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SURFACE WATER SUPPLY *of the* UNITED STATES 1935

Part 11

PACIFIC SLOPE BASINS IN CALIFORNIA

NATHAN C. GROVER, Chief Hydraulic Engineer

H. D. McGLASHAN and G. H. CANFIELD

District Engineers

Prepared in cooperation with

THE STATES OF CALIFORNIA AND OREGON

PROPERTY and is not to

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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 inchee" 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.

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

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.

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 list 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., 801 National Loan & Exchange Bank Building.
Ocala, Fla., Post Office Building.
Montgomery, Ala., Post Office Building.
Chattanooga, Tenn., 217 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.2	....do.....	1884 to Dec. 31, 1892.
14th A, pt.2	Monthly discharge (long-time records, 1871-93)...	1888 to Dec. 31, 1893.
B 131.....	Descriptions, measurements, gage heights, and ratings	1893-94
16th A, pt.2	Descriptive information only.....	
B 140.....	Descriptions, measurements, gage heights, ratings, and monthly discharge (also many data covering earlier years).	1895.
W 11.....	Gage heights (also gage heights for earlier years).	1896.
18th A, pt.4	Descriptions, measurements, ratings, and monthly discharge (also similar data for some earlier years).	1895-96.
W 15.....	Descriptions, measurements, and gage heights, eastern United States, eastern Mississippi River, and Missouri River above junction with Kansas River.	1897.
W 16.....	Descriptions, measurements, and gage heights, western Mississippi River below junction of Missouri and Platte Rivers, and western United States.	1897.
19th A, pt.4	Descriptions, measurements, ratings, and monthly discharge (also some long-time records).	1897.
W 27.....	Measurements, ratings, and gage heights, eastern United States, eastern Mississippi River, and Missouri River.	1898.
W 28.....	Measurements, ratings, and gage heights, Arkansas River and western United States.	1898.
20th A, pt.4	Monthly discharge (also for many earlier years).	1898.
W 35 to 39..	Descriptions, measurements, gage heights, and ratings.	1899.
21st A, pt.4	Monthly discharge.....	1899.

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 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 14.

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. 11)

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 93,85	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 22nd 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 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

River	Location	Period
Alhambra Wash	Garvey Ave., Wilmar, Calif.	1929-35
Benedict Canyon Creek	Wesley Street near Palms, Calif.	1934-35
Santa Anita Creek	¼ mile below flood-control dam near Arcadia, Calif.	1927-35
Tujunga Wash	Stonehurst Ave., near San Fernando, Calif.	1932-35
Tujunga Wash (east and west channels)	Magnolia Blvd., North Hollywood, Calif.	1930-35
Centinela Creek	Centinela Blvd., near Culver City, Calif.	1932-35
Compton Creek	Rosecrans Ave., Compton, Calif.	1928-35
Coyote Creek	Below Pacific Electric Railway bridge near Artesia, Calif.	1928-35
Dume (Zuma) Creek	Roosevelt Highway bridge, Calif.	1930-35
Eaton Wash	Sunset Ave., near El Monte, Calif.	1930-35
Little Santa Anita Creek	¼ mile below flood-control dam at Sierra Madre, Calif.	1929-35
Live Oak Creek	⅛ mile below flood-control dam near La Verne, Calif.	1928-35
Los Angeles River	Van Nuys Blvd., near Van Nuys, Calif.	1928-35
....do	Vineland Ave., near Universal City, Calif.	1930-35
Monrovia Creek	Above junction with Sawpit Creek, near Monrovia, Calif.	1927-35
Monrovia Storm Drain	Peck Road, Monrovia, Calif.	1932-35
Nigger Slough	Wilmington Ave., near Wilmington, Calif.	1928-35
Pacoima Wash	Parthenia St., near Van Nuys, Calif.	1928-35
Puddingstone Creek	Below flood-control Dam near San Dimas, Calif.	1927-35
Rio Hondo	Lower Azusa Road, 1½ miles north of El Monte, Calif.	1932-35
Rubio Wash	Broadway Bridge, near San Gabriel, Calif.	1928-35
San Antonio Creek	Mouth of canyon near Claremont, Calif.	1931-35
Devils Canyon Creek	3 miles above San Gabriel Dam No. 2, Calif.	1933-35
San Gabriel River	Edison intake, near Azusa, Calif.	1927-35
....do	Foothill Blvd., near Azusa, Calif.	1932-35
....do	El Monte Blvd., near El Monte, Calif.	1932-35
....do	Spring St., near Long Beach, Calif.	1928-35
Santa Anita Wash	Below Arrow Highway near Arcadia, Calif.	1932-35
Sawpit Wash	Above Arrow Highway near Monrovia, Calif.	1932-35
Sepulveda Creek	Charnock Road, Albright City, Calif.	1932-35
Sycamore Storm Drain	Adams Square, Glendale, Calif.	1927-35
Verdugo Storm Drain	Glen Oaks Blvd., Glendale, Calif.	1928-35
Walnut Wash	Covina Blvd., at Baldwin Park	1928-35
Montebello Storm Drain	Mines Ave., Montebello, Calif.	1932-35
West Fork of San Gabriel River	⅛ mile below flood-control dam no. 2, Calif.	1933-35
San Gabriel River	Telegraph Road, near Santa Fe Springs, Calif.	1934-35

Note.- Gaging stations given in the above table were operated by the Los Angeles Flood Control District. The records are available at the office of the Los Angeles Flood Control District in Los Angeles or in its published reports.

COOPERATION

In California the work was done under cooperative agreement with the State Department of Public Works, Earl Lee Kelly, director, and Edward Hyatt, State engineer. Work was also done under cooperative agreements with the East Bay Municipal Utility District; Stanford University; Santa Clara Valley Water Conservation District; San Bernardino, Riverside, Orange, Los Angeles, and Ventura Counties; and the city of Santa Barbara. In Oregon the work was done under cooperative agreement with the State of Oregon, Chas. E. Stricklin, State engineer.

The entire expense of the stream-flow investigations in the Tuolumne River Basin for the Hetch Hetchy project and Alameda Creek near Niles was paid by the city and county of San Francisco.

Part of the expense of maintaining the station on Salinas River near Santa Margarita was paid by the city of San Luis Obispo.

Assistance in collecting records was also rendered by the United States Forest Service, the United States Bureau of Reclamation, National Park Service, and the following organizations: In California, by the Southern California Edison Co., Ltd., San Joaquin Light & Power Corporation, Pacific Gas & Electric Co., city of Sacramento, Merced Irrigation District, Emma Rose & Hobart Estate Co., Thermalito and Table Mountain Irrigation Districts, all permittees and licensees of the Federal Power Commission; in Oregon by The California Oregon Power Co.

DIVISION OF WORK

The data for stations in California (except the stations on Fall Creek and Klamath River near Copco) were collected and prepared for publication under the supervision of H. D. McGlashan, district engineer; in Oregon (also stations in California on Fall Creek and Klamath River near Copco) under the supervision of G. H. Canfield, district engineer, the work in Oregon being done in collaboration with Charles E. Stricklin, State engineer.

SAN DIEGO RIVER BASIN

San Diego River near Santee, Calif.

Location.- Water-stage recorder, lat. 32°49'20", long. 17°3'25", in Ex Mission San Diego grant, in Mission Gorge, 6 miles west of Santee, San Diego County. Altitude, about 205 feet.

Drainage area.- 380 square miles.

Records available.- May 1912 to September 1935 (incomplete).

Average discharge.- 20 years (1912-15, 1917-19, 1920-35), 38.6 second-feet.

Extremes.- Maximum discharge during year, 1,090 second-feet Feb. 6 (gage height, 3.12 feet); no flow at times during summer.
1912-35: Maximum discharge, 70,200 second-feet Jan. 27, 1916 (gage height, 25.1 feet); practically no flow for several months each year except for a small amount of ground water being forced to surface.

Remarks.- Records fair. Diversions 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	0	0	3.3	2.1	1.4	0.4			
2			0	0	0	5.5	2.1	1.3	.3			
3			0	0	0	34	2.1	1.2	.2			
4			0	0	.8	7	2.4	1.0	.2			
5			0	0	98	5.5	1.8	.9	*.2			
6			0	0	439	5	1.5	.9	*.2			
7			0	0	*311	8.5	1.8	.9	*.2			
8			0	0	*151	24	4.2	.9	*.2			
9			0	0	*187	16	3.3	.8	*.2			
10			0	0	94	9	2.1	.8	*.2			
11			.1	0	56	7	1.8	.8	*.2			
12			.6	0	31	6.5	1.8	.9	*.2			
13			.9	0	18	6.5	1.8	.9	*.2			
14			1.0	0	17	5	1.8	.9	*.2			
15			.6	*1.5	13	4.2	1.5	1.1	*.1			
16			.3	.6	10	3.9	1.5	1.0	*.1			
17			.2	.4	9	3.6	1.4	.9	*.1			
18			*.1	.4	8	3.3	1.3	.9	*.1			
19			*.1	.7	6	3.0	1.3	.6	*.1			
20			0	.2	5.5	2.7	1.3	.6	*.1			
21			0	.2	5.5	2.7	1.3	.4	*.1			
22			0	.2	5	*2.6	1.3	.4	*.1			
23			0	*.1	5	*2.5	1.3	.4	*.1			
24			0	*.1	4.2	*2.4	1.3	.4	*.1			
25			0	0	3.9	*2.3	1.2	.4	*.1			
26			0	0	3.6	*2.2	1.2	.3	*.1			
27			0	0	3.3	*2.1	1.3	.3	*.1			
28			0	0	3.3	*2.0	1.2	.4	*.1			
29			0	0	-	*1.9	1.3	.4	*.1			
30			0	0	-	2.1	2.4	.4	*.1			
31			0	0	-	1.8	-	.4	-			

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	3.9	1.0	0	.13	7.7
Calendar year 1934	23.91	1.5	0	.066	47.4
January	4.4	1.5	0	.14	8.7
February	1,488.1	439	0	53.1	2,950
March	188.1	34	1.8	6.07	373
April	52.7	4.2	1.2	1.76	105
May	22.9	1.4	.3	.74	45
June	4.7	.4	.1	.16	9.3
July	1.55	-	-	*.05	3.1
August	.62	-	-	*.02	1.2
September	0	0	0	0	0
Water year 1934-35	1,766.07	439	0	4.84	3,500

*Estimated.

Note.- No flow during months left blank.

73530 O—36——2

San Dieguito River at Lake Hodges, Calif.

Location.- Lat. 33°2'55", long. 117°7'25", in NW¼ sec. 18, T. 13 S., R. 2 W., at Lake Hodges Dam, 5½ miles southwest of Escondido.

Drainage area.- 299 square miles.

Records available.- January 1916 to September 1935.

Remarks.- Irrigation diversions in San Pasqual Valley above Lake Hodges, also pumping from wells along river. Lake Hodges Dam completed in 1919, and gaging station formerly maintained at dam site was abandoned. Discharge in second-feet and run-off in acre-feet converted by U. S. Geological Survey from records in millions of gallons as computed by city of San Diego from records of storage, draft, leakage and spill, and evaporation.

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

Month	Mean	Run-off in acre-feet
October	4.2	258
November	4.6	276
December	12.5	768
Calendar year 1934	3.26	2,360
January	11.1	680
February	54.7	3,040
March	39.1	2,400
April	16.3	970
May	2.10	129
June	0	0
July	0	0
August	0	0
September	0	0
Water year 1934-35	11.8	8,520

SAN LUIS REY RIVER BASIN

San Luis Rey River at Lake Henshaw, near Mesa Grande, Calif.

Location.- Lat. 33°14'15", long. 116°45'50", in NW¼ sec. 10, T. 11 S., R. 2 E., at Henshaw Dam, 5 miles north of Mesa Grande.

Drainage area.- 209 square miles at gaging station 1 mile below dam.

Records available.- October 1911 to September 1935.

Average discharge.- 24 years, 41.6 second-feet.

Remarks.- No diversions above station. Lake Henshaw Reservoir was completed in 1923 and gaging station formerly maintained 1 mile below dam was abandoned. Discharge in second-feet computed by U. S. Geological Survey from records furnished by San Diego County Water Co.

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

Month	Second-foot days	Mean	Run-off in acre-feet
October	136.1	4.45	274
November	53.9	1.80	107
December	277.3	8.95	550
Calendar year 1934	1,923.42	5.27	3,815
January	596.4	19.2	1,183
February	1,015	36.2	2,013
March	952.9	30.7	1,890
April	754.7	25.2	1,497
May	181.0	5.84	359
June	6.55	2.18	13
July	188.6	6.08	374
August	229.9	7.42	456
September	31.26	1.04	62
Water year 1934-35	4,425.61	12.1	8,778

Note.- Precipitation on reservoir surface is included in the computation of discharge.

San Luis Rey River near Bonsall, Calif.

Location.- Water-stage recorder, lat. 33°15'5", long. 117°14'55", in NE¼ sec. 1, T. 11 S., R. 4 W., three-quarters of a mile below highway bridge on Fallbrook-Escondido Road 3 miles southwest of Bonsall. Altitude, about 120 feet.

Drainage area.- 514 square miles.

Records available.- April 1912 to September 1918, December 1929 to September 1935.

Extremes.- Maximum discharge during year, 388 second-feet Dec. 14 (gage height, 3.05 feet); no flow part of year.
1912-18, 1929-35: Maximum discharge, 9,000 second-feet Feb. 11, 1915; maximum stage for 1916 not known, as all equipment was destroyed by flood of January 1916; no flow part of each year.

Remarks.- Records good. Storage at Lake Henshaw and numerous diversions 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	0	0	10	21	23	15	13	2.2	*0.1		
2	0	0	0	10	22	45	14	14	1.8	*.1		
3	0	0	0	10	23	45	14	14	1.8	*.1		
4	0	0	0	10	30	33	14	11	1.8	*.1		
5	0	0	0	23	75	30	13	8.5	1.8	*.1		
6	0	0	0	20	134	26	12	7.5	1.4	0		
7	0	0	0	18	212	35	13	6.5	1.4	0		
8	0	0	0	15	149	49	23	6.5	1.4	0		
9	0	0	0	19	96	38	36	6.5	1.4	0		
10	0	0	0	24	80	34	30	6.5	1.4	0		
11	0	0	0	36	69	33	24	6.5	1.1	0		
12	0	0	0	38	64	32	23	6.5	1.1	0		
13	0	0	14	34	57	33	21	6	1.1	0		
14	0	0	88	34	55	32	20	6	.7	0		
15	0	0	51	63	52	31	17	6	.7	0		
16	0	.6	21	45	45	30	15	6.5	.7	0		
17	0	0	14	38	42	29	15	6.5	.7	0		
18	*5	0	11	36	38	28	15	6	.7	0		
19	0	1.6	9	56	36	27	14	6	.7	0		
20	0	0	8.5	37	32	25	14	5.5	.7	0		
21	0	0	8.5	33	31	24	12	4.2	.7	0		
22	0	0	9	32	30	23	11	3.6	.7	0		
23	0	0	9	30	29	22	10	3.6	.7	0		
24	0	0	9	29	28	26	9	3.6	.4	0		
25	0	0	9	26	26	22	9	3.6	.4	0		
26	0	0	9	24	24	21	9	3.2	.4	0		
27	0	0	9	23	23	20	9	3.2	*.3	0		
28	0	0	14	22	23	18	9	2.9	*.3	0		
29	0	0	13	21	-	18	11	2.5	*.2	0		
30	0	0	11	20	-	17	12	2.5	*.2	0		
31	0	-	11	20	-	17	-	2.2	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5	5	0	0.16	9.9
November	2.2	1.6	0	.07	4.4
December	328	88	0	10.6	651
Calendar year 1934	1,593.6	88	0	4.37	3,160
January	855	63	10	27.6	1,700
February	1,546	212	21	55.2	3,070
March	886	49	17	28.6	1,760
April	463	36	9	15.4	918
May	190.6	14	2.2	6.15	378
June	28.9	2.2	.2	.96	57
July	.5	.1	0	.02	1.0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	4,305.2	212	0	11.8	8,550

*Estimated.

Note.- No flow during months left blank.

San Luis Rey River at Oceanside, Calif.

Location.- Water-stage recorder, lat. 33°12'40", long. 117°22'40", in NW¼ sec. 23, T. 11 S., R. 5 W., half a mile (revised) above State highway bridge at Oceanside. Altitude, about 20 feet.

Records available.- April 1912 to September 1914, January 1916, December 1929 to September 1935.

Extremes.- Maximum discharge during year, 325 second-feet Feb. 7 (gage height, 5.36 feet); no flow part of year.
1912-14, 1916, 1929-35: Maximum discharge, 95,600 second-feet Jan. 12, 1916; no flow for several months.

Remarks.- Records good. Storage at Lake Henshaw and numerous diversions 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	*0.1	*16	12	*4.3				
2				0	*.1	*42	11	*4.5				
3				0	*.1	*40	10	*7				
4				0	1.2	34	11	*4.0				
5				0	35	29	10	*3.0				
6				0	108	26	9.5	*2.5				
7				0	259	31	10	2.2				
8				0	186	51	14	1.6				
9				0	121	46	13	1.2				
10				0	97	36	22	1.0				
11				0	84	30	20	.6				
12				0	*65	27	20	.7				
13				0	*58	26	19	1.0				
14				0	*52	26	17	.3				
15				0	49	23	15	.1				
16				14	44	22	13	0				
17				1.9	39	20	12	0				
18				.1	35	19	*11	0				
19				24	34	17	*10	0				
20				11	*32	17	*9	0				
21				6.5	*29	17	*8	0				
22				3.7	*26	*17	7	0				
23				2.8	23	18	5	0				
24				2.4	20	16	4.6	0				
25				1.7	17	16	3.9	0				
26				.8	16	14	3.9	0				
27				.3	16	14	3.5	0				
28				.3	*16	*14	*3.5	0				
29				.3	-	13	*3.6	0				
30				.4	-	13	*3.8	0				
31				.1	-	13	-	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	0	0	0	0	0
January	70.3	24	0	2.27	139
February	1,462.5	259	.1	52.2	2,900
March	743	51	13	24.0	1,470
April	315.3	22	3.5	1.05	625
May	34.0	7	0	1.10	67
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	2,625.1	259	0	7.19	5,200

*Estimated.

Note.- No flow during months left blank.

Temecula Creek at Nigger Canyon, near Temecula, Calif.

Location.- Water-stage recorder, lat. 33°29'40", long. 116°59', in Pauba grant, at upper end of Nigger Canyon, a quarter of a mile below junction with Arroyo Seco and 10 miles east of Temecula, Riverside County. Altitude, about 1,350 feet.

Drainage area.- 319 square miles.

Records available.- January 1923 to September 1935.

Average discharge.- 12 years, 11.7 second-feet.

Extremes.- Maximum discharge during year, 436 second-feet Aug. 23 (gage height, 3.20 feet); minimum, 1.0 second-foot Aug. 22 (gage height, 0.72 foot).
1923-35: Maximum discharge, 17,100 second-feet Feb. 16, 1927 (gage height, 19.5 feet); minimum, 0.6 second-foot Aug. 17, 1934.

Remarks.- Records good. No diversions above station. Results of several discharge measurements furnished by Santa Margarita ranch.

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	1.4	1.7	2.0	2.6	6	6.5	7.5	8.5	3.2	2.3	1.4	2.3
2	1.4	1.7	2.0	2.6	6	12	6.5	7.5	3.0	2.3	1.5	2.1
3	1.4	1.7	2.1	2.6	6	18	6.5	7	3.0	2.3	1.5	2.0
4	1.5	1.8	2.0	2.6	7.5	12	6.5	6	2.8	2.1	1.5	1.8
5	1.5	1.8	2.1	5.5	18	10	6	5.5	2.8	2.1	1.5	1.7
6	1.8	1.8	2.1	12	40	9.5	5.5	5.5	2.6	2.1	1.5	1.7
7	1.5	1.8	2.1	5.5	69	12	5.5	4.9	2.6	2.1	1.4	1.7
8	1.5	1.8	2.1	4.2	43	39	24	4.4	2.5	2.1	1.4	1.7
9	1.5	1.8	2.1	3.8	29	24	35	4.4	2.3	2.1	1.5	1.7
10	1.4	1.8	2.1	5	24	19	21	4.4	2.3	2.0	1.5	1.7
11	1.4	1.8	2.1	14	20	16	17	4.4	2.3	2.0	1.4	1.7
12	1.4	1.8	2.8	19	17	14	14	4.4	2.3	2.0	1.4	1.6
13	1.4	2.0	3.6	12	14	14	12	4.4	2.3	1.8	1.4	1.6
14	1.4	1.8	6.5	10	13	14	12	4.6	2.3	1.8	1.2	1.6
15	1.5	1.8	22	32	12	12	10	4.6	2.5	1.7	1.2	1.6
16	1.5	2.0	4.2	29	12	12	9	5	2.5	1.7	1.2	1.6
17	1.7	2.0	3.2	18	11	13	9	4.9	2.5	1.5	1.2	1.6
18	4.2	2.0	3.0	15	9.5	12	8	4.2	2.5	1.4	1.2	1.6
19	2.3	2.8	2.8	38	9	14	7.5	4.0	2.5	1.4	1.2	1.5
20	2.1	2.1	2.8	20	8.5	12	6.5	3.8	2.5	1.4	1.2	8
21	2.0	2.0	2.8	16	8	12	6	3.4	2.5	1.4	1.2	5.5
22	1.8	2.0	2.8	12	7.5	12	6	3.4	2.5	1.4	1.1	3.8
23	1.7	2.0	2.8	11	7.5	11	6	3.2	2.5	1.4	33	3.2
24	1.7	2.0	2.8	10	7.5	13	5.5	3.2	2.5	1.4	27	2.5
25	1.5	2.0	2.8	9	7.5	12	5	3.0	2.5	1.4	9	2.5
26	1.4	2.0	2.6	9	7.5	10	5	3.0	2.5	1.4	4.4	2.3
27	1.4	2.0	2.5	8	7.5	10	4.9	3.0	2.5	1.4	3.8	2.1
28	1.4	2.0	2.5	7.5	7	8.5	5	3.2	2.3	1.4	3.6	2.1
29	1.4	2.0	2.5	6.5	-	8.5	5.5	3.4	2.3	1.4	3.4	2.5
30	1.5	2.0	2.5	6	-	8.5	9.5	3.4	2.3	1.4	2.8	2.5
31	1.5	-	2.5	6	-	8	-	3.4	-	1.4	2.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	51.1	4.2	1.4	1.65	101
November	57.8	2.8	1.7	1.93	115
December	102.8	22	2.0	3.32	204
Calendar year 1934	921.6	22	.8	2.52	1,830
January	354.4	38	2.6	11.4	703
February	434.5	69	6	15.5	862
March	408.5	39	6.5	13.2	810
April	287.4	35	4.9	9.58	570
May	138.0	8.5	3.0	4.45	274
June	75.7	3.2	2.3	2.52	150
July	53.6	2.3	1.4	1.73	106
August	119.1	33	1.1	3.84	236
September	89 1	8	1.5	2.30	137
Water year 1934-35	2,152.0	69	1.1	5.90	4,270

Temecula Creek at Railroad Canyon, near Temecula, Calif.

Location.- Water-stage recorder, lat. 33°28'25", long. 117°8'35", in Temecula grant, an eighth of a mile below junction with Murrieta Creek at upper end of Temecula or Railroad Canyon and 1½ miles south of Temecula, Riverside County. Altitude, about 950 feet.

Drainage area.- 592 square miles.

Records available.- January 1923 to September 1935.

Average discharge.- 12 years, 19.1 second-feet.

Extremes.- Maximum discharge during year, 296 second-feet Feb. 6 (gage height, 2.22 feet); minimum, 2.6 second-feet Aug. 22.
1923-35: Maximum discharge, about 27,600 second-feet Feb. 16, 1927 (gage height, 15.00 feet); minimum, 0.4 second-foot July 16, 1925.

Remarks.- Records good. Pumping diversions regulate flow to a considerable extent during irrigation season. Gage-height record and results of discharge measurements furnished by Santa Margarita ranch.

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	3.6	5.5	6.5	8	9	9.5	9	e	5	4.5	3.1	4.4
2	3.6	5.5	6	8	9	21	8.5	e	5	4.5	3.2	4.1
3	3.7	5.5	6	7.5	9	94	e.5	8	4.e	4.5	3.0	4.0
4	3.8	5.5	6	7	12	22	8.5	7	4.7	4.4	3.0	3.8
5	3.8	5.5	6.5	15	36	18	8.5	7	4.7	4.4	3.0	3.8
6	4.0	5.5	6.5	13	137	16	8.5	6.5	4.7	4.1	3.0	3.8
7	4.2	6	6	10	115	32	8.5	6.5	4.7	3.8	3.0	3.7
8	4.2	6	6.5	9.5	58	73	14	6.5	4.5	3.7	3.0	3.6
9	4.0	6	7	9.5	53	31	23	6.5	4.4	4.0	2.9	3.7
10	3.8	6	6.5	10	22	21	13	6.5	4.4	4.1	3.0	3.7
11	3.7	6	6.5	15	17	15	11	6.5	4.4	4.2	3.0	3.6
12	3.6	6	9	17	14	13	9.5	6.5	4.2	4.1	3.0	3.6
13	4.0	6	35	13	13	13	9	6.5	4.1	4.2	2.9	3.6
14	4.0	6	138	12	13	12	8.5	7	4.0	3.7	3.0	3.5
15	4.2	6	26	66	12	12	8	7	4.1	3.4	3.4	3.4
16	4.0	10	14	29	10	11	8	6.5	1.1	3.3	3.6	3.3
17	4.7	7	12	16	11	10	7.5	6.5	4.2	3.3	3.5	3.5
18	16	6.5	9.5	13	10	10	7	6	4.4	3.4	3.4	3.6
19	7.5	9	9	46	10	10	7	6	4.4	3.5	3.3	4.0
20	6	7.5	9.5	21	10	10	7	5.5	4.1	3.6	3.1	4.1
21	6	6.5	9.5	14	10	10	7	5.5	4.1	3.5	2.9	4.1
22	5.5	6	9	11	10	10	7	5.5	4.1	3.4	2.7	4.1
23	5	6	8.5	11	10	9.5	7	5.5	4.1	3.3	2.7	4.1
24	5	6	8.5	10	10	12	7	5.5	4.1	3.2	5.5	4.2
25	5	6	8.5	10	9.5	10	6.5	5.5	4.1	3.3	9.0	4.2
26	5	6	8.5	10	9.5	9.5	7	5.5	4.0	3.1	6.5	4.2
27	5.5	6	8.5	9.5	9.5	8.5	8	5.5	4.0	3.1	4.7	4.2
28	5.5	6	11	9.5	9.5	9	8	5.5	4.0	3.0	4.5	4.4
29	5.5	6	10	10	-	9	8	5.5	4.1	2.9	4.5	4.4
30	6	6	9	9.5	-	9	9.5	5.5	4.2	2.9	4.4	4.5
31	5.5	-	8.5	9.5	-	9	-	5.5	-	2.9	4.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	154.9	16	3.6	5.00	307
November	187.5	10	5.5	6.25	372
December	431.5	138	6	13.9	858
Calendar year 1934	2,418.5	138	2.6	6.63	4,800
January	459.5	66	7	14.8	911
February	658.0	137	9	23.5	1,310
March	559.0	94	8.5	18.0	1,110
April	267.5	23	6.5	8.92	531
May	195.0	8	5.5	6.29	387
June	129.7	5	4.0	4.32	257
July	113.3	4.5	2.9	3.65	225
August	114.3	9	2.7	3.69	227
September	117.2	4.5	3.3	3.91	232
Water year 1934-35	3,387.4	138	2.7	9.28	6,720

Santa Margarita River near Fall Brook, Calif.

Location.- Water-stage recorder, lat. 33°24'5", long. 117°15'10", in sec. 12, T. 9 S., R. 4 W., 2 miles north of Fall Brook. Altitude, about 350 feet.

Drainage area.- 645 square miles.

Records available.- November 1924 to September 1935.

Average discharge.- 10 years (1925-35), 24.6 second-feet.

Extremes.- Maximum discharge during year, 270 second-feet Feb. 7 (gage height, 4.28 feet); minimum, 1.1 second-feet Aug. 13.
1924-35: Maximum discharge, about 33,100 second-feet Feb. 16, 1927 (gage height, 15.6 feet); minimum, 0.1 second-foot Aug. 30, 1925, Sept. 4, 1926, Sept. 6, 1928, July 22-26, Aug. 4, 5, 8-14, 1929.

Remarks.- Records good except those for estimated periods June 6-13, 15-17, 23, June 27 to July 4, July 6, 7, 18, 19, 30, 31, Aug. 9 to Sept. 30, which are fair. Considerable diversions from streams in Temecula Valley and pumping above station. Results of discharge measurements furnished by Santa Margarita ranch.

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	5.5	7	e.5	10	12	12	10	5.5	3.7	1.3	3.8
2	2.7	5.5	7	8.5	10	15	12	8.5	5	3.6	1.5	3.6
3	2.9	5.5	7	8.5	10	113	12	9	4.6	3.5	1.5	3.4
4	3.2	5.5	6.5	8.5	12	42	12	8.5	4.2	3.4	1.5	3.2
5	3.3	5.5	6.5	13	33	28	11	8	4.2	3.4	1.5	3.0
6	3.4	5	7	16	101	24	11	7	4.5	3.3	1.6	2.9
7	3.9	5	7	13	174	32	12	7	4.8	3.1	1.6	2.9
8	3.6	5	7	11	75	123	28	7	4.6	3.0	1.6	2.8
9	3.6	5.5	7	12	68	45	31	7	4.4	2.9	1.5	2.8
10	3.4	5.5	7	14	36	33	20	7	4.2	2.9	1.4	2.7
11	3.4	5.5	7	15	29	27	14	7	4.1	2.7	1.3	2.7
12	3.4	5.5	7.5	22	25	22	12	7	4.0	2.9	1.2	2.6
13	3.6	5.5	36	17	20	20	12	7	4.0	2.9	1.1	2.6
14	3.8	5.5	154	15	18	19	11	7	3.9	2.6	1.4	2.5
15	4.1	5.5	58	27	17	18	10	7	3.9	2.5	1.7	2.5
16	3.8	7	25	68	15	17	9.5	7	4.0	2.2	1.8	2.4
17	4.4	e.5	17	28	14	16	9.5	7	4.1	2.1	1.9	2.4
18	17	7.5	13	20	14	15	e.5	7	4.2	2.2	2.0	2.4
19	12	9	11	38	13	14	8	6.5	4.1	2.2	2.2	2.4
20	7.5	10	11	32	13	13	8	6	4.1	2.3	1.8	2.4
21	7	8	11	20	12	13	8	5.5	3.8	2.3	1.6	2.6
22	5.5	7.5	11	14	12	13	8	6	3.6	2.3	1.5	2.9
23	5.5	7.5	10	15	12	13	8	6	3.5	2.2	1.5	3.2
24	5.5	7	9.5	14	12	15	8	6	3.4	2.1	4.0	3.0
25	5	7	9.5	13	11	15	7	6	3.4	2.1	8	3.2
26	4.8	7	9	13	11	13	7	5.5	3.6	2.0	7.5	3.4
27	4.8	7	9	12	12	13	8	5.5	3.4	1.8	4.6	3.5
28	4.8	7	11	12	12	12	8.5	6	3.4	1.6	4.4	3.5
29	5	7	12	11	-	12	8.5	5.5	3.5	1.5	4.2	3.6
30	5.5	7	10	11	-	12	10	6	3.6	1.4	4.0	3.7
31	5.5	-	9	10	-	12	-	5.5	-	1.4	3.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	154.6	17	2.7	4.99	307
November	195.0	10	5	6.50	387
December	519.5	154	6.5	16.8	1,030
Calendar year 1934	2,652.6	154	1.4	7.27	5,260
January	540.0	68	8.5	17.4	1,070
February	801	174	11	28.6	1,590
March	791	123	12	25.5	1,570
April	344.5	31	7	11.5	683
May	211.0	10	5.5	6.81	419
June	121.6	5.5	3.4	4.05	241
July	78.1	3.7	1.4	2.52	155
August	76.6	8	1.1	2.47	152
September	86.6	3.8	2.4	2.95	176
Water year 1934-35	3,921.5	174	1.1	10.7	7,780

Santa Margarita River at Ysidora, Calif.

Location.- Water-stage recorder, lat. 33°14'40", long. 117°22'50", in Santa Margarita y Las Flores grant, about 2 miles above mouth and 1 mile below Ysidora, San Diego County. Altitude, about 15 feet.

Drainage area.- 740 square miles.

Records available.- February 1923 to September 1929, October 1930 to September 1935.

Extremes.- Maximum discharge during year, 445 second-feet Feb. 7 (gage height, 2.65 feet); minimum, 0.4 second-foot Oct. 3.
1923-29, 1930-35: Maximum discharge, about 33,800 second-feet Feb. 16, 1927; no flow part of most years.

Remarks.- Records good. Considerable water diverted above for irrigation by Pauba and Santa Margarita ranches. See record for O'Neill Ditch, which diverts water above station. Gage-height record and results of discharge measurements furnished by Santa Margarita ranch.

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	0.5	1.3	1.4	10	16	22	23	6.5	8.5	3.0	3.0	1.8
2	.5	1.4	1.3	10	15	36	22	6	9	2.7	3.0	1.7
3	.5	1.3	1.2	9.5	14	207	21	5.5	8.5	2.6	2.9	1.7
4	.5	1.3	1.2	9.5	18	150	22	5	8.5	2.5	3.0	1.9
5	.5	1.1	1.2	19	65	91	22	4.5	7.5	2.5	3.1	1.8
6	.6	1.0	1.2	18	118	69	19	4.3	7	2.4	3.0	1.7
7	.6	1.0	1.4	17	325	66	14	4.1	5.5	2.3	3.0	1.7
8	.7	1.1	1.7	14	242	212	19	4.3	5.5	2.1	2.7	1.7
9	.7	1.2	2.0	23	163	166	76	4.8	5.5	2.2	2.4	1.7
10	.7	1.3	1.6	32	130	114	57	4.8	5.5	2.2	2.3	1.8
11	.7	1.3	1.6	34	93	88	48	4.8	5.5	2.3	2.2	2.0
12	.8	1.3	2.0	32	77	71	36	4.8	5	2.3	2.1	2.1
13	.8	1.3	10	27	63	62	31	4.8	4.5	2.3	2.0	2.3
14	.8	1.3	92	21	59	55	28	4.5	4.5	2.2	2.0	2.6
15	.8	1.3	117	52	54	51	26	4.3	4.5	2.2	2.1	2.7
16	.8	2.0	49	93	46	45	24	4.3	4.8	2.1	2.1	2.9
17	.8	2.1	31	69	41	43	22	4.1	4.5	2.0	2.1	2.9
18	.9	2.4	22	45	39	41	22	4.1	4.5	2.0	2.2	2.9
19	1.2	4.5	19	64	36	38	13	4.3	4.3	2.4	2.2	2.9
20	1.2	2.7	16	76	33	36	10	4.3	4.1	2.5	2.0	2.7
21	1.0	1.9	14	53	30	35	8.5	4.5	3.7	2.9	2.0	2.6
22	.9	1.5	12	39	28	33	8	4.3	3.7	3.1	2.2	2.6
23	.9	1.6	12	33	27	33	7.5	4.5	3.9	3.3	2.1	2.5
24	.9	1.6	11	29	24	38	6.5	4.8	3.9	3.5	2.0	2.5
25	.9	1.6	10	26	24	37	6	4.8	3.3	3.7	2.1	2.6
26	.9	1.5	10	24	22	33	5.5	4.8	3.2	3.5	2.1	2.6
27	.9	1.4	10	23	22	29	5.5	4.8	3.0	3.2	2.0	2.7
28	1.0	1.4	12	22	22	27	5.5	5.5	3.2	3.5	1.8	2.5
29	1.0	1.4	12	21	-	25	6	5.5	3.0	3.5	1.8	2.4
30	1.2	1.4	12	19	-	25	7	6	3.2	3.3	1.8	2.4
31	1.3	-	11	18	-	24	-	8	-	3.2	1.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	25.5	1.3	0.5	0.82	51
November	47.5	4.5	1.0	1.58	94
December	499.8	117	1.2	16.1	991
Calendar year 1934	2,831.8	785	.2	7.76	5,610
January	982.0	93	9.5	31.7	1,950
February	1,846	325	14	65.9	3,660
March	2,002	212	22	64.6	3,970
April	621.0	76	5.5	20.7	1,230
May	151.6	8	4.1	4.89	301
June	151.3	9	3.0	5.04	300
July	83.5	3.7	2.0	2.69	166
August	71.2	3.1	1.8	2.30	141
September	68.9	2.9	1.7	2.30	137
Water year 1934-35	6,550.3	325	.5	17.9	12,990

Murrieta Creek at Temecula, Calif.

Location.- Water-stage recorder, lat. 33°29', long. 117°8'50", on Temecula grant, 100 feet above junction with Temecula Creek and 1 mile south of Temecula, Riverside County. Altitude, about 1,050 feet.

Drainage area.- 220 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 228 second-feet Dec. 14 (gage height, 2.97 feet); minimum, 0.2 second-foot at various times.
1930-35: Maximum discharge, 7,500 second-feet Feb. 16, 1932 (gage height, 7.76 feet); minimum, 0.2 second-foot during summers of 1931, 1933-35.

Remarks.- Records good. Gage-height record and several measurements furnished by Santa Margarita ranch.

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	0.6	1.0	1.1	1.1	0.8	0.3	0.3	0.2	*0.2
2	.2	.3	.4	.8	.9	2.8	1.1	.8	.3	.3	.2	*.2
3	.3	*.3	.4	.7	.9	62	1.0	.9	.3	.3	.2	.2
4	.3	*.3	.4	.8	1.2	13	.9	.9	.3	.3	.2	*.2
5	.3	*.3	.4	1.7	12	7.2	.9	.7	*.3	.3	.2	*.2
6	.3	.3	.4	2.1	106	4.3	.9	.6	*.3	.3	.2	.2
7	.3	.3	.4	1.3	84	10	.9	.6	.3	.3	.2	*.2
8	.3	.3	.4	1.1	47	55	3.5	.5	.3	.3	.2	*.2
9	.2	.3	.5	1.1	43	15	15	.5	.3	.3	.2	.2
10	.2	.3	.5	1.2	13	9	3.6	.5	.3	*.3	.2	*.2
11	.2	.3	.5	2.5	9	4.2	2.0	.5	.2	.3	.2	.2
12	.2	.3	.6	4.2	3.3	3.6	1.5	.5	.2	.3	.2	*.2
13	.3	.3	25	3.5	2.8	3.2	1.2	.5	.3	.3	.2	.2
14	.3	.3	125	2.2	2.4	2.8	1.1	.5	.3	.2	.2	.2
15	.3	.3	22	43	2.1	2.2	1.0	.5	*.3	.2	.2	.2
16	.2	.6	5	17	1.9	1.9	1.0	.5	*.3	.2	.2	.2
17	.3	.7	1.7	4.5	1.7	1.6	.9	.6	*.3	.2	.2	.2
18	2.1	.6	1.3	2.5	1.6	1.4	.9	.5	.3	.2	.2	*.2
19	.6	.8	1.1	25	1.6	1.4	.8	.5	.3	*.2	.2	.2
20	.5	.8	.9	6.5	1.4	1.4	.8	.5	.3	*.2	.2	.3
21	.3	.6	.9	3.3	1.3	1.3	.7	.5	.3	*.2	.2	*.3
22	.3	.5	.9	2.4	1.3	1.3	.7	.5	*.3	*.2	.2	*.2
23	.3	.5	.8	2.0	1.3	1.3	.7	.5	*.3	*.2	.2	*.2
24	.3	.4	.8	1.7	1.2	1.5	.6	.5	.3	*.2	.3	.2
25	.3	.4	.8	1.5	1.2	1.4	.6	.5	.3	*.2	.3	*.2
26	.2	.4	.7	1.4	1.2	1.3	.6	*.4	*.3	*.2	.3	*.2
27	.2	.4	.7	1.3	1.1	1.2	.6	.4	.3	*.2	*.3	*.2
28	.2	.4	1.0	1.2	1.1	1.1	.7	.4	.3	.2	*.3	*.2
29	.3	.4	1.1	1.1	-	1.1	.7	.4	.3	.2	*.2	*.2
30	.3	.4	.9	1.1	-	1.1	.9	.3	.3	.2	*.2	.2
31	.3	-	.9	1.1	-	1.1	-	.3	-	.2	*.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10.6	2.1	0.2	0.34	21
November	12.4	.8	.3	.41	25
December	196.8	125	.4	6.35	390
Calendar year 1934	391.8	125	.2	1.07	777
January	140.6	43	.7	4.54	279
February	346.5	106	.9	12.4	687
March	216.8	62	1.1	6.99	430
April	46.9	15	.6	1.56	93
May	16.6	.9	.3	.54	33
June	8.8	.3	.2	.29	17
July	7.5	.3	.2	.24	15
August	6.7	.3	.2	.22	13
September	6.2	.3	.2	.21	12
Water year 1934-35	1,016.4	125	.2	2.78	2,020

*Estimated.

O'Neill Ditch near Ysidora, Calif.

Location.- Water-stage recorder, lat. 33°19'40", long. 117°19'45", 100 feet above discharge into O'Neill Reservoir and 6 miles northeast of Ysidora.

Records available.- October 1930 to September 1935.

Remarks.- Records good. Discharge estimated Aug. 10-12. Gage-height record and results of discharge measurements furnished by Santa Margarita ranch. This ditch diverts from Santa Margarita River.

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	0.4						0	17	5	2.6	0.3	1.8
2	.4						0	15	5	3.1	.3	1.7
3	.6						0	17	4.8	2.9	.3	1.5
4	.8						0	13	4.5	2.8	.3	1.2
5	1.0						0	10	4.3	2.6	.3	1.1
6	1.3						0	9	4.1	2.2	.3	.8
7	1.6						0	8.5	4.0	2.1	.3	.7
8	1.7						0	8	4.0	1.8	.2	.8
9	1.6						0	8	3.8	1.7	.1	.9
10	1.4						0	8	3.5	1.7	.1	.9
11	1.3						0	8	3.5	1.7	.1	.9
12	1.3						0	8	3.3	1.7	.1	.7
13	1.3						0	8.5	3.2	1.7	.1	.6
14	1.7						0	8	3.2	1.5	.1	.4
15	2.1						0	8	3.2	1.3	.2	.3
16	2.2						0	8	3.3	1.1	.1	.3
17	3.5						0	8	3.4	.9	.1	.3
18	1.7						10	7.5	3.3	.8	.1	.4
19	.1						16	6.5	3.2	.7	.1	.4
20	0						15	6	3.2	.6	.1	.4
21	0						15	5.5	2.9	.6	.1	.6
22	0						14	5.5	2.7	.7	.1	.9
23	0						14	5	2.6	.7	.1	1.1
24	0						14	5	2.3	.5	.1	1.2
25	0						12	5	2.1	.5	.3	1.2
26	0						12	5.5	2.1	.5	.2	1.4
27	0						12	6	2.1	.4	1.2	1.4
28	0						12	6	2.0	.4	2.0	1.5
29	0						14	6	2.0	.3	1.7	1.5
30	0						22	6	2.1	.3	1.7	1.6
31	0						-	5.5	-	.3	1.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	26.0	3.5	0	0.84	52
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	1,199.7	24	0	3.29	2,380
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	182	16	0	6.1	361
May	251.0	17	5	8.10	498
June	98.7	5	2.0	3.29	196
July	40.7	3.1	.3	1.31	81
August	12.8	2.0	.1	.41	25
September	28.4	1.8	.3	.95	56
Water year 1934-35	839.6	17	0	1.75	1,270

Note.- No flow during months left blank.

San Juan Creek near San Juan Capistrano, Calif.

Location.- Water-stage recorder, lat. 33°30'50", long. 117°37'40", in Mission Viejo grant, on Ortego State highway bridge 2½ miles (revised) east of San Juan Capistrano, Orange County. Altitude, about 150 feet (revised); altitude of station used prior to Feb. 28, 1934, located about 2½ miles downstream, was about 70 feet (revised).

Drainage area.- 117 square miles (at former location).

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 135 second-feet Apr. 8 (gage height, 2.22 feet); no flow for several months.
1928-35: Maximum discharge, about 1,230 second-feet Mar. 16, 1930; no flow during summers.

Remarks.- Records fair. Irrigation diversion above station. Discharge estimated Oct. 18-24, Mar. 1, and May 27 to June 21.

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	0.2	1.6	1.6	2.8	3.0	2.4	0.8	0.1			
2	0	.2	1.4	1.6	2.4	7.5	2.4	.8	.1			
3	0	.2	1.6	1.6	2.4	9	2.4	.7	.1			
4	0	.1	1.6	2.4	3.4	5	2.4	.6	.1			
5	0	.1	1.2	13	13	3.0	2.4	.7	.1			
6	0	.1	.9	6.5	17	2.4	2.4	.7	.1			
7	0	.1	1.1	3.7	23	4.4	2.4	.7	.1			
8	0	.1	2.0	3.2	22	9	14	.8	.1			
9	0	.1	2.0	4.8	13	6.5	45	.7	.1			
10	0	.2	2.0	6	9.5	5	19	.6	.1			
11	0	.2	2.0	4.2	7	3.7	11	.2	.1			
12	0	.2	2.6	3.2	5	2.6	7.5	.1	.1			
13	0	.2	9	2.8	4.4	2.2	5	.1	.1			
14	0	.2	10	2.4	4.2	2.2	4.2	.1	.1			
15	0	.2	8.5	10	3.7	2.2	3.7	.1	.1			
16	0	3.4	4.4	8	3.2	2.0	2.5	.1	.1			
17	0	1.2	3.4	6	3.2	2.0	1.0	.1	.1			
18	20	1.2	3.0	5	3.0	2.0	.8	.1	.1			
19	2.0	3.2	2.8	9.5	2.6	2.0	.8	.1	.1			
20	.5	3.2	2.6	7.5	2.4	2.0	.8	.1	.1			
21	.2	2.6	2.4	4.9	2.0	2.0	.8	.1	.1			
22	.1	2.4	2.2	3.9	1.8	1.8	.7	.1	0			
23	.1	2.2	1.8	3.4	1.6	2.0	.5	.1	0			
24	.1	2.0	1.8	3.4	1.6	4.9	.4	.1	0			
25	.1	1.8	1.6	3.4	1.2	2.4	.7	.1	0			
26	.1	1.8	1.6	3.4	1.2	2.4	1.8	.1	0			
27	.1	1.8	1.8	3.4	1.2	2.4	1.3	.1	0			
28	.1	1.6	2.8	3.4	1.2	2.2	1.0	.1	0			
29	.2	1.6	2.2	3.4	-	2.2	1.0	.1	0			
30	.2	1.6	1.8	3.2	-	2.2	1.0	.1	0			
31	.2	-	1.8	3.2	-	2.2	-	.1	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	24.0	20	0	0.77	48
November	34.0	3.4	.1	1.13	67
December	85.5	10	.9	2.76	170
Calendar year 1934	782.3	230	0	2.14	1,550
January	142.0	13	1.6	4.58	282
February	159.0	23	1.2	5.68	315
March	104.4	9	1.8	3.37	207
April	139.3	43	.4	4.64	276
May	9.3	.8	.1	.30	18
June	2.1	.1	0	.07	4.2
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	699.6	43	0	1.92	1,390

Note.- No flow during months left blank.

Trabuco Creek near San Juan Capistrano, Calif.

Location.- Water-stage recorder, lat. 33°31'30", long. 117°40'15", in SW¼ sec. 25, T. S., R. 8 W., on State highway bridge 1½ miles north of San Juan Capistrano.

Drainage area.- 36.5 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 198 second-feet Jan. 5 (gage height, 5.35 feet); no flow part of year.
1930-35: Maximum discharge, 381 second-feet Feb. 8, 1932; no flow for long periods.

Remarks.- Records furnished by Orange County Flood Control District, through M. N. Thompson, chief engineer.

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	0	0	0	0	0					
2	0	0	0	0	0	15	0					
3	0	0	0	0	0	3.0	0					
4	0	0	0	0	0	.1	0					
5	0	0	0	29	17	0	0					
6	0	0	0	.2	19	0	0					
7	0	0	0	.1	19	0	0					
8	0	0	0	0	21	0	7.5					
9	0	0	0	0	10	0	10					
10	0	0	0	0	6.5	0	6					
11	0	0	0	0	2.0	0	5					
12	0	0	.1	0	.1	0	4.0					
13	0	0	.6	0	0	0	3.1					
14	0	0	.2	0	0	0	2.3					
15	0	0	0	2.0	0	0	.4					
16	0	.1	0	.1	0	0	0					
17	.1	.1	0	.1	0	0	0					
18	.2	.1	0	.1	0	0	0					
19	0	.2	0	10	0	0	0					
20	0	.1	0	4.4	0	0	0					
21	0	0	0	2.8	0	0	0					
22	0	0	0	1.9	0	0	0					
23	0	0	0	1.9	0	0	0					
24	0	0	0	1.5	0	0	0					
25	0	0	0	1.0	0	0	0					
26	0	0	0	.1	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0					
29	0	0	0	0	-	0	0					
30	0	0	0	0	-	0	0					
31	0	-	0	0	-	0	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.3	0.2	0	0.01	0.6
November	.6	.2	0	.02	1.2
December	.9	.6	0	.03	1.8
Calendar year 1934	32.3	27	0	.09	64.1
January	55.2	29	0	1.78	109
February	94.6	21	0	3.38	188
March	18.1	15	0	.58	36
April	38.3	10	0	1.28	76
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	208.0	29	0	.57	413

Note.- No flow during months left blank.

Aliso Creek at El Toro, Calif.

Location.- Water-stage recorder, lat. 33°37'15", long. 117°41'20", in Canada de Los Alisos grant, on Second Street Bridge, at El Toro, Orange County.

Drainage area.- 8.5 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,240 second-feet Mar. 2 (gage height, 8.10 feet); no flow most of year.
1930-35: Maximum discharge, that of Mar. 2, 1935; no flow most of each year.

Remarks.- Records furnished by Orange County Flood Control District, through M. N. Thompson, chief engineer.

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	0	0	0	0	0					
2	0	0	0	0	0	135	0					
3	0	0	0	0	0	.5	0					
4	0	0	0	0	4.4	.3	0					
5	0	0	0	50	16	.2	0					
6	0	0	0	.1	5.9	.1	0					
7	0	0	0	0	11	1.5	0					
8	0	0	0	0	8	.1	4.4					
9	0	0	0	5.7	.3	0	0					
10	0	0	0	.1	.3	0	0					
11	0	0	0	.1	.3	0	0					
12	0	0	0	0	.2	0	0					
13	0	0	9	0	.1	0	0					
14	0	0	4.6	0	.1	0	0					
15	0	.5	.7	11	.1	0	0					
16	0	6.5	.3	.1	.1	0	0					
17	e	.3	0	4.8	.1	0	0					
18	1.2	.3	0	16	.1	0	0					
19	.1	.3	0	9	0	0	0					
20	0	.2	0	.3	0	0	0					
21	0	.1	0	.2	0	0	0					
22	0	0	0	.1	0	0	0					
23	0	0	0	.1	0	0	0					
24	0	0	0	.1	0	0	0					
25	0	0	0	.1	0	0	0					
26	0	0	0	.1	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0					
29	0	0	0	0	-	0	0					
30	0	0	0	0	-	0	0					
31	0	-	0	0	-	0	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9.3	8	0	0.30	18
November	8.2	6.5	0	.27	16
December	14.6	9	0	.47	29
Calendar year 1934	97.4	48	0	.27	192
January	97.9	50	0	3.16	194
February	47.0	16	0	1.68	93
March	137.7	135	0	4.44	273
April	4.4	4.4	0	.15	8.7
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	319.1	135	0	.87	632

Note.- No flow during months left blank.

Santa Ana River near Mentone, Calif.

Location.- Water-stage recorder, lat. 34°06'40", long. 117°06', in SW¼ sec. 4, T. 1 S., R. 2 W., near mouth of canyon, 0.4 mile above Southern California Edison Co.'s Mentone power plant and 3½ miles northeast of Mentone. Altitude, about 1,900 feet.

Drainage area.- 189 square miles.

Records available.- July 1896 to September 1935.

Average discharge.- 37 years (1896-1909, 1910-15, 1916-35), 37.3 second-feet. Average combined discharge of Santa Ana River and canals, 34 years (1896-98, 1902-15, 1916-35), 88.7 second-feet.

Extremes.- Maximum discharge during year, 780 second-feet Apr. 8 (gage height, 3.80 feet); no flow during part of year.
1896-1935: Maximum discharge, 29,100 second-feet Jan. 27, 1916; no flow during parts of 1932-35.

Remarks.- Records good. Discharge estimated Dec. 16-18, Jan. 8, Apr. 4-9, July 17 to Aug. 2. Storage at Bear Valley Reservoir and diversions above station. Sum of discharge in river, Mentone power plant's tailrace, and Greenspot pipe line is given in table on next page.

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	0	0	3.0	3.3	1.9	16	1.8	1.0	0.2	0.1
2	0	0	0	0	2.8	9	1.7	20	1.5	.9	.2	.1
3	0	0	0	0	1.5	11	1.7	15	1.9	.8	.2	0
4	0	0	0	0	9.5	11	1.5	11	1.9	.7	.2	0
5	0	0	0	30	53	14	1.5	8	1.9	.7	.2	0
6	0	0	0	11	145	6	1.4	4.7	1.9	.7	.2	.1
7	0	0	0	1.9	63	14	1.4	3.2	1.9	.7	.2	.2
8	0	0	0	.5	65	25	190	4.2	1.8	.6	.2	.2
9	0	0	0	112	50	12	128	3.0	1.7	.5	.2	.2
10	0	0	0	200	35	6.5	74	2.7	1.6	.4	.2	.1
11	0	0	0	74	28	4.8	56	2.7	1.5	.4	.2	.1
12	0	0	.6	32	21	4.3	45	2.7	1.4	.4	.2	.1
13	0	0	24	15	20	3.3	32	2.7	1.4	.5	.2	.1
14	0	0	214	11	18	3.1	25	2.5	1.6	.4	.1	.1
15	0	0	55	77	14	3.1	24	2.4	1.8	.7	.1	.1
16	0	0	1.0	79	11	2.7	22	2.3	1.8	4.4	.1	0
17	.2	0	.5	58	7	2.4	16	2.6	1.5	1.0	.1	0
18	107	0	.1	34	6	2.4	13	4.7	1.3	.5	.1	0
19	7	.9	0	54	6	2.5	12	5.5	1.0	.4	.1	0
20	.6	2.4	0	25	5	2.2	13	5.5	.8	.3	.1	0
21	0	0	0	19	3.3	2.2	12	5	1.0	.2	.1	0
22	0	0	0	20	2.9	2.4	11	3.6	1.0	.2	.1	0
23	0	0	0	17	3.5	1.9	10	2.7	1.0	.2	.1	0
24	0	0	0	12	3.3	1.9	8	2.5	1.0	.2	6	0
25	0	0	0	9.5	2.5	1.4	5	2.4	1.0	.2	11	0
26	0	0	0	8	3.3	1.6	6.5	2.0	.9	.2	.6	0
27	0	0	0	5.5	2.9	2.2	6.5	2.0	1.0	.2	.6	0
28	0	0	.2	3.2	2.9	2.4	6	2.0	1.0	.2	.5	0
29	0	0	0	1.7	-	2.4	16	2.2	1.0	.2	.4	0
30	0	0	0	3.2	-	2.2	18	2.2	1.0	.2	.2	0
31	0	-	0	3.2	-	2.0	-	1.8	-	.2	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	114.8	107	0	3.70	228
November	3.3	2.4	0	.11	6.5
December	295.4	214	0	9.53	586
Calendar year 1934	1,905.0	1,020	0	5.22	3,780
January	916.7	200	0	29.6	1,820
February	591.4	148	1.5	21.1	1,170
March	165.2	25	1.4	5.33	328
April	760.1	190	1.4	25.3	1,510
May	150.0	20	1.8	4.84	298
June	42.2	1.9	.8	1.41	84
July	18.2	4.4	.2	.59	36
August	23.3	11	.1	.75	46
September	1.5	.2	0	.05	3.0
Water year 1934-35	3,082.1	214	0	8.44	6,120

Santa Ana River near Mentone, Calif.

(Continued)

Combined discharge, in second-feet, of Santa Ana River and canals near Mentone, Calif., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	18.5	22	23	41	39	54	91	55	46	46	41
2	31	20	15.5	22	41	50	54	85	53	53	48	41
3	33	20	22	22	38	47	54	80	53	53	48	42
4	37	20	22	22	48	47	56	70	53	53	48	44
5	37	20	19.5	56	104	53	56	69	53	53	48	46
6	37	18.5	19.5	45	205	49	55	64	53	53	48	46
7	35	18.5	19.5	34	138	55	55	66	53	53	48	46
8	33	18.5	19.5	28	143	62	275	65	55	55	48	46
9	33	18.5	19.5	146	115	55	189	68	52	54	50	44
10	35	18.5	19.5	270	100	50	144	73	52	52	50	46
11	33	18.5	19.5	119	84	50	141	73	54	52	50	50
12	33	18.5	22	77	86	51	130	68	51	52	50	48
13	33	18.5	62	54	74	55	117	68	53	52	50	48
14	35	19.5	236	47	67	55	110	64	54	52	54	48
15	33	19.5	59	142	61	64	109	63	50	53	52	48
16	31	19.5	39	117	54	59	107	61	52	56	80	48
17	33	22	32	97	54	54	106	61	54	51	50	48
18	154	25	26	79	53	52	98	53	53	52	50	48
19	38	27	28	90	51	52	97	54	51	50	50	48
20	22	24	26	61	50	49	98	54	54	80	52	46
21	22	22	26	53	48	52	97	53	54	50	52	48
22	20	19.5	22	54	46	47	96	60	52	50	52	48
23	18.5	22	24	51	46	47	95	59	52	50	54	44
24	18.5	19.5	22	46	44	52	93	58	50	46	50	41
25	16.7	22	19.5	46	42	49	85	58	48	48	42	41
26	16.7	22	19.5	44	41	50	82	56	46	48	36	46
27	20	22	22	42	42	50	76	56	46	48	42	44
28	18.5	19.5	23	41	41	50	76	58	48	48	44	43
29	18.5	22	23	41	-	52	91	56	46	46	44	41
30	20	22	22	41	-	52	68	56	46	46	42	41
31	18.5	-	22	41	-	54	-	55	-	46	42	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	994.9	154	16.7	32.1	1,970
November	615.5	27	18.5	20.5	1,220
December	993	236	15.5	32.0	1,970
Calendar year 1934	13,994.4	1,080	15.5	38.3	27,750
January	2,051	270	22	66.2	4,070
February	1,957	205	38	69.9	3,880
March	1,603	64	39	51.7	3,180
April	2,964	275	54	98.8	5,880
May	1,965	91	51	63.4	3,900
June	1,546	55	46	51.5	3,070
July	1,571	56	46	50.7	3,120
August	1,490	54	42	48.1	2,960
September	1,359	48	41	45.3	2,700
Water year 1934-35	19,109.4	275	15.5	52.4	37,920

Santa Ana River near San Bernardino, Calif.

Location.- Water-stage recorder, lat. 34°4'50", long. 117°15'25", in San Bernardino grant, a quarter of a mile upstream from the Tippecanoe Street Bridge and 2½ miles southeast of San Bernardino, San Bernardino County. Altitude, about 1,040 feet.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 300 second-feet Apr. 8 (gage height, 3.50 feet); no flow most of year.
1928-35: Maximum discharge, 2,400 second-feet Feb. 9, 1932 (gage height, 4.15 feet); no flow most of each year.

Remarks.- Records poor. Storage at Bear Valley Reservoir. During irrigation season entire flow of Santa Ana River and Mill Creek diverted by Bear Valley Mutual Water Co. and associated companies. At times Gage Canal diverts directly above station. During periods of high water the Water Conservation Association diverts at Mentone for spreading purposes.

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	0	0		0				0	
2	0		0	0	0		0				0	
3	0		0	0	0		0				0	
4	0		0	0	0		0				0	
5	0		0	9	*5		0				0	
6	0		0	0	*50		0				0	
7	0		0	0	0		0				0	
8	0		0	0	*5		85				0	
9	0		0	0	0		*5				0	
10	0		0	0	0		0				0	
11	0		0	0	0		0				0	
12	0		0	0	0		0				0	
13	0		0	0	0		0				0	
14	0		52	0	0		0				0	
15	0		0	*10	0		0				0	
16	0		0	0	0		0				0	
17	0		0	0	0		0				0	
18	*15		0	0	0		0				0	
19	0		0	*5	0		0				0	
20	0		0	0	0		0				0	
21	0		0	0	0		0				0	
22	0		0	0	0		0				0	
23	0		0	0	0		0				0	
24	0		0	0	0		0				0	
25	0		0	0	0		0				*5	
26	0		0	0	0		0				*2	
27	0		0	0	0		0				0	
28	0		0	0	0		0				0	
29	0		0	0	-		0				0	
30	0		0	0	-		0				0	
31	0		0	0	-		-				0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15	15	0	0.48	30
November	0	0	0	0	0
December	52	52	0	1.68	103
Calendar year 1934	500	383	0	1.37	992
January	24	10	0	.77	48
February	60	50	0	2.14	119
March	0	0	0	0	0
April	90	85	0	3.0	179
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
August	7.0	5	0	.23	14
September	0	0	0	0	0
Water year 1934-35	248.0	85	0	.68	493

*Estimated.

Note.- No flow during months left blank.

Santa Ana River at Riverside Narrows, near Arlington, Calif.

Location.- Water-stage recorder, lat. 33°58', long. 117°26'30", in Jurupa grant, half a mile below Union Pacific Railroad bridge and 3 miles north of Arlington, Riverside County. Altitude, 690 feet.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year (estimated), 1,000 second-feet Aug. 14 (gage height, 5.18 feet); minimum, 22 second-feet Aug. 20-23.
1929-35: Maximum discharge, 4,740 second-feet Dec. 29, 1931; minimum, that of Aug. 20-23, 1935.

Remarks.- Records good except those for estimated periods, which are poor. Numerous diversions (see Santa Ana River at San Bernardino, Calif.).

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	26	28	32	31	31	32	30	28	27	24	25
2	33	26	28	31	31	54	32	30	29	27	24	24
3	33	26	29	31	32	39	32	61	28	27	24	24
4	31	26	34	34	40	34	32	31	28	27	24	25
5	29	27	40	*160	76	33	32	31	26	26	24	25
6	27	27	45	*50	*200	34	31	30	28	26	24	25
7	26	27	44	*35	49	56	32	29	28	25	23	26
8	25	28	34	32	51	42	*140	29	28	25	24	26
9	25	30	33	34	44	38	*60	29	28	25	23	25
10	25	28	33	57	43	36	*36	29	28	25	24	25
11	26	*29	33	32	43	35	33	29	28	25	24	25
12	26	29	33	30	43	34	32	29	29	25	24	25
13	26	29	*50	30	*43	33	32	30	29	25	*28	25
14	26	29	*200	30	*45	33	32	30	29	24	*80	24
15	26	29	*100	97	42	33	31	30	29	24	26	24
16	27	32	*90	49	41	33	31	30	28	24	25	24
17	28	29	*60	35	40	32	31	30	28	23	25	24
18	*180	29	*40	38	38	32	30	30	28	24	24	24
19	*100	32	*35	74	36	32	30	30	27	25	24	24
20	*60	29	31	35	34	33	30	30	27	25	23	24
21	*45	29	31	35	32	34	30	29	27	25	23	24
22	*38	29	31	35	32	35	30	29	26	25	23	24
23	28	29	31	35	32	32	30	30	26	25	23	24
24	27	35	30	35	32	36	29	30	25	24	32	25
25	27	30	31	34	31	33	28	30	25	25	41	25
26	27	29	30	33	31	32	29	29	25	25	35	25
27	27	29	30	32	31	33	29	29	25	25	*28	25
28	26	29	34	32	31	32	30	29	25	25	25	25
29	26	28	34	32	-	32	31	29	26	24	25	25
30	26	28	32	31	-	32	30	29	26	24	25	25
31	25	-	32	31	-	32	-	28	-	24	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,134	180	25	36.6	2,250
November	862	35	26	28.7	1,710
December	1,366	200	28	44.1	2,710
Calendar year 1934	12,884	778	25	35.3	25,560
January	1,311	160	30	42.3	2,600
February	1,254	200	31	44.8	2,490
March	1,090	56	31	35.2	2,160
April	1,067	140	28	35.6	2,120
May	948	61	28	30.6	1,880
June	819	29	25	27.3	1,620
July	775	27	23	25.0	1,540
August	846	80	23	27.3	1,680
September	740	26	24	24.7	1,470
Water year 1934-35	12,212	200	23	33.5	24,230

*Estimated.

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Santa Ana River at Hammer Avenue, near Corona, Calif.

Location.- Water-stage recorder, lat. 33°56'50", long. 117°33', in Jurupa grant, 1 mile above Hammer Avenue and 5 miles north of Corona, Riverside County.

Records available.- May 1930 to November 1935, irrigation seasons only.

Remarks.- Records good except those for estimated periods, which are fair.

Discharge, in second-feet, 1934-35

Day	Oct.	Nov.				May	June	July	Aug.	Sept.	Oct.	Nov.
1	24	32				36	25	28	18	25	*27	28
2	23	33				37	24	29	18	23	28	*31
3	21	40				*63	25	26	19	25	28	*34
4	23	40				31	24	25	18	24	24	*32
5	23	42				31	24	25	18	23	26	31
6	24	*35				32	25	23	18	23	26	32
7	24	29				31	25	24	18	23	26	29
8	25	30				31	24	24	17	24	28	31
9	24	32				31	23	23	16	24	25	34
10	22	30				31	25	25	16	24	25	32
11	22	29				32	25	23	18	23	26	31
12	22	33				31	25	24	17	22	28	*32
13	23	32				31	25	23	18	23	25	34
14	22	33				31	24	23	*90	20	26	32
15	25	32				34	25	23	23	23	26	31
16	24	42				31	24	20	20	22	25	*31
17	27	35				32	23	19	20	23	23	*31
18	*98	37				31	23	22	19	23	22	*32
19	39	40				29	23	18	18	22	23	32
20	29	33				31	25	18	17	24	23	29
21	30	32				26	25	19	17	24	25	31
22	33	33				26	24	19	18	23	25	31
23	30	35				29	23	20	17	24	*25	31
24	30	40				26	25	19	19	24	*26	31
25	29	35				26	25	18	*45	24	*27	29
26	29	33				25	25	18	26	*24	*28	*31
27	30	35				24	26	18	*37	*25	*26	32
28	30	33				24	25	17	28	*25	*29	32
29	30	35				24	28	15	24	*26	29	34
30	30	35				26	26	14	25	*26	28	32
31	33	-				24	-	16	23	-	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	898	98	21	29.0	1,780
November	1,035	42	29	34.5	2,050
1935					
May	947	63	24	30.5	1,880
June	738	28	23	24.6	1,460
July	658	29	14	21.2	1,310
August	715	90	16	23.1	1,420
September	708	26	20	23.6	1,400
October	806	29	22	26.0	1,600
November	943	34	28	31.4	1,870
The period					10,940

*Estimated.

Santa Ana River at Auburndale Bridge, near Corona, Calif.

Location.- Water-stage recorder, lat. 33°55'30", long. 117°35'40", in Jurupa grant, at Auburndale Bridge, 4 miles northwest of Corona, Riverside County.

Records available.- May 1930 to November 1935, irrigation seasons only.

Remarks.- Records good.

Discharge, in second-feet, 1934-35

Day	Oct.	Nov.				May	June	July	Aug.	Sept.	Oct.	Nov.
1	34	50				57	41	40	26	37	43	46
2	35	53				56	42	41	28	37	44	47
3	35	58				77	41	38	29	37	43	52
4	37	58				55	41	39	29	36	40	47
5	38	61				56	38	38	31	37	43	46
6	40	57				49	41	37	31	35	40	44
7	40	52				56	39	34	*30	34	42	47
8	39	50				50	39	37	*29	35	41	47
9	38	55				51	37	32	*28	33	42	45
10	36	52				49	37	30	*28	34	42	46
11	36	50				53	38	34	*29	32	42	47
12	36	53				57	37	34	*29	33	42	42
13	38	53				53	38	31	*30	33	41	44
14	37	53				51	39	32	*100	34	43	46
15	40	56				57	38	31	36	37	42	49
16	40	65				52	36	29	34	36	43	51
17	47	62				56	37	29	33	36	40	53
18	*107	62				51	36	28	32	36	40	61
19	66	72				53	34	28	33	35	40	52
20	52	64				49	39	27	31	36	43	55
21	47	58				46	38	27	29	37	41	52
22	51	58				46	38	29	28	36	42	56
23	50	60				45	39	28	29	36	*39	52
24	45	61				49	37	27	31	37	*39	57
25	46	58				44	41	28	61	35	*41	56
26	49	56				45	41	26	42	39	*42	55
27	46	56				47	39	27	46	37	*45	57
28	49	55				46	42	27	41	40	*44	53
29	51	55				49	41	25	38	41	*45	56
30	47	56				44	40	26	36	41	46	53
31	49	-				46	-	26	38	-	46	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	1,401	107	34	45.2	2,780
November	1,709	72	50	57.0	3,390
1935					
May	1,594	77	44	51.4	3,160
June	1,164	42	34	38.8	2,310
July	973	41	25	31.4	1,930
August	1,095	100	26	35.3	2,170
September	1,082	41	32	36.1	2,150
October	1,306	46	39	42.1	2,590
November	1,515	61	42	50.5	3,000
The period					17,310

*Estimated.

Santa Ana River at Atchison, Topeka & Santa Fe Railway bridge near Prado, Calif.

Location.- Water-stage recorder, lat. 33°52'50", long. 117°38'30", in La Sierra grant, half a mile below Atchison, Topeka & Santa Fe Railway bridge and 1½ miles southwest of Prado, Riverside County.

Records available.- May 1930 to November 1935, irrigation seasons only.

Remarks.- Records good.

Discharge, in second-feet, 1934-35

Day	Oct.	Nov.				May	June	July	Aug.	Sept.	Oct.	Nov.
1	49	61				74	58	50	*33	45	52	60
2	49	66				77	56	50	*36	46	56	60
3	49	68				98	53	50	*37	45	56	60
4	47	70				77	52	46	*37	44	52	60
5	49	70				69	49	48	*37	44	56	57
6	52	72				72	52	46	*37	46	53	58
7	50	62				69	52	45	*38	45	54	58
8	52	61				67	53	45	36	45	54	61
9	50	66				65	50	45	35	49	53	63
10	46	64				67	49	46	36	46	53	64
11	46	64				67	53	44	37	46	50	64
12	49	67				71	50	45	38	45	53	63
13	47	64				68	53	43	37	43	54	61
14	52	64				67	52	43	*115	44	56	61
15	50	64				71	54	43	52	43	56	63
16	50	87				69	53	39	45	45	56	64
17	64	79				68	52	39	43	45	50	67
18	*211	80				68	50	40	43	46	50	74
19	*137	104				67	52	39	44	46	52	69
20	86	91				65	50	37	43	49	52	69
21	75	77				61	52	40	38	49	53	69
22	70	74				58	52	42	38	45	56	68
23	68	72				58	52	40	38	45	50	71
24	62	74				61	50	40	38	46	50	66
25	61	74				60	52	39	69	46	53	71
26	58	72				56	53	39	56	49	56	71
27	56	70				61	50	39	61	48	56	72
28	59	68				61	52	36	53	50	54	67
29	61	70				61	52	37	52	50	56	67
30	62	70				61	50	35	48	50	58	67
31	59	-				60	-	*35	46	-	58	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	1,976	211	46	63.7	3,920
November	2,145	104	61	71.5	4,250
1935					
May	2,074	98	56	66.9	4,110
June	1,558	58	49	51.9	3,090
July	1,307	50	35	42.2	2,590
August	1,394	115	33	45.0	2,760
September	1,387	50	43	46.2	2,750
October	1,665	58	50	53.7	3,300
November	1,947	74	57	64.9	3,860
The period					22,460

*Estimated.

Santa Ana River near Prado, Calif.

Location.- Water-stage recorder, lat. 33°52'5", long. 117°40'20", in Lomas de Santiago grant, at Riverside-Orange County line in lower Santa Ana Canyon, 3 miles below Rincon Bridge and 3 miles southwest of Prado, Riverside County.

Records available.- January 1919 to September 1935.

Average discharge.- 16 years, 145 second-feet.

Extremes.- Maximum discharge during year, 855 second-feet Jan. 5 (gage height, 3.98 feet); minimum, 26 second-feet Aug. 1 (gage height, 1.77 feet).
1919-35: Maximum discharge, about 18,000 second-feet Feb. 16, 1927 (gage height, 11.5 feet); minimum, 25 second-feet Aug. 18, 1929.

Remarks.- Records good. Diversions and regulation 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	43	62	73	91	78	94	92	80	56	53	28	52
2	44	65	74	94	82	147	92	79	52	51	32	51
3	44	66	74	91	79	136	97	102	52	51	33	52
4	44	67	76	92	89	140	96	77	48	50	33	52
5	41	69	79	186	169	113	96	70	47	51	33	47
6	44	68	83	247	309	104	96	67	47	52	33	48
7	42	64	92	126	183	249	94	65	46	47	34	47
8	40	61	89	111	166	264	136	63	50	51	32	44
9	42	64	86	120	155	152	266	63	50	48	30	45
10	41	63	84	150	136	126	122	62	45	46	33	41
11	43	65	84	120	131	115	102	60	45	48	31	40
12	44	65	84	111	131	104	96	*62	46	48	32	44
13	45	64	166	109	129	102	96	*64	46	44	38	40
14	48	66	362	104	129	100	91	*66	44	47	119	39
15	48	65	337	196	129	99	86	*68	46	45	50	42
16	50	89	209	188	120	92	88	64	51	40	42	41
17	64	88	145	109	115	92	89	65	48	38	40	39
18	266	94	124	109	111	86	85	63	44	40	41	40
19	161	106	*100	145	109	84	82	63	44	40	38	38
20	97	94	84	111	102	86	82	63	47	38	34	40
21	*77	89	84	111	100	84	79	60	45	38	34	38
22	59	84	85	113	97	86	75	60	44	38	33	38
23	61	80	85	120	92	88	74	59	48	38	34	37
24	59	76	85	97	92	97	76	63	48	36	34	40
25	59	74	86	94	89	88	75	63	47	38	63	41
26	59	73	86	92	89	88	74	59	50	38	56	42
27	58	73	89	89	91	89	75	64	47	34	59	45
28	59	74	91	85	89	85	75	62	46	34	51	46
29	61	73	94	83	-	86	77	60	51	33	51	46
30	62	73	96	82	-	94	79	60	53	31	47	48
31	61	-	91	82	-	89	-	58	0	31	51	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,966	266	40	63.4	3,900
November	2,214	106	61	73.8	4,390
December	3,477	362	73	112	6,900
Calendar year 1934	29,424	2,250	36	80.6	58,310
January	3,658	247	82	118	7,260
February	3,391	309	78	121	6,730
March	3,509	264	84	113	6,960
April	2,843	266	74	94.8	5,640
May	2,054	102	58	65.6	4,050
June	1,433	56	44	47.8	2,840
July	1,317	53	31	42.5	2,610
August	1,299	119	28	41.9	2,580
September	1,303	52	37	43.4	2,580
Water year 1934-35	28,444	362	28	77.9	56,420

*Estimated.

Santa Ana River at Santa Ana, Calif.

Location.- Water-stage recorder, lat. 33°45', long. 117°54'20", in Las Bolsas land grant, an eighth of a mile above Fifth Street Bridge, Santa Ana, Orange County, and 2 miles below junction with Santiago Creek. Altitude, about 80 feet.

Records available.- January 1923 to September 1935.

Average discharge.- 12 years, 12.3 second-feet.

Extremes.- Maximum discharge during year, 378 second-feet Oct. 18 (gage height, 1.66 feet); no flow for several months.
1923-35: Maximum discharge, about 25,000 second-feet Feb. 16, 1927; no flow several months each year.

Remarks.- Records fair. For storage and diversions see "Santa Ana River near San Bernardino, Calif." Entire flow of Santa Ana River near Prado is diverted during irrigation season near Olive by Anaheim Union and Santa Ana Valley Irrigation Cos. Results of discharge measurements furnished by Orange 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	0	0	0	0	0						
2	0	0	0	0	0	*13						
3	0	0	0	0	0	*4.0						
4	0	0	0	0	0	*1.0						
5	0	0	0	27	1.5	0						
6	0	0	0	104	*3.0	0						
7	0	0	0	67	*47	91						
8	0	0	0	*10	*5	105						
9	0	0	0	*5	*1.0	*5						
10	0	0	0	*2.0	0	*2.0						
11	0	0	0	*2.0	0	0						
12	0	0	0	*2.0	0	0						
13	0	0	0	*2.0	0	0						
14	0	0	81	*2.0	0	0						
15	0	0	132	33	0	0						
16	0	*8	67	48	0	0						
17	0	*4.0	*10	*5	0	0						
18	*200	*3.0	*2.0	*1.0	0	0						
19	*45	*7	0	23	0	0						
20	*1.0	*2.0	0	9	0	0						
21	0	*1.0	0	6	0	0						
22	0	0	0	2.0	0	0						
23	0	0	0	0	0	0						
24	0	0	0	0	0	0						
25	0	0	0	0	0	0						
26	0	0	0	0	0	0						
27	0	0	0	0	0	0						
28	0	0	0	0	0	0						
29	0	0	0	0	-	0						
30	0	0	0	0	-	0						
31	0	-	0	0	-	0						

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	246.0	200	0	7.94	488
November	25.0	8	0	.83	50
December	292.0	132	0	9.42	579
Calendar year 1934	1,624.0	848	0	4.45	3,220
January	350.0	104	0	11.3	694
February	57.5	47	0	2.05	114
March	221.0	105	0	7.13	438
April	0	0	0	0	0
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	1,191.5	200	0	3.26	2,360

*Estimated.

Note.- No flow during months left blank.

Southern California Edison Co.'s canal and Greenspot pipe line near Mentone, Calif.

Location.- At Southern California Edison Co.'s power plant at mouth of canyon, lat. 34° 6'20", long. 117°5'55", in SW¼ sec. 4, T. 1 S., R. 2 W., 3 miles northeast of Mentone.

Records available.- 1896 to September 1935.

Average discharge.- Southern California Edison Co.'s canal, 33 years (1896-98, 1904-35), 51.1 second-feet. Greenspot pipe line, 24 years (1911-35), 5.52 second-feet.

Extremes.- 1896-1935: Maximum mean daily canal discharge, 97 second-feet Mar. 16, 1905; no flow during short periods nearly every year.

Remarks.- Intake of this canal is in sec. 34, T. 1 N., R. 2 W., at Southern California Edison Co.'s power plant no. 2, 2⅔ miles above Mentone plant. Water is diverted from forebay of Mentone plant by Greenspot pipe line. Canal discharge below forebay is computed from record of kilowatt output of power plant. Pipe-line discharge is computed from weir record at forebay. Sum of records of discharge of canal and pipe line in following tables gives total flow of canal above forebay.

Canal 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	15.5	17.5	19.2	34	32	43	66	45	39	37	34
2	22	17.5	11.5	17.5	34	37	43	56	43	43	39	34
3	24	17.5	17.5	17.5	32	32	43	56	43	43	39	35
4	28	17.5	17.5	17.5	34	32	45	50	43	43	39	37
5	28	17.5	15.5	22	47	35	45	52	43	43	39	39
6	28	15.5	15.5	30	56	39	45	50	43	43	39	37
7	26	15.5	15.5	28	71	37	45	56	43	43	39	37
8	24	15.5	15.5	24	71	37	76	50	45	45	39	37
9	24	15.5	15.5	30	61	43	52	56	43	45	41	35
10	26	15.5	15.5	66	61	43	61	61	43	43	41	37
11	24	15.5	15.5	41	52	45	76	61	45	43	41	41
12	24	15.5	17.5	41	61	47	76	56	43	43	41	39
13	24	15.5	34	35	50	52	76	56	45	43	41	39
14	26	15.5	17.5	32	45	52	76	52	45	43	45	39
15	24	15.5	0	61	43	61	76	52	41	43	43	39
16	22	15.5	34	34	39	56	76	50	43	43	41	39
17	25	17.5	28	35	43	52	81	39	45	41	41	39
18	44	21	22	41	43	50	76	39	45	43	41	39
19	28	22	24	32	41	50	76	39	43	41	41	39
20	18.4	17.5	22	32	41	47	76	39	47	41	43	37
21	19.2	17.5	22	30	41	50	76	39	47	41	43	39
22	17.5	15.5	17.5	30	39	45	76	47	45	41	43	39
23	15.5	17.5	19.6	30	39	45	76	47	45	41	45	35
24	15.5	15.5	17.5	30	37	50	76	47	43	37	35	32
25	13.7	17.5	15.5	32	35	39	71	47	41	39	22	32
26	13.7	17.5	15.5	32	34	39	66	45	39	39	26	37
27	17.5	17.5	17.5	32	35	39	61	45	39	39	34	35
28	15.5	15.5	19.2	34	34	39	61	47	41	39	37	34
29	15.5	17.5	19.2	35	-	41	66	45	39	37	37	32
30	17.5	17.5	17.5	34	-	41	41	45	39	37	35	32
31	15.5	-	17.5	34	-	43	-	45	-	37	35	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	688	44	13.7	22.2	1,360
November	503	22	15.5	16.8	998
December	570	34	0	18.4	1,130
Calendar year 1934	9,688	71	0	26.5	19,210
January	1,008.7	66	17.5	32.5	2,000
February	1,253	71	32	44.8	2,490
March	1,350	61	32	43.5	2,680
April	1,933	81	41	64.4	3,830
May	1,535	66	39	49.5	3,040
June	1,294	47	39	43.1	2,570
July	1,281	45	37	41.3	2,540
August	1,202	45	22	38.8	2,380
September	1,099	39	32	36.6	2,180
Water year 1934-35	13,716.7	81	0	37.6	27,200

Southern California Edison Co.'s canal and Greenspot pipe line near Mentone, Calif.

(Continued)

Discharge, in second-feet, of Greenspot pipe line near Mentone, Calif. for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	3	4	4	4	4	9	9	8	6	9	7
2	9	3	4	4	4	4	9	9	8	9	9	7
3	9	3	4	4	4	4	9	9	8	9	9	7
4	9	3	4	4	4	4	9	9	8	9	9	7
5	9	3	4	4	4	4	9	9	8	9	9	7
6	9	3	4	4	4	4	9	9	8	9	9	9
7	9	3	4	4	4	4	9	9	8	9	9	9
8	9	3	4	4	4	0	9	9	8	9	9	9
9	9	3	4	4	4	0	9	9	7	9	9	9
10	9	3	4	4	4	0	9	9	7	9	9	9
11	9	3	4	4	4	0	9	9	7	9	9	9
12	9	3	4	4	4	0	9	9	7	9	9	9
13	9	3	4	4	4	0	9	9	7	9	9	9
14	9	4	4	4	4	0	9	9	7	9	9	9
15	9	4	4	4	4	0	9	9	7	9	9	9
16	9	4	4	4	4	0	9	9	7	9	9	9
17	7.5	4	4	4	4	0	9	9	7	9	9	9
18	4.2	4	4	4	4	0	9	9	7	9	9	9
19	3	4	4	4	4	0	9	9	7	9	9	9
20	3	4	4	4	4	0	9	9	6.5	9	9	9
21	3	4	4	4	4	0	9	9	6	9	9	9
22	3	4	4	4	4	0	9	9	6	9	9	9
23	3	4	4	4	4	0	9	9	6	9	9	9
24	3	4	4	4	4	0	9	9	6	9	9	9
25	3	4	4	4	4	9	9	6	6	9	9	9
26	3	4	4	4	4	9	9	9	6	9	9	9
27	3	4	4	4	4	9	9	9	6	9	7	9
28	3	4	4	4	4	9	9	9	6	9	7	9
29	3	4	4	4	-	9	9	9	6	9	7	9
30	3	4	4	4	-	9	9	9	6	9	7	9
31	3	-	4	4	-	9	-	8	-	9	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	194.7	9.0	3.0	6.28	386
November	107.0	4.0	3.0	3.57	212
December	124.0	4.0	4.0	4.00	246
Calendar year 1934	2,400.6	9.0	0	6.58	4,760
January	124.0	4.0	4.0	4.00	246
February	112.0	4.0	4.0	4.00	222
March	91.0	9.0	0	2.94	180
April	270.0	9.0	9.0	9.00	536
May	278.0	9.0	8.0	8.97	551
June	207.5	8.0	6.0	6.92	412
July	276.0	9.0	6.0	8.90	547
August	269.0	9.0	7.0	8.68	534
September	260.0	9.0	7.0	8.67	516
Water year 1934-35	2,313.2	9.0	0	6.34	4,590

Mill Creek near Craftonville, Calif.

Location.- Water-stage recorder, lat. 34°05'15", long. 117°02'25", in NE¼ sec. 13, T. 1 S., R. 2 W., at mouth of canyon, below bridge on Redlands-Bear Valley highway 5 miles (revised) northeast of Craftonville.

Records available.- January 1919 to September 1935.

Average discharge.- 16 years, 10.2 second-feet. Average combined discharge, river and canals, 16 years, 33.3 second-feet.

Extremes.- Maximum discharge during year, 246 second-feet Aug. 23 (gage height, 2.82 feet); no flow for several months.
1919-35: Maximum discharge estimated, 4,500 second-feet Feb. 16, 1927 (gage height, 5.5 feet); all water diverted into Mill Creek power canal no. 1 at various times.

Remarks.- Records good. Mill Creek power canals nos. 1, 2, and 3 divert water from points just above, 3 miles above, and 6 miles above station, respectively. Combined discharge is sum of flow in creek and the three canals.

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	0	0	0	0	0	15	9		0	0
2	0	.6	0	0	0	0	0	16	8		0	0
3	0	.2	0	0	0	0	0	12	7.5		0	0
4	0	.3	0	0	18	0	0	10	5		0	0
5	0	.2	0	11	61	0	0	8	.5		0	0
6	0	0	0	5.5	44	0	0	9.5	0		0	0
7	0	0	0	2.9	19	0	0	7.5	0		0	0
8	0	0	0	2.0	15	0	55	34	0		0	0
9	0	0	0	*4.0	6.5	0	31	*28	0		0	0
10	0	0	0	*3.0	4.1	0	20	*23	.8		0	0
11	0	0	*.7	*2.0	2.6	0	15	*24	2.0		0	0
12	0	0	4.3	*1.8	.9	0	e.5	*24	.4		0	0
13	0	0	19	*1.6	0	0	9.5	23	0		9	0
14	0	0	48	*1.4	0	0	12	16	0		5	0
15	0	0	8.5	*8	0	0	17	8.5	0		1.2	0
16	0	0	2.9	2.9	0	0	20	9.5	0		0	0
17	0	0	2.0	2.3	0	0	12	11	0		0	0
18	3.3	0	1.3	1.3	0	0	8	*11	0		0	0
19	.5	0	1.3	1.3	0	0	8	*10	0		0	3.0
20	*.2	0	1.1	1.1	0	0	9	*10	0		0	2.9
21	*.2	0	1.1	1.1	0	0	e	*11	0		0	0
22	*.2	0	1.1	1.3	0	1.7	12	11	0		0	0
23	.2	0	.3	1.3	0	2.6	14	11	0		24	0
24	1.1	0	0	1.4	0	1.3	19	13	0		29	0
25	.5	0	.6	.8	0	1.1	20	11	0		0	0
26	.2	0	1.3	0	0	.5	16	12	0		0	0
27	0	0	.5	0	0	0	16	14	0		0	0
28	0	0	2.6	0	0	0	15	11	0		0	0
29	0	0	1.1	0	-	0	22	11	0		0	0
30	0	0	.5	0	-	0	20	11	0		0	0
31	0	-	.9	0	-	0	-	11	-		0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.4	3.3	0	0.21	13
November	1.3	.6	0	.04	2.6
December	99.0	48	0	3.19	196
Calendar year 1934	360.2	177	0	.99	714
January	58.0	11	0	1.87	115
February	171.1	61	0	6.11	339
March	7.2	2.6	0	.23	14
April	387	55	0	12.9	768
May	437	34	7.5	14.1	867
June	33.2	9	0	1.11	66
July	0	0	0	0	0
August	68.2	29	0	2.20	135
September	5.9	3.0	0	.20	12
Water year 1934-35	1,274.3	61	0	3.49	2,530

*Estimated.

Note.- No flow during July.

Mill Creek near Craftonville, Calif.

(Continued)

Combined discharge, in second-feet, of Mill Creek and canals near Craftonville, Calif., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11.1	6.1	8.2	7.8	17.7	24	30	52	48	32	24	24
2	10.7	7.0	8.2	7.8	16.8	26	29	53	46	32	24	23
3	10.4	7.2	8.2	7.6	16.3	26	30	48	46	32	23	23
4	10.6	7.1	7.9	7.9	40	26	30	46	46	31	23	24
5	11.2	7.3	7.3	23	83	26	30	45	46	29	23	25
6	12.4	7.1	8.1	15.7	69	24	30	46	45	29	22	25
7	12.2	7.2	8.1	12.5	45	28	31	47	45	29	22	25
8	10.9	7.5	8.5	11.6	41	26	79	48	44	28	22	24
9	11.1	11.4	8.2	21	32	26	68	50	44	29	22	24
10	11.1	13.4	8.4	17.1	29	25	51	60	42	30	21	24
11	11.1	12.7	8.8	13.4	29	25	44	51	41	29	21	23
12	10.6	12.2	15.1	12.2	26	27	42	52	41	29	23	23
13	10.5	11.5	35	11.8	25	30	43	52	41	29	26	23
14	11.3	11.4	58	12.6	25	29	45	51	40	27	29	23
15	11.2	10.7	23	20	24	31	51	49	40	30	28	23
16	11.4	12.1	13.7	14.8	23	31	52	50	39	31	28	23
17	13.9	12.3	12.2	13.3	23	30	45	49	38	30	27	22
18	17.2	11.7	9.6	17.4	24	31	44	48	37	30	26	22
19	11.0	12.5	10.0	14.1	25	31	44	47	36	30	24	25
20	9.8	10.2	9.6	15.3	25	30	45	48	36	28	23	26
21	7.8	9.4	9.2	12.6	25	31	47	50	36	28	23	24
22	8.4	9.7	9.3	11.7	25	29	46	51	35	28	23	24
23	7.5	9.0	8.6	12.8	27	29	52	50	35	28	44	23
24	8.1	9.0	8.3	13.6	26	30	56	52	35	27	53	23
25	7.6	11.0	8.4	16.7	24	29	56	51	33	27	22	23
26	7.2	13.0	9.2	16.7	24	28	53	51	33	26	22	24
27	6.9	12.8	8.6	16.0	22	30	52	52	32	26	26	22
28	6.3	8.4	10.3	16.7	24	30	53	51	33	25	27	22
29	6.0	8.2	9.7	16.7	-	30	59	52	32	24	25	22
30	5.5	8.2	8.4	16.6	-	30	56	52	32	24	24	22
31	5.8	-	8.8	17.7	-	30	-	50	-	24	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	306.8	17.2	5.5	9.90	609
November	297.3	13.4	6.1	9.91	590
December	374.9	58	7.3	12.1	744
Calendar year 1934	5,261.3	197	5.5	14.4	10,440
January	444.7	23	7.6	14.3	882
February	835.8	83	16.3	29.8	1,660
March	878	31	24	28.3	1,740
April	1,393	79	29	46.4	2,760
May	1,544	53	45	49.8	3,060
June	1,177	48	32	39.2	2,330
July	881	32	24	28.4	1,750
August	795	53	21	25.6	1,580
September	703	26	22	23.4	1,390
Water year 1934-35	9,630.5	83	5.5	26.4	19,100

Mill Creek power canals nos. 2 and 3 near Craftonville, Calif.

Location.- At Southern California Edison Co.'s power plant, lat. 34°3'10", long. 117°2' 25", in NE¼ sec. 13, T. 1 S., R. 2 W., near Redlands-Bear Valley highway, 5 miles northeast of Craftonville.

Records available.- January 1919 to September 1935.

Average discharge.- 16 years, 20.7 second-feet.

Extremes.- 1919-35: Maximum mean daily discharge, 36 second-feet Nov. 19, 1923, and June 7, 1924; no flow May 27, 1923.

Remarks.- Discharge computed from weir records at tailrace of power plant. Mill Creek power canal no. 2 diverts from Mill Creek in sec. 8, T. 1 S., R. 1 W. Headworks of canal no. 3 are in sec. 13, T. 1 S., R. 1 W., about 3 miles above intake for canal 2. The canals serve power plants nos. 2 and 3, which discharge into a common tailrace. Records furnished by Southern California Edison Co., Ltd.

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	10.7	5.6	8.2	7.4	16.2	22	27	32	32	29	23	19.2
2	10.4	5.8	8.2	7.4	14.7	23	27	32	32	29	23	19.2
3	10.1	5.8	8.2	7.2	14.8	23	28	31	32	29	22	19.2
4	10.2	5.8	7.8	7.4	21	23	26	31	32	29	22	19.8
5	10.8	5.8	7.1	11.4	22	23	28	31	32	27	22	21
6	12.0	5.8	7.8	9.6	25	22	28	31	32	27	21	21
7	11.8	5.8	7.8	9.6	26	24	29	32	32	27	21	21
8	10.5	5.8	8.2	9.6	26	22	23	6.2	32	27	21	21
9	10.7	9.3	7.8	17.4	25	22	32	7.5	32	27	21	22
10	10.7	12.6	7.6	14.1	24	22	29	7.3	31	27	20	22
11	10.7	12.0	7.8	11.4	24	22	27	7.3	31	26	20	22
12	10.2	11.6	10.8	10.4	22	24	31	7.3	31	26	22	22
13	10.1	11.0	16.2	10.2	23	27	31	7.3	31	26	16.6	22
14	10.9	10.9	10.2	11.0	23	26	31	19.8	31	25	22	22
15	10.8	10.2	14.4	11.9	22	28	31	32	31	27	23	22
16	11.1	11.6	10.8	11.9	21	28	30	32	31	27	23	22
17	13.7	11.8	10.2	11.0	21	27	30	32	31	27	23	21
18	13.9	11.2	8.3	14.5	22	28	31	32	31	27	23	21
19	10.4	12.4	8.1	11.6	23	28	30	32	31	27	21	21
20	9.6	10.2	7.6	13.0	23	27	32	32	31	26	22	22
21	7.6	9.4	7.7	10.7	23	28	32	32	31	26	22	23
22	8.2	9.7	8.0	9.9	25	26	28	32	31	26	22	23
23	7.2	9.0	8.0	10.9	24	25	32	32	31	26	19	22
24	6.6	9.0	8.0	11.6	24	26	31	32	31	25	21	22
25	6.6	11.0	7.8	14.8	22	25	32	32	30	25	19.8	22
26	6.4	13.0	7.6	15.2	22	25	32	32	30	24	19.9	23
27	6.2	12.8	7.6	14.5	20	27	32	32	30	24	19.9	21
28	5.8	8.4	7.7	15.2	22	27	32	32	30	24	19.6	21
29	5.8	8.2	8.3	15.2	-	27	32	32	30	23	21	21
30	5.4	8.2	7.6	15.1	-	27	31	32	29	23	22	21
31	5.4	-	7.6	16.2	-	27	-	32	-	23	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	290.5	13.9	5.4	9.37	576
November	279.7	13.0	5.6	9.32	555
December	269.0	16.2	7.1	8.68	534
Calendar year 1934	4,645.3	24	5.4	12.7	9,210
January	367.3	17.4	7.2	11.8	729
February	618.7	26	14.7	22.1	1,230
March	781	28	22	25.2	1,550
April	697	32	23	23.9	1,780
May	826.7	32	6.2	26.7	1,640
June	932	32	29	31.1	1,850
July	811	29	23	26.2	1,610
August	659	23	16.8	21.3	1,310
September	641.4	23	19.2	21.4	1,270
Water year 1934-35	7,373.3	32	5.4	20.2	14,630

Mill Creek power canal no. 1 near Craftonville, Calif.

Location.- Water-stage recorder, lat. 34°5'10", long. 117°2'25", just above weir in NE¼ sec. 13, T. 1 S., R. 2 W., a quarter of a mile below intake on Mill Creek and 5 miles northeast of Craftonville

Records available.- January 1919 to September 1935.

Average discharge.- 16 years, 2.56 second-feet.

Remarks.- Records good. Discharge determined from weir formula. This canal diverts from Mill Creek in NE¼ sec. 13, T. 1 S., R. 2 W., just above gaging station on Mill Creek near Craftonville. After going through Mill Creek power house no. 1 water is distributed for irrigation.

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	0.4	0.5	0	0.4	1.5	2.2	2.5	5.1	7.1	2.8	1.3	4.9
2	.3	.6	0	.4	2.1	3.1	2.3	5.1	6.4	2.8	1.2	3.6
3	.3	1.2	0	.4	1.5	2.8	2.3	4.5	6.4	2.8	1.2	3.8
4	.4	1.0	.1	.5	.8	2.6	2.2	4.7	8.8	2.1	1.0	4.3
5	.4	1.3	.2	.3	0	2.6	2.2	5.6	13.8	1.9	1.0	4.1
6	.4	1.3	.3	.6	0	2.5	2.2	5.1	13.0	1.8	1.0	4.0
7	.4	1.4	.3	0	0	3.6	2.3	7.3	13.2	1.7	1.0	4.0
8	.4	1.7	.3	0	0	3.8	.8	8.2	12.2	1.5	1.0	2.8
9	.4	2.1	.4	0	.5	3.6	4.9	14.3	11.7	2.2	1.0	2.3
10	.4	.8	.8	0	1.1	3.3	2.4	20	10.5	3.0	.8	1.7
11	.4	.7	.3	0	2.0	3.1	2.4	20	8.4	3.0	.7	1.4
12	.4	.6	0	0	2.8	3.0	2.8	21	9.3	3.0	.7	1.3
13	.4	.5	0	0	2.3	3.0	2.5	22	9.8	2.8	.4	1.3
14	.4	.5	0	.2	2.2	2.8	2.2	14.8	9.3	2.2	1.9	.9
15	.4	.5	0	.1	2.2	2.8	3.0	8.6	8.8	2.5	4.2	.9
16	.3	.5	0	0	2.2	2.6	2.1	8.1	7.9	3.6	5.1	.8
17	.2	.5	0	0	2.2	2.6	3.0	6.0	7.1	3.1	4.0	1.0
18	0	.5	0	1.6	2.1	2.6	5.2	5.1	6.2	2.8	3.4	1.3
19	.1	.1	.6	1.2	2.1	2.8	5.6	5.1	5.4	2.6	2.5	.6
20	0	0	.9	1.2	2.1	2.8	4.3	6.4	5.1	2.5	.9	1.0
21	0	0	.4	.8	2.1	2.6	6.6	6.6	4.5	2.2	.8	1.2
22	0	0	.2	.5	2.1	1.1	5.9	7.7	4.0	2.1	.8	.9
23	.1	0	.3	.6	2.6	1.4	5.6	7.5	3.8	1.9	.8	.7
24	.4	0	.3	.6	2.5	3.0	5.6	7.1	3.6	1.7	2.9	.7
25	.5	0	.1	1.1	2.3	2.6	4.0	7.7	3.0	1.7	2.1	.9
26	.6	0	.3	1.5	2.1	2.5	5.2	7.1	2.6	1.7	2.4	.9
27	.7	0	.5	1.5	2.2	2.5	4.0	5.6	2.5	1.5	5.6	.8
28	.5	0	0	1.5	2.2	2.5	6.2	8.4	2.8	1.4	7.5	.6
29	.2	0	.3	1.5	-	2.5	4.7	8.8	2.5	1.4	4.0	.7
30	.1	0	.3	1.5	-	2.5	4.7	8.6	2.5	1.4	2.3	.5
31	.4	-	.3	1.5	-	2.5	-	7.3	-	1.3	3.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9.9	0.7	0	0.32	20
November	16.3	2.1	0	.54	32
December	7.2	.9	0	.23	14
Calendar year 1934	254.1	8.8	0	.70	503
January	19.5	1.6	0	.63	39
February	47.8	2.8	0	1.71	95
March	83.9	3.8	1.1	2.71	166
April	109.7	6.6	.8	3.66	218
May	279.4	22	4.5	9.01	554
June	212.2	13.8	2.5	7.07	421
July	69.0	3.6	1.3	2.23	137
August	67.1	7.5	.7	2.16	133
September	53.9	4.9	.5	1.80	107
Water year 1934-35	975.9	22	0	2.67	1,940

Plunge Creek near East Highlands, Calif.

Location.- Water-stage recorder, lat. 34°07'10", long. 117°08'30", in NE¼NE¼ sec. 1, T. 1 S., R. 3 W., at mouth of canyon at crossing of North Fork Ditch siphon, 2 miles northeast of East Highlands. Altitude, about 1,625 feet.

Drainage area.- 16.9 square miles.

Records available.- January 1919 to September 1935.

Average discharge.- 16 years, 5.41 second-feet.

Extremes.- Maximum discharge during year, 281 second-feet Jan. 9 (gage height, 2.04 feet); no flow for several months during year.
1919-35: Maximum discharge, 1,420 second-feet Feb. 16, 1927 (gage height, 3.80 feet); no flow for several months each year.

Remarks.- Records good. Irrigation diversions 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	0	0.2	1.6	*8.5	6	10	13	0.2			
2	0	0	.1	1.6	*8	9.5	9.5	14	.1			
3	0	0	.1	1.9	*9	8	9	14	.1			
4	0	0	.1	2.8	*16	6.5	9	8.5	0			
5	0	0	.1	34	*35	14	8.5	5.5	0			
6	0	0	.2	17	*70	9	8	4.7	0			
7	0	0	.2	11	52	15	8	4.5	0			
8	0	0	.2	7.5	52	21	62	2.3	0			
9	0	0	.3	61	44	18	40	1.3	0			
10	0	0	.2	58	35	15	25	1.8	0			
11	0	0	.2	26	27	14	20	1.9	0			
12	0	0	.6	19	21	14	17	1.9	0			
13	0	0	23	12	17	15	15	3.4	0			
14	0	0	94	6.5	15	17	13	2.2	0			
15	0	0	26	45	13	18	12	1.3	0			
16	0	0	8	19	11	15	12	1.3	0			
17	0	.2	*5	16	9.5	13	11	2.3	0			
18	3.4	.6	*3	16	8.5	12	9	1.8	0			
19	3.4	.6	*2	24	8.5	15	8	.9	0			
20	1.1	.4	*1.5	16	8.5	13	8	*.1	0			
21	.3	.3	*1.2	14	8.5	12	8	*.1	0			
22	.1	.2	*1.0	14	8	11	7.5	0	0			
23	0	.2	*.8	14	8.5	11	8.5	0	0			
24	0	.2	*.8	13	7.5	13	7.5	0	0			
25	0	.2	*.6	13	6	12	6	0	0			
26	0	.2	.6	11	6	11	6	.3	0			
27	0	.1	.6	11	6	11	6	.4	0			
28	0	.1	2.6	11	6	11	6	.4	0			
29	0	.1	3.6	*10	-	11	11	.4	0			
30	0	.1	3.0	*9	-	11	17	.4	0			
31	0	-	2.2	*8.5	-	11	-	.4	0			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8.3	3.4	0	0.27	16
November	3.5	.6	0	.12	6.9
December	182.0	94	.1	5.87	361
Calendar year 1934	816.3	282	0	2.24	1,620
January	524.4	61	1.6	16.9	1,040
February	525	70	6	18.8	1,040
March	393	21	6	12.7	780
April	397.5	62	6	13.2	788
May	89.1	14	0	2.87	177
June	.4	.2	0	.01	.8
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	2,123.2	94	0	5.82	4,210

*Estimated.

Note.- No flow during months left blank.

San Timoteo Creek near Redlands, Calif.

Location.- Water-stage recorder, lat. 34°01'55", long. 117°12'30", in NW¼NW¼ sec. 4, T. 2 S., R. 3 W., 2 miles southwest of Redlands. Altitude, about 1,260 feet. Prior to Oct. 30, 1934, 2 miles upstream, in NE¼ sec. 10, T. 2 S., R. 3 W., 2⅝ miles south of Redlands. Altitude, about 1,425 feet.

Drainage area.- 118 square miles (at former location).

Records available.- October 1926 to September 1935.

Extremes.- Maximum discharge during year, 2,400 second-feet Aug. 13 (gage height, 6.0 feet); no flow several months.
1926-35: Maximum discharge estimated, 3,000 second-feet Feb. 16, 1927; no flow several months each year.

Remarks.- Records fair. Except during high water entire flow is diverted above station. The records from the two locations are comparable.

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	0	0	0	0			0	
2			0	0	0	2.3	0	0			0	
3			0	0	0	*.2	0	*5			0	
4			0	0	0	*.2	0	0			0	
5			0	46	1.0	*.2	0	0			0	
6			0	0	20	*.2	0	0			0	
7			0	0	.5	2.6	0	0			0	
8			0	0	2.8	.8	6	0			0	
9			0	.4	0	0	*.1	0			0	
10			0	.4	0	0	0	0			0	
11			0	.3	0	0	0	0			0	
12			0	.2	0	0	0	0			0	
13			12	0	0	0	0	0			160	
14			17	.2	0	0	0	0			0	
15			0	13	0	0	0	0			0	
16			0	0	0	0	0	0			0	
17			0	0	0	0	0	0			0	
18			0	.1	0	0	0	0			0	
19			0	18	0	0	0	0			0	
20			0	0	0	0	0	0			0	
21			0	0	0	0	0	0			0	
22			0	0	0	0	0	0			0	
23			0	0	0	0	0	0			0	
24			0	0	0	0	0	0			0	
25			0	0	0	0	0	0			10	
26			0	0	0	0	0	0			0	
27			0	0	0	0	0	0			16	
28			0	0	0	0	0	0			0	
29			0	0	-	0	0	0			0	
30			0	0	-	0	0	0			0	
31			0	0	-	0	-	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	29	17	0	.94	58
Calendar year 1934	60.1	17	0	.16	120
January	78.6	46	0	2.54	156
February	24.3	20	0	.87	48
March	6.5	2.6	0	.21	13
April	6.1	6	0	.20	12
May	5	5	0	.16	9.9
June	0	0	0	0	0
July	0	0	0	0	0
August	186	160	0	6.0	369
September	0	0	0	.92	665
Water year 1934-35	335.5	160	0	.16	120

*Estimated.

Note.- No flow during months left blank.

Warm Creek near Colton, Calif.

Location.- Water-stage recorder, lat. 34°04', long. 117°18'30", in San Bernardino grant, at Colton Avenue highway bridge, 1½ miles east of Colton, San Bernardino County.

Records available.- August 1920 to September 1935.

Average discharge.- 15 years, 50.6 second-feet. Average combined discharge, Warm Creek and Meeks & Daley Canal, 15 years, 80.8 second-feet.

Extremes.- Maximum discharge during year, 592 second-feet Oct. 18 (gage height, 6.56 feet); minimum, 2.1 second-feet Sept. 28.
1920-35: Maximum discharge, 2,780 second-feet Dec. 21, 1922; minimum, that of Sept. 28, 1935.

Remarks.- Records good. See record for Meeks & Daley Canal, which diverts above station. City of San Bernardino sewage disposal plant discharged 4,110 acre-feet into Warm Creek above station during year. Results of several discharge measurements furnished by city of San Bernardino.

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	4.0	16	26	32	36	34	36	18	9	5	4.9	4.6
2	4.0	16	26	33	37	64	35	18	9	5.5	4.9	4.6
3	3.9	16	26	33	35	45	35	18	9	5.5	5	4.8
4	3.8	15	27	37	58	42	36	16	8.5	5.5	4.7	5
5	3.9	16	27	105	102	44	39	16	8	5	5	5
6	3.9	13	27	36	95	42	36	12	8.5	5	5	5
7	3.8	6	26	35	62	75	35	12	9	4.9	4.3	4.8
8	4.0	6	24	33	66	50	137	11	10	6	4.3	4.4
9	3.8	6	20	63	56	47	*50	11	8.5	6.5	4.6	4.8
10	3.9	6	20	58	51	44	42	12	8	6	4.4	4.6
11	4.0	5.5	19	45	49	44	39	12	7.5	6	4.4	4.6
12	4.1	6	31	42	46	44	37	11	7	6	5	4.6
13	4.4	6	72	40	44	42	36	11	6.5	6.5	4.9	4.4
14	4.2	6	89	37	42	42	35	11	6.5	6	5	4.0
15	4.9	6	45	99	42	41	35	12	6.5	6.5	5	3.7
16	5	20	39	*46	42	39	33	12	6.5	6	5	4.4
17	37	22	36	*40	42	36	30	12	6.5	5.5	5.5	4.4
18	122	22	34	*46	41	36	30	11	7	5.5	5	4.2
19	20	22	35	*52	39	40	*25	11	*6.5	5	5	4.2
20	16	21	*34	43	39	38	*16	11	6	5	4.9	4.4
21	16	20	*33	39	37	37	*19	11	6	5.5	4.3	4.4
22	16	20	*33	39	36	37	19	10	6.5	5.5	4.4	3.8
23	13	22	32	38	35	36	19	9	6.5	5.5	4.0	3.8
24	17	24	32	38	38	49	18	8.5	7	5.5	14	3.8
25	16	24	32	38	38	44	16	8	7	5.5	5.5	3.7
26	16	24	32	37	36	44	15	7	6.5	5.5	14	3.8
27	16	26	33	36	34	43	13	8	6	5	5	3.5
28	16	26	36	36	34	41	14	8	5	4.3	4.4	3.4
29	16	26	34	38	-	37	20	9	5	4.4	4.4	3.7
30	16	26	33	37	-	37	20	8	5	4.6	4.6	4.0
31	16	-	33	37	-	41	-	8	-	4.7	4.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	437.6	122	3.8	14.1	868
November	490.5	26	5.5	16.4	973
December	1,046	89	19	33.7	2,070
Calendar year 1934	6,406.7	472	3.4	17.6	12,690
January	1,368	120	32	44.6	2,710
February	1,316	102	34	47.0	2,610
March	1,335	75	34	43.1	2,650
April	972	137	13	32.4	1,930
May	354.5	18	7	11.4	703
June	214.5	10	5	7.15	425
July	168.9	6.5	4.3	5.45	335
August	166.0	14	4.0	5.35	329
September	128.4	5	3.4	4.28	255
Water year 1934-35	7,997.4	137	3.4	21.9	15,890

*Estimated.

Warm Creek near Colton, Calif.

(Continued)

Combined discharge, in second-feet, of Warm Creek and Meeks & Daley Canal near Colton, Calif., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	22	26	32	38	38	41	35	27	21	21	22
2	21	22	26	33	41	66	41	36	28	22	23	22
3	21	22	26	33	42	45	41	35	27	22	23	22
4	21	21	27	37	63	42	41	34	26	22	22	23
5	20	21	27	105	104	44	39	32	24	21	22	23
6	22	21	27	36	96	42	38	29	26	21	22	23
7	21	23	27	35	62	75	38	30	27	21	21	23
8	22	22	28	33	68	50	137	29	28	21	21	22
9	21	22	26	63	56	47	50	30	26	22	21	22
10	21	22	29	58	51	44	43	30	26	22	22	22
11	22	22	27	45	49	44	40	29	25	22	22	22
12	22	23	37	42	46	44	39	28	25	22	23	22
13	22	23	72	40	44	42	38	29	23	25	22	22
14	23	22	89	37	42	42	38	29	24	25	23	21
15	23	23	45	99	42	41	39	30	23	25	23	21
16	23	28	39	46	42	42	38	29	24	24	23	22
17	54	25	36	40	42	41	35	30	23	25	23	22
18	122	24	34	46	41	41	36	29	24	24	23	21
19	23	24	35	52	39	45	36	29	23	24	23	21
20	21	22	34	43	40	43	36	28	22	23	23	22
21	21	21	33	39	40	42	36	29	22	23	22	22
22	21	20	33	39	39	41	36	28	23	22	22	21
23	21	22	32	38	38	40	35	27	23	22	22	21
24	22	24	32	38	39	54	34	27	23	22	31	21
25	23	24	32	38	38	44	31	26	23	23	25	21
26	23	24	32	37	38	44	31	25	22	23	32	21
27	23	26	33	36	38	43	31	26	22	22	22	20
28	23	26	36	36	38	42	32	25	21	22	22	21
29	22	26	34	38	-	41	37	28	20	22	22	22
30	22	26	33	37	-	42	38	26	21	22	23	22
31	22	-	33	37	-	47	-	26	-	22	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	809	122	20	26.1	1,600
November	693	28	20	23.1	1,370
December	1,080	89	26	34.8	2,140
Calendar year 1934	10,909.5	478	16.3	29.9	21,620
January	1,368	105	32	44.1	2,710
February	1,366	104	38	48.4	2,690
March	1,398	75	38	45.1	2,770
April	1,225	137	31	40.8	2,430
May	903	36	25	29.1	1,790
June	721	28	20	24.0	1,430
July	699	25	21	22.5	1,390
August	709	31	21	22.9	1,410
September	652	23	20	21.7	1,290
Water year 1934-35	11,613	137	20	31.8	23,000

Strawberry Creek near Arrowhead Springs, Calif.

Location.- Water-stage recorder, lat. 34°10'45", long. 117°15'55", in SE¼ sec. 11, T. 1 N., R. 4 W., above Del Rosa Water Co.'s lower diversion dam, half a mile south of Arrowhead Springs. Altitude, about 1,650 feet.

Drainage area.- 8.6 square miles.

Records available.- December 1919 to September 1935.

Average discharge.- 15 years (1920-35), 3.73 second-feet.

Extremes.- Maximum discharge during year, 118 second-feet Dec. 14 (gage height, 3.00 feet); minimum, less than 0.1 second-foot at times during October, July, August, and September.
1919-35: Maximum discharge, 408 second-feet Jan. 2, 1922; practically no flow at times during 1929, 1931-34.

Remarks.- Records good. During year Del Rosa Water Co. diverted about 200 acre-feet above station. There is another small diversion for domestic use 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	0.1	0.9	1.1	2.5	3.0	2.4	3.2	7	2.1	1.3	0.1	0.1
2	.1	.8	1.1	2.3	3.0	3.6	3.2	7	1.7	1.7	.1	.1
3	.1	.9	1.1	2.0	3.0	3.4	3.3	5.5	1.6	1.7	.1	.2
4	.2	*.8	1.1	2.2	4.2	4.8	3.4	4.2	1.7	1.6	.1	.1
5	.1	*.7	1.1	15	13	11	3.3	3.6	1.5	1.0	.1	.1
6	.1	*.7	1.0	8.5	21	7.5	3.2	3.6	1.5	.9	.1	.1
7	.1	*.7	1.0	6	12	14	3.4	3.7	1.6	.9	.1	.1
8	.1	*.8	1.1	5	13	15	24	3.8	1.6	1.0	.1	.1
9	.1	*.6	1.0	16	11	12	14	3.7	1.5	.6	.1	.1
10	.1	*.6	1.0	17	9	10	10	3.3	1.5	.6	.1	.1
11	.2	*.6	1.1	12	7.5	8.5	9	3.2	1.3	.6	.1	.1
12	.1	*.6	2.1	9	6.5	7.5	8	3.3	1.0	.5	.1	.1
13	.1	*.6	17	6	5.5	7	7	3.2	1.1	.4	.1	.1
14	.1	*.6	55	5	5	6.5	7	3.2	1.1	.3	.1	.1
15	.1	.6	14	18	4.6	6	7	3.1	1.1	.3	.2	.1
16	.1	1.2	8.5	10	4.2	6	6.5	3.0	1.4	.3	.1	.1
17	4.6	2.2	8	9	3.8	5.5	6	3.1	1.1	.2	.1	.2
18	17	2.7	7	10	3.4	5	5	2.8	.8	.2	.1	.1
19	3.3	4.2	6.5	12	3.1	5.5	4.6	2.7	.8	.2	.1	.1
20	1.4	3.3	5.5	8.5	3.1	5	4.4	2.3	1.0	.2	.1	.1
21	.8	3.6	4.6	7.5	3.1	5	4.4	2.1	.8	.2	.1	.1
22	.8	2.5	3.8	7	3.1	4.6	4.4	2.1	.8	.2	.1	.1
23	.6	1.4	3.0	6.5	3.3	4.0	4.6	2.2	.8	.3	.1	.1
24	.5	1.3	2.4	6	3.2	5.5	4.2	2.2	.9	.1	.1	.1
25	.5	1.5	2.2	5	3.1	4.4	3.7	2.1	.9	.1	.1	.1
26	.5	1.2	2.0	4.8	2.8	4.2	3.6	2.0	.8	.1	.1	.1
27	.5	1.3	2.2	4.4	2.6	4.0	3.7	2.2	.6	.1	.1	.1
28	.5	1.1	4.2	3.8	2.6	3.6	3.8	2.6	.6	.1	.1	.1
29	.5	1.3	3.6	3.7	-	3.6	6.5	2.7	.8	.1	.1	.1
30	.5	1.2	3.1	3.3	-	3.4	12	2.4	.9	.1	.1	.1
31	.6	-	2.8	3.1	-	3.3	-	2.4	-	.1	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34.4	17	0.1	1.11	68
November	40.3	4.2	.6	1.34	80
December	169.2	55	1.0	5.46	336
Calendar year 1934	674.4	130	.1	1.85	1,340
January	231.1	18	2.0	7.45	458
February	162.7	21	2.6	5.81	323
March	192.0	15	2.4	6.19	381
April	186.4	24	3.2	6.21	370
May	100.5	7	2.0	3.24	199
June	34.9	2.1	.6	1.16	69
July	16.0	1.7	.1	.52	32
August	3.2	.2	.1	.10	6.3
September	3.2	.2	.1	.11	6.3
Water year 1934-35	1,173.9	55	.1	3.22	2,330

*Estimated.

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Waterman Canyon Creek near Arrowhead Springs, Calif.

Location.- Water-stage recorder, lat. 34°11'35", long. 117°16'35", in SW¼SW¼ sec. 2, T. 1 N., R. 4 W., 600 feet above old tollhouse and 1 mile northwest of Arrowhead Springs. Altitude, about 2,125 feet (figure published in former reports erroneous).

Drainage area.- 4.55 square miles.

Records available.- November 1911 to October 1914, December 1919 to September 1935.

Average discharge.- 17 years (1912-14, 1920-35), 2.53 second-feet.

Extremes.- Maximum discharge during year, 73 second-feet Dec. 14 (gage height, 3.05 feet); minimum, less than 0.1 second-foot during October and September.
1920-35: Maximum discharge, 164 second-feet Jan. 2, 1922; no flow at times during summer in 1924-26, 1928-29, 1931, 1934.

Remarks.- Records good. Small diversion for domestic use above station. Results of several discharge measurements furnished by city of San Bernardino.

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	0.5	0.5	1.3	2.5	2.1	2.5	3.8	1.7	1.0	0.4	0.2
2	.1	.5	.5	1.2	2.5	3.8	2.5	3.8	1.6	1.0	.4	.2
3	.1	.4	.5	1.2	2.3	3.5	2.5	3.2	1.4	1.0	.4	.2
4	.1	.4	.5	1.3	3.2	4.9	2.7	2.9	1.4	.8	.3	.2
5	.1	.3	.5	14	6.5	4.5	2.5	2.9	1.3	.8	.3	.2
6	.2	.3	.5	4.1	7	3.2	2.3	2.9	1.3	.8	.2	.2
7	.2	.3	.5	2.1	5.5	6	2.9	3.2	1.3	.8	.2	.2
8	.2	.3	.5	2.7	6	4.9	23	3.2	1.2	.8	.2	.2
9	.1	.2	.5	9.5	4.9	3.8	14	2.9	1.1	.7	.2	.2
10	.1	.2	.5	6	4.9	3.8	7	2.9	1.1	.7	.2	.1
11	.1	.2	*.5	4.5	4.9	4.1	4.5	2.9	1.1	.7	.2	.1
12	.1	.3	*.5	2.9	4.1	3.8	4.5	2.9	1.1	.6	.2	.1
13	.1	.3	7.5	2.7	3.2	3.8	4.1	2.9	1.1	.6	.2	.1
14	.2	.3	38.0	2.3	3.2	3.8	4.1	2.9	1.1	.5	.2	.1
15	.2	.3	7	14	3.5	3.8	4.1	2.9	1.1	.5	.3	.1
16	.3	1.0	4.4	5.5	3.2	3.8	4.1	2.9	1.1	.5	.3	.1
17	9	1.4	*2.5	4.5	2.9	3.8	4.1	2.7	1.0	.5	.4	.1
18	6.5	1.2	*2.0	4.5	2.7	3.8	3.8	2.3	1.0	.5	.3	.2
19	1.3	1.0	*1.8	5.5	2.5	4.1	4.1	2.1	1.0	.5	.2	.2
20	.7	.8	*1.6	4.9	2.5	3.8	3.8	2.1	.9	.4	.2	.3
21	.5	.7	*1.5	3.5	2.5	3.8	3.8	2.1	.9	.4	.2	.3
22	.5	.6	1.4	3.2	2.3	3.5	3.8	2.1	.9	.4	.2	.2
23	.4	.6	1.4	3.2	2.5	3.5	3.8	2.1	.9	.5	.2	.2
24	.4	.6	1.3	2.9	2.5	4.9	3.5	2.1	.9	.5	.2	.2
25	.4	.6	1.3	2.7	2.3	*3.2	3.5	2.3	.9	.4	.3	.3
26	.3	.5	1.2	2.7	2.1	*2.9	3.5	2.1	.9	.4	.4	.2
27	.3	.5	1.0	2.5	2.1	*2.7	3.8	2.1	.8	.5	.5	.1
28	.3	.5	2.7	2.8	2.1	2.5	3.8	2.1	.8	.5	.5	.1
29	.4	.5	1.6	2.5	-	2.3	6	2.1	.8	.4	.4	.1
30	.4	.5	1.4	2.5	-	2.5	6.5	2.1	.8	.5	.2	.1
31	.4	-	1.4	2.5	-	2.5	-	1.8	-	.5	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	24.1	9	0.1	0.78	48
November	15.8	1.4	.2	.53	31
December	87.0	38	.5	2.81	173
Calendar year 1934	403.91	65	-	1.11	801
January	125.4	14	1.2	4.05	249
February	96.4	7	2.1	3.44	191
March	113.4	4.9	2.1	3.66	225
April	145.1	23	2.3	4.84	288
May	81.3	3.8	1.8	2.62	161
June	32.5	1.7	.8	1.08	64
July	18.7	1.0	.4	.60	37
August	8.6	.5	.2	.28	17
September	5.1	.3	.1	.17	10
Water year 1934-35	753.4	38	.1	2.06	1,490

*Estimated.

City Creek near Highland, Calif.

Location.- Water-stage recorder, lat. 34°08'20", long. 117°11'25", in NW¼SW¼ sec. 27, T. 1 N., R. 3 W., 1¼ miles northeast of Highland. Altitude, about 1,520 feet.

Drainage area.- 19.8 square miles.

Records available.- October 1919 to September 1935.

Average discharge.- 16 years, 7.58 second-feet.

Extremes.- Maximum discharge during year, 166 second-feet Jan. 9 (gage height, 6.88 feet); no flow for several months.
1919-35: Maximum discharge, 2,360 second-feet Apr. 5, 1926; no flow for several months each year except 1923.

Remarks.- Records good. See record for City Creek Water Co.'s canal, which diverts water 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	0	0.3	7	5.5	3.3	S	19	0.1			
2	0	0	.3	6	5	11	8.5	18	0			
3	0	0	.4	5.5	6.5	11	7.5	15	0			
4	0	0	.5	6	12	11	7	13	0			
5	0	0	.5	30	29	19	6.5	12	0			
6	0	0	.3	26	64	14	6.5	10	0			
7	0	0	.1	16	40	27	9	7	0			
8	0	0	.1	14	40	31	64	7	0			
9	0	0	.1	53	35	22	39	6.5	0			
10	0	0	.1	50	26	19	26	6	0			
11	0	0	.1	26	24	18	22	5.5	0			
12	0	0	1.2	19	22	18	19	5.5	0			
13	0	0	34	13	19	18	17	5.5	0			
14	0	0	84	12	16	19	15	5	0			
15	0	0	37	41	16	16	14	3.1	0			
16	0	.1	16	23	14	15	14	2.8	0			
17	1.6	.5	7.5	20	13	14	12	2.8	0			
18	37	.5	5.5	23	12	13	11	2.6	0			
19	8	.9	3.7	28	12	15	11	2.0	0			
20	3.5	.5	2.6	19	11	15	12	1.8	0			
21	2.0	.2	2.0	16	10	14	12	1.3	0			
22	1.6	.1	1.7	16	10	14	12	.4	0			
23	.7	.1	1.3	16	11	13	12	.1	0			
24	0	.1	1.2	15	10	15	11	.1	0			
25	0	.1	.7	15	7	14	7.5	.1	0			
26	0	.1	.5	14	3.9	14	5	.1	0			
27	0	.1	.5	12	3.7	13	5	.1	0			
28	0	.1	7.5	10	3.5	11	5.5	.3	0			
29	0	.2	11.0	8.5	-	9	13	.4	0			
30	0	.3	9	7.5	-	7.5	24	.3	0			
31	0	-	7.5	6.5	-	7.5	-	.1	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	54.4	37	0	1.75	108
November	3.9	.9	0	.13	7.7
December	237.2	84	.1	7.65	470
Calendar year 1934	905.8	245	0	2.48	1,800
January	574	53	5.5	18.5	1,140
February	481.1	64	3.5	17.2	954
March	461.3	31	3.3	14.9	915
April	436	64	5	14.5	865
May	153.4	19	.1	4.95	304
June	.1	.1	0	.003	.2
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	2,401.4	64	0	6.58	4,760

Note.- No flow during months left blank.

City Creek Water Co.'s canal near Highland, Calif.

Location.- Water-stage recorder, lat. 34°08'35", long. 117°11'25", in NW¼ sec. 27, T. 1 N., R. 3 W., 1⅛ miles northeast of Highland.

Records available.- May 1924 to September 1935.

Average discharge.- 11 years, 1.87 second-feet.

Extremes.- Maximum discharge during year, 7.1 second-feet May 23 (gage height, 8.40 feet); no flow at various times.
1924-35: Maximum discharge, 10 second-feet May 30, 1927; no flow at various times.

Remarks.- Records good. This canal diverts from City Creek a quarter of a mile 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	0.1	1.3	1.7	0	*2.4	3.9	2.2	0	6	3.3	0.7	0.7
2	.1	1.5	1.6	0	*2.4	2.1	2.2	.1	5.5	3.6	.7	.7
3	.1	1.2	*1.5	*.1	*2.4	0	2.8	.6	4.8	3.4	.7	.5
4	.1	1.2	*1.5	*.1	*.1	.3	3.8	.4	5	3.0	.7	.5
5	.1	1.2	1.4	.1	*.1	.7	3.7	.7	4.9	2.7	.7	.5
6	.1	1.0	1.3	*.1	*.1	1.4	3.7	1.8	4.9	2.4	.6	.4
7	.1	1.0	1.4	*.1	*.3	1.0	1.5	4.2	4.9	2.4	.5	*.3
8	.2	1.1	1.6	*.1	*.4	.6	0	5	4.7	2.4	.4	*.3
9	.2	1.1	1.6	.1	.5	1.8	1.5	*5	4.4	2.4	.4	.3
10	.1	1.2	1.4	*.1	.5	2.9	2.4	*5.5	4.2	2.4	.5	.3
11	.1	1.2	1.3	*.1	*.5	2.5	2.2	5.5	4.0	2.1	.5	.2
12	.1	1.2	1.0	*.1	*.5	2.5	2.2	5.5	3.9	2.1	.3	.2
13	.1	1.3	.1	*.1	*.5	2.8	2.4	5.5	3.9	1.9	.4	.2
14	.1	1.3	.1	*.1	*.4	2.8	2.3	5.5	4.0	1.8	.5	.2
15	.2	1.3	0	*.1	.4	2.7	2.2	4.9	4.0	1.7	.6	.2
16	.4	1.6	1.0	*.1	.4	2.7	2.4	4.8	4.1	1.9	.8	.3
17	.8	2.4	1.8	*.1	.3	2.6	2.9	4.9	4.0	1.6	.7	.3
18	.3	2.4	1.8	.1	.3	2.6	2.9	4.7	3.6	1.5	.6	.2
19	0	2.6	1.7	*.1	.3	1.7	1.8	4.7	3.5	1.5	.5	.2
20	0	2.4	1.7	.3	.3	.3	0	4.6	3.4	1.6	.3	*.2
21	0	2.1	1.6	.9	.3	.3	0	4.7	3.3	1.5	.3	*.2
22	0	*2.0	1.4	.8	.3	.2	0	4.9	3.1	1.5	.3	*.2
23	.9	*2.0	1.4	.8	.3	.2	0	6.5	3.0	1.7	*.4	*.3
24	1.4	1.9	1.4	.8	.3	.2	0	6	2.9	1.6	*.4	*.3
25	1.3	1.9	1.4	.8	1.7	.2	*2.6	6	2.9	*1.5	*.5	*.3
26	1.2	1.9	1.6	.8	4.1	.2	*5	6	2.8	1.4	*.5	*.3
27	1.2	1.8	1.6	.8	4.2	1.2	*5	6	2.7	1.2	*.6	*.3
28	1.1	1.7	.7	2.1	4.2	2.7	5	6	2.6	1.0	*.6	*.3
29	1.1	1.7	0	2.5	-	2.5	3.4	6.5	2.8	.9	*.6	*.3
30	1.0	1.7	0	2.4	-	2.3	0	6.5	3.0	.8	.7	*.3
31	1.0	-	0	*2.4	-	2.3	-	6.5	-	.7	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13.5	1.4	0	0.44	27
November	48.2	2.6	1.0	1.61	96
December	36.6	1.8	0	1.18	73
Calendar year 1934	404.5	4.9	0	1.11	803
January	17.1	2.5	0	.55	34
February	28.5	4.2	.1	1.02	57
March	50.2	3.9	0	1.62	100
April	66.1	5	0	2.20	131
May	139.5	6.5	0	4.50	277
June	116.8	6	2.6	3.89	232
July	59.5	3.6	.7	1.92	118
August	16.7	.8	.3	.54	33
September	9.5	.7	.2	.32	19
Water year 1934-35	602.2	6.5	0	1.65	1,200

*Estimated.

Devil Canyon Creek near San Bernardino, Calif.

Location.- Water-stage recorder, lat. 34°12'5", long. 117°20'10", in Muscupiabe grant, 7.3 miles northwest of San Bernardino, San Bernardino County. Altitude, about 1,800 feet.

Drainage area.- 6.16 square miles.

Records available.- November 1911 to September 1912, October 1913 to September 1914, December 1919 to September 1935.

Average discharge.- 16 years (1913-14, 1920-35), 2.08 second-feet.

Extremes.- Maximum discharge during year, 27 second-feet Apr. 8 (gage height, 2.50 feet); no flow during several months.
1913-14, 1919-35: Maximum discharge, 220 second-feet Apr. 7, 1926; no flow several months during summers of 1924-35.

Remarks.- Records good. City of San Bernardino diverted 688 acre-feet during year above gage for city water supply and for spreading over canyon floor to increase absorption. Results of several discharge measurements furnished by city of San Bernardino.

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	1.0	0.4	1.0	2.0	0.3	0.1		
2			0	0	1.0	.5	.9	2.0	.3	.1		
3			0	0	.9	.5	.9	1.7	.3	.1		
4			0	0	.9	.5	.8	1.4	.3	.1		
5			0	0	1.9	.6	.8	1.3	.3	.1		
6			0	0	7.5	.6	.8	1.3	.2	.1		
7			0	0	4.4	.9	.7	1.1	.2	.1		
8			0	0	3.4	2.5	13	1.1	.2	.1		
9			0	0	3.2	2.6	9.5	1.1	.2	.1		
10			0	0	2.6	2.3	6	1.1	.2	.1		
11			0	0	2.2	2.1	4.7	1.0	.2	.1		
12			0	0	2.0	1.9	3.9	1.0	.2	.1		
13			0	0	1.7	1.6	3.3	.9	.2	.1		
14			*5	0	1.4	1.6	2.8	.8	.2	.1		
15			*1.0	5	1.3	1.2	2.7	.7	.2	.1		
16			0	3.4	1.1	1.2	2.6	.6	.2	.1		
17			0	3.2	1.0	1.2	2.8	.6	.2	.1		
18			0	3.0	.9	1.1	2.6	.5	.2	.1		
19			0	3.4	.8	1.1	2.3	.5	.2	.1		
20			0	2.7	.8	1.1	1.6	.5	.2	.1		
21			0	2.6	.7	1.1	1.4	.5	.2	.1		
22			0	2.3	.7	1.1	1.3	.5	.2	.1		
23			0	2.0	.6	1.0	1.1	.5	.2	.1		
24			0	1.9	.6	1.1	1.0	.5	.2	.1		
25			0	1.7	.5	1.1	1.1	.5	.1	.1		
26			0	1.6	.5	1.1	1.1	.5	.1	0		
27			0	1.5	.5	1.1	1.1	.5	.1	0		
28			0	1.3	.5	1.1	1.1	.4	.1	0		
29			0	1.2	-	1.1	1.3	.4	.1	0		
30			0	1.0	-	1.1	2.0	.4	.1	0		
31			0	1.0	-	1.1	-	.3	-	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	6.0	5	0	.19	12
Calendar year 1934	101.54	41	0	.28	201
January	38.8	5	0	1.25	77
February	44.6	7.5	.5	1.59	88
March	37.5	2.6	.4	1.21	74
April	76.4	13	.7	2.55	152
May	26.2	2.0	.3	.85	52
June	5.9	.3	.1	.20	12
July	2.5	.1	0	.08	5
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	237.9	13	0	.65	472

*Estimated.

Note.- No flow during months left blank.

Lytle Creek near Fontana, Calif.

Location.- Water-stage recorder, lat. 34°12'5", long. 117°26'50", in NW¼ sec. 6, T. 1 N., R. 5 W., unsurveyed, a quarter of a mile below Lytle Creek power plant of Southern California Edison Co. and 7⅞ miles north of Fontana.

Drainage area.- 47.9 square miles.

Records available.- October 1918 to September 1921, October 1922 to September 1935.

Average discharge.- 11 years (1919-20, 1925-35), 2.42 second-feet. Average combined discharge, creek and Fontana pipe line, 14 years (1919-20, 1922-35), 26.9 second-feet.

Extremes.- Maximum discharge during year, about 1,500 second-feet Apr. 8 (gage height, 5.80 feet); no flow most of year.
1918-21, 1922-35: Maximum discharge, about 5,300 second-feet Feb. 16, 1927 (gage height, 5.40 feet); no flow during most of each year.

Remarks.- Records poor. Daily discharge estimated Oct. 17, 18, Dec. 13, 14, Jan. 15, 16, Feb. 4-26, Mar. 12-18, Apr. 10-26. Water is diverted about 3 miles above gage for Lytle Creek power plant and is then carried across creek to headworks of Fontana pipe line, which serves Fontana power plant 4½ miles downstream.

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	0	0	0	0					
2	0		0	0	0	2.0	0					
3	0		0	0	0	7	0					
4	0		0	0	5	9.5	0					
5	0		0	73	180	10	0					
6	0		0	3.0	100	8	0					
7	0		0	0	80	9.5	0					
8	0		0	0	45	12	296					
9	0		0	40	37	9	101					
10	0		0	18	30	7.5	30					
11	0		0	1.0	17	4.3	20					
12	0		0	0	6	2.0	20					
13	0		30	0	18	1.0	20					
14	0		106	0	17	2.0	15					
15	0		0	29	11	2.0	15					
16	0		0	1.0	10	1.0	10					
17	150		0	0	9	.4	5					
18	40		0	0	5	.2	4.0					
19	0		0	0	10	0	4.0					
20	0		0	0	5	0	3.0					
21	0		0	0	4.0	0	3.0					
22	0		0	0	3.0	0	2.8					
23	0		0	0	2.0	0	2.5					
24	0		0	0	2.0	6.5	2.0					
25	0		0	0	1.2	0	1.0					
26	0		0	0	1.0	0	1.0					
27	0		0	0	0	0	0					
28	0		0	0	0	0	0					
29	0		0	0		0	0					
30	0		0	0		0	0					
31	0		0	0		0						

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	220	180	0	7.1	436
November	0	0	0	0	0
December	136	106	0	4.4	270
Calendar year 1934	688.5	246	0	1.89	1,370
January	165.0	73	0	5.32	327
February	598.2	180	0	21.4	1,190
March	93.9	12	0	3.03	186
April	555.3	296	0	18.5	1,100
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	1,768.4	296	0	4.84	3,510

Note.- No flow during months left blank.

Lytle Creek near Fontana, Calif.

(Continued)

Combined discharge, in second-feet, of Lytle Creek and Fontana pipe line near Fontana, Calif., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.8	9.6	9.0	16.7	31	40	40	50	49	36	30	41
2	11.6	8.9	8.6	15.8	31	42	40	50	49	36	32	40
3	10.9	11.6	8.8	15.9	30	47	40	50	48	37	33	41
4	11.2	14.4	8.8	18.8	43	54	41	50	46	37	32	39
5	11.6	14.0	9.0	120	228	50	40	50	47	38	33	37
6	11.6	13.6	9.0	30	141	48	41	49	48	37	33	40
7	11.5	13.4	13.6	27	112	50	41	49	46	37	34	41
8	11.6	13.2	12.8	25	79	52	296	49	45	36	34	40
9	11.5	12.9	9.0	74	86	49	138	49	43	36	35	40
10	10.9	12.8	8.8	67	78	48	80	49	44	36	37	41
11	8.8	13.0	8.8	36	67	44	70	49	39	34	36	41
12	11.2	12.4	15.5	47	56	42	70	48	38	36	36	41
13	12.0	12.0	71	42	63	41	70	48	39	35	36	41
14	13.0	12.2	155	34	56	42	65	47	40	35	34	41
15	12.6	13.2	43	77	50	42	65	47	39	34	36	41
16	12.9	13.6	30	49	50	41	60	48	38	32	36	40
17	206	9.1	25	46	49	40	55	50	38	31	37	39
18	85	11.5	23	44	45	40	54	50	37	32	37	40
19	10.0	12.0	22	47	50	40	54	50	37	31	38	40
20	7.6	10.9	22	42	45	40	53	50	36	31	40	38
21	7.2	10.0	21	43	44	40	53	50	36	32	38	39
22	11.8	10.0	20	38	43	40	53	50	37	32	39	40
23	11.6	8.8	19.5	36	42	40	52	49	38	31	39	39
24	7.2	9.6	18.3	34	42	46	52	47	38	31	39	39
25	12.8	9.1	17.5	33	41	40	51	50	37	31	39	39
26	15.1	9.1	16.7	33	41	40	51	50	37	31	40	39
27	10.6	8.8	16.2	33	40	40	50	50	37	31	39	39
28	9.1	8.3	25	32	40	40	50	50	36	31	40	39
29	8.7	9.1	18.7	33	-	40	50	50	37	31	40	39
30	8.7	8.8	17.5	31	-	40	50	49	36	31	40	38
31	8.7	-	16.9	32	-	40	-	49	-	31	40	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	603.8	206	7.2	19.5	1,200
November	335.9	14.4	8.3	11.2	666
December	720.0	155	8.6	23.2	1,430
Calendar year 1934	6,686.2	250	7.2	18.3	13,270
January	1,252.2	120	15.8	40.4	2,480
February	1,722	228	30	61.5	3,420
March	1,338	54	40	43.2	2,650
April	1,925	296	40	64.2	3,820
May	1,526	50	47	49.2	3,030
June	1,215	49	36	40.5	2,410
July	1,040	38	31	33.5	2,060
August	1,132	40	30	36.5	2,250
September	1,192	41	37	39.7	2,360
Water year 1934-35	14,001.9	296	7.2	38.4	27,780

Fontana pipe line near Fontana, Calif.

Location.- Lat. 34°9'15", long. 117°23'55", in SW¼ sec. 22 (revised), T. 1 N., R. 5 W., at Southern California Edison Co.'s power house 4 miles (revised) north of Fontana.

Records available.- October 1918 to September 1921, October 1922 to September 1935.

Average discharge.- 16 years, 25.2 second-feet.

Extremes.- 1918-21, 1922-35: Maximum mean daily discharge, 62 second-feet Mar. 25-31, Apr. 5-8, 1920; no flow Apr. 8, 1935.

Remarks.- Canal diverts practically entire flow of Lytle Creek in NW¼ sec. 6, T. 1 N., R. 5 W. (revised). This water is carried across creek to headworks of Fontana pipe line, which serves Fontana power plant about 5 miles downstream. Records of daily discharge of Fontana pipe line determined from kilowatt output of Fontana power plant, furnished by Southern California Edison Co., Ltd.

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	10.8	9.6	9.0	16.7	51	40	40	50	49	36	30	41
2	11.6	8.9	8.6	15.8	31	40	40	50	49	36	32	40
3	10.9	11.6	8.8	15.9	30	40	40	50	48	37	33	41
4	11.2	14.4	8.8	18.8	38	45	41	50	46	37	32	39
5	11.6	14.0	9.0	47	48	40	40	50	47	38	33	37
6	11.6	13.6	9.0	27	41	40	41	49	48	37	33	40
7	11.5	13.4	13.6	27	32	40	41	49	46	37	34	41
8	11.6	13.2	12.8	25	34	40	0	49	45	36	34	40
9	11.5	12.9	9.0	34	48	40	37	49	43	36	35	40
10	10.9	12.8	8.8	49	48	40	50	49	*44	36	37	41
11	8.8	13.0	8.8	35	50	40	50	49	39	34	36	41
12	11.2	12.4	15.5	47	50	40	50	48	38	36	36	41
13	12.0	12.0	41	42	45	40	50	48	39	35	36	41
14	13.0	12.2	49	34	39	40	50	47	40	35	34	41
15	12.6	13.2	43	48	39	40	50	47	39	34	36	41
16	12.9	13.6	30	48	40	40	50	48	38	32	36	40
17	26	9.1	25	46	40	40	50	50	38	31	37	39
18	45	11.5	23	44	40	40	50	50	*37	32	37	40
19	*10.0	12.0	22	47	40	40	50	50	37	31	38	40
20	7.6	10.9	22	42	40	40	50	50	36	31	40	38
21	7.2	10.0	21	43	40	40	50	50	36	32	38	39
22	11.8	10.0	20	38	40	40	50	50	37	32	39	40
23	11.6	8.8	19.5	36	40	40	50	49	38	31	39	39
24	7.2	9.6	18.3	34	40	40	50	47	38	31	39	39
25	12.8	9.1	17.5	33	40	40	50	50	37	31	39	39
26	15.1	9.1	16.7	33	40	40	50	50	37	31	40	39
27	10.6	8.8	16.2	33	40	40	50	50	37	31	39	39
28	9.1	8.3	25	32	40	40	50	50	36	31	40	39
29	8.7	9.1	18.7	33	-	40	50	50	37	31	40	39
30	8.7	8.8	17.5	31	-	40	50	49	36	31	40	38
31	8.7	-	16.9	32	-	40	-	49	-	31	40	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	383.8	45	7.2	12.4	761
November	335.9	14.4	8.3	11.2	666
December	584.0	49	8.6	18.8	1,160
Calendar year 1934	5,996.8	49	3.6	16.4	11,900
January	1,087.2	49	15.8	35.1	2,160
February	1,124	50	30	40.1	2,230
March	1,245	45	40	40.2	2,470
April	1,370	50	0	45.7	2,720
May	1,526	50	47	49.2	3,030
June	1,215	49	36	40.5	2,410
July	1,040	38	31	33.5	2,060
August	1,132	40	30	36.5	2,250
September	1,192	41	37	39.7	2,360
Water year 1934-35	12,234.9	50	0	33.5	24,280

*Estimated.

Lytle Creek (east channel) at San Bernardino, Calif.

Location.- Water-stage recorder, lat. 34°5'50", long. 117°19'5", in San Bernardino grant, near Atchison, Topeka & Santa Fe Railway bridge a quarter of a mile upstream from Mount Vernon Street Bridge, at San Bernardino. Altitude, about 1,050 feet.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year (estimated), 500 second-feet Oct. 18; no flow most of year.
1929-35: Maximum discharge (estimated), 700 second-feet Feb. 9, 1932; no flow most of time.

Remarks.- Records poor. Water diverted above station for irrigation by Fontana pipe line and for spreading on debris cone.

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

Oct. 17	*16	Jan. 11	12	Jan. 22	*1.0	Feb. 8	11
Oct. 18	*80	Jan. 12	5.5	Jan. 29	*1.0	Feb. 9	7.5
Oct. 19	*1.0	Jan. 13	*5	Jan. 30	*1.0	Feb. 10	7
Dec. 13	*10	Jan. 14	*5	Jan. 31	*1.0	Feb. 11	6
Dec. 14	*5	Jan. 15	*30	Feb. 1	*1.0	Feb. 12	4.9
Dec. 28	*1.0	Jan. 16	*6	Feb. 2	*1.0	Feb. 13	1.6
Jan. 5	*43	Jan. 17	*6	Feb. 3	*1.0	Mar. 2	*.5
Jan. 6	*2.0	Jan. 18	*6	Feb. 4	*1.0	Mar. 7	.2
Jan. 7	*1.0	Jan. 19	*6	Feb. 5	22	Mar. 8	.8
Jan. 9	*20	Jan. 20	*5	Feb. 6	12	Apr. 8	*80
Jan. 10	16	Jan. 21	*3.0	Feb. 7	11	Apr. 9	*1.5

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	97.0	80	0	3.13	192
November	0	0	0	0	0
December	16.0	10	0	.52	32
Calendar year 1934.	272.0	159	0	.75	539
January	175.5	43	0	5.66	348
February	87.0	22	0	3.11	173
March	1.5	.8	0	.05	3.0
April	81.5	80	0	2.72	162
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.	458.5	80	0	1.26	910

*Estimated.

Note.- No flow during year except as indicated.

Lytle Creek (west channel) at Colton, Calif.

Location.- Water-stage recorder, lat. 34°4', long. 117°19'15", in San Bernardino grant, on F Street near Colton Avenue, at Colton. Altitude, about 980 feet.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year (estimated), 20 second-feet Jan. 5; no flow during most of year.
1929-35: Maximum, that of Jan. 5, 1935; no flow most of time.

Remarks.- Records poor. Water diverted by Fontana pipe line (see "Fontana pipe line near Fontana, Calif.") and for spreading on debris cone above Foothill Boulevard. The only flow during year consisted of a mean daily discharge of 1.6 second-feet on Jan. 5 and 1.6 second-feet on Apr. 8. Run-off during year was 6.4 acre-feet.

Cajon Creek near Keenbrook, Calif.

Location.- Water-stage recorder, lat. 34°15'50", long. 117°27'50", near north boundary of sec. 13 (revised), T. 2 N., R. 6 W., 300 feet above mouth of Lone Pine Creek and 1 mile north of Keenbrook. Altitude, about 2,620 feet.

Drainage area.- 40.9 square miles.

Records available.- December 1919 to September 1935.

Average discharge.- 15 years (1920-35), 7.33 second-feet.

Extremes.- Maximum discharge during year, 2,890 second-feet Oct. 17 (gage height, 7.08 feet); minimum, 1.3 second-feet Oct. 5.
1919-35: Maximum discharge, about 5,000 second-feet Dec. 20, 1921; minimum, 0.05 second-foot June 25, 1920.

Remarks.- Records fair. No diversion or regulation 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	1.6	2.2	2.6	4.8	6.5	8	7.5	9	4.6	3.6	2.0	2.0
2	1.6	2.2	2.6	4.6	6.5	29	7.5	9	4.4	3.6	2.0	2.0
3	1.6	2.2	2.6	4.8	6.5	16	7.5	8.5	4.0	3.4	2.0	2.2
4	1.6	2.2	2.6	6.5	25	14	7.5	8	*3.9	3.2	2.0	2.2
5	1.4	2.1	2.4	110	98	11	7.5	7.5	*3.8	3.2	2.0	2.2
6	1.6	2.1	2.4	14	65	11	7.5	7.5	*3.7	3.0	2.0	2.0
7	1.4	2.1	2.4	9.5	38	18	e	7.5	*3.5	3.0	2.0	2.2
8	1.6	2.1	2.7	8.5	27	17	136	7.5	3.4	3.0	2.0	2.2
9	1.4	2.1	2.6	54	19	15	27	7.5	3.4	3.0	1.9	2.0
10	1.4	2.1	2.6	24	17	12	20	7.5	3.4	3.0	1.9	2.0
11	1.4	2.2	2.4	16	15	10	17	7.5	3.4	2.8	1.9	2.0
12	1.4	2.2	3.1	13	14	10	15	7.5	3.4	2.8	1.9	2.0
13	1.4	2.2	54	12	12	9.5	14	7.5	3.2	2.8	1.9	2.0
14	1.6	2.3	29	11	12	9	13	7.5	3.6	2.7	2.5	2.0
15	1.7	2.4	12	74	11	9	13	7.5	3.4	2.7	2.5	2.0
16	1.7	2.6	8	19	11	9	13	7	3.6	2.5	2.5	1.9
17	393	2.7	7	15	10	9	11	7	3.4	2.7	2.4	1.9
18	97	2.9	6.5	15	9.5	9	9.5	7	3.2	2.7	2.4	1.9
19	11	2.9	6.5	14	9	9	9.5	6.5	3.2	2.7	2.4	1.9
20	3.7	2.9	6.5	12	9	9	9.5	6.5	3.4	2.5	2.2	2.0
21	3.3	2.6	*6	10	9	9	9.5	6.5	3.2	2.4	2.0	1.9
22	3.0	2.6	*6	9.5	9	9	10	6.5	*3.2	2.4	2.0	1.9
23	2.7	2.6	*6	9	9	9	10	6.5	*3.1	2.4	2.0	1.9
24	2.4	2.6	*5.5	9	8.5	15	10	6	*3.1	2.0	2.5	1.9
25	2.3	2.6	*5.5	*9	8.5	11	10	5.5	3.0	2.0	2.5	1.9
26	2.3	2.6	5	*8.5	8.5	9.5	10	5.5	3.2	2.0	2.7	1.9
27	2.1	2.6	5	*8.5	8.5	9	10	5.5	3.0	2.0	2.5	1.9
28	2.1	2.6	5	*8	8.5	8.5	10	5.5	3.0	2.0	2.4	1.7
29	2.2	2.6	5	*7.5	-	8	10	5.5	3.2	2.0	2.2	1.6
30	2.2	2.6	5	*7	-	8	9.5	5	3.4	2.0	2.0	1.6
31	2.2	-	4.8	*7	-	7.6	-	4.8	-	2.0	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	555.9	393	1.4	17.9	1,100
November	72.7	2.9	2.1	2.42	144
December	219.3	54	2.4	7.07	435
Calendar year 1934	2,143.6	393	1.3	5.87	4,250
January	534.7	110	4.6	17.2	1,060
February	490.5	98	6.5	17.5	973
March	347	29	7.5	11.2	688
April	459.5	136	7.5	15.3	911
May	213.8	9	4.8	6.90	424
June	103.3	4.6	3.0	3.44	205
July	82.1	3.6	2.0	2.65	163
August	67.2	2.7	1.9	2.17	133
September	58.8	2.2	1.6	1.96	117
Water year 1934-35	3,204.8	393	1.4	8.78	6,350

*Estimated.

Lone Pine Creek near Keenbrook, Calif.

Location.- Water-stage recorder, lat. 34°15'55", long. 117°27'55", in SW¼ sec. 12, T. 2 N., R. 6 W., 50 feet above Atchison, Topeka & Santa Fe Railway bridge 1 mile north of Keenbrook. Altitude, about 2,630 feet.

Drainage area.- 15.3 square miles.

Records available.- December 1919 to September 1935.

Average discharge.- 15 years (1920-35), 1.07 second-feet.

Extremes.- Maximum stage during year (estimated), 400 second-feet Oct. 17 (gage height, 4.30 feet); minimum, 0.2 second-foot for several periods.
1919-35: Maximum discharge (estimated), 810 second-feet Dec. 19, 1922; minimum, 0.1 second-foot at various times during 1928-32.

Remarks.- Records fair. Discharge estimated Oct. 23 to Nov. 2, Nov. 11-27, and Apr. 1-5. No diversions or regulation 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	0.3	0.2	0.3	0.3	0.4	0.5	0.5	0.4	0.2	0.3
2	.2	.3	.3	.2	.4	7	.4	.5	.4	.4	.3	.3
3	.2	.3	.2	.2	.4	.9	.5	.5	.4	.4	.4	.2
4	.2	.3	.2	.3	5.5	.4	.5	.4	.4	.4	.4	.3
5	.2	.3	.2	26	18.0	.4	.5	.5	.4	.4	.4	.2
6	.2	.4	.2	.7	6.5	.4	.5	.5	.4	.4	.4	.2
7	.2	.4	.2	.5	2.7	3.1	.6	.5	.5	.4	.4	.3
8	.2	.4	.3	.4	.7	.6	44	.5	.5	.4	.4	.2
9	.2	.4	.4	9.5	.6	.5	2.7	.5	.4	.4	.4	.3
10	.2	.4	.4	.9	.5	.4	.8	.5	.4	.4	.4	.3
11	.2	.4	.4	.4	.4	.4	.6	.5	.4	.4	.3	.2
12	.2	.4	.5	.3	.4	.4	.5	.5	.4	.4	.3	.2
13	.2	.3	21	.2	.4	.4	.4	.5	.5	.4	.3	.2
14	.3	.3	1.3	.2	.4	.4	.4	.5	.5	.4	.3	.3
15	.3	.3	.4	11	.4	.4	.4	.5	.5	.4	.3	.3
16	.3	.3	.2	.5	.3	.4	.4	.5	.5	.4	.3	.3
17	35	.3	.2	.5	.3	.4	.5	.5	.5	.4	.3	.4
18	7	.3	.2	1.0	.2	.4	.5	.5	.5	.4	.3	.4
19	.6	.3	.2	.8	.3	.4	.5	.5	.4	.4	.2	.4
20	.4	.2	.2	.8	.4	.4	.5	.5	.5	.4	.2	.4
21	.4	.2	.2	.7	.4	.5	.5	.5	.4	.4	.2	.4
22	.4	.2	.2	.6	.4	.5	.5	.5	.4	.3	.2	.4
23	.4	.2	.2	.5	.4	.4	.5	.5	.5	.3	.3	.4
24	.3	.2	.2	.4	.4	.6	.4	.5	.4	.3	.3	.4
25	.3	.2	.2	.3	.4	.5	.4	.5	.4	.3	.3	.4
26	.3	.2	.2	.3	.3	.5	.4	.4	.4	.3	.4	.4
27	.3	.2	.2	.3	.3	.5	.5	.5	.4	.3	.4	.4
28	.3	.2	.3	.3	.3	.4	.4	.5	.4	.3	.4	.3
29	.3	.2	.2	.3	-	.4	.4	.5	.4	2	.3	.3
30	.3	.2	.3	.3	-	.4	.5	.5	.4	.2	.3	.3
31	.3	-	.3	.4	-	.4	-	.5	-	.2	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	50.1	35	0.2	1.62	99
November	8.6	.4	.2	.29	17
December	29.8	21	.2	.96	59
Calendar year 1934	281.0	73	.2	.77	557
January	59.0	26	.2	1.90	117
February	42.0	18	.2	1.50	83
March	23.1	7	.3	.75	46
April	60.1	44	.4	2.00	119
May	15.3	.5	.4	.49	30
June	13.1	.5	.4	.44	26
July	11.1	.4	.2	.36	22
August	9.9	.4	.2	.32	20
September	9.4	.4	.2	.31	19
Water year 1934-35	331.5	44	.2	.91	657

Meeks & Daley Canal near Colton, Calif.

Location.- Water-stage recorder, lat. 34°04', long. 117°18'40", in San Bernardino grant, on Colton Avenue, 1 mile below point of diversion from Warm Creek and 1 mile east of Colton, San Bernardino County.

Records available.- September 1920 to September 1935.

Average discharge.- 15 years, 10.2 second-feet.

Extremes.- Maximum mean daily discharge during year, 19.8 second-feet Apr. 20; no flow for numerous periods.
1920-35: Maximum mean daily discharge, 21 second-feet June 16, 1926; no flow at numerous times.

Remarks.- Records good. This canal diverts from right bank of Warm Creek 1⅛ miles northeast of Colton. Water is used for irrigation in vicinity of Colton, Riverside, and Corona. After July 12 water was pumped from a well into canal 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	17.2	5.9	0	0	0.2	3.6	5.4	16.7	18.3	16.4	16.1	17.9
2	17.2	6.2	0	0	4.0	2.4	5.9	17.8	18.5	16.4	17.9	17.3
3	17.2	6.1	0	0	6.7	.2	6.1	16.9	18.0	16.6	18.0	17.3
4	17.2	5.9	0	0	5.0	.1	5.1	16.3	17.6	16.3	17.6	17.8
5	16.6	5.2	0	0	1.5	.1	.1	16.0	16.4	16.4	17.3	17.6
6	17.6	8.4	0	0	1.1	.1	.2	16.7	17.6	16.3	17.5	17.9
7	17.6	16.7	.9	0	.2	.2	*3.0	17.6	17.9	15.7	16.9	17.8
8	18.0	16.3	3.9	0	.2	.2	*.1	17.9	17.9	15.3	16.9	17.6
9	17.3	16.1	6.3	0	.2	.2	*.1	18.6	17.8	16.0	16.4	17.6
10	17.5	16.1	8.6	0	.2	.2	*1.0	18.5	17.8	15.7	17.8	16.9
11	17.8	16.9	7.7	0	.2	.2	*1.0	17.2	17.8	15.6	17.9	17.0
12	18.0	17.2	6.3	0	.2	.2	*2.0	17.0	17.8	16.1	17.9	17.9
13	17.8	17.0	.2	0	.1	.2	*2.0	18.2	16.9	18.2	17.6	17.6
14	18.6	16.3	.2	0	.1	.2	3.3	17.9	17.6	18.6	17.9	17.3
15	18.3	16.6	.4	0	.1	.2	4.3	17.6	16.9	18.8	18.0	17.6
16	18.0	8.2	.1	0	.1	2.6	5.0	17.3	17.0	18.3	18.2	17.9
17	16.5	3.3	0	0	.1	4.8	5.0	17.6	16.6	19.1	17.3	17.9
18	.3	1.8	0	.2	.1	4.6	6.3	18.0	16.6	18.9	18.0	17.0
19	2.8	1.5	0	.2	.1	5.0	11.5	17.9	16.7	19.4	18.0	16.6
20	4.9	1.1	0	.2	1.1	4.7	19.8	17.2	16.4	17.6	17.8	17.9
21	5.1	.7	0	.2	3.2	4.6	16.9	18.3	15.6	17.3	17.5	17.9
22	5.2	.5	0	.2	3.1	4.4	16.9	17.9	16.1	17.0	17.3	17.6
23	5.0	.3	0	.2	3.0	4.2	15.9	18.3	16.4	17.0	17.5	17.6
24	5.3	.2	0	.2	1.4	4.7	15.6	18.5	16.3	16.1	17.3	17.6
25	6.8	.2	0	.2	.1	*.2	15.3	17.9	16.1	17.8	17.2	17.6
26	6.8	.2	0	.2	1.6	*.2	15.7	18.0	15.9	17.5	17.5	17.6
27	6.8	.2	0	.2	3.6	*.2	17.6	18.3	15.6	17.5	17.2	16.6
28	6.7	.1	0	.2	3.6	1.3	17.5	16.7	16.0	17.3	17.3	18.0
29	6.5	.1	0	.2	-	4.2	17.2	18.5	15.3	17.3	18.0	18.0
30	6.2	.1	0	.2	-	4.8	17.5	17.9	15.7	17.3	18.0	18.0
31	5.8	-	0	.2	-	6.1	-	18.0	-	17.5	17.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	372.6	18.6	0.3	12.2	739
November	205.4	17.2	.1	6.85	407
December	34.6	8.6	0	1.12	69
Calendar year 1934	4,510.1	19.3	0	12.4	8,950
January	2.8	.2	0	.09	5.6
February	41.1	6.7	.1	1.47	82
March	64.9	6.1	.1	2.09	129
April	253.3	19.8	.1	8.44	502
May	547.2	18.6	16.0	17.7	1,090
June	507.1	18.5	15.3	16.9	1,010
July	531.3	19.4	15.3	17.1	1,050
August	543.6	18.2	16.1	17.5	1,080
September	526.9	18.0	16.6	17.6	1,050
Water year 1934-35	3,630.8	19.8	0	9.95	7,210

*Estimated.

Day Creek near Etiwanda, Calif.

Location.- Water-stage recorder, lat. 34°11', long. 117°32'25", in SW¼ sec. 8, T. 1 N., R. 6 W., a quarter of a mile below junction of two main forks and 6 miles north of Etiwanda. Altitude, about 2,940 feet.

Drainage area.- 4.8 square miles.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year, 172 second-feet Apr. 8 (gage height, 2.10 feet); minimum, 0.4 second-foot Nov. 28 (gage height, 0.68 foot).
1929-35: Maximum discharge, that of Apr. 8, 1935; minimum, 0.1 second-foot Dec. 19, 20, 1933.

Remarks.- Records fair. Daily discharge estimated Oct. 20 to Nov. 6 and Nov. 9. Etiwanda Water Co. diverted about 495 acre-feet for spreading above station during winter.

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	1.6	0.6	0.7	2.9	3.7	3.0	5	2.7	3.7	2.6	2.2
2	.7	1.6	.6	.7	2.7	4.6	3.0	5	2.7	3.5	2.6	2.2
3	.9	1.6	.6	.7	2.7	4.4	3.0	4.8	2.7	3.5	2.4	2.2
4	.7	1.6	.6	.8	8	4.6	3.0	4.4	2.4	3.2	2.4	2.2
5	.6	1.6	.5	8.5	54	4.6	3.0	4.6	3.7	3.2	2.4	2.0
6	1.2	1.6	.5	4.6	28	4.4	3.0	3.4	3.9	3.2	2.4	1.9
7	1.0	1.7	.5	2.6	20	4.6	3.0	2.6	3.9	3.2	2.2	2.0
8	.7	1.7	.6	1.9	15	4.4	34	2.7	3.9	3.2	2.0	1.9
9	.7	1.5	.6	5.5	14	3.9	27	3.0	3.9	2.9	2.0	1.9
10	.7	1.4	.5	8	13	3.7	20	3.0	3.9	2.9	2.2	1.9
11	.9	1.4	.5	5.5	10	3.7	14	2.9	3.9	2.7	2.2	1.9
12	.9	1.3	2.7	4.1	7	3.5	12	2.9	3.9	2.6	2.3	1.9
13	1.0	1.3	40	3.0	6	3.5	8.5	2.9	3.9	2.6	2.3	1.7
14	1.4	1.2	52	3.0	6	3.5	7.5	2.7	4.1	2.6	2.3	1.7
15	1.6	1.1	18	3.9	5.5	3.5	6	2.9	4.1	2.4	2.3	1.9
16	1.9	1.5	8.5	3.0	4.8	3.4	5.5	3.0	4.1	2.4	2.2	1.7
17	21	2.0	4.3	3.2	4.6	3.4	4.6	3.0	3.7	2.4	2.2	1.9
18	48	2.4	2.4	4.1	4.4	3.4	4.4	3.0	3.7	2.4	1.9	2.0
19	36	2.4	1.9	4.8	4.4	3.4	4.4	2.9	3.7	2.4	1.9	2.0
20	5	1.8	1.3	2.9	4.3	3.2	4.4	2.9	3.5	2.4	1.9	2.0
21	3.0	1.3	.9	2.6	4.3	3.2	4.4	2.4	3.5	2.4	1.9	1.9
22	2.2	1.2	.7	2.4	4.3	2.9	4.4	2.4	3.5	2.3	1.9	1.7
23	1.8	1.0	.6	2.2	4.1	2.7	4.3	2.3	3.5	2.3	1.9	1.7
24	1.6	1.0	.6	2.6	4.1	2.9	3.4	2.4	3.4	2.3	2.0	1.6
25	1.6	.9	.6	3.4	4.1	2.7	3.0	2.7	3.4	2.3	2.3	1.6
26	1.5	.8	.6	4.1	4.1	2.7	3.2	2.7	3.2	2.2	2.3	1.5
27	1.5	.5	.6	3.9	3.9	2.7	4.4	2.7	3.0	2.2	2.3	1.6
28	1.5	.4	.9	3.7	3.7	2.9	5.5	2.7	3.0	2.2	2.3	1.9
29	1.5	.5	.8	3.7	-	2.9	6	2.7	3.2	2.2	2.3	1.7
30	1.5	.6	.8	3.2	-	2.9	5.5	2.7	3.4	2.4	2.2	1.7
31	1.6	-	.8	2.9	-	3.0	-	2.7	-	2.6	2.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	144.9	48	0.6	4.67	287
November	40.5	2.4	.4	1.35	80
December	145.1	52	.5	4.68	288
Calendar year 1934	862.2	52	.3	2.36	1,710
January	106.2	8.5	.7	3.43	211
February	249.9	54	2.7	8.92	496
March	108.9	4.6	2.7	3.51	216
April	217.4	34	3.0	7.25	431
May	96.0	5	2.3	3.10	190
June	105.4	4.1	2.4	3.51	209
July	82.8	3.7	2.2	2.67	164
August	68.3	2.6	1.9	2.20	135
September	56.0	2.2	1.5	1.87	111
Water year 1934-35	1,421.4	54	.4	3.89	2,820

Cucamonga Creek near Upland, Calif.

Location.- Water-stage recorder, lat. 34°10'15", long. 117°37'55", in NE¼ sec. 17, T. 1 N., R. 7 W., 6 miles north of Upland. Altitude, about 2,550 feet.

Drainage area.- 10.1 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge during year, 197 second-feet Dec. 14 (gage height, 2.00 feet); minimum, 0.8 second-foot Oct. 2-8.
1928-35: Maximum discharge, 340 second-feet Feb. 9, 1932; minimum, 0.8 second-foot July 16, 17, Aug. 28 to Sept. 15, Oct. 2-8, 1934.

Remarks.- Records good. Daily discharge Oct. 1-16, 19-23, 26-31, and June 20 to Sept. 30, when entire flow was diverted above gage for irrigation, was interpolated between weekly measurements made in diversion 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	0.9	1.8	1.3	3.0	7.5	8.5	8.5	9.5	6	4.7	2.5	2.6
2	.8	1.6	1.0	3.0	7.5	12	8	9.5	6	4.6	2.5	2.6
3	.8	1.4	1.0	2.8	8	9.5	8	8.5	6	4.6	2.5	2.6
4	.8	1.4	1.0	3.7	13	9.5	7.5	8	6	4.6	2.4	2.6
5	.8	1.3	1.4	14	60	9	7.5	8	5.5	4.6	2.4	2.6
6	.8	1.1	1.4	7.5	59	9	7.5	8	5	4.5	2.4	2.6
7	.9	1.1	1.6	7	39	9	7.5	8	5	4.5	2.4	2.6
8	.9	1.3	1.8	6.5	30	9	64	8.5	5	4.5	2.4	2.6
9	.9	1.1	1.8	13	25	9	*28	8.5	4.8	4.4	2.5	2.7
10	.9	1.3	1.6	14	21	9	*24	8.5	5	4.3	2.5	2.7
11	.9	1.1	1.6	12	19	8.5	*23	9	5	4.2	2.5	2.8
12	.9	1.3	2.8	12	18	8.5	*22	8.5	5	4.1	2.5	2.8
13	1.0	1.3	12	10	16	8.5	*19	8.5	5	4.0	2.6	2.9
14	1.1	1.4	122	10	15	8.5	*17	8	5.5	3.9	2.7	2.9
15	1.2	1.8	27	22	14	8.5	16	8	5.5	3.8	2.8	2.9
16	1.5	2.8	14	16	14	8	15	8	5.5	3.8	2.9	2.8
17	14	2.8	8.5	16	13	8	15	7.5	5	3.8	3.0	2.8
18	3.7	2.8	7	14	12	8	14	7.5	4.8	3.8	3.1	2.7
19	3.4	2.8	6	14	12	8.5	13	6.5	4.8	3.8	3.2	2.7
20	3.0	2.1	6	12	11	8	12	6.5	4.8	3.8	3.0	2.7
21	2.5	1.8	5.5	11	10	8	12	6	5	3.8	2.9	2.7
22	2.0	1.4	5.5	10	9.5	8	11	6	5	3.8	2.8	2.6
23	1.9	1.3	5	10	9	8	11	6	5.5	3.6	2.8	2.6
24	1.8	1.3	4.8	10	9	8.5	11	6	5.5	3.4	2.7	2.5
25	1.6	1.4	4.5	9.5	8.5	8	11	6	5.5	3.2	2.7	2.5
26	1.7	1.4	4.1	9	8.5	8	10	6	5	3.1	2.6	2.6
27	1.7	1.4	3.7	9	9	8.5	10	6.5	4.8	3.0	2.6	2.7
28	1.8	1.6	6.5	8.5	9	8	10	6.5	4.6	2.8	2.6	2.7
29	1.7	1.8	5	8.5	-	8	11	6.5	4.5	2.6	2.6	2.7
30	1.8	1.4	3.9	7.5	-	8	11	6	4.5	2.6	2.6	2.7
31	1.7	-	3.2	7	-	8.5	-	6	-	2.6	2.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	59.4	14	0.8	1.92	118
November	48.4	2.8	1.1	1.61	96
December	272.5	122	1.0	8.79	540
Calendar year 1934	1,458.6	236	.8	4.00	2,890
January	312.5	22	2.8	10.1	620
February	486.5	60	7.5	17.4	965
March	266.0	12	8	8.58	528
April	444.5	64	7.5	14.8	882
May	230.5	9.5	6	7.44	457
June	155.1	6	4.5	5.17	308
July	118.8	4.7	2.6	3.83	236
August	82.3	3.2	2.4	2.65	163
September	80.5	2.9	2.5	2.68	160
Water year 1934-35	2,557.0	122	.8	7.01	5,070

*Estimated.

San Jacinto River near San Jacinto, Calif.

Location.- Water-stage recorder, lat. 33°44'5", long. 116°49'45", in SE¼ sec. 13, T. 5 S., R. 1 E., at highway bridge 8¼ miles southeast of San Jacinto. Altitude, about 1,980 feet.

Drainage area.- 140 square miles.

Records available.- October 1920 to September 1935.

Average discharge.- 12 years (1921-25, 1927-35), 14.2 second-feet.

Extremes.- Maximum discharge during year, 280 second-feet Feb. 6 (gage height, 3.18 feet); no flow for long periods.
1920-35: Maximum discharge (estimated), 45,000 second-feet Feb. 18, 1927; no flow for long periods.

Remarks.- Records good. Several diversions above gage. Storage at Lake Hemet.

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	1.0	3.3	0	14	23	0.5	0	0	0.4
2			0	.7	3.3	.5	12	19	.3	0	0	.1
3			0	.6	3.2	3.2	12	14	.2	0	0	0
4			0	.6	6.5	4.4	10	9	0	0	0	0
5			0	3.3	108	3.7	9	7.5	0	0	0	0
6			0	8.5	192	3.2	8	4.3	0	0	0	0
7			0	5.5	105	6.5	6.5	3.0	0	0	0	0
8			0	4.3	86	17	81	2.5	0	0	0	0
9			0	4.3	65	14	108	1.6	0	0	0	0
10			0	16	55	14	73	2.3	0	0	0	0
11			0	10	42	12	59	3.6	0	0	0	0
12			0	8.5	34	13	53	3.4	0	0	0	0
13			1.1	4.5	28	20	45	3.3	0	0	0	0
14			60	1.2	28	23	39	3.3	0	0	0	0
15			49	7.5	27	30	32	3.3	0	0	0	0
16			14	6.5	20	26	27	2.9	0	0	0	0
17			8.5	7.5	17	20	23	2.8	0	0	0	0
18			6	9.5	14	18	19	2.5	0	0	0	0
19			2.9	11	14	16	18	2.3	0	*.1	0	0
20			2.0	8	13	14	16	1.7	0	*.1	0	0
21			1.4	5	12	14	16	1.6	0	*.1	0	0
22			1.0	3.4	11	13	15	1.4	0	*.1	*.1	0
23			.8	3.4	10	13	15	1.3	0	0	*.1	0
24			.7	3.4	10	15	15	1.1	0	0	2.7	0
25			.7	4.9	8.5	14	13	1.0	0	0	2.2	0
26			.6	6	8	13	9.5	.9	0	0	1.3	0
27			.6	6	3.6	13	5	.7	0	0	1.0	0
28			1.3	5	1.3	14	5.5	.7	0	0	.7	0
29			4.0	4.6	-	15	7.5	.6	0	0	.6	0
30			2.0	4.0	-	14	22	.6	0	0	.5	0
31			1.3	3.6	-	14	-	.5	-	0	.4	-

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	157.9	60	0	5.09	313
Calendar year 1934	511.3	148	0	1.40	1,010
January	166.3	16	.6	5.43	334
February	928.7	192	1.3	33.2	1,840
March	410.5	30	0	13.2	814
April	790	108	5	26.3	1,570
May	125.7	23	.5	4.05	249
June	1.0	.5	0	.03	2.0
July	.4	.1	0	.01	.8
August	9.6	2.7	0	.31	19
September	.5	.4	0	.02	1.0
Water year 1934-35	2,592.6	192	0	7.10	5,140

*Estimated.

Note.- No flow during months left blank.

San Jacinto River near Elsinore, Calif.

Location.- Water-stage recorder, lat. 33°39'45", long. 117°17'45", near east line of sec. 9, T. 6 S., R. 4 W., 2½ miles above junction with Elsinore Lake (low-water stage) and 2 miles east of Elsinore. Altitude, about 1,270 feet.

Drainage area.- 717 square miles.

Records available.- January 1916 to September 1935.

Average discharge.- 19 years, 14.0 second-feet.

Extremes.- Maximum discharge during year, 4.7 second-feet May 2 (gage height, 2.85 feet); no flow most of year.
1916-35: Maximum discharge, about 16,000 second-feet Feb. 17, 1927 (gage height, 11.8 feet); no flow for several months each year.

Remarks.- Records good. Storage and diversions 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		0	0.2	0.1	0.1				
2			0		0	.5	.1	.2				
3			0		0	.8	.1	.2				
4			0		0	.4	.1	.2				
5			0		.1	.3	.1	.1				
6			0		.4	.3	.1	.1				
7			0		.4	.2	.1	.1				
8			0		.2	.2	.3	0				
9			0		.2	.2	.3	0				
10			0		.2	.2	.2	0				
11			0		.2	.2	.2	0				
12			0		.2	.2	.2	0				
13			.1		.2	.2	.2	0				
14			0		.2	.2	.2	0				
15			0		.2	.2	.2	0				
16			0		.1	.1	.1	0				
17			0		.1	.1	.1	0				
18			0		.1	.1	.1	0				
19			0		.1	.1	0	0				
20			0		.1	.1	0	0				
21			0		.1	.1	0	0				
22			0		.1	.1	0	0				
23			0		.1	.1	0	0				
24			0		.2	.1	0	0				
25			0		.2	.1	0	0				
26			0		.2	.1	0	0				
27			0		.2	.1	0	0				
28			0		.2	.1	0	0				
29			0		-	.1	0	0				
30			0		-	.1	.1	0				
31			0		-	.1	-	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	.1	.1	0	.003	.2
Calendar year 1934	3.5	1.7	0	.01	6.9
January	0	0	0	0	0
February	4.3	.4	0	.15	8.5
March	5.9	.8	.1	.19	12
April	2.9	.3	0	.10	5.8
May	1.0	.2	0	.03	2.0
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	14.2	.8	0	.04	28

Note.- No flow during months left blank.

Elsinore Lake at Elsinore, Calif.

Location.- Staff gage fastened to pier, lat. 33°40'35", long. 117°21'30", in La Laguna grant, at Aloha Beach Club, on northeast shore, Elsinore, Riverside County. Zero of gage is 1,200 feet above mean sea level.

Records available.- December 1915 to September 1935.

Remarks.- Elsinore Lake overflows only during and after years of heavy rainfall. Temescal Creek is high-water outlet. Heavy rains during 1916 filled lake, and there was flow in Temescal Creek during 1916 and until July 1917. Surface of lake has been below outlet since then. History of lake is published in U. S. Geological Survey Water-Supply Papers 426, 429, and 441.

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	-		-	-	-	-	-	33.0	-	-	-	-
2	-		-	32.8	-	-	33.2	-	-	-	-	-
3	-		-	-	-	-	-	-	-	-	-	-
4	-		-	-	-	-	-	-	32.5	-	-	-
5	-		-	-	33.2	-	-	-	-	-	-	-
6	-		-	-	-	-	-	-	-	-	-	-
7	-		-	-	-	-	-	-	-	-	-	-
8	-		-	32.9	-	33.3	-	-	-	-	-	-
9	-		-	-	-	-	33.2	-	-	-	-	-
10	-		32.6	-	-	-	-	-	-	-	-	30.5
11	-		-	-	-	-	-	-	32.3	-	-	-
12	32.7		-	-	-	-	-	-	-	-	-	-
13	-		-	-	-	-	-	-	-	-	31.0	-
14	-		-	-	-	-	-	32.8	-	-	-	-
15	-		-	-	-	-	-	-	-	-	-	-
16	-		-	-	-	-	33.2	-	-	-	-	-
17	-		32.8	-	-	33.3	-	-	-	-	-	-
18	-		-	-	-	-	-	-	32.2	-	-	-
19	-		-	-	33.2	-	-	-	-	-	-	-
20	-		-	-	-	-	-	-	-	-	-	-
21	-		-	-	-	-	-	-	-	-	-	-
22	-		-	-	-	-	-	-	-	-	-	-
23	-		-	33.0	-	-	33.1	-	-	-	-	-
24	-		-	-	-	-	-	-	-	-	-	30.2
25	32.7		-	-	33.2	-	-	-	-	-	-	-
26	-		32.8	-	-	33.2	-	-	-	31.4	-	-
27	-		-	-	-	-	-	-	-	-	30.7	-
28	-		-	-	-	-	-	-	-	-	-	-
29	-		-	33.0	-	-	-	32.6	-	31.3	-	-
30	-		-	-	-	-	-	-	-	-	-	-
31	-		-	-	-	-	-	-	-	-	-	-

Temescal Creek near Corona, Calif.

Location.- Water-stage recorder, lat. 33°50'30", long. 117°30'45", in El Sobrante de San Jacinto grant, half a mile upstream from Blue Diamond quarry and 4 miles southeast of Corona, Riverside County.

Records available.- January 1929 to September 1935.

Extremes.- 1929-35: Maximum (discharge not determined) Feb. 8, 1932; no flow most of each year.

Remarks.- No flow during year. Numerous diversions and three storage reservoirs above station.

Chino Creek near Prado, Calif.

Location.- Water-stage recorder, lat. 33°53'40", long. 117°38'40", in El Rincon grant, on the Chino-Rincon road 1 mile west of Prado, Riverside County, Altitude, 460 feet.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year, 262 second-feet Mar. 7 (gage height, 6.07 feet); minimum discharge, 0.1 second-foot Sept. 27.
1929-35: Maximum discharge, 1,440 second-feet Jan. 1, 1934 (gage height, 10.50 feet); minimum, that of Sept. 27, 1935.

Remarks.- Records good. Numerous irrigation diversions 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	*0.4	0.9	4.1	9	6	12	12	8.5	2.9	1.0	0.4	0.4
2	*.4	.8	4.6	8	6	23	13	8	*2.9	.8	.4	.4
3	*.4	.8	4.4	7	6	37	13	8	*2.8	.7	.4	.3
4	*.4	.7	4.9	9	7	21	13	6.5	*2.8	.6	.4	.3
5	*.4	.5	4.8	30	29	17	12	5	2.8	.7	.4	.3
6	*.4	.3	5.5	34	33	15	12	5	3.0	.8	.4	.3
7	*.4	.3	8	13	43	69	12	6.5	3.7	1.3	.4	.3
8	*.4	.6	8.5	11	37	78	27	6	4.8	1.4	.4	.3
9	*.4	.9	7	13	30	26	26	6.5	4.1	1.1	.4	.3
10	*.4	2.0	6.5	17	19	20	17	6	3.5	.9	.4	.3
11	*.4	3.4	6	12	19	18	15	5.5	3.0	.9	.4	.3
12	*.4	2.7	6	12	*18	13	13	6	2.3	.8	.4	.2
13	*.4	2.1	42	12	*18	17	12	6.5	1.8	.9	.5	.2
14	*.4	2.9	87	13	*17	16	12	6.5	1.8	.8	.4	.2
15	.4	3.3	41	31	16	15	11	7	1.8	.7	.4	.3
16	.4	7	14	18	14	14	11	6	2.0	.5	.4	.3
17	.8	6	12	14	*14	15	11	5.5	2.4	.4	.4	.5
18	88	7	10	14	*14	11	10	5.5	1.8	.4	.4	.3
19	16	12	9	20	*13	13	9	5	1.2	.4	.3	.2
20	2.0	7	9	14	*13	12	8	4.7	.8	.4	.3	.4
21	.9	5.5	9.5	13	13	12	6.5	3.8	.7	.4	.2	.4
22	.9	*5	9	12	12	12	6.5	2.5	1.1	.4	.3	.4
23	1.0	*5	9	9	12	13	6.5	2.5	1.0	.4	.3	.2
24	1.0	*5	9	7.5	12	17	6.5	3.0	1.8	.4	.3	.3
25	1.1	*4.9	9	7	11	15	6	2.6	1.0	.4	.4	.2
26	1.1	4.8	8.5	7	11	14	6.5	2.1	.8	.3	.5	.2
27	1.2	4.6	8	6.5	11	13	6	2.4	.9	.3	.5	.1
28	1.3	4.3	9	6.5	11	12	8	2.5	1.0	.3	.5	.2
29	1.3	3.9	8.5	7	-	12	8.5	2.5	1.0	.3	.5	.3
30	1.2	3.9	8	7	-	13	9	3.0	1.1	.3	.4	.3
31	1.0	-	8	6.5	-	12	-	3.2	-	.3	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	125.2	88	0.4	4.04	248
November	108.1	12	.3	3.60	214
December	389.8	87	4.1	12.6	773
Calendar year 1934	2,654.7	548	.2	7.27	5,260
January	400	34	6.5	12.9	793
February	465	43	6	16.6	922
March	612	78	11	19.7	1,210
April	339	27	5	11.3	672
May	154.3	8.5	.1	4.98	306
June	62.6	4.8	.7	2.09	124
July	19.3	1.4	.3	.62	38
August	12.2	.5	.2	.39	24
September	8.7	.4	.1	.29	17
Water year 1934-35	2,696.2	88	.1	7.39	5,340

*Estimated.

San Antonio Creek near Claremont, Calif.

Location.- Water-stage recorder, lat. 34°12'50", long. 117°40', in NW¼SE¼ sec. 36, T. 2 N., R. 8 W., at highway bridge half a mile above Southern California Edison Co.'s Sierra power plant and 8 miles northeast of Claremont. Altitude, about 3,400 feet.

Drainage area.- 16.9 square miles.

Records available.- March 1901 to September 1935.

Average discharge.- 18 years (1917-35), 7.09 second-feet. Average combined discharge, creek and canal, 18 years (1917-35), 20.2 second-feet.

Extremes.- Maximum discharge during year, 101 second-feet Apr. 8 (gage height. 3.80 feet); minimum, less than 0.1 second-foot several days during October.
1917-35: Maximum discharge, 1,020 second-feet Dec. 19, 1921 (gage height, 8.20 feet); minimum, that of October 1934.

Remarks.- Records good. Discharge estimated Sept. 17-19. See record for Southern California Edison So.'s canal near Claremont, which diverts water 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	0.1	0.4	0.6	1.3	1.6	13	5	29	8	1.9	1.0	1.0
2	.1	.4	.6	1.3	1.3	20	5	28	7	2.0	1.0	.9
3	.1	.4	.6	1.3	1.6	18	6.5	27	6.5	1.9	1.0	.9
4	.1	.4	.6	1.4	10	18	7	27	6	1.8	1.0	.8
5	.1	.4	.7	6.5	55	17	7.5	26	4.9	1.8	.9	.8
6	.1	.4	.7	3.8	75	16	8	24	4.4	1.6	.9	.8
7	.1	.4	.7	2.7	58	16	8.5	23	4.0	1.5	.9	.8
8	.1	.4	.7	2.2	51	16	58	23	3.6	1.5	.9	.8
9	.1	.4	.7	4.3	50	14	44	22	3.4	1.4	.9	.7
10	.1	.4	.7	4.7	49	13	43	22	3.0	1.3	.9	.7
11	.1	.4	.7	4.0	45	12	41	22	2.8	1.3	.9	.7
12	.1	.4	1.6	3.4	45	11	40	21	2.6	1.3	.9	.6
13	.1	.4	8	2.7	43	11	41	21	2.6	1.3	.9	.6
14	.1	.4	23	2.4	40	10	41	20	2.4	1.3	.9	.6
15	.1	.5	11	9	37	10	41	19	2.2	1.3	.9	.6
16	.1	.6	7	7.5	34	9.5	40	18	2.2	1.3	.9	.6
17	10	.8	5	4.1	32	9	40	17	2.2	1.3	.9	.7
18	6.5	.8	4.2	3.8	31	9	40	16	2.0	1.3	.8	.7
19	2.4	.8	3.2	3.2	29	9	39	14	2.0	1.3	.8	.7
20	1.3	.8	2.5	2.7	28	9	38	13	2.0	1.2	.8	.8
21	.9	.8	2.3	2.3	27	8.5	37	12	2.0	1.2	.8	.8
22	.8	.8	2.1	2.0	25	8	37	12	2.2	1.2	.7	.8
23	.6	.7	1.9	2.0	24	8.5	36	12	2.2	1.1	.7	.8
24	.6	.7	1.8	2.0	23	9.5	35	11	2.0	1.1	.9	.8
25	.6	.7	1.9	2.0	21	8.5	34	11	2.2	1.1	.9	.8
26	.5	.7	1.4	1.9	20	7.5	34	10	2.0	1.1	1.0	.8
27	.5	.7	1.4	1.8	18	7	32	10	2.0	1.1	1.1	.8
28	.4	.6	2.7	1.8	18	20	30	9.5	2.0	1.0	1.2	.8
29	.4	.6	1.8	1.8	-	5	32	9	1.9	1.0	1.2	.8
30	.4	.6	1.4	1.6	-	5	32	9	1.9	1.0	1.1	.8
31	.4	-	1.3	1.6	-	5		9		1.0	1.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	27.9	10	0.1	0.90	55
November	16.8	.8	.4	.56	33
December	92.8	23	.6	2.99	184
Calendar year 1934	457.2	81	.1	1.25	906
January	93.1	9	1.3	3.00	185
February	893	75	1.6	31.9	1,770
March	358	20	5	11.5	710
April	932.5	58	5	31.5	1,850
May	546.5	29	9	17.6	1,080
June	94.2	8	1.9	3.14	187
July	41.5	2.0	1.0	1.34	82
August	28.8	1.2	.7	.93	57
September	22.8	1.0	.6	.76	45
Water year 1934-35	3,147.9	75	.1	8.62	6,240

*Estimated.

San Antonio Creek near Claremont, Calif.

(Continued)

Combined discharge, in second-feet, of San Antonio Creek and Southern California Edison Co.'s Canal near Claremont, Calif., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.3	7.9	8.2	18.7	25	43	30	54	33	24	17.7	12.5
2	3.1	7.6	8.2	18.7	26	45	30	53	32	24	17.1	12.2
3	3.1	7.6	8.5	18.3	26	43	32	52	32	24	17.1	12.2
4	2.8	7.3	8.5	18.8	36	43	32	52	31	24	16.7	12.1
5	2.8	7.3	8.6	28	76	42	32	51	30	24	16.5	11.4
6	3.1	7.3	8.6	23	100	41	33	49	29	24	16.2	12.1
7	2.9	7.6	8.5	23	83	41	34	48	29	24	15.9	11.8
8	2.8	7.3	9.5	22	76	41	83	48	29	24	15.4	11.8
9	3.1	7.3	8.2	24	75	39	69	47	28	22	15.1	11.2
10	2.8	6.8	8.2	29	74	38	68	47	28	21	14.3	11.2
11	2.8	7.3	7.9	28	70	37	66	47	28	21	14.6	11.4
12	3.0	7.3	11.4	25	70	36	65	46	28	21	14.3	11.1
13	2.8	7.3	23	25	68	36	66	46	28	20	14.0	10.8
14	3.1	7.3	42	24	65	35	66	45	27	20	14.6	11.1
15	2.8	7.4	35	33	62	35	66	44	27	20	14.6	11.1
16	2.8	8.1	31	32	59	34	65	43	27	20	14.6	11.1
17	16.2	8.7	29	32	57	34	65	42	27	19.3	14.5	11.2
18	22	7.7	24	32	56	34	65	41	25	19.3	13.2	11.2
19	10.5	7.7	22	31	54	34	64	39	25	18.5	14.0	10.9
20	7.9	7.7	21	31	53	34	63	38	23	18.4	13.7	11.5
21	7.3	7.7	21	32	52	34	62	37	23	18.1	13.7	11.5
22	8.5	7.3	23	30	50	33	62	37	23	18.1	12.9	11.3
23	8.8	7.5	23	27	49	34	61	37	21	17.8	12.9	10.7
24	6.7	7.6	23	27	48	34	60	36	22	18.3	13.8	10.7
25	8.8	7.6	23	26	46	34	59	36	22	17.8	13.5	10.7
26	8.0	7.9	22	26	45	32	59	35	22	17.8	14.5	10.5
27	7.7	7.9	20	26	43	32	57	35	22	17.8	13.2	10.5
28	7.9	8.1	22	26	43	45	55	34	22	17.3	13.8	10.3
29	7.6	8.1	20	25	-	30	57	34	24	17.6	13.0	10.7
30	7.6	7.5	19.2	25	-	30	57	34	24	17.6	12.9	10.4
31	7.6	-	20	25	-	30	-	34	-	17.7	12.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	190.2	22	2.8	6.14	377
November	227.7	8.7	6.8	7.59	452
December	567.5	42	7.9	18.3	1,130
Calendar year 1934	3,709.4	95	2.8	10.2	7,360
January	811.5	33	18.3	26.2	1,610
February	1,587	100	25	56.7	3,150
March	1,133	45	30	36.5	2,250
April	1,683	83	30	56.1	3,340
May	1,321	54	34	42.6	2,620
June	791	33	21	26.4	1,570
July	628.4	24	17.3	20.3	1,250
August	451.2	17.7	12.9	14.6	895
September	337.2	12.5	10.3	11.2	669
Water year 1934-35	9,728.7	100	2.8	26.7	19,310

Southern California Edison Co.'s canal near Claremont, Calif.

Location.- Hook gage, lat. 34°12'45", long. 117°40'15", in NW¼SE¼ sec. 36, T. 2 N., R. 8 W. (revised), at weir in tailrace of Sierra power house on San Antonio Creek, 1½ miles below intake and 8 miles northeast of Claremont. Altitude, about 3,160 feet.

Records available.- January 1917 to September 1935.

Average discharge.- 18 years, 13.1 second-feet.

Remarks.- This canal diverts water from San Antonio Creek in SE¼ sec. 25, T. 2 N., R. 8 W., 1 mile above gaging station on San Antonio Creek near Claremont. Water is used for power development at Sierra power house and then used for irrigation. Discharge record furnished by Southern California Edison Co., Ltd.

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	7.5	7.6	17.4	23	25	25	25	25	22	16.7	11.5
2	3.0	7.2	7.6	17.4	24	25	25	25	25	22	16.1	11.3
3	3.0	7.2	7.9	17.0	24	25	25	25	25	22	16.1	11.3
4	2.7	6.9	7.9	17.4	26	25	25	25	25	22	15.7	11.3
5	2.7	6.9	7.9	21	21	25	25	25	25	22	15.6	10.6
6	3.0	6.9	7.9	19.1	25	25	25	25	25	22	15.3	11.3
7	2.8	7.2	7.8	20	25	25	25	25	25	22	15.0	11.0
8	2.7	6.9	8.8	20	25	25	25	25	25	21	14.5	11.0
9	3.0	6.9	7.5	20	25	25	25	25	25	21	14.2	10.5
10	2.7	6.4	7.5	24	25	25	25	25	25	20	13.4	10.5
11	2.7	6.9	7.2	24	25	25	25	25	25	20	13.7	10.7
12	2.9	6.9	9.8	22	25	25	25	25	25	20	13.4	10.5
13	2.7	6.9	14.6	22	25	25	25	25	25	19.0	13.1	10.2
14	3.0	6.9	19.5	22	25	25	25	25	25	19.0	13.7	10.5
15	2.7	6.9	24	24	25	25	25	25	25	19.0	13.7	10.5
16	2.7	7.5	24	24	25	25	25	25	25	19.0	13.7	10.5
17	6.2	7.9	24	28	25	25	25	25	25	18.0	13.6	10.5
18	15.9	6.9	19.5	28	25	25	25	25	23	18.0	12.4	10.5
19	8.1	6.9	18.7	28	25	25	25	25	23	17.2	13.2	10.2
20	6.6	6.9	18.3	28	25	25	25	25	21	17.2	12.9	10.7
21	6.4	6.9	18.7	30	25	25	25	25	21	16.9	12.9	10.7
22	7.7	6.5	21	28	25	25	25	25	21	16.9	12.2	10.5
23	8.2	6.8	21	25	25	25	25	25	19.2	16.7	12.2	9.9
24	6.1	6.9	21	25	25	25	25	25	20	17.2	12.9	9.9
25	8.2	6.9	21	24	25	25	25	25	19.3	16.7	12.6	9.9
26	7.5	7.2	21	24	25	25	25	25	20	16.7	13.5	9.7
27	7.2	7.2	18.7	24	25	25	25	25	20	16.7	12.1	9.7
28	7.5	7.5	19.5	24	25	25	25	25	20	16.3	12.6	9.5
29	7.2	7.5	18.7	23	-	25	25	25	22	16.6	11.8	9.9
30	7.2	6.9	17.8	23	-	25	25	25	22	16.6	11.8	9.6
31	7.2	-	18.7	23	-	25	-	25	-	16-7	11.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	162.7	15.9	2.7	5.25	323
November	210.9	7.9	6.4	7.03	418
December	475.1	24	7.2	15.3	942
Calendar year 1934	3,253.2	24	2.7	23.1	6,450
January	716.3	30	17.0	23.1	1,420
February	693	26	21	24.8	1,370
March	775	25	25	25.0	1,540
April	750	25	25	25.0	1,490
May	775	25	25	25.0	1,540
June	696.5	25	19.2	23.2	1,380
July	587.4	22	16.3	18.9	1,170
August	422.4	16.7	11.8	13.6	838
September	314.4	11.5	9.5	10.5	624
Water year 1934-35	6,578.7	30	2.7	18.0	13,060

Santiago Creek at Santiago Reservoir, near Villa Park, Calif.

Location.- Staff gage at Santiago Creek Dam in Lomas de Santiago grant, 2 miles east of Orange County Park and 5 miles east of Villa Park, Orange County.

Drainage area.- 63 square miles.

Records available.- January 1932 to September 1935.

Remarks.- Dam completed December 1931. Reservoir capacity 25,000 acre-feet. Flow regulated at Santiago Reservoir for irrigation. Draft measured by means of several Venturi flumes. Record is not corrected for evaporation from reservoir. Entire record furnished by Serrano and Carpenter Irrigation Districts and Irvine Co.

Inflow, in acre-feet, of Santiago Creek to Santiago Reservoir near Villa Park, Calif., for water year 1934-35

October	216	April	747
November	77	May	395
December	287	June	239
January	895	July	344
February	773	August	378
March	960	September	302
		The year	5,613

Santiago Creek near Villa Park, Calif.

Location.- Water-stage recorder, lat. 33°49'10", long. 117°46'30", in SW¼ sec. 13, T. 4 S., R. 9 W., five-eighths of a mile below diversion dam of Serrano and Carpenter Irrigation Districts and 1⅝ miles northeast of Villa Park. Altitude, about 420 feet.

Drainage area.- 83.8 square miles.

Records available.- June 1920 to September 1935.

Average discharge.- 15 years, 6.77 second-feet.

Extremes.- Maximum discharge during year, 194 second-feet Oct. 17 (gage height, 1.60 feet); no flow several months of year.
1920-35: Maximum discharge, about 11,000 second-feet Feb. 16, 1927 (gage height, 8.4 feet); no flow several months each year.

Remarks.- Records fair. Irvine Co. and Serrano and Carpenter Irrigation Districts divert above gage. Flow completely controlled by storage in Santiago 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	2.0	0.3	*0.1	0.3	0.4	0					
2	0	2.0	.2	*.1	.3	2.6	0					
3	0	2.0	.2	*.1	.4	2.4	0					
4	0	1.5	.2	.3	.6	1.0	0					
5	0	1.5	.2	13	1.5	.8	0					
6	0	1.5	*.1	1.2	.8	.8	0					
7	0	1.5	*.1	.8	.6	18	.5					
8	0	1.5	*.1	.5	6.5	2.9	1.5					
9	0	1.5	*.1	1.2	2.0	2.0	*.2					
10	0	1.5	*.1	1.2	1.2	1.0	*.1					
11	0	1.5	*.1	1.0	.8	.6	0					
12	0	1.5	.6	.4	.8	.8	0					
13	0	1.2	4.3	*.1	.5	.8	0					
14	0	1.2	13	.4	.8	.6	0					
15	0	1.2	2.5	8	.8	1.3	0					
16	0	3.7	1.5	1.2	.8	2.4	0					
17	25	1.2	1.2	.8	1.0	.8	0					
18	30	2.9	.4	7.2	1.0	.2	0					
19	14	1.5	*.1	12	.6	*.2	0					
20	11	1.2	*.1	.8	.5	*.2	0					
21	4.3	.5	*.1	.6	.5	*.2	0					
22	3.4	.4	*.1	.5	.5	*.2	0					
23	2.9	.4	*.1	.5	.5	*.2	0					
24	2.4	.4	*.1	.4	.5	*.1	0					
25	2.0	.4	*.1	.4	.5	*.1	0					
26	2.0	.4	*.1	.4	.4	*.1	0					
27	2.0	.4	.2	.4	.4	*.1	0					
28	2.0	.3	.6	.4	.4	0	0					
29	2.0	.3	.6	.4	-	0	0					
30	2.0	.3	.3	.4	-	0	0					
31	2.0	-	*.1	.3	-	0	0					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	107.0	30	0	3.45	212
November	37.4	3.7	.3	1.25	74
December	27.8	13	.1	.90	55
Calendar year 1934	303.2	103	0	.83	601
January	55.1	13	.1	1.78	109
February	25.3	6.5	.3	.90	50
March	41.0	18	0	1.32	81
April	2.3	1.5	0	.08	4.6
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	295.9	0	00	.81	586

*Estimated.

Note.- No flow during months left blank.

Santiago Creek at Santa Ana, Calif.

Location.- Water-stage recorder, lat. 33°46', long. 117°52'45", in Santiago de Santa Ana grant, at end of Baker Street, Santa Ana. Altitude, about 120 feet.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year, 257 second-feet Mar. 7 (gage height, 3.10 feet); no flow most of year.
1929-35: Maximum discharge, 272 second-feet Dec. 28, 1931; no flow greater part of each year.

Remarks.- Records fair. Irvine Co. and Serrano and Carpenter Irrigation Districts divert 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	0	0	0	*2.0	0	0						
2	0	0	0	0	0	8.6						
3	0	0	0	0	0	4.5						
4	0	0	0	0	0	0						
5	0	0	0	11	*2.0	0						
6	0	0	0	1.7	*.2	0						
7	0	0	0	0	0	40						
8	0	0	0	0	6	*1.0						
9	0	0	0	*1.0	*1.0	0						
10	0	0	0	0	*.2	0						
11	0	0	0	0	0	0						
12	0	0	0	0	0	0						
13	0	0	10	0	0	0						
14	0	0	*.5	0	0	0						
15	0	0	*25	14	0	0						
16	0	*9	*2.0	*.5	0	0						
17	0	*2.0	0	0	0	0						
18	*80	*1.0	0	2.5	0	0						
19	*1.0	*8	0	12	0	0						
20	0	*1.0	0	*.5	0	0						
21	0	0	0	0	0	0						
22	0	0	0	0	0	0						
23	0	0	0	0	0	0						
24	0	0	0	0	0	0						
25	0	0	0	0	0	0						
26	0	0	0	0	0	0						
27	0	0	0	0	*2.0	0						
28	0	0	0	0	0	*4.0						
29	0	0	0	0	-	*2.5						
30	0	0	0	0	-	*1.0						
31	0	-	0	0	-	0						

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	81.0	80	0	2.61	161
November	21.0	9	0	.70	42
December	37.5	25	0	1.21	74
Calendar year 1934	300.5	108	0	.82	597
January	45.2	14	0	1.46	90
February	11.4	6	0	.41	23
March	61.6	8.6	0	1.99	122
April	0	0	0	0	0
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	257.7	80	0	.71	512

Note.- No flow during months left blank.

Irvine ranch drainage canal near Tustin, Calif.

Location.- Water-stage recorder, lat. 33°30'50", long. 117°51'30", in San Joaquin grant, on Lane road bridge 5 miles south of Tustin, Orange County.

Drainage area.- 93 square miles.

Records available.- November 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,250 second-feet Oct. 18 (gage height, 10.62 feet); no flow for several periods.
1930-35: Maximum discharge, 4,330 second-feet Jan. 19, 1933 (gage height, 12.98 feet); no flow during periods in 1932-35.

Remarks.- This canal serves to carry storm run-off from foothills across ranch to drain soil in a small area between Tustin and ocean. Record furnished by Orange County Flood Control District, through M. N. Thompson, chief engineer.

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	0.1	0.1	0.2	0.1	0.1	0.1	0.2	0	0.2	
2	0	.1	.1	.1	.2	67	.1	.1	.2	0	.2	
3	0	.1	.1	.1	.2	46	.1	.1	.1	0	.1	
4	0	0	.1	.1	.3	1.2	.1	.1	.1	0	.1	
5	0	0	.1	163	53	.3	.1	.1	.1	.1	0	
6	0	0	.1	3.4	5.5	.2	.1	.1	.1	.2	0	
7	0	0	.1	.5	34	8	.1	.1	.1	.2	0	
8	0	0	.2	.2	52	2.8	.2	.1	.1	.2	0	
9	0	0	.2	21	4.8	.5	.1	.1	0	.2	0	
10	0	0	.2	14	1.5	.4	.1	.1	0	.2	0	
11	0	0	.2	.3	.5	.3	.1	.1	0	.2	0	
12	0	0	.2	.2	.2	.2	.1	.1	0	.2	0	
13	0	0	24	.1	.2	.2	.1	.1	0	.2	0	
14	0	0	21	.1	.2	.1	.1	.1	0	.2	0	
15	0	0	2.4	28	.2	.1	.1	.1	.1	.2	0	
16	0	26	.6	2.8	.2	.1	.1	.1	.1	.2	0	
17	45	16	.2	.5	.2	.1	.1	.1	.1	.2	0	
18	89	3.4	.2	12	.2	.1	.1	.1	.1	.2	0	
19	3.8	11	.2	29	.2	.1	.1	0	.1	.2	0	
20	2.4	2.2	.1	.5	.2	.1	.1	0	.1	.1	0	
21	1.7	.3	.1	.2	.2	.1	.1	0	.1	.2	0	
22	1.2	.3	.1	.2	.2	.1	.1	0	.1	.2	0	
23	.9	.3	.1	.2	.2	.1	.1	0	0	.2	0	
24	.2	.3	.1	.1	.1	2.9	.1	0	0	.2	0	
25	.1	.2	.1	.2	.1	.3	.1	0	0	.2	0	
26	.1	.2	.1	.2	.1	.2	.1	.1	0	.2	.1	
27	.1	.2	.1	.1	.1	.1	.1	.1	0	.2	.1	
28	.1	.1	.1	.1	.1	.1	.1	.1	0	.2	.1	
29	.1	.1	.1	.2	-	.1	.1	.1	0	.2	0	
30	.1	.1	.1	.2	-	.1	.1	.1	0	.2	0	
31	.1	-	.1	.2	-	.1	-	.1	-	.2	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	144.9	89	0	4.67	287
November	61.0	26	0	2.03	121
December	51.5	24	.1	1.66	102
Calendar year 1934	2,320.4	1,560	0	6.36	4,600
January	277.9	163	.1	8.96	551
February	155.1	53	.1	5.54	308
March	132.1	67	.1	4.26	262
April	3.1	.2	.1	.10	6.1
May	2.4	.1	0	.08	4.8
June	1.8	.2	0	.06	3.6
July	5.2	.2	0	.17	10
August	.9	.2	0	.03	1.8
September	0	0	0	0	0
Water year 1934-35	835.9	163	0	2.29	1,660

Note.- No flow during September.

San Gabriel River near Camp Bonita, Calif.

Location.- Water-stage recorder, lat. 34°14'10", long. 118°49'10", in SW¼ sec. 22, T. 2 N., R. 9 W., above junction with Susanna Canyon and 3 miles west of Camp Bonita, Calif.

Records available.- December 1932 to September 1935. October 1927 to September 1932 at station 3 miles upstream.

Extremes.- Maximum discharge during year, 1,080 second-feet Apr. 8 (gage height, 4.92 feet); minimum, 1.5 second-feet Oct. 1 (gage height, 2.17 feet).
1932-35: Maximum discharge, 8,500 second-feet Jan. 1, 1934 (gage height, 5.79 feet); minimum, that of Oct. 1, 1934.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	21	20	59	118	100	95	146	75	53	33	21
2	5	20	18	55	118	115	98	146	72	55	32	20
3	6	20	20	53	118	100	98	140	70	53	32	20
4	7	18	20	63	173	95	98	133	70	49	30	20
5	7	18	20	202	483	92	98	133	72	49	30	21
6	11	18	18	146	500	85	98	133	75	51	28	21
7	14	21	18	124	385	98	106	124	72	53	27	21
8	13	20	22	112	338	95	634	115	72	53	26	21
9	10	20	26	185	333	95	459	115	70	53	26	20
10	8	20	22	208	333	92	380	118	70	53	24	20
11	8	20	21	189	292	90	305	118	70	49	24	18
12	8	18	24	170	242	90	264	118	68	47	24	17
13	9	18	129	153	221	92	282	121	70	45	24	16
14	14	17	638	143	196	98	238	112	65	42	24	17
15	17	17	404	218	178	98	229	103	63	42	26	17
16	20	22	185	174	156	95	200	100	61	40	26	17
17	180	26	127	146	143	92	208	92	59	39	24	17
18	252	27	100	153	143	95	200	92	57	39	26	17
19	100	30	88	160	143	95	200	90	55	38	24	20
20	59	30	80	153	146	95	182	90	55	38	24	21
21	39	27	70	130	137	98	174	90	53	36	22	20
22	33	26	65	121	133	95	182	88	53	36	21	20
23	27	27	61	118	133	98	185	85	53	34	20	18
24	24	27	65	115	133	112	182	82	51	34	20	18
25	21	26	70	118	118	98	170	80	51	34	27	17
26	20	26	63	124	112	92	160	78	53	33	25	17
27	20	24	61	124	109	92	150	78	53	32	33	17
28	20	24	95	121	103	92	150	78	51	30	27	17
29	20	26	70	121	-	95	133	78	51	30	22	17
30	20	21	57	118	-	98	133	78	51	30	22	17
31	20	-	65	115	-	98	-	78	-	30	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,016.5	252	4.5	32.8	2,020
November	675	30	17	22.5	1,340
December	2,742	638	18	88.5	5,440
Calendar year 1934	19,137.0	6,210	4.5	52.4	37,960
January	4,191	218	53	135	8,310
February	5,737	500	103	205	11,380
March	2,975	115	85	96.0	5,900
April	6,091	634	95	203	12,080
May	3,232	146	78	104	6,410
June	1,861	75	51	62.0	3,690
July	1,300	55	30	41.9	2,580
August	794	33	20	25.6	1,570
September	560	21	17	18.7	1,110
Water year 1934-35	31,174.5	634	4.5	85.4	61,830

San Gabriel River near Azusa, Calif.

Location.- Water-stage recorder, lat. 34°9'30", long. 117°54'5", in NW¼ sec. 23, T. 1 N., R. 10 W., 1 mile above power house of city of Pasadena and 2 miles north of Azusa.
Drainage area.- 214 square miles.
Records available.- 1894 to September 1935.
Average discharge.- 39 years (1896-1935), 106 second-feet. Average combined discharge of river and diversions, corrected for storage and evaporation in Morris Reservoir, 40 years (1895-1935), 152 second-feet.
Extremes.- Maximum discharge during year, 507 second-feet Feb. 9 (gage height, 4.28 feet); no flow for long periods.
1894-1935: Maximum discharge, 40,000 second-feet Jan. 18, 1916; no flow for several months each year.
Remarks.- Records good. Some discharge measurements furnished by Los Angeles County Flood Control District and Pasadena Water Department. During year run-off was completely regulated by releases from Morris Dam of Pasadena Water Department; capacity 39,350 acre-feet. Azusa Canal (formerly power canal of Southern California Edison Co.) diverts above high-water line of Morris Reservoir at a point about 5 miles above station. Sum of discharge in river at gage, Azusa Canal, storage released to city of Pasadena, reservoir evaporation at Morris Dam, and percolation between Morris Dam and station (see next page) gives total run-off comparable to combined discharge of San Gabriel River and Southern California Edison Co.'s canal as published 1894-1933.

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	181	250	385	105	198	72	2.2		
2	0		0	181	253	229	94	210	58	1.9		
3	0		0	178	257	161	92	178	52	8		
4	0		0	87	187	150	92	216	51	2.2		
5	0		0	13	52	181	74	243	51	69		
6	0		0	2.4	5	213	83	250	46	3.5		
7	0		0	31	3.0	213	88	275	35	1.1		
8	0		0	89	106	204	75	289	36	7		
9	0		0	4.6	449	246	5.5	313	35	79		
10	0		0	25	436	250	3.2	309	31	65		
11	0		0	105	412	253	29	313	31	1.1		
12	0		0	113	380	239	256	313	29	1.0		
13	0		0	111	342	275	460	305	23	.5		
14	0		0	107	317	285	412	309	23	0		
15	0		25	6	282	317	380	313	24	0		
16	0		109	51	246	329	358	313	22	0		
17	0		122	113	239	333	341	317	33	0		
18	0		142	109	267	338	305	317	21	0		
19	23		158	57	297	346	293	186	15	0		
20	116		172	116	313	324	293	86	13	0		
21	129		186	127	313	330	293	81	14	0		
22	137		201	132	346	232	284	79	26	0		
23	139		257	132	367	348	240	86	10	0		
24	137		285	145	363	216	257	79	9	0		
25	18		253	156	358	59	285	77	67	0		
26	.4		293	175	363	125	285	77	188	0		
27	.1		290	186	367	313	285	76	217	0		
28	.1		50	189	376	346	285	74	14	0		
29	.1		120	198	-	358	229	76	3.0	0		
30	0		190	216	-	254	243	74	2.2	0		
31	0		207	229	-	105	-	72	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	699.7	139	0	22.6	1,390
November	0	0	0	0	0
December	3,060	293	0	98.7	6,070
Calendar year 1934	14,159.7	2,380	0	38.8	28,130
January	3,565	229	2.4	115	7,070
February	7,946	449	3.0	284	15,760
March	7,957	385	59	257	15,780
April	6,524.7	460	3.2	217	12,940
May	6,104	317	72	197	12,110
June	1,251.2	217	2.2	41.7	2,480
July	241.5	79	0	7.79	479
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	37,349.1	460	0	102	74,080

Note.- No flow during months left blank.

San Gabriel River near Azusa, Calif.

(Continued)

Monthly discharge, in acre-feet, of San Gabriel River near Azusa, Calif., corrected for storage, evaporation, and diversions, water year 1934-35

Month	*Normal discharge at San Gabriel River near Azusa, Calif.	Azusa Canal near Azusa, Calif.	Total corrected run-off of San Gabriel River near Azusa, Calif.
October	1,728	1,732	3,460
November	14	2,326	2,340
December	8,563	3,842	12,405
January	14,477	5,197	19,674
February	18,020	4,916	22,936
March	7,565	5,444	13,009
April	19,658	5,217	24,875
May	7,043	5,447	12,490
June	1,456	5,279	6,735
July	54	4,324	4,378
August	0	2,638	2,638
September	0	1,876	1,876
The year	78,578	48,238	126,816

*Discharge for station on San Gabriel River near Azusa, Calif., corrected for storage, evaporation, and diversions at Morris Dam and inflow and percolation below Morris Dam. Furnished by city of Pasadena.

San Gabriel River at Pico, Calif.

Location.- Water-stage recorder, lat. 33°59'45", long. 118°04'18", in Paso de Bartolo grant, on Whittier Boulevard bridge half a mile east of Pico, Los Angeles County.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 5,400 second-feet Oct. 17; no flow during several months.
1928-35: Maximum discharge, 22,000 second-feet Jan. 1, 1934; no flow for several months each year.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	5.5	6	8.5	18	12	16	32				
2	0	5.5	6.5	9	18	46	18	27				
3	0	4.1	6	7.5	18	40	16	26				
4	0	3.6	6	4.1	18	26	16	23				
5	0	4.1	6	116	68	24	18	20				
6	0	4.1	6	32	47	23	18	20				
7	0	4.7	7.5	27	22	34	22	12				
8	0	6	8.5	23	23	27	100	6.5				
9	0	4.7	8.5	18	19	26	32	16				
10	0	4.7	6.5	15	35	20	22	12				
11	0	4.7	6	12	42	16	22	6				
12	0	3.6	6.5	15	46	15	24	10				
13	0	4.1	612	26	47	13	51	18				
14	0	4.1	275	29	31	12	56	14				
15	0	4.7	51	189	37	12	51	.1				
16	0	24	34	14	34	15	56	3.6				
17	746	8.5	29	12	26	16	47	14				
18	307	22	26	16	12	15	42	12				
19	32	24	22	13	12	14	40	.6				
20	20	10	20	18	19	15	44	0				
21	18	9	23	12	13	14	44	0				
22	15	9	23	14	13	14	39	0				
23	6	8.5	23	14	19	13	29	0				
24	4.1	8.5	20	15	32	24	23	0				
25	3.6	8.5	16	12	22	14	23	0				
26	2.6	7.5	16	12	11	16	24	0				
27	1.0	6.5	12	18	11	15	31	0				
28	1.8	6.5	13	19	11	14	39	0				
29	2.6	6	12	20	-	19	42	0				
30	4.1	6	9	14	-	23	37	0				
31	6	-	8.5	16	-	19	-	0				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,169.8	746	0	3.77	2,320
November	232.7	24	3.6	7.76	462
December	1,324.5	612	6	42.7	2,630
Calendar year 1934	9,529.8	5,580	0	26.1	18,900
January	770.1	189	4.1	24.8	1,530
February	724	68	11	25.9	1,440
March	606	46	12	19.5	1,200
April	1,042	100	16	34.7	2,070
May	272.6	32	0	8.80	541
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	6,141.9	746	0	16.8	12,190

Note.- No flow during months left blank.

West Fork of San Gabriel River at Camp Rincon, Calif.

Location.- Water-stage recorder, lat. 34°14'30", long. 117°51'50", near center of sec. 19, T. 2 N., R. 9 W., half a mile below North Fork of San Gabriel River and a quarter of a mile above Camp Rincon.

Drainage area.- 102 square miles.

Records available.- October 1927 to September 1935.

Extremes.- Maximum discharge during year, 1,840 second-feet Apr. 8 (gage height, 6.83 feet); minimum, 1.6 second-feet at times during October.
1927-35: Maximum discharge, 5,320 second-feet Jan. 1, 1934 (gage height, 9.15 feet); no flow at times in 1928 and 1929.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	13	15	46	80	80	74	108	57	39	19	14
2	2.4	13	15	44	78	119	72	112	53	39	19	14
3	2.5	11	14	42	77	119	74	104	50	37	18	13
4	2.5	11	14	54	112	104	74	99	49	35	18	11
5	2.5	11	12	616	868	101	72	93	50	32	17	9.5
6	2.7	11	12	285	566	95	70	95	51	30	16	10
7	2.7	11	14	186	384	110	70	88	50	29	16	15
8	2.4	10	17	154	327	110	1,180	88	47	30	15	14
9	2.0	11	22	219	262	99	557	95	46	29	15	14
10	1.9	11	26	272	250	99	353	93	44	27	14	14
11	1.9	10	23	208	219	97	276	86	46	27	14	18
12	1.9	10	26	183	194	97	234	86	44	28	13	12
13	2.1	11	528	159	176	99	205	82	43	27	14	8.5
14	2.8	11	1,010	136	163	95	189	78	42	28	13	14
15	3.1	12	388	313	151	88	181	86	44	28	14	11
16	3.3	25	183	202	142	83	178	83	44	28	14	9
17	218	27	125	159	134	82	161	78	43	27	13	9
18	212	30	95	171	127	83	136	75	42	26	13	9
19	178	31	80	178	119	80	95	72	40	26	13	9
20	43	29	68	147	114	80	95	70	40	27	14	9.5
21	29	25	60	136	104	80	95	69	39	26	13	9
22	24	19	53	127	93	77	97	64	39	26	12	8.5
23	18	19	49	114	95	75	97	62	39	25	12	8.5
24	15	18	46	112	99	97	95	62	37	26	12	8
25	14	17	44	108	93	90	92	64	36	22	14	8.5
26	12	16	42	106	86	85	92	62	35	21	15	8
27	11	15	43	101	83	85	83	60	35	20	15	8
28	12	14	97	97	80	82	86	62	34	20	14	7.5
29	12	14	69	92	-	78	93	60	35	20	14	7.5
30	11	15	54	85	-	77	93	63	36	19	11	7
31	11	-	49	82	-	75	-	62	-	19	10	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	858.7	218	1.9	27.7	1,700
November	481	31	10	16.0	954
December	3,293	1,010	12	106	6,530
Calendar year 1934	14,876.7	3,340	1.5	40.8	29,500
January	4,934	616	42	159	9,790
February	5,276	868	77	188	10,460
March	2,821	119	75	91.0	5,600
April	5,269	1,180	70	176	10,450
May	2,461	112	60	79.4	4,880
June	1,290	57	34	43.0	2,560
July	843	39	19	27.2	1,670
August	444	19	10	14.3	881
September	318.0	15	7	10.6	631
Water year 1934-35	28,288.7	1,180	1.9	77.5	56,110

Bear Creek near Camp Rincon, Calif.

Location.- Water-stage recorder, lat. 34°15'20", long. 117°53', near center of sec. 13, T. 2 N., R. 10 W., 1⅛ miles above junction with West Fork of San Gabriel River and 2 miles northwest of Camp Rincon.

Drainage area.- 26 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year not determined.
1929-35: Maximum discharge, 1,600 second-feet Jan. 1, 1934 (gage height, 8.0 feet); no flow at times during 1934.

Remarks.- Records lost Dec. 8, 1934, to Mar. 20, 1935. Entire record furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	2.6	5			-	29	33	21	9.5	3.e	2.3
2	.3	2.6	4.9			-	29	32	21	9	3.8	2.2
3	.4	2.4	4.9			-	29	32	20	8.5	3.6	2.1
4	.4	2.4	4.6			-	29	32	20	8.5	3.3	2.0
5	.4	2.4	4.4			-	29	31	20	8	3.1	1.7
6	.4	2.3	4.4			-	29	31	19	7.5	2.8	1.7
7	.6	2.3	4.4			-	29	30	19	7.5	2.8	1.7
8	.5	2.2	-			-	113	30	18	7.5	2.8	1.7
9	.4	2.2	-			-	73	30	18	7.5	2.6	1.6
10	.4	2.1	-			-	58	29	18	7	2.6	1.5
11	.4	2.1	-			-	53	29	17	7	2.6	1.5
12	.4	2.1	-			-	48	28	17	7	2.6	1.5
13	.4	2.1	-			-	46	28	16	7	2.7	1.5
14	.6	2.2	-			-	44	28	16	6.5	3.1	1.5
15	.6	2.2	-			-	41	27	16	6.5	3.1	1.5
16	.7	7	-			-	40	27	15	6.5	3.3	1.5
17	70	6.5	-			-	40	26	15	6	3.3	1.5
18	94	8	-			-	38	26	14	6	3.1	1.5
19	31	8.5	-			-	37	26	14	5.5	3.1	1.5
20	12	7.5	-			-	37	26	14	5.5	3.1	1.5
21	7	6.5	-			29	36	25	13	5.5	2.8	1.5
22	5	5.5	-			29	36	25	13	5.5	2.8	1.5
23	4.1	5.5	-			29	36	24	12	5	2.8	1.5
24	3.6	5.5	-			31	35	24	12	5	2.7	1.5
25	2.8	5.5	-			30	35	24	12	4.9	2.8	1.5
26	2.7	5.5	-			30	35	23	11	4.9	2.8	1.4
27	2.7	5	-			30	34	23	11	4.6	2.8	1.4
28	2.7	5	-			29	34	22	11	4.1	2.8	1.4
29	2.6	5	-			29	33	22	10	4.1	2.7	1.5
30	2.6	5	-			29	33	22	10	4.1	2.4	1.5
31	2.6	-	-			29	-	21	-	3.e	2.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	252.5	94	0.2	8.15	501
November	125.7	8.5	2.1	4.19	249
December 1-7	-	-	-	4.66	65
Calendar year					
January					
February					
March 21-31	-	-	-	29.5	643
April	1,216	113	29	40.6	2,420
May	836	33	21	27.0	1,660
June	463	21	10	15.4	918
July	195.5	9.5	3.8	6.31	388
August	91	3.8	2.4	2.94	180
September	48.2	2.3	1.4	1.61	96
Water year					

North Fork of San Gabriel River at Camp Rincon, Calif.

Location.- Water-stage recorder, lat. 34°14'50", long. 117°51'50", in NE¼ sec. 19, T. 2 N., R. 9 W., 0.7 mile above junction with West Fork of San Gabriel River and 1 mile north of Camp Rincon.

Drainage area.- 18.8 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year, 111 second-feet Apr. 8 (gage height, 5.35 feet); minimum, 0.8 second-foot Oct. 1 (gage height, 4.08 feet).
1929-35: Maximum discharge, 276 second-feet Jan. 1, 1934 (gage height, 5.80 feet); no flow Aug. 28, 1934.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	1.0	2.9	2.9	6.5	10	14	13	23	15	11	8	5
2	1.2	2.9	2.6	6	10	18	13	22	15	11	8	5
3	1.4	2.9	2.9	5.5	10	18	13	21	15	10	7.5	5
4	1.4	2.9	2.9	5.5	13	17	13	20	15	10	7	4.8
5	1.4	2.6	2.9	20	36	17	12	19	14	9.5	7	4.8
6	1.7	2.6	2.9	15	34	17	12	19	14	8.5	6.5	5
7	2.0	2.6	2.9	13	31	18	13	19	14	8.5	6.5	5
8	1.7	2.6	2.9	11	27	17	76	19	14	8.5	6.5	5
9	1.2	2.6	2.9	16	24	16	47	19	14	8.5	6	5
10	1.2	2.6	3.2	17	22	15	36	19	14	8.5	6	5
11	1.2	2.6	3.6	16	22	15	32	19	13	8.5	6	4.7
12	1.4	2.6	4.4	14	21	14	30	19	13	8.5	6	5
13	1.7	2.6	19	13	20	14	28	19	13	8.5	6	5
14	2.3	2.6	41	13	19	14	27	18	13	8.5	5	5
15	2.6	2.6	22	21	19	14	26	19	13	8.5	5.5	5.5
16	2.6	5	12	16	18	14	26	19	13	8.5	5.5	5
17	14	4.4	10	15	17	15	25	18	12	8.5	5	5
18	14	4.0	7.5	15	17	15	24	17	12	8.5	5	5.5
19	7	4.0	7	15	17	15	24	17	12	8	5	6
20	5	4.0	6.5	14	17	15	23	17	12	8	5	5.5
21	4.0	4.0	6.5	14	17	15	23	17	12	7.5	4.8	5.5
22	4.0	4.0	6.5	13	17	15	23	17	11	7.5	4.8	5.5
23	3.6	4.0	6.5	12	17	15	23	17	11	7.5	4.8	5
24	2.9	4.0	6.5	12	15	16	22	17	11	8	4.8	5
25	2.9	3.6	6	12	15	14	22	16	11	8	5.5	5.5
26	2.9	3.2	5.5	12	15	14	22	16	10	8	5.5	5
27	2.9	3.2	6	12	15	14	22	16	10	8	5.5	5.5
28	2.9	2.9	10	11	14	13	23	16	10	8	5.5	5.5
29	2.9	2.9	7.5	10	-	13	25	17	10	8	5	5
30	2.9	2.9	7	10	-	12	26	17	10	8	5	5
31	2.9	-	6.5	10	-	12	-	16	-	8	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	100.8	14	1.0	3.25	200
November	96.3	5	2.6	3.21	191
December	236.6	41	2.6	7.63	469
Calendar year 1934	1,718.7	186	.8	4.71	3,410
January	395.5	21	5.5	12.8	784
February	528	35	10	18.9	1,050
March	465	18	12	15.0	922
April	743	76	12	24.8	1,470
May	564	23	16	18.2	1,120
June	376	15	10	12.5	746
July	264.5	11	7.5	8.53	525
August	179.2	8	4.8	5.78	355
September	154.3	6	4.7	5.14	306
Water year 1934-35	4,103.1	76	1.0	11.2	8,140

Azusa Canal near Azusa, Calif.

Location.- Water-stage recorder at Morris Dam of city of Pasadena, lat. 34°10'40", long. 117°52'15", in SW¼SW¼ sec. 7, T. 1 N., R. 9 W., 4 miles northeast of Azusa. Formerly "Southern California Edison Co.'s canal near Azusa, Calif." Prior to Oct. 1, 1934, record was obtained from power output at Azusa power house at lat. 34°9'10", long. 117°54'35".

Records available.- 1896 to September 1935.

Average discharge.- 39 years, 46.9 second-feet.

Extremes.- Maximum mean daily discharge during year, 90.2 second-feet Dec. 28. 1896-1935: Maximum mean daily discharge, 97 second-feet Nov. 27, 1906; usually no flow for a few days each year.

Remarks.- Intake on San Gabriel River in SE¼SE¼ sec. 31, T. 2 N., R. 9 W. Water is used for power development and irrigation. During rainy season part of water from power plant is wasted back into San Gabriel River below station. Record furnished by city of Pasadena.

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	8.9	34.6	37.7	88.5	88.5	88.9	88.5	88.5	88.6	89.1	51.6	36.8
2	8.6	34.5	36.8	30.8	88.6	88.5	88.5	88.5	88.6	89.1	51.2	35.8
3	9.1	33.0	36.7	28.8	88.6	88.5	88.5	88.6	88.6	89.0	50.8	34.2
4	9.1	31.8	36.3	88.9	88.6	88.4	88.5	88.5	88.8	87.4	49.7	33.0
5	9.7	31.2	34.5	80.0	88.1	88.4	88.5	88.4	89.0	84.0	48.7	32.0
6	9.9	30.2	34.5	87.7	85.6	88.4	88.5	88.4	89.1	81.3	47.3	31.9
7	11.0	30.0	34.0	88.5	88.7	88.4	88.5	88.5	88.9	79.5	45.9	35.6
8	10.2	28.1	49.4	88.7	88.5	88.5	81.4	88.5	88.8	78.2	44.7	34.2
9	9.4	28.4	58.9	88.3	88.6	88.5	73.1	88.8	89.1	76.9	43.8	33.2
10	9.3	28.6	51.1	88.5	88.7	88.5	86.0	89.0	89.0	75.6	43.4	31.9
11	9.1	28.1	47.1	88.6	88.7	88.5	88.5	88.8	89.1	73.7	43.0	34.5
12	8.8	28.4	53.7	88.3	88.7	88.5	88.7	88.6	89.2	73.9	43.2	29.8
13	9.8	27.9	42.6	88.7	88.7	88.5	87.6	88.6	89.2	73.7	43.0	27.4
14	10.3	27.9	54.3	88.7	88.7	88.5	88.6	88.6	89.2	72.3	42.0	33.1
15	12.0	27.5	60.6	88.4	88.7	88.6	88.6	88.6	89.2	71.7	43.2	34.4
16	12.5	55.9	47.1	88.4	88.9	88.6	88.6	88.5	89.2	72.6	44.2	31.4
17	41.9	56.8	70.0	88.5	89.0	88.6	88.6	88.6	81.9	69.0	43.3	31.4
18	29.9	62.4	72.6	88.4	89.0	88.6	88.7	88.6	87.3	67.8	41.2	31.6
19	72.6	64.7	75.2	88.7	87.6	88.6	88.7	88.6	89.3	66.8	39.3	32.1
20	88.1	58.4	74.9	88.8	88.8	88.6	88.7	88.6	89.2	65.8	38.0	34.1
21	74.2	52.6	74.8	88.8	88.7	88.6	88.7	88.6	89.2	64.9	36.9	32.9
22	59.9	48.8	75.5	88.6	88.6	88.6	88.5	88.6	89.1	63.5	35.7	30.3
23	50.4	46.0	79.4	88.7	88.6	88.6	88.4	88.6	89.1	62.6	34.6	28.7
24	46.0	43.6	85.7	88.8	88.6	88.6	88.5	88.6	89.1	61.4	35.1	27.7
25	41.2	41.9	85.3	88.8	88.6	88.5	88.5	88.6	89.1	60.0	40.7	29.2
26	38.5	40.4	82.8	88.7	88.6	88.5	88.5	88.6	89.1	58.6	41.6	28.6
27	37.1	38.9	89.3	88.9	88.7	88.5	88.5	88.6	88.9	57.2	47.5	27.6
28	35.3	38.0	90.2	88.8	88.7	88.5	88.5	88.6	88.8	55.5	44.5	27.4
29	34.5	37.3	88.8	88.5	-	88.5	88.6	88.6	88.9	54.0	41.0	28.3
30	33.4	36.7	88.7	88.7	-	88.5	88.5	88.6	89.1	52.7	37.9	26.8
31	32.7	-	88.6	88.5	-	88.5	-	88.6	-	52.1	36.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	873.4	88.1	8.6	28.17	1,732
November	1,172.6	64.7	27.5	39.09	2,326
December	1,937.1	90.2	34.0	62.49	3,842
Calendar year 1934	12,655.3	90.2	0	34.7	25,090
January	2,620.0	88.9	28.8	84.52	5,197
February	2,478.4	89.0	85.6	88.51	4,916
March	2,744.5	88.9	88.4	88.53	5,444
April	2,630.5	88.7	73.1	87.68	6,217
May	2,746.4	89.0	88.4	88.59	5,447
June	2,661.7	89.2	81.9	88.72	5,279
July	2,179.9	89.1	52.1	70.32	4,324
August	1,329.9	51.6	34.6	42.90	2,638
September	945.9	36.8	26.8	31.53	1,876
Water year 1934-35	24,320.1	90.2	8.6	66.63	48,238

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Rogers Creek near Azusa, Calif.

Location.- Water-stage recorder, lat. 34°09'55", long. 117°54'20", in NW¼NW¼ sec. 23, T. 1 N., R. 10 W., half a mile above mouth of creek and 2⅛ miles north of Azusa. Altitude, about 800 feet.

Drainage area.- 6.4 square miles.

Records available.- October 1917 to September 1935. May 1916 to June 1917 discharge measurements only.

Average discharge.- 18 years, 2.45 second-feet.

Extremes.- Maximum discharge during year, 576 second-feet Apr. 8 (gage height, 5.96 feet); no flow part of year.
1917-35: Maximum discharge, about 2,600 second-feet Apr. 7, 1928; no flow several months each year.

Remarks.- Records good. All the water at times is diverted above station. Results of some 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	0	0.1	0.4	1.2	2.2	2.3	1.5	4.7	1.1	0.4		
2	0	.1	.2	1.1	2.1	5	1.5	4.3	1.0	.4		
3	0	.1	.2	1.1	2.0	3.9	1.5	3.6	1.0	.3		
4	0	.1	.2	1.4	3.3	3.2	1.8	3.3	.9	.2		
5	0	.1	.2	14	21	2.8	1.7	2.8	.9	.1		
6	0	*.1	.2	7.5	16	2.4	1.6	2.7	.9	.1		
7	0	0	.2	5.5	13	3.4	2.0	2.8	.8	0		
8	0	0	.6	4.3	11	3.4	115	2.8	*.8	0		
9	0	0	.6	6.5	10	3.4	30	2.8	*.7	0		
10	0	0	.4	6.5	8.5	3.0	20	2.8	.7	0		
11	0	0	.4	5.5	7.5	2.6	16	2.7	.6	0		
12	0	.1	.7	4.7	7	2.6	13	2.7	.4	0		
13	0	.1	19	4.1	7	2.4	12	2.7	.4	0		
14	0	.1	34	3.6	6.5	2.2	11	2.4	.4	0		
15	0	0	10	11	6	2.0	10	2.4	.4	0		
16	0	1.1	5	7	4.7	2.0	9.5	2.4	.4	0		
17	3.9	1.0	3.4	6.5	4.5	2.0	9	2.4	.4	0		
18	6	1.1	2.7	10	3.9	2.0	8	2.0	.2	0		
19	2.2	1.5	2.2	8.5	3.6	2.0	7.5	1.6	.4	0		
20	.9	1.1	1.7	7	3.3	1.8	7	1.5	.4	0		
21	.6	.8	1.3	6	3.2	1.7	7	1.3	.2	0		
22	.4	.5	1.3	5	3.2	1.8	6.5	1.2	.2	0		
23	.2	.5	1.2	4.3	3.2	1.8	6.5	1.2	.2	0		
24	0	.4	1.1	3.9	3.0	4.5	5.5	1.1	.2	0		
25	0	.4	1.0	3.8	2.7	2.7	5	*1.1	.1	0		
26	0	.3	.9	3.6	2.6	2.1	4.1	*1.2	.1	0		
27	0	.2	.8	3.3	2.6	1.7	3.9	*1.2	.1	0		
28	0	.2	3.6	3.0	2.4	1.5	3.9	*1.3	.1	0		
29	0	.2	2.1	2.7	-	1.5	5.5	1.4	.2	0		
30	0	.2	1.7	2.4	-	1.5	5.5	1.3	.2	0		
31	0	-	1.4	2.4	-	1.5	-	1.3	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14.2	6	0	0.46	28
November	10.4	1.5	0	.35	21
December	98.9	34	.2	3.19	196
Calendar year 1934	828.0	363	0	2.27	1,640
January	157.4	14	1.1	5.08	312
February	166.0	21	2.0	5.93	329
March	76.7	5	1.5	2.47	152
April	333	115	1.5	11.1	660
May	69.0	4.7	1.1	2.23	137
June	14.4	1.1	.1	.48	29
July	1.5	.4	0	.05	3.0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	941.5	115	0	2.58	1,870

*Estimated.

Note.- No flow during months left blank.

Fish Creek near Duarte, Calif.

Location.- Water-stage recorder, lat. 34°10', long. 117°55'25", in SW¼SW¼ sec. 15, T. 1 N., R. 10 W., three-quarters of a mile above mouth of canyon and 3 miles northeast of Duarte. Altitude, about 1,000 feet.

Drainage area.- 6.5 square miles.

Records available.- July to September 1916, July 1917 to September 1935.

Average discharge.- 18 years (1917-35), 3.33 second-feet.

Extremes.- Maximum discharge during year, 420 second-feet Apr. 8; minimum, less than 0.1 second-foot in October.
1916-35: Maximum discharge, about 2,180 second-feet Apr. 4, 1925; no flow during periods in 1919-21, 1924, 1929-30.

Remarks.- Records fair. Discharge estimated Oct. 1-16, 19, Nov. 16, 17, Dec. 4-11, Jan. 7, 11-21, 29, 30, Feb. 8-11, 21-27, Apr. 9 to May 10. No diversions or regulation above station. Results ofsome 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		0.6	0.8	2.8	3.2	3.4	2.9	6.5	2.5	1.9	0.5	0.5
2		.6	.8	2.7	3.2	5.5	3.2	6	2.5	2.2	.5	.4
3		.5	.8	2.5	3.2	4.4	3.4	5	2.2	1.8	.5	.3
4		.5	.7	3.1	6	4.2	3.4	4.5	1.9	1.1	.5	.3
5		.5	.6	29	61	4.2	3.2	4.0	1.9	.9	.5	.2
6		.4	.7	13	29	3.7	2.9	3.9	1.9	.9	.5	.2
7		.4	.7	10	23	5.5	3.9	3.9	1.8	.9	.5	.2
8		.4	.7	10	20	4.8	150	3.9	1.8	.9	.4	.2
9		.4	.7	11	16	4.8	35	3.9	1.8	.9	.4	.2
10		.5	.8	12	15	4.4	22	3.9	1.8	.8	.3	.2
11		.5	.8	11	13	4.2	20	3.9	1.4	.8	.3	.2
12		.5	2.2	11	11	3.9	18	4.2	1.4	.9	.3	.1
13		.5	42	10	10	3.4	17	4.2	1.4	.9	.3	.1
14		.5	60	10	10	3.1	16	4.4	1.4	.8	.3	.1
15		.5	14	16	8	3.1	14	4.2	1.4	.7	.4	.2
16	.1	6	7	14	8	2.9	14	3.7	1.4	.5	.5	.2
17	16	1.8	6.5	10	7	2.6	12	3.3	1.2	.7	.4	.1
18	8	1.9	5	9	7	2.6	10	3.3	1.1	.7	.4	.2
19	3.0	2.6	3.9	11	7	2.6	8.5	2.9	1.1	.7	.3	.3
20	1.1	1.9	3.2	12	7	2.6	7	2.5	1.1	.6	.2	.2
21	.9	1.5	3.0	7	6	2.9	6	2.2	1.1	.6	.2	.3
22	.8	1.3	3.1	6.5	6	2.9	5	1.9	1.1	.5	.3	.3
23	.7	1.3	2.6	5.5	5	2.9	4.9	2.2	1.1	.5	.1	.2
24	.6	1.2	2.6	5	5	7	4.9	2.2	1.1	.5	.1	.3
25	.5	1.1	2.5	4	4.5	3.9	4.8	2.2	1.1	.5	.3	.3
26	.5	.9	2.3	4	4.0	2.9	4.8	2.2	1.1	.5	.4	.3
27	.4	.8	2.2	4	4.0	2.9	4.7	2.2	.9	.5	.4	.3
28	.4	.8	8.5	4	3.7	2.9	4.6	2.5	1.1	.4	.5	.2
29	.4	.8	4.3	3.8	-	2.9	7	2.5	1.4	.4	.4	.2
30	.4	.8	3.4	3.8	-	2.9	7.5	2.5	1.8	.5	.4	.3
31	.4	-	3.1	3.6	-	2.9	-	2.5	-	.5	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	35.15	16	-	1.13	70
November	32.0	6	0.4	1.07	63
December	189.5	60	.8	6.11	376
Calendar year 1934	1,184.93	360	-	3.25	2,350
January	261.3	29	2.5	8.43	518
February	305.8	61	3.2	10.9	607
March	112.9	7	2.8	3.64	224
April	420.6	150	2.9	14.0	834
May	107.2	6.5	1.9	3.46	213
June	43.8	2.5	.9	1.48	87
July	24.8	2.2	.4	.80	49
August	11.5	.5	.1	.37	23
September	7.1	.5	.1	.24	14
Water year 1934-35	1,551.65	150	-	4.25	3,080

Note.- Discharge less than 0.1 second-foot Oct. 1-15.

Sawpit Creek near Monrovia, Calif.

Location.- Water-stage recorder, lat. 34°10'20", long. 117°59'25", in NW¼SW¼ sec. 13 (revised), T. 1 N., R. 11 W., 0.2 mile (revised) below junction of two main branches and 2 miles north of Monrovia.

Drainage area.- 5.3 square miles at old location, three-eighths of a mile upstream.

Records available.- November 1916 to September 1935.

Average discharge.- 18 years (1917-35), 0.94 second-foot. Average combined discharge, creek and Monrovia pipe line, 18 years (1917-35), 2.14 second-feet.

Extremes.- Maximum discharge during year, 145 second-feet Apr. 8 (gage height, 3.15 feet); no flow several periods during year.
1916-35: Maximum discharge, about 2,000 second-feet Apr. 7, 1926, estimated from flow of Rogers Creek; no flow for several periods each year.

Remarks.- Records good. Discharge estimated Dec. 5-7, Jan. 1-4, Apr. 5, 6, 12-23, Apr. 29 to May 8, May 29 to June 17. Regulation at flood-control dam above gage and diversions by city of Monrovia. See record for Monrovia pipe line near Monrovia, Calif. Results of a number of 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	0	0.2	0	0.2	1.6	0.5	0.1	1.0	0.7	0	0.4	0.2
2	0	0	0	.1	1.5	1.1	.1	1.1	.7	.3	.4	.2
3	0	0	0	.1	1.5	.8	.1	.8	.6	.3	.4	.2
4	0	0	0	.1	1.8	.7	.1	.6	.6	.1	.4	.2
5	0	0	.1	1.1	2.8	.7	.1	.3	.6	.1	.4	.2
6	0	0	.1	.5	2.9	.6	.1	.1	.5	.1	.4	.5
7	0	0	.1	.5	2.6	.8	.2	.1	.2	0	.4	.6
8	0	0	.7	.4	2.6	.8	28	.1	.1	0	.4	.6
9	0	0	0	.5	2.9	.9	14	0	.1	0.3	.4	.6
10	0	0	0	.5	3.4	1.0	7.5	0	.1	.7	.3	.5
11	0	0	0	.4	3.3	.8	6.5	0	.1	.7	.3	.5
12	0	0	.2	.4	3.0	.7	4.0	0	.1	.7	.3	.5
13	0	0	3.4	.5	2.4	.7	3.5	0	.1	.7	.3	.5
14	0	0	14	.5	2.0	.6	3.0	0	.1	.6	.3	.5
15	0	.1	8	1.0	1.8	.6	2.6	0	.1	.4	.3	.5
16	0	.9	2.9	3.0	1.6	.6	2.2	0	.1	.3	.3	.5
17	.4	1.2	1.2	3.8	1.6	.6	1.8	0	.1	.3	.3	.5
18	.4	.7	.7	2.7	1.6	.6	1.4	0	0	.3	.3	.5
19	.1	.7	.6	1.9	1.6	.7	1.0	0	0	.3	.3	.5
20	0	0	.5	1.9	1.6	.2	.6	0	0	.3	.3	.4
21	0	0	.4	2.0	1.5	.5	.4	0	0	.3	.3	.1
22	0	0	.3	2.5	1.3	.6	.1	0	0	.3	.3	.1
23	0	0	.3	2.7	1.1	.2	.1	0	0	.3	.3	.1
24	0	0	.2	2.7	1.2	.4	0	0	0	.3	.3	.1
25	0	0	.2	2.4	1.3	.1	0	0	0	.3	.3	.1
26	0	0	.2	2.2	.6	.1	0	0	0	.4	.3	.1
27	0	0	.2	2.1	.4	.1	0	0	0	.4	.3	.1
28	0	0	.7	2.1	.4	.1	0	0	0	.4	.3	.1
29	0	0	.4	1.9	-	.1	.5	.8	0	.4	.2	.1
30	0	0	.2	1.8	-	.1	1.0	.8	0	.4	.2	.1
31	0	-	.2	1.6	-	.1	-	.8	-	.4	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.9	0.4	0	0.03	1.8
November	3.8	1.2	0	.13	7.5
December	35.8	14	0	1.15	71
Calendar year 1934	248.6	144	0	.68	493
January	44.1	3.8	.1	1.42	87
February	51.9	3.4	.4	1.85	103
March	16.4	1.1	.1	.53	33
April	79.0	28	0	2.63	157
May	6.5	1.1	0	.21	13
June	4.9	.7	0	.16	9.7
July	10.4	.7	0	.34	21
August	9.9	.4	.2	.32	20
September	9.7	.6	.1	.32	19
Water year 1934-35	273.3	28	0	.75	543

Sawpit Creek near Monrovia, Calif.

(Continued)

Combined discharge, in second-feet, of Sawpit Creek and Monrovia pipe line near Monrovia, Calif., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	1.0	0.8	1.5	3.3	2.0	1.4	2.8	1.1	1.1	1.3	1.0
2	.6	.8	.8	1.4	3.2	2.6	1.4	2.9	1.1	1.4	1.3	1.0
3	.6	.8	.8	1.4	3.2	.8	1.4	2.6	1.0	1.4	1.3	1.0
4	.6	.8	.8	.8	3.5	1.3	1.4	2.4	1.0	1.2	1.3	1.0
5	.6	.8	.9	1.5	3.4	1.3	1.4	2.1	1.0	1.2	1.3	1.0
6	.6	.8	.9	.9	3.5	1.4	1.4	1.4	1.3	1.2	1.3	1.3
7	.6	.8	.8	1.0	3.2	1.9	1.2	2.7	1.5	1.1	1.3	1.4
8	.6	.8	1.3	1.0	3.2	1.9	28	2.7	1.4	1.1	1.3	1.4
9	.6	.8	.8	1.1	3.5	1.5	14.6	2.6	1.4	1.4	1.3	1.4
10	.6	.8	.8	1.1	4.0	1.6	8.1	2.6	1.4	1.8	1.2	1.3
11	.6	.8	.8	1.3	4.2	2.3	7.1	2.6	1.4	1.8	1.1	1.3
12	.6	.8	1.0	.8	4.3	2.2	4.6	2.1	1.4	1.8	1.1	1.3
13	.6	.8	3.4	.9	3.7	2.2	4.4	2.1	1.4	1.8	1.1	1.3
14	.6	.8	14.0	1.3	3.5	2.1	4.1	2.1	1.4	1.7	1.1	1.3
15	.6	.7	8.0	1.6	3.1	2.1	4.5	2.1	1.3	1.5	1.1	1.3
16	.6	.9	2.9	3.6	2.9	2.1	3.8	2.1	1.4	1.4	1.1	1.3
17	.4	1.6	1.5	4.4	2.9	2.1	3.6	2.1	1.4	1.4	1.1	1.3
18	.4	1.2	1.1	3.3	2.9	2.1	3.3	1.9	1.3	1.4	1.1	1.3
19	.7	1.5	1.0	2.5	2.9	2.2	3.4	1.7	1.3	1.4	1.1	1.3
20	.6	.8	.9	2.3	2.9	1.7	2.8	1.7	1.3	1.4	1.1	1.2
21	.8	.8	.8	2.4	2.8	2.0	2.5	1.7	1.3	1.2	1.1	.9
22	.8	.8	.7	2.9	2.6	2.1	3.2	1.7	1.3	1.2	1.1	.9
23	.8	.8	1.6	3.1	2.4	1.7	3.2	1.7	1.1	1.2	1.1	.9
24	.8	.8	1.5	3.1	2.7	1.9	3.1	1.7	1.1	1.2	1.1	.9
25	.8	.8	1.5	2.8	2.8	1.6	3.4	1.7	1.1	1.2	1.1	.9
26	.8	.8	1.5	2.6	2.1	1.6	3.4	1.7	1.1	1.3	1.1	.9
27	.8	.8	1.5	2.5	1.9	1.6	3.4	1.7	1.1	1.3	1.1	.9
28	.8	.8	2.0	2.7	1.9	1.6	1.1	1.5	1.1	1.3	1.1	.9
29	.8	.8	1.7	2.7	-	1.6	1.6	1.2	1.1	1.3	1.0	.9
30	.8	.8	1.5	3.4	-	1.6	1.8	1.2	1.1	1.3	1.0	.9
31	.8	-	1.5	3.3	-	1.4	-	1.2	-	1.3	1.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	20.5	0.8	0.4	0.66	41
November	26.0	1.5	.7	.87	52
December	58.9	14.0	.6	1.90	117
Calendar year 1934	598.4	144	.4	1.64	1,190
January	65.2	4.4	.8	2.10	129
February	86.3	4.3	1.9	3.08	171
March	56.1	2.6	.8	1.81	111
April	128.6	28	1.1	4.29	255
May	62.3	2.9	1.2	2.01	124
June	37.2	1.5	1.0	1.24	74
July	42.3	1.8	1.1	1.36	84
August	35.7	1.3	1.0	1.15	71
September	33.7	1.4	.9	1.12	67
Water year 1934-35	652.8	28	.4	1.79	1,300

Monrovia pipe line near Monrovia, Calif.

Location.- Staff gage and weirs, lat. 34°10', long. 117°59'40", near southwest corner sec. 13 (revised), T. 1 N., R. 11 W., 300 feet above settling reservoir at mouth of Sawpit Canyon and 1½ miles north of Monrovia. Altitude, 970 feet.

Records available.- May 1916 to September 1935.

Average discharge.- 19 years, 1.24 second-feet.

Extremes.- Maximum mean daily discharge during year, 3.4 second-feet Apr. 25-27; no flow Oct. 17-18, Nov. 16, Dec. 13-16, Mar. 3.
1916-35: Maximum mean daily discharge, 6.1 second-feet May 9, 1922; no flow at numerous times.

Remarks.- Records good. Monrovia pipe line furnishes part of water supply of Monrovia. It diverts from two branches of Sawpit Creek. Most of this water is collected by tunnels driven into side of canyon. Gage-height record furnished by city of Monrovia.

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	0.6	0.8	0.8	1.3	1.7	1.5	1.3	1.8	0.4	1.1	0.9	0.8
2	.6	.8	.8	1.3	1.7	1.5	1.3	1.8	.4	1.1	.9	.8
3	.6	.8	.8	1.3	1.7	0	1.3	1.8	.4	1.1	.9	.8
4	.6	.8	.8	.7	1.7	.6	1.3	1.8	.4	1.1	.9	.8
5	.6	.8	.8	.4	.6	.6	1.3	1.8	.4	1.1	.9	.8
6	.6	.8	.8	.4	.6	.8	1.3	1.3	.8	1.1	.9	.8
7	.6	.8	.5	.5	.6	1.1	1.0	2.6	1.3	1.1	.9	.8
8	.6	.8	.6	.6	.6	1.1	.4	2.6	1.3	1.1	.9	.8
9	.6	.8	.8	.6	.6	.6	.6	2.6	1.3	1.1	.9	.8
10	.6	.8	.8	.6	.6	.6	.6	2.6	1.3	1.1	.9	.8
11	.6	.8	.8	.9	.9	1.5	.6	2.6	1.3	1.1	.8	.8
12	.6	.8	.8	.4	1.3	1.5	.6	2.1	1.3	1.1	.8	.8
13	.6	.8	0	.4	1.3	1.5	.9	2.1	1.3	1.1	.8	.8
14	.6	.8	0	.8	1.3	1.5	1.1	2.1	1.3	1.1	.8	.8
15	.6	.6	0	.6	1.3	1.5	1.9	2.1	1.2	1.1	.8	.8
16	.6	0	0	.6	1.3	1.5	1.6	2.1	1.3	1.1	.8	.8
17	0	.3	.3	.6	1.3	1.5	1.8	2.1	1.3	1.1	.8	.8
18	0	.5	.4	.6	1.3	1.5	1.9	1.9	1.3	1.1	.8	.8
19	.6	.8	.4	.6	1.3	1.5	2.4	1.7	1.3	1.1	.8	.8
20	.6	.8	.4	.4	1.3	1.5	2.2	1.7	1.3	1.1	.8	.8
21	.8	.8	.4	.4	1.3	1.5	2.1	1.7	1.3	.9	.8	.8
22	.8	.8	.4	.4	1.3	1.5	3.1	1.7	1.3	.9	.8	.8
23	.8	.8	1.3	.4	1.3	1.5	3.1	1.7	1.1	.9	.8	.8
24	.8	.8	1.3	.4	1.5	1.5	3.1	1.7	1.1	.9	.8	.8
25	.8	.8	1.3	.4	1.5	1.5	3.4	1.7	1.1	.9	.8	.8
26	.8	.8	1.3	.4	1.5	1.5	3.4	1.7	1.1	.9	.8	.8
27	.8	.8	1.3	.4	1.5	1.5	3.4	1.7	1.1	.9	.8	.8
28	.8	.8	1.3	.6	1.5	1.5	1.1	1.5	1.1	.9	.8	.8
29	.8	.8	1.3	.8	-	1.5	1.1	.4	1.1	.9	.8	.8
30	.8	.8	1.3	1.6	-	1.5	.8	.4	1.1	.9	.8	.8
31	.8	-	1.3	1.7	-	1.3	-	.4	-	.9	.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	19.6	0.8	0	0.63	39
November	22.2	.8	0	.74	44
December	23.1	1.3	0	.75	46
Calendar year 1934	349.8	2.4	0	.96	694
January	21.1	1.7	.4	.68	42
February	34.4	1.7	.6	1.23	68
March	39.7	1.5	0	1.28	79
April	50.0	3.4	.4	1.67	99
May	55.8	2.6	.4	1.80	111
June	32.3	1.3	.4	1.08	64
July	31.9	1.1	.9	1.03	63
August	25.8	.9	.8	.83	51
September	24.0	.8	.8	.80	48
Water year 1934-35	379.9	3.4	0	1.04	754

San Dimas Creek near San Dimas, Calif.

Location.- Water-stage recorder, lat. 34°08'45", long. 117°46'35", in SW¼NE¼ sec. 25, T. 1 N., R. 9 W., at mouth of San Dimas Canyon, 3 miles northeast of San Dimas. Altitude, about 1,245 feet.

Drainage area.- 18.3 square miles.

Records available.- April to September 1916 (discharge measurements only); December 1916 to September 1935.

Average discharge.- 18 years (1917-35), 3.47 second-feet.

Extremes.- Maximum discharge during year, 300 second-feet Mar. 28 (gage height, 2.50 feet); minimum, less than 0.1 second-foot at times during October and November.
1916-35: Maximum discharge, 1,140 second-feet Feb. 9, 1922; no flow for several periods during record.

Remarks.- Records good. Flood-control dam above gage regulates flow. San Dimas Water Co. diverts just below gage for irrigation. Results of a number of 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	-	-	0.2	0.3	*11	0.6	0.6	1.2	*6	6	5	3.0
2	-	-	.2	.3	*11	.7	1.9	1.1	*6	6	5	2.9
3	-	-	.2	.3	*12	.6	.5	.9	*6.5	6	5.5	2.9
4	-	-	.2	.3	*12	.6	.7	.8	*6.5	4.8	5.5	2.9
5	-	-	.2	2.0	7	.6	.6	.8	*6.5	4.1	5.5	2.9
6	-	-	.2	1.3	2.0	.6	.6	.8	6.5	4.6	5	2.8
7	-	-	.2	1.1	1.7	1.0	.7	.8	*7	3.8	5	2.6
8	-	-	.2	1.1	1.5	1.0	6.5	.9	*7	3.7	4.9	3.0
9	-	-	.2	1.3	1.1	1.1	2.3	.9	7	3.6	4.8	3.8
10	-	-	.2	3.6	.9	.9	2.9	.9	7	3.6	3.8	3.5
11	-	-	.2	3.7	.8	.8	1.7	.9	7	3.6	2.8	3.1
12	-	-	.2	3.8	.7	.7	2.6	.9	7	3.6	2.7	3.0
13	-	.1	1.8	4.1	.9	.7	1.9	.9	7	3.6	3.0	3.1
14	-	.1	6	4.1	1.0	.7	1.7	1.3	6.5	3.6	3.4	3.2
15	-	.1	2.0	5.5	1.0	.6	1.7	2.0	6	3.8	3.5	3.4
16	-	.3	1.2	5	.9	.5	1.7	1.7	5.5	4.7	4.0	3.6
17	3.6	.4	.9	5	.9	.5	2.8	2.5	5.5	5	5.5	3.2
18	2.6	.3	.6	6	.8	.6	1.2	2.5	5.5	4.5	5.5	2.9
19	.5	.3	.5	5.5	.8	.6	1.0	2.8	6	4.5	4.5	2.9
20	.1	*.3	.5	5	.8	.7	1.1	3.5	6	4.6	3.1	2.9
21	-	.2	.4	7	.8	.9	1.1	3.5	6	4.6	3.0	2.9
22	-	.2	.4	12	.8	.9	1.2	4.6	6	4.5	2.9	2.8
23	-	.2	.4	14	.8	2.3	1.2	6	5.5	4.5	2.9	2.5
24	-	.2	.4	14	.7	*1.0	1.2	4.7	5.5	4.5	3.6	2.6
25	-	.2	.4	13	.6	.9	3.9	4.7	5.5	4.5	4.1	2.9
26	-	.2	.4	12	.6	.8	1.1	4.7	5	4.4	3.7	3.1
27	-	.2	.4	*12	.6	2.3	1.1	4.2	5	4.4	3.4	3.2
28	-	.2	.6	*11	.6	11	1.2	4.0	4.9	4.4	3.4	3.3
29	-	.2	.5	*11	-	.8	1.3	5.5	6	4.7	3.2	3.3
30	-	.2	.4	*11	-	.7	1.3	6	6	5	3.2	4.2
31	-	-	.4	*11	-	.7	-	6	-	5	3.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7.71	-	-	0.25	15
November	4.15	-	-	.14	8.2
December	20.6	6	0.2	.66	41
Calendar year 1934	753.05	144	-	2.06	1,490
January	187.3	14	.3	6.04	372
February	74.3	12	.6	2.65	147
March	36.4	11	.5	1.17	72
April	49.3	6.5	.5	1.64	98
May	82.0	6	.8	2.65	163
June	183.4	7	4.9	6.11	364
July	138.2	6	3.6	4.46	274
August	124.4	5.5	2.7	4.01	247
September	92.4	4.2	2.5	3.08	183
Water year 1934-35	1,000.16	14	-	2.74	1,980

*Estimated.

Note.- Discharge less than 0.1 second-foot on days left blank.

Dalton Creek near Glendora, Calif.

Location.- Water-stage recorder, lat. 34°09'20", long. 117°49'50", at center of sec. 21, T. 1 N., R. 9 W., at Glendora Irrigation Co.'s dam a quarter of a mile above mouth and 2½ miles northeast of Glendora. Altitude, about 1,150 feet.

Drainage area.- 7.5 square miles.

Records available.- December 1919 to September 1935.

Average discharge.- 15 years (1920-35), 1.01 second-feet.

Extremes.- Maximum discharge during year, 14 second-feet Apr. 8 (gage height, 1.42 feet); no flow during parts of several months.
1919-35: Maximum discharge, 660 second-feet Feb. 16, 1927 (gage height, 3.30 feet); no flow for several periods each year.

Remarks.- Records good. Glendora Irrigation Co. diverts above gage through a 10-inch pipe line. A 12-inch pipe line diverts water just below gage. Storage at flood-control dam about 1 mile upstream. Results of a number of 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	0	0	0.1	0.4	0.5	0.4	0.4	0.7	0.1	0	0	0
2	0	0	.1	.5	.5	.6	.4	.7	.1	0	0	.1
3	0	0	.1	.7	.5	.6	.5	.6	.1	0	0	.1
4	0	0	.1	.8	1.4	.6	.6	.5	.1	0	.1	0
5	0	0	.1	2.5	1.6	.6	.6	.5	.1	0	.1	0
6	0	0	.1	1.6	1.6	.5	.5	.5	.1	0	0	0
7	0	0	.1	1.1	1.4	.7	.6	.5	.1	0	0	0
8	0	0	.1	.9	1.1	.7	5	.5	.1	0	.1	.1
9	0	0	.1	.9	.9	.7	2.1	.5	.1	.1	0	.1
10	0	0	.1	.9	.9	.6	1.6	.5	.1	.1	.1	0
11	0	0	.1	.7	.8	.5	1.4	.5	.1	0	.2	0
12	0	0	.1	.7	.7	.5	1.0	.5	.1	0	0	0
13	0	0	1.1	.7	.9	.5	.9	.5	.1	0	0	0
14	0	0	5.5	.7	1.0	.5	.9	.6	.1	0	0	0
15	0	0	1.9	1.6	.9	.5	.9	.6	.1	0	0	0
16	0	.1	1.9	1.1	.9	.5	.9	.6	.1	0	0	0
17	2.7	.1	.8	1.0	.8	.5	.9	.5	.1	0	0	0
18	1.1	.1	.7	1.2	.8	.5	.8	.4	.1	.1	.1	0
19	.6	.1	.6	1.4	.8	.5	.8	.3	.1	.1	0	0
20	.2	.1	.6	1.2	.8	.5	.7	.3	.1	.1	0	0
21	.1	.1	.6	1.1	.8	.5	.7	.1	0	.1	0	0
22	.1	.1	.6	1.1	.7	.5	.6	.1	0	.1	0	0
23	.1	.1	.6	1.0	.6	.5	.6	.1	.1	.1	0	0
24	0	.1	.6	.9	.5	.6	.6	.1	.1	.1	0	0
25	0	.1	.6	.8	.5	.5	.6	.1	.1	.2	0	0
26	0	.1	.6	.8	.5	.5	.6	.1	0	.1	0	0
27	0	.1	.5	.8	.4	.5	.6	.1	.1	.1	0	0
28	0	.1	1.0	.7	.4	.4	.6	.2	.1	0	0	0
29	0	.1	.8	.7	-	.4	.7	.4	.1	0	0	0
30	0	.1	.8	.6	-	.4	.8	.3	0	0	0	.1
31	0	-	.6	.5	-	.4	-	.2	-	0	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4.9	2.7	0	0.16	9.7
November	1.5	.1	0	.05	3.0
December	21.6	5.5	.1	.70	43
Calendar year 1934	251.26	62	0	.69	499
January	29.6	2.5	.4	.95	59
February	23.2	1.6	.4	.83	46
March	16.2	.7	.4	.52	32
April	27.9	5	.4	.93	55
May	12.1	.7	.1	.39	24
June	2.6	.1	0	.09	5.2
July	1.3	.2	0	.04	2.6
August	.8	.2	0	.03	1.6
September	.5	.1	0	.02	1.0
Water year 1934-35	142.2	5.5	0	.39	282

Little Dalton Creek near Glendora, Calif.

Location.- Water-stage recorder, lat. 34°09'30", long. 117°50'15", in SE¼ sec. 20 (revised), T. 1 N., R. 9 W., 500 feet above mouth of Little Dalton Canyon and 2 miles northeast of Glendora.

Drainage area.- 3.3 square miles.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year, 69 second-feet Apr. 8 (gage height, 1.26 feet); no flow for long periods.
1929-35: Maximum discharge, 201 second-feet Jan. 1, 1934; no flow for several months each year.

Remarks.- Entire record furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0	0.3	0.7	0.6	0.4	1.1				
2	0	0	0	.3	.7	1.4	.4	1.0				
3	0	0	0	.3	.8	1.1	.3	.8				
4	0	0	0	.3	2.1	1.3	.4	.7				
5	0	0	0	5	4.3	1.0	.4	.7				
6	0	0	0	1.4	3.0	.6	.4	.6				
7	0	0	0	1.0	1.9	1.6	.5	.6				
8	0	0	.3	1.0	1.9	1.1	26	.6				
9	0	0	0	1.6	1.6	1.1	4.3	.6				
10	0	0	0	1.3	1.4	1.0	3.8	.6				
11	0	0	0	1.3	1.4	.8	3.3	.6				
12	0	0	1.8	1.1	1.4	.8	3.0	.6				
13	0	0	9.5	1.1	1.4	.7	2.4	.6				
14	0	0	16	1.0	1.4	.6	2.1	.6				
15	0	0	2.7	5	1.4	.6	1.8	.6				
16	0	1.5	1.4	2.1	1.3	.6	1.6	.6				
17	11	1.1	.8	1.4	1.3	.6	1.4	.6				
18	1.2	.3	.6	4.8	1.1	.6	1.3	.6				
19	0	.7	.5	5.5	1.0	.5	1.4	.5				
20	0	0	.7	2.7	.8	.5	1.3	.4				
21	0	0	.7	2.1	.8	.5	1.3	.3				
22	0	0	.6	1.6	.7	.4	1.3	.3				
23	0	0	.6	1.4	.7	.4	1.3	.1				
24	0	0	.6	1.4	.7	1.3	1.1	0				
25	0	0	.3	1.3	.6	.7	1.0	0				
26	0	0	.3	1.1	.6	.6	1.0	0				
27	0	0	.3	1.1	.6	.5	1.0	0				
28	0	0	2.0	1.0	.6	.4	1.0	0				
29	0	0	.3	1.0	-	.4	1.6	0				
30	0	0	.3	.8	-	.4	1.4	0				
31	0	-	.3	.8	-	.4	-	0				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12.2	11	0	0.39	24
November	3.6	1.5	0	.12	7.1
December	40.6	16	0	1.31	81
Calendar year 1934	246.6	97	0	.68	489
January	52.1	5.5	.3	1.68	103
February	36.2	4.3	.6	1.29	72
March	23.1	1.6	.4	.75	46
April	68.1	26	.3	2.27	135
May	13.7	1.1	0	.44	27
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	249.6	26	0	.68	495

Note.- No flow during months left blank.

San Jose Creek near Whittier, Calif.

Location.- Water-stage recorder, lat. 34°01'25", long. 118°02'5", on Workman-Mill road bridge in Paso de Bartolo grant, about 3 miles north of Whittier.

Drainage area.- 85.2 square miles.

Records available.- January 1929 to September 1935.

Extremes.- Maximum discharge during year, 2,450 second-feet Oct. 17 (gage height, 5.74 feet); no flow at various times.
1929-35: Maximum discharge, 13,100 second-feet Jan. 1, 1934 (gage height, 12.12 feet); no flow at times during 1929-30, 1933-35.

Remarks.- Entire record furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0.1	0.1	0.2	0.3	0.3	0.3	0.4	0.4	0.2	0.3	0.3
2	.2	0	0	.2	.2	44	.2	.4	.3	.3	.3	.2
3	.2	0	0	.2	.2	20	.2	.9	.2	.3	.3	.2
4	.2	0	.1	.3	.6	5.5	.3	.7	.1	.3	.4	.2
5	.2	.1	0	87	57	4.6	.3	.5	.3	.3	.4	.2
6	.2	0	0	14	39	4.3	.2	.3	.5	.2	.7	.1
7	.2	0	.1	1.9	6	15	.5	.2	.5	.3	.5	0
8	.2	0	.4	.5	8	3.3	48	.1	.4	.2	.3	.1
9	.2	.1	.4	2.1	2.2	2.2	1.9	.3	.4	.2	.3	.1
10	.2	.1	.3	3.3	.7	1.6	.8	.3	.4	.3	.3	.1
11	.2	.1	.3	1.0	.4	.5	.4	.3	.3	.4	.3	.2
12	.2	.1	.4	.7	.3	.4	.3	.3	.3	.3	.3	.1
13	.3	0	441	.5	.3	.4	.3	.3	.3	.3	.3	0
14	.4	0	183	.4	.3	.3	.2	.2	.3	.3	.2	0
15	.3	.2	12	130	.3	.3	.2	.2	.2	.3	.2	.1
16	.4	16	.7	6	.3	.2	.1	.2	.3	.3	.3	0
17	396	2.1	.7	.5	.4	.2	.1	.2	.3	.3	.3	0
18	254	11	.4	.4	.3	.2	.3	.1	.3	.3	.4	0
19	12	14	.4	.3	.3	.2	.2	.1	.3	.3	.4	.2
20	1.5	1.5	.3	.3	.3	.2	.1	.1	.3	.3	.4	.2
21	1.1	.4	.4	.3	.3	.2	.1	.1	.3	.4	.3	.2
22	.8	.2	.3	.3	.3	.2	.1	.1	.3	.4	.3	.2
23	.5	.1	.3	.3	.3	.3	.1	.1	.3	.3	.2	.2
24	.3	.1	.3	.3	.3	4.1	.1	.1	.4	.4	.2	.2
25	.1	.1	.2	.3	.3	.8	.3	.1	.6	.4	.4	.2
26	.1	.1	.2	.3	.3	.4	.3	.2	.4	.4	.4	.2
27	.1	.1	.2	.3	.3	.3	.3	.2	.3	.3	.5	.2
28	.2	0	.4	.3	.3	.2	.3	.2	.3	.4	.7	.2
29	.2	0	.4	.3	-	.2	.3	.2	.3	.3	.2	.2
30	.1	0	.3	.3	-	.2	.4	.2	.3	.3	.8	.2
31	.1	-	.3	.3	-	.2	-	.3	-	.3	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	670.9	396	0.1	21.6	1,330
November	46.5	16	0	1.55	92
December	643.9	441	0	20.8	1,280
Calendar year 1934	4,408.8	2,950	0	12.1	8,740
January	253.1	130	.2	8.16	502
February	119.8	57	.2	4.28	238
March	110.8	44	.2	3.57	220
April	57.2	48	.1	1.91	113
May	7.9	.9	.1	.25	16
June	9.9	.6	.1	.33	20
July	9.6	.4	.2	.31	19
August	11.4	.8	.2	.37	23
September	4.3	.3	0	.14	8.5
Water year 1934-35	1,945.3	441	0	5.33	3,860

Brea Creek at Fullerton, Calif.

Location.- Water-stage recorder, lat. 33°52'30", long. 117°55'30", in San Juan Cajon de Santa Ana grant, in Fullerton City Park at Fullerton, Orange County.

Drainage area.- 27.5 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,600 second-feet Oct. 17 (gage height, 7.60 feet); no flow most of year.
1930-35: Maximum discharge, that of Oct. 17, 1934; no flow most of each year.

Remarks.- Records furnished by Orange County Flood Control District, through M. N. Thompson, chief engineer.

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	0	0	0	0	0					
2	0	0	0	0	0	3.0	0					
3	0	0	0	0	0	.5	0					
4	0	0	0	0	.1	0	0					
5	0	0	0	26	7	0	0					
6	0	0	0	.1	18	0	0					
7	0	0	0	0	1.0	12	0					
8	0	0	0	0	2.2	1.3	.6					
9	0	0	0	1.4	.1	.1	.1					
10	0	0	0	1.1	0	0	0					
11	0	0	0	.1	0	0	0					
12	0	0	.5	0	0	0	0					
13	0	0	85	0	0	0	0					
14	0	0	23	.1	0	0	0					
15	0	1.0	.1	10	0	0	0					
16	0	6	0	.5	0	0	0					
17	266	0	.2	0	0	0	0					
18	34	2.0	0	.9	0	0	0					
19	0	4.0	0	1.7	0	0	0					
20	0	0	0	.1	0	0	0					
21	0	0	0	0	0	0	0					
22	0	0	0	0	0	0	0					
23	0	0	0	0	0	0	0					
24	0	0	0	0	0	.1	0					
25	0	0	0	0	0	0	0					
26	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0					
29	0	0	0	0	-	0	0					
30	0	0	0	0	-	0	0					
31	0	-	0	0	-	0	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	300	266	0	9.7	595
November	13.0	6	0	.43	26
December	108.8	85	0	3.51	216
Calendar year 1934	591.1	266	0	1.62	1,170
January	42.0	26	0	1.35	83
February	28.4	18	0	1.01	56
March	17.0	12	0	.55	34
April	.7	.6	0	.02	1.4
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	509.9	266	0	1.40	1,010

Note.- No flow during months left blank.

Carbon Creek at Olinda, Calif.

Location.- Water-stage recorder, lat. 33°54'50", long. 117°50'20", in NE¼ sec. 17, T. 3 S., R. 9 W., on Rose Drive bridge half a mile south of Olinda.

Drainage area.- 19.1 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 102 second-feet Mar. 7 (gage height, 1.35 feet); no flow most of year.
1930-35: Maximum discharge, 728 second-feet Jan. 1, 1934 (gage height, 5.30 feet); no flow most of each year.

Remarks.- Records furnished by Orange County Flood Control District, through M. N. Thompson, chief engineer.

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	0	0	0	0					
2	0		0	0	0	.8	0					
3	0		0	0	0	0	0					
4	0		0	0	0	0	0					
5	0		0	9	.1	0	0					
6	0		0	.5	.7	0	0					
7	0		0	.1	0	16	0					
8	0		0	0	.3	.5	.3					
9	0		0	.1	0	0	0					
10	0		0	.2	0	0	0					
11	0		0	0	0	0	0					
12	0		0	0	0	0	0					
13	0		9	0	0	0	0					
14	0		7	0	0	0	0					
15	0		0	1.6	0	0	0					
16	0		0	0	0	0	0					
17	50		0	0	0	0	0					
18	19		0	.1	0	0	0					
19	0		0	.4	0	0	0					
20	0		0	0	0	0	0					
21	0		0	0	0	0	0					
22	0		0	0	0	0	0					
23	0		0	0	0	0	0					
24	0		0	0	0	0	0					
25	0		0	0	0	0	0					
26	0		0	0	0	0	0					
27	0		0	0	0	0	0					
28	0		0	0	0	0	0					
29	0		0	0	-	0	0					
30	0		0	0	-	0	0					
31	0		0	0	-	0	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	69	50	0	2.2	137
November	0	0	0	0	0
December	16	9	0	.5	32
Calendar year 1934	225.0	129	0	.62	447
January	12.0	9	0	.39	24
February	1.1	.7	0	.04	2.2
March	17.3	16	0	.56	34
April	.3	.3	0	.01	.6
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	116.7	50	0	.32	230

Note.- No flow during months left blank.

Los Angeles River at Los Angeles, Calif.

Location.- Water-stage recorder, lat. 34°04'50", long. 118°13'35", on Figueroa Street Bridge, Los Angeles, 0.1 mile above junction with Arroyo Seco.

Drainage area.- 510 square miles.

Records available.- December 1929 to September 1935.

Extremes.- Maximum discharge during year, 2,400 second-feet Apr. 8; minimum, 0.07 second-foot Feb. 24.
1929-35: Maximum discharge, 22,000 second-feet Jan. 1, 1934 (gage height, 16.4 feet); no flow for several periods most years.

Remarks.- Entire record furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0.5	3.8	4.5	6.5	5	12	21	1.8	1.8	0.5	1.8
2	.2	.5	7.5	.4	420	7.5	21	1.8	1.8	.5	1.8	
3	.3	.4	.3	11	.1	42	15	6.5	1.8	1.2	.6	1.8
4	.3	.5	.2	66	63	18	16	6	1.8	1.8	1.2	1.8
5	.3	1.2	.3	568	139	27	9.5	5	1.8	2.4	1.2	1.8
6	.2	1.8	.5	48	120	18	10	4.5	1.8	2.4	1.8	1.2
7	.2	1.2	.6	46	28	131	23	3.8	2.4	1.8	3.1	1.2
8	.2	2.4	40	30	37	44	553	3.1	1.8	1.8	1.2	1.2
9	.3	2.4	3.1	72	30	28	136	4.5	2.4	1.8	.5	1.8
10	.2	3.1	2.4	50	22	16	42	4.5	3.1	1.2	1.8	.6
11	.2	3.8	3.1	37	32	7.5	39	5	3.8	3.1	2.4	.5
12	.3	4.5	12	12	34	17	34	6	3.8	2.4	1.8	.6
13	.2	3.8	371	7.5	30	7.5	37	3.8	3.1	1.8	1.8	.5
14	.2	3.6	433	2.4	17	9.5	32	3.1	2.4	1.8	1.8	.6
15	.2	12	60	233	18	.4	26	2.4	2.4	1.2	1.8	.5
16	.3	76	5	9.5	4.5	.4	25	.6	3.1	.6	1.8	1.2
17	212	36	3.8	3.1	8.5	11	19	.6	2.4	.6	1.2	1.2
18	101	6	3.8	67	8.5	6	19	1.2	2.4	.6	1.8	1.8
19	5	44	4.5	59	5.9	10	17	1.2	2.4	1.2	1.8	1.2
20	3.8	16	1.8	36	.2	7.5	11	1.2	1.8	1.8	1.2	2.4
21	3.8	7.5	2.4	17	.2	19	11	1.8	1.2	3.1	.6	3.1
22	3.8	7.5	.6	3.1	.2	1.8	6	3.1	1.2	3.1	1.2	3.8
23	3.8	6	1.8	1.8	.2	32	7.5	3.1	1.2	1.8	1.8	2.4
24	2.4	3.1	2.4	2.4	.1	52	.6	3.8	1.8	1.2	.5	.6
25	2.4	3.1	.6	3.6	16	7.5	1.2	3.8	1.2	.5	.6	1.2
26	3.1	3.1	.4	9.5	12	12	2.4	3.8	1.8	.5	1.8	1.2
27	4.5	4.5	.3	6.5	3.1	1.8	3.1	5	2.4	.5	2.4	1.2
28	3.6	1.8	94	3.8	3.1	15	3.1	3.8	3.1	.6	2.4	1.2
29	3.8	3.1	.5	11	-	12	55	1.8	2.4	.6	1.2	.6
30	.6	4.5	5	11	-	10	40	2.4	2.4	1.2	1.8	1.2
31	4.5	-	8.5	5	-	11	-	1.2	-	1.2	2.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	362	212	0.1	11.7	718
November	264.1	76	.4	8.80	524
December	1,066.2	433	.2	34.4	2,110
Calendar year 1934	11,797.2	5,990	.1	32.3	23,400
January	1,444.4	568	1.8	46.6	2,860
February	639.5	139	.1	22.8	1,270
March	999.9	420	.4	32.3	1,980
April	1,212.9	553	.6	40.4	2,410
May	138.6	21	.6	4.47	275
June	66.6	3.8	1.2	2.23	132
July	47.4	3.1	.5	1.53	94
August	46.5	3.1	.5	1.50	92
September	42.0	3.8	.5	1.40	83
Water year 1934-35	6,330.3	568	.1	17.3	12,550

Los Angeles River near Downey, Calif.

Location.- Water-stage recorder, lat. 33°56'45", long. 118°10'25", in San Antonio grant, on Stewart and Gray road bridge half a mile above junction with Rio Hondo and 2⅔ miles west of Downey, Los Angeles County.

Drainage area.- 614 square miles.

Records available.- March 1928 to September 1935.

Extremes.- Maximum discharge during year, 10,380 second-feet Jan. 5 (gage height, 6.71 feet); no flow at various times.
1928-35: Maximum discharge, 29,400 second-feet Jan. 1, 1934 (gage height, 11.2 feet); no flow during part of most years.

Remarks.- Entire record furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	2.5	46	4.5	1.5	5.5	25	1.8	1.8	0.4	2.2
2	.5	3.5	0	52	3.3	1,080	3.0	17	1.8	1.2	1.2	.2
3	1.5	1.0	0	55	.8	153	5	11	.8	2.0	1.2	0
4	1.5	0	2.0	118	156	32	10	8.5	.6	3.0	0	.8
5	1.5	0	1.5	1,360	322	20	5	6.5	.6	1.5	0	3.0
6	1.5	0	1.5	452	537	21	0	3.6	1.5	0	0	4.0
7	0	0	2.0	210	260	345	44	3.6	1.2	0	.2	3.0
8	0	1.0	272	175	170	106	1,430	3.6	1.2	0	.8	2.0
9	0	0	34	297	105	46	222	3.6	1.0	0	.4	0
10	3.5	0	22	58	70	15	73	2.8	.2	.8	0	0
11	3.5	0	21	.5	48	5	50	2.5	.2	1.0	0	.4
12	3.5	0	114	0	43	11	43	2.5	0	1.2	0	.8
13	3.0	0	797	0	34	4.0	37	1.8	.2	1.0	0	2.0
14	.5	0	420	0	17	6	28	1.2	.6	.8	.4	1.8
15	.5	14	16	958	17	2.0	24	1.8	1.2	0	1.2	1.2
16	3.5	395	.5	165	1.8	1.5	20	2.0	.8	0	.6	0
17	565	152	1.0	4.5	0	3.0	17	1.8	.6	.8	.2	0
18	256	92	2.0	38	3.0	3.0	13	1.5	.6	1.0	0	0
19	66	174	1.0	55	0	3.5	11	1.0	.6	1.5	0	.6
20	6	10	2.0	30	0	5.5	8.5	.4	1.5	1.5	0	1.0
21	0	3.0	3.0	21	1.5	4.0	7	.6	1.8	1.5	.6	1.2
22	0	2.5	3.0	13	1.5	3.0	6	.8	2.0	1.0	2.0	1.2
23	0	1.5	0	6	1.5	38	5	.8	2.0	.6	1.8	.6
24	0	0	1.5	5.5	0	166	7.5	1.2	.8	1.0	1.8	.4
25	2.5	0	3.0	9.5	0	8	6	1.8	0	1.0	1.5	.6
26	3.0	1.0	3.0	9.5	2.5	5.5	5	1.5	.2	1.0	0	1.2
27	3.0	3.0	2.0	2.8	1.5	1.5	5.5	1.2	.8	1.2	.2	2.0
28	1.0	4.5	394	2.5	1.0	7	5	.8	2.0	1.0	1.2	1.2
29	2.5	2.5	110	4.5	-	1.5	91	.8	2.8	0	1.5	.4
30	4.5	2.5	63	4.0	-	5	61	1.2	2.8	0	1.8	0
31	4.5	-	60	6.5	-	3.5	-	1.5	-	0	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	937.5	565	0	30.2	1,860
November	870.0	395	0	29.0	1,730
December	2,354.5	797	0	76.0	4,670
Calendar year 1934	16,470.4	8,550	0	45.1	32,680
January	4,158.8	1,360	0	134	8,250
February	1,801.9	537	0	64.4	3,570
March	2,107	1,080	1.5	68.0	4,180
April	2,248	1,430	0	74.9	4,460
May	113.9	25	.4	3.67	226
June	32.2	2.8	0	1.07	64
July	27.4	3.0	0	.88	54
August	21.0	2.0	0	.68	42
September	31.8	4.0	0	1.06	63
Water year 1934-35	14,704.0	1,430	0	40.3	29,170

Los Angeles River at Long Beach, Calif.

Location.- Water-stage recorder, lat. 33°47'25", long. 118°12'20", on State Street Bridge at Long Beach, Los Angeles County.

Drainage area.- About 1,060 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge during year, 11,100 second-feet Apr. 8 (gage height, 9.12 feet); minimum, 1.5 second-feet Nov. 3 (gage height, 4.37 feet).
1928-35: Maximum discharge, 37,500 second-feet Jan. 1, 1934 (gage height, 12.55 feet); no flow at times during 1929, 1930, 1934.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	7	3.1	3.1	5.5	16	4.0	4.0	57	4.6	4.2	5.5	5.5
2	7	1.7	2.9	4.6	9	1,320	4.2	16	4.9	4.9	4.2	4.6
3	7	1.6	2.9	4.9	8	378	4.0	18	4.6	4.9	5.5	6
4	7	1.8	2.9	82	81	33	6.5	5.5	4.9	5.5	6	4.9
5	6.5	2.2	2.9	2,220	610	6	6.5	5.5	4.9	4.6	7	4.9
6	6.5	3.3	2.9	336	452	18	4.9	5.5	6.5	4.6	8	4.6
7	6.5	3.3	3.1	51	180	399	4.6	5.5	6	5.5	10	4.6
8	6	3.3	255	36	145	238	2,930	5.5	6.5	4.2	9	5.5
9	4.9	3.1	84	211	33	180	296	6.5	5.5	3.8	9	4.9
10	4.2	2.9	18	315	92	88	92	4.6	4.6	3.3	7	4.9
11	4.0	2.9	10	92	18	51	60	4.0	4.6	4.2	5.5	4.9
12	4.0	2.9	24	48	6	24	26	4.6	4.2	3.6	6	4.9
13	4.2	2.7	1,350	14	6.5	28	64	4.6	4.2	4.6	7	5.5
14	5.5	2.7	792	6.5	9	18	100	4.6	4.6	4.9	6.5	4.9
15	8	4.0	252	624	6.5	20	57	4.9	4.2	4.2	8	4.9
16	6.5	523	33	105	4.0	6.5	28	4.9	4.0	4.2	6	4.6
17	530	110	6.5	26	2.0	2.9	20	4.6	2.5	4.2	3.1	4.2
18	567	267	4.9	10	2.7	6.5	12	4.9	3.6	4.9	4.6	4.6
19	145	408	5.5	120	4.6	6.5	14	4.6	3.8	4.6	4.6	4.0
20	8	174	4.9	26	5.5	6	8	4.2	4.2	4.9	4.2	4.0
21	4.2	45	3.6	10	4.2	5.5	4.6	4.9	3.8	4.2	3.1	4.6
22	2.5	9	3.8	4.6	4.2	5.5	6	4.6	3.8	5.5	4.0	4.2
23	2.9	7	4.0	6	4.0	6	6.5	4.6	3.8	5.5	4.2	4.2
24	2.0	6	3.8	9	3.8	250	9	4.9	4.0	6.5	4.6	4.9
25	3.6	4.2	4.0	6	4.0	20	9	4.6	3.3	6	4.6	4.9
26	3.3	4.0	3.8	7	4.6	4.6	6.5	4.6	3.6	5.5	4.2	4.9
27	2.9	3.8	4.6	8	4.2	4.9	6	4.6	2.9	5.5	4.6	4.9
28	2.2	3.1	341	7	4.9	7	5.5	4.6	3.6	4.9	4.9	4.9
29	2.2	3.1	60	9	-	14	16	4.2	4.0	4.6	4.6	5.5
30	2.0	3.1	6.5	24	-	4.9	135	4.6	4.2	6	4.2	5.5
31	2.9	-	4.6	22	-	5.5	-	4.2	-	6	4.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,375.5	567	2.0	44.4	2,730
November	1,611.8	523	1.6	53.7	3,200
December	3,300.2	1,350	2.9	106	6,550
Calendar year 1934	32,575.3	19,900	0	89.2	64,620
January	4,450.1	2,220	4.6	144	8,830
February	1,724.7	610	2.0	61.6	3,420
March	3,161.3	1,320	4.0	102	6,270
April	3,945.8	2,930	4.0	132	7,830
May	225.9	57	4.0	7.29	448
June	129.9	6.5	2.5	4.33	258
July	150.0	6.5	3.3	4.84	298
August	174.3	10	3.1	5.62	346
September	145.4	6	4.0	4.85	288
Water year 1934-35	20,394.9	2,930	1.6	55.9	40,470

Pacoima Creek near San Fernando, Calif.

Location.- Water-stage recorder, lat. 34°20'2", long. 118°23'55", in SE¼NE¼ sec. 24, T. 3 N., R. 15 W., 600 feet above mouth of canyon and 4 miles northeast of San Fernando.

Drainage area.- 27.9 square miles.

Records available.- March 1916 to September 1935.

Average discharge.- 18 years (1917-35), 5.43 second-feet.

Extremes.- Maximum daily discharge during year (estimated), 174 second-feet Aug. 21; no flow for several periods.
1916-35: Maximum discharge, about 1,860 second-feet Feb. 16, 1927; usually no flow for several months each year.

Remarks.- Entire flow regulated by flood-control dam above gage. Daily discharge record 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	0	0	0	1.9	32	0.5	0.4	10	6.5	5	1.8	3.3
2	0	.2	0	1.8	0	.6	0	11	28	4.9	1.8	1.6
3	0	0	0	1.8	0	.4	0	11	59	4.4	1.8	0
4	0	0	0	.8	0	.2	0	8.5	39	4.4	2.0	2.5
5	0	.1	0	22	.2	.2	0	9.5	7.5	4.7	2.3	1.6
6	0	0	0	31	0	.2	0	16	7.5	4.4	3.4	0
7	0	0	0	10	0	.2	0	26	7	4.7	3.3	0
8	0	1.4	0	0	0	.3	.1	26	7	4.7	3.3	0
9	0	.8	0	0	0	.4	0	24	6.5	4.4	3.1	0
10	0	0	0	0	.1	.4	0	24	6.5	4.2	2.5	0
11	0	0	0	0	26	.4	0	21	8	4.4	3.0	0
12	0	.4	.1	0	48	.4	0	26	4.7	4.4	3.5	0
13	0	.8	2.7	0	54	.5	0	26	4.7	4.0	6.5	3.7
14	0	.8	1.9	0	53	.5	0	41	4.6	3.8	6	5
15	0	.8	.2	0	30	.5	0	66	5.5	3.2	6.5	4.0
16	0	1.7	0	7	0	.5	.2	97	6.5	3.0	7.5	3.8
17	17	.3	0	15	0	.5	.1	61	6.5	3.0	6.5	2.4
18	0	0	0	30	37	.5	.1	14	6	2.8	5.5	1.1
19	.2	0	0	3.8	56	.6	0	26	6	2.8	2.8	0
20	.4	1.8	0	8.5	54	.6	0	43	5.5	1.3	.2	2.6
21	.4	2.6	0	13	19	.6	0	65	6	0	2.1	.1
22	.4	.9	0	27	.7	.6	0	56	5.5	0	4.0	.1
23	.9	0	0	37	.6	.6	0	49	5.5	0	5.5	0
24	1.5	0	0	40	.4	.7	0	47	5.5	0	0	0
25	1.3	0	0	31	.4	.8	.1	29	4.9	0	0	0
26	.3	0	0	16	.4	.8	.2	30	5	0	1.9	.1
27	0	1.4	0	22	.4	.9	7.5	43	4.9	0	.1	.1
28	0	2.9	.3	33	.4	.8	11	50	4.9	0	5	0
29	0	.6	6	47	-	.6	10	46	4.7	1.1	7	0
30	0	0	10	52	-	.6	8.5	28	4.9	2.0	9	0
31	0	-	6	46	-	.6	-	19	-	1.9	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	22.4	17	0	0.72	44
November	17.5	2.9	0	.58	35
December	27.2	10	0	.88	54
Calendar year 1934	1,248.4	40	0	3.42	2,470
January	497.6	52	0	16.1	987
February	412.6	56	0	14.7	818
March	16.0	.9	.2	.52	32
April	38.2	11	0	1.27	76
May	1,049.0	97	8.5	33.8	2,080
June	284.3	59	4.6	9.48	564
July	83.5	5	0	2.69	166
August	113.9	9	0	3.67	226
September	31.9	5	0	1.06	63
Water year 1934-35	2,594.1	97	0	7.11	5,140

Tujunga Creek near Colby ranch, Calif.

Location.- Water-stage recorder, lat. 34°18'10", long. 118°9'35", 25 feet above Edison road crossing, 300 feet below Lucas Creek, 4 miles above Tujunga flood-control dam no. 1, and 3½ miles west of Colby ranch.

Drainage area.- 66.9 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 640 second-feet Apr. 8 (gage height, 9.73 feet); no flow for several periods.
1930-35: Maximum discharge, 3,910 second-feet Feb. 8, 1932; no flow part of each year.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0.4	0.9	7	14	13	14	17	7	1.6	0	0.2
2	0	.4	.9	6	14	19	13	17	6	2.0	0	.2
3	0	.4	.9	6	13	19	13	16	6	2.3	0	.2
4	0	.4	.9	7.5	18	19	13	16	5.5	1.9	0	.1
5	0	.4	.8	182	120	18	13	15	5	1.6	0	.1
6	0	.4	.8	68	93	18	12	15	4.6	1.2	0	.1
7	0	.3	.8	46	64	23	12	14	4.4	1.2	0	.1
8	0	.3	3.8	38	55	24	296	14	4.2	1.0	0	.1
9	0	.4	5	53	46	23	133	13	3.8	.9	0	.1
10	0	.4	3.2	66	41	22	82	12	3.7	.8	0	0
11	0	.4	2.1	50	37	22	66	12	3.4	.6	0	0
12	0	.4	2.4	39	33	22	55	12	3.2	.4	0	0
13	0	.5	126	34	29	22	48	12	3.0	.4	0	0
14	0	.5	164	29	26	22	42	11	2.9	.4	0	0
15	0	.6	79	63	25	21	38	11	2.9	.3	0	0
16	0	3.5	36	42	23	19	37	11	2.9	.3	0	0
17	14	2.4	29	36	21	18	34	11	2.7	.2	0	0
18	21	2.1	20	34	19	17	30	10	2.6	.2	0	0
19	1.8	2.6	14	32	18	16	29	10	2.4	.2	0	0
20	.9	2.1	11	27	16	16	27	9.5	2.3	.1	0	0
21	.8	1.7	10	25	15	16	25	9	2.1	.1	0	0
22	.8	1.6	9	24	15	16	24	8	2.0	.1	0	0
23	.5	1.4	8	24	14	16	23	8	1.9	.1	0	0
24	.3	1.4	7	23	14	20	22	7.5	1.7	.1	.7	0
25	.2	1.2	6.5	23	14	20	20	7	1.6	.1	.7	0
26	.2	1.2	6	22	13	20	20	7	1.4	.1	.4	0
27	.2	1.2	5	20	13	18	18	7	1.3	.1	.3	0
28	.2	1.2	10	19	13	17	18	7	1.2	0	.3	0
29	.2	1.1	8.5	18	-	15	19	7	1.2	0	.2	0
30	.2	1.0	8	16	-	14	19	7	1.2	0	.2	0
31	.2	-	7.5	16	-	14	-	7	-	0	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	41.5	14	0	1.34	82
November	31.9	3.5	.3	1.06	63
December	587.0	164	.8	18.9	1,160
Calendar year 1934	2,055.57	707	0	5.63	4,080
January	1,095.5	182	6	35.3	2,170
February	836	120	13	29.9	1,660
March	579	24	13	18.7	1,150
April	1,215	296	12	40.5	2,410
May	340.0	17	7	11.0	674
June	94.1	7	1.2	3.14	187
July	18.3	2.3	0	.59	36
August	3.0	.7	0	.10	6.0
September	1.2	.2	0	.04	2.4
Water year 1934-35	4,842.5	296	0	13.3	9,600

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Tujunga Creek near Sunland, Calif.

Location.- Water-stage recorder, lat. 34°17'55", long. 118°16'10", near center of sec. 32, T. 3 N., R. 13 W. (unsurveyed), a quarter of a mile downstream from a partly constructed and abandoned dam, 2 miles above mouth of canyon, and 4 miles northeast of Sunland.

Drainage area.- 106 square miles.

Records available.- October 1916 to September 1935.

Average discharge.- 18 years (1917-35), 21.9 second-feet.

Extremes.- Maximum discharge during year, 671 second-feet Apr. 8 (gage height, 7.96 feet); minimum, 2.0 second-feet June 28.
1916-35: Maximum discharge, 8,500 second-feet Dec. 19, 1921 (gage height, 6.20 feet); minimum, 0.1 second-foot during summer months of 1919, 1924, 1928-31.

Remarks.- Discharge regulated by flood-control dam 7 miles upstream. There are two or three small irrigation diversions above gage. Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	3.8	4.1	9	8.5	26	8	39	9.5	7	24	23
2	7.5	3.4	4.4	9	7.5	36	7.5	32	9.5	8	24	22
3	6	3.6	4.1	9	13	27	8	31	9	10	23	22
4	7.5	3.6	4.1	10	19	27	8.5	30	8.5	16	23	21
5	6.5	3.4	4.1	71	34	26	8	28	6.5	17	23	21
6	6.5	3.4	4.1	37	32	24	7.5	21	4.4	17	23	22
7	6.5	3.4	4.1	29	32	38	8.5	16	5	17	23	22
8	5.5	3.4	8	26	34	15	354	16	6.5	21	23	23
9	5.5	3.4	4.8	33	32	12	183	16	6.5	24	23	23
10	5.5	3.4	4.8	42	31	12	91	21	7	21	23	23
11	5	3.4	5	34	30	10	81	23	6	25	23	22
12	5.5	3.8	6	18	29	10	67	23	6	26	23	22
13	6	3.8	52	37	28	10	76	22	5.5	26	23	21
14	6	3.8	82	41	31	9.5	59	23	5	26	23	21
15	5.5	4.4	22	95	31	9.5	35	21	5	26	23	21
16	5.5	8.5	15	88	31	9	35	21	5.5	26	23	20
17	23	5	12	83	30	9	35	21	5.5	26	22	20
18	26	5	10	53	30	8.5	34	21	4.8	26	22	21
19	7	7.5	9	23	29	8.5	34	21	4.1	26	22	22
20	4.1	5.5	8	20	28	8	34	19	6.5	26	22	22
21	3.8	4.8	8	28	27	8.5	34	16	3.0	26	23	23
22	5.5	4.8	8.5	32	26	8.5	35	15	2.8	26	24	23
23	4.8	4.4	8.5	34	26	10	36	14	2.8	26	23	23
24	4.8	3.8	9	39	26	17	39	13	2.8	26	24	26
25	4.8	4.1	9	34	25	10	34	14	2.8	26	26	27
26	4.8	4.1	9.5	34	25	10	28	13	2.8	26	26	26
27	4.1	4.4	11	35	26	9	28	13	2.6	26	26	26
28	4.1	4.4	20	35	26	9	37	13	2.6	25	24	26
29	3.4	4.4	11	36	-	8.5	52	12	4.4	25	24	26
30	3.0	4.4	10	36	-	8	68	10	5	25	24	25
31	3.0	-	10	26	-	8	-	10	-	25	23	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	205.7	26	3.0	6.64	408
November	129.1	8.5	3.4	4.30	256
December	382.1	82	4.1	12.3	758
Calendar year 1934	4,027.8	634	1.4	11.0	7,990
January	1,136	95	9	36.6	2,250
February	747	34	7.5	26.7	1,480
March	441.5	38	8	14.2	876
April	1,565	354	7.5	52.2	3,100
May	610	39	10	19.7	1,210
June	157.9	9.5	2.6	5.26	313
July	699	26	7	22.5	1,390
August	725	26	22	23.4	1,440
September	685	27	20	22.8	1,360
Water year 1934-35	7,483.3	354	2.6	20.5	14,840

Fox Creek near Colby ranch, Calif.

Location.- Water-stage recorder, lat. 34°18'20", long. 118°10'40", half a mile above junction with Tujunga Creek and 4 miles west of Colby ranch, Los Angeles County.

Drainage area.- 9.35 square miles.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 314 second-feet Oct. 18 (gage height, 3.03 feet); minimum, less than 0.1 second-foot several days.
1930-35: Maximum discharge, 400 second-feet Feb. 8, 1932; no flow at various times.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0.2	0.8	2.3	1.7	1.9	3.0	1.2	0.5	0.1	0.1
2	-	.1	.2	.8	2.3	3.3	1.9	2.8	1.1	.6	.1	.1
3	-	.1	.2	.9	2.1	2.8	1.9	2.8	1.0	.5	.1	.1
4	-	.1	.2	.9	2.5	3.0	2.1	2.5	.9	.4	.1	.1
5	-	.1	.2	17	4.9	3.0	1.9	2.3	.9	.4	.1	.1
6	-	.1	.2	7	3.3	3.0	1.9	2.1	.9	.5	-	-
7	-	.1	.2	6.5	3.0	3.6	1.9	1.9	.8	.5	-	.1
8	-	.1	.4	6	3.3	3.6	15	1.9	.7	.5	-	.1
9	-	.1	-	6.5	3.3	3.3	7	1.9	.6	.5	-	.1
10	-	.1	-	3.9	3.6	3.3	6	1.9	.6	.4	-	-
11	-	.1	-	3.0	3.6	3.0	5.5	1.9	.6	.4	-	-
12	-	.1	-	2.5	4.2	2.8	5	2.1	.6	.3	-	-
13	-	.1	8	1.9	4.2	2.8	4.9	2.1	.6	.3	-	-
14	-	.1	17	1.5	4.2	2.1	4.5	2.1	.6	.3	-	-
15	-	.2	3.3	9	4.5	1.9	3.9	2.1	.6	.3	.1	-
16	-	.6	1.7	4.5	4.5	1.7	3.6	2.1	.6	.3	.1	-
17	14	.3	1.2	4.2	4.2	1.5	3.9	2.1	.6	.3	-	-
18	29	.3	.9	7	3.6	1.4	3.9	1.9	.6	.2	-	-
19	.5	.6	.9	6	3.3	1.5	3.6	1.7	.6	.2	-	-
20	.2	.3	.9	4.5	2.8	1.7	3.6	1.5	.6	.2	-	-
21	.1	.3	1.5	3.6	2.3	1.9	3.3	1.4	.6	.2	-	-
22	-	.2	2.3	3.3	2.1	2.1	3.3	1.2	.6	.2	-	-
23	-	.2	2.3	3.0	2.1	2.3	3.0	1.1	.5	.2	-	-
24	-	.2	2.3	2.8	2.1	2.8	3.0	1.1	.5	.2	.1	-
25	-	.2	2.3	2.8	2.1	2.8	3.0	1.1	.4	.2	.1	-
26	-	.2	1.4	2.5	2.1	2.5	3.0	1.1	.4	.2	.1	-
27	-	.2	1.0	2.5	1.9	2.3	3.0	1.1	.4	.2	.1	-
28	-	.2	1.4	3.0	1.7	2.3	3.0	1.1	.4	.1	.1	-
29	-	.2	.9	2.3	-	2.1	3.3	1.2	.4	.2	-	-
30	-	.2	.9	2.3	-	1.9	3.0	1.4	.4	.1	.1	.1
31	-	-	.8	2.3	-	1.9	-	1.4	-	.1	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	45.4	29	-	*1.46	90
November	5.8	.6	0.1	.19	12
December	53.5	17	-	*1.73	106
Calendar year 1934	434.97	89	-	1.19	863
January	124.8	17	.8	4.03	248
February	86.1	4.9	1.7	3.08	171
March	75.9	3.6	1.4	2.45	151
April	114.8	15	1.9	3.82	228
May	55.9	3.0	1.1	1.80	111
June	19.3	1.2	.4	.64	38
July	9.5	.6	.1	.31	19
August	2.8	.1	-	*.09	5.6
September	1.4	.1	-	*.05	2.8
Water year 1934-35	595.2	29	-	1.63	1,180

*Estimated.

Note.- Discharge less than 0.1 second-foot on days left blank.

Little Tujunga Creek near San Fernando, Calif.

Location.- Water-stage recorder, lat. 34°16'30", long. 118°22'20", in Tujunga grant, on Foothill Boulevard bridge 4 miles east of San Fernando, Los Angeles County.

Drainage area.- 21.0 square miles.

Records available.- December 1928 to September 1935.

Extremes.- Maximum discharge during year, 89 second-feet Dec. 13 (gage height, 3.32 feet); no flow most of year.
1928-35: Maximum discharge, 1,360 second-feet Jan. 1, 1934 (gage height, 6.06 feet); no flow most of each year.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0	0	0	0	0					
2	0	0	0	0	0	33	0					
3	0	0	0	0	0	6	0					
4	0	0	0	0	0	2.6	0					
5	0	0	0	16	4.2	1.2	0					
6	0	0	0	1.4	.8	0	0					
7	0	0	0	.8	.5	2.0	0					
8	0	0	.2	.5	.1	3.0	13					
9	0	0	0	.5	0	1.8	2.2					
10	0	0	0	.2	0	0	.1					
11	0	0	0	0	0	0	0					
12	0	0	0	0	0	0	0					
13	0	0	63	0	0	0	0					
14	0	0	29	0	0	0	0					
15	0	0	0	26	0	0	0					
16	0	7	0	5	0	0	0					
17	0	0	0	3.2	0	0	0					
18	.4	0	0	2.0	0	0	0					
19	0	.4	0	1.0	0	0	0					
20	0	0	0	.5	0	0	0					
21	0	0	0	.2	0	0	0					
22	0	0	0	0	0	0	0					
23	0	0	0	0	0	0	0					
24	0	0	0	0	0	1.3	0					
25	0	0	0	0	0	0	0					
26	0	0	0	0	0	0	0					
27	0	0	0	0	0	0	0					
28	0	0	0	0	0	0	0					
29	0	0	0	0	-	0	0					
30	0	c	0	0	-	0	0					
31	0		0	0	-	0	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.4	0.4	0	0.01	0.8
November	7.4	7	0	.25	15
December	92.2	63	0	2.97	183
Calendar year 1934	457.6	258	0	1.25	908
January	57.3	26	0	1.85	114
February	5.6	4.2	0	.20	11
March	50.9	33	0	1.64	101
April	15.3	13	0	.51	30
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	229.1	63	0	.63	455

Note.- No flow during months left blank.

Arroyo Seco near Pasadena, Calif.

Location.- Water-stage recorder, lat. 34°13'20", long. 118°10'40", near north line of sec. 31 (revised), T. 2 N., R. 12 W., 1⅛ miles above mouth of Millard Canyon and 5½ miles northwest of Pasadena. Altitude, about 1,400 feet.

Drainage area.- 16.4 square miles.

Records available.- December 1910 to September 1935.

Average discharge.- 21 years (1913-15, 1916-35), 8.57 second-feet.

Extremes.- Maximum discharge during year (estimated), 2,000 second-feet Oct. 17 (gage height, 8.60 feet); minimum, less than 0.1 second-foot Oct. 1-16.
1910-35: Maximum discharge, about 5,630 second-feet Feb. 20, 1914; practically no flow for several periods each year.

Remarks.- Records poor. Discharge estimated Oct. 1 to Feb. 10, Apr. 9-15, Apr. 30, June 1 to Sept. 30. No diversions above station. Results of a number of 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	-	1.1	1.5	14	10	9	8.5	17	5.5	4.0	0.6	0.5
2	-	1.0	1.5	11	9	17	8.5	14	5.5	3.5	.6	.5
3	-	1.0	1.4	8	8.5	15	8.5	13	5	3.5	.6	.5
4	-	.9	1.4	11	20	13	10	12	5	3.0	.6	.5
5	-	.9	1.3	100	50	11	9	11	5	2.6	.6	.5
6	-	.8	1.3	50	34	9.5	9	11	5	2.4	.5	.5
7	-	.8	4.0	36	29	13	9	11	4.9	2.2	.5	.4
8	-	.7	18	30	25	13	274	10	4.8	2.0	.5	.4
9	-	.7	12	30	22	13	69	9.5	4.6	1.9	.4	.3
10	-	.7	6	31	20	11	42	9	4.4	1.8	.4	.3
11	-	.7	5	28	18	11	38	9	4.2	1.7	.3	.3
12	-	.7	10	26	17	11	34	9	4.1	1.6	.3	.3
13	-	.7	380	25	17	10	30	8.5	4.1	1.5	.3	.2
14	-	.6	480	24	17	9.5	27	8.5	4.0	1.4	.3	.2
15	-	.6	100	65	15	9.5	24	8.5	3.9	1.4	.4	.2
16	-	9.5	50	42	14	9.5	24	8.5	3.9	1.3	.4	.2
17	79	6.5	35	30	12	9.5	23	8	3.8	1.2	.4	.1
18	36	3.9	25	23	11	9.5	20	7	3.7	1.2	.5	.1
19	6.5	9.7	17	30	10	9	19	7	3.7	1.2	.5	.1
20	5	7	13	24	8.5	9	19	7	3.6	1.2	.5	.1
21	3.0	4.4	12	21	9.5	9	20	7	3.4	1.2	.4	.2
22	1.4	3.5	11	20	11	8	20	6	3.2	1.2	.4	.2
23	1.3	3.4	10	18	11	9	18	6	2.8	1.2	.4	.2
24	1.2	3.2	9	17	10	14	18	6	2.6	1.2	25	.2
25	1.0	2.8	8	16	10	12	19	6	2.2	1.2	3.0	.2
26	.8	2.4	7	15	9.5	10	21	6	2.0	1.1	1.0	.3
27	.8	2.0	6	14	9.5	8.5	21	6	2.0	1.0	.8	.3
28	.7	1.8	52	13	9	7.5	21	6	2.0	.9	.7	.2
29	.7	1.6	32	12	---	8	32	6.5	2.0	.8	.6	.2
30	.6	1.5	24	11	---	8.5	24	6.5	2.2	.7	.6	.2
31	.6	-	19	11	-	8.5	-	6	-	.6	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	138.96	79	-	4.48	276
November	75.1	9.5	0.6	2.50	149
December	1,353.4	480	1.3	43.7	2,660
Calendar year 1934	2,824.21	480	-	7.74	5,590
January	806	100	8	26.0	1,600
February	446.5	50	8.5	15.9	886
March	325.0	17	7.5	10.5	645
April	919.5	274	8.5	30.6	1,820
May	266.5	17	6	8.60	529
June	113.1	5.5	2.0	3.77	224
July	51.7	4.0	.6	1.67	103
August	42.6	25	.3	1.37	84
September	8.4	.5	.1	.28	17
Water year 1934-35	4,546.76	480	-	12.5	9,010

Note.- Daily discharge less than 0.1 second-foot on days left blank.

Santa Anita Creek near Sierra Madre, Calif.

Location.- Water-stage recorder, lat. 34°11'30", long. 118°1', in SW¼NE¼ sec. 10, T. 1 N., R. 11 W., at head of Hermits Falls, 4 miles northeast of Sierra Madre. Altitude, about 1,400 feet.

Drainage area.- 10.5 square miles.

Records available.- July 1916 to September 1935.

Average discharge.- 19 years, 4.42 second-feet.

Extremes.- Maximum discharge during year, 630 second-feet Apr. 8 (gage height, 5.60 feet); minimum, 0.1 second-foot Oct. 1-3.
1916-35: Maximum discharge, about 1,400 second-feet Apr. 7, 1926 (gage height, 10.7 feet); practically no flow Aug. 18 to Sept. 14, 1929.

Remarks.- Records good except those for period Jan. 6 to Feb. 10, which are fair and estimates for which were based on 12 discharge measurements made during period, and records from adjacent stations. No diversions 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	0.1	0.9	1.1	3.9	5	7.5	4.9	11	5	3.8	1.3	1.1
2	.1	.8	1.1	3.8	5	10	4.9	11	4.8	3.8	1.4	1.0
3	.1	.8	1.1	3.6	5.5	8.5	5	10	4.6	3.5	1.3	.9
4	.2	.8	1.1	3.5	7	7.5	5	9.5	4.2	3.4	1.4	.9
5	.2	.7	1.1	34	60	7	5	9	4.1	3.1	1.2	.8
6	.2	.7	1.2	13	30	6.5	5	9	4.1	2.7	1.2	.8
7	.2	.7	1.2	13	26	9	5.5	9	4.1	2.6	1.1	.8
8	.2	.7	2.9	12	22	9.5	153	9	4.1	2.5	1.0	.8
9	.2	.7	1.9	12	20	9	62	8.5	4.1	2.5	1.0	.8
10	.2	.7	1.6	12	18	8	36	8.5	4.2	2.5	1.0	.8
11	.2	.7	1.4	11	15	8	24	8.5	4.2	2.1	.9	.7
12	.2	.7	3.4	10	14	6.5	19	8	4.1	2.1	.9	.6
13	.2	.7	50	9	12	6	19	8	4.1	1.9	1.0	.6
14	.2	.6	70	8.5	12	6	18	8	4.1	1.9	1.0	.6
15	.2	.7	24	24	11	6	18	8	4.4	1.8	1.1	.7
16	.2	3.1	16	12	10	6	17	8	4.6	1.6	1.1	.6
17	15	1.8	10	11	9.5	5.5	16	8	4.4	1.6	1.0	.6
18	11	1.9	8	11	9.5	5.5	15	7.5	3.9	1.6	.9	.6
19	3.0	3.1	6	12	9.5	5.5	14	7	3.6	1.7	.8	.6
20	1.2	2.1	4.9	11	9	5.5	14	6.5	3.5	1.7	.7	.7
21	1.0	1.8	3.8	10	8	5.5	12	6.5	3.4	1.7	.7	.8
22	.9	1.6	3.4	9	7.5	5.5	12	6	3.2	1.6	.6	.7
23	.9	1.5	3.0	9	7.5	5.5	12	6	3.2	1.6	.6	.7
24	.8	1.4	2.9	8	6.5	8	11	6	3.1	1.6	.8	.8
25	.8	1.3	2.5	8	6.5	6.5	10	5.5	3.0	1.6	.9	.8
26	.7	1.3	2.4	7.5	6.5	6	10	5.5	3.0	1.5	1.1	.8
27	.6	1.3	2.4	7	6.5	6	10	5.5	2.9	1.3	1.1	.8
28	.6	1.2	7.5	7	7	5.5	10	5.5	2.9	1.3	1.2	.8
29	.8	1.2	4.8	6.5	-	5.5	14	5.5	3.4	1.3	1.1	.7
30	.8	1.1	4.4	6	-	5.5	12	5.5	3.4	1.3	1.0	.7
31	.8	-	3.9	5.5	-	5	-	5.5	-	1.3	1.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	41.8	15	0.1	1.35	83
November	36.6	3.1	.6	1.22	73
December	249.0	70	1.1	8.03	494
Calendar year 1934	1,354.5	301	.1	3.71	2,690
January	313.8	34	3.5	10.1	622
February	366.0	60	5	13.1	726
March	207.5	10	5	6.69	412
April	573.3	153	4.9	19.1	1,140
May	235.0	11	5.5	7.58	466
June	115.7	5	2.9	3.86	229
July	64.5	3.8	1.3	2.08	128
August	31.5	1.4	.6	1.02	62
September	22.6	1.1	.6	.75	45
Water year 1934-35	2,257.3	153	.1	6.18	4,480

Little Santa Anita Creek near Sierra Madre, Calif.

Location.- Water-stage recorder, lat. 34°11'15", long. 118°02'35", near center of NW¼ sec. 9 (revised), T. 1 N., R. 11 W., 2 miles northeast of Sierra Madre. Altitude, about 2,200 feet.

Drainage area.- 1.9 square miles.

Records available.- April 1916 to September 1935.

Average discharge.- 18 years (1916-25, 1926-35), 0.64 second-foot.

Extremes.- Maximum discharge during year, 130 second-feet Apr. 8 (gage height, 2.20 feet); minimum, less than 0.1 second-foot at times during October and September. 1916-35: Maximum stage, 11.75 feet Apr. 7, 1926 (discharge not determined; no flow during periods in 1919, 1924, 1925.

Remarks.- Records good. No diversions 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	0.2	0.6	0.8	0.8	0.8	1.5	0.7	0.6	0.2	0.1
2	-	.2	.2	.6	.8	1.8	.8	1.5	.7	.6	.2	.1
3	-	.2	.2	.5	.6	1.3	.8	1.5	.7	.5	.2	.1
4	-	.1	.2	.6	.8	1.2	.8	1.3	.6	.5	.1	.1
5	-	.1	.2	3.4	4.6	1.2	.8	1.2	.6	.4	.1	.1
6	-	.1	.2	2.0	3.7	1.2	.8	1.2	.6	.3	.1	.1
7	-	.1	.2	1.6	3.1	1.2	.9	1.2	.6	.3	.1	.1
8	-	.1	.4	1.5	3.0	1.3	17	1.2	.6	.3	.1	.1
9	-	.1	.3	1.4	2.8	1.3	4.4	1.2	.6	.3	.1	.1
10	-	.1	.2	1.4	2.7	1.2	3.3	1.2	.6	.4	.1	.1
11	-	.1	.2	1.4	2.6	1.1	3.0	1.1	.6	.4	.1	.1
12	-	.1	.3	1.3	2.5	1.1	2.9	1.1	.6	.4	.1	.1
13	-	.1	7.2	1.2	2.4	1.0	2.7	1.1	.6	.3	.1	.1
14	-	.1	8	1.1	2.3	.9	2.6	1.1	.6	.3	.1	.1
15	-	.1	2.5	2.5	2.2	.9	2.5	1.0	.6	.3	.1	.1
16	-	.5	1.7	1.9	1.8	.9	2.4	1.0	.6	.3	.2	.1
17	2.2	.3	1.2	1.5	1.6	.9	2.2	1.0	.6	.3	.2	.1
18	1.9	.3	1.0	1.6	1.4	.9	2.1	.9	.6	.3	.1	.1
19	.5	.5	.8	1.9	1.3	.9	1.9	.9	.5	.2	.1	.1
20	.3	.3	.7	1.4	1.3	.8	1.9	.8	.5	.2	.1	.1
21	.2	.3	.6	1.2	1.2	.9	1.8	.8	.5	.2	.1	.1
22	.2	.3	.6	1.1	1.1	.8	1.8	.8	.5	.2	.1	.1
23	.2	.2	.5	1.0	1.0	.9	1.6	.8	.4	.2	.1	.1
24	.2	.2	.5	1.0	1.0	1.1	1.6	.8	.4	.3	.1	.1
25	.2	.2	.5	.9	.9	.9	1.5	.8	.4	.3	.1	.1
26	.1	.2	.4	.9	.9	.9	1.4	.8	.4	.2	.1	.1
27	.1	.2	.5	.9	.8	.9	1.4	.9	.4	.2	.2	.1
28	.1	.2	1.2	.9	.8	.8	1.4	.9	.4	.2	.2	.1
29	.1	.2	.7	.9	-	.8	1.8	.8	.5	.2	.1	.1
30	.1	.2	.6	.8	-	.8	1.7	.8	.5	.2	.1	.1
31	.1	-	.6	.8	-	.8	-	.8	-	.2	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.96	2.2	-	0.22	14
November	5.9	.5	0.1	.20	12
December	32.6	8	.2	1.05	65
Calendar year 1934	220.78	40	-	.605	439
January	39.8	3.4	.5	1.28	79
February	50.0	4.6	.6	1.79	99
March	31.5	1.8	.8	1.02	62
April	70.6	17	.8	2.35	140
May	32.0	1.5	.8	1.03	63
June	16.5	.7	.4	.55	33
July	9.6	.6	.2	.31	19
August	3.8	.2	.1	.12	7.5
September	3.0	.1	.1	.10	6.0
Water year 1934-35	302.28	17	-	.83	600

Note.- Discharge less than 0.1 second-foot on days left blank.

Eaton Creek near Pasadena, Calif.

Location.- Water-stage recorder, lat. 34°11'40", long. 118°6'15", in SE¼ sec. 2, T. 1 N., R. 12 W., at mouth of canyon just above Mount Wilson toll bridge and 4 miles northeast of Pasadena. Altitude, 1,230 feet.
Drainage area.- 6.5 square miles.
Records available.- March 1918 to September 1935.
Average discharge.- 17 years, 1.98 second-feet.
Extremes.- Maximum discharge during year, 274 second-feet Apr. 8 (gage height, 3.30 feet); no flow for several months.
1918-35: Maximum, about 1,360 second-feet Apr. 7, 1926 (gage height, 5.0 feet); no flow for periods each year.
Remarks.- Records good. Water diverted above station by city of Pasadena is not included in tables of daily and monthly discharge; record of diversion furnished by the city. Results of several discharge measurements furnished by Los Angeles County Flood Control District.

Monthly diversion, in acre-feet, from Eaton Creek by city of Pasadena, water year 1934-35

October	25	May	254
November	44	June	129
December	105	July	77
January	234	August	40
February	210	September	24
March	212		
April	234	The year	1,590

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	0	0	0	0	0	2.6		0.2		
2	0	0	0	0	0	5	0	0		.2		
3	0	0	0	0	.1	2.2	0	.4		0		
4	0	0	0	0	.3	.1	0	.1		0		
5	0	0	0	16	16	0	0	0		0		
6	0	0	0	8.5	13	0	0	0		0		
7	0	0	0	4.6	13	.3	0	0		0		
8	0	0	4.1	.5	9.5	0	75	0		0		
9	0	0	1.6	2.7	4.3	0	25	0		0		
10	0	0	0	3.8	3.1	0	17	0		0		
11	0	0	0	.7	2.5	0	10	0		0		
12	0	0	1.8	.4	4.8	0	4.8	.2		0		
13	0	0	48	2.4	3.3	0	.1	.6		0		
14	0	0	56	3.3	.4	0	4.0	.5		0		
15	0	0	24	15	.1	0	3.5	.2		0		
16	0	.2	13	7.5	.1	0	1.8	0		0		
17	9	.8	6.9	1.9	0	0	.3	.1		0		
18	6.5	.3	.6	3.3	.1	0	0	0		0		
19	1.6	.5	0	4.4	0	0	.4	0		0		
20	.6	.2	0	.9	0	0	.1	0		0		
21	0	0	0	.6	0	0	.1	0		0		
22	0	0	0	.3	0	0	0	0		0		
23	0	0	0	0	0	0	0	0		0		
24	0	0	0	.1	0	.8	.1	0		0		
25	0	0	0	0	.1	0	1.4	0		0		
26	0	0	0	0	0	0	.9	0		0		
27	0	0	0	0	0	0	.6	0		0		
28	0	0	0	0	0	0	.4	0		0		
29	0	0	0	0	-	0	5	0		0		
30	0	0	0	0	-	0	6	0		0		
31	0	-	0	0	-	0	-	0		0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	17.7	9	0	0.57	35
November	1.7	.5	0	.06	3.4
December	156.0	56	0	5.03	309
Calendar year 1934	502.6	196	0	1.38	996
January	76.9	16	0	2.48	153
February	70.7	16	0	2.52	140
March	8.4	5	0	.27	17
April	156.5	75	0	5.22	310
May	4.7	2.6	0	.15	9.3
June	0	0	0	0	0
July	.4	.2	0	.01	.8
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	493.0	75	0	1.35	978

Note.- No flow during months left blank.

Rio Hondo near Montebello, Calif.

Location.- Water-stage recorder, lat. 34°01'55", long. 118°04'15", in Potrero Grande grant, at Montebello oil field, about 1,000 feet above Mission Bridge and 2 miles northeast of Montebello, Los Angeles County.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 3,560 second-feet Apr. 8 (gage height, 6.38 feet); minimum, 3.8 second-feet July 28.
1928-35: Maximum discharge, 11,800 second-feet Jan. 1, 1934 (gage height, 10.43 feet); minimum, 0.3 second-foot Dec. 1, 1933.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	20	22	26	37	40	49	24	49	15	18	9.5	18
2	20	20	28	37	43	325	22	24	15	14	10	15
3	20	19	26	19	59	175	20	20	16	11	10	18
4	20	18	26	20	103	126	20	16	22	9.5	9.5	22
5	20	20	24	386	192	97	19	11	22	10	11	24
6	20	20	26	46	122	88	19	26	22	12	11	15
7	20	19	24	20	30	130	20	43	20	14	12	19
8	20	19	100	37	40	52	885	43	14	12	12	20
9	20	18	28	49	210	56	53	43	19	10	15	20
10	16	18	35	40	215	32	32	56	18	11	18	18
11	12	14	35	30	187	30	9.5	43	16	11	14	16
12	14	14	52	37	153	32	22	43	16	11	20	18
13	12	15	494	20	63	28	215	35	19	14	22	18
14	12	15	231	18	35	32	164	30	18	12	19	18
15	15	15	20	242	28	40	116	28	16	11	16	16
16	18	129	12	19	20	40	111	35	16	10	19	20
17	430	52	15	30	26	35	106	35	16	10	20	19
18	107	60	12	123	20	37	75	28	15	11	16	18
19	30	81	22	56	24	52	32	26	15	10	19	19
20	30	30	26	83	20	46	32	18	18	11	18	19
21	28	28	28	67	19	46	40	18	19	11	18	20
22	26	22	30	56	22	30	43	18	19	11	16	19
23	26	28	35	35	26	75	35	18	19	14	11	24
24	24	26	37	37	30	68	18	15	19	12	16	24
25	22	22	40	30	43	19	52	16	18	11	14	26
26	24	32	43	28	56	20	43	16	11	10	18	24
27	24	28	46	37	52	19	52	15	12	9.5	20	26
28	20	24	92	37	52	46	59	16	11	8.5	20	28
29	24	26	28	40	-	52	67	15	15	8.5	18	28
30	20	24	28	22	-	56	121	12	18	8.5	20	30
31	22	-	52	30	-	24	-	14	-	8.5	20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,136	430	12	36.6	2,250
November	878	129	14	29.3	1,740
December	1,721	494	12	55.5	3,410
Calendar year 1934	13,644	4,690	6	37.4	27,060
January	1,768	386	18	57.0	3,510
February	1,930	215	19	68.9	3,830
March	1,957	325	19	63.1	3,880
April	2,556.5	885	9.5	85.2	5,070
May	825	56	11	26.6	1,640
June	509	22	11	17.0	1,010
July	345.0	18	8.5	11.1	684
August	492.0	22	9.5	15.9	976
September	619	30	15	20.6	1,230
Water year 1934-35	14,736.5	885	8.5	40.4	29,230

Rio Hondo near Downey, Calif.

Location.- Water-stage recorder, lat. 33°56'40", long. 118°09'50", in San Antonio grant on Stewart and Gray road bridge half a mile above junction with Los Angeles River and 1½ miles west of Downey, Los Angeles County.

Drainage area.- 374 square miles.

Records available.- March 1928 to September 1935.

Extremes.- Maximum discharge during year, 3,450 second-feet Apr. 8 (gage height, 7.90 feet); no flow during several periods.
1928-35: Maximum discharge, 16,000 second-feet Jan. 1, 1934 (gage height, 11.80 feet); no flow part of each year.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0	0	0	0	0	0.7	0.1	0		
2	0	0	0	0	0	195	0	0	0	.3		
3	0	0	0	0	0	2.6	0	0	0	0		
4	0	0	0	0	.6	0	0	0	0	0		
5	0	0	0	319	117	0	0	.1	0	0		
6	0	0	0	.4	105	0	0	1.0	.3	.5		
7	0	0	0	0	1.0	23	0	2.0	0	1.0		
8	0	0	1.4	0	.3	.2	667	3.3	.4	1.2		
9	0	0	0	.2	46	.1	22	2.8	0	.1		
10	0	0	0	5	84	0	0	2.8	.1	0		
11	0	0	0	0	16	0	0	1.6	.1	0		
12	0	0	0	0	2.4	0	0	.7	0	0		
13	0	0	335	0	.1	0	101	0	.1	0		
14	0	0	70	0	0	0	107	.3	0	0		
15	0	0	0	146	0	0	53	1.3	0	0		
16	0	44	0	0	0	0	30	.8	.1	0		
17	300	0	0	0	0	0	15	.7	0	0		
18	92	.3	0	0	0	0	1.8	2.0	0	0		
19	.4	18	0	32	0	.1	0	1.4	0	0		
20	0	0	0	0	0	.3	0	1.2	0	0		
21	0	0	0	0	0	.2	1.3	.3	0	0		
22	0	0	0	0	0	.2	1.0	.3	0	0		
23	0	0	0	0	0	0	1.2	.8	0	0		
24	0	0	0	0	0	9.5	.2	.1	0	0		
25	0	0	0	0	0	0	.3	.8	0	0		
26	0	0	0	0	0	0	.3	1.4	0	0		
27	0	0	0	0	0	0	.4	1.0	0	0		
28	0	0	20	0	0	0	.6	.4	0	0		
29	0	0	0	0	-	0	.7	.3	0	0		
30	0	0	0	0	-	0	.2	.7	0	0		
31	0	-	0	0	-	0	-	.4	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	392.4	300	0	12.7	778
November	62.3	44	0	2.08	124
December	426.4	335	0	13.8	846
Calendar year 1934	7,010.1	5,810	0	19.2	13,920
January	502.6	319	0	16.2	997
February	372.4	117	0	13.3	739
March	231.2	195	0	7.46	459
April	1,003.0	667	0	33.4	1,990
May	29.2	3.3	0	.94	58
June	1.2	.4	0	.04	2.4
July	3.1	1.2	0	.10	6.1
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	3,023.8	667	0	8.28	6,000

Note.- No flow during months left blank.

Rio Hondo Slough near Montebello, Calif.

Location.- Water-stage recorder, lat. 34°1'45", long. 118°4'7", on the San Gabriel Boulevard bridge in Paso de Bartolo grant, 2 miles northeast of Montebello, Los Angeles County.

Records available.- October 1932 to September 1935.

Extremes.- Maximum discharge during year, 32 second-feet Apr. 8 (gage height, 1.28 feet); minimum, 4.8 second-feet Oct. 4 (gage height, 0.17 foot).
1932-35: Maximum discharge, 166 second-feet Jan. 1, 1934; minimum, that of Oct. 4, 1935.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	10	11	12	13	13	14	16	13	13	12	12
2	9	10	11	12	13	16	14	15	13	13	12	12
3	9	10	11	12	13	15	13	14	13	13	13	12
4	9	10	11	12	14	14	13	14	13	13	12	12
5	9	10	11	17	16	14	13	14	13	13	12	12
6	9	9.5	11	15	14	13	13	14	14	13	12	12
7	9	9.5	11	14	15	14	13	14	14	12	11	11
8	9	9.5	12	14	15	14	22	13	14	12	11	12
9	9	10	12	14	15	14	15	14	14	12	10	12
10	9	10	11	14	15	14	15	14	14	12	10	11
11	9	10	11	14	14	14	15	14	14	12	10	11
12	9	11	12	14	14	14	14	14	14	12	11	11
13	9	11	16	14	14	14	14	14	13	12	11	10
14	10	11	17	13	14	14	14	14	13	12	10	10
15	10	11	14	14	14	14	15	14	13	12	11	10
16	10	14	13	14	13	14	14	14	14	11	11	10
17	18	12	13	13	14	14	14	14	13	11	11	10
18	13	13	12	13	14	14	15	14	13	11	12	11
19	12	14	12	14	14	14	15	14	13	12	12	11
20	11	13	11	14	13	14	15	14	13	12	12	11
21	11	13	11	14	13	14	16	14	13	12	11	11
22	11	12	11	14	13	14	16	14	12	11	11	11
23	11	12	11	14	13	14	16	14	12	10	12	12
24	11	12	12	13	13	16	16	14	12	10	12	10
25	11	12	12	13	13	15	16	14	12	10	12	12
26	10	11	12	13	13	15	16	14	12	10	12	12
27	10	11	12	13	13	15	16	14	13	10	12	13
28	11	11	13	13	13	15	16	14	13	11	12	12
29	11	11	12	13	-	15	16	14	13	10	12	13
30	10	11	12	13	-	15	16	14	13	11	12	13
31	10	-	12	13	-	14	-	14	-	11	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	318	18	9	10.3	631
November	334.5	14	9.5	11.2	663
December	373	17	11	12.0	740
Calendar year 1934	4,310.0	84	7.5	11.8	8,550
January	419	17	12	13.5	831
February	385	16	13	13.8	764
March	443	16	13	14.3	879
April	450	22	13	15.0	893
May	436	16	13	14.1	865
June	393	14	12	13.1	780
July	359	13	10	11.6	712
August	356	13	10	11.5	706
September	342	13	10	11.4	678
Water year 1934-35	4,608.5	22	9	12.6	9,140

Ballona Creek near Culver City, Calif.

Location.- Water-stage recorder, lat. 33°59'15", long. 118°24'55", in La Ballona grant, on Centinela Boulevard bridge about 2½ miles southeast of Culver City, Los Angeles County.

Drainage area.- 112 square miles.

Records available.- February 1928 to September 1935.

Extremes.- Maximum discharge during year, 11,200 second-feet Apr. 8 (gage height, 17.83 feet); no flow for long periods.
1928-35: Maximum discharge, 11,300 second-feet Jan. 1, 1934 (gage height, 18.5 feet); no flow at times each year.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	20	0	0.1	0.7	0.3	0	1.1	0.7	0	0	
2	0	3.9	0	0	.9	2,190	0	.4	.5	0	0	
3	0	0	0	0	.8	86	2.1	1.4	0	0	0	
4	0	0	0	92	199	14	4.2	1.2	0	0	0	
5	0	0	0	921	431	4.1	2.6	2.0	.2	0	0	
6	0	0	0	15	221	2.5	2.6	0	.3	0	0	
7	0	0	0	7	16	472	121	0	0	0	0	
8	0	0	209	5.5	140	38	1,860	0	.3	0	0	
9	0	2.2	2.0	233	6.5	20	19	0	0	0	0	
10	0	0	1.4	14	3.7	6.5	9.5	0	0	0	0	
11	0	0	.7	8.5	2.9	6	3.6	0	0	0	0	
12	0	0	71	7	2.1	6	2.5	.1	0	0	0	
13	0	0	927	6.5	1.9	5	2.5	0	0	1.0	0	
14	0	0	205	6.5	4.1	3.4	1.7	0	.1	.2	0	
15	0	98	12	276	1.0	3.6	1.0	0	.1	0	0	
16	0	711	6.5	6.5	.5	3.6	1.3	0	.6	0	0	
17	626	379	3.9	1.0	.2	1.9	1.2	0	.2	0	0	
18	254	147	2.7	68	.1	2.2	1.0	0	0	0	0	
19	13	244	.9	63	.6	7	2.1	0	0	0	0	
20	0	4.4	.5	2.1	.7	4.6	1.4	0	0	0	0	
21	0	2.0	.7	1.9	.2	7	.7	0	0	0	0	
22	0	.4	.6	.8	.5	7	.6	0	0	0	0	
23	0	.5	.6	1.0	.4	146	1.6	0	0	0	0	
24	0	.1	.4	.8	0	220	1.2	0	0	0	0	
25	0	0	0	1.2	0	8.5	1.9	.7	0	0	0	
26	0	0	0	1.7	0	2.6	2.5	0	0	0	9.5	
27	0	.3	.1	1.6	0	4.2	1.5	0	0	0	1.5	
28	0	.6	286	.2	0	0	.8	.3	0	0	.3	
29	0	.5	2.0	.5	-	2.1	131	1.1	0	0	.1	
30	0	0	.5	.5	-	3.2	38	.5	0	0	0	
31	0	-	.6	.4	-	1.2	-	.1	-	0	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	893	626	0	28.8	1,770
November	1,613.9	711	0	53.8	3,200
December	1,734.1	927	0	55.9	3,440
Calendar year 1934	8,899.2	3,060	0	244	17,650
January	1,743.3	921	0	56.2	3,460
February	1,034.8	431	0	37.0	2,050
March	3,278.5	2,190	0	106	6,500
April	2,219.1	1,860	0	74.0	4,400
May	8.9	2.0	0	.29	18
June	3.0	.7	0	.10	6.0
July	1.2	1.0	0	.04	2.4
August	11.4	9.5	0	.37	23
September	0	0	0	0	0
Water year 1934-35	12,541.2	2,190	0	34.4	24,870

Note.- No flow during September.

Topanga Creek near Topanga Beach, Calif.

Location.- Water-stage recorder, lat. 34°03'50", long. 118°35'10", in Boca de Santa Monica grant, on highway bridge 2 miles north of Topanga Beach, Los Angeles County.

Drainage area.- 17.9 square miles.

Records available.- January 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,200 second-feet Jan. 5 (gage height, 5.44 feet); no flow Aug. 16.
1930-35: Maximum discharge, 4,510 second-feet Dec. 31, 1933 (gage height, 11.27 feet); no flow at times each year during 1933-35.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	-	-	-	0.6	1.5	1.0	0.6	0.8	0.3	0.3	0.2	
2	-	-	0.1	.4	1.2	14	.5	.8	.3	.2	.2	
3	-	-	.1	.6	.8	3.3	.6	.8	.3	.2	.1	
4	-	-	-	.5	1.9	1.7	.8	.6	.2	.2	.1	
5	-	-	-	118	2.1	1.3	.7	.4	.2	.2	-	
6	-	-	-	3.1	6.5	1.0	.6	.4	.2	.2	-	
7	-	-	.1	2.6	4.5	15	28	.4	.3	.3	-	
8	-	-	.5	2.6	5	6	130	.4	.2	.2	-	
9	-	-	.2	15	4.0	5	7.5	.5	.2	.2	-	
10	-	-	.2	5	3.6	4.2	4.8	.5	.2	.2	-	
11	-	-	.2	3.6	3.3	3.3	4.8	.4	.3	.1	-	
12	-	-	.5	3.5	3.9	2.9	4.7	.5	.3	.2	-	
13	-	-	6.5	3.6	2.8	2.5	4.2	.6	.2	.3	-	
14	-	-	11	3.6	1.5	2.1	3.8	.5	.2	.5	-	
15	-	0.1	2.6	52	1.5	2.1	3.2	.5	.2	.6	-	
16	-	.6	1.0	6.5	1.2	1.7	2.6	.4	.2	.5	-	
17	0.1	.6	.9	4.8	1.0	1.5	2.1	.3	.1	.3	-	
18	.2	.5	.7	5.5	.9	1.3	1.5	.3	.1	.3	-	
19	.2	2.1	.5	5	1.0	1.3	1.5	.3	.1	.1	-	
20	.2	.6	.5	3.2	1.2	.9	1.5	.3	.1	.1	-	
21	-	.4	.6	2.5	1.0	1.4	1.4	.3	.1	.1	-	
22	-	.2	.6	1.9	1.0	1.3	1.3	.3	.2	.1	-	
23	-	.3	.5	1.8	.9	1.8	1.2	.3	.2	.1	-	
24	-	.2	.6	1.5	.8	2.2	.9	.3	.2	.1	-	
25	-	.2	.6	1.5	.7	1.3	.6	.3	.2	.2	-	
26	-	.1	.3	1.4	.7	1.2	.2	.2	.3	.2	-	
27	-	.1	.7	1.4	.8	1.0	.2	.3	.2	.1	-	
28	-	.1	4.8	1.4	.8	.8	.3	.2	.2	.1	-	
29	-	.2	1.5	1.5	-	1.2	.7	.2	.2	.1	-	
30	-	.2	1.3	1.3	-	.7	.8	.3	.3	.1	-	
31	-	-	1.2	1.0	-	.7	-	.3	-	.2	-	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1.49	0.2	-	*0.05	3.0
November	7.23	2.1	-	*.24	14
December	39.2	11	-	*1.26	78
Calendar year 1934	1,681.69	1,030	-	4.61	3,340
January	256.9	118	.4	8.29	510
February	56.1	6.5	.7	2.00	111
March	86.7	15	.7	2.76	170
April	211.6	130	.2	7.05	420
May	12.7	.8	.2	.41	25
June	6.3	.3	.1	.21	12
July	6.6	.6	.1	.21	13
August	1.06	.2	-	*.03	2.1
September	.93	-	-	*.03	1.8
Water year 1934-35	685.81	130	-	1.88	1,360

*Estimated.

Note.- Discharge less than 0.1 second-foot on days left blank.

Malibu Creek at Crater Camp, near Calabasas, Calif.

Location.- Water-stage recorder, lat. 34°04'30", long. 118°42'10", in SW¼ sec. 18, T. 1 S., R. 17 W., a quarter of a mile below Crater Camp and 6 miles southwest of Calabasas.

Drainage area.- 103 square miles.

Records available.- January 1931 to September 1935.

Extremes.- Maximum discharge during year, 2,060 second-feet Jan. 5; minimum, 0.01 second-foot Sept. 22.
1931-35: Maximum discharge, 9,650 second-feet Jan. 1, 1934 (gage height, 13.73 feet); no flow for several periods in 1932.

Remarks.- Records furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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	0.1	0.1	4.4	10	6.5	10	9	2.8	1.3	0.4	0.3
2	.2	.1	.1	3.4	9.5	23	9.5	8	2.6	1.2	.6	.3
3	.2	.1	.1	2.9	9	20	9.5	7.5	2.3	1.1	.6	.3
4	.2	.1	.1	2.9	11	13	9.5	7	2.3	1.1	.7	.4
5	.2	.1	.2	511	13	11	9	6	2.3	.8	.6	.4
6	.2	.1	.2	89	14	9.5	9	5.5	2.4	.9	.6	.4
7	.2	.1	.2	31	13	28	9.5	5.5	2.6	.8	.6	.3
8	.2	.1	.3	18	12	38	98	6	2.4	.9	.6	.3
9	.2	.1	.3	30	11	33	105	5.5	2.3	.9	.4	.3
10	.2	.1	.4	33	9.5	34	77	5.5	2.3	.9	.4	.3
11	.2	.1	.4	23	9.5	32	46	5.5	2.1	.9	.6	.2
12	.1	.1	.4	18	9.5	29	41	5.5	2.3	.8	.5	.2
13	.1	.2	1.1	16	8.5	20	37	6	2.3	.9	.4	.2
14	.1	.2	7	16	8	20	33	6	2.1	.9	.3	.2
15	.1	.4	2.6	115	8	17	29	6.5	1.8	1.0	.3	.2
16	.1	.3	1.8	36	8	16	26	6	1.8	.6	.3	.2
17	.1	.3	1.6	35	7.5	14	23	6	1.4	.6	.2	.2
18	.1	.2	1.1	34	7.5	14	21	5	1.4	.5	.2	.2
19	.1	.3	.9	33	7.5	13	19	5.5	1.3	.6	.2	.2
20	.1	.2	.8	32	7	12	16	5	1.2	.6	.2	.1
21	.1	.1	1.1	32	6.5	12	14	5	1.2	.6	.1	.1
22	.1	.1	1.8	31	6.5	12	13	4.4	1.3	.5	.2	.1
23	.1	.1	1.8	31	7	11	11	4.2	1.0	.5	.2	.1
24	.1	.1	1.8	31	6.5	14	10	4.2	.8	.5	.2	.1
25	.1	.1	1.8	23	6	12	9.5	4.0	.8	.5	.2	.1
26	.1	.2	1.8	18	6	11	9	3.6	.8	.5	.2	.1
27	.1	.2	2.4	15	6	10	9	3.4	1.2	.5	.2	.1
28	.1	.1	7	13	6.5	10	9.5	3.4	1.4	.3	.2	.1
29	.1	.1	4.6	12	-	10	10	3.3	1.3	.3	.2	.1
30	.1	.1	4.4	11	-	10	9.5	2.9	1.1	.4	.3	.1
31	.1	-	4.4	10	-	10	-	2.9	-	.4	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4.1	0.2	0.1	0.13	8.1
November	4.5	.4	.1	.15	8.9
December	52.6	7	.1	1.70	104
Calendar year 1934	4,514.3	3,160	.1	12.4	8,950
January	1,310.6	511	2.9	42.3	2,600
February	244	14	6	8.71	484
March	525	38	6.5	16.9	1,040
April	741.5	105	9	24.7	1,470
May	163.8	9	2.9	5.28	325
June	52.9	2.8	.8	1.76	105
July	22.3	1.3	.3	.72	44
August	11.0	.7	.1	.35	22
September	6.2	.4	.1	.21	12
Water year 1934-35	3,138.5	511	.1	8.60	6,220

Santa Clara River near Saugus, Calif.

Location.- Water-stage recorder, lat. 34°25'42", long. 118°35'23", on old highway bridge pier in the San Francisco grant, 3 miles west of Saugus, Los Angeles County.

Drainage area.- 355 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year, 608 second-feet Jan. 5 (gage height, 14.43 feet); minimum, 0.01 second-foot at various times.
1929-35: Maximum discharge, 3,870 second-feet Jan. 1, 1934 (gage height, 15.07 feet); no flow Aug. 10, 1933.

Remarks.- Record 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	-		0.2	0.1	0.3	0.5	0.4	0.5	0.2	0.3		
2	-	0.1	.2	.1	.3	29	.4	.5	.3	.3		
3	-	.1	.2	.1	.3	4.6	.4	.4	.2	.2		
4	-	.1	.2	.2	.6	2.0	.4	.4	.2	.2		
5	-	-	.2	50	1.4	1.6	.3	.4	.2	.2		
6	-	-	.2	1.7	1.6	.9	.4	.4	.3	.2		
7	-	-	.2	1.0	.6	12	.4	.4	.3	.2		
8	-	-	7	.7	.3	1.5	17	.4	.3	.2		
9	-	.1	.3	.5	.3	.3	.7	.4	.2	.2		
10	-	.1	.3	.2	.3	.3	.6	.4	.2	.2		
11	-	.1	.3	.2	.3	.3	.7	.4	.2	.2		
12	-	.2	.3	.2	.3	.3	.7	.4	.2	.2		
13	-	.2	39	.2	.3	.4	.8	.4	.3	.2		
14	-	.2	61	.2	.3	.4	.6	.4	.3	.2		
15	-	1.8	1.0	18	.2	.4	.6	.4	.4	.1		
16	0.1	6.5	.8	.5	.2	.4	.6	.3	.3	.1		
17	2.0	.3	.6	.4	.2	.4	.6	.2	.3	.1		
18	.3	.2	.5	.4	.2	.4	.5	.2	.3	.1		
19	.2	6.5	.4	.4	.2	.4	.7	.2	.2	.1		
20	.1	.2	.3	.4	.2	.4	.6	.2	.2	.1		
21	.1	.2	.3	.3	10	.4	.6	.2	.2	.1		
22	.1	.2	.3	.3	71	.4	.6	.2	.2	.1		
23	-	.2	.3	.2	82	.5	.6	.2	.2	-		
24	-	.2	.2	.2	37	.5	.5	.2	.2	-		
25	-	.2	.2	.2	1.2	.3	.6	.2	.2	-		
26	-	.2	.2	.2	.6	.4	.6	.2	.2	-	3.2	
27	-	.2	.2	.2	.5	.3	.6	.3	.2	-		
28	-	.2	.2	.3	.5	.4	.6	.2	.2	-		
29	-	.2	.2	.3	-	.4	.6	.3	.2	-		
30	-	.2	.2	.3	-	.4	.6	.3	.2	-		
31	-	-	.1	.3	-	.4	-	.2	-	-		-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4.1	2.0	-	0.13	8.1
November	18.9	6.5	-	.63	37
December	115.6	61	0.1	3.73	229
Calendar year 1934	718.2	448		1.97	1,420
January	78.3	50	.1	2.53	155
February	211.2	82	.2	7.54	419
March	60.9	29	.5	1.98	121
April	33.3	17	.3	1.11	66
May	9.8	.5	.2	.32	19
June	7.1	.4	.2	.24	14
July	4.65	.3	-	.15	9.0
August	4.90	3.2	-	.16	9.7
September	.60	-	-	.02	1.2
Water year 1934-35	549.35	82	-	1.51	1,090

Note.- Discharge less than 0.1 second-foot on days for which no discharge is given.

Piru Creek near Piru, Calif.

Location.- Water-stage recorder, lat. 34°25'30", long. 118°45'45", in southern part of Temescal grant, 2 miles above junction with Santa Clara River and about 1½ miles northeast of Piru, Ventura County. Altitude, about 780 feet. October 1927 to September 1934, water-stage recorder at Southern Pacific Co.'s railroad bridge 1½ miles downstream. Altitude, about 680 feet.

Drainage area.- 432 square miles.

Records available.- October 1911 to September 1913; October 1934 to September 1935; October 1927 to September 1934 at site 1½ miles downstream.

Extremes.- Maximum discharge during year, 3,660 second-feet Jan. 5 (gage height, 6.1 feet); minimum, 0.2 second-foot Sept. 20.
1927-35: Maximum discharge, 15,800 second-feet Feb. 9, 1932; no flow at times during 1927-34.

Remarks.- Records good. Daily discharge estimated Oct. 1-30, Nov. 15-16, Nov. 26 to Dec. 3, Jan. 16-17, Feb. 28 to Mar. 3, July 11. Doheny Ditch diverts above station. Piru Water Co. diverts below station. Results of one discharge measurement furnished by Ventura County Water 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	0.4	3.1	6	25	63	45	56	56	13	3.4	0.5	0.4
2	.4	2.9	6	25	60	400	56	48	11	4.9	.5	.4
3	.4	2.9	6	23	58	200	58	46	9.5	4.6	.7	.3
4	.4	2.9	6	67	71	125	65	46	8.5	3.9	.8	.3
5	.4	2.8	6	1,160	164	104	66	42	8.5	2.5	.8	.3
6	.5	2.8	6	282	194	89	59	41	8.5	2.0	.8	.3
7	.5	2.6	6	184	154	183	63	40	8	1.6	.7	.3
8	.6	2.6	41	133	120	160	308	41	7	1.4	.6	.3
9	.6	2.6	51	341	100	125	282	39	7	1.4	.6	.3
10	.6	2.6	23	387	87	109	157	38	6	1.3	.6	.3
11	.6	2.6	14	232	74	96	110	38	5.5	1.3	.6	.3
12	.6	2.6	13	171	71	94	100	33	5	1.2	.6	.3
13	.6	2.6	220	138	71	102	87	36	4.6	1.1	.6	.3
14	.6	2.8	879	123	69	118	81	37	5.5	1.0	.6	.3
15	.6	10	254	531	62	123	76	36	5	.9	.6	.3
16	.6	50	114	240	59	111	73	36	6	.9	.5	.3
17	.6	26	77	166	56	96	66	33	4.6	.8	.5	.3
18	1.0	33	52	146	53	89	59	28	4.4	.7	.5	.3
19	24	39	42	138	53	91	55	26	4.6	.7	.5	.3
20	5	26	34	104	52	87	53	24	4.6	.6	.5	.3
21	4.5	16	32	96	51	83	51	22	4.4	.6	.5	.3
22	3.6	12	29	91	48	80	50	18	3.6	.6	.4	.3
23	3.2	10	27	87	47	78	48	17	2.9	.6	.4	.3
24	3.2	9	25	80	48	91	47	18	3.2	.6	.4	.3
25	3.1	8	25	76	47	76	45	16	2.5	.6	.4	.3
26	3.1	8	23	76	45	66	44	14	2.2	.6	.4	.4
27	3.0	7	23	74	45	62	45	14	2.1	.5	.4	.4
28	3.0	6	56	73	45	59	45	14	2.0	.5	.4	.4
29	3.0	6	45	71	-	56	50	14	2.0	.5	.4	.5
30	3.0	6	35	68	-	58	59	16	2.2	.5	.4	.5
31	2.9	-	27	65	-	58	-	14	-	.5	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	74.6	24	0.4	2.41	148
November	310.4	50	2.6	10.3	616
December	2,203	679	6	71.1	4,370
Calendar year 1934	9,628.4	3,360	0	26.4	19,090
January	5,495	1,180	23	177	10,900
February	2,067	194	45	73.8	4,100
March	3,314	400	45	107	6,570
April	2,424	308	44	80.8	4,810
May	948	56	14	30.6	1,880
June	163.9	13	2.0	5.46	325
July	42.3	4.9	.5	1.36	84
August	16.6	.8	.4	.54	33
September	9.9	.5	.3	.33	20
Water year 1934-35	17,068.7	1,180	.3	46.8	33,860

Sespe Creek near Fillmore, Calif.

Location.- Water-stage recorder, lat. 34°26'55", long. 118°55'35", in NE¼ sec. 12, T. 4 N., R. 20 W., 0.1 mile below junction with Little Sespe Creek and 3⅞ miles north of Fillmore. Altitude, about 590 feet. Prior to Nov. 5, 1934, at site 3 miles downstream known as Sespe Creek at Sespe. Altitude, about 440 feet (revised).

Drainage area.- 257 square miles (at former site).

Records available.- November 1934 to September 1935. Comparable records obtained September 1911 to September 1913, October 1927 to November 1934, at site 3 miles downstream.

Extremes.- Maximum discharge during year, 16,200 second-feet Jan. 5 (gage height, 8.70 feet); no flow Oct. 1-16.
1927-35: Maximum discharge, about 34,000 second-feet Dec. 31, 1933; no flow for long periods.

Remarks.- Records good. Discharge estimated Oct. 19 to Nov. 14, Dec. 15-17, Jan. 16, 17, July 3-10. Fillmore Irrigation Co. diverts water about 1 mile above station (see miscellaneous measurements). Results of one discharge measurement furnished by Ventura County Water 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	5	13	68	109	73	94	125	34	3.6	0.1	0.2
2	0	3.5	12	63	102	783	94	101	30	4.5	.1	.2
3	0	3.3	12	60	100	407	96	90	28	3.6	.1	.2
4	0	3.2	11	404	118	246	114	81	26	3.2	.1	.2
5	0	3.1	11	4,440	199	182	100	77	24	2.8	.1	.2
6	0	3.0	11	615	235	164	92	73	21	2.4	.1	.2
7	0	2.9	12	364	206	472	116	73	20	2.0	.1	.2
8	0	2.8	298	235	182	400	1,480	70	19	1.6	.1	.2
9	0	2.7	98	1,200	164	276	630	68	18	1.2	.1	.2
10	0	2.6	43	741	149	243	383	67	16	1.0	.1	.2
11	0	2.5	23	522	138	216	305	65	14	.6	.1	.1
12	0	2.4	18	370	123	213	260	65	12	.6	.1	.1
13	0	2.3	1,530	316	111	216	230	63	11	.5	.1	.1
14	0	2.2	2,260	280	107	209	209	67	11	.4	.1	.1
15	0	8.5	339	2,070	102	206	201	60	10	.7	.1	.2
16	0	210	157	485	98	182	190	59	9.5	.3	.1	.3
17	95	87	101	320	96	167	171	55	9	.3	.1	.3
18	659	92	80	293	92	152	155	52	8	.3	.2	.3
19	130	246	68	276	90	141	145	47	7	.3	.2	.4
20	40	57	56	213	90	133	137	41	7	.3	.2	.4
21	25	24	49	185	88	128	131	40	6.5	.3	.2	.4
22	13	19	46	167	86	125	123	37	6	.3	.1	.2
23	10	17	41	158	82	123	120	39	6	.3	.1	.2
24	8	16	39	147	80	158	112	39	5.5	.2	.2	.2
25	7	15	37	141	78	130	106	37	5.5	.2	.2	.2
26	6	15	36	138	73	118	101	36	5.5	.2	.2	.2
27	5	15	38	128	71	111	101	36	5	.2	.2	.2
28	4	15	282	120	73	104	99	36	4.7	.2	.2	.2
29	3	14	116	118	-	100	117	36	4.2	.2	.2	.2
30	2.3	14	78	114	-	100	139	37	3.6	.1	.2	.2
31	2.5	-	73	111	-	98	-	36	-	.1	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,009.8	659	0	32.6	2,000
November	906	246	2.2	30.2	1,800
December	5,988	2,260	11	193	11,880
Calendar year 1934	26,383.0	7,220	0	72.3	52,330
January	14,852	4,440	60	479	29,460
February	3,242	235	71	116	6,430
March	6,376	783	73	206	12,650
April	6,351	1,480	92	212	12,600
May	1,808	125	36	58.3	3,590
June	387	34	3.6	12.9	768
July	32.5	4.5	.1	1.05	64
August	4.3	.2	.1	.14	8.5
September	6.5	.4	.1	.22	13
Water year 1934-35	40,963.1	4,440	0	101	81,260

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Hopper Creek near Piru, Calif.

Location.- Water-stage recorder, lat. 34°19', long. 118°49'40", on south line of NW¼ sec. 25, T. 4 N., R. 19 W., at highway bridge 2 miles southwest of Piru.

Drainage area.- 23.0 square miles.

Records available.- October 1930 to September 1932, October 1933 to September 1935.

Remarks.- Records furnished by Ventura County Water 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	0	0	0.5	0.6	0.4	0.5	2.5	0.1			
2	0	0	0	.3	.5	50	.5	1.3	.1			
3	0	0	0	.2	.5	10	1.3	1.0	.1			
4	0	0	0	24	1.5	2.5	1.3	.8	.1			
5	0	0	0	123	3.4	1.6	.8	.5	.1			
6	0	0	0	13	4.2	.9	.7	.4	0			
7	0	0	.4	3.0	3.6	25	3.4	.4	0			
8	0	0	9	1.5	1.5	14	92	.4	0			
9	0	0	1.8	32	1.3	6	15	.4	0			
10	0	0	.3	13	1.2	3.2	6	.4	0			
11	0	0	.2	7	1.0	1.9	3.5	.4	0			
12	0	0	.6	4.2	1.0	1.8	3.2	.3	0			
13	0	0	69	3.0	.9	1.6	2.9	.3	0			
14	0	0	147	3.0	.8	1.5	2.8	.3	0			
15	0	8	3.3	50	.8	1.3	2.3	.3	0			
16	0	9	1.0	6.5	.7	1.2	2.0	.3	0			
17	0	3.6	1.0	4.5	.7	1.0	1.8	.3	0			
18	25	14	.9	2.6	.6	.9	1.6	.3	0			
19	2.9	6.5	.8	2.1	.6	.6	1.4	.3	0			
20	.2	1.0	.7	1.8	.6	.8	1.3	.3	0			
21	.1	.8	.6	1.4	.6	.9	1.1	.3	0			
22	0	.6	.5	1.3	.6	.9	.9	.2	0			
23	0	.4	.4	1.2	.5	1.2	.9	.2	0			
24	0	.2	.3	1.1	.5	3.1	.8	.2	0			
25	0	0	.3	1.0	.5	1.8	.6	.2	0			
26	0	0	.2	.9	.5	1.0	.8	.2	0			
27	0	0	.3	.8	.5	.8	.8	.2	0			
28	0	0	6.5	.7	.4	.5	.7	.2	0			
29	0	0	1.2	.7	-	.5	2.3	.2	0			
30	0	0	.9	.7	-	.5	2.5	.2	0			
31	0	-	.7	.7	-	.5	-	.1	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	28.2	25	0	0.91	56
November	44.1	14	0	1.47	87
December	247.9	147	0	8.00	492
Calendar year 1934	1,395.2	713	0	3.82	2,760
January	305.7	123	.2	9.86	606
February	30.3	4.2	.4	1.08	60
March	138.1	50	.4	4.45	274
April	155.7	92	.5	5.19	309
May	13.4	2.5	.1	.43	27
June	.5	.1	0	.02	1.0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	963.9	147	0	2.64	1,910

Note.- No flow during months left blank.

Santa Paula Creek near Santa Paula, Calif.

Location.- Water-stage recorder, lat. 34°23'40", long. 119°4'35", 50 feet upstream from Santa Paula Water Works' diversion dam, near east boundary of Ex Mission San Buenaventura grant, and about 3 miles north of Santa Paula, Ventura County. Altitude, about 650 feet.

Drainage area.- 39.8 square miles.

Records available.- October 1927 to September 1935. October 1927 to Feb. 20, 1931, station was 500 feet downstream and below diversion of Santa Paula Water Works, Ltd.; also April 1912 to September 1913, about 2½ miles upstream.

Extremes.- Maximum discharge during year, 1,530 second-feet Jan. 5 (gage height, 4.00 feet); minimum, 0.5 second-foot Oct. 3.
1927-35: Maximum discharge, about 10,000 second-feet Dec. 31, 1933; minimum, 0.3 second-foot Aug. 25, 1933.

Remarks.- Records good. About 310 acre-feet was diverted from stream above station. Results of several discharge measurements furnished by Ventura County Water Survey. Mean daily discharge Aug. 10-27, Sept. 2-15, 18-30 taken from records of Santa Paula Water Works, Ltd.

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	2.2	2.5	3.2	9	21	14	22	26	11	6.5	3.8	2.1
2	1.2	2.2	2.9	7	21	66	21	23	11	6.5	4.3	2.5
3	.8	2.4	2.9	6.5	21	32	24	22	11	6	4.3	2.5
4	1.0	2.4	3.2	30	27	33	24	20	9.5	6	4.8	2.2
5	1.1	2.4	2.9	330	32	31	23	19	9	6	4.8	2.4
6	1.5	2.4	2.7	67	34	30	21	19	9.5	6	4.3	2.5
7	1.5	2.4	2.9	46	32	48	36	19	9.5	6	3.5	2.5
8	1.2	2.4	6	36	30	37	262	19	9	5.5	2.7	2.7
9	.7	2.4	2.9	117	27	32	132	19	9	5	3.2	2.7
10	.7	2.4	2.7	93	25	30	92	19	8	4.8	3.0	3.0
11	1.1	2.8	2.5	66	24	29	66	19	8	4.0	2.7	3.1
12	1.1	2.8	2.5	48	24	29	52	19	7.5	4.2	2.8	3.0
13	1.2	2.5	162	39	22	29	47	19	6.5	4.1	2.8	3.0
14	1.5	1.9	237	36	22	30	42	19	7	4.3	2.9	3.1
15	1.8	8	46	136	21	30	40	18	7.5	4.5	3.2	3.1
16	2.2	9.5	28	60	19	30	36	18	8	4.3	3.2	3.2
17	4.2	10	21	50	19	29	33	17	7.5	4.3	3.1	3.0
18	82	15	14	48	18	28	31	17	7.5	4.5	3.3	2.8
19	7.5	39	11	37	16	27	29	16	6	4.0	3.3	2.9
20	4.8	6	8	34	15	26	29	15	6	4.0	2.6	2.3
21	4.3	3.8	7	32	15	25	28	15	6	4.5	2.4	2.2
22	4.1	3.4	7	29	15	24	28	15	6.5	4.5	2.2	2.5
23	3.8	3.2	7	27	15	26	27	14	7.5	4.3	1.9	2.9
24	3.5	2.9	6.5	27	14	27	26	14	8	3.8	1.6	3.4
25	3.0	2.9	6.5	25	14	24	25	14	7.5	3.2	1.6	2.9
26	3.0	2.9	6.5	25	14	23	25	14	7	3.2	2.1	2.7
27	3.0	2.7	6.5	25	14	23	23	13	6.5	3.5	2.2	2.3
28	2.8	2.7	42	25	12	23	23	13	5	3.8	2.1	2.4
29	3.5	2.9	18	24	-	22	28	13	6	3.2	1.8	2.9
30	3.0	3.2	17	22	-	22	27	12	6	3.2	1.7	3.6
31	2.4	-	12	21	-	22	-	11	-	3.5	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	155.7	82	0.7	5.02	309
November	152	39	1.9	5.07	301
December	700.3	237	2.5	22.6	1,390
Calendar year 1934	5,421.4	1,230	.6	14.9	10,750
January	1,577.5	330	6.5	50.9	3,130
February	583	34	12	20.8	1,160
March	901	66	14	29.1	1,790
April	1,322	262	21	44.1	2,620
May	530	26	11	17.1	1,050
June	234	11	5	78.0	464
July	141.2	6.5	3.2	4.55	280
August	90.2	4.8	1.6	2.91	179
September	82.4	3.4	2.1	2.75	163
Water year 1934-35	6,469.3	330	.7	17.7	12,840

Matilija Creek at Matilija, Calif.

Location.- Water-stage recorder, lat. 34°29'5", long. 119°18'30", in NE¼ sec. 29, T. 5 N., R. 23 W., half a mile northwest of Matilija. Altitude, about 970 feet.

Drainage area.- 55 square miles.

Records available.- October 1927 to September 1935.

Extremes.- Maximum discharge during year, 2,050 second-feet Jan. 15 (gage height, 4.94 feet); minimum, 2.0 second-feet Oct. 7-16.
1927-35: Maximum discharge, 7,000 second-feet Dec. 31, 1933 (gage height, 7.20 feet); minimum, 0.4 second-foot Oct. 28, 1930.

Remarks.- Records good. No diversion above station. Results of 35 discharge measurements furnished by Ventura County Water 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	2.3	2.9	4.7	21	40	48	40	45	23	15	9.5	6.5
2	2.3	2.9	4.7	20	40	105	39	44	22	14	9.5	6.5
3	2.3	2.9	4.7	21	44	56	42	41	21	14	9.5	6
4	2.3	2.6	4.4	110	50	53	42	40	20	13	9.5	6
5	2.3	2.6	4.4	578	54	*53	42	40	20	12	9.5	6
6	2.3	2.6	4.4	91	53	*50	41	40	19	12	9.5	6
7	2.0	2.6	4.4	65	51	97	109	40	19	12	9	6
8	2.0	2.6	12	48	56	59	776	39	19	12	8	6
9	2.0	2.6	5.5	350	46	62	238	37	19	12	7.5	6
10	2.0	2.6	5	71	49	74	121	37	18	11	7.5	6
11	2.0	2.6	5	53	49	65	101	37	17	11	7.5	5.5
12	2.0	2.6	5	50	48	57	83	37	17	11	7.5	5.5
13	2.0	2.6	313	51	44	57	80	36	17	11	8	5
14	2.0	2.6	190	229	44	57	80	36	17	11	8	5
15	2.0	12	51	596	42	56	76	35	17	10	9	5
16	2.0	*5.5	37	336	41	54	74	34	17	10	9.5	5
17	28	*15	23	129	40	53	70	33	16	9.5	9	5.5
18	163	*6.5	21	103	37	49	67	33	16	10	9	5.5
19	*8.5	*19	18	96	35	49	64	31	16	10	8	5.5
20	5	5	17	85	34	49	65	31	15	11	7.5	5.5
21	5	4.7	17	76	34	49	64	30	14	11	7	5
22	4.7	5	17	80	33	48	59	29	14	11	7	5
23	4.4	5	16	68	33	51	57	29	14	11	7	5.5
24	4.1	5	14	64	33	45	53	29	14	11	7	5.5
25	3.8	5	12	59	33	45	50	28	14	11	6.5	6
26	3.5	5	11	53	31	44	49	27	14	10	7	6
27	2.9	5	16	45	30	41	48	27	14	9.5	7	6
28	2.9	5	55	41	30	41	48	26	14	9	7	6
29	2.9	4.7	23	41	-	40	54	26	14	9	6.5	6
30	2.9	4.7	23	41	-	40	49	25	14	9	6.5	6
31	2.9	-	22	41	-	40	-	24	-	9	6.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	278.3	163	2.0	8.98	552
November	149.4	19	2.6	4.98	296
December	960.2	313	4.4	31.0	1,900
Calendar year 1934	5,959.8	1,000	2.0	16.3	11,810
January	3,712	596	20	120	7,360
February	1,154	56	30	41.2	2,290
March	1,687	105	40	54.4	3,350
April	2,781	776	39	92.7	5,520
May	1,046	45	24	33.7	2,070
June	505	23	14	13.8	1,000
July	342	15	9	11.0	678
August	247	9.5	6.5	7.97	490
September	171	6.5	5	5.70	339
Water year 1934-35	13,032.9	776	2.0	35.7	25,840

*Estimated.

Ventura River near Ventura, Calif.

Location.- Water-stage recorder, lat. 34°20'55", long. 119°18'20", in southeast corner of Santa Ana grant, at highway bridge at entrance to Foster Memorial Park, a quarter of a mile below Ventura diversion dam and mouth of Coyote Creek and 5 miles north of Ventura, Ventura County. Altitude, about 210 feet.

Drainage area.- 187 square miles.

Records available.- September 1911 to January 1914, October 1929 to September 1935.

Extremes.- Maximum discharge during year, 6,010 second-feet Jan. 5 (gage height, 9.40 feet); no flow during parts of October, November, December.
1929-35: Maximum discharge, 23,000 second-feet Dec. 31, 1933 (gage height, 14.8 feet); no flow for long periods.

Remarks.- Records fair. Water diverted for irrigation and municipal use from Ventura River and tributaries above station. Results of many discharge measurements furnished by Ventura County Water 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	0	0	20	48	41	46	65	24	7	0.2	0.6
2	0	0	0	18	45	305	45	58	22	7.5	.4	.6
3	0	0	0	18	45	99	50	54	21	6	.4	.5
4	0	0	0	169	52	85	52	52	20	5	.3	.5
5	0	0	0	1,420	69	69	45	48	19	4.6	.3	.4
6	0	0	0	185	85	65	46	46	18	4.6	.3	.4
7	0	0	0	103	85	218	154	46	17	4.6	.2	.3
8	0	0	19	82	74	141	1,850	46	17	3.9	.2	.3
9	0	0	8.5	567	69	118	*500	45	16	3.5	.1	.2
10	0	0	6	270	63	103	222	45	15	2.8	.1	.4
11	0	0	5	163	58	96	163	41	15	2.1	.1	.1
12	0	0	5	125	56	93	141	41	15	1.7	.1	.1
13	0	0	821	106	54	91	125	41	15	1.0	.1	.1
14	0	0	858	99	52	88	114	39	15	.8	.2	.1
15	0	22	*e2	1,240	48	88	110	37	15	.6	.2	.2
16	0	28	*46	320	45	85	103	37	17	.5	.3	.2
17	0	20	31	185	41	85	96	34	17	.4	.3	.1
18	500	35	26	168	39	79	93	31	13	.3	.4	*.1
19	*21	144	22	152	37	77	88	30	11	.5	.4	*.1
20	*8	11	20	118	37	71	85	30	13	.5	.4	*.1
21	*4.2	4.2	19	99	37	71	85	30	11	.4	.4	.2
22	*3.5	2.8	20	91	36	67	82	30	9.5	.4	.4	.3
23	2.8	3.2	21	85	37	77	82	30	8.5	.4	.5	.1
24	1.7	1.4	21	82	39	91	77	30	8.5	.4	.5	.1
25	1.0	.1	21	74	41	69	74	31	8	.5	.6	.2
26	.5	0	21	69	39	58	69	28	7.5	.4	.6	.1
27	0	0	22	65	39	56	69	27	7.5	.4	.7	.1
28	0	0	156	60	39	52	69	27	e.5	.3	.7	.1
29	0	0	30	58	-	50	82	27	8	.3	.7	.1
30	0	0	24	54	-	46	71	27	7	.2	.6	.1
31	0	-	21	52	-	46	-	26	-	.1	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	542.7	500	0	17.5	1,080
November	271.7	144	0	9.06	539
December	2,325.5	858	0	75.0	4,610
Calendar year 1934	13,421.8	4,900	0	36.8	26,630
January	6,317	1,420	18	204	12,530
February	1,409	85	36	50.3	2,790
March	2,780	305	41	89.7	5,510
April	4,888	1,650	45	163	9,700
May	1,179	65	26	38.0	2,340
June	419	24	7	14.0	831
July	61.7	7.5	.1	1.99	122
August	11.4	.7	.1	.37	23
September	6.8	.6	.1	.23	14
Water year 1934-35	20,211.e	1,850	0	55.4	40,090

*Estimated.

North Fork of Matilija Creek at Matilija, Calif.

Location.- Water-stage recorder, lat. 34°29'15", long. 119°18'20", in NE¼ sec. 29, T. 5 N., R. 23 W., at highway bridge half a mile above junction with Matilija Creek and half a mile north of Matilija.

Drainage area.- 15.5 square miles.

Records available.- October 1928 to September 1932, October 1933 to September 1935.

Remarks.- Records furnished by Ventura County Water 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	0.4	0.6	0.8	4.1	6	7	8	9.5	4.4	2.1	1.0	1.0
2	.4	.6	.8	3.7	5.5	55	7.5	9	4.3	2.1	1.0	1.0
3	.4	.4	.8	3.7	4.9	15	8	9	4.1	2.0	1.0	1.0
4	.4	.4	.8	24	6	11	8	9	4.0	1.9	1.0	1.0
5	.6	.4	.8	158	8	13	8	9	3.9	1.9	1.0	1.0
6	.8	.4	.8	29	10	15	7.5	8.5	3.8	1.8	1.0	1.0
7	.8	.2	.8	12	9.5	51	28	8.5	3.7	1.8	1.0	1.0
8	.8	.2	5.5	12	8.5	30	128	8.5	3.6	1.7	1.0	1.0
9	.8	.2	1.6	68	8	27	32	8	3.6	1.6	1.0	1.0
10	.6	.2	1.6	43	7.5	20	22	7.5	3.5	1.6	1.0	1.0
11	.6	.2	1.6	20	6.5	13	21	7	3.4	1.6	1.0	1.0
12	.4	.2	1.6	15	7.5	12	17	7	3.3	1.5	1.0	1.0
13	.4	.2	86	13	5.5	11	15	6.5	3.2	1.5	1.0	1.0
14	.4	.2	121	60	5.5	10	13	6.5	3.1	1.5	1.0	1.0
15	.6	1.6	12	159	5.5	10	13	6.5	3.1	1.4	1.0	1.0
16	.8	1.1	7.5	37	5.5	10	12	6	3.0	1.4	1.0	1.0
17	8.5	6.5	3.7	25	5.5	9.5	12	6	3.0	1.4	1.0	1.0
18	38	2.1	3.7	21	5.5	9	12	6	2.9	1.4	1.0	1.0
19	1.9	9	3.4	17	5.5	9	12	6	2.8	1.3	1.0	1.0
20	.8	1.6	3.1	15	5.5	8.5	11	6	2.8	1.3	1.0	1.0
21	.8	1.6	3.1	15	5.5	8.5	9.5	5.5	2.7	1.3	1.0	1.0
22	.6	1.3	2.5	13	5.5	8.5	9	5.5	2.7	1.2	1.0	1.0
23	.8	1.1	2.5	13	5.5	8.5	8.5	5.5	2.6	1.2	1.0	1.0
24	.8	1.1	2.2	12	5.5	8.5	8.5	5.5	2.5	1.2	1.0	1.0
25	.8	.8	2.4	10	5.5	8.5	9	5	2.5	1.2	1.0	1.0
26	.6	.6	1.7	9.5	5.5	8	9	5	2.4	1.1	1.0	1.0
27	.6	.6	3.3	8.5	4.9	8	8.5	5	2.4	1.1	1.0	1.0
28	.6	.6	28	8.5	4.9	8	9	4.8	2.3	1.1	1.0	1.0
29	.4	.6	6.5	8	-	8	11	4.7	2.2	1.0	1.0	1.0
30	.4	.6	5.5	7.5	-	8	9.5	4.6	2.2	1.0	1.0	1.0
31	.4	-	4.9	6.5	-	8	-	4.5	-	1.0	1.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	65.2	38	0.4	2.10	129
November	35.2	9	.2	1.17	70
December	320.5	121	.8	10.3	636
Calendar year 1934	1,504.2	312	.2	4.12	2,980
January	851	159	3.7	27.5	1,690
February	174.7	10	4.9	6.24	347
March	436.5	55	7	14.1	866
April	486.5	128	7.5	16.2	965
May	205.6	9.5	4.5	6.63	408
June	94.0	4.4	2.2	3.13	186
July	45.2	2.1	1.0	1.46	90
August	31.0	1.0	1.0	1.0	61
September	30.0	1.0	1.0	1.0	60
Water year 1934-35	2,775.4	159	.2	7.60	5,510

Coyote Creek near Ventura, Calif.

Location.- Water-stage recorder, lat. 34°21'20", long. 119°18'50", 200 feet below highway bridge near southeast corner of Santa Ana grant, half a mile above junction with Ventura River, and 5½ miles northwest of Ventura, Ventura County.

Drainage area.- 41.1 square miles.

Records available.- October 1927 to September 1932, October 1933 to September 1935.

Extremes.- Maximum discharge during year, 2,900 second-feet Jan. 5 (gage height, about 5.7 feet); minimum, less than 0.1 second-foot for several periods.
1927-32, 1933-35: Maximum discharge, that of Jan. 5, 1935; no flow Aug. 19 to Sept. 18, 1929.

Remarks.- Records fair. Results of 45 discharge measurements furnished by Ventura County Water 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	0.1	0.1	0.2	2.1	6	4.7	5	9	2.2	0.6	0.3	0.2
2	.1	.1	.2	2.0	6	98	4.6	8	1.8	.5	.3	.1
3	.1	.1	.2	1.8	6	17	6	6.5	1.8	.5	.2	.1
4	.1	.1	.2	40	7	10	7	6	1.7	.4	.1	.1
5	.1	.1	.2	504	8.5	10	4.8	6	1.5	.4	.2	.1
6	.1	.1	.2	49	13	8.5	4.4	6	1.5	.4	.2	.1
7	.1	.1	.4	20	12	62	82	6	1.7	.3	.2	.1
8	.1	.1	.4	13	9.5	28	621	6	1.7	.4	.1	.1
9	.1	.2	.4	136	9	22	*138	6	1.5	.4	.1	.1
10	.1	.2	.4	38	8	16	61	6	1.5	.3	.1	.3
11	.1	.2	.4	24	7	14	38	6	1.4	.4	.1	.2
12	.1	.2	.4	17	7	12	*33	6	1.4	.4	.1	.2
13	.1	.2	288	13	7	11	*28	6	1.4	.4	.1	.2
14	.1	.2	286	12	7.5	10	*24	5	1.4	.4	.1	.2
15	.1	3.4	16	245	7	10	*20	4.7	1.3	.4	.1	.2
16	.1	1.6	7	43	6.5	10	*18	4.7	1.3	.4	.1	.2
17	.1	8	*4.5	29	6.5	10	15	4.3	1.2	.4	.1	.2
18	114	3.2	2.5	38	6.5	10	16	3.6	1.0	.4	.1	.2
19	1.1	43	1.9	33	6	10	14	3.6	.9	.4	.1	.2
20	.4	1.0	2.0	21	6	10	14	3.6	.8	.2	.1	.2
21	.2	.4	*1.8	18	6	8.5	14	3.6	.8	.5	.1	.2
22	.1	.3	*1.6	15	5	7.5	13	3.6	.7	.4	.1	.2
23	.1	.3	*1.3	13	5	12	11	3.2	.7	.4	.1	.2
24	.1	.3	1.1	12	4.6	19	11	3.2	.6	.4	.1	.2
25	.1	.2	1.0	11	4.2	7.5	9.5	3.2	.6	.4	.1	.2
26	.1	.2	1.0	10	4.1	6	9	3.0	.6	.4	.2	.2
27	.1	.2	1.1	9.5	5	6	8	2.9	.6	.4	.2	.2
28	.1	.2	40	8.5	4.2	5.5	8	2.7	.5	.4	.2	.2
29	.1	.2	4.2	8	-	5	13	2.4	.5	.3	.2	.2
30	.1	.2	3.0	7	-	5	12	2.5	.6	.2	.1	.2
31	.1	-	2.3	7	-	5	-	2.4	-	.2	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	118.4	114	0.1	3.82	235
November	64.7	43	.1	2.16	128
December	669.9	288	.2	21.6	1,330
Calendar year 1934	2,559.17	741	-	7.01	5,080
January	1,399.9	504	1.8	45.2	2,780
February	190.1	13	4.1	6.79	377
March	470.2	98	4.7	15.2	933
April	1,261.3	621	4.4	42.0	2,500
May	145.7	9	2.4	4.70	289
June	35.2	2.2	.5	1.17	70
July	12.0	.6	.2	.39	24
August	4.4	.3	.1	.14	8.7
September	5.3	.2	.1	.18	11
Water year 1934-35	4,377.1	621	.1	12.0	8,690

*Estimated.

Santa Ynez River at Juncal Reservoir, near Montecito, Calif.

Location.- Water-stage recorder, lat. 34°29'30", long. 119°30'50", in sec. 28, T. 5 N., R. 25 W., at Juncal Reservoir dam 8.5 miles northeast of Montecito.
Records available.- December 1930 to September 1935.
Remarks.- Montecito County Water District diverts at dam for municipal use in city of Montecito. Record furnished by Montecito County Water District.

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

Month	Second-foot days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34.5	22	0.1	1.11	68
November	24.0	5.5	.4	.80	48
December	137.7	67	.4	4.44	273
Calendar year 1934	1,267.9	625	.1	3.47	2,520
January	432.0	154	.1	13.9	857
February	70.4	6.5	1.3	2.51	140
March	222.5	24	1.0	7.18	441
April	246.9	59	2.8	8.23	490
May	93.3	5.6	.7	3.01	185
June	27.5	2.3	.1	.92	55
July	13.8	1.1	.3	.45	27
August	13.9	1.3	.4	.45	29
September	10.5	.5	.2	.35	21
Water year 1934-35	1,327.0	154	.1	3.64	2,630

Note.- Discharge equals change in storage plus discharge to city, plus discharge to river, plus waste over spillway, plus evaporation, and minus precipitation.

Santa Ynez River near Santa Barbara, Calif.

Location.- Lat. 34°31'40", long. 119°41', about on line between secs. 10 and 11, T. 5 N., R. 27 W., at Gibraltar Dam, 7 miles north of Santa Barbara.
Drainage area.- 219 square miles.
Average discharge.- 21 years (1904-6, 1911-14, 1916-17, 1920-35), 46.8 second-feet.
Records available.- November 1903 to April 1907, October 1907 to January 1908, February 1910 to November 1918, April 1920 to September 1935.
Remarks.- Beginning April 1920 discharge at station compiled from reservoir records. City of Santa Barbara diverts at dam for municipal use. Record furnished by city of Santa Barbara through R. A. Hill, consulting engineer for water department.

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

Month	Maximum	Minimum	Mean	Run-off in acre-feet
October	166	0	6.02	370
November	198	0	11.6	692
December	437	0	27.5	1,690
Calendar year 1934	3,210	0	20.6	14,920
January	855	4.1	120	7,390
February	42	19	26.2	1,460
March	139	20	52.0	3,200
April	1,160	34	116	6,870
May	47	16	25.1	1,540
June	16	.1	4.98	296
July	5.4	0	.57	35
August	0	0	0	0
September	0	0	0	0
Water year 1934-35	1,160	0	32.5	23,540

Note.- Discharge equals change in storage plus discharge to city, plus discharge to river, plus waste over spillway, plus evaporation, and minus precipitation.

Santa Ynez River below Gibraltar Dam, near Santa Barbara, Calif.

Location.- Lat. 34°31'40", long. 119°41', about on line between secs. 10 and 11, T. 5 N., R. 27 W., below Gibraltar Dam and 7 miles north of Santa Barbara.

Records available.- April 1920 to September 1935.

Average discharge.- 14 years, 22.1 second-feet.

Remarks.- Regulated by storage in reservoir and diversion to city of Santa Barbara. Record furnished by city of Santa Barbara through R. A. Hill, consulting engineer for water department.

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

Month	Maximum	Minimum	Mean	Run-off in acre-feet
October	2.4	0.5	0.71	43
November	1.6	.5	1.38	82
December	1.6	0	.87	53
Calendar year 1934	2,110	0	13.6	18,810
January	834	.4	104	6,400
February	42	12	24	1,330
March	159	13	45.3	2,780
April	1,025	26	110	6,530
May	43	8.6	18.5	1,140
June	10	1.4	5.68	338
July	1.4	.5	.86	53
August	.5	.5	.5	31
September	.5	.5	.5	30
Water year 1934-35	1,025	0	26.0	18,810

Note.- Discharge equals waste over spillway plus release to river.

Santa Ynez River near Santa Ynez, Calif.

Location.- Water-stage recorder, lat. 34°35'20", long. 120°1'25", in Canada de los Pinos grant at San Marcos road bridge 4 miles southeast of Santa Ynez, Santa Barbara County.

Drainage area.- 435 square miles.

Records available.- December 1928 to December 1931, October 1932 to September 1935.

Extremes.- Maximum gage height during year ending September 30, 1934, 8.29 feet Jan. 1, discharge not determined; no flow for long periods. Maximum discharge during year ending Sept. 30, 1935, 3,600 second-feet Jan. 15 (gage height, 8.40 feet); no flow several months.

Remarks.- Records good. Discharge estimated Jan. 21-25, Jan. 30 to Feb. 13, Mar. 3-7, May 8-13, May 31 to June 3, 1935. Daily discharge for year ending Sept. 30, 1934, and gage-height record and results of discharge measurements for year ending Sept. 30, 1935, furnished by city of Santa Barbara.

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			0	3,200	10	120	10	0.3				
2			0	750	10	84	9.5	.3				
3			0	440	10	67	8	.3				
4			0	250	9	58	7.5	.3				
5			0	170	9	52	7	.3				
6			0	120	10	48	6	.3				
7			0	80	10	42	5.5	.3				
8			0	50	10	38	5	.4				
9			0	45	10	34	5	.4				
10			0	41	10	30	4.4	.5				
11			0	38	11	28	3.7	.5				
12			0	35	10	26	3.0	.6				
13			0	32	10	23	2.3	.6				
14			0	28	9	21	1.6	.5				
15			0	26	12	20	1.6	.5				
16			0	26	16	18	1.6	.5				
17			0	26	21	18	1.5	.4				
18			0	26	26	16	1.5	.4				
19			0	26	20	16	1.5	.4				
20			0	21	21	16	1.4	.4				
21			0	16	23	15	1.4	.3				
22			0	26	23	15	1.2	.3				
23			0	26	28	16	1.1	.2				
24			0	23	550	18	1.0	.2				
25			0	20	445	16	.8	.1				
26			0	20	240	16	.7	.1				
27			0	15	240	18	.6	0				
28			0	12	180	16	.4	0				
29			0	12	-	14	.4	0				
30			0	11	-	12	.4	0				
31			3.2	10	-	10	-	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	3.2	3.2	0	.10	6.3
Calendar year 1933	5,852.5	640	0	16.0	11,580
January	5,621	3,200	10	181	11,150
February	1,983	550	9	70.8	3,930
March	941	120	10	30.4	1,870
April	95.6	10	.4	3.19	190
May	9.4	.6	0	.30	19
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 1933-34	8,653.2	3,200	0	23.7	17,170

Note.- No flow during months left blank.

Santa Ynez River near Santa Ynez, Calif.

(Continued)

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	50	37	79	111	22	2.9	1.7	0.3
2				0	47	70	73	103	21	2.8	1.6	.2
3				0	45	195	79	84	19	2.7	1.6	.2
4				.1	50	150	108	74	17	2.6	1.5	.2
5				144	90	100	109	67	14	2.6	1.4	.1
6				116	115	90	92	65	13	2.6	1.3	.1
7				82	110	170	100	63	12	2.6	1.2	.1
8				60	108	409	1,920	60	12	2.7	1.2	0
9				250	105	269	1,030	58	15	2.7	1.1	0
10				653	100	195	576	58	15	2.8	1.0	0
11				260	90	161	448	56	14	2.9	1.0	0
12				149	80	146	349	55	13	2.9	1.0	0
13				111	70	146	286	54	12	2.9	.9	0
14				106	62	142	248	52	12	2.7	.8	0
15				1,400	59	134	245	52	11	2.5	.8	0
16				557	55	123	239	50	9.5	2.4	.8	0
17				331	51	113	200	49	9	2.2	.8	0
18				230	49	105	180	46	8	2.1	.7	0
19				210	45	100	161	44	7.5	2.0	.6	0
20				177	42	95	130	42	7	1.9	.6	0
21				140	40	94	130	38	6	1.9	.6	0
22				110	38	95	123	34	6	2.0	.6	0
23				100	38	101	114	31	5.5	2.0	.5	0
24				90	38	171	106	29	6	2.1	.5	0
25				85	38	144	98	28	5	2.0	.4	0
26				80	37	121	92	28	4.6	2.1	.4	0
27				74	37	109	88	28	4.2	1.9	.4	0
28				69	37	97	86	27	3.6	1.8	.4	0
29				63	-	90	90	26	3.2	1.8	.4	0
30				60	-	84	113	25	2.9	1.8	.3	0
31				55	-	82	-	23	-	1.8	.3	-

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	8,650.0	3,200	0	23.7	17,160
January	5,762.1	1,400	0	186	11,430
February	1,726	115	37	61.6	3,420
March	4,138	409	37	133	8,210
April	7,692	1,920	73	256	15,260
May	1,560	111	23	50.3	3,090
June	310.0	22	2.9	10.3	615
July	72.7	2.9	1.8	2.35	144
August	26.4	1.7	.3	.85	52
September	1.2	.3	0	.04	2.4
Water year 1934-35	21,288.4	1,920	0	58.3	42,220

Note.- No flow during months left blank.

Santa Ynez River at Solvang, Calif.

Location.- Water-stage recorder, lat. 34°35'10", long. 120°8'40", in San Carlos de Jonata grant (previous reports are in error), at Mission Bridge, 25 feet below mouth of Alisal Creek and 0.9 mile south of Solvang, Santa Barbara County.

Drainage area.- 585 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum gage height during year ending Sept. 30, 1934, 8.94 feet Jan. 1 (discharge not determined). Maximum discharge during year ending Sept. 30, 1935, 4,810 second-feet Apr. 8 (gage height, 6.14 feet); minimum, 1.4 second-feet Aug. 2 (gage height, 1.97 feet).

Remarks.- Record of daily discharge for year ending Sept. 30, 1934, and gage-height record and results of discharge measurements for year ending Sept. 30, 1935, furnished by city of Santa Barbara.

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	2.5	4.7	6	3,400	18	170	18	6	3.2	3.0	1.0	1.6
2	2.5	4.5	6.5	780	18	120	18	6	3.2	3.1	1.0	1.6
3	2.5	4.2	7	450	18	85	17	6	3.4	3.4	1.1	1.6
4	2.4	4.3	7	255	18	79	16	6	4.1	3.1	1.1	1.6
5	2.5	4.4	7	130	18	71	16	5.5	5	2.9	1.0	1.6
6	2.8	4.5	7	80	16	65	15	5	6	2.9	.9	1.7
7	3.0	4.5	7.5	60	16	59	15	5	6	3.1	.9	1.7
8	3.3	4.5	7.5	55	16	56	14	4.8	5	3.1	.8	1.9
9	3.5	4.5	7	50	18	53	14	4.6	4.8	3.1	.8	2.0
10	3.8	4.6	7	43	17	49	14	4.6	4.8	3.1	.8	2.3
11	3.8	4.6	7	37	18	43	13	4.4	4.8	2.9	.9	2.5
12	3.9	4.6	7.5	31	18	39	12	4.4	4.6	2.9	1.1	2.5
13	4.0	4.7	9.5	28	18	37	12	4.4	4.2	2.9	1.4	2.3
14	4.1	4.9	9	27	18	35	7	4.2	4.0	2.9	1.6	2.2
15	4.2	5	9	26	18	33	7	4.1	3.2	2.9	1.6	2.2
16	4.1	5	9	24	18	31	7	4.0	3.0	2.6	1.5	2.0
17	4.0	5.5	8	20	20	30	6.5	4.1	3.0	2.6	1.5	1.8
18	3.9	5.5	7.5	20	26	28	6.5	4.2	3.1	2.6	1.5	1.9
19	3.9	6	7.5	20	27	27	6.5	4.6	2.9	2.4	1.5	2.3
20	3.9	6	7.5	20	27	26	6	4.6	3.0	2.4	1.6	2.6
21	3.9	6	7.5	20	28	24	6	4.8	2.9	2.4	2.0	2.8
22	4.0	5.5	7	20	31	21	6	4.8	2.7	2.2	2.6	2.6
23	4.0	5	7	20	80	22	6	4.8	2.7	2.0	2.6	2.8
24	3.9	4.9	7	20	575	23	6	4.8	2.9	1.9	2.8	3.1
25	3.9	4.9	7	19	470	24	5.5	4.6	3.0	1.9	2.6	3.1
26	3.9	5	7	19	325	24	5	4.8	3.0	1.8	2.3	3.4
27	4.0	5	7	18	290	24	5	5	2.9	1.6	2.2	3.7
28	4.1	5.5	7	18	250	24	5	4.8	2.9	1.4	2.2	3.7
29	4.1	5.5	7.5	18	-	24	5	4.2	3.0	1.2	1.9	4.0
30	4.6	5.5	8.5	18	-	20	5.5	3.4	3.0	1.1	1.8	4.0
31	4.8	-	7.5	18	-	20	-	3.5	-	1.0	1.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	113.8	4.8	2.4	3.67	226
November	149.3	6	4.2	4.98	296
December	231.0	9.5	6	7.45	458
Calendar year 1933	8,638.7	709	1.6	23.7	17,160
January	5,764	3,400	18	186	11,430
February	2,430	575	16	86.8	4,820
March	1,386	170	20	44.7	2,750
April	295.5	18	5	9.85	586
May	146.0	6	3.4	4.71	290
June	110.3	6	2.7	3.68	219
July	76.4	3.4	1.0	2.46	152
August	48.3	2.8	.8	1.56	96
September	73.1	4.0	1.6	2.44	145
Water year 1933-34	10,823.7	3,400	.8	29.7	21,470

Santa Ynez River at Solvang, Calif.

(Continued)

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	*3.5	6	5.5	4.9	65	32	84	139	23	4.8	2.1	3.5
2	*3.5	5.5	4.9	5	64	77	79	131	*22	4.8	1.9	3.8
3	3.5	5.5	5.5	5.5	59	187	82	115	*20	1.4	1.9	3.8
4	3.5	5.5	5.5	8.5	65	145	107	100	*18	4.6	2.2	3.5
5	3.4	5.5	5.5	148	89	105	123	89	*16	4.9	2.2	3.1
6	3.4	5.5	5.5	104	123	84	110	77	*14	4.1	2.3	3.4
7	3.2	6	5.5	91	125	321	155	74	13	4.4	2.6	3.6
8	3.1	6	5	37	115	502	2,560	73	13	5	2.7	3.2
9	3.1	6.5	5	330	107	348	2,180	72	13	4.9	2.7	3.1
10	3.1	6.5	5.5	759	93	256	1,020	70	14	4.9	2.9	3.1
11	3.1	6.5	7	300	87	212	765	67	14	5	3.4	3.2
12	3.1	6.5	*6.5	170	80	183	572	66	14	5	3.5	3.1
13	3.1	6.5	*6.5	120	73	183	446	66	13	5	3.2	3.1
14	3.1	6.5	*6	152	69	173	370	66	13	5	3.5	3.4
15	3.2	8.5	4.8	1,600	65	166	324	65	13	4.9	3.8	3.5
16	3.6	9	4.8	637	62	153	306	62	13	4.9	3.8	3.6
17	4.8	9	4.8	324	59	139	250	59	13	4.8	4.1	3.5
18	5	8.5	4.8	239	55	128	203	53	12	4.4	4.2	3.4
19	5.5	14	4.8	216	52	123	176	48	10	4.4	4.2	3.4
20	5.5	10	4.8	190	48	118	148	43	8.5	4.2	3.8	3.4
21	5.5	8.5	4.8	153	44	118	139	35	7.5	4.8	3.0	3.4
22	5	7.5	4.8	134	40	115	131	31	7.5	3.9	2.7	3.5
23	4.6	6.5	4.8	125	41	151	128	29	7.5	3.8	2.7	3.9
24	*4.8	5.5	4.8	112	40	203	118	27	6.5	3.4	2.6	4.1
25	*4.8	4.9	4.8	107	36	180	110	27	5.5	3.9	2.9	4.1
26	5	5	4.8	100	35	148	105	27	5	3.4	3.4	4.1
27	5	5	4.9	91	33	128	100	27	4.9	3.2	3.8	4.1
28	5	5	8	82	32	112	98	24	4.6	3.9	3.9	3.8
29	5.5	5.5	6.5	76	-	102	105	26	4.6	3.0	3.9	3.8
30	5.5	5.5	5.5	69	-	95	125	26	5	2.1	3.8	3.8
31	5.5	-	4.9	65	-	93	-	25	-	2.0	3.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	129.5	5.5	3.1	4.18	257
November	202.4	14	4.9	6.75	401
December	166.8	8	4.8	5.38	331
Calendar year 1934	10,828.3	3,400	.8	29.7	21,480
January	6,554.9	1,600	4.9	211	13,000
February	1,856	125	32	66.3	3,680
March	5,080	502	32	164	10,080
April	11,239	2,560	79	375	22,290
May	1,839	139	24	59.3	3,650
June	348.1	23	4.6	11.6	690
July	131.8	5	2.0	4.25	261
August	97.1	4.2	1.9	3.13	193
September	1,063	4.1	3.1	3.54	211
Water year 1934-35	27,750.9	2,560	1.9	76.0	55,040

*Estimated.

Santa Ynez River near Lompoc, Calif.

Location.- Water-stage recorder, lat. 34°38'30", long. 120°25'50", near east boundary of La Mision Vieja la Purisima grant, at highway bridge 1½ miles east of Lompoc, Santa Barbara County.

Drainage area.- 790 square miles.

Records available.- November 1906 to September 1918, April 1925 to September 1935. (Discharge not computed for 1909.)

Average discharge.- 19 years (1907-08, 1910-18, 1925-35), 221 second-feet.

Extremes.- Maximum discharge during year, 2,980 second-feet Apr. 9 (gage height, 14.96 feet); no flow Oct. 1-17.
1906-18, 1925-35: Maximum discharge, 41,800 second-feet Jan. 25, 1914 (gage height, 13.0 feet); no flow for several months in 1929, 1930, 1931, 1934.

Remarks.- Records fair. Discharge estimated July 3-9. Water diverted by city of Santa Barbara at Gibraltar Dam, and some irrigation water is pumped from wells along banks of river. Gage-height record and results of 45 discharge measurements furnished by city of Santa Barbara.

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	0.1	0.3	88	45	100	121	25	2.9	0.6	0.3
2	0	.2	.1	.3	85	68	96	125	23	2.9	.6	.3
3	0	.1	.1	.4	79	84	105	123	23	2.8	.6	.3
4	0	.1	.1	3.8	88	136	109	112	21	2.7	.6	.3
5	0	.1	.1	97	88	133	113	102	20	2.6	.5	.3
6	0	.1	.1	2.9	112	107	126	95	17	2.4	.4	.3
7	0	.1	.1	23	128	265	190	87	16	2.2	.3	.5
8	0	.1	.1	41	135	328	735	80	15	2.0	.3	.4
9	0	.1	.1	258	125	444	2,300	73	15	1.8	.3	.4
10	0	.1	.2	411	125	349	987	68	14	1.6	.3	.4
11	0	.2	.2	775	112	266	676	66	14	1.4	.3	.4
12	0	.2	.2	670	112	220	540	62	13	1.4	.3	.4
13	0	.2	.2	675	102	197	456	61	12	1.2	.3	.4
14	0	.2	.2	833	93	179	310	60	12	1.2	.3	.4
15	0	.2	.2	668	88	173	280	60	11	.9	.2	.4
16	0	.2	.2	1,380	85	159	273	60	9.5	.8	.1	.4
17	0	.2	.2	432	82	148	270	58	9	1.4	.1	.3
18	.1	.2	.2	411	79	136	253	56	8	1.2	.1	.3
19	.1	10	.2	360	76	128	236	54	7.5	.7	.1	.3
20	.1	.3	.2	262	69	120	214	54	7	.7	.1	.3
21	.1	.1	.2	204	67	118	186	48	7	.6	.1	.3
22	.1	.1	.2	177	64	113	173	46	7	.6	.1	.3
23	.1	.1	.2	161	58	169	163	41	6	.5	.1	.3
24	.1	.1	.3	158	53	176	155	40	6	.4	.1	.3
25	.1	.1	.3	142	51	197	148	36	5.5	.4	.1	.3
26	.1	.1	.3	128	51	182	143	35	5.5	.5	.1	.3
27	.1	.1	.3	112	47	151	132	34	4.4	.6	.2	.3
28	.1	.1	.4	105	45	133	125	32	3.9	.5	.2	.3
29	.1	.1	.5	96	-	120	121	30	3.4	.6	.2	.3
30	.1	.1	.3	96	-	111	116	28	3.2	.5	.3	.3
31	.1	-	.3	93	-	109	-	26	-	.6	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1.4	0.1	0	0.05	2.8
November	14.0	10	.1	.47	28
December	6.4	.5	.1	.21	13
Calendar year 1934	12,116.8	3,040	0	33.2	24,030
January	8,775.7	1,380	.3	283	17,410
February	2,387	135	45	85.2	4,730
March	5,264	444	45	170	10,440
April	9,831	2,300	96	328	19,500
May	1,973	125	26	63.6	3,910
June	343.9	25	3.2	11.5	682
July	40.6	2.9	.4	1.31	81
August	8.2	.6	.1	.26	16
September	10.1	.5	.3	.34	20
Water year 1934-35	28,655.3	2,300	0	78.5	56,830

Cuyama River near Santa Maria, Calif.

Location.- Water-stage recorder, lat. 35°50", long. 120°16'45", in Suey grant, at highway bridge 3 miles above mouth of Alamos Creek and 10 miles northeast of Santa Maria, Santa Barbara County. Altitude, about 610 feet.

Drainage area.- 576 square miles.

Records available.- December 1929 to September 1935.

Extremes.- Maximum discharge during year, 820 second-feet Apr. 8 (gage height, 3.10 feet); no flow at times during October.
1929-35: Maximum discharge, 4,480 second-feet Feb. 9, 1932 (gage height, 4.72 feet); no flow for long periods.

Remarks.- Records fair. Discharge estimated Oct. 1 to Nov. 15, Jan. 17, 20, 21, Mar. 15-18, Apr. 17 to Sept. 30. No diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0.1	8	6	14	12	15	10	4.8	1.2	0.3	0.4
2		.1	8	6	14	16	15	10	4.6	1.8	.3	.4
3		.1	8	6	14	26	16	10	4.4	1.6	.4	.3
4		.1	8	7	17	40	16	10	4.2	1.4	.5	.2
5		.1	8	39	22	23	14	10	4.0	1.2	.4	.3
6		.1	8	105	22	19	14	10	3.8	1.1	.3	.3
7		.1	8	35	24	42	16	9.7	3.5	.9	.2	.4
8		.1	8	21	24	77	390	9.5	3.2	.8	.2	.4
9		.1	8	25	18	60	197	9.5	2.9	.7	.2	.5
10		.1	34	28	16	38	126	9	2.6	.6	.2	.6
11		.1	14	88	16	29	58	9	2.3	.6	.2	.7
12		.1	8.5	50	16	23	34	9	2.0	.6	.2	.7
13		.1	12	37	15	19	31	8.5	1.8	.6	.2	.6
14		.1	27	33	15	16	29	8.5	1.8	.8	.2	.6
15		.1	42	56	14	16	51	8	1.8	.9	.2	.5
16		2.0	48	120	14	16	43	8	1.7	.8	.5	.4
17		38	24	48	14	15	40	7.5	1.7	.6	.8	.3
18		28	16	56	12	15	36	7.5	1.7	.4	.8	.3
19		46	12	98	11	15	32	7	1.6	.3	.7	.3
20		25	10	35	11	15	28	7	1.6	.2	.6	.3
21		30	9	23	11	16	27	6.5	1.6	.3	.5	.4
22		15	8.5	21	11	18	24	6.5	1.5	.5	.4	.4
23		9.5	7.5	18	9	26	21	6	1.5	.6	.3	.4
24		9	7	18	11	28	18	6	1.5	.5	.2	.4
25		9	7	16	11	21	15	5.5	1.4	.4	.2	.5
26		9	6.5	16	11	19	12	5.5	1.4	.4	4.5	.5
27		9	7	16	12	17	11	5	1.4	.3	7	.6
28		9	9	16	12	16	11	5	1.3	.2	2.5	.6
29		8.5	6.5	16	-	16	10	5	1.3	.2	1.0	.6
30		8.5	6	15	-	16	10	5	1.3	.3	.6	.6
31		-	6	14	-	15	-	5	-	.4	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3.1	-	0	0.1	6.1
November	257.0	46	.1	8.57	510
December	399.5	34	6	12.9	792
Calendar year 1934	1,985.2	195	0	5.44	3,930
January	1,088	120	6	35.1	2,160
February	411	24	9	14.7	815
March	740	77	12	23.9	1,470
April	1,360	390	10	45.3	2,700
May	238.7	10	5	7.70	473
June	70.2	4.8	1.3	2.34	139
July	21.2	1.8	.2	.68	42
August	25.1	7.0	.2	.81	50
September	13.5	.7	.2	.45	27
Water year 1934-35	4,627.3	390	0	12.7	9,180

Note.- No flow at times during October; mean for month estimated.

Huasna River near Santa Maria, Calif.

Location.- Water-stage recorder, lat. 35°01'20", long. 120°19'20", in Suey grant, half a mile above junction with Cuyama River and 8 miles northeast of Santa Maria.

Drainage area.- 119 square miles.

Records available.- December 1929 to September 1935.

Extremes.- Maximum discharge during year, 3,110 second-feet Apr. 8 (gage height, 6.78 feet); no flow Oct. 1 to Nov. 16.
1929-35: Maximum discharge, 4,000 second-feet Dec. 28, 1931; no flow for part of several years.

Remarks.- Records good. No diversions 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	1.5	1.6	3.1	2.4	7.5	9	2.4	0.8	0.2	0.6
2		0	1.4	1.8	2.9	2.9	7	7.5	2.1	1.5	.2	.7
3		0	1.5	1.8	3.1	2.7	9	7.5	2.3	1.3	.4	.5
4		0	1.5	2.4	4.5	2.3	54	7.5	2.1	1.2	.4	.3
5		0	1.5	9.5	5	2.2	36	7	2.3	1.2	.2	.3
6		0	1.4	4.1	4.1	2.1	28	7	2.4	1.2	.2	.3
7		0	1.4	2.9	3.7	4.5	28	7	2.4	1.1	.1	.4
8		0	1.4	2.5	3.7	6.5	1,490	6.5	2.3	1.1	.1	.6
9		0	1.4	6.5	3.5	13	318	6.5	2.1	1.1	.1	.6
10		0	1.4	6	3.3	15	149	6	2.0	.8	.1	.8
11		0	1.4	4.1	3.1	12	100	6	1.9	.8	.1	.8
12		0	1.4	3.3	3.1	11	73	5.5	2.0	.7	.1	.8
13		0	2.1	3.1	2.9	9.5	55	5.5	1.9	.7	.1	.7
14		0	5.5	3.7	3.1	9	44	5.5	1.8	.8	.1	.6
15		0	2.9	10	2.7	8	41	5.5	1.8	.8	.1	.5
16		0	2.1	10	2.5	7	38	5	1.8	.8	.7	.4
17		.8	1.8	7	2.4	6.5	30	4.7	1.5	.8	1.4	.3
18		3.5	1.7	8	2.3	6	26	4.5	1.4	.4	1.2	.3
19		16	1.7	12	2.3	6	24	4.2	1.5	.2	.8	.3
20		5.8	1.6	9.5	2.2	5.5	22	4.0	1.7	.2	.6	.3
21		4.1	1.6	6	2.1	5.5	20	3.8	1.5	.4	.3	.4
22		3.3	1.6	5.5	2.0	5.5	18	3.7	1.2	.7	.2	.5
23		2.7	1.6	4.5	2.0	6.5	16	3.7	1.1	.7	.2	.7
24		2.2	1.6	4.3	1.8	11	14	3.6	.9	.7	.2	1.1
25		2.0	1.6	4.1	1.8	14	14	3.6	.6	.4	.2	1.2
26		1.7	1.6	3.9	1.8	11	12	3.4	1.5	.3	3.1	1.5
27		1.5	1.8	3.7	2.0	10	12	3.2	1.6	.2	3.7	1.8
28		1.4	2.3	3.7	2.0	9.5	10	3.1	1.4	.2	2.1	1.7
29		1.5	2.0	3.5	-	8.5	11	3.1	1.4	.1	1.5	1.8
30		1.5	2.0	3.3	-	7.5	10	3.0	1.1	.1	1.3	1.8
31		-	1.8	3.1	-	7.5	-	2.8	-	.2	.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	48.0	16	0	1.60	95
December	56.1	5.5	1.4	1.81	111
Calendar year 1934	300.6	16	0	.82	599
January	155.6	12	1.8	5.02	309
February	79.0	5	1.8	2.82	157
March	230.6	15	2.1	7.44	457
April	2,716.5	1,490	7	90.6	5,390
May	158.7	9	2.6	5.12	315
June	52.0	2.4	.6	1.73	103
July	21.4	1.5	.1	.69	42
August	20.9	3.7	.1	.67	41
September	22.8	1.8	.3	.76	45
Water year 1934-35	3,561.6	1,490	0	9.76	7,070

Note.- No flow during October.

Salinas River near Santa Margarita, Calif.

Location.- Water-stage recorder, lat. 35°24'20", long. 120°34'5", in N½ sec. 15, T. 29 S., R. 13 E., 250 feet below Calf Canyon highway bridge, 250 feet above Morano Creek, and 2½ miles northeast of Santa Margarita. Altitude, about 960 feet.

Drainage area.- 150 square miles.

Records available.- April to September 1922, February 1932 to September 1935.

Extremes.- Maximum discharge during year, 5,700 second-feet Apr. 8 (gage height, 10.50 feet); no flow for several months.
1932-35: Maximum discharge recorded, that of Apr. 8, 1935; no flow for long periods.

Remarks.- Records good except those for Dec. 5-17, Mar. 6-26, which are fair and were estimated on basis of records of nearby streams. No diversions 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	0	1.8	10	7	22	21	3.0	0.3		
2		0	0	2.0	10	11	21	18	2.7	.4		
3		0	.1	2.2	10	8.5	92	17	2.0	.3		
4		0	.2	6.5	15	8	158	15	1.8	.2		
5		0	.2	140	17	8	107	12	1.7	.2		
6		0	.2	30	15	8	75	11	1.6	.1		
7		0	.2	15	14	100	628	11	1.4	.1		
8		0	.2	11	12	140	3,570	11	1.2	.1		
9		0	.2	119	11	90	750	11	1.1	.1		
10		0	.2	114	10	75	310	11	.8	.1		
11		0	.2	88	10	70	182	10	.6	.1		
12		0	.2	35	10	65	128	9	.5	.1		
13		0	6	21	10	50	103	8	.5	0		
14		0	4.0	154	9.5	45	88	8	.5	0		
15		0	3.0	911	9	40	96	8	.5	0		
16		0	2.0	194	9	38	94	8	.5	0		
17		0	1.0	103	9	35	74	7	.5	0		
18		0	.5	68	8	32	62	5.5	.5	0		
19		2.4	.5	148	8	32	53	5	.4	0		
20		0	.4	81	7.5	30	46	4.8	.3	0		
21		0	.4	53	7	30	37	4.8	.3	0		
22		0	.4	39	7	30	33	4.4	.3	0		
23		0	.4	30	7	40	30	4.1	.3	0		
24		0	.4	25	7	70	28	4.1	.3	0		
25		0	.4	21	6.5	55	24	4.4	.3	0		
26		0	.4	18	6.5	50	22	4.4	.3	0		
27		0	.9	17	6	44	21	4.1	.3	0		
28		0	2.5	14	6	30	18	3.8	.3	0		
29		0	1.5	12	-	26	24	3.8	.3	0		
30		0	1.8	12	-	25	23	3.8	.3	0		
31		-	1.8	11	-	24	-	3.4	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	2.4	2.4	0	.08	4.8
December	30.5	6	0	.98	60
Calendar year 1934	2,345.1	510	0	6.42	4,650
January	2,496.5	911	1.8	80.5	4,950
February	267.0	17	6	9.54	530
March	1,316.5	140	7	42.5	2,610
April	6,919	3,570	18	231	13,720
May	256.4	21	3.4	8.27	509
June	25.1	3.0	.3	.84	50
July	2.1	.4	0	.07	4.2
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	11,316.5	3,570	0	31.0	22,440

Note.- No flow during months left blank.

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Salinas River near Spreckels, Calif.

Location.- Water-stage recorder, lat. 36°37'50", long. 121°40'40", in El Toro grant, at bridge on Salinas-Monterey highway 0.5 mile above Toro Creek, 2 miles west of Spreckels, and 4 miles south of Salinas, Monterey County. Altitude, about 50 feet.

Drainage area.- 4,180 square miles.

Records available.- January 1900 to August 1901, December 1929 to September 1935.

Extremes.- Maximum discharge during year, 24,200 second-feet Apr. 9 (gage height, 18.70 feet); no flow Oct. 1-9.
1929-35: Maximum discharge, 42,100 second-feet Dec. 29, 1931 (gage height, 20.4 feet); no flow at times. A previous high-water mark of 26.6 feet is indicated at oil pumping station opposite gage house; date and discharge unknown.

Remarks.- Records good. Discharge estimatsd Oct. 10, July 19 to Sept. 30. Small diversions 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	4.6	4.1	266	16	278	470	13	1.3	0.2	0.1
2	0	8	4.4	4.0	236	14	254	430	11	1.3	.2	.1
3	0	7	4.2	4.0	206	13	254	406	10	1.1	.2	.1
4	0	6	4.1	4.0	190	12	248	380	9	1.1	.2	.1
5	0	6	4.1	4.2	170	13	339	346	8.5	.8	.2	.1
6	0	6	4.0	4.2	156	18	462	320	8	.6	.2	.1
7	0	6	3.8	.151	140	34	998	291	7.5	.5	.2	.1
8	0	6	3.6	140	130	291	1,800	266	7	.4	.2	.1
9	0	6	3.5	33	128	933	17,300	248	7	.4	.2	.1
10	1.0	6	3.4	529	120	1,490	10,400	223	6	.4	.2	.1
11	2.8	5.5	3.4	2,970	106	1,150	5,650	203	6	.3	.2	.1
12	3.2	5	3.2	2,590	96	891	3,800	190	5.5	.3	.2	.2
13	3.6	5	3.6	1,720	89	706	2,960	174	5.5	.3	.2	.4
14	3.8	5	3.8	1,220	82	569	2,410	156	4.7	.3	.2	.5
15	4.0	5	3.5	998	73	494	2,080	142	4.2	.3	.2	.6
16	4.1	5.5	3.1	2,430	65	429	1,960	127	4.0	.8	.1	.6
17	4.2	6	3.0	3,680	60	387	1,860	113	3.7	.3	.1	.7
18	4.6	6	3.0	2,590	54	336	1,800	104	3.4	.3	.1	.7
19	4.7	7	3.0	2,220	52	304	1,650	91	3.2	.3	.1	.7
20	5	6	3.0	1,860	47	275	1,400	80	3.2	.3	.1	.8
21	5	6	3.0	2,010	44	266	1,220	74	2.9	.3	.1	.8
22	5.5	5.5	3.1	1,580	40	254	1,080	64	2.9	.3	.1	.8
23	6	5.5	3.2	1,200	37	242	975	56	2.4	.3	.1	.9
24	6	5	3.2	933	31	236	875	51	2.4	.3	.1	.9
25	6	5	3.2	766	27	288	755	45	2.4	.2	.1	.9
26	6	5	3.2	646	23	291	688	40	2.4	.2	.1	.9
27	5.5	5	4.1	550	19	494	620	35	2.2	.2	.1	1.0
28	5.5	4.8	4.4	469	17	436	568	29	2.0	.2	.1	1.0
29	5.5	4.6	4.1	404	-	377	534	25	1.7	.2	.1	1.0
30	6	4.6	4.1	350	-	333	506	21	1.7	.2	.1	1.0
31	6	-	4.2	304	-	307	-	17	-	.2	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	104.0	6	0	3.35	206
November	171.0	8	4.6	5.70	339
December	112.3	4.6	3.0	3.62	223
Calendar year 1934	44,140.6	5,750	0	121	87,550
January	32,367.5	3,680	4.0	1,044	64,200
February	2,704	266	17	96.6	5,360
March	11,899	1,490	12	384	23,600
April	65,724	17,300	248	2,191	130,400
May	5,217	470	17	168	10,350
June	153.4	13	1.7	5.11	304
July	13.5	1.3	.2	.44	27
August	4.6	.2	.1	.15	9.1
September	15.5	1.0	.1	.52	31
Water year 1934-35	118,485.8	17,300	0	325	235,000

San Antonio River at Pleyto, Calif.

Location.- Water-stage recorder, lat. 35°51'55", long. 120°59'30", in Pleyto grant, at highway bridge at old town site of Pleyto, Monterey County, 1.1 miles below Copperhead Creek and 15 miles west of Bradley. Altitude, about 720 feet.

Drainage area.- 282 square miles.

Records available.- April to September 1922, December 1929 to September 1935.

Extremes.- Maximum discharge during year, 4,650 second-feet Apr. 8 (gage height, 3.96 feet); no flow for several months.
1930-35: Maximum discharge, 7,460 second-feet Dec. 28, 1931 (gage height, 4.55 feet); no flow for long periods.

Remarks.- Records fair. Discharge mostly estimated Jan. 5-8, Mar. 18-23, June 8 to July 10. Small diversions 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	72	32	47	116	7	0.4		
2				0	70	38	43	106	7	.4		
3				0	68	47	40	99	6.5	.3		
4				0	65	48	230	97	6	.3		
5				.2	68	48	255	97	5.5	.2		
6				7	65	47	198	90	5	.2		
7				25	61	269	219	76	4.9	.1		
8				81	59	390	2,280	70	4.5	.1		
9				512	61	242	1,290	66	4.0	.1		
10				530	59	184	673	61	3.5	.1		
11				338	57	133	448	57	3.0	0		
12				206	54	126	396	53	2.6	0		
13				152	50	100	340	51	2.2	0		
14				200	45	92	290	47	1.8	0		
15				537	40	83	290	41	1.6	0		
16				372	38	75	436	35	1.5	0		
17				354	36	72	299	30	1.4	0		
18				300	36	70	258	24	1.3	0		
19				327	36	68	240	20	1.2	0		
20				250	36	65	222	18	1.1	0		
21				210	35	63	180	15	1.0	0		
22				190	33	61	177	12	1.0	0		
23				163	33	75	174	9.5	.9	0		
24				140	32	155	145	8.5	.8	0		
25				126	30	110	126	8	.8	0		
26				107	29	92	121	8	.7	0		
27				97	30	83	116	8	.6	0		
28				92	30	75	99	7.5	.6	0		
29				86	-	65	106	7.5	.5	0		
30				80	-	57	116	7.5	.5	0		
31				75	-	48	-	7	-	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	13,143.5	2,010	0	36.0	26,010
January	5,557.2	537	0	179	11,020
February	1,328	72	29	47.4	2,630
March	3,133	390	32	101	6,210
April	9,854	2,280	40	328	19,550
May	1,352.5	116	7	43.6	2,680
June	79.0	7	.5	2.63	157
July	2.2	.4	0	.07	4.4
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	21,305.9	2,280	0	58.4	42,250

Note.- No flow during months left blank.

Arroyo Seco near Soledad, Calif.

Location.- Water-stage recorder, lat. 36°16'5", long. 121°19'55", in NW¼ sec. 21, T. 19 S., R. 6 E., half a mile downstream from Vaquero Creek and 11 miles south of Soledad. Altitude, about 370 feet.

Drainage area.- 238 square miles.

Records available.- November 1901 to September 1935. Records published prior to Nov. 6, 1901, based on insufficient data and therefore rejected.

Average discharge.- 34 years, 166 second-feet.

Extremes.- Maximum discharge during year, 8,340 second-feet Apr. 8 (gage height, 12.12 feet); no flow Oct. 1-21.
1901-35: Maximum discharge, about 22,000 second-feet Feb. 21, 1917, and Nov. *25, 1926 (gage height, 16.5 feet); no flow during periods in a number of years.

Remarks.- Records good except those for Sept. 16-30, which are fair and were interpolated. No large diversions 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	5	16	67	131	84	144	203	64	19	9	7.5
2	0	7.5	16	56	125	99	138	186	59	19	9	7.5
3	0	5	15	50	121	94	354	175	57	19	8.5	7
4	0	3.8	15	369	117	84	423	163	53	19	8	6.5
5	0	3.3	14	713	109	95	353	155	52	18	7.5	5.5
6	0	3.3	14	268	105	86	296	148	50	17	7	5
7	0	3.3	14	161	99	1,110	867	140	48	16	7	4.5
8	0	3.8	14	436	97	550	4,680	136	47	15	6.5	4.0
9	0	4.4	14	1,360	95	395	1,840	131	46	16	6.5	4.0
10	0	4.4	14	835	92	306	1,060	127	44	16	6	4.0
11	0	4.4	14	555	88	255	790	124	43	14	5	3.5
12	0	4.4	15	379	84	225	628	120	42	13	4.5	3.5
13	0	4.4	15	300	82	210	545	117	40	12	4.0	3.5
14	0	4.4	37	501	79	194	482	114	39	10	4.0	3.5
15	0	5	52	590	79	180	762	110	38	10	3.5	3.0
16	0	10	38	542	75	169	672	108	36	10	3.0	2.9
17	0	12	34	550	73	161	549	104	35	10	3.0	2.8
18	0	18	30	514	70	150	478	99	34	10	2.7	2.7
19	0	544	28	538	66	146	429	94	32	10	2.7	2.6
20	0	65	26	423	64	138	390	90	30	10	2.7	2.5
21	0	49	24	350	63	159	354	87	28	10	2.7	2.4
22	.1	37	23	293	61	148	324	86	26	10	2.7	2.3
23	1.7	30	22	252	61	308	300	83	26	9	2.7	2.2
24	2.0	28	21	225	60	281	280	80	24	10	2.5	2.1
25	2.0	24	21	208	58	225	260	79	21	10	2.2	2.0
26	2.0	21	20	196	56	208	242	76	21	9	2.7	1.9
27	2.4	21	24	183	56	192	226	73	20	9	4.0	1.8
28	2.4	20	50	169	55	180	216	71	20	9	5	1.7
29	2.4	19	48	161	-	169	218	70	20	9	7.5	1.6
30	2.4	18	76	150	-	159	213	68	19	9	7.6	1.6
31	2.4	-	90	140	-	150	-	68	-	9	7.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	19.8	2.4	0	0.64	39
November	1,002.4	544	3.3	33.4	1,990
December	854	90	14	27.5	1,690
Calendar year 1934	31,751.1	4,220	0	87.0	62,970
January	11,554	1,360	50	373	22,920
February	2,321	131	55	82.9	4,600
March	6,910	1,110	84	223	13,710
April	18,553	4,680	136	618	36,800
May	3,495	203	68	112	6,910
June	1,114	64	19	37.1	2,210
July	363	19	9	12.4	760
August	157.1	9	2.2	5.07	312
September	105.6	7.5	1.6	3.52	209
Water year 1934-35	46,458.9	4,680	0	127	92,150

*Erroneous date given in previous water-supply papers.

Uvas Creek near Morgan Hill, Calif.

Location.- Water-stage recorder, lat. 37°04', long. 121°41'30", in Las Uvas grant, 500 feet above Uvas Dam, 0.6 mile below Eastman Canyon and 4¾ miles southwest of Morgan Hill, Santa Clara County. Altitude, about 390 feet.

Drainage area.- 30.2 square miles.

Records available.- December 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,340 second-feet Mar. 6 (gage height, 6.40 feet); no flow at times during October.
1930-35: Maximum discharge, 4,340 second-feet Dec. 27, 1931 (gage height, 10.82 feet); no flow at times.

Remarks.- Records good except those estimated Oct. 1 to Nov. 6, Dec. 10-12, July 27 to Aug. 20. No regulation or large diversions above station. Water diverted at Uvas Dam, below gage, for Gilroy water supply.

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		0.5	1.0	12	15	21	32	33	9.5	2.6	0.9	0.7
2		.4	1.1	8	14	13	30	30	8.5	2.8	.9	.6
3		.4	1.1	7	13	10	138	28	8	2.6	.9	.6
4		.3	1.1	115	13	10	124	26	7.5	2.6	.9	.6
5		.3	1.0	79	13	10	80	24	7	2.6	.9	.6
6		.2	1.0	30	12	93	67	23	6.5	2.5	.8	.6
7		.2	1.1	22	12	233	209	23	6.5	2.3	.8	.6
8		.2	1.1	158	11	97	457	22	6.5	2.3	.8	.6
9		.2	1.1	190	10	65	215	21	6.5	2.1	.8	.6
10		.2	1.1	166	10	51	155	20	6	1.9	.8	.5
11		.3	1.1	79	9.5	43	119	20	5.5	1.7	.7	.5
12		.3	1.1	49	9.5	37	97	19	5.5	1.6	.7	.5
13		.3	2.3	37	9.5	32	82	19	5	1.2	.7	.6
14		.4	6	65	9.5	28	77	18	5	1.2	.7	.6
15		1.6	3.7	77	8.5	25	145	17	4.8	1.2	.7	.6
16		1.0	3.0	160	8	23	114	16	4.8	1.1	.6	.6
17		.9	2.8	90	7.5	21	88	16	4.8	1.0	.6	.6
18		46	2.6	86	7.5	21	79	15	4.4	.9	.6	.6
19		18	2.6	80	7	20	70	14	4.2	.9	.6	.6
20		2.9	2.6	59	7	19	62	13	3.9	1.1	.6	.6
21		1.9	2.5	49	7	50	57	13	3.9	1.2	.5	.5
22		1.6	2.5	43	7	32	52	12	3.7	1.2	.5	.5
23		1.5	2.3	36	6.5	324	49	12	3.7	1.1	.5	.4
24		1.5	2.1	32	6.5	124	45	12	3.2	1.0	.5	.4
25		1.3	2.1	28	6	82	41	12	3.0	1.2	.5	.4
26		1.1	2.1	24	5.5	65	39	11	2.8	1.0	.5	.3
27		1.0	2.8	23	5.5	55	38	11	2.8	1.0	.9	.3
28		1.0	4.4	20	6	47	36	11	3.0	1.0	.8	.3
29		1.0	4.2	19	-	43	37	10	2.8	1.0	.8	.3
30		1.0	109	17	-	39	37	10	2.8	1.0	.8	.3
31	0.2	-	21	16	-	34	-	10	-	1.0	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1.6	-	0	0.05	3.2
November	86.5	45	.2	2.88	172
December	193.5	109	1.0	6.24	384
Calendar year 1934	4,020.1	421	0	11.0	7,970
January	1,876	190	7	60.5	3,720
February	256.5	15	5.5	9.16	509
March	1,766	324	10	57.0	3,500
April	2,871	457	30	95.7	5,690
May	541	33	10	17.5	1,070
June	152.1	9.5	2.8	5.07	302
July	47.9	2.8	.9	1.55	95
August	22.0	.9	.5	.71	44
September	15.5	.7	.3	.52	31
Water year 1934-35	7,829.6	457	0	21.5	15,520

Note.- Discharge Oct. 1-30 less than 0.1 second-foot.

San Francisquito Creek at Stanford University, Calif.

Location.- Water-stage recorder, lat. 37°25'20", long. 122°11'25", in Rinconada del Arroyo de San Francisquito grant, Santa Clara County, at Stanford University golf course, three-quarters of a mile below junction with Los Trancos Creek. Altitude, about 120 feet.

Drainage area.- 37.7 square miles.

Records available.- January 1931 to September 1935.

Extremes.- Maximum discharge during year, 1,560 second-feet Apr. 8 (gage height, 6.35 feet); no flow for several months.
1931-35: Maximum discharge, that of Apr. 8, 1935; no flow for long periods.

Remarks.-Records good except those for Feb. 6-11, May 29 to July 5, which are fair and were estimated on basis of records for stations at Palo Alto and Menlo Park. Storage at Searsville Lake. See records for Los Trancos Canal and Lagunita Canal, which divert above station.

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

0.0	0	.8	13	1.6	70	2.4	188	3.2	366	4.0	612	5.6	1,218
.2	.3	1.0	23	1.8	93	2.6	226	3.4	424	4.4	748	6.0	1,386
.4	1.8	1.2	36	2.0	119	2.8	270	3.6	484	4.8	896	6.4	1,560
.6	5.6	1.4	51	2.2	152	3.0	316	3.8	548	5.2	1,054		

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	0.3	0.3	94	0.3	3.9	0.2	0.1		
2			0	.2	.2	35	1.0	.4	.2	.1		
3			0	.1	.2	1.2	44	.3	.2	.1		
4			0	55	.5	2.6	54	.4	.2	.1		
5			0	41	.2	.6	21	.3	.2	.1		
6			0	.3	.2	12	13	.3	.2	0		
7			0	3.2	.2	97	443	.3	.2	0		
8			0	50	3.0	63	605	.3	.2	0		
9			0	40	.3	27	111	.3	.2	0		
10			0	133	.2	18	47	.3	.2	0		
11			0	28	.2	9	25	.3	.1	0		
12			0	.4	.2	5	31	.3	.1	0		
13			0	.3	.2	8	35	.3	.1	0		
14			0	84	.2	4.1	36	.3	.1	0		
15			0	6	.2	4.7	125	.3	.1	0		
16			0	92	.2	.8	74	.3	.1	0		
17			0	62	.2	.4	42	.2	.1	0		
18			0	111	.2	.4	34	.2	.1	0		
19			0	90	.2	.3	22	.2	.1	0		
20			0	31	.2	1.2	20	.2	.1	0		
21			0	11	.2	28	18	.2	.1	0		
22			0	22	.2	16	16	.2	.1	0		
23			0	16	.2	263	12	.2	.1	0		
24			0	13	.2	62	10	.2	.1	0		
25			0	9.6	.2	20	5.5	.2	.1	0		
26			0	7.5	.2	19	1.1	.2	.1	0		
27			0	5	.2	8.5	.3	.2	.1	0		
28			0	1.7	.3	6.5	1.4	.2	.1	0		
29			0	1.4	-	8	2.2	.2	.1	0		
30			.1	1.4	-	7.5	4.8	.2	.1	0		
31			.3	.8	-	.4	-	.2	-	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	0.4	.3	0	.01	.8
Calendar year 1934	214.8	145	0	.588	426
January	917.1	133	.1	29.6	1,820
February	9.0	3.0	.2	.32	18
March	823.2	263	.3	26.6	1,630
April	1,854.6	605	.3	61.8	3,680
May	11.6	3.9	.2	.37	23
June	4.0	.2	.1	.13	7.9
July	0.5	.1	0	.02	1.0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	3,820.4	605	0	9.92	7,180

Note.- No flow during months left blank.

San Francisquito Creek at Menlo Park, Calif.

Location.- Water-stage recorder, lat. 37°26'35", long. 122°10'30", in Rinconada del Arroyo de San Francisquito grant, Santa Clara County, on Stanford University campus 0.2 mile upstream from El Camino Real on U. S. Highway 101. Altitude, about 40 feet.

Drainage area.- 38.5 square miles.

Records available.- October 1934 to September 1935.

Extremes.- Maximum discharge during year, 1,540 second-feet Apr. 8 (gage height, 9.71 feet); no flow several months.

Remarks.- Records good. Storage at Searsville Lake. See records for Los Trancos Canal and Lagunita Canal, which divert above station. From June 28 to about Sept. 5 there was a small unrecorded flow from a nearby well under test.

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

0.27	0	1.0	1.1	2.0	8.8	3.0	34	5.0	190	8.0	874
.4	.05	1.2	1.9	2.2	11.8	3.4	52	5.5	256	9.0	1,242
.5	.1	1.4	3.0	2.4	15.5	3.8	76	6.0	344	9.8	1,580
.6	.2	1.6	4.5	2.6	21	4.2	108	6.5	452		
.8	.6	1.8	6.4	2.8	27	4.6	146	7.0	576		

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	0.3	0	87	0	4.2				
2			0	0	0	36	0	0				
3			0	0	0	.2	35	0				
4			0	36	0	2.2	52	0				
5			0	44	0	.4	21	0				
6			0	.2	0	7.5	11	0				
7			0	0	0	99	397	0				
8			0	50	2.0	63	635	0				
9			0	38	0	25	114	0				
10			0	118	0	16	46	0				
11			0	35	0	9	24	0				
12			0	.8	0	3.0	28	0				
13			0	0	0	8.6	31	0				
14			0	80	0	2.7	33	0				
15			0	12	0	4.8	122	0				
16			0	88	0	.5	74	0				
17			0	61	0	0	39	0				
18			0	111	0	0	31	0				
19			0	96	0	0	21	0				
20			0	32	0	0	18	0				
21			0	11	0	23	16	0				
22			0	19	0	15	14	0				
23			0	16	0	256	11	0				
24			0	12	0	67	9	0				
25			0	19	0	19	5.6	0				
26			0	7	0	17	.2	0				
27			0	5.5	0	8.6	0	0				
28			0	1.2	0	6	0	0				
29			0	.8	-	7	1.1	0				
30			0	.7	-	7	3.6	0				
31			.5	.4	-	.4	-	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	.5	.5	0	.02	1.0
Calendar year					
January	884.9	118	0	28.5	1,760
February	2.0	2.0	0	.07	4.0
March	790.7	256	0	25.5	1,570
April	1,792.4	635	0	59.7	3,560
May	4.2	4.2	0	.14	8.3
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	3,474.7	635	0	9.52	6,900

Note.- No flow during months left blank.

San Francisquito Creek at Palo Alto, Calif.

Location.- Water-stage recorder, lat. 37°27'10", long. 122°8'20", in Rancho de las Pulgas grant, San Mateo County, 175 feet above Newell Avenue Bridge, Palo Alto, and about 2 miles above mouth. Altitude, about 5 feet.

Drainage area.- 38.6 square miles.

Records available.- January 1931 to September 1935.

Extremes.- Maximum discharge during year, 1,540 second-feet Apr. 8 (gage height, 11.80 feet); no flow for several months.
1931-35: Maximum discharge, that of Apr. 8, 1935; no flow for long periods.

Remarks.- Records good except those for Mar. 11-23, which are fair and were estimated on basis of records for stations at Menlo Park and Stanford University. Storage at Searsville Lake. See records for Los Trancos Canal and Lagunita Canal, which divert above station.

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

0.0	0	1.0	7.0	2.4	56	5.0	288	10.0	1,124
.1	.1	1.2	10.5	2.8	79	5.5	348	11.0	1,348
.2	.4	1.4	14.5	3.2	108	6.0	413	11.8	1,540
.4	1.3	1.6	20.5	3.6	141	7.0	560		
.6	2.6	1.8	28	4.0	179	8.0	726		
.8	4.5	2.0	36	4.5	231	9.0	916		

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		72	0	3.3				
2				0		40	0	.1				
3				0		.2	30	0				
4				19		0	51	0				
5				60		.1	21	0				
6				.4		1.0	9	0				
7				.6		93	348	0				
8				49		62	663	0				
9				33		25	112	0				
10				114		14	47	0				
11				38		9	23	0				
12				1.0		1.0	27	0				
13				0		8	29	0				
14				74		1.0	33	0				
15				8.5		4.5	108	0				
16				80		.5	77	0				
17				60		0	38	0				
18				99		0	30	0				
19				94		0	18	0				
20				33		0	14	0				
21				9.5		18	14	0				
22				16		14	13	0				
23				16		251	9	0				
24				14		67	6	0				
25				7		18	3.7	0				
26				5.5		15	0	0				
27				4.1		8	0	0				
28				.3		4.9	0	0				
29				0		4.7	0	0				
30				0		6.5	.1	0				
31				0		.2	-	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	148.7	128	0	.407	295
January	835.9	114	0	27.0	1,660
February	0	0	0	0	0
March	738.6	251	0	23.8	1,460
April	1,723.8	663	0	57.5	3,420
May	3.4	3.3	0	0.11	6.7
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	3,301.7	663	0	9.05	6,550

Note.- No flow during months left blank.

Los Trancos Creek at Stanford University, Calif.

Location.- Water-stage recorder, lat. 37°24'35", long. 122°11'35", in El Corte de Madera grant, about 800 feet above mouth and 1.6 miles southwest of Stanford University post office, Santa Clara County. Altitude, about 160 feet.

Drainage area.- 7.5 square miles.

Records available.- January 1931 to September 1935.

Extremes.- Maximum discharge during year, 137 second-feet Apr. 7 (gage height, 2.12 feet); no flow for long periods.
1931-35: Maximum discharge, 277 second-feet Feb. 8, 1932 (gage height, 2.93 feet); no flow for long periods.

Remarks.- Records good except those estimated, July 16-31. Mean discharge for August estimated, 0.1 second-foot. See record for Los Trancos Canal, which diverts above station. A small part of this diversion was returned to creek above station by way of Felt Lake spillway.

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

0.04	0	.8	10.0	1.6	63	2.4	183
.2	.4	1.0	18.0	1.8	88	2.6	218
.4	2.0	1.2	28.5	2.0	118	2.8	254
.6	4.8	1.4	43	2.2	150	3.0	390

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	0.1	0.1	0.4	0.2	2.6	0.2	0.1		
2		0	0	.1	.1	.3	.2	2.4	.2	.1		
3		0	0	.1	.1	.2	.7	2.0	.2	.1		
4		0	0	3.8	.1	.2	.4	1.9	.2	.1		
5		0	0	.3	.1	.2	.3	1.8	.1	.1		
6		0	0	.1	.1	1.1	.3	1.6	.1	.1		
7		0	0	.9	.1	2.2	9.5	1.6	.1	.1		
8		0	0	.8	.1	1.3	22	1.6	.1	.1		
9		0	0	.5	.1	.5	1.5	1.5	.1	.1		
10		0	0	16	.1	.3	.9	1.6	.1	.1		
11		0	0	1.6	.1	.3	.8	1.5	.1	.1		
12		0	0	.3	.1	.3	1.6	1.3	.1	.1		
13		0	0.1	.2	.1	.3	4.0	1.2	.1	.1		
14		0	.1	6.5	.1	.3	4.6	.8	.1	.1		
15		0	.1	.6	.1	.2	23	.5	.1	.1		
16		0	.1	3.7	.1	.2	13	.4	.1	.1		
17		0	.1	2.2	.1	.2	8	.3	.1	.1		
18		.1	.1	6.5	.1	.2	6.5	.2	.1	.1		
19		.1	.1	2.1	.1	.2	5.5	.2	.1	.1		
20		0	.1	.6	.1	.2	4.6	.2	.1	.1		
21		0	.1	.5	.1	.3	4.0	.2	.1	.1		
22		0	.1	.4	.1	.3	3.8	.2	.1	.1		
23		0	.1	.3	.1	7.5	3.5	.2	.1	.1		
24		0	.1	.2	.1	.5	3.2	.2	.1	.1		
25		0	.1	.2	.1	.3	3.1	.2	.1	.1		
26		0	.1	.2	.1	.3	2.4	.2	.1	.1		
27		0	.1	.2	.1	.3	.4	.2	.1	.1		
28		0	.1	.2	.1	.3	.8	.2	.1	.1		
29		0	.1	.1	-	.3	2.2	.2	.1	.1		
30		0	.1	.1	-	.2	3.0	.2	.1	.1		
31		-	.1	.1	-	.2	-	.2	-	.1		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	.2	.1	0	.01	.4
December	1.9	.1	0	.06	3.8
Calendar year 1934	20.6	13	0	.056	41
January	49.7	16	.1	1.60	99
February	2.8	.1	.1	.10	5.6
March	19.6	7.5	.2	.63	39
April	134.0	23	.2	4.47	266
May	27.4	2.6	.2	.88	54
June	3.4	.2	.1	.11	6.7
July	3.1	.1	.1	.10	6.1
August	3.1	-	0	.10	6.1
September	0	0	0	0	0
Water year 1934-35	245.2	23	0	.672	487

Note.- No flow during October, September.

Los Trancos Canal near Stanford University, Calif.

Location.- Water-stage recorder, lat. 37°23'20", long. 122°11'10", in El Corte de Madera grant, 0.5 mile below intake and 3 miles southwest of Stanford University post office, Santa Clara County. Altitude, about 360 feet.

Records available.- October 1931 to September 1935.

Extremes.- Maximum mean daily discharge during year, 23 second-feet Apr. 8; no flow at times.
1931-35: Maximum mean daily discharge, 33 second-feet Dec. 24, 27, 1931; no flow for long periods.

Remarks.- Records excellent except those for Mar. 12-17, Apr. 9-15, May 25-26, Sept. 1-8, which are fair and were estimated on basis of records showing storage increase at Felt Lake. Canal diverts water from Los Trancos Creek 2 miles above mouth and conveys it to Felt Lake, an irrigation reservoir on Stanford University campus.

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	0.1	1.3	13	1.9	2.8	0.8	0.4	0.1	0.1
2		0	0	.1	1.2	5.5	1.8	2.6	.6	.3	.2	.1
3		0	0	.1	1.1	3.1	10	2.5	.6	.4	.1	.1
4		0	0	13	1.2	3.1	7	2.4	.3	.4	.1	.1
5		0	0	7	1.1	2.5	4.2	2.3	.3	.3	.2	.1
6		0	0	1.8	1.1	8.5	3.7	2.1	.5	.3	.2	.2
7		0	0	4.8	1.0	13	19	1.9	.3	.3	.1	.2
8		0	0	11	.9	8.5	23	1.8	.3	.4	.1	.2
9		0	0	14	.9	5.5		1.9	.3	.4	.1	.2
10		0	0	17	1.3	4.5		1.9	.4	.3	.1	.1
11		0	0	9.5	1.1	3.3	5	1.6	.4	.3	.2	.1
12		0	0	4.6	1.0	3.0		1.7	.4	.3	.2	.1
13		0	.1	3.2	1.0	2.7		1.1	.4	.3	.1	.1
14		0	.1	13	1.1	2.5		1.0	.4	.4	.1	.1
15		0	.1	6	.9	2.3		1.0	.4	.4	.1	.1
16		0	0	11	.9	2.1	0	1.6	.6	.3	.1	.1
17		0	0	8.5	.8	1.9	0	1.8	.6	.2	.1	.1
18		2.4	0	15	.8	1.7	0	1.6	.4	.2	.1	.1
19		.4	0	9.5	.7	1.5	0	1.3	.3	.3	.1	.1
20		.1	0	6	.7	1.5	0	1.4	.2	.2	.1	.1
21		0	0	4.3	.7	3.3	0	1.1	.3	.2	.1	.1
22		0	0	3.5	.7	2.2	0	.4	.3	.2	.1	.2
23		.1	0	2.9	.7	15	0	.8	.4	.2	.1	.2
24		0	0	2.5	.5	6.5	0	1.0	.5	.2	.1	.1
25		0	0	2.1	.5	4.5	0	1.0	.4	.2	.1	.1
26		0	0	1.9	.6	3.8	1.1	1.0	.4	.2	.2	.2
27		0	.1	1.8	.6	3.3	3.2	.9	.5	.2	.1	.1
28		0	.1	1.6	2.9	2.9	3.0	.8	.4	.2	.1	.1
29		0	.2	1.5	-	2.4	3.4	.7	.3	.2	.1	.2
30		.1	1.1	1.5	-	2.3	3.2	.8	.4	.1	.1	.2
31		-	.3	1.3	-	2.1	-	.9	-	.2	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	3.1	2.4	0	.10	6.1
December	2.1	1.1	0	.07	4.2
Calendar year 1934	168.4	25	0	.461	335
January	180.1	17	.1	5.81	357
February	27.3	2.9	.5	.98	54
March	138.0	15	1.5	4.45	274
April	119.5	23	0	3.98	237
May	45.7	2.8	.4	1.47	91
June	12.4	.8	.2	.41	25
July	8.5	.4	.1	.27	17
August	3.7	.2	.1	.12	7.3
September	3.9	.2	.1	.13	7.7
Water year 1934-35	544.3	23	0	1.49	1,080

Note.- No flow during October.

Lagunita Canal at Stanford University, Calif.

Location.- Water-stage recorder, lat. 37°25'5", long. 122°11'15", in Rinconada del Arroyo de San Francisquito grant, 500 feet below intake, at Stanford University, Santa Clara County. Altitude, about 150 feet.

Records available.- January 1931 to September 1935.

Extremes.- Maximum mean daily discharge during year, 21 second-feet Jan. 8; no flow several months.
1931-35: Maximum mean daily discharge, 21 second-feet Dec. 27, 31, 1931, Jan. 2, 1932, Jan. 8, 1935; no flow for long periods.

Remarks.- Records excellent. Canal diverts water from San Francisquito Creek below junction with Los Trancos Creek to supply the Lagunita, an irrigation reservoir on Stanford University Campus.

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	0.7	9	18	8	3.3	0.8	0.2		
2			0	.4	5.5	17	13	7	.7	.2		
3			0	.3	.8	13	4.6	11	.5	.2		
4			0	7	1.2	18	.1	10	.5	.1		
5			0	19	1.3	13	10	4.3	.4	.2		
6			0	6.5	1.2	10	7.5	2.8	.4	.2		
7			0	3.8	2.8	4.1	1.0	2.7	.5	.1		
8			0	21	5.5	2.4	.1	3.3	.4	.1		
9			0	19	1.3	8	8.5	3.4	.4	.4		
10			0	16	1.1	9	8.5	3.5	.4	.4		
11			0	15	1.0	8	4.0	3.9	.6	.2		
12			0	12	1.0	6.5	7.5	2.7	.5	.1		
13			.2	5.5	1.0	7.5	8	2.3	.4	0		
14			1.3	18	3.8	8.5	8	1.9	.5	0		
15			.5	17	3.5	8.5	3.1	1.7	.6	0		
16			.1	17	3.0	8	.1	1.4	.6	0		
17			0	18	2.5	6.5	5	1.2	.6	0		
18			0	16	1.1	1.8	8	1.7	.5	0		
19			0	13	.9	3.2	7.5	1.2	.4	0		
20			0	8.5	2.0	7.5	7.5	1.0	.4	0		
21			0	.4	2.4	3.7	7.5	1.0	.4	0		
22			0	.4	2.3	6	7.5	.8	.4	0		
23			0	.3	2.3	1.0	7.5	.9	.4	0		
24			0	.2	2.2	0	7.5	.8	.5	0		
25			0	.2	1.9	0	7.5	.8	.5	0		
26			0	.2	.9	5.5	7.5	.7	.4	0		
27			0	.2	2.8	8	3.3	1.0	.4	0		
28			.4	.2	9.5	8	9.5	.8	.4	0		
29			.5	.2	-	4.0	16	.7	.4	0		
30			4.6	.2	-	4.7	6.5	.8	.4	0		
31			2.0	5	-	6.5	-	.8	-	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	9.6	4.6	0	.31	19
Calendar year 1934	200.1	19	0	.548	397
January	241.2	21	.2	7.78	478
February	73.8	9.5	.8	2.64	146
March	225.9	18	0	7.29	448
April	200.3	16	.1	6.68	397
May	79.4	11	.7	2.56	157
June	14.3	.8	.4	.48	28
July	2.4	.4	0	.08	4.8
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	846.9	21	0	2.32	1,680

Note.- No flow during months left blank.

Stevens Creek near Cupertino, Calif.

Location.- Water-stage recorder, lat. 37°18'20", long. 122°04'25", in SW¼ sec. 22, T. 7 S., R. 2 W., at county highway bridge about 4 miles west of Cupertino. Altitude, about 385 feet.

Drainage area.- 18.1 square miles.

Records available.- January 1930 to September 1935.

Extremes.- Maximum discharge during year, 409 second-feet Apr. 8 (gage height, 3.60 feet); no flow Oct. 1 to Nov. 14 and Nov. 16-17.
1930-35: Maximum discharge, 709 second-feet Dec. 27, 1931 (gage height, 4.57 feet); no flow at times.

Remarks.- Records good except those estimated, Nov. 15 to Dec. 5 and July 11-13. Small diversions at times 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	0.8	4.4	7.5	41	12	15	4.9	1.5	0.6	0.1
2		0	.7	3.8	7.5	17	12	14	4.3	1.6	.5	.1
3		0	.7	3.4	7	11	39	13	3.7	1.5	.5	.1
4		0	.7	115	7	12	40	13	3.5	1.3	.4	.1
5		0	.7	45	7	12	25	12	3.5	1.3	.3	.1
6		0	.6	18	7	33	19	12	3.2	1.2	.2	.1
7		0	.7	16	7	65	86	11	3.2	1.2	.2	.1
8		0	.7	42	6.5	41	164	11	3.2	1.3	.2	.1
9		0	.7	129	6.5	32	65	11	3.2	1.0	.2	.1
10		0	.7	105	6	25	48	10	3.2	1.2	.2	.1
11		0	.7	42	6	17	39	10	3.2	1.0	.2	.1
12		0	.7	28	6	13	33	9	3.2	.9	.4	.1
13		0	1.4	18	6	12	30	9.5	3.2	.8	.5	.1
14		0	1.9	47	6.5	10	28	7.5	3.2	.7	.5	.1
15		.2	1.5	31	6	9	74	10	3.2	.7	.3	.1
16		0	1.3	34	6	8.5	52	9.5	3.0	.7	.2	.1
17		0	1.3	32	6	8.5	44	9	3.0	.6	.1	.1
18		25	1.3	41	5.5	7.5	39	8.5	2.7	.6	.1	.1
19		10	1.3	40	5.5	6.5	33	7.5	2.7	.6	.1	.1
20		2.5	1.3	29	5.5	5.5	30	7	2.7	.6	.1	.1
21		1.0	1.3	24	5.6	7.5	27	7	2.5	.7	.1	.1
22		1.0	1.3	14	5.5	7.5	24	6.6	2.5	.7	.1	.1
23		2.0	1.3	16	5.5	64	23	6	2.3	.7	.1	.1
24		1.5	1.3	14	5	29	21	6	2.3	.6	.1	.1
25		1.2	1.3	13	5	24	19	6	2.2	.6	.1	.1
26		1.0	1.4	12	4.9	19	18	5.5	2.0	.6	.1	.1
27		.8	4.4	11	4.9	16	17	5.5	2.0	.6	.1	.1
28		.8	5.5	10	9	15	16	5	2.0	.6	.1	.1
29		.8	4.9	9	-	14	16	5	1.8	.5	.1	.1
30		.8	16	8.5	-	14	16	5	1.5	.6	.1	.1
31		-	6.5	7.5	-	13	-	5	-	.6	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	48.6	25	0	1.62	96
December	64.9	16	.6	2.09	129
Calendar year 1934	1,487.1	218	0	4.07	2,950
January	962.6	129	3.4	31.1	1,910
February	173.3	9	4.9	6.19	344
March	611.5	65	5.5	19.7	1,210
April	1,109	164	12	37.0	2,200
May	272.0	15	5	8.77	540
June	87.1	4.9	1.5	2.90	173
July	27.1	1.6	.5	.87	54
August	6.9	.6	.1	.22	14
September	3.0	.1	.1	.10	6.0
Water year 1934-35	3,366.0	164	0	9.22	6,680

Note.- No flow during October.

Guadalupe Creek at Guadalupe, Calif.

Location.- Water-stage recorder, lat. 37°13'5", long. 121°54'35", in SW¼ sec. 19, T. 8 S., R. 1 E., half a mile northwest of Guadalupe and 3½ miles upstream from junction with Alamitos Creek. Altitude, about 325 feet.

Drainage area.- 12.6 square miles.

Records available.- January 1930 to September 1935.

Extremes.- Maximum discharge during year, 370 second-feet Mar. 6 (gage height, 2.43 feet); no flow Oct. 1-29.
1930-35: Maximum discharge, 1,160 second-feet Dec. 28, 1931 (gage height, 4.05 feet); no flow for long periods.

Remarks.- Records good except those estimated, Oct. 30 to Nov. 9, which are fair. Small diversions 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	0.2	0.8	4.1	7.5	12	12	13	4.9	1.2	0.4	0.4
2	0	.2	.8	3.0	7.5	9.5	12	12	4.0	1.2	.4	.4
3	0	.2	.7	2.4	7	7.5	51	12	3.7	1.2	.4	.4
4	0	.5	.7	84	7	7.5	83	11	3.1	1.7	.4	.4
5	0	.4	.6	46	7	7	51	10	2.9	1.3	.4	.4
6	0	.3	.6	15	6.5	54	40	9.5	3.1	1.2	.5	.4
7	0	.3	.6	21	6	99	63	9.5	3.1	.8	.5	.5
8	0	.3	.6	57	5.5	52	157	8.5	3.1	1.2	.5	.4
9	0	.3	.6	194	5.5	36	88	8.5	2.9	1.2	.5	.4
10	0	.3	.6	120	5.5	26	61	8.5	2.7	1.1	.5	.4
11	0	.3	.8	52	5	21	45	8.5	2.7	1.1	.4	.4
12	0	.4	.8	31	5	18	37	8	2.7	1.0	.4	.4
13	0	.4	1.2	24	5	16	32	8	2.7	.8	.4	.4
14	0	.4	2.6	39	5.5	14	29	7.5	2.5	.8	.4	.4
15	0	2.4	1.9	34	4.7	13	70	7.5	2.5	.7	.4	.4
16	0	1.2	1.4	48	5	12	54	7.5	2.5	.7	.4	.3
17	0	1.3	1.3	39	4.7	11	44	7	2.3	.6	.4	.3
18	0	7	1.2	39	4.4	10	38	6.5	2.1	.5	.2	.3
19	0	7	1.1	33	4.4	9.5	32	6	1.8	.7	.1	.3
20	0	2.0	1.0	26	4.1	9	29	6	1.7	.7	.2	.3
21	0	1.4	1.0	23	4.1	11	26	5.5	1.7	.8	.2	.3
22	0	1.2	1.0	20	4.1	10	23	6	1.6	.8	.2	.3
23	0	1.1	1.0	17	4.1	80	22	6	1.4	.8	.3	.4
24	0	1.0	1.0	15	3.8	38	19	6	1.6	.8	.3	.3
25	0	1.0	1.0	13	3.2	29	18	6	1.6	.7	.2	.3
26	0	.9	1.0	12	3.2	25	17	5.6	1.3	.7	.5	.3
27	0	.8	2.0	11	3.0	21	15	6	1.4	.6	.5	.3
28	0	.8	3.8	10	3.8	18	14	6	1.6	.6	.5	.3
29	0	.8	3.0	9.5	-	15	15	5.5	1.6	.6	.4	.3
30	.1	.8	18	8.5	-	14	14	6	1.4	.5	.4	.3
31	.2	-	6.5	8	-	13	-	5.6	-	.4	.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.3	0.2	0	0.01	0.6
November	35.2	7	.2	1.17	70
December	58.8	18	.6	1.90	117
Calendar year 1934	2,136.7	303	0	5.85	4,230
January	1,058.5	194	2.4	34.1	2,100
February	142.1	7.5	3.0	5.08	282
March	718.0	99	7	23.2	1,420
April	1,211	157	12	40.4	2,400
May	239.0	13	5.5	7.71	474
June	72.2	4.9	1.3	2.41	143
July	27.0	1.7	.4	.87	54
August	11.9	.6	.1	.38	24
September	10.7	.5	.3	.36	21
Water year 1934-35	3,584.7	194	0	9.82	7,110

Guadalupe Creek at San Jose, Calif.

Location.- Water-stage recorder, lat. 37°20', long. 121°54', 100 feet downstream from junction with Los Gatos Creek in city of San Jose, Santa Clara County. Altitude, about 80 feet.

Drainage area.- 131 square miles.

Records available.- January 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,650 second-feet Jan. 9 (gage height, 4.35 feet); no flow most of year.
1930-35: Maximum discharge, 6,700 second-feet Dec. 27, 1931 (gage height, 11.12 feet); no flow most of time.

Remarks.- Records excellent. Small diversions above station.

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

0.5	0	1.0	5.8	1.8	46	2.6	295	3.4	870	4.2	1,520
.6	.6	1.2	10.5	2.0	60	2.8	415	3.6	1,030	4.5	1,775
.7	1.4	1.4	17.0	2.2	135	3.0	560	3.8	1,190		
.8	2.5	1.6	27	2.4	205	3.2	710	4.0	1,350		

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	0					
2				0		0	0					
3				0		0	69					
4				70		0	197					
5				62		0	100					
6				0		0	42					
7				0		248	163					
8				92		50	750					
9				626		8	356					
10				566		0	194					
11				83		0	117					
12				2.0		0	57					
13				0		0	46					
14				18		0	34					
15				2.3		0	297					
16				24		c	245					
17				15		0	146					
18				7		0	95					
19				29		0	60					
20				1.2		0	35					
21				0		0	20					
22				0		c	14					
23				0		122	8					
24				0		40	5.5					
25				0		18	1.0					
26				0		4.6	0					
27				0		.2	0					
28				0		0	0					
29				0		0	0					
30				0		0	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	3,214.6	1,360	0	8.81	6,380
January	1,597.5	626	0	51.5	3,170
February	0	0	0	0	0
March	490.8	248	0	15.8	973
April	3,051.5	750	0	102	6,050
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	5,139.8	750	0	14.1	10,190

Note.- No flow during months left blank.

Alamitos Creek near Edenvale, Calif.

Location.- Water-stage recorder, lat. 37°14'20", long. 121°52'15", in SW¼ sec. 16, T. 8 S., R. 1 E., 0.4 mile above Guadalupe Creek and 4 miles southwest of Edenvale. Altitude, about 200 feet.

Drainage area.- 35.0 square miles.

Records available.- January 1930 to September 1935.

Extremes.- Maximum discharge during year, 582 second-feet Mar. 7 (gage height, 4.77 feet); no flow for several months.
1930-35: Maximum discharge, 2,670 second-feet Dec. 27, 1931 (gage height, 6.60 feet); no flow for long periods.

Remarks.- Records good. Small diversions 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	13	9.5	22	25				
2				0	12	12	20	23				
3				0	11	8.5	57	21				
4				22	11	8	96	19				
5				39	10	7.5	67	19				
6				8	10	32	54	18				
7				.9	8.5	220	76	16				
8				65	8	92	297	16				
9				228	7.5	58	149	16				
10				184	7.5	42	103	15				
11				80	7.5	34	82	13				
12				46	7.5	30	67	13				
13				32	7.5	27	60	12				
14				40	7.5	24	54	11				
15				47	6.5	22	151	11				
16				68	5.5	20	122	10				
17				57	5	19	92	9.5				
18				62	5	18	75	9				
19				63	4.8	17	66	7.5				
20				44	3.9	16	58	6.6				
21				37	3.0	19	51	6				
22				33	3.0	18	46	6				
23				29	3.0	107	42	5				
24				26	2.7	63	39	4.7				
25				24	2.4	47	33	4.1				
26				21	2.4	40	31	5.5				
27				20	2.4	35	28	5				
28				18	2.4	31	27	2.3				
29				16	-	28	29	.4				
30				15	-	25	27	0				
31				14	-	23	-	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	3,091.3	783	0	8.47	6,130
January	1,338.9	228	0	43.2	2,660
February	180.5	13	2.4	6.45	358
March	1,152.5	220	7.5	37.2	2,290
April	2,121	297	20	70.7	4,210
May	329.5	25	0	10.6	654
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	5,122.4	297	0	14.0	10,170

Note.- No flow during months left blank.

Los Gatos Creek at Los Gatos, Calif.

Location.- Water-stage recorder, lat. 37°13'15", long. 121°59', in SW¼ sec. 21, T. 8 S., R. 1 W., about 700 feet upstream from highway bridge at Los Gatos, Santa Clara County. Altitude, about 360 feet.

Drainage area.- 40.0 square miles.

Records available.- January 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,040 second-feet Jan. 9 (gage height, 6.15 feet); minimum, 0.1 second-foot Aug. 11.
1930-35: Maximum discharge, 3,340 second-feet Dec. 27, 1931 (gage height, 9.75 feet); no flow for long periods.

Remarks.- Records good except those for low water, which are fair. Discharge estimated Oct. 3-10, 12-18, 23-26 from partial record. Several small storage reservoirs and diversions 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	1.2	6	0.3	13	29	124	32	60	14	1.8	0.5	0.6
2	1.3	3.6	.3	9	28	55	32	54	12	3.1	.6	.6
3		2.7	.3	11	27	35	188	50	14	3.3	.7	.4
4		2.6	.3	357	26	38	256	45	11	2.2	.5	.3
5		2.4	.3	152	20	28	167	43	10	2.2	.4	2.1
6	1.5	2.3	.3	57	18	133	135	42	10	2.1	.4	2.6
7		2.3	.3	100	17	278	325	39	9	1.8	.4	3.4
8		2.2	.3	263	16	146	510	38	9	2.7	.4	3.1
9		2.6	.3	631	16	104	290	36	18	3.9	.3	3.3
10		2.2	.2	428	18	85	215	35	24	3.8	.7	4.1
11	1.8	2.1	.2	181	14	70	171	33	10	1.5	.4	3.8
12		2.3	1.3	108	16	61	142	33	8.5	.6	.2	3.6
13		2.3	9	79	17	54	132	32	6.5	.6	.3	3.1
14		2.4	15	148	18	49	121	30	6	.6	.2	2.3
15	1.5	18	6	108	12	45	305	29	5.5	2.0	.2	1.5
16		8	3.5	137	11	41	217	28	5.5	.6	.2	2.0
17		9	4.3	113	10	39	173	26	4.8	.4	.2	1.7
18		71	.7	116	10	36	144	24	3.1	.3	.2	1.6
19	1.2	37	.6	102	9.5	33	127	23	3.3	.3	.3	1.5
20	1.3	12	2.7	80	9	37	115	21	4.9	.4	.3	1.6
21	1.3	9	4.1	67	9	48	104	20	7.5	1.0	.3	1.8
22	1.5	5.5	2.9	59	12	44	96	19	2.7	.9	.3	2.0
23	1.5	3.9	.4	53	19	268	88	19	2.0	1.8	.3	2.2
24	1.5	.7	.3	48	17	116	81	18	2.6	2.1	.3	2.1
25	1.5	.6	2.4	43	17	90	74	18	3.8	.6	.4	1.8
26	1.5	.5	2.4	39	16	78	70	17	2.7	.6	3.6	1.6
27	1.7	.5	10	35	17	68	66	16	1.4	.6	3.9	1.8
28	1.0	.4	24	30	42	57	64	16	1.4	.6	.5	2.0
29	1.1	1.0	19	30	-	48	69	16	2.0	.7	.5	2.3
30	1.2	.3	114	33	-	44	67	16	2.2	.8	1.0	2.1
31	6.5	-	29	31	-	36	-	15	-	.5	1.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	49.6	6.5	1.0	1.60	98
November	214.4	71	.3	7.15	425
December	254.7	114	.2	8.22	505
Calendar year 1934	6,362.6	760	.2	17.4	12,630
January	3,661	631	9	118	7,260
February	490.5	42	9	17.5	973
March	2,388	278	28	77.0	4,740
April	4,576	510	32	153	9,080
May	911	60	15	29.4	1,810
June	217.4	24	1.4	7.25	431
July	44.4	3.9	.3	1.43	88
August	19.5	3.9	.2	.63	39
September	62.9	4.1	.3	2.10	125
Water year 1934-35	12,889.4	631	.2	35.3	25,570

Campbell Creek at Saratoga, Calif.

Location.- Water-stage recorder, lat. 37°15'15", long. 122°2'25", in Quito grant, half a mile southwest of Saratoga post office, Santa Clara County. Altitude, about 500 feet.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge during year, 254 second-feet Jan. 4 (gage height, 2.90 feet); no flow Oct. 1-30.
1933-35: Maximum discharge, 314 second-feet Jan. 1, 1934 (gage height, 3.13 feet); no flow for long periods.

Remarks.- Records fair. Communication to well broken for several short periods and discharge estimated. Diversion above station by San Jose Water Works.

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	0.2	0.2	6.5	3.5	16	12	11	3.7	1.e	0.e	0.6
2	0	.1	.2	4.9	5	12	10	10	3.4	1.5	.5	.7
3	0	.2	.2	4.4	4.9	12	34	9.5	3.4	1.5	*.3	.6
4	0	.2	.2	98	4.6	11	40	9	3.4	1.5	*.3	.5
5	0	.2	.2	39	3.8	9	28	8.5	3.0	1.3	.6	.6
6	0	.2	.2	14	3.3	16	25	8.5	3.4	1.8	.8	.6
7	0	.2	.1	24	3.8	24	52	e	3.0	1.6	.5	.6
8	0	.2	0	31	4.6	13	80	7.5	3.0	1.6	.6	.6
9	0	.2	0	104	4.4	8	5e	7.5	3.0	1.5	*.3	.6
10	0	.1	0	92	4.0	7	45	7.5	3.0	1.5	*.3	.5
11	0	.1	0	35	4.0	7	36	7	2.7	1.3	*.3	.5
12	0	.2	0	20	4.0	7	29	7	2.7	1.3	*.2	.6
13	0	.2	0	15	4.0	6.5	25	6.5	2.7	1.1	*.2	.5
14	0	.3	1.1	30	4.0	6.5	22	6.5	2.8	.9	*.2	.4
15	0	2.1	1.3	20	4.2	5.5	50	6.5	2.6	1.2	*.2	.6
16	0	.3	1.3	27	4.0	5	38	6.5	2.4	*1.0	*.3	.5
17	0	.6	1.0	23	3.8	4.9	33	6.5	2.2	.7	.5	.5
18	0	7.5	1.2	28	3.8	4.6	2e	6	2.0	.5	.4	*.3
19	0	4.2	1.3	23	3.8	4.4	25	5	1.8	.5	.5	*.2
20	0	1.3	1.3	1e	3.3	4.2	22	5	1.8	.7	.4	*.2
21	0	.1	1.4	15	3.5	4.5	20	4.6	1.6	.9	.4	.3
22	0	0	1.6	14	3.6	4.5	18	4.8	1.8	1.2	.4	.3
23	0	0	1.4	12	3.8	48	17	5	1.6	1.1	.4	.6
24	0	0	1.3	12	3.5	26	15	4.4	1.9	.7	.4	.7
25	0	0	1.8	11	3.3	24	14	4.6	1.7	.6	.5	.4
26	0	.1	1.8	9	3.2	17	13	4.4	1.8	.5	1.3	.3
27	0	.2	4.7	8	3.3	15	13	4.4	1.7	.5	1.3	.2
28	0	.2	5.5	7	e.5	12	12	4.4	1.8	.5	1.2	.4
29	0	.2	6.5	6	-	12	13	4.4	2.1	.6	.9	.7
30	0	.2	23	5.5	-	12	12	4.4	1.8	.3	.7	.4
31	.6	-	11	3.0	-	12	-	4.1	-	.6	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.6	0.6	0	0.02	1.2
November	19.6	7.5	0	.65	39
December	69.8	23	0	2.25	138
Calendar year 1934	1,409.4	222	0	3.86	2,800
January	759.3	104	3.0	24.5	1,510
February	113.5	8.5	3.2	4.05	225
March	370.6	48	4.2	12.0	735
April	839	80	10	28.0	1,660
May	199.0	11	4.1	6.42	395
June	73.8	3.7	1.6	2.46	146
July	32.3	1.8	.3	1.04	64
August	16.4	1.3	.2	.53	33
September	14.5	.7	.2	.48	29
Water year 1934-35	2,508.4	104	0	6.87	4,980

*Estimated.

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Coyote Creek near Madrone, Calif.

Location.- Water-stage recorder, lat. 37°10', long. 121°37'40", in northwest corner of San Jose grant, above highway bridge at mouth of canyon, a quarter of a mile below Las Animas Creek, and 2¾ miles northeast of Madrone, Santa Clara County. Altitude, about 420 feet.

Drainage area.- 193 square miles.

Records available.- October 1902 to September 1912, December 1916 to September 1935.

Average discharge.- 29 years, 70.6 second-feet.

Extremes.- Maximum discharge during year, 4,640 second-feet Apr. 8 (gage height, 11.35 feet); no flow Oct. 1 to Nov. 17, Nov. 21 to Dec. 2.
1902-12, 1916-35: Maximum discharge, 25,000 second-feet, probably on Mar. 7, 1911, furnished by Duryea, Haehl, & Gilman; no flow for several short periods during 1902-11, 1920, 1924, 1929-31, 1933-34.

Remarks.- Records excellent. No large diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	1.7	14	12	33	40	9	4.2	1.0	0.5
2		0	0	1.2	13	9.5	30	35	9	4.0	1.0	.4
3		0	.1	1.3	13	9	97	31	8.5	3.9	1.0	.4
4		0	.1	20	13	10	164	27	e	3.9	1.0	.4
5		0	.2	320	12	10	112	24	8	3.8	1.0	.5
6		0	.2	75	12	13	79	23	e	3.8	.9	.4
7		0	.3	36	12	1,040	739	22	e	3.5	.8	.4
8		0	.3	96	12	559	2,760	21	8	4.3	.7	.5
9		0	.3	284	12	275	906	20	e	3.4	.6	.5
10		0	.3	146	11	143	510	20	8	2.5	.5	.5
11		0	.3	77	11	93	319	19	7.5	2.3	.5	.5
12		0	.4	46	11	69	198	19	7	2.0	.4	.5
13		0	1.1	31	11	56	143	19	7	1.5	.4	.5
14		0	2.3	38	11	47	120	18	6.5	1.4	.4	.4
15		0	1.4	197	10	38	302	17	6.5	1.3	.4	.4
16		0	1.0	410	10	33	394	16	7	2.7	.4	.4
17		0	.8	231	10	29	231	16	7	2.0	.4	.4
18		.1	.7	282	10	26	148	16	6.5	2.4	.4	.3
19		.5	.6	410	10	24	122	16	5.5	3.2	.4	.3
20		.1	.6	170	10	23	101	15	5.5	3.4	.4	.3
21		0	.6	102	10	56	83	14	5.5	2.3	.3	.4
22		0	.6	71	10	67	74	13	5.5	2.6	.3	.4
23		0	.6	51	10	302	66	13	5.5	2.5	.3	.4
24		0	.6	40	9.5	218	59	12	5	2.3	.3	.4
25		0	.6	32	9	116	52	4.6	4.9	2.2	.4	.4
26		0	.6	26	e.5	83	47	10	3.9	1.6	.4	.4
27		0	1.1	23	8.5	68	43	11	4.6	1.3	.5	.5
28		0	1.3	19	9.5	55	40	11	4.6	1.2	.4	.5
29		0	1.1	18	-	47	41	10	4.4	1.2	.4	.5
30		0	5	16	-	41	44	10	4.2	1.0	.4	.5
31			2.9	14	-	36	-	10	-	1.0	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	.7	.5	0	.02	1.4
December	26.0	5	0	.84	52
Calendar year 1934	4,710.9	1,030	0	12.9	9,330
January	3,285.2	410	1.2	106	6,520
February	303	14	8.5	10.8	601
March	3,607.5	1,040	9	116	7,160
April	8,057	2,760	30	269	15,980
May	552.6	40	4.6	17.8	1,100
June	196.6	9	3.9	6.55	390
July	78.7	4.3	1.0	2.54	156
August	16.7	1.0	.3	.54	33
September	12.9	.5	.3	.43	25
Water year 1934-35	16,136.9	2,760	0	44.2	32,020

Note.- No flow during October.

Coyote Creek near Edenvale, Calif.

Location.- Water-stage recorder, lat. 37°16'15", long. 121°47'55", at east boundary of Santa Teresa grant, at "The Narrows," 7 miles south of San Jose and 1½ miles northeast of Edenvale, Santa Clara County. Altitude, about 190 feet. Prior to Dec. 14, 1934, staff gage 150 feet upstream at same datum as recorder.

Drainage area.- 229 square miles.

Records available.- October 1916 to September 1935.

Average discharge.- 19 years, 25.8 second-feet.

Extremes.- Maximum discharge during year, 4,250 second-feet Apr. 8 (gage height, 7.00 feet); no flow during most of year.
1916-35: Maximum discharge, 10,000 second-feet Feb. 10, 1922 (gage height, 12.8 feet); no flow for long periods.

Remarks.- Records excellent. Water pumped from wells along creek above station for irrigation.

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

2.15	0	2.8	26	4.0	480	5.4	1,870
2.2	.2	2.9	40	4.2	610	5.6	2,130
2.3	1.0	3.0	58	4.4	765	5.8	2,410
2.4	3.0	3.2	110	4.6	950	6.0	2,700
2.5	6.2	3.4	178	4.8	1,150	6.4	3,300
2.6	10.5	3.6	264	5.0	1,370	6.6	3,930
2.7	17	3.8	364	5.2	1,610	7.1	4,410

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	0					
2				0		0	0					
3				0		0	0					
4				0		0	0					
5				0		0	0					
6				0		0	0					
7				0		485	222					
8				0		331	2,560					
9				0		146	874					
10				11		46	352					
11				0		4.8	207					
12				0		0	123					
13				0		0	70					
14				0		0	44					
15				0		0	113					
16				94		0	283					
17				108		0	108					
18				.7		0	82					
19				332		0	47					
20				100		0	25					
21				1e		0	e.5					
22				.4		0	.3					
23				0		32	0					
24				0		100	0					
25				0		0	0					
26				0		0	0					
27				0		0	0					
28				0		0	0					
29				0		0	0					
30				0		0	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	1,350.6	492	0	3.70	2,680
January	664.1	332	0	21.4	1,320
February	0	0	0	0	0
March	1,142.8	483	0	36.9	2,270
April	5,138.8	2,580	0	171	10,190
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	6,945.7	2,580	0	19.0	13,780

Note.- No flow during months left blank.

Alameda Creek near Niles, Calif.

Location.- Water-stage recorder, lat. 37°35'15", long. 121°57'35", in Arroyo de la Alameda grant, an eighth of a mile above highway bridge and 1¼ miles northeast of Niles, Alameda County. Altitude, about 100 feet.

Drainage area.- 633 square miles.

Records available.- December 1923 to September 1935; October 1916 to December 1923 at site 800 feet upstream.

Average discharge.- 18 years (1916-19, 1920-35), 55.6 second-feet.

Extremes.- Maximum discharge during year, 1,800 second-feet Apr. 8 (gage height, 5.95 feet); no flow Oct. 1 to Nov. 17, Nov. 26 to Dec. 12.
1916-35: Maximum discharge, 13,900 second-feet Feb. 10, 1922 (gage height, 12.44 feet, former site and datum); no flow during periods in 1918, possibly 1920, 1924-34.

Remarks.- Records excellent. Storage at Calaveras Reservoir (capacity, 100,000 acre-feet). San Francisco Aqueduct and other diversions above station. Water released from Calaveras Reservoir May 13 to Sept. 30. Gage-height record collected in co-operation with city of San Francisco.

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	3.8	3.7	3.4	7.5	6	26	41	49	57
2		0	0	3.8	2.9	5	5	5	24	52	49	56
3		0	0	3.8	2.5	3.0	52	4.7	54	53	49	55
4		0	0	10	2.1	3.4	59	3.3	40	53	49	46
5		0	0	137	1.8	3.1	46	2.8	36	48	47	45
6		0	0	35	1.6	3.2	46	2.8	27	55	41	45
7		0	0	18	1.6	151	139	2.8	50	54	43	48
8		0	0	150	1.5	234	1,540	2.9	37	54	43	49
9		0	0	225	1.4	178	902	1.8	35	54	42	49
10		0	0	227	1.3	105	396	.7	36	53	42	49
11		0	0	112	1.3	61	218	.7	39	52	41	50
12		0	0	56	1.2	39	144	.7	40	53	42	50
13		0	.8	34	1.2	24	92	31	40	52	34	50
14		0	4.3	42	1.2	15	66	48	39	50	37	49
15		0	3.6	46	1.2	6.5	125	30	18	50	38	48
16		0	3.4	96	1.2	5	295	25	28	49	36	48
17		0	3.3	117	1.2	4.2	266	29	39	52	46	47
18		.7	3.3	260	1.3	3.6	178	28	38	50	48	46
19		1.3	3.1	366	1.3	3.3	117	30	46	52	49	46
20		.8	3.1	192	1.3	3.4	78	29	48	52	50	48
21		.6	3.1	106	1.3	6.5	63	30	49	52	53	48
22		.4	3.0	65	1.4	4.9	50	18	49	55	55	49
23		.4	3.0	45	1.4	146	38	6.5	50	34	52	49
24		.4	2.9	32	1.4	122	29	38	58	47	44	49
25		.2	2.9	24	1.5	87	21	43	52	47	53	48
26		0	2.9	18	1.4	61	14	43	44	49	62	48
27		0	3.6	14	1.4	43	9	41	52	48	57	49
28		0	4.1	10	1.8	22	7.5	42	50	48	55	49
29		0	3.7	9	-	17	8	43	44	46	54	49
30		0	4.4	6.5	-	12	7.5	40	36	48	53	49
31		-	4.0	4.8	-	9	-	40	-	50	58	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	4.8	1.3	0	.16	9.5
December	62.8	4.4	0	2.02	124
Calendar year 1934	4,055.2	952	0	11.1	8,040
January	2,468.7	366	3.8	79.6	4,900
February	44.4	3.7	1.2	1.59	88
March	1,384.6	234	3.0	44.7	2,750
April	5,018.6	1,540	5	167	9,960
May	668.7	48	.7	21.6	1,330
June	1,224	58	18	40.8	2,430
July	1,552	55	34	50.1	3,080
August	1,471	62	34	47.5	2,920
September	1,468	57	45	48.9	2,910
Water year 1934-35	15,367.1	1,540	0	42.1	30,490

Note.- No flow during October.

Kern River near Kernville, Calif.

Location.- Water-stage recorder, lat. 35°56', long. 118°29', in NE¼ sec. 14, T. 23 S., R. 32 E., 3 miles above Salmon Creek and 15 miles north of Kernville. Altitude, about 3,550 feet.

Drainage area.- 845 square miles.

Records available.- January 1912 to September 1935.

Average discharge.- Combined flow of Kern River near Kernville and Kern River No. 3 Canal, 23 years, 631 second-feet.

Extremes.- Maximum discharge during year, 2,920 second-feet June 8 (gage height, 9.68 feet); minimum, 0.1 second-foot Nov. 30.
1912-35: Maximum discharge, 9,690 second-feet Jan. 17, 1916 (gage height, 8.8 feet, former datum); no flow at intervals July 31, 1924, to Feb. 7, 1925.

Remarks.- Records good. See records for Kern River No. 3 Canal, which diverts water 1 mile above station. Gage-height record and results of several discharge measurements furnished by Southern California Edison Co., Ltd.

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	1.5	2.0	0.6	0.7	1.6	1.0	1.7	465	1,150	384	1.0	0.6
2	1.0	.9	1.0	1.0	1.8	1.2	1.7	402	1,520	303	.9	.5
3	1.6	1.2	2.6	1.0	1.3	1.2	61	321	1,920	213	.8	.5
4	1.7	1.0	1.9	1.3	1.6	1.2	100	298	2,260	176	.8	.5
5	1.6	1.0	3.5	1.7	1.9	1.2	10	344	2,320	150	.8	.5
6	1.0	1.1	3.4	.7	2.0	1.1	4.7	495	2,380	136	.9	.4
7	1.9	.6	3.2	1.8	1.7	1.6	129	680	2,430	101	.9	.5
8	2.1	1.0	.3	1.2	1.5	1.4	765	825	2,490	70	.8	.5
9	1.2	.9	1.0	1.9	1.2	1.3	319	975	2,110	48	.8	.5
10	1.0	.9	.5	1.2	1.5	1.5	194	1,020	1,920	29	.6	.4
11	1.4	.6	.5	1.4	1.1	1.4	205	1,050	1,960	19	.7	.4
12	1.4	.6	.8	.9	1.7	1.3	202	975	2,010	13	.8	.4
13	1.6	.9	1.0	.7	1.5	1.3	202	925	1,920	10	.9	.4
14	2.1	.7	1.1	1.2	1.7	1.5	223	760	1,710	70	.9	.4
15	2.1	1.0	.9	1.6	1.0	1.7	267	780	1,390	162	.9	.5
16	2.1	1.3	.8	1.4	1.6	1.7	260	680	1,210	311	.9	.5
17	2.1	.8	.8	2.0	1.0	1.6	196	565	1,150	331	.9	.5
18	2.2	1.1	.8	1.6	1.3	1.8	186	495	1,150	238	.8	.5
19	2.1	1.7	.9	1.8	1.5	1.6	221	530	1,240	183	.8	.5
20	1.3	.4	.9	1.7	1.2	1.6	308	680	1,360	89	.6	.5
21	1.9	1.0	.9	1.8	1.7	1.6	450	675	1,210	26	.7	.5
22	1.7	1.4	1.0	1.8	1.4	1.7	495	1,150	1,150	2.3	.6	.6
23	1.9	1.2	1.0	1.7	1.2	1.7	565	1,420	1,020	1.8	.6	.6
24	1.0	.9	1.0	1.4	1.3	1.5	620	1,630	925	1.3	.6	.5
25	1.3	.9	1.0	1.5	1.2	1.7	680	1,480	760	1.1	.6	.6
26	1.3	1.6	.9	2.0	1.1	1.6	720	1,450	720	1.1	.9	.6
27	1.5	1.4	1.0	1.8	1.0	1.8	720	1,480	720	1.1	1.0	.6
28	1.3	1.7	1.2	1.7	1.0	1.6	760	1,590	680	1.1	.9	.6
29	1.3	.6	1.2	1.9	-	1.7	720	1,630	565	1.0	.7	.7
30	1.3	.8	1.3	1.8	-	1.7	582	1,360	465	.9	.6	.6
31	1.1	-	1.4	1.6	-	1.7	-	1,080	-	.9	.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	48.5	2.2	1.0	1.56	96
November	31.2	2.0	.4	1.04	62
December	38.4	3.5	.3	1.24	76
Calendar year 1934	7,252.0	567	.3	19.9	14,390
January	45.8	2.0	.7	1.48	91
February	38.7	2.0	1.0	1.38	77
March	45.9	1.7	1.0	1.48	91
April	10,168.1	765	1.7	339	20,170
May	28,410	1,630	298	916	56,350
June	43,815	2,490	465	1,460	86,910
July	3,082.6	384	.9	99.4	6,110
August	24.7	1.0	.6	.80	49
September	15.4	.7	.4	.51	31
Water year 1934-35	85,764.3	2,490	.3	235	170,100

Kern River near Kernville, Calif.

(Continued)

Combined discharge, in second-feet, of Kern River and Kern River No. 3 Canal near Kernville, Calif., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	114	196	162	170	244	258	550	1,060	1,760	994	379	267
2	113	186	177	172	248	269	534	1,000	2,130	914	360	300
3	112	174	164	174	250	260	643	922	2,530	823	341	306
4	113	164	165	189	259	252	710	900	2,870	786	330	274
5	113	162	164	180	330	245	606	945	2,930	760	320	252
6	112	160	165	199	401	244	562	1,100	2,990	747	306	234
7	121	157	161	198	354	266	725	1,280	3,040	715	293	224
8	125	154	167	199	326	239	1,360	1,420	3,100	681	279	216
9	118	153	178	216	297	230	918	1,570	2,720	659	269	208
10	115	150	176	215	282	248	799	1,620	2,530	641	269	201
11	113	148	170	205	266	274	808	1,650	2,570	629	274	197
12	112	146	180	198	260	313	805	1,580	2,620	622	317	194
13	114	146	236	181	258	351	805	1,530	2,530	629	378	193
14	114	144	402	172	256	372	826	1,360	2,320	680	358	190
15	116	146	301	216	241	387	869	1,380	2,000	773	321	192
16	120	176	240	177	243	370	862	1,280	1,820	920	303	186
17	125	185	224	195	245	358	799	1,170	1,760	939	288	180
18	156	207	211	199	251	352	789	1,100	1,760	848	270	174
19	168	246	201	177	266	338	825	1,130	1,850	792	256	172
20	154	213	203	167	283	306	913	1,280	1,970	697	247	180
21	161	203	203	182	279	315	1,060	1,480	1,820	633	243	184
22	159	205	197	222	275	261	1,100	1,750	1,760	559	236	190
23	155	202	191	242	284	343	1,160	2,020	1,630	519	231	194
24	146	191	186	236	275	333	1,220	2,240	1,540	487	226	192
25	146	178	187	232	251	331	1,280	2,080	1,370	464	225	186
26	145	187	181	232	258	348	1,320	2,060	1,330	439	272	180
27	144	187	178	232	265	369	1,320	2,090	1,330	415	306	177
28	142	187	194	232	265	402	1,360	2,200	1,290	397	301	170
29	140	182	166	232	-	447	1,320	2,240	1,180	388	276	170
30	141	183	153	237	-	509	1,180	1,970	1,080	384	256	183
31	140	-	182	242	-	542	-	1,690	-	385	241	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,066	168	112	131	8,060
November	5,317	246	144	177	10,550
December	6,085	402	153	196	12,070
Calendar year 1934	108,497	967	112	297	215,300
January	6,320	242	167	204	12,540
February	7,712	401	241	275	15,300
March	10,132	542	230	327	20,100
April	28,030	1,360	534	934	55,600
May	47,097	2,240	900	1,519	93,420
June	82,130	3,100	1,080	2,071	123,200
July	20,317	994	384	655	40,300
August	8,970	379	225	289	17,790
September	6,166	308	170	206	12,230
Water year 1934-35	212,342	3,100	112	582	421,200

Kern River at Isabella, Calif.

Location.- Water-stage recorder, lat. 35°40', long. 118°28', in SW¼ sec. 17, T. 26 S., R. 33 E., half a mile above South Fork of Kern River and half a mile north of Isabella. Altitude, about 2,490 feet.

Drainage area.- 1,070 square miles.

Records available.- October 1910 to September 1912 (fragmentary), October 1925 to September 1935 (discontinued).

Average discharge.- Combined flow of Kern River at Isabella and Borel Canal, 10 years (1925-35), 522 second-feet.

Extremes.- Maximum discharge during year, 2,880 second-feet June 8 (gage height, 11.04 feet); minimum, 0.5 second-foot parts of Oct. 3, 4, 12-14.
1925-35: Maximum discharge, 4,500 second-feet Nov. 27, 1926 (gage height, 12.73 feet); minimum, 0.2 second-foot several days in September 1934.

Remarks.- Records good. Diversions for irrigation and power above station (see records for Borel Canal). Gage-height record and results of several discharge measurements furnished by Southern California Edison Co., Ltd.

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	1.0	0.8	1.8	2.2	1.6	56	630	1,190	492	5.5	1.8
2	.7	1.0	.8	1.8	2.2	2.2	47	548	1,560	440	5	1.8
3	.6	1.0	.8	1.8	2.2	2.4	60	482	1,960	340	4.9	1.8
4	.6	1.0	.9	1.8	2.4	2.2	288	420	2,300	274	4.9	1.8
5	.6	1.0	.9	2.7	2.7	2.2	198	420	2,400	230	4.6	1.6
6	.7	1.0	.9	2.2	3.0	2.0	113	520	2,400	226	4.3	1.8
7	.7	1.0	1.0	2.0	3.4	2.7	147	696	2,520	190	4.0	1.8
8	.7	1.0	1.0	2.0	2.4	3.0	964	848	2,520	157	4.0	1.8
9	.7	1.2	1.0	2.2	1.8	2.4	708	994	2,300	119	4.0	1.8
10	.6	1.2	1.0	2.4	1.6	2.2	455	1,100	2,080	98	3.7	1.8
11	.6	1.2	1.0	2.2	1.6	2.2	425	1,110	2,080	81	3.7	2.0
12	.6	1.2	1.0	2.4	1.6	2.2	410	1,090	2,130	68	3.4	2.0
13	.6	1.2	1.6	2.4	1.6	2.2	405	1,010	2,080	56	3.7	2.0
14	.6	1.2	2.7	2.4	1.6	2.4	400	869	1,910	52	3.7	2.2
15	.6	1.2	5	3.0	1.6	3.4	445	820	1,610	143	2.5	2.2
16	.6	1.2	3.4	3.0	1.6	3.4	498	764	1,320	297	2.0	2.3
17	.6	1.2	2.7	3.0	1.6	3.4	410	660	1,230	380	1.8	2.3
18	.8	1.2	2.2	2.7	1.6	3.0	365	592	1,210	306	1.8	2.3
19	1.0	1.6	2.2	3.7	1.6	3.7	385	570	1,280	266	1.8	2.3
20	.9	1.0	2.2	3.0	1.8	4.6	455	654	1,410	186	1.8	2.3
21	.9	.9	2.2	2.7	1.8	4.6	586	827	1,360	123	1.6	2.5
22	.8	.8	2.2	2.7	1.6	5	690	1,100	1,230	48	1.6	2.5
23	.8	.8	2.0	3.0	1.8	5	714	1,460	1,140	17	1.6	2.5
24	.8	.8	2.0	2.7	1.8	5.5	778	1,710	1,020	11	1.8	2.5
25	.8	.8	2.0	2.7	1.6	5	806	1,610	862	9.5	2.0	2.8
26	.8	.8	2.0	2.7	1.6	5	834	1,560	785	9	2.2	2.8
27	.8	.8	2.0	2.4	1.6	5	855	1,610	778	8	2.3	2.8
28	.8	.8	2.2	2.4	1.6	5	876	1,710	757	8	2.2	2.8
29	.8	.8	2.2	2.4	-	5.5	855	1,760	678	7.5	2.0	3.1
30	.8	.8	2.0	2.2	-	6.5	771	1,610	586	6.5	2.0	3.1
31	.8	-	2.0	2.2	-	43	-	1,280	-	6	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	22.4	1.0	0.6	0.72	44
November	30.7	1.6	.8	1.02	61
December	55.9	5	.8	1.80	111
Calendar year 1934	9,342.0	390	.2	25.6	18,560
January	76.6	3.7	1.8	2.47	152
February	53.5	3.4	1.6	1.91	106
March	148.5	43	1.6	4.79	295
April	14,999	964	47	500	29,750
May	31,034	1,760	420	1,001	61,560
June	46,886	2,520	586	1,556	92,600
July	4,654.5	492	6	150	9,230
August	92.4	5.5	1.6	2.98	183
September	67.1	3.1	1.6	2.24	133
Water year 1934-35	97,920.6	2,520	.6	268	194,200

Kern River at Isabella, Calif.

(Continued)

Combined discharge, in second-feet, of Kern River and Borel Canal at Isabella, Calif. for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	111	173	189	178	281	289	626	1,190	1,760	1,030	376	247
2	111	191	180	186	284	304	615	1,110	2,130	979	359	281
3	109	174	167	192	290	307	628	1,050	2,530	881	337	290
4	108	163	167	202	297	285	855	984	2,870	813	327	271
5	105	158	169	250	356	280	764	985	2,970	769	320	247
6	105	154	166	236	456	270	679	1,080	2,970	765	307	232
7	109	152	165	219	436	297	713	1,260	3,090	728	291	223
8	117	149	172	222	386	297	1,530	1,410	3,080	695	278	216
9	114	148	182	235	359	272	1,270	1,560	2,870	654	265	208
10	108	147	181	250	333	283	1,020	1,660	2,650	632	260	200
11	105	147	177	235	319	310	992	1,670	2,650	616	266	193
12	103	143	181	230	301	347	978	1,650	2,700	602	286	188
13	105	142	235	208	299	395	973	1,580	2,640	591	349	185
14	105	141	420	195	295	423	967	1,430	2,470	588	353	180
15	107	141	387	237	283	452	1,010	1,380	2,180	678	314	180
16	108	163	278	212	270	434	1,070	1,330	1,890	832	294	179
17	113	182	249	223	277	419	977	1,220	1,800	913	277	172
18	140	212	238	227	282	413	933	1,160	1,770	841	263	167
19	163	259	217	218	296	397	956	1,140	1,840	801	250	162
20	149	236	217	195	315	370	1,030	1,220	1,970	719	239	164
21	155	208	219	203	318	367	1,160	1,390	1,920	656	232	172
22	155	212	214	246	310	317	1,260	1,670	1,780	580	227	176
23	151	209	207	270	314	379	1,280	2,030	1,680	527	218	184
24	145	201	197	268	312	398	1,340	2,280	1,560	494	213	182
25	141	180	200	263	289	388	1,370	2,180	1,400	466	214	177
26	140	186	194	262	280	395	1,400	2,130	1,330	440	250	170
27	138	193	190	266	293	417	1,420	2,180	1,320	416	293	168
28	137	186	206	266	297	448	1,440	2,280	1,300	393	305	161
29	136	185	193	267	-	498	1,420	2,330	1,220	382	276	161
30	135	185	164	273	-	560	1,340	2,180	1,120	378	252	169
31	133	-	190	279	-	611	-	1,850	-	380	239	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,861	163	103	125	7,660
November	5,320	259	141	177	10,550
December	6,511	420	164	210	12,910
Calendar year 1934	110,137	918	101	302	218,500
January	7,213	279	178	233	14,310
February	8,828	456	270	315	17,510
March	11,622	611	270	375	23,050
April	32,016	1,530	615	1,067	63,500
May	48,569	2,330	984	1,567	96,340
June	63,460	3,090	1,120	2,115	125,900
July	20,239	1,030	378	653	40,140
August	8,730	376	213	282	17,320
September	5,905	290	161	197	11,710
Water year 1934-35	222,274	3,090	103	609	440,900

Kern River near Bakersfield, Calif.

Location.- Water-stage recorder, lat. 35°25'54", long. 118°56'43", in SW¼ sec. 2, T. 29 S., R. 28 E., at mouth of lower canyon, 5 miles northeast of Bakersfield. Altitude, about 470 feet.

Drainage area.- 2,345 square miles.

Records available.- October 1893 to September 1935.

Average discharge.- 40 years (1893-1906, 1908-35), 918 second-feet.

Extremes.- 1896-1935: Maximum discharge, 18,287 second-feet Jan. 26, 1914; minimum, 57 second-feet in November 1924.

Remarks.- Many irrigation diversions and four power plants above station. Complete record except run-off in acre-feet and annual figures furnished by Kern County Land 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	123	156	194	195	280	328	653	1,514	2,021	1,136	370	242
2	117	168	195	189	279	328	632	1,357	2,045	1,019	365	247
3	111	191	193	195	278	364	627	1,258	2,341	951	347	257
4	104	170	191	202	288	354	665	1,178	2,656	865	326	265
5	107	174	188	299	297	336	910	1,097	2,933	811	312	254
6	111	174	187	271	364	324	811	1,090	2,928	744	296	239
7	112	170	189	246	435	317	732	1,211	3,022	742	287	223
8	117	168	192	222	472	355	862	1,407	3,113	731	278	215
9	122	166	196	233	419	341	1,728	1,611	3,155	697	264	203
10	120	164	199	248	387	314	1,340	1,778	2,908	678	261	197
11	112	162	200	266	359	317	1,153	1,847	2,745	651	259	187
12	116	161	201	245	338	334	1,124	1,849	2,754	644	255	181
13	120	159	207	243	317	381	1,097	1,801	2,757	627	284	179
14	124	156	271	225	322	429	1,072	1,767	2,640	609	322	178
15	125	156	336	212	329	466	1,080	1,590	2,561	606	340	178
16	111	178	350	239	316	484	1,128	1,575	2,198	677	320	176
17	118	195	300	225	291	476	1,136	1,484	2,017	860	288	180
18	124	220	273	235	292	455	1,077	1,353	1,956	940	259	172
19	142	266	259	260	302	444	1,079	1,251	1,949	858	257	163
20	167	249	236	232	327	442	1,100	1,268	2,019	813	251	151
21	160	242	235	203	340	416	1,218	1,447	2,127	744	243	157
22	166	213	235	210	350	414	1,379	1,583	2,002	667	232	163
23	163	213	232	252	345	362	1,430	1,875	1,939	608	230	171
24	161	213	225	264	348	428	1,548	2,118	1,826	556	217	176
25	161	210	217	266	328	424	1,642	2,311	1,724	518	212	175
26	157	197	219	262	300	423	1,743	2,228	1,561	482	213	170
27	157	199	213	264	302	424	1,741	2,219	1,435	438	261	159
28	150	202	208	265	322	439	1,714	2,268	1,428	415	292	155
29	148	201	208	270	-	479	1,718	2,338	1,374	412	298	155
30	150	198	202	271	-	539	1,677	2,415	1,250	393	273	161
31	154	-	185	275	-	588	-	2,242	-	375	258	-

Month	Maximum	Minimum	Mean	Run-off in acre-feet
October	172	103	133	8,200
November	271	147	189	11,270
December	381	183	224	13,760
Calendar year 1934	914	81.6	314	227,400
January	490	175	241	14,840
February	497	276	333	18,500
March	629	302	404	24,840
April	2,043	614	1,194	71,040
May	2,484	1,068	1,688	103,800
June	3,378	1,224	2,246	133,600
July	1,224	372	686	42,180
August	372	211	280	17,190
September	269	149	191	11,360
Water year 1934-35	3,378	103	650	470,600

Note.- Maximum and minimum for each month are instantaneous values determined from water-stage recorder graph.

Kern River No. 3 Canal near Kernville, Calif.

Location.- Water-stage recorder, lat. 35°54', long. 118°28', in NE¼ sec. 25, T. 23 S., R. 32 E., 4 miles below intake and 12 miles north of Kernville. Altitude, about 3,450 feet.

Records available.- March 1921 to September 1935.

Average discharge.- 14 years, 328 second-feet.

Extremes.- Maximum mean daily discharge during year, 612 second-feet June 2, July 7, 10; minimum, 111 second-feet Oct. 3-6, 12.
1921-35: Maximum mean daily discharge, 648 second-feet July 16, 1921; no flow at times.

Remarks.- Records excellent except those estimated, Jan. 20-30. Canal diverts from left bank of Kern River in sec. 12, T. 23 S., R. 32 E. Water is used for power and returned to river 8 miles below. Gage-height record and results of several discharge measurements furnished by Southern California Edison Co., Ltd.

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	112	194	181	169	242	257	548	599	611	610	378	266
2	112	185	176	171	246	268	532	600	612	611	359	300
3	111	173	161	173	249	259	582	601	610	610	340	305
4	111	163	163	188	257	251	610	602	609	610	329	274
5	111	161	161	178	328	244	598	601	610	610	319	251
6	111	159	162	198	399	243	557	602	610	611	305	234
7	119	156	158	196	352	264	596	602	610	612	292	224
8	123	153	167	198	325	258	597	600	610	611	278	216
9	117	152	177	214	296	229	599	599	611	611	268	207
10	114	149	175	214	280	246	605	598	611	612	268	201
11	112	147	170	204	265	273	603	601	610	610	273	197
12	111	145	179	197	258	312	603	601	610	609	316	194
13	112	145	235	180	257	350	603	602	609	611	377	193
14	112	143	401	171	254	370	603	601	609	610	357	190
15	114	145	300	214	240	385	602	601	608	611	320	191
16	116	174	239	176	241	368	602	602	608	609	302	186
17	123	184	223	193	244	356	603	601	610	608	287	179
18	153	206	210	197	250	350	603	601	611	610	269	174
19	166	244	200	175	265	336	604	601	610	609	255	171
20	153	213	202	165	282	304	605	601	610	608	246	180
21	159	202	202	180	278	313	605	600	610	607	242	184
22	157	204	198	220	274	259	605	601	610	557	235	189
23	153	201	190	240	283	341	599	604	611	517	230	193
24	145	190	185	235	274	332	600	605	611	466	225	191
25	145	177	186	230	250	329	600	605	610	463	224	185
26	144	185	180	230	257	346	599	606	610	438	271	179
27	143	186	177	230	264	367	599	609	610	414	305	176
28	141	185	193	230	264	400	599	610	610	396	300	169
29	139	181	165	230	-	445	599	610	610	387	274	169
30	140	182	152	235	-	507	600	611	610	383	255	182
31	139	-	181	240	-	540	-	611	-	384	240	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,020	166	111	130	7,970
November	5,284	244	143	176	10,480
December	6,047	401	152	195	11,990
Calendar year 1934	101,247	610	111	277	200,600
January	6,271	240	165	202	12,440
February	7,674	399	240	274	15,220
March	10,082	540	229	325	20,000
April	17,860	610	532	595	35,420
May	18,688	611	598	603	37,070
June	18,301	612	608	610	36,300
July	17,235	612	383	556	34,190
August	8,939	378	224	288	17,730
September	6,150	305	169	205	12,200
Water year 1934-35	126,551	612	111	347	251,000

Borel Canal at Tilley Creek, Calif.

Location.- Water-stage recorder, lat. 35°42', long. 118°27', in NW¼ sec. 4, T. 26 S., R. 33 E., where canal crosses Tilley Creek, three-quarters of a mile south of Kernville. Altitude, about 2,570 feet.

Records available.- January 1910 to September 1914, October 1925 to September 1935.

Extremes.- Maximum mean daily discharge during year, 571 second-feet Apr. 19, 20; minimum, 102 second-feet Oct. 12.
1925-35: Maximum mean daily discharge, 605 second-feet June 3-5, 1927; no flow at times.

Remarks.- Records good. Canal diverts from Kern River half a mile below Kernville. It supplies Borel hydroelectric plant of Southern California Edison Co., Ltd., 10 miles below; water then returns to Kern River. Gage-height record and results of several discharge measurements furnished by Southern California Edison Co., Ltd.

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	110	172	188	176	279	287	570	564	567	539	370	245
2	110	190	179	184	282	302	568	564	568	539	354	279
3	108	173	166	190	288	305	568	564	566	541	332	288
4	107	162	166	200	295	283	567	564	568	539	322	269
5	104	157	168	247	353	278	566	565	567	539	315	245
6	104	153	165	234	453	268	566	564	567	539	303	230
7	108	151	164	217	433	294	566	564	567	538	287	221
8	116	148	171	220	384	294	564	564	563	538	274	214
9	113	147	181	233	357	270	565	564	567	535	261	206
10	107	146	180	248	331	281	566	563	567	534	256	198
11	104	146	176	233	317	308	567	562	566	535	262	191
12	102	142	180	228	299	345	563	563	566	534	283	186
13	104	141	233	206	297	393	563	565	565	535	345	183
14	104	140	417	193	293	421	567	564	564	536	349	178
15	106	140	382	234	281	449	568	565	566	535	312	178
16	107	162	275	209	268	431	568	565	566	535	292	177
17	112	181	246	220	275	416	567	565	566	533	275	170
18	139	211	236	224	280	410	566	566	563	535	261	165
19	162	257	215	214	294	393	571	565	560	535	248	160
20	148	235	215	192	313	365	571	565	562	533	237	162
21	154	207	217	200	316	362	570	566	555	533	230	169
22	154	211	212	243	308	312	567	566	547	532	225	174
23	150	208	205	267	312	374	566	567	544	510	216	181
24	144	200	195	265	310	392	566	567	544	483	211	180
25	140	179	198	260	287	383	566	567	543	456	212	174
26	139	185	192	259	278	390	566	566	542	431	248	167
27	137	192	188	264	291	412	565	567	542	408	291	165
28	136	185	204	264	295	443	565	567	541	385	303	158
29	135	184	191	265	-	492	564	568	540	374	274	158
30	134	184	162	271	-	553	564	567	539	372	250	166
31	132	-	188	277	-	568	-	566	-	374	237	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,830	162	102	124	7,600
November	5,289	257	140	176	10,490
December	6,455	417	162	208	12,800
Calendar year 1934	100,795	543	101	276	199,900
January	7,137	277	176	230	14,160
February	8,769	453	268	313	17,390
March	11,474	568	268	370	22,760
April	17,008	571	564	567	33,730
May	17,519	568	562	565	34,750
June	16,750	568	539	558	33,220
July	15,585	541	372	503	30,910
August	8,635	370	211	279	17,130
September	5,837	288	158	195	11,580
Water year 1934-35	124,288	571	102	341	246,500

South Fork of Kern River near Onyx, Calif.

Location.- Water-stage recorder, lat. 35°44', long. 118°10', in SW¼ sec. 24, T. 25 S., R. 35 E., three-quarters of a mile north of Kernville-Walker Pass road, 1.4 miles above Canebrake Creek, and 5 miles northeast of Onyx. Altitude, about 2,900 feet.

Drainage area.- 531 square miles.

Records available.- September 1911 to August 1914, January 1919 to September 1935.

Average discharge.- 14 years (1911-13, 1919-25, 1929-35), 71.4 second-feet.

Extremes.- Maximum discharge during year, 560 second-feet Apr. 24 (gage height, 4.18 feet); minimum, 0.9 second-foot probably on Aug. 24.
1911-14, 1919-35: Maximum discharge, 2,360 second-feet Jan. 25, 1914 (gage height, 7.1 feet); no flow several days in July and August 1929 and in September 1934.

Remarks.- Records good except those for Oct. 24-29, Nov. 18 to Dec. 1, Dec. 3, Aug. 1 to Sept. 3, which were estimated. Lowell and Thomas irrigation ditches divert a total of about 2,000 acre-feet yearly 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	1.2	14	21	14	35	32	133	300	122	21		6
2	1.6	15	20	16	36	38	150	264	118	14		8
3	3.0	17	19	16	35	40	188	236	112	15		8
4	3.1	16	18	22	37	38	222	220	108	16		7
5	3.1	15	17	25	82	34	204	220	108	16		7
6	4.0	14	19	22	94	31	190	238	109	17		7
7	6	13	17	20	77	34	220	243	107	16		6
8	6	13	16	20	64	35	268	241	98	18		5.5
9	6	13	19	23	55	32	147	236	94	17		3.8
10	6	13	18	24	51	30	147	229	83	14		2.6
11	6	14	19	21	48	39	194	224	76	13		2.2
12	6	15	21	19	42	50	200	217	70	12		2.0
13	6	15	50	17	41	56	206	206	67	12		2.2
14	6	15	95	16	38	58	225	204	63	14		2.5
15	7	15	65	27	35	60	268	184	60	15		2.6
16	8	19	43	19	34	56	265	172	56	16		2.8
17	9.5	22	34	20	34	55	242	160	50	25		2.8
18	18	30	29	22	35	54	225	153	47	25		2.6
19	20	40	27	17	36	53	252	151	43	23		2.4
20	17	40	27	12	37	50	295	148	39	22		2.4
21	16	30	27	21	39	53	358	143	36	20		2.8
22	17	25	26	27	39	44	394	141	34	16		3.0
23	17	22	24	29	40	53	403	148	32	14		3.1
24	15	18	21	27	38	55	457	146	27	12		3.4
25	14	16	21	29	30	53	435	140	25	10		4.0
26	13	18	21	28	33	53	403	138	24	10		4.0
27	12	20	20	31	34	56	378	135	21	8		4.4
28	12	25	23	30	35	62	372	132	21	7		4.7
29	11	22	17	30	-	72	363	127	25	3.8		4.7
30	11	21	14	34	-	90	337	126	24	3.6		6
31	11	-	16	34	-	115	-	122	-	3.4		-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	292.5	20	1.2	9.44	580
November	585	40	13	19.5	1,160
December	824	95	14	26.6	1,630
Calendar year 1934	9,813.9	151	0	26.9	19,450
January	712	34	12	23.0	1,410
February	1,234	94	30	44.1	2,450
March	1,581	115	30	51.0	3,140
April	8,143	457	133	271	16,150
May	5,744	300	122	185	11,390
June	1,899	122	21	63.3	3,770
July	448.8	25	3.4	14.5	890
August	86.8	-	-	2.8	172
September	125.5	8	2.0	4.18	249
Water year 1934-35	21,675.6	457	-	59.4	42,990

Note.- Mean discharge for August estimated.

South Fork of Kern River at Isabella, Calif.

Location.- Water-stage recorder, lat. 35°40', long. 118°28', in NW¼ sec. 20, T. 26 S., R. 33 E., a quarter of a mile above junction with Kern River, at Isabella. Altitude, about 2,480 feet.

Drainage area.- 985 square miles.

Records available.- October 1910 to September 1913, January 1929 to September 1935.

Extremes.- Maximum discharge during year, 230 second-feet Apr. 25 (gage height, 2.88 feet); minimum, 4.6 second-feet Sept. 11; minimum gage height, 0.46 foot June 20, 21. 1929-35: Maximum discharge, 675 second-feet Apr. 18, 1932 (gage height, 3.27 feet); minimum, 0.3 second-foot July 26, 1931.

Remarks.- Records fair. Daily discharge estimated Mar. 26 to Apr. 1, Apr. 17-21. Twenty-seven irrigation ditches divert from river above station; considerable return flow from many of them.

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	8.5	7.5	8.5	8	8	10	11	142	66	8	7	9
2	8	7.5	8.5	8	8	11	11	123	65	8.5	6.5	7.5
3	8	8	8.5	8	8.5	11	11	122	66	8.5	6.5	7
4	8	8	8.5	8	8.5	11	10	102	65	9.5	6.5	7
5	8	8	8.5	8.5	9	11	10	96	63	9.5	6	5.5
6	8	8	8.5	8.5	9	11	9.5	91	56	8.5	6.5	7
7	8	8	8.5	8.5	10	12	9.5	76	53	8.5	6.5	5.5
8	8	7.5	8.5	8.5	21	13	10	76	53	8.5	6.5	7
9	8	6.5	8.5	8.5	24	12	26	78	41	8.5	6.5	6.5
10	8	5.5	8.5	8.5	21	12	19	76	36	9.5	7	5
11	8	8	8.5	8.5	17	12	13	72	33	8.5	7	4.9
12	8	7	8.5	8.5	17	12	13	72	26	8	7	5
13	8	5.5	8.5	8.5	18	12	13	79	24	8.5	7	5.5
14	8	6.5	8.5	8.5	17	12	15	79	22	7.5	7	5.5
15	8	6	8.5	8.5	17	12	16	67	18	7	7	8.5
16	8	7	8.5	8.5	17	12	23	69	13	7.5	7.5	7.5
17	8	7	8.5	8.5	16	12	40	74	12	6.5	7.5	6.5
18	8	8	8.5	8.5	15	12	45	75	12	6.5	9.5	6
19	8	8.5	8.5	8.5	14	11	50	78	11	6.5	8	6
20	8	8.5	8.5	8.5	13	11	60	73	10	6	8	7.5
21	8	8.5	8.5	8.5	12	11	100	61	9	6	7.5	6.5
22	8	8.5	8.5	8.5	12	11	146	52	12	6.5	7.5	7
23	8	8.5	8.5	8.5	11	11	167	44	11	6	7.5	7
24	8	8.5	8.5	8.5	11	11	184	39	11	6	6	5
25	8	8.5	8.5	8.5	10	11	206	38	10	6.5	6.5	5.5
26	8	8.5	8.5	8	10	11	191	45	8	6.5	8.5	6
27	8	8.5	8.5	8	10	11	180	42	8	7	11	7.5
28	7.5	8.5	8.5	8	10	11	172	38	8	9	10	7
29	7.5	8.5	8.5	8	-	11	170	50	8	8	9.5	9
30	7.5	8.5	8.5	8	-	11	163	60	8.5	6.5	9.5	9.5
31	7.5	-	8	8	-	11	-	60	-	7	9.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	246.5	8.5	7.5	7.95	489
November	231.5	8.5	5.5	7.72	459
December	263.0	8.5	8	8.48	522
Calendar year 1934	3,006.7	58	2.6	8.24	5,960
January	258.5	8.5	8	8.34	513
February	374.0	24	8	13.4	742
March	353	13	10	11.4	700
April	2,094	206	9.5	69.8	4,150
May	2,247	142	38	72.5	4,460
June	838.5	66	8	28.0	1,660
July	235.0	9.5	6	7.58	466
August	234.0	11	6	7.55	464
September	199.9	9.5	4.9	6.66	396
Water year 1934-35	7,574.9	206	4.9	20.8	15,020

Deer Creek at Hot Springs, Calif.

Location.- Staff gage, lat. 35°53', long. 118°41', in sec. 31, T. 23 S., R. 31 E., at forest supervisor's headquarters, 1 mile west of Hot Springs.

Drainage area.- 16.9 square miles.

Records available.- October 1910 to September 1935.

Average discharge.- 16 years (1910-15, 1917-21, 1925-31, 1934), 7.01 second-feet.

Extremes.- Maximum discharge recorded during year, 142 second-feet Apr. 8 (gage height, 2.00 feet); minimum, 1.0 second-foot Oct. 2, 12, 14.
1910-35: Maximum discharge recorded, about 420 second-feet Jan. 24, 1914 (gage height, 2.9 feet); minimum, 0.5 second-foot July 20, 1931.

Remarks.- Records fair October to June; no record June 21 to Sept. 30. Discharge interpolated Oct. 20 and Nov. 3-7. Flow regulated at times by filling and emptying swimming tank at Hot Springs. Gage-height record furnished by U. S. Forest Service.

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	1.2	2.8	1.8	2.1	3.6	2.1	9	15	8			
2	1.0	1.8	1.8	2.1	3.6	3.6	8	21	9			
3	1.1	1.8	1.8	1.8	3.6	5	8	14	8			
4	1.2	1.8	1.8	1.8	4.0	5.5	24	14	7.5			
5	1.1	1.8	1.8	5	4.6	4.6	14	13	7			
6	1.2	1.8	1.8	2.8	5.5	4.0	12	13	7			
7	1.3	1.8	2.1	2.4	7.5	7	35	14	7			
8	1.2	1.8	2.4	2.4	11	7.5	142	15	6			
9	1.2	1.8	2.4	4.0	7.5	5.5	53	15	5.5			
10	1.1	1.8	2.1	4.6	5	5	39	15	5.5			
11	1.1	1.8	1.8	2.8	4.0	4.6	35	15	5.5			
12	1.0	1.8	1.8	3.6	4.6	7.5	28	15	5			
13	1.1	1.8	2.1	2.4	3.6	9.5	25	14	4.6			
14	1.0	1.8	10	2.4	3.6	12	22	14	4.6			
15	1.1	1.8	5	4.6	3.2	14	22	14	4.6			
16	1.2	3.2	3.6	2.4	2.8	10	32	14	4.6			
17	1.3	2.4	2.8	2.4	2.8	8	28	14	4.6			
18	1.5	3.2	2.4	2.8	2.4	7.5	21	13	4.3			
19	1.8	6	2.1	2.1	2.6	7.5	21	12	4.0			
20	1.6	3.2	2.1	2.1	2.8	7	19	12	4.0			
21	1.5	2.1	1.8	2.1	2.4	5.5	19	12	-			
22	1.5	1.8	1.8	2.4	2.4	4.6	18	12	-			
23	1.8	1.8	1.8	2.4	3.6	5	15	12	-			
24	1.5	1.8	1.5	3.2	3.6	7	14	12	-			
25	1.4	1.8	1.5	3.6	3.2	7.5	14	11	-			
26	1.4	1.5	1.5	3.6	2.4	7.5	14	11	-			
27	1.4	1.5	1.5	3.6	2.4	7.5	14	11	-			
28	1.4	1.5	2.8	4.0	2.1	8	14	11	-			
29	1.4	1.5	1.8	4.0	-	8	16	11	-			
30	1.4	1.5	2.1	4.0	-	9.5	20	10	-			
31	1.4	-	1.8	4.0	-	9	-	10	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	40.4	1.8	1.0	1.30	80
November	62.8	6	1.5	2.09	125
December	73.4	10	1.5	2.37	146
Calendar year 1934	896.8	16	.7	2.46	1,780
January	93.5	5	1.8	3.02	185
February	110.6	11	2.1	3.95	219
March	216.5	14	2.1	6.98	429
April	755	142	8	25.2	1,500
May	409	21	10	13.2	811
June 1-20	116.3	9	4.0	5.82	231
July					
August					
September					
Water year 1934-35					3,730

Tule River near Porterville, Calif.

Location.- Water-stage recorder, lat. 36°05', long. 118°55', in NW¼ sec. 25, T. 21 S., R. 28 E., at highway bridge 1 mile above South Fork and 6 miles east of Porterville. Altitude, about 580 feet.

Drainage area.- 266 square miles.

Records available.- May 1901 to September 1935.

Average discharge.- 34 years, 130 second-feet.

Extremes.- Maximum discharge during year, 4,360 second-feet Apr. 8 (gage height, 8.9 feet); no flow Oct. 1-27, Sept. 28-30.
1901-35: Maximum discharge, about 6,780 second-feet Jan. 17, 1916 (gage height, 11.0 feet, old staff-gage datum); no flow parts of 1934 and 1935.

Remarks.- Records good. Discharge estimated Nov. 18, 19. Several small diversions above station. Power is developed on Middle Fork and tributaries.

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	1.9	19	27	64	63	230	341	197	34	1.1	0.4
2	0	22	20	26	62	66	210	317	197	30	.9	.4
3	0	6	19	26	60	88	228	282	216	30	.8	.4
4	0	2.9	18	26	64	100	405	260	224	28	.7	.3
5	0	2.3	19	53	96	97	317	258	226	28	.7	.3
6	0	2.3	18	54	210	85	244	284	218	24	.8	.3
7	0	2.5	18	42	154	124	382	319	206	24	.8	.3
8	0	2.5	17	39	202	192	1,580	335	202	23	.7	.2
9	0	2.5	16	44	168	141	890	343	164	21	.6	.2
10	0	2.7	16	54	133	114	540	343	170	18	.6	.3
11	0	3.2	16	47	108	104	458	330	160	16	.6	.3
12	0	3.8	17	48	96	119	422	313	152	15	.6	.3
13	0	3.8	24	43	87	147	374	286	142	13	.6	.2
14	0	4.1	148	39	80	180	362	258	131	12	.6	.2
15	0	4.4	104	50	75	206	372	258	120	10	.6	.2
16	0	27	56	53	70	190	398	250	109	10	.6	.2
17	0	36	44	49	68	164	352	238	98	8.5	.5	.2
18	0	44	38	48	69	150	317	226	89	6	.5	.2
19	0	65	34	96	74	143	310	208	82	4.6	.5	.1
20	0	49	32	57	77	127	321	220	73	4.3	.4	.1
21	0	32	31	52	74	130	350	232	68	4.3	.5	.1
22	0	26	30	52	72	123	346	252	62	4.3	.4	.1
23	0	23	29	57	75	120	335	284	59	4.3	.4	.1
24	0	23	28	61	78	193	317	291	55	3.4	.4	.1
25	0	21	28	67	72	151	313	262	51	2.7	.5	.1
26	0	20	27	70	68	141	310	264	45	1.8	.5	.1
27	0	20	27	72	64	148	315	269	40	1.4	.7	.1
28	.2	19	31	70	63	169	313	269	38	1.2	.6	0
29	.6	18	30	69	-	198	357	260	36	1.3	.4	0
30	.7	18	28	66	-	228	422	238	35	1.2	.4	0
31	.9	-	28	65	-	238	-	208	-	1.2	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2.4	0.9	0	0.08	4.8
November	507.9	65	1.9	16.9	1,010
December	1,010	148	16	32.6	2,000
Calendar year 1934	7,805.1	240	0	21.4	15,490
January	1,622	96	26	52.3	3,220
February	2,585	210	60	92.3	5,130
March	4,441	238	63	143	8,810
April	12,090	1,580	210	403	23,980
May	8,498	343	208	274	16,860
June	5,685	226	35	123	7,310
July	386.5	34	1.2	12.5	767
August	18.6	1.1	.4	.60	37
September	5.8	.4	0	.19	12
Water year 1934-35	34,852.2	1,580	0	95.5	69,140

South Fork of Tule River near Success, Calif.

Location.- Water-stage recorder, lat. 36°03', long. 118°51', in NW¼ sec. 4, T. 22 S., R. 29 E., 3 miles southeast of Success and 5 miles above mouth. Altitude, about 750 feet.

Drainage area.- 106 square miles.

Records available.- June 1930 to September 1935.

Extremes.- Maximum discharge during year, 1,200 second-feet Apr. 8 (gage height, 4.67 feet); no flow for several months.
1930-35: Maximum discharge, 1,520 second-feet Dec. 28, 1931 (gage height, 5.20 feet); no flow for long periods.

Remarks.- Records good. Several irrigation diversions 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		2.9	5	7	17	17	61	82	37	9		
2		7	6	7	17	18	56	84	35	8.5		
3		2.9	5	7	18	30	80	74	33	8.5		
4		2.0	4.8	7	20	32	132	69	31	8.5		
5		.9	4.8	15	32	30	92	67	30	7.5		
6		0	4.6	16	46	26	76	66	29	6.5		
7		0	4.3	12	39	45	151	69	29	6		
8		0	4.3	11	47	56	560	70	27	6		
9		0	4.6	14	39	45	326	73	26	6		
10		0	5	20	31	39	207	73	24	6		
11		0	5	15	26	37	179	70	23	6		
12		0	4.8	17	24	41	154	67	22	4.6		
13		0	6	14	22	46	137	64	21	4.3		
14		0	44	12	21	54	126	61	20	4.3		
15		.5	35	17	20	61	125	60	19	3.8		
16		5.5	17	16	18	53	139	58	18	3.4		
17		13	13	16	17	45	121	56	18	2.6		
18		14	11	15	18	41	104	55	18	1.8		
19		28	10	22	20	39	97	51	16	1.1		
20		18	9	16	20	37	94	50	15	.7		
21		12	8.5	16	20	38	95	47	14	.7		
22		8	8.5	15	18	34	92	47	13	.7		
23		7	8	17	23	38	89	50	12	.2		
24		7	7.5	17	22	55	64	51	12	0		
25		6.5	7	19	19	45	80	48	11	0		
26		6	7.5	20	19	43	77	46	10	0		
27		5.5	7	20	18	43	76	45	9	0		
28		5	8	20	18	47	76	43	9.5	0		
29		5	9	19	-	53	89	41	9	0		
30		5	8	18	-	61	100	40	9.5	0		
31		-	7.5	18	-	62	-	39	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	161.7	28	0	5.39	321
December	289.7	44	4.3	9.35	575
Calendar year 1934	2,003.6	74	0	5.49	3,970
January	475	22	7	15.3	942
February	669	47	17	23.9	1,330
March	1,311	62	17	42.3	2,600
April	3,875	560	56	129	7,690
May	1,816	84	39	58.6	3,600
June	600.0	37	9	20.0	1,190
July	106.7	9	0	3.44	212
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	9,304.1	560	0	25.5	18,460

Note.- No flow during months left blank.

Kaweah River near Three Rivers, Calif.

Location.- Water-stage recorder, lat. 36°25', long. 118°56', in SE¼ sec. 27, T. 17 S., R. 28 E., three-quarters of a mile below South Fork, 3 miles below North Fork, and 1¼ miles southwest of Three Rivers. Altitude, about 680 feet.

Drainage area.- 514 square miles.

Records available.- April 1903 to September 1935.

Average discharge.- 32 years, 527 second-feet.

Extremes.- Maximum discharge during year, 8,900 second-feet Apr. 8 (gage height, 11.76 feet); minimum, 11 second-feet Oct. 1.
1903-35: Maximum discharge, about 14,700 second-feet Jan. 17, 1916 (gage height, 13.5 feet); minimum, 8.5 second-feet Sept. 19, 1934.

Remarks.- Records excellent except those estimated Jan. 20 to Feb. 6. Irrigation diversions above station. Power is developed on Middle and East Forks.

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	96	93	64	200	206	678	1,320	1,560	489	109	49
2	13	90	90	81	200	229	633	1,170	1,970	428	103	49
3	13	59	81	78	185	244	810	1,040	2,350	401	98	48
4	13	53	81	90	195	248	1,140	1,060	2,460	365	92	46
5	13	48	75	188	325	240	887	1,190	2,420	370	87	43
6	13	46	69	166	525	221	745	1,510	2,350	345	85	44
7	13	42	66	134	400	348	1,200	1,790	2,350	322	80	44
8	17	39	64	134	486	361	4,410	1,970	2,120	308	76	43
9	16	39	66	159	370	312	2,090	2,090	1,900	295	70	42
10	15	38	66	188	320	272	1,390	2,090	1,850	275	68	40
11	13	36	69	155	276	280	1,220	2,030	1,800	263	64	38
12	14	34	78	137	252	338	1,160	1,850	1,800	248	66	40
13	14	33	120	123	236	425	1,150	1,730	1,650	241	75	42
14	15	33	673	120	217	481	1,290	1,420	1,500	259	73	40
15	16	36	356	159	202	514	1,460	1,480	1,300	316	66	42
16	17	69	229	144	195	445	1,400	1,440	1,180	445	64	40
17	19	113	191	137	195	395	1,150	1,230	1,160	428	62	38
18	26	170	166	134	213	380	1,060	1,070	1,130	295	60	37
19	39	240	152	173	248	366	1,140	1,240	1,170	248	57	34
20	38	202	144	130	256	312	1,280	1,620	1,170	220	55	34
21	30	134	134	130	232	356	1,490	1,850	1,040	196	53	34
22	28	123	130	145	229	302	1,470	2,160	957	182	51	38
23	26	123	120	165	256	361	1,470	2,350	882	168	49	36
24	27	116	113	180	240	455	1,480	2,280	786	159	44	36
25	26	106	110	195	210	400	1,620	2,030	695	152	43	34
26	25	103	99	200	221	415	1,680	2,160	681	142	51	36
27	25	99	93	185	221	460	1,680	2,220	674	133	82	37
28	24	93	96	185	217	506	1,620	2,220	625	126	75	37
29	25	90	90	185	-	579	1,910	2,090	566	120	62	37
30	25	93	90	195	-	658	1,730	1,620	518	117	57	38
31	26	-	87	200	-	678	-	1,320	-	114	51	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	638	39	12	20.6	1,270
November	2,596	240	33	86.5	5,150
December	4,091	673	64	132	8,110
Calendar year 1934	65,111.0	832	9	178	129,100
January	4,679	200	76	151	9,280
February	7,322	525	185	262	14,520
March	11,779	678	206	380	23,360
April	42,443	4,410	633	1,415	84,180
May	52,640	2,350	1,040	1,698	104,400
June	42,634	2,480	518	1,421	84,560
July	8,172	489	114	264	16,210
August	2,130	109	43	68.7	4,220
September	1,196	49	34	39.9	2,370
Water year 1934-35	180,320	4,410	12	494	357,600

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North Fork of Kaweah River at Kaweah, Calif.

Location.- Water-stage recorder, lat. 36°29', long. 118°55', in SE¼ sec. 34, T. 16 S., R. 28 E., 1¼ miles above Mannikin Creek, 1½ miles north of Kaweah, and 3 miles above mouth. Altitude, about 1,080 feet.

Drainage area.- 128 square miles.

Records available.- October 1933 to September 1935; October 1910 to October 1933, staff gage 1 mile below.

Average discharge.- 24 years (1911-35), 83.9 second-feet.

Extremes.- Maximum discharge during year, 3,240 second-feet Apr. 8 (gage height, 7.02 feet); minimum, 0.9 second-foot Oct. 6.
1910-35:. Maximum discharge, about 7,400 second-feet Jan. 25, 1914 (gage height, 10.2 feet at former site and datum); no flow for many days July to October 1924.

Remarks.- Records excellent. Several small irrigation diversions 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	1.4	13	12	16	62	56	193	406	195	48	16	6.5
2	1.3	10	12	15	63	68	180	382	193	47	15	6.5
3	1.2	6.5	11	15	58	65	286	316	195	47	15	6.5
4	1.2	5.5	10	18	60	68	398	320	195	44	14	6.5
5	1.2	4.9	10	59	114	65	323	338	188	41	14	6.5
6	1.0	4.3	9	40	186	62	256	382	178	40	14	6
7	1.1	4.0	9	32	133	94	419	418	168	39	13	6
8	1.3	3.9	9	33	170	94	1,730	434	159	38	12	6
9	1.4	3.7	9	50	122	86	695	446	150	36	12	5.5
10	1.3	3.7	9	54	105	77	490	430	141	36	11	5.5
11	1.2	3.7	9	40	92	82	426	410	132	34	11	5.5
12	1.2	3.7	9	35	80	101	394	390	122	33	10	5
13	1.2	3.7	12	31	76	126	379	382	115	30	10	4.5
14	1.2	3.6	228	30	69	136	418	330	108	29	10	4.5
15	1.2	5	100	50	63	146	486	330	101	28	9.5	4.8
16	1.4	16	50	39	62	128	474	352	96	28	9.5	5
17	1.7	37	36	37	62	118	379	316	91	43	10	5
18	2.8	44	30	40	69	115	345	281	83	28	9.5	5
19	8.5	74	27	40	77	107	363	281	78	25	9	4.8
20	5.5	36	25	36	80	93	402	297	74	23	8.5	4.6
21	4.0	21	24	36	74	102	438	300	70	23	8	4.6
22	3.6	16	24	40	71	91	418	316	65	23	7.5	4.6
23	3.8	16	22	46	80	108	414	323	63	22	7	4.6
24	3.5	17	21	53	74	124	418	313	60	22	6.5	4.5
25	3.3	13	20	59	60	115	422	281	58	21	6.5	4.8
26	3.1	12	18	62	63	115	430	278	54	20	7.5	5
27	2.8	12	17	57	60	128	422	273	51	20	8.5	5
28	2.5	12	20	57	58	143	410	259	50	20	8.5	4.8
29	2.5	11	18	58	-	164	560	246	49	18	8	5
30	2.5	11	16	60	-	188	532	230	49	17	7.5	5.5
31	3.3	-	16	62	-	195	-	208	-	16	7.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	73.0	8.5	1.0	2.35	145
November	427.2	74	3.6	14.2	847
December	842	228	9	27.2	1,670
Calendar year 1934	9,379.4	294	.7	25.7	18,580
January	1,300	62	15	41.9	2,580
February	2,343	186	58	83.7	4,650
March	3,357	195	56	108	6,660
April	13,500	1,730	180	450	26,780
May	10,238	446	208	330	20,310
June	3,331	195	49	111	6,610
July	939	48	16	30.3	1,860
August	316.0	16	6.5	10.2	627
September	158.6	6.5	4.5	5.29	315
Water year 1934-35	36,824.8	1,730	1.0	101	73,050

Kings River near Hume, Calif.

Location.- Water-stage recorder, lat. 36°51', long. 118°54', near west line of sec. 35, T. 12 S., R. 28 E., 1⅛ miles below junction of South and Middle Forks of Kings River and 3⅝ miles north of Hume. Altitude, about 2,100 feet.

Drainage area.- 838 square miles.

Records available.- August 1921 to September 1935.

Average discharge.- 11 years (1921-22, 1923-24, 1926-35), 1,012 second-feet.

Extremes.- Maximum discharge during year, 9,370 second-feet June 8 (gage height, 7.97 feet); minimum, 73 second-feet Oct. 14.
1921-35: Maximum discharge, 11,700 second-feet June 4, 1922 (gage height, 8.67 feet); minimum, 63 second-feet Sept. 29 to Oct. 4, 1924.

Remarks.- Records good except those estimated, Jan. 25-31. No diversions. Small amount of water released from Hume Lake occasionally.

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

0.8	60	2.0	415	3.2	1,100	4.8	2,810	7.2	7,410
1.0	90	2.2	510	3.4	1,240	5.2	3,410	7.6	8,360
1.2	130	2.4	615	3.6	1,410	5.6	4,070	8.0	9,370
1.4	185	2.6	725	3.8	1,600	6.0	4,800	8.2	9,900
1.6	250	2.8	840	4.0	1,800	6.4	5,620		
1.8	330	3.0	965	4.4	2,270	6.8	6,500		

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	84	191	206	182	370	379	965	2,150	4,070	2,340	752	334
2	82	170	197	191	370	378	932	1,970	5,620	2,030	698	397
3	82	158	188	179	370	370	1,030	1,800	6,950	1,750	654	366
4	80	150	186	236	384	370	1,030	1,700	7,870	1,650	620	330
5	79	148	179	326	466	364	1,030	1,910	7,640	1,700	588	306
6	77	145	176	266	626	342	965	2,530	7,640	1,600	550	286
7	82	142	170	278	530	370	1,320	3,180	7,410	1,500	520	266
8	84	140	167	278	525	334	2,460	3,730	7,410	1,460	470	246
9	79	138	167	318	466	364	1,550	4,070	6,500	1,410	438	229
10	76	135	156	318	442	374	1,410	4,070	6,500	1,320	433	218
11	76	130	155	314	410	406	1,320	3,900	6,500	1,320	442	206
12	74	126	161	286	397	466	1,360	3,490	6,720	1,320	598	197
13	74	124	222	258	397	571	1,410	3,180	6,500	1,410	560	191
14	74	122	451	270	379	632	1,860	2,880	6,060	1,650	515	188
15	77	126	330	306	350	642	2,030	3,020	4,900	1,860	470	188
16	79	155	282	286	362	582	1,750	2,670	4,340	2,150	442	179
17	86	185	274	306	362	550	1,600	2,270	4,430	2,400	420	170
18	110	250	246	290	384	540	1,550	2,150	4,700	2,090	392	164
19	116	318	240	278	420	490	1,650	2,600	5,000	1,700	370	161
20	114	262	243	254	442	442	1,910	3,330	5,200	1,410	354	155
21	118	246	229	298	428	456	2,210	3,980	4,800	1,240	342	155
22	118	258	226	330	424	406	2,210	5,100	4,610	1,100	326	161
23	116	258	206	350	433	500	2,340	5,730	4,160	1,030	318	179
24	114	229	206	354	420	486	2,670	5,730	3,730	965	310	179
25	110	229	200	360	374	495	2,880	5,100	3,250	932	306	173
26	108	232	188	380	392	550	2,950	5,200	3,250	870	354	170
27	108	222	186	380	392	604	3,020	5,300	3,410	840	490	164
28	108	215	197	370	388	698	3,020	5,620	3,100	780	410	155
29	108	212	164	360	-	810	3,020	5,520	2,810	752	379	152
30	108	212	173	360	-	900	2,600	4,070	2,530	752	350	155
31	108	-	194	360	-	965	-	3,180	-	780	326	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,908	118	74	93.8	5,770
November	5,628	318	122	188	11,160
December	6,562	451	155	212	13,020
Calendar year 1934	205,036	2,400	74	562	406,500
January	9,322	380	179	301	18,490
February	11,701	626	350	418	23,210
March	15,815	965	334	510	31,370
April	56,052	3,020	932	1,868	111,200
May	111,130	5,730	1,700	3,585	220,400
June	157,610	7,870	2,530	5,254	312,600
July	44,111	2,400	752	1,423	87,490
August	14,197	752	306	458	28,160
September	6,420	397	152	214	12,730
Water year 1934-35	441,456	7,870	74	1,209	875,600

Kings River above North Fork, Calif.

Location.- Water-stage recorder, lat. 36°52', long. 119°07', in N½ sec. 27, T. 12 S., R. 28 E. (unsurveyed), 1 mile above North Fork of Kings River and 10 miles southeast of Trimmer. Altitude, about 1,020 feet.

Drainage area.- 956 square miles (revised).

Records available.- October 1931 to September 1935; March 1927 to December 1928 at site half a mile downstream.

Extremes.- Maximum discharge during year, 9,160 second-feet June 4 (gage height, 6.81 feet); minimum, 79 second-feet Oct. 13.
1927-28, 1931-35: Maximum discharge, 11,200 second-feet May 17, 1927 (gage height, 10.30 feet, former site and datum); minimum, that of Oct. 13, 1934.

Remarks.- Records excellent. No diversions. Small amount of water released from Hume Lake occasionally. Gage-height record collected in cooperation with Kings River Water Association.

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

0.5	75	1.4	254	2.6	800	4.6	2,900	7.0	9,920		
.6	85	1.6	318	2.8	930	5.0	3,580	7.3	11,060		
.7	98	1.8	391	3.0	1,070	5.4	4,420				
.8	113	2.0	475	3.4	1,410	5.8	5,580				
1.0	152	2.2	572	3.8	1,830	6.2	6,960				
1.2	198	2.4	680	4.2	2,320	6.6	8,400				

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	89	170	214	188	403	416	1,070	2,680	4,200	2,600	770	328
2	88	170	206	191	407	436	1,040	2,460	5,750	2,320	716	383
3	86	156	191	191	403	432	1,230	2,260	6,960	1,950	664	368
4	86	152	188	234	420	428	1,280	2,070	7,860	1,630	630	332
5	86	148	181	504	522	424	1,320	2,260	7,680	1,890	604	305
6	85	146	174	342	752	399	1,150	2,900	7,680	1,630	567	285
7	86	144	172	316	652	522	1,560	3,580	7,500	1,660	532	270
8	85	137	170	328	656	475	4,570	4,090	7,500	1,610	489	251
9	86	135	170	407	593	458	2,600	4,420	6,780	1,510	462	234
10	83	131	163	416	542	475	2,130	4,420	6,430	1,460	456	220
11	81	127	159	376	508	494	1,890	4,200	6,600	1,410	462	209
12	80	124	163	339	480	562	1,830	3,580	6,780	1,460	577	198
13	80	122	206	305	471	680	1,630	3,560	6,600	1,460	588	193
14	80	122	620	305	445	758	2,390	3,220	6,260	1,780	522	186
15	81	127	424	426	424	782	2,980	3,400	5,090	2,010	489	166
16	84	163	325	353	420	710	2,660	3,060	4,540	2,320	471	181
17	88	181	305	368	420	647	2,260	2,680	4,540	2,680	449	170
18	106	282	273	357	436	625	2,070	2,530	4,600	2,390	416	165
19	122	372	260	353	471	593	2,130	2,900	5,090	1,890	387	159
20	107	298	254	308	498	542	2,390	3,680	5,240	1,560	372	156
21	115	263	248	336	480	562	2,750	4,310	4,940	1,360	357	159
22	115	263	237	372	471	484	2,750	5,240	4,600	1,190	339	163
23	113	263	222	403	489	598	2,820	6,090	4,420	1,070	332	176
24	112	248	212	416	484	630	3,140	6,260	4,090	1,010	315	181
25	108	228	212	424	432	614	3,400	5,410	3,580	965	302	174
26	106	240	198	428	436	647	3,400	5,410	3,490	909	336	170
27	104	228	193	432	436	692	3,490	5,580	3,580	842	462	165
28	106	222	212	416	432	770	3,490	5,920	3,310	806	412	159
29	106	214	186	407	-	674	3,580	5,920	3,060	776	380	156
30	106	217	172	403	-	1,010	3,140	4,420	2,820	770	350	159
31	108	-	206	403	-	1,070	-	3,560	-	776	325	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,971	122	80	95.8	5,890
November	5,793	372	122	193	11,490
December	7,116	620	159	230	14,110
Calendar year 1934	218,903	2,750	80	600	433,500
January	11,051	504	188	356	21,920
February	13,585	752	403	485	26,950
March	16,809	1,070	399	607	37,310
April	72,360	4,570	1,040	2,412	143,500
May	122,410	6,260	2,070	3,949	242,800
June	161,970	7,860	2,820	5,399	321,300
July	48,094	2,680	770	1,551	95,390
August	14,535	770	302	469	28,830
September	6,441	383	156	215	12,760
Water year 1934-35	485,135	7,860	80	1,329	962,300

Kings River at Piedra, Calif.

Location.- Water-stage recorder, lat. 36°49'2", long. 119°23'8", in NW¼ sec. 8, T. 13 S., R. 24 E., half a mile below highway bridge at Piedra and 12 miles northeast of Sanger. Altitude, about 500 feet.

Drainage area.- 1,694 square miles (revised).

Records available.- September 1895 to September 1935.

Average discharge.- 40 years, 2,246 second-feet.

Extremes.- Maximum discharge during year, 18,300 second-feet Apr. 8 (gage height, 11.65 feet); minimum, 80 second-feet Oct. 14, 15 (gage height, 1.06 feet).
1895-1935: Maximum discharge, about 59,700 second-feet Jan. 25, 1914 (gage height, 21.8 feet, former datum); minimum, 67 second-feet Oct. 3, 1924.

Remarks.- Records excellent. No large diversions; small storage on Humé Creek; one power plant on North Fork of Kings River.

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

1.0	72	2.2	370	3.5	1,080	6.0	3,600	10.0	13,100
1.2	102	2.4	450	3.8	1,290	6.5	4,370	11.0	16,300
1.4	140	2.6	540	4.1	1,500	7.0	5,240	12.0	19,700
1.6	186	2.8	645	4.5	1,830	7.5	6,250		
1.8	240	3.0	760	5.0	2,320	8.0	7,400		
2.0	302	3.2	880	5.5	2,920	9.0	10,100		

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	99	144	305	299	790	790	2,380	5,050	6,920	3,320	912	318
2	94	276	305	289	790	650	2,260	4,530	9,260	2,920	850	338
3	92	223	267	296	790	912	2,700	4,130	11,300	2,550	790	378
4	92	209	258	305	790	850	3,390	4,050	12,500	2,430	730	352
5	92	194	252	1,940	1,220	880	2,790	4,530	11,900	2,320	694	325
6	89	174	237	945	2,440	790	2,430	5,830	11,600	2,260	656	305
7	89	167	234	628	1,960	1,360	3,510	7,160	11,600	2,110	590	292
8	91	167	234	678	2,430	1,580	12,300	6,160	11,300	1,960	555	283
9	94	164	237	1,010	1,580	1,260	6,250	8,700	10,100	1,920	522	267
10	91	162	237	1,080	1,360	1,120	4,370	8,980	9,820	1,830	500	246
11	86	158	226	760	1,220	1,080	3,820	8,430	9,820	1,740	500	237
12	83	153	249	689	1,120	1,180	3,680	7,900	10,100	1,740	540	226
13	82	149	270	575	1,010	1,360	3,680	6,920	9,540	1,740	650	220
14	82	147	1,750	565	978	1,620	4,700	6,250	8,980	1,920	590	218
15	80	164	1,180	1,330	880	1,700	6,250	6,690	7,400	2,160	545	218
16	85	237	650	945	820	1,500	6,040	6,040	6,690	2,380	513	209
17	89	296	536	790	820	1,320	4,530	5,240	6,470	3,780	495	199
18	116	477	477	748	850	1,290	4,050	4,870	6,690	2,860	464	189
19	149	590	426	1,040	978	1,260	4,130	5,630	6,920	2,260	430	181
20	160	500	406	689	1,040	1,150	4,530	7,160	7,160	1,920	402	176
21	140	390	406	650	1,040	1,220	5,240	8,160	6,690	1,660	382	174
22	138	366	394	694	945	1,180	5,240	9,540	6,250	1,460	360	176
23	138	390	374	736	1,010	1,220	5,430	11,000	5,830	1,320	342	181
24	136	378	338	790	1,010	1,780	6,040	11,000	5,430	1,260	328	196
25	132	312	328	880	912	1,430	6,470	9,260	4,700	1,150	315	202
26	126	322	312	850	850	1,430	6,470	9,540	4,530	1,080	318	194
27	122	328	296	820	820	1,540	6,690	9,540	4,530	1,040	446	186
28	120	315	322	790	820	1,660	6,920	10,100	4,370	978	513	179
29	122	296	328	760	-	1,880	7,400	10,100	3,900	912	402	172
30	122	296	280	760	-	2,210	6,470	7,900	3,600	912	370	176
31	126	-	302	748	-	2,380	-	6,040	-	912	338	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,357	160	80	108	6,660
November	8,144	590	144	271	16,150
December	12,416	1,750	226	401	24,630
Calendar year 1934	327,122	4,050	80	896	649,200
January	24,079	1,940	289	777	47,760
February	31,273	2,440	790	1,117	62,030
March	41,782	2,380	790	1,348	82,870
April	150,160	12,300	2,260	5,005	297,800
May	228,430	11,000	4,050	7,369	453,100
June	235,900	12,500	3,600	7,863	467,900
July	58,804	3,780	912	1,897	116,600
August	16,042	912	315	517	31,820
September	7,013	378	172	234	13,910
Water year 1934-35	617,400	12,500	80	2,239	1,621,000

North Fork of Kings River below Meadow Brook, Calif.

Location.- Water-stage recorder, lat. 37°05', long. 118°52', in SE¼ sec. 1, T. 10 S., R. 28 E., half a mile below Meadow Brook and half a mile above Fleming Creek. Altitude, about 8,150 feet.

Drainage area.- 35.3 square miles.

Records available.- October 1921 to September 1935 (discontinued).

Extremes.- Maximum discharge during year, 1,200 second-feet June 3 (gage height, 5.05 feet); minimum recorded, 0.8 second-foot Oct. 11-14.
1921-35: Maximum discharge, that of June 3, 1935; minimum recorded, 0.3 second-foot part of Sept. 12-14, 1924.

Remarks.- Records good. No record during ice period, Dec. 22 to Apr. 2. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet. Shifting-control method used Oct. 1-19)

1.4	0.4	2.2	22	3.0	116	3.8	340	4.6	805
1.6	1.4	2.4	37	3.2	160	4.0	424	4.8	970
1.8	4.1	2.6	57	3.4	212	4.2	520	5.0	1,150
2.0	11	2.8	83	3.6	270	4.4	650		

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	1.0	14	14				-	116	386	165	20	7.5
2	.9	13	11				-	107	564	133	18	8
3	.9	10	11				37	103	742	139	17	7
4	.9	9.5	10				45	120	753	124	15	5.5
5	.9	9.5	10				41	181	702	116	14	5
6	.9	9	9				38	258	682	107	12	4.6
7	1.0	8.5	8.5				40	312	670	94	12	3.9
8	1.0	8	8.5				35	348	609	84	10	3.5
9	.9	7.5	8.5				41	364	550	79	9.5	3.4
10	.9	7	8.5				46	340	558	73	9	3.0
11	.8	6.5	9.5				42	304	568	67	10	2.7
12	.8	6.5	12				47	273	582	70	16	2.7
13	.8	5.5	16				48	234	542	78	14	2.6
14	.8	5.5	18				64	226	475	95	14	2.6
15	1.0	6.5	21				64	234	384	116	12	2.5
16	1.1	11	21				56	190	372	206	11	2.4
17	1.3	12	18				55	158	400	151	10	2.4
18	2.6	9.5	16				62	165	426	103	9	2.3
19	3.7	15	14				78	241	444	83	8	2.2
20	5.5	22	10				103	308	433	67	7	2.1
21	4.4	22	10				131	390	402	53	6.5	2.0
22	3.9	22	-				144	504	376	43	6.5	1.9
23	3.7	20	-				176	540	344	38	5.5	1.8
24	3.7	16	-				198	480	304	35	5	1.8
25	3.5	16	-				220	411	277	33	5.5	1.7
26	3.5	17	-				226	411	280	31	43	1.7
27	3.7	16	-				232	468	270	26	28	1.6
28	3.7	14	-				240	488	232	23	13	1.6
29	3.7	16	-				201	406	209	21	10	1.5
30	3.5	16	-				146	273	188	20	8.5	1.5
31	4.4	-	-				-	249	-	20	7.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	69.4	5.5	0.8	2.24	138
November	371.0	22	5.5	12.4	736
December 1-21	264.5	-	-	12.6	525
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 3-30	2,855	-	-	102	5,660
May	9,202	540	103	297	18,260
June	13,724	753	188	457	27,220
July	2,493	206	20	80.4	4,940
August	386.5	43	5	12.5	767
September	93.0	8	1.5	3.10	184
Water year					

North Fork of Kings River near Cliff Camp, Calif.

Location.- Water-stage recorder, lat. 37°, long. 118°59', in NW¼ sec. 12, T. 11 S., R. 27 E., at Cliff Camp Bridge, 1 mile northwest of Cliff Camp, and 2.3 miles below Woodchuck Creek. Altitude, about 6,150 feet.

Drainage area.- 174 square miles.

Records available.- November 1922 to September 1935; August 1921 to November 1922 at site 1 mile upstream.

Average discharge.- 13 years (1921-32, 1933-35), 306 second-feet.

Extremes.- Maximum discharge during year, 4,500 second-feet June 3 (gage height, 11.85 feet); minimum, 3.4 second-feet Oct. 13.
1921-35: Maximum discharge, 6,030 second-feet June 4, 1922 (gage height, 10.6 feet, former site and datum); minimum, 0.6 second-foot Dec. 30, 1930.

Remarks.- Records good except those for Feb. 25, Sept. 20-22, which were estimated. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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

1.8	0.5	3.0	17	4.4	185	7.0	1,020	10.0	2,850
2.0	1.0	3.2	28	4.8	264	7.5	1,245	11.0	3,730
2.2	2.2	3.4	45	5.2	365	8.0	1,480	12.0	4,700
2.4	3.8	3.6	67	5.6	490	8.5	1,770		
2.6	6.4	3.8	91	6.0	630	9.0	2,100		
2.8	10.6	4.0	118	6.5	820	9.5	2,450		

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	4.9	36	36	35	110	100	443	780	2,100	371	45	18
2	4.8	27	29	35	112	103	407	740	2,770	316	41	19
3	4.5	18	27	34	108	98	443	740	3,280	314	38	17
4	4.4	16	25	48	136	95	377	960	3,190	304	34	16
5	4.3	15	22	58	206	91	345	1,380	3,010	260	33	15
6	4.3	15	22	56	210	91	327	1,960	2,850	236	31	14
7	4.5	13	20	62	145	78	518	2,240	2,770	212	28	13
8	4.8	13	21	66	133	83	690	2,380	2,530	191	26	13
9	4.3	12	22	67	117	91	319	2,450	2,240	178	24	12
10	4.0	11	22	71	111	98	324	2,380	2,240	162	23	11
11	3.7	11	23	71	103	107	365	2,240	2,240	150	22	10
12	3.6	11	27	65	95	133	452	1,960	2,170	142	33	10
13	3.6	10	75	64	95	187	546	1,650	1,960	143	40	10
14	3.6	10	89	60	91	231	880	1,590	1,770	164	33	9.5
15	3.8	20	71	62	84	232	780	1,710	1,430	198	27	10
16	4.3	31	67	69	90	191	525	1,380	1,340	812	26	10
17	6	38	63	73	103	171	472	1,200	1,380	465	23	9
18	17	40	56	73	136	162	525	1,340	1,380	240	21	8.5
19	15	40	52	74	169	140	682	1,890	1,380	183	20	8
20	13	49	54	73	165	122	900	2,240	1,340	150	18	8
21	13	53	56	74	145	114	1,110	2,610	1,180	124	17	8
22	11	54	52	73	147	120	1,110	3,010	1,060	105	16	8
23	10	47	43	72	147	120	1,290	3,100	960	94	15	14
24	9	34	42	79	121	122	1,480	2,770	800	85	14	13
25	9	40	37	91	115	133	1,590	2,450	700	77	14	11
26	8.5	40	34	90	107	171	1,650	2,450	665	71	59	9.5
27	8	37	31	86	104	215	1,710	2,690	630	65	89	9
28	7.5	32	32	87	104	276	1,710	2,690	542	56	33	8.5
29	7.5	34	32	94	-	362	1,590	2,310	472	48	24	8
30	7.5	38	39	98	-	455	1,020	1,650	419	47	21	9
31	12	-	37	103	-	455	-	1,430	-	45	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	221.4	17	3.6	7.14	439
November	844	54	10	28.1	1,670
December	1,258	89	20	40.6	2,500
Calendar year 1934	55,091.6	1,020	2.7	151	109,300
January	2,162	103	34	69.7	4,290
February	3,509	210	84	125	6,960
March	5,147	455	78	166	10,210
April	24,580	1,710	319	819	48,750
May	60,370	3,100	740	1,947	119,700
June	50,798	3,280	419	1,693	100,800
July	6,008	812	45	194	11,920
August	906	89	14	29.2	1,800
September	339.0	19	8	11.3	672
Water year 1934-35	156,142.4	3,280	3.6	428	309,700

North Fork of Kings River below Rancheria Creek, Calif.

Location.- Water-stage recorder, lat. 36°56', long. 119°, in SE¼ sec. 34, T. 11 S., R. 27 E., just above backwater from forebay of Balch power house and 1 mile below Rancheria Creek. Altitude, about 3,400 feet.

Drainage area.- 225 square miles.

Records available.- March 1927 to September 1935.

Extremes.- Maximum discharge during year, 5,260 second-feet June 3 (gage height, 11.90 feet); minimum, 7.5 second-feet Oct. 12-14.
1927-35: Maximum discharge, 5,910 second-feet May 16, 1927 (gage height, 12.6 feet); minimum, 5 second-feet Aug. 29, 1931.

Remarks.- Records good. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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

0.8	5.0	2.0	28	3.4	113	6.0	590	9.0	2,500
1.0	7.5	2.2	36	3.8	152	6.5	802	10.0	3,400
1.2	10.5	2.4	45	4.2	202	7.0	1,060	11.0	4,360
1.4	14	2.6	55	4.6	264	7.5	1,360	12.0	5,360
1.6	18	2.8	67	5.0	338	8.0	1,700		
1.8	22	3.0	81	5.5	442	8.5	2,080		

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	51	44	46	150	141	590	1,090	2,320	466	61	28
2	8.5	33	35	46	155	144	556	1,000	3,130	409	58	28
3	8	26	33	43	150	136	755	1,000	3,760	398	54	27
4	8	22	31	75	205	134	573	1,180	3,670	409	52	25
5	8	21	27	101	318	129	509	1,600	3,400	338	49	24
6	8	20	28	73	368	127	466	2,160	3,220	318	46	22
7	8.5	19	26	79	232	114	533	2,590	3,130	282	43	22
8	8.5	18	28	83	210	111	1,520	2,680	2,770	256	40	21
9	8	17	27	94	182	127	590	2,860	2,590	232	37	20
10	8	17	27	83	167	134	540	2,770	2,500	210	36	20
11	8	16	28	85	154	147	573	2,590	2,500	188	35	19
12	7.5	16	32	80	140	182	668	2,320	2,410	182	38	18
13	7.5	15	121	79	138	273	795	1,960	2,160	182	50	18
14	7.5	15	235	75	131	328	1,210	1,840	1,920	195	46	18
15	8	22	105	72	119	338	1,240	2,000	1,560	217	40	18
16	8	50	89	75	126	273	850	1,660	1,460	776	38	18
17	10	57	78	82	141	240	735	1,420	1,490	610	35	17
18	20	75	68	81	188	224	758	1,560	1,490	309	33	17
19	24	73	63	80	232	195	925	2,160	1,490	232	31	16
20	18	59	65	80	232	171	1,150	2,500	1,420	188	29	16
21	18	63	66	82	202	165	1,360	2,950	1,300	160	27	16
22	17	66	64	86	202	164	1,360	3,400	1,180	138	26	16
23	15	63	52	96	210	173	1,520	3,580	1,090	121	25	18
24	14	42	52	110	170	170	1,700	3,220	950	110	24	22
25	14	48	48	122	145	188	1,800	2,860	850	100	24	20
26	13	48	44	127	145	232	1,920	2,860	802	93	27	18
27	13	46	44	121	144	300	1,960	3,040	780	84	136	17
28	12	39	46	123	146	378	1,960	3,130	668	77	52	17
29	12	40	40	132	-	480	1,920	2,680	609	69	39	16
30	12	44	50	138	-	590	1,330	1,880	524	65	33	16
31	15	-	47	144	-	609	-	1,660	-	63	29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	356.0	24	7.5	11.5	706
November	1,141	75	15	38.0	2,260
December	1,743	235	26	56.2	3,460
Calendar year 1934	65,719.5	1,070	5.5	180	130,400
January	2,793	144	43	90.1	5,540
February	5,102	368	119	182	10,120
March	7,117	609	111	230	14,120
April	32,666	1,960	466	1,089	64,790
May	70,200	3,580	1,000	2,265	139,200
June	57,143	3,760	524	1,905	113,300
July	7,477	776	63	241	14,830
August	1,293	136	24	41.7	2,660
September	588	28	16	19.6	1,170
Water year 1934-35	187,619.0	3,760	7.5	514	372,100

Helms Creek at Sand Meadow, Calif.

Location.- Water-stage recorder, lat. 37°6', long. 118°58', in NE¼ sec. 1, T. 10 S., R. 27 E., at lower end of Sand Meadow, half a mile below crossing of trail from Deer Meadow to Long Meadow, and 4 miles above mouth. Altitude, about 8,000 feet.

Drainage area.- 34.1 square miles.

Records available.- October 1922 to September 1935 (discontinued).

Extremes.- Maximum discharge during year, 1,050 second-feet May 22 (gage height, 5.43 feet); minimum recorded, 1.2 second-feet Nov. 14.
1922-35: Maximum discharge, 1,140 second-feet May 16, 1927 (gage height, 5.58 feet); minimum, 1.1 second-feet Aug. 1, 27, 1924, Oct. 30, 1932.

Remarks.- Records good except those estimated Nov. 8-14, May 1, July 4-8, Sept. 22-29. No record Oct. 19 to Nov. 7, Nov. 15 to May 1. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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

1.7	0.8	2.4	21	3.2	98	4.6	580
1.8	2.2	2.5	26	3.4	141	4.8	680
1.9	4.2	2.6	32	3.6	195	5.0	780
2.0	6.7	2.7	38	3.8	260	5.2	900
2.1	9.7	2.8	45	4.0	330	5.4	1,020
2.2	13	2.9	54	4.2	410	5.7	1,200
2.3	17	3.0	66	4.4	490	6.0	1,380

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	1.9	-						150	456	41	5	4.4
2	1.9	-						141	590	38	4.7	4.2
3	1.9	-						157	650	40	4.2	3.4
4	1.9	-						213	610	35	4.0	3.2
5	1.9	-						334	545	32	4.0	3.2
6	1.9	-						446	514	28	3.8	3.2
7	2.2	-						510	494	24	3.8	3.2
8	2.1	2.3						560	422	22	3.6	3.2
9	1.9	2.3						570	378	21	3.8	3.0
10	1.9	2.3						535	366	19	3.8	3.0
11	1.9	2.3						530	358	17	4.0	3.0
12	1.9	2.3						462	320	17	6	3.0
13	1.9	2.3						386	281	16	6	2.8
14	1.9	2.3						382	232	16	4.7	3.0
15	2.1	-						426	189	26	4.4	3.0
16	2.2	-						354	178	39	4.2	2.8
17	2.8	-						316	178	26	4.0	2.6
18	4.0	-						394	170	19	4.0	2.6
19	-	-						522	167	15	3.8	2.6
20	-	-						575	144	13	3.6	2.6
21	-	-						660	127	11	3.8	2.8
22	-	-						735	112	10	3.6	2.8
23	-	-						705	100	9.5	3.6	2.8
24	-	-						620	83	8.5	3.6	2.8
25	-	-						560	74	8	3.8	2.8
26	-	-						585	68	7.5	16	2.8
27	-	-						625	64	7	10	2.8
28	-	-						600	56	6.5	5	2.8
29	-	-						482	50	6	4.2	3.0
30	-	-						346	48	5.5	4.0	5.5
31	-	-						326	-	5	4.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-18	38.2	-	-	2.12	76
November 8-14	16.1	-	-	2.30	32
December	-	-	-	-	-
Calendar year 1934					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	14,207	735	141	458	28,180
June	8,026	650	48	268	15,920
July	588.5	41	5	19.0	1,170
August	147.9	16	3.6	4.77	293
September	92.9	5.5	2.6	3.10	184
Water year 1934-35					

Rancheria Creek near Smith Meadow, Calif.

Location.- Water-stage recorder, lat. 36°57', long. 118°58', in SW¼ sec. 19, T. 11 S., R. 28 E., half a mile below North Fork of Rancheria Creek and half a mile north of Smith Meadow. Altitude, about 6,400 feet.

Drainage area.- 21.9 square miles.

Records available.- October 1924 to September 1935 (discontinued).

Extremes.- Maximum discharge during year, 480 second-feet June 3 (gage height, 5.41 feet); minimum recorded, 3.2 second-feet Oct. 11.
1924-35: Maximum discharge, that of June 3, 1935; practically no flow part of Nov. 25, 26, 27, 1924.

Remarks.- Records fair. Discharge estimated Nov. 21-30, May 26, Aug. 30, 31; not computed Dec. 1 to Apr. 30, either on account of ice or clock being stopped. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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	3.7	8.5						81	272	39	9	6
2	3.7	7						74	328	36	9	6
3	3.5	5						76	366	35	8.5	6
4	3.5	4.6						88	376	31	9	6
5	3.5	4.6						120	366	27	8.5	6
6	3.5	4.4						159	356	26	8.5	5.5
7	3.7	4.1						187	347	23	8	5.5
8	3.5	4.1						205	309	22	8	5.5
9	3.5	4.1						214	283	20	8	5.5
10	3.4	4.1						222	276	19	8	5.5
11	3.4	4.1						231	272	16	8	5.5
12	3.5	4.1						218	261	15	8	5.5
13	3.5	4.1						196	240	15	8	5.5
14	3.7	4.1						200	209	14	7.5	5.5
15	3.7	4.1						198	173	14	7.5	5.5
16	3.9	7.5						169	159	46	7.5	5
17	4.8	6.5						142	152	27	7.5	5
18	6	5						157	144	17	7.5	5
19	5	6						209	138	14	7.5	5
20	5	6						245	123	13	7.5	5
21	4.8	6						276	110	13	7	5.5
22	4.8	6.5						318	99	12	7	5.5
23	4.6	6						338	89	12	7	5.5
24	4.4	6						301	79	11	7	5.5
25	4.1	5.5						292	66	11	7.5	5.5
26	4.1	5.5						310	62	11	8.5	5
27	4.1	5.5						328	57	11	8.5	5
28	3.9	5						318	52	10	7.5	5
29	3.9	5						277	48	9.5	6.5	5
30	3.9	5						223	42	9.5	6	5
31	3.9	-						216	-	9.5	5.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	124.5	6	3.4	4.02	247
November	168.0	8.5	4.1	5.27	313
December	-	-	-	-	-
Calendar year 1934					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	6,588	338	74	213	13,070
June	5,854	376	42	195	11,610
July	588.5	46	9.5	19.0	1,170
August	239.0	9	5.5	7.71	474
September	162.5	6	5	5.42	322
Water year 1934-35					

Dinkey Creek at Dinkey Meadow, Calif.

Location.- Water-stage recorder, lat. 37°03', long. 119°09', in NW¼ sec. 21, T. 10 S., R. 26 E., at lower end of Dinkey Meadow, half a mile above Bear Creek and 11 miles above mouth of stream. Altitude about 5,440 feet.

Drainage area.- 50.8 square miles.

Records available.- October 1921 to September 1935 (discontinued. September 1910 to September 1915, fragmentary records at site 1 mile upstream; gage heights only after September 1930.

Average discharge.- 11 years (1922-31, 1933-35), 78.1 second-feet.

Extremes.- Maximum discharge during year, 1,480 second-feet Apr. 8 (gage height, 6.15 feet); minimum recorded, 0.6 second-foot Oct. 12.
1921-35: Maximum discharge, 2,660 second-feet Nov. 28, 1927 (gage height, 7.62 feet); minimum recorded, 0.2 second-foot Aug. 24-30, 1931, Sept. 7-9, 1934.

Remarks.- Records good except those estimated, Jan. 11, 12, Jan. 15 to Feb. 4, Aug. 23 to Sept. 21. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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

0.4	0.1	0.8	1.5	1.4	14.5	2.2	59	3.0	155	4.6	560	6.5	1,740
.5	.2	.9	2.5	1.6	22	2.4	80	3.4	228	5.0	745	7.0	2,140
.6	.4	1.0	4.0	1.8	31	2.6	102	3.8	320	5.5	1,030	7.5	2,570
.7	.8	1.2	8.5	2.0	44	2.8	127	4.2	430	6.0	1,370	8.0	3,020

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	0.9	23	19	24	70	60	207	355	542	82	11	3.5
2	.8	6	15	24	80	59	185	318	721	77	10	3.2
3	.8	3.0	13	33	80	57	297	322	822	72	9.5	3.0
4	.8	2.4	13	58	120	54	228	385	822	65	9	3.0
5	.8	2.2	11	58	238	54	189	593	745	59	8	2.8
6	.8	2.1	10	56	211	52	180	727	720	56	8	2.8
7	.9	1.9	9.5	51	123	53	368	767	695	51	7	2.8
8	1.1	1.8	9	45	98	74	736	827	600	49	7	2.8
9	1.0	1.7	10	42	82	67	272	830	525	45	6.5	2.6
10	.9	1.6	11	45	74	64	218	823	508	42	6	2.6
11	.8	1.6	13	44	70	58	230	795	508	38	6	2.6
12	.7	1.5	21	44	63	78	257	645	475	35	5.5	2.4
13	.7	1.5	98	44	59	110	270	542	430	32	5	2.4
14	.8	1.5	161	40	57	127	490	560	362	31	4.8	2.4
15	.8	25	61	50	53	124	564	560	308	30	4.8	2.4
16	.9	27	45	50	56	100	320	490	280	29	5	2.2
17	2.6	26	37	45	67	90	270	400	272	28	4.8	2.2
18	e	25	33	40	90	89	292	455	272	26	4.8	2.2
19	3.8	24	30	40	106	77	342	648	268	24	4.4	2.0
20	2.2	20	36	35	100	67	415	695	247	22	4.0	2.0
21	2.0	20	32	40	90	63	490	822	218	21	4.0	2.0
22	1.8	21	32	40	91	66	475	880	194	20	3.7	1.9
23	1.7	20	24	45	92	63	525	910	173	18	3.5	1.8
24	1.6	16	24	45	76	66	580	770	151	17	3.5	1.7
25	1.4	16	22	50	66	73	600	670	135	16	3.5	1.7
26	1.4	18	20	55	64	91	622	782	123	15	4.0	1.6
27	1.3	17	17	55	63	111	645	822	117	14	4.5	1.5
28	1.2	16	20	55	64	138	645	745	108	13	6	1.6
29	1.2	16	18	60	-	173	720	622	100	12	4.5	1.5
30	1.2	19	22	60	-	211	460	475	90	12	3.8	1.5
31	7	-	22	65	-	211	-	415	-	11	3.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	51.9	8	0.7	1.67	103
November	377.8	27	1.5	12.6	749
December	908.5	161	9	29.3	1,800
Calendar year 1934	17,511.8	220	.3	48.0	34,700
January	1,438	65	24	46.4	2,850
February	2,503	238	53	89.4	4,960
March	2,780	211	52	89.7	5,510
April	12,092	736	180	403	23,980
May	19,670	910	318	635	39,010
June	11,531	822	90	384	22,870
July	1,062	82	11	34.3	2,110
August	175.6	11	3.5	5.66	348
September	68.7	3.5	1.5	2.29	136
Water year 1934-35	52,658.5	910	.7	144	104,400

Dinkey Creek at mouth, Calif.

Location.- Water-stage recorder, lat. 36°55', long. 119°8', in sec. 3, T. 12 S., R. 26 E. (unsurveyed), half a mile above mouth. Altitude, about 1,310 feet.

Drainage area.- 136 square miles.

Records available.- January 1920 to September 1935 (discontinued).

Average discharge.- 14 years (1921-35), 167 second-feet.

Extremes.- Maximum discharge during year, 2,460 second-feet Apr. 8 (gage height, 9.94 feet); minimum recorded, 2.3 second-feet Oct. 3-5, 13-15.
1920-35: Maximum discharge, 3,360 second-feet Nov. 9, 1924 (gage height, 10.57 feet); minimum, 0.9 second-foot Aug. 26-30, 1931.

Remarks.- Records good. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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

3.0	0.7	4.4	52	5.8	252	7.4	800
3.2	1.6	4.6	69	6.0	298	7.8	1,000
3.4	4.4	4.8	88	6.2	352	8.2	1,220
3.6	9	5.0	111	6.4	414	8.6	1,460
3.8	16	5.2	138	6.6	480	9.0	1,740
4.0	26	5.4	172	6.8	550	9.5	2,130
4.2	38	5.6	210	7.0	630	10.0	2,550

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	2.5	39	31	32	104	106	361	670	900	146	27	11
2	2.5	22	27	34	112	112	335	630	1,080	138	26	10
3	2.3	12	23	31	109	107	505	610	1,220	134	24	10
4	2.3	9	21	47	167	106	446	690	1,220	125	24	9.5
5	2.3	8	20	144	338	101	364	875	1,130	116	23	9
6	2.4	7	18	74	436	98	327	1,080	1,080	111	22	9
7	2.6	6.5	16	66	252	118	572	1,190	1,050	105	22	9
8	3.0	6.5	17	71	218	111	1,680	1,250	925	99	20	9
9	3.0	6	17	95	168	109	690	1,280	850	95	20	9
10	2.8	5.5	18	76	146	104	498	1,250	800	86	18	8
11	2.5	5.5	20	66	132	109	480	1,250	775	81	18	8
12	2.4	5.5	26	56	118	132	515	1,130	730	74	17	8
13	2.3	5.5	117	54	114	196	515	1,000	650	71	16	8
14	2.3	5	361	54	105	237	775	975	570	66	16	8
15	2.3	9	127	73	94	241	1,130	1,000	498	66	15	8
16	2.5	69	84	60	99	200	730	900	446	63	15	8
17	3.0	56	65	64	106	167	590	750	433	60	16	8
18	11	69	56	62	138	168	570	750	414	54	15	8
19	15	65	51	54	176	151	650	1,000	404	51	14	7
20	9.5	42	51	52	176	130	730	1,130	373	49	14	7
21	7	34	52	59	148	131	850	1,250	332	47	13	7
22	6.5	37	51	60	151	130	825	1,340	306	45	12	7
23	6	37	41	64	163	144	875	1,370	279	43	11	7
24	5.5	28	41	70	130	141	950	1,250	250	41	11	7
25	5.5	28	37	80	112	141	975	1,100	228	38	11	7
26	5	30	34	87	111	168	1,020	1,190	208	36	13	7
27	4.8	30	34	83	109	204	1,020	1,250	198	35	14	7
28	4.6	27	38	77	111	245	1,080	1,190	185	33	17	7
29	4.4	25	31	85	-	293	1,190	1,080	170	31	14	7
30	4.4	28	37	92	-	364	825	875	156	30	12	7
31	4.8	-	33	100	-	467	-	730	-	28	11	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	137.0	15	2.3	4.42	272
November	757.0	69	5	25.2	1,500
December	1,595	361	16	51.5	3,160
Calendar year 1934	29,406.7	498	1.4	80.6	58,320
January	2,122	144	31	68.5	4,210
February	4,343	436	94	155	8,610
March	5,131	367	98	166	10,180
April	22,073	1,680	327	736	43,780
May	32,035	1,370	610	1,033	63,540
June	17,860	1,220	156	595	35,420
July	2,197	146	28	70.9	4,360
August	521	27	11	16.8	1,030
September	241.5	11	7	8.05	479
Water year 1934-35	89,012.5	1,680	2.3	244	176,500

Deer Creek below East Fork, Calif.

Location.- Water-stage recorder, lat. 37°, long. 119°04', in NE¼ sec. 6, T. 11 S., R. 27 E., 100 feet above proposed dam and about 200 feet below East Fork. Altitude, about 6,700 feet.

Drainage area.- 21.1 square miles.

Records available.- October 1923 to September 1935 (discontinued).

Extremes.- Maximum discharge during year, 458 second-feet June 3 (gage height, 6.26 feet); minimum recorded, 0.2 second-foot Oct. 1-6.
1923-35: Maximum discharge, 860 second-feet May 16, 1932 (gage height, 7.02 feet); minimum, 0.1 second-foot Aug. 9-11, 1931, Sept. 2-8, 1934.

Remarks.- Records good. Discharge estimated Aug. 24-30. No record during ice period, Nov. 21 to May 5. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet. Shifting-control method used May 6-9, June 2-18)

3.9	0	4.6	53	5.3	193	6.0	410
4.0	.9	4.7	67	5.4	220	6.2	490
4.1	4.5	4.8	83	5.5	250	6.4	580
4.2	11	4.9	102	5.6	280	6.6	670
4.3	19	5.0	122	5.7	310	6.8	760
4.4	29	5.1	145	5.8	340	7.0	860
4.5	40	5.2	168	5.9	375		

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	3.0						-	212	23	5	2.5
2	.2	1.3						-	259	22	4.5	2.5
3	.2	.7						-	280	21	4.5	2.5
4	.2	.6						-	238	19	4.5	2.5
5	.2	.5						-	209	17	4.0	2.5
6	.2	.5						201	201	17	4.0	2.5
7	.3	.4						244	188	16	3.5	2.5
8	.3	.5						265	156	15	3.5	2.5
9	.3	.5						267	145	14	3.0	2.5
10	.3	.5						283	140	13	3.0	2.5
11	.3	.5						277	136	13	2.5	2.5
12	.3	.5						232	122	11	2.5	2.5
13	.3	.5						201	112	10	2.0	2.0
14	.3	.5						206	96	9.5	2.0	2.0
15	.4	3.7						204	85	9.5	2.0	2.0
16	.4	4.5						173	80	9	2.0	1.7
17	.6	6						143	75	9	2.0	1.5
18	1.3	5						166	72	8.5	2.0	1.5
19	.9	6.5						232	67	8.5	2.0	1.5
20	.7	6						259	60	8.5	2.0	1.3
21	.6	-						295	53	8	2.0	1.5
22	.5	-						313	46	8	2.0	1.5
23	.5	-						322	43	8	2.0	1.5
24	.4	-						274	38	8	2	1.5
25	.4	-						259	34	7	2	1.7
26	.4	-						286	31	7	2	1.7
27	.4	-						292	29	6.5	2	1.5
28	.3	-						277	27	6.5	2	1.5
29	.3	-						209	25	6	2	1.5
30	.3	-						166	23	6	2	1.7
31	2.1	-						161	-	6	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14.1	2.1	0.2	0.45	28
November 1-20	42.2	-	-	2.11	84
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May 6-31	6,207	-	-	239	12,310
June	3,282	280	23	109	6,510
July	350.5	23	6	11.3	695
August	82.5	5	2	2.66	164
September	59.1	2.5	1.3	1.97	117
Water year					

Los Gatos Creek near Coalinga, Calif.

Location.- Water-stage recorder, lat. 36°13', long. 120°27', in SW¼ sec. 4, T. 20 S., R. 14 E., at mouth of canyon, 3 miles below Diaz Creek and 7⅞ miles northwest of Coalinga. Altitude, about 1,000 feet.

Drainage area.- 105 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 250 second-feet Nov. 15 (gage height, 2.45 feet); no flow during parts of October and November.
1931-35: Maximum discharge, about 1,050 second-feet Dec. 28, 1931 (gage height, 4.66 feet, present datum); no flow for parts of each year.

Remarks.- Records fair. Discharge estimated Oct. 18-23, Nov. 16-17, Nov. 19 to Dec. 27, Jan. 6-8, 10-13, Jan. 31 to Feb. 3, Feb. 8-24, Mar. 9 to Apr. 7, Apr. 17-25, May 20 to Aug. 31. No diversions or regulation 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	0	0.1	0.2	0.7	0.2	2.4	2.0	0.1	0.1	0.1	
2	0	0	.1	.2	.6	.5	2.1	1.5	.1	.1	.1	
3	0	0	.1	.2	.5	.6	1.8	.8	.1	.1	.1	
4	0	0	.1	16	1.2	.2	1.5	.5	.1	.1	.1	
5	0	0	.1	51	1.2	.2	1.2	.3	.1	.1	.1	
6	0	0	.1	5	5	.2	1.0	.2	.1	.1	.1	
7	0	0	.1	1.0	4.9	26	.8	.2	.1	.1	.1	
8	0	0	.1	.5	4.0	4.2	93	.1	.1	.1	.1	
9	0	0	.1	49	3.5	3.5	32	.1	.1	.1	.1	
10	0	0	.1	35	3.0	3.0	14	.1	.1	.1	.1	
11	0	0	.1	5	2.5	2.6	12	.1	.1	.1	.1	
12	0	0	.1	3.0	2.2	2.2	8	.1	.1	.1	.1	
13	0	0	.1	1.0	2.0	1.8	7	.1	.1	.1	.1	
14	0	0	5	17	1.8	1.5	6	.1	.1	.1	.1	
15	0	7.5	1.0	79	1.6	1.2	8	.1	.1	.1	.1	
16	0	2.5	.5	9	1.4	1.0	7.5	.2	.1	.1	.1	
17	0	1.0	.2	5	1.2	.8	6	.6	.1	.1	.1	
18	5	26	.1	3.0	1.0	.6	5	.5	.1	.1	.1	
19	.5	16	.1	2.5	.8	.4	4.5	.2	.1	.1	.1	
20	.2	1.5	.1	2.4	.6	.5	4.0	.1	.1	.1	.1	
21	.1	1.0	.1	2.2	.5	.4	3.5	.1	.1	.1	.1	
22	.1	.8	.1	2.2	.4	.4	3.0	.1	.1	.1	.1	
23	.1	.5	.1	2.0	.3	3.0	2.5	.1	.1	.1	.1	
24	0	.3	.1	2.0	.2	6	2.0	.1	.1	.1	.1	
25	0	.2	.1	1.7	.2	5	1.6	.1	.1	.1	.1	
26	0	.2	.1	1.4	.2	4.5	1.3	.1	.1	.1	.1	
27	0	.1	.1	1.3	.2	4.0	.8	.1	.1	.1	.1	
28	0	.1	.6	1.2	.2	3.6	1.0	.1	.1	.1	.1	
29	0	.1	.3	1.1	-	3.2	1.8	.1	.1	.1	.1	
30	0	.1	.2	.9	-	3.0	2.2	.1	.1	.1	.1	
31	0	-	.2	.8	-	2.7	-	.1	-	.1	.1	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.0	5	0	0.19	12
November	57.9	26	0	1.93	115
December	10.3	5	.1	.33	20
Calendar year 1934	269.65	75	0	.739	534
January	301.8	79	.2	9.74	599
February	41.9	5	.2	1.50	83
March	87.0	26	.2	2.81	173
April	237.5	93	.8	7.92	471
May	9.0	2.0	.1	.29	18
June	3.0	.1	.1	.1	6.0
July	3.1	.1	.1	.1	6.1
August	3.1	.1	.1	.1	6.1
September	3.0	-	-	.1	6.0
Water year 1934-35	763.6	93	0	2.09	1,520

Note.- No record during September; mean estimated, 0.1 second-foot.

SAN JOAQUIN RIVER AND TRIBUTARIES ABOVE FRESNO RIVER

Florence Lake near Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°17', long. 118°58', in SE¼ sec. 36, T. 7 S., R. 27 E., in gatehouse of Florence Lake Tunnel, 16 miles northeast of Big Creek.

Records available.- November 1925 to September 1935.

Remarks.- Florence Lake on South Fork of San Joaquin River is one of main storage units of Big Creek system of Southern California Edison Co., Ltd. Elevation of crest of dam is 7,329 feet above mean sea level. Released water flows through Florence Lake Tunnel into Huntington Lake. Table, furnished by Southern California Edison Co., Ltd., shows contents available for release.

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	120	94	92	96	150	132	310	651	11,575	65,110	64,300	53,369
2	115	89	89	95	152	132	295	605	13,243	64,955	64,271	52,797
3	111	89	89	93	147	137	283	580	16,096	64,830	64,137	52,202
4	110	89	85	96	155	136	283	606	20,492	64,753	63,964	51,557
5	108	89	86	99	179	130	281	732	24,432	64,782	63,772	50,860
6	108	86	84	109	183	134	287	924	28,258	64,705	63,561	50,345
7	109	85	93	124	174	111	369	1,093	31,966	64,550	63,302	50,469
8	107	82	90	130	167	142	344	1,452	35,578	64,425	62,996	50,629
9	105	81	87	126	161	151	392	1,719	38,918	64,262	62,672	50,122
10	105	81	84	132	156	158	443	1,693	42,346	64,271	62,357	49,239
11	102	79	84	138	152	165	432	1,669	45,967	64,329	62,052	48,363
12	103	77	85	132	147	187	509	1,624	49,716	64,348	61,814	47,492
13	100	78	104	129	142	219	656	1,524	53,315	64,387	61,482	46,619
14	98	74	123	125	140	234	881	1,394	55,750	64,849	61,093	45,736
15	98	86	113	123	144	211	776	1,402	57,182	65,265	60,687	44,867
16	100	89	113	137	142	191	651	1,276	58,477	65,700	60,252	43,995
17	103	93	105	144	146	178	609	1,188	59,979	65,023	59,791	43,122
18	105	96	102	143	160	168	614	1,337	61,501	65,149	59,302	42,246
19	109	107	105	137	176	159	684	1,673	63,044	64,897	58,796	41,393
20	114	111	102	145	173	156	776	2,262	63,983	64,618	58,290	40,538
21	115	115	99	146	164	140	815	3,210	64,185	64,329	57,778	39,688
22	108	113	93	142	160	165	815	4,346	65,429	64,252	57,247	38,805
23	83	105	91	139	159	156	867	5,554	64,859	64,214	56,719	37,896
24	78	98	94	140	146	164	872	6,348	64,965	64,166	56,174	36,986
25	77	107	88	144	148	179	869	6,891	64,695	64,127	55,657	36,059
26	76	103	87	144	147	198	880	7,759	64,888	64,098	55,207	35,123
27	82	101	84	139	142	228	892	8,866	64,926	64,002	54,950	34,186
28	107	101	81	139	136	270	923	10,002	65,110	63,964	54,867	33,249
29	97	99	84	142	-	314	876	10,656	64,839	63,983	54,766	32,296
30	82	97	97	146	-	326	738	10,937	65,255	64,137	54,409	31,327
31	89	-	97	149	-	314	-	10,872	-	64,271	53,915	-

Note.- Contents on Sept. 30, 1934, was 120 acre-feet.

South Fork of San Joaquin River near Florence Lake, Calif.

Location.- Water-stage recorder, lat. 37°16'20", long. 118°57'50", in SE¼ sec. 36, T. 7 S., R. 27 E., just below spillway of Florence Lake Dam and 6 miles above mouth of Bear Creek. Altitude, about 7,200 feet.

Drainage area.- 171 square miles.

Records available.- December 1921 to September 1935.

Average discharge.- Combined flow of South Fork of San Joaquin River and Florence Lake Tunnel at intake, 13 years (1922-35), 239 second-feet.

Extremes.- Maximum discharge during year, 2,690 second-feet June 22 (gage height, 14.0 feet); no flow May 19 to June 2.
1921-35: Maximum discharge, 3,460 second-feet June 4, 1922 (gage height, 13.75 feet); practically no flow Aug. 30, Sept. 2-7, 1924, Dec. 16, 17, 1925, May 19 to June 3, 1935.

Remarks.- Records good except those estimated, Mar. 1-18, June 2-8. Storage and diversion above station (see records for Florence Lake and Florence Lake Tunnel at intake). Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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	0.3	0.7	0.7	0.3	0.3	0.2	1.1	0.1	0	322	2.6	1.1
2	.3	.7	.9	.2	.3	.2	.9	.1	0	187	2.9	1.1
3	.3	.5	.9	.2	.3	.2	.5	.1	0	138	2.6	.7
4	.5	.5	.9	.3	.5	.2	.2	.1	.1	94	2.3	.9
5	.5	.5	.9	.3	.5	.2	.2	.1	.1	99	2.0	.9
6	.5	.5	.9	.3	.5	.2	.1	.1	.1	99	2.0	1.0
7	.5	.7	.9	.3	.3	.2	.3	.1	.1	37	1.7	1.0
8	.5	.7	1.5	.3	.3	.2	.2	.1	.1	5	1.7	1.0
9	.5	.7	.9	.3	.2	.2	.2	.1	.1	.1	1.7	1.0
10	.5	.7	.9	.3	.2	.2	.2	.1	.1	.5	1.5	.8
11	.5	.7	.9	.2	.2	.3	.2	.1	.1	2.3	1.5	.6
12	.5	.7	.7	.2	.2	.4	.2	.1	.2	2.9	1.3	.6
13	.5	.7	1.3	.2	.2	.4	.9	.1	1.1	2.3	1.3	.6
14	.5	.7	1.7	.2	.2	.5	1.1	.1	.9	63	1.3	1.0
15	.5	1.5	.7	.9	.2	.4	.5	.1	.7	217	1.3	1.8
16	.7	1.1	.7	.5	.2	.4	.2	.1	.7	390	1.5	1.7
17	.7	1.1	.5	.3	.3	.3	.2	.1	.7	762	1.1	1.4
18	.5	1.1	.5	.2	.5	.3	.2	.1	.9	280	1.1	1.2
19	.2	1.3	.5	.2	.5	.2	.2	0	.9	239	1.1	1.2
20	.2	.9	.5	.2	.5	.2	.2	0	1.1	111	1.1	1.2
21	.2	.9	.5	.2	.5	.2	.2	0	1.3	16	1.1	1.2
22	2.6	.9	.5	.2	.5	.2	.2	0	635	2.6	1.1	1.2
23	6.5	.9	.5	.2	.5	.2	.2	0	1,770	2.6	1.1	1.2
24	3.2	.9	.5	.2	.3	.2	.1	0	1,200	2.6	1.1	1.1
25	.5	.9	.5	.2	.3	.3	.1	0	994	2.6	1.1	1.1
26	.3	.9	.5	.2	.3	.3	.1	0	576	2.6	1.3	1.1
27	.3	.9	.5	.2	.3	.5	.1	0	807	2.6	1.3	1.1
28	.3	.9	.5	.2	.2	.7	.1	0	770	2.6	1.1	1.1
29	.5	.9	.5	.2	-	.9	.2	0	300	2.3	1.1	1.1
30	.5	.7	.5	.2	-	.9	.1	0	170	2.3	1.1	1.2
31	1.1	-	.5	.3	-	1.1	-	0	-	2.3	1.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	25.2	6.5	0.2	0.81	50
November	24.8	1.5	.5	.83	49
December	22.9	1.7	.5	.74	45
Calendar year 1934	579.8	229	.1	1.59	1,150
January	8.2	.9	.2	.26	16
February	9.3	.5	.2	.33	18
March	10.9	1.1	.2	.35	22
April	9.2	1.1	.1	.31	18
May	1.8	.1	0	.06	3.6
June	7,231.3	1,770	0	241	14,340
July	3,092.2	762	.1	99.7	6,130
August	45.9	2.9	1.1	1.48	91
September	32.2	1.8	.6	1.07	64
Water year 1934-35	10,513.9	1,770	0	28.8	20,850

San Joaquin River above Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°15', long. 119°19'10", in NW¼ sec. 11, T. 8 S., R. 24 E., 3 miles above mouth of Big Creek. Altitude, about 2,500 feet.

Drainage area.- 1,042 square miles.

Records available.- March 1922 to September 1935.

Average discharge.- 10 years (1925-35), 1,036 second-feet (period since Florence Lake Tunnel diversion began).

Extremes.- Maximum discharge during year, 10,800 second-feet June 4 (gage height, 15.40 feet); minimum, 75 second-feet Oct. 6.
1922-35: Maximum discharge, 18,000 second-feet June 5, 1922 (gage height, 17.34 feet); minimum, 52 second-feet Sept. 24, 25, 1931.

Remarks.- Records excellent. Large diversions and storage on South Fork of San Joaquin River and tributaries. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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

6.3	48	7.6	276	10.0	1,450	13.0	4,610
6.4	54	7.8	338	10.4	1,730	13.5	5,620
6.6	70	8.0	408	10.8	2,050	14.0	6,800
6.8	98	8.4	568	11.2	2,370	14.5	8,140
7.0	130	8.8	745	11.6	2,740	15.0	9,600
7.2	172	9.2	950	12.0	3,160	15.4	10,800
7.4	222	9.6	1,180	12.5	3,800		

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	95	248	276	279	606	560	1,700	2,890	4,260	2,640	602	265
2	93	325	262	270	632	568	1,590	2,600	6,200	2,330	539	259
3	93	259	230	259	655	576	1,930	2,460	7,860	2,090	482	259
4	88	225	225	398	722	581	2,050	2,500	9,000	1,930	456	235
5	81	222	212	950	1,030	555	1,770	3,000	8,420	1,890	435	217
6	77	214	191	572	1,620	560	1,560	4,180	7,860	1,850	401	199
7	85	194	191	498	1,280	610	2,530	5,000	7,580	1,790	376	186
8	126	174	194	498	1,030	585	5,520	5,300	7,320	1,560	352	174
9	140	157	196	585	895	576	2,640	5,620	6,560	1,310	338	161
10	117	148	194	543	790	585	2,130	5,400	6,440	1,180	338	152
11	102	140	189	514	722	610	2,050	4,610	6,800	1,150	352	146
12	95	132	194	474	678	700	2,130	4,340	7,060	1,120	416	142
13	88	128	276	423	632	895	2,250	4,180	6,440	1,210	423	138
14	85	125	978	427	610	1,120	3,580	4,100	5,620	1,450	379	136
15	81	165	655	466	568	1,210	5,000	4,260	4,520	1,480	362	136
16	86	328	474	438	551	978	3,460	3,950	3,950	2,460	348	136
17	117	328	397	454	560	840	2,740	3,100	4,100	2,500	328	132
18	191	454	345	462	632	815	2,460	3,100	4,520	1,930	300	126
19	214	543	322	419	745	768	2,640	3,950	5,000	1,450	273	125
20	199	442	316	390	815	700	3,000	4,700	5,100	1,240	262	123
21	222	358	316	423	768	722	3,600	5,300	4,800	1,000	256	123
22	217	341	303	431	722	655	3,600	6,560	4,520	815	248	125
23	212	352	282	442	768	745	3,660	7,320	6,200	745	240	132
24	182	338	262	486	700	745	3,950	7,060	5,300	700	232	132
25	165	291	262	534	610	790	3,600	6,320	4,260	678	225	126
26	196	306	245	564	589	868	3,730	6,800	3,880	632	227	121
27	194	291	243	555	576	978	3,800	7,060	3,800	606	309	116
28	179	282	285	534	560	1,150	4,180	6,800	3,950	568	498	110
29	165	262	240	551	-	1,380	5,100	6,440	3,460	539	408	107
30	157	268	276	572	-	1,700	3,660	4,340	2,690	526	328	106
31	154	-	306	581	-	1,730	-	3,280	-	564	288	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,295	222	77	139	8,520
November	8,040	543	125	268	15,950
December	9,337	978	189	301	18,520
Calendar year 1934	191,545	2,250	55	525	380,300
January	14,992	950	259	484	29,740
February	21,066	1,620	551	752	41,780
March	25,855	1,730	555	834	51,280
April	91,610	5,520	1,560	3,054	181,700
May	146,520	7,320	2,480	4,726	290,600
June	167,470	9,000	2,690	5,582	332,200
July	41,843	2,640	526	1,350	82,990
August	11,023	602	225	358	21,860
September	4,845	265	106	155	9,210
Water year 1934-35	546,696	9,000	77	1,498	1,084,000

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San Joaquin River near Friant, Calif.

Location.- Water-stage recorder, lat. 37°32", long. 119°41'44", in NE¼ sec. 5, T. 11 S., R. 21 E., 1 mile above Cottonwood Creek and 1½ miles northeast of Friant. Altitude, about 320 feet.

Drainage area.- 1,632 square miles.

Records available.- December 1913 to September 1935; October 1907 to December 1913, record at staff gage 2 miles upstream.

Average discharge.- 28 years, 2,209 second-feet.

Extremes.- Maximum discharge during year, 15,700 second-feet Apr. 8 (gage height, 13.16 feet); minimum, 75 second-feet Oct. 15.
1907-35: Maximum discharge, about 48,200 second-feet Jan. 25, 1914 (gage height, 21.72 feet); minimum, 44 second-feet Sept. 15, 1924, Sept. 14, Oct. 12, 1931.

Remarks.- Records excellent except those estimated, Jan. 3-21, Feb. 20-25, July 3-24. There are four storage reservoirs and six power plants above station. See records for Florence Lake, Huntington Lake, and Shaver Lake. Storage in Crane Valley Reservoir was 26,831 acre-feet on Sept. 30, 1934, and 25,050 acre-feet on Sept. 30, 1935.

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

2.0	30	2.8	127	3.6	325	4.8	840	6.5	1,920	10.0	7,010	16.0	27,300
2.2	47	3.0	165	3.8	395	5.2	1,055	7.0	2,330	11.0	9,400	18.0	37,400
2.4	68	3.2	211	4.0	475	5.6	1,290	8.0	3,380	12.0	12,000	20.0	48,000
2.6	94	3.4	263	4.4	645	6.0	1,550	9.0	4,900	14.0	18,600	22.0	58,800

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	102	428	642	966	1,160	1,180	2,660	5,110	4,900	3,630	1,800	1,320
2	374	228	720	700	1,090	1,240	2,780	4,540	6,560	3,630	1,800	1,290
3	501	448	725	840	994	1,140	3,040	4,040	8,420	3,350	1,760	1,350
4	468	518	826	890	1,090	1,300	4,210	3,950	9,400	2,950	1,580	1,620
5	480	194	737	2,420	1,820	1,500	3,180	4,150	9,650	3,150	1,580	1,290
6	458	361	816	1,760	2,370	1,000	2,770	5,430	9,400	3,000	1,690	1,410
7	326	314	764	970	2,980	2,100	3,760	6,720	8,900	2,600	1,620	1,200
8	98	312	686	1,060	2,890	2,240	10,700	6,990	8,420	2,600	1,660	890
9	376	316	487	1,320	2,120	1,660	6,320	7,310	7,470	2,550	1,720	1,170
10	380	308	542	1,520	1,700	1,330	4,360	7,150	7,470	2,400	1,660	1,380
11	366	383	676	1,200	1,780	1,520	3,820	6,380	7,700	2,450	1,620	1,380
12	502	146	700	1,140	1,540	1,700	3,610	5,760	8,180	2,350	1,480	1,380
13	392	311	708	1,110	1,650	1,880	3,870	5,660	7,700	2,350	1,720	1,380
14	270	302	1,850	1,170	1,530	2,160	4,380	5,640	7,010	2,550	1,660	1,290
15	129	449	1,850	2,200	1,520	2,200	7,240	5,650	5,910	2,800	1,690	1,110
16	416	701	996	1,550	1,470	2,180	6,860	5,400	4,900	3,750	1,660	1,110
17	502	457	782	1,350	1,400	1,430	5,270	4,520	5,090	3,850	1,620	1,290
18	480	700	957	1,290	1,390	1,620	4,510	4,400	5,490	3,750	1,410	1,290
19	419	974	849	1,550	1,510	1,580	4,390	4,650	6,120	2,950	1,520	1,290
20	447	658	814	1,170	1,350	1,530	4,820	5,800	6,560	2,700	1,620	1,320
21	392	706	822	1,140	1,300	1,420	5,150	6,460	6,120	2,250	1,580	1,290
22	340	752	821	896	1,250	1,430	5,540	7,510	5,910	2,100	1,580	1,110
23	462	578	726	1,010	1,300	1,340	5,490	8,460	6,340	1,850	1,620	1,200
24	442	605	763	1,150	1,300	1,970	6,030	8,590	7,010	1,900	1,560	1,290
25	290	770	538	1,190	1,200	1,650	5,500	7,440	5,490	1,920	1,380	1,260
26	270	542	634	1,160	1,140	1,640	5,680	7,440	5,290	1,920	1,440	1,290
27	305	610	906	1,220	1,250	2,000	5,570	7,940	5,090	1,760	1,480	1,260
28	454	610	993	1,150	1,080	2,050	5,740	7,940	5,290	1,840	1,620	1,260
29	304	584	803	1,060	-	2,200	7,350	7,880	4,720	1,620	1,720	1,110
30	378	262	817	1,140	-	2,340	7,280	5,910	3,760	1,620	1,620	1,000
31	308	-	708	1,070	-	2,610	-	4,540	-	1,800	1,520	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,471	502	98	370	22,750
November	14,617	974	146	487	28,990
December	25,658	1,850	487	828	50,890
Calendar year 1934	397,823	3,140	98	1,090	789,300
January	38,362	2,420	700	1,237	76,090
February	43,174	2,980	994	1,542	85,630
March	53,140	2,610	1,000	1,714	105,400
April	151,660	10,700	2,660	5,056	300,900
May	189,360	8,590	3,950	6,108	375,600
June	200,270	9,650	3,760	6,676	397,200
July	79,940	3,850	1,620	2,579	158,600
August	50,010	1,800	1,380	1,613	99,190
September	37,830	1,620	890	1,261	75,030
Water year 1934-35	895,512	10,700	98	2,453	1,776,000

San Joaquin River near Newman, Calif.

Location.- Water-stage recorder, lat. 37°21'2", long. 120°58'34", in SW¼ sec. 3, T. 7 S., R. 9 E., at highway bridge on Hills Ferry road 300 feet below mouth of Merced River and 3½ miles northeast of Newman. Elevation of zero of gage is 51.0 feet, datum of Corps of Engineers, U. S. Army.

Records available.- April 1912 to September 1935.

Average discharge.- 23 years, 2,107 second-feet.

Extremes.- Maximum discharge during year, 8,820 second-feet Apr. 18 (gage height, 14.02 feet); minimum, 84 second-feet Oct. 3 (gage height, 1.17 feet).
1912-35: Maximum discharge, 20,700 second-feet Jan. 27, 1914 (gage height, 18.0 feet); minimum, 15 second-feet Aug. 9, 10, 1924.

Remarks.- Records excellent. Practically entire flow of main river and tributaries is diverted during irrigation season, and low-water records show mainly amount of return water.

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	102	137	169	484	2,000	2,060	2,110	8,110	7,450	3,500	475	323
2	94	134	164	518	1,950	2,060	2,110	8,220	6,900	3,260	475	361
3	88	126	162	552	1,950	2,000	2,060	8,000	6,900	2,870	430	344
4	92	123	162	570	1,950	1,950	2,110	7,670	7,230	2,590	442	318
5	96	120	162	588	1,950	1,900	2,220	7,230	7,760	2,310	451	321
6	94	120	162	660	1,800	1,800	2,460	6,790	8,000	2,030	442	347
7	100	120	159	1,060	1,700	1,800	2,740	6,680	8,110	1,890	397	369
8	117	122	162	1,360	1,650	2,340	3,020	6,790	8,110	1,770	392	383
9	116	116	164	1,450	1,750	3,020	4,580	7,010	8,110	1,560	372	397
10	110	120	164	1,750	2,000	3,180	5,030	7,120	8,000	1,380	366	361
11	104	123	164	2,000	2,400	3,340	5,120	7,340	7,560	1,270	364	341
12	110	123	164	2,000	2,740	3,580	5,300	7,340	6,270	1,120	352	315
13	120	122	173	2,000	2,810	3,660	6,370	7,230	5,770	1,020	339	311
14	120	122	182	1,900	2,670	3,600	7,230	7,120	5,770	940	336	326
15	118	123	188	1,800	2,460	3,180	7,780	7,010	6,370	915	352	378
16	126	126	288	2,000	2,280	2,880	8,220	6,900	6,680	866	350	361
17	128	130	322	2,530	2,110	2,740	8,700	6,170	7,010	845	350	347
18	132	135	324	2,670	2,000	2,740	8,820	6,670	7,010	776	366	339
19	125	139	332	2,880	1,900	2,740	8,700	6,270	6,680	710	366	339
20	128	141	392	3,160	2,060	2,670	8,460	5,870	6,370	690	366	315
21	130	142	421	3,100	2,280	2,530	8,340	5,770	6,070	710	347	339
22	132	153	466	2,950	2,340	2,220	8,340	5,870	5,770	845	323	339
23	128	162	500	2,600	2,280	2,060	8,460	6,070	5,390	868	306	355
24	128	159	500	2,280	2,280	2,060	8,580	6,370	5,120	778	313	355
25	130	173	466	2,060	2,220	2,220	8,580	6,790	4,860	755	334	334
26	120	204	452	1,950	2,160	2,340	8,340	7,010	4,400	650	361	326
27	114	200	452	1,700	2,110	2,220	8,110	7,230	4,060	610	361	341
28	114	188	468	1,650	2,110	2,110	8,000	7,340	3,900	572	334	336
29	126	161	468	1,700	-	2,000	7,890	7,560	3,820	590	326	352
30	125	173	468	1,850	-	2,000	7,890	7,670	3,740	520	336	372
31	136	-	464	1,950	-	2,060	-	7,670	-	490	336	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,600	136	88	116	7,140
November	4,257	204	116	142	8,440
December	9,308	500	159	300	18,460
Calendar year 1934	141,681	2,240	62	388	281,400
January	55,662	3,160	484	1,796	110,400
February	59,910	2,810	1,650	2,140	118,800
March	76,960	3,660	1,800	2,483	152,600
April	185,670	8,820	2,060	6,189	368,300
May	216,790	8,220	5,770	6,993	430,000
June	189,200	8,110	3,740	6,307	375,300
July	39,704	3,500	490	1,281	78,750
August	11,480	475	306	370	22,770
September	10,341	397	311	346	20,510
Water year 1934-35	862,882	8,820	88	2,364	1,711,000

San Joaquin River near Vernalis, Calif.

Location.- Water-stage recorder, lat. 37°40'34", long. 121°15'51", in El Pescadero grant, at Durham Ferry highway bridge 3 miles below Stanislaus River and 3½ miles northeast of Vernalia, San Joaquin County. Altitude, about 10 feet.

Records available.- July 1922 to September 1935; low-water records only 1922-23 and 1925-29.

Extremes.- Maximum discharge during year, 23,800 second-feet May 30 (gage height, 24.50 feet); minimum, 532 second-feet Oct. 1.
1922-35: Maximum discharge determined, that of May 30, 1935; minimum, 184 second-feet Aug. 14, 1931.

Remarks.- Records good except those for Nov. 4-7, May 31 to June 2, June 20-27, which were estimated and are fair. Practically entire flow of main river and tributaries is diverted during irrigation season, and low-water records show mainly amount of return water. Discharge May 31 to June 22 includes estimated flow through break in right bank levee.

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	545	1,250	1,600	2,080	3,540	3,540	3,620	19,800	20,600	5,810	1,080	1,100
2	581	1,400	1,560	2,020	3,460	3,540	3,540	20,700	18,400	5,630	1,080	1,120
3	594	1,400	1,470	1,960	3,360	3,460	3,620	19,500	17,200	5,900	1,050	1,100
4	612	1,250	1,400	1,960	3,300	3,380	3,940	17,500	17,200	6,170	1,050	1,080
5	626	1,100	1,400	2,020	3,160	3,300	5,220	16,200	18,800	5,360	1,020	1,120
6	622	1,000	1,400	2,340	3,160	3,380	8,000	15,100	20,500	4,520	1,020	1,050
7	645	1,040	1,400	2,740	3,160	3,460	9,400	14,400	21,800	4,040	1,020	1,080
8	655	1,070	1,400	2,880	3,020	4,100	9,100	14,300	22,400	3,720	1,000	1,100
9	710	1,130	1,400	3,090	2,950	6,030	10,700	14,500	22,300	3,480	975	1,120
10	670	1,130	1,400	3,780	2,950	5,850	13,500	15,100	21,800	3,240	950	1,100
11	630	1,160	1,400	4,260	3,020	5,130	16,600	15,700	20,600	2,950	950	1,100
12	608	1,160	1,400	4,020	3,230	4,770	17,500	16,600	19,700	2,670	950	1,080
13	608	1,160	1,440	3,780	3,460	4,770	16,200	16,600	19,100	2,320	925	1,080
14	604	1,130	1,500	3,780	3,620	4,860	15,000	16,000	18,400	2,040	850	1,220
15	608	1,160	1,530	3,780	3,700	4,680	14,400	15,600	18,000	1,970	850	1,500
16	617	1,220	1,630	4,020	3,780	4,340	14,700	15,200	17,300	1,970	850	1,650
17	812	1,250	1,560	4,680	4,100	4,100	17,300	15,000	16,300	1,770	925	1,580
18	980	1,280	1,630	4,950	4,100	3,940	22,300	14,500	15,200	1,710	1,000	1,620
19	1,040	1,340	1,630	5,040	3,940	3,860	23,000	13,800	14,600	1,590	1,050	1,550
20	1,040	1,370	1,630	5,760	3,860	3,780	21,500	13,000	14,100	1,500	1,050	1,470
21	1,070	1,400	1,630	5,580	3,860	3,860	20,000	12,700	14,200	1,500	1,000	1,470
22	1,100	1,440	1,700	4,860	4,020	4,020	19,500	12,800	13,900	1,530	950	1,560
23	1,100	1,440	1,700	4,500	4,100	3,940	19,500	13,300	12,700	1,650	925	1,590
24	1,130	1,470	1,760	4,260	3,780	3,700	19,500	14,000	11,700	1,530	950	1,580
25	1,160	1,440	1,760	4,020	3,620	3,780	19,800	14,800	10,600	1,440	1,000	1,560
26	1,130	1,440	1,760	3,780	3,540	3,780	19,800	15,900	9,500	1,330	1,050	1,560
27	1,160	1,470	1,760	3,540	3,540	3,940	19,500	16,700	8,000	1,300	1,080	1,560
28	1,160	1,470	1,820	3,300	3,620	3,940	18,800	19,100	6,660	1,300	1,080	1,560
29	1,160	1,560	2,020	3,230	-	3,780	18,600	22,300	5,900	1,300	1,050	1,560
30	1,160	1,600	2,020	3,300	-	3,700	18,600	23,600	5,630	1,250	1,050	1,590
31	1,190	-	2,080	3,460	-	3,620	-	23,600	-	1,150	1,050	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	28,327	1,190	545	849	52,220
November	38,730	1,600	1,000	1,291	76,820
December	49,790	2,080	1,400	1,606	98,760
Calendar year 1934	414,037	4,200	315	1,134	821,900
January	112,770	5,760	1,960	3,638	223,700
February	98,970	4,100	2,950	3,535	196,300
March	126,330	6,030	3,300	4,075	250,600
April	442,740	23,000	3,540	14,760	878,200
May	507,900	23,600	12,700	16,380	1,007,000
June	473,290	22,400	5,630	15,780	938,800
July	83,640	6,170	1,160	2,698	165,900
August	30,830	1,080	850	995	61,150
September	40,500	1,680	1,080	1,350	80,330
Water year 1934-35	2,031,817	23,600	545	5,567	4,030,000

Florence Lake Tunnel at intake, Calif.

Location.- Water-stage recorder and Venturi meter, lat. 37°17', long. 118°58', in SE¼ sec. 36, T. 7 S., R. 27 E., in gatehouse at entrance of tunnel. Altitude, about 7,350 feet.

Records available.- April 1925 to September 1935.

Extremes.-Maximum mean daily discharge during year, 1,620 second-feet June 21; minimum, 1.5 second-feet Sept. 8.
1925-35: Maximum mean daily discharge, 1,990 second-feet Apr. 30, 1926; no flow at times.

Remarks.- Records good except those estimated, Nov. 23-30, May 2-18. Florence Lake Tunnel diverts water from Florence Lake, a storage reservoir on South Fork of San Joaquin River, to Huntington Lake for use in Big Creek power plants of Southern California Edison Co., Ltd., who furnished gage-height record and results of discharge measurements.

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	32	34	35	73	60	188	400	746	598	234	423
2	25	34	28	34	76	60	178	345	764	588	268	441
3	22	32	28	33	75	59	168	330	607	566	289	437
4	21	31	28	34	73	60	158	320	14	552	291	441
5	21	29	28	36	86	59	164	360	232	524	291	459
6	20	30	28	40	99	60	156	495	237	541	291	357
7	20	27	24	50	95	58	181	625	241	577	291	1.6
8	21	27	31	59	91	55	217	625	241	564	307	1.5
9	20	26	30	60	82	69	176	680	243	578	312	334
10	18	25	27	59	81	76	207	760	244	478	310	514
11	18	24	26	65	76	77	252	690	244	443	355	512
12	16	24	27	63	72	86	261	635	244	528	392	512
13	17	21	32	61	72	109	308	630	241	569	392	510
14	16	24	48	58	69	126	478	605	596	507	389	508
15	15	23	48	55	63	127	528	590	763	522	389	505
16	17	30	41	59	65	111	401	575	747	501	389	503
17	18	32	43	68	67	96	337	500	749	474	387	499
18	20	32	36	70	75	92	323	375	877	482	385	497
19	24	36	36	66	88	85	355	392	1,000	569	385	493
20	28	43	39	66	96	75	412	438	1,320	595	383	489
21	28	44	36	70	86	72	478	484	1,620	593	382	501
22	26	46	33	68	82	70	484	755	540	441	382	544
23	25	45	29	67	83	82	503	848	1.9	391	380	544
24	22	30	32	66	77	80	526	797	1.9	367	378	542
25	22	40	30	67	66	83	522	796	282	346	376	540
26	22	40	28	70	67	99	530	770	532	315	374	538
27	18	35	26	68	68	114	536	771	417	315	374	538
28	7.5	35	27	65	65	139	561	799	213	278	273	536
29	24	35	24	67	-	172	579	822	881	233	232	544
30	29	35	33	69	-	200	489	831	556	193	324	555
31	24	-	36	71	-	190	-	777	-	204	387	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	647.5	29	7.5	20.9	1,280
November	967	46	21	32.2	1,920
December	996	48	24	32.1	1,980
Calendar year 1934	53,570.8	992	.1	147	106,300
January	1,819	71	33	58.7	3,610
February	2,168	99	63	77.4	4,300
March	2,901	200	55	93.6	5,750
April	10,656	579	156	355	21,140
May	18,820	848	320	607	37,330
June	15,394.8	1,620	1.9	513	30,540
July	14,432	598	193	466	28,630
August	10,592	392	232	342	21,010
September	13,819.1	555	1.5	461	27,410
Water year 1934-35	93,212.4	1,620	1.5	255	184,900

Florence Lake Tunnel at outlet, Calif.

Location.- Water-stage recorder, lat. 37°16', long. 119°9', in SE¼ sec. 5, T. 8 S., R. 26 E., just above tunnel outlet at east end of Huntington Lake, 6 miles northeast of Big Creek. Altitude, about 7,200 feet.

Records available.- November 1927 to September 1935.

Extremes.- Maximum mean daily discharge during year, 2,080 second-feet June 21; minimum, 28 second-feet June 23.
1927-35: Maximum mean daily discharge, that of June 21, 1935; minimum, 3.2 second-feet Oct. 23, 1929.

Remarks.- Records excellent. Tunnel diverts water from Florence Lake to Huntington Lake. See Florence Lake Tunnel at intake. Between intake and outlet, tunnel receives water diverted from Bear Creek, Mono Creek, and at times from several other very small tributaries of South Fork of San Joaquin River. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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	71	54	78	141	134	350	756	1,440	907	446	525
2	53	79	69	78	147	132	330	675	1,460	863	457	577
3	50	73	72	75	145	131	316	630	1,460	806	466	550
4	46	72	70	76	143	128	303	636	536	780	456	534
5	46	69	68	79	161	128	310	751	897	737	450	542
6	44	67	69	87	151	129	296	1,020	970	747	436	484
7	46	64	62	104	175	121	328	1,210	973	753	423	76
8	46	63	70	120	171	116	356	1,300	964	671	426	71
9	44	60	68	119	156	146	325	1,340	964	1,020	429	340
10	40	59	65	118	156	162	370	1,420	962	692	429	571
11	40	57	64	129	145	161	442	1,320	964	852	475	565
12	38	56	66	125	141	176	463	1,260	962	947	596	560
13	39	52	75	118	144	222	505	1,220	960	1,040	550	555
14	38	54	95	113	138	257	725	1,140	1,250	1,060	529	553
15	36	55	97	110	122	252	801	1,140	1,470	1,150	517	549
16	42	69	86	118	135	215	650	1,080	1,440	1,120	509	544
17	46	76	94	136	140	191	568	949	1,450	1,110	497	537
18	52	69	79	140	156	166	561	794	1,540	1,090	466	534
19	56	76	83	130	182	169	640	905	1,710	1,060	477	529
20	63	93	86	132	195	149	744	1,060	1,870	1,040	472	528
21	64	101	81	137	169	140	871	1,180	2,080	975	469	544
22	61	110	75	132	165	146	867	1,430	1,170	756	462	594
23	56	104	65	127	167	171	926	1,600	26	680	458	594
24	38	81	72	125	158	164	1,010	1,530	286	641	452	589
25	30	96	65	128	136	168	998	1,510	763	616	452	584
26	80	96	64	134	142	201	1,020	1,510	1,060	566	466	579
27	48	89	63	128	145	232	1,040	1,490	996	545	544	573
28	40	85	62	124	141	279	1,100	1,520	723	497	524	569
29	47	89	59	128	-	327	1,100	1,540	1,200	440	395	574
30	60	85	77	133	-	370	911	1,530	897	399	446	589
31	54	-	79	137	-	351	-	1,480	-	415	499	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,495	80	30	48.2	2,970
November	2,272	110	52	75.7	4,510
December	2,287	97	59	73.8	4,540
Calendar year 1934	102,889	1,370	30	282	204,200
January	3,618	140	75	117	7,180
February	4,300	195	122	154	8,530
March	5,854	370	116	189	11,610
April	19,229	1,100	296	641	38,140
May	36,928	1,600	630	1,191	73,250
June	33,365	2,080	26	1,112	66,180
July	25,407	1,150	399	820	50,390
August	14,698	596	395	474	29,150
September	15,515	594	71	517	30,770
Water year 1934-35	164,968	2,080	26	452	327,200

Bear Creek near Vermilion Valley, Calif.

Location.- Water-stage recorder, lat. 37°20', long. 118°58', in SW¼ sec. 12, T. 7 S., R. 27 E., 2 miles above mouth and 4 miles by trail south of Vermilion Valley, from which it is separated by Bear Ridge. Altitude, about 7,400 feet.

Drainage area.- 53.5 square miles.

Records available.- November 1921 to September 1935.

Average discharge.- 11 years (1922-30, 1932-35), 69.1 second-feet.

Extremes.- Maximum discharge during year, 651 second-feet June 3 (gage height, 5.62 feet); minimum, 4.0 second-feet Oct. 11, 12.
1921-35: Maximum discharge, 857 second-feet June 4, 1922 (gage height, 5.97 feet); minimum, 1.2 second-feet Sept. 29 to Oct. 5, 1924.

Remarks.- Records fair. Discharge estimated Nov. 19 to Mar. 25, Apr. 13 to May 2. Stage-discharge relation affected by ice Nov. 19 to Mar. 25. No storage or diversions above station. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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

2.7	0	3.8	70	5.0	355
2.8	.5	4.0	98	5.2	440
3.0	4.0	4.2	130	5.4	535
3.2	11	4.4	172	5.6	640
3.4	24	4.6	220	5.8	755
3.6	44	4.8	282	6.0	875

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	6	11					52	110	272	232	78	51
2	5.5	13					45	100	404	198	70	69
3	5	11					42	77	485	177	66	50
4	5	11					42	90	520	165	62	43
5	4.9	11					43	123	500	177	56	37
6	4.9	11					41	177	476	165	52	33
7	5	10					45	205	467	154	46	28
8	4.9	10					43	223	490	148	43	26
9	4.8	10					50	226	476	146	41	24
10	4.3	9.5					59	202	490	142	42	22
11	4.0	8.5					67	170	510	146	48	20
12	4.0	8.5				28	70	172	530	154	60	18
13	4.3	8					70	150	510	179	56	18
14	4.3	8					80	132	449	220	50	17
15	4.3	8.5					80	140	383	252	45	16
16	4.9	11					80	122	367	282	44	16
17	5.5	12					80	104	395	292	40	15
18	6.5	11					80	108	436	218	35	15
19	6.5	13					90	140	476	179	33	14
20	9	18					110	184	485	154	31	14
21	9	22					120	243	462	125	29	15
22	8	24					120	310	440	107	28	19
23	7	20					140	344	404	100	27	18
24	7.5	18					150	340	363	95	26	17
25	7	18					150	321	340	91	27	16
26	7	17				33	160	340	355	88	37	14
27	7	17				40	160	351	367	80	82	13
28	7	15				31	170	347	336	76	100	12
29	7	15				62	160	328	303	71	77	11
30	7	15				64	140	223	256	74	60	11
31	8					54	-	188	-	77	50	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	184.9	9	4.0	5.96	367
November	395.0	24	8	13.2	783
December	403	-	-	13	799
Calendar year 1934	15,184.4	220	4.0	41.6	30,160
January	620	-	-	20	1,230
February	728	-	-	26	1,440
March	1,004	64	-	32.4	1,990
April	2,739	170	41	91.3	5,430
May	6,290	351	77	203	12,480
June	12,747	530	256	425	25,280
July	4,764	292	71	154	9,450
August	1,541	100	26	49.7	3,060
September	692	69	11	23.1	1,370
Water year 1934-35	32,107.9	530	4.0	88.0	63,680

Mono Creek near Vermilion Valley, Calif.

Location.- Water-stage recorder, lat. 37°22', long. 118°59', in SW¼ sec. 35, T. 6 S., R. 27 E. (unsurveyed), 1 mile below lower end of Vermilion Valley and 6 miles below mouth of North Fork. Altitude, about 7,400 feet.

Drainage area.- 92.0 square miles.

Records available.- November 1921 to September 1935.

Average discharge.- 11 years (1922-30, 1932-35), 121 second-feet.

Extremes.- Maximum discharge during year, 1,230 second-feet June 11 (gage height, 7.78 feet); minimum, 14 second-feet Oct. 11, 12.
1921-35: Maximum discharge, 1,420 second-feet June 16, 1927, June 22, 1932 (gage height, 8.10 feet); minimum, 7.5 second-feet Dec. 6, 1932.

Remarks.- Records good except those for Nov. 20 to Mar. 25, which were estimated on account of ice, and Sept. 17-22, which were interpolated. No storage or diversions above station. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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

4.4	6	5.4	114	6.4	465	7.4	990
4.6	11	5.6	164	6.6	560	7.6	1,110
4.8	24	5.8	224	6.8	660	7.8	1,230
5.0	44	6.0	300	7.0	765	8.0	1,350
5.2	73	6.2	380	7.2	875	8.3	1,560

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	25					92	214	488	400	124	57
2	16	25					90	202	650	356	110	60
3	16	22					88	192	848	320	103	54
4	15	21					88	202	930	300	101	49
5	15	20					88	238	930	292	94	45
6	15	20					84	300	930	288	84	43
7	16	19					92	340	960	268	79	41
8	16	18					82	384	960	256	73	38
9	15	18					99	408	930	249	70	35
10	15	18					107	404	930	235	70	34
11	15	18					110	372	960	231	86	32
12	15	18					116	360	990	235	128	31
13	15	17					112	348	960	256	94	30
14	15	17				45	148	324	875	308	84	29
15	15	18					138	332	710	328	77	29
16	19	22					138	304	660	372	75	28
17	21	24					124	288	685	420	70	28
18	23	18					136	260	754	312	63	27
19	23	22					156	308	820	260	59	26
20	25	25					189	356	820	231	57	26
21	23	28					208	429	765	198	56	28
22	23	35					208	530	743	175	53	30
23	20	30					242	590	680	167	52	31
24	20	28					264	575	595	159	50	29
25	20	30					264	560	545	154	50	28
26	19	30				60	276	560	560	143	59	27
27	18	28				67	288	600	585	133	99	25
28	18	28				73	304	640	530	128	96	23
29	18	28				84	288	630	478	124	73	23
30	18	28				92	246	488	424	126	63	24
31	19	-				92	-	412	-	128	57	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	557	25	15	18.0	1,100
November	698	35	17	23.3	1,380
December	713	-	-	23	1,410
Calendar year 1934	27,065	348	15	74.2	53,680
January	992	-	-	32	1,970
February	1,176	-	-	42	2,330
March	1,593	92	-	51.4	3,160
April	4,865	304	82	162	9,650
May	12,130	640	192	391	24,060
June	22,695	990	424	756	45,010
July	7,552	420	124	244	14,980
August	2,409	128	50	77.7	4,780
September	1,010	60	23	33.7	2,000
Water year 1934-35	56,390	990	15	154	111,800

Huntington Lake near Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°14', long. 119°13', in SW¼ sec. 14, T. 8 S., R. 25 E., at dam no. 1, 2 miles northeast of Big Creek.

Records available.- October 1926 to September 1935.

Remarks.- Huntington Lake on Big Creek is original storage reservoir of Big Creek system of Southern California Edison Co., Ltd. Crest of dam is 6,952 feet above mean sea level. It receives water from South Fork of San Joaquin River, Bear Creek, and Mono Creek, through Florence Lake Tunnel. Released water is discharged through Big Creek power house no. 1. Surplus water flows through Huntington-Shaver Conduit to Shaver Lake. Record of daily contents shows available storage and is furnished by Southern California Edison Co., Ltd.

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	30,652	25,237	22,040	6,000	5,392	2,121	3,380	32,365	68,030	88,748	88,176	87,719
2	30,236	25,245	21,697	5,403	5,296	2,080	3,413	33,471	70,019	88,705	87,976	87,747
3	29,823	25,128	21,065	4,843	5,580	2,170	3,375	34,391	72,320	88,562	88,019	87,747
4	29,405	25,151	20,399	4,605	5,924	2,053	3,273	35,476	73,503	88,734	88,248	87,676
5	29,024	25,081	19,707	4,446	5,979	2,107	3,158	37,319	75,132	88,534	88,248	87,661
6	28,754	25,035	19,056	4,314	6,395	2,239	3,061	39,665	76,791	88,262	88,162	87,490
7	28,671	24,934	18,376	4,258	6,654	2,108	3,486	41,134	78,276	88,591	88,048	87,576
8	28,337	24,841	17,780	4,202	6,491	1,863	3,891	42,032	79,500	88,577	87,919	87,676
9	27,962	24,687	17,368	4,422	6,086	1,946	3,916	43,178	80,732	88,691	87,776	87,590
10	27,552	24,642	16,718	4,360	5,819	2,143	4,002	44,486	81,641	88,677	87,661	87,604
11	27,151	24,466	16,044	4,261	5,336	2,038	4,266	45,503	82,458	88,591	87,690	87,618
12	26,789	24,390	15,352	3,958	4,766	2,224	4,750	46,499	83,082	88,662	87,919	87,618
13	26,483	24,177	14,833	4,079	4,268	2,509	5,357	46,941	83,542	88,834	88,076	87,661
14	26,330	23,950	14,849	4,054	3,779	2,361	6,918	47,135	83,542	88,863	88,133	87,661
15	25,951	23,897	14,611	4,052	3,342	2,335	8,342	47,439	83,501	88,949	88,148	87,719
16	25,579	23,665	14,476	3,963	3,042	2,245	9,165	47,494	83,431	88,920	88,162	87,733
17	25,416	23,516	13,962	4,141	3,024	2,420	9,668	47,092	83,277	88,935	88,162	87,719
18	25,416	23,351	13,337	4,215	2,971	2,258	10,199	46,661	83,542	88,834	88,434	87,676
19	25,400	23,211	12,719	3,990	3,094	2,134	10,935	47,135	84,423	88,662	88,434	87,618
20	25,462	23,145	12,121	4,022	3,246	2,103	12,017	47,940	85,647	88,791	88,319	87,533
21	25,571	23,108	11,515	3,928	3,126	2,137	13,846	49,247	87,604	88,820	88,233	87,504
22	25,563	23,049	10,988	4,091	3,076	2,186	15,275	51,278	88,476	88,662	88,105	87,647
23	25,532	23,005	10,638	4,335	3,018	2,110	16,874	53,715	88,076	88,562	87,947	87,704
24	25,478	22,961	10,156	4,470	2,736	2,372	18,709	55,630	87,904	88,562	87,819	87,776
25	25,400	22,697	9,882	4,557	2,583	2,305	20,570	57,335	88,405	88,648	88,019	87,833
26	25,377	22,536	9,290	4,409	2,534	2,290	22,471	59,414	88,519	88,634	88,090	87,804
27	25,369	22,428	8,625	4,607	2,476	2,309	24,596	61,440	88,348	88,562	88,233	87,733
28	25,330	22,327	7,966	4,832	2,282	2,297	27,192	63,333	88,233	88,648	88,348	87,647
29	25,252	22,298	7,334	4,815	-	2,378	29,473	64,874	88,476	88,562	88,090	87,576
30	25,175	22,226	6,975	4,865	-	2,653	31,098	65,977	88,677	88,362	87,890	87,533
31	25,266	-	6,385	5,116	-	3,156	-	66,786	-	88,233	87,776	-

Note.- Contents on Sept. 30, 1934, was 31,002 acre-feet.

Big Creek below Huntington Lake, Calif.

Location.- Water-stage recorder, lat. 37°13'10", long. 119°12'50", in NW¼ sec. 23, T. 8 S., R. 25 E., 800 feet above Grouse Creek and 1 mile below Huntington Lake. Altitude, about 6,600 feet.

Records available.- June 1925 to September 1935.

Extremes.- Maximum discharge during year, 18 second-feet July 15 (gage height, 3.46 feet); minimum, 0.2 second-foot many days from October to January.
1925-35: Maximum discharge, 2,040 second-feet June 23, 1925 (gage height, 10.3 feet, siphon spillways operating at Huntington Lake); minimum, 0.1 second-foot Sept. 10-13, Oct. 7-18, Dec. 5-16, 1931.

Remarks.- Records good except those for Aug. 27 to Sept. 10, which were interpolated. Natural flow of Big Creek is regulated at Huntington Lake and during most of year is diverted for use through Big Creek power house no. 1. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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

2.0	0.02	2.4	0.7	2.8	4.2	3.2	11.4
2.1	.10	2.5	1.1	2.9	5.6	3.3	13.8
2.2	.25	2.6	1.9	3.0	7.3	3.4	16.2
2.3	.40	2.7	2.9	3.1	9.3	3.5	18.7

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	0.4	0.3	0.2	0.4	0.4	1.2	3.8	3.8	2.7	1.4	1.2
2	.2	.3	.2	.2	.4	.4	1.2	3.9	3.6	3.0	1.4	1.2
3	.2	.2	.2	.2	.4	.4	1.5	3.9	3.5	2.3	1.4	1.2
4	.2	.2	.2	.4	.7	.4	1.5	4.4	3.4	2.1	1.4	1.2
5	.2	.2	.2	.4	1.0	.4	1.4	4.9	3.2	2.4	1.4	1.2
6	.2	.2	.2	.4	1.2	.4	1.3	5.5	3.1	2.0	1.3	1.2
7	.3	.2	.2	.4	.8	.4	2.1	6	3.1	2.0	1.3	1.2
8	.2	.2	.2	.4	.7	.4	4.0	6.5	3.0	2.0	1.3	1.2
9	.2	.2	.2	.3	.6	.4	2.1	6	2.9	2.1	1.3	1.2
10	.2	.3	.2	.3	.5	.3	2.0	6	2.9	2.4	1.3	1.2
11	.2	.2	.2	.3	.4	.4	2.1	6	2.9	2.1	1.2	1.2
12	.2	.2	.2	.3	.4	.4	2.2	6	2.9	1.9	1.2	1.2
13	.2	.2	.4	.3	.4	.6	2.3	6	2.8	2.8	1.2	1.2
14	.2	.2	.9	.3	.4	.7	3.1	6	2.7	4.7	1.2	1.2
15	.2	.5	.6	.3	.4	.8	3.5	6	2.5	8.5	1.2	1.2
16	.2	.5	.4	.3	.4	.7	2.5	5.5	2.4	9	1.2	1.1
17	.3	.4	.4	.3	.4	.6	2.4	5.5	2.4	8.5	1.2	1.1
18	.4	.4	.3	.3	.5	.6	2.7	5.5	2.3	8	1.1	1.1
19	.3	.4	.3	.3	.6	.5	3.0	5.5	2.2	3.0	1.1	1.1
20	.3	.3	.3	.3	.6	.5	3.4	5.5	2.1	2.0	1.1	1.1
21	.2	.4	.3	.3	.6	.5	4.0	5	2.1	2.9	1.1	1.1
22	.2	.4	.3	.3	.6	.4	4.0	5	2.1	3.8	1.1	1.1
23	.2	.3	.2	.3	.6	.4	4.4	5	2.0	1.8	1.1	1.0
24	.2	.3	.2	.3	.5	.4	4.6	4.7	2.0	1.7	1.1	1.0
25	.2	.3	.2	.4	.5	.4	4.6	4.6	1.9	1.6	1.1	1.0
26	.2	.3	.2	.4	.4	.5	4.7	4.4	1.9	1.6	1.2	1.0
27	.2	.3	.2	.4	.4	.6	4.9	4.3	1.9	1.5	1.2	1.0
28	.2	.3	.2	.4	.4	.7	4.9	4.0	1.9	1.5	1.2	1.1
29	.2	.3	.2	.4	-	.9	5	3.9	1.9	1.5	1.2	1.1
30	.2	.3	.2	.4	-	1.1	4.3	3.9	2.0	1.4	1.2	1.2
31	.3	-	.2	.4	-	1.2	-	3.8	-	1.4	1.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.9	0.4	0.2	0.22	14
November	8.9	.5	.2	.30	18
December	8.5	.9	.2	.27	17
Calendar year 1934	186.5	1.8	.2	.511	371
January	10.2	.4	.2	.33	20
February	15.2	1.2	.4	.54	30
March	16.8	1.2	.3	.54	33
April	90.9	5	1.2	3.03	180
May	157.0	6.5	3.8	5.06	311
June	77.4	3.8	1.9	2.58	154
July	95.2	9.5	1.4	3.07	189
August	36.0	1.4	1.1	1.23	75
September	34.1	1.2	1.0	1.14	68
Water year 1934-35	559.1	9.5	.2	1.53	1,110

Pitman Creek below Tamarack Creek, Calif.

Location.- Water-stage recorder, lat. 37°12', long. 119°12', in NW¼ sec. 35, T. 8 S., R. 25 E., 500 feet below Tamarack Creek, 3 miles above mouth, and 3 miles southeast of Big Creek. Altitude, about 7,100 feet.

Drainage area.- 22.0 square miles.

Records available.- December 1927 to September 1935.

Extremes.- Maximum discharge during year, 605 second-feet May 23 (gage height, 5.94 feet); minimum, 0.2 second-foot several days in October and November.
1927-35: Maximum discharge, 605 second-feet May 16, 1932, and May 23, 1935 (gage height, 5.93 and 5.94 feet); no flow part of Nov. 24, 1930, and Oct. 15-18, 1931.

Remarks.- Records good except those for period of ice effect, Nov. 21 to Apr. 18, which were estimated; discharge Aug. 9-26 and Sept. 24-30 also estimated. No diversions above station; practically all flow diverted to Huntington-Shaver Tunnel just below. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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	1.5						108	293	32	1.4	0.6
2	.2	.7						100	350	30	1.2	.6
3	.2	.4						108	400	29	1.0	.5
4	.2	.4						137	387	26	.8	.5
5	.2	.4						204	350	23	.8	.5
6	.2	.4						270	326	22	.6	.4
7	.3	.4						307	313	20	.5	.4
8	.2	.3						320	270	19	.5	.4
9	.2	.3						345	.243	18	.5	.4
10	.2	.3					52	345	230	16	.5	.4
11	.2	.3						345	223	15	.5	.4
12	.2	.3						296	205	13	.5	.4
13	.2	.2						260	178	13	.5	.4
14	.2	.2						268	153	12	.5	.4
15	.2	.7						278	127	11	.5	.4
16	.2	1.5						238	114	12	.5	.4
17	.4	1.5						214	110	9.5	.5	.4
18	.7	1.3						246	106	8.5	.5	.4
19	.5	1.1					76	320	100	7.5	.4	.4
20	.5	.9					96	358	90	6.5	.4	.4
21	.4	.8					123	395	81	6	.4	.4
22	.4	.5					132	425	73	5.5	.4	.4
23	.4	.5					151	440	67	4.9	.4	.4
24	.3	.4					180	387	59	4.5	.4	.4
25	.3	.4					195	350	52	4.1	.4	.4
26	.2	.3					200	400	48	3.3	1.4	.4
27	.2	.3					211	400	45	2.9	5.5	.4
28	.2	.3					211	374	42	2.5	1.6	.4
29	.2	.3					200	322	36	2.2	1.1	.4
30	.2	.3					138	254	34	1.6	.8	.4
31	.5	-					-	234	-	1.4	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8.7	0.7	0.2	0.28	17
November	17.2	1.5	.2	.57	34
December	31	-	-	1.0	61
Calendar year 1934	5,766.0	113	.2	15.8	11,440
January	62	-	-	2.0	123
February	252	-	-	9	500
March	403	-	-	13	799
April	2,849	211	-	95.0	5,650
May	9,048	440	100	292	17,950
June	5,107	400	34	170	10,130
July	381.9	32	1.4	12.3	757
August	25.7	5.5	.4	.83	51
September	12.7	.6	.4	.42	25
Water year 1934-35	18,198.2	440	.2	49.9	36,100

Shaver Lake near Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°09', long. 119°18', in SE¼ sec. 13, T. 9 S., R. 24 E., at dam on Stevenson Creek 6 miles southwest of Big Creek.

Records available.- October 1927 to September 1935.

Remarks.- This is largest storage unit of Big Creek system of Southern California Edison Co., Ltd. Elevation of crest of dam, 5,371 feet above mean sea level. Water is received from Huntington Lake Reservoir and Pitman Creek through Huntington-Shaver Conduit and is released through power house no. 2A, on Big Creek. Table shows contents available for release and is furnished by Southern California Edison Co., Ltd.

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	4,924	5,202	6,034	7,191	4,701	2,129	1,653	20,079	98,100	135,087	126,667	91,339
2	4,928	5,213	6,047	7,210	4,777	2,041	1,685	20,489	101,359	136,087	125,801	90,670
3	4,928	5,221	6,059	7,196	4,463	2,171	2,199	20,934	103,835	135,109	124,676	89,806
4	4,931	5,229	6,043	7,361	4,269	1,987	2,593	21,542	105,489	135,109	123,610	88,870
5	4,931	5,236	6,030	7,474	4,613	2,072	2,939	22,333	107,054	135,044	122,373	87,799
6	4,949	5,244	6,013	7,554	5,017	2,022	3,362	23,036	108,589	135,044	121,163	86,751
7	4,953	5,248	5,997	7,602	5,252	1,948	4,429	25,074	110,132	135,044	119,936	85,532
8	4,956	5,255	6,009	7,630	5,411	1,854	5,752	28,145	111,807	135,044	118,735	84,309
9	4,956	5,263	6,026	7,432	5,500	1,948	6,197	31,189	113,773	135,152	117,498	83,182
10	4,960	5,271	6,030	7,469	5,596	2,030	6,586	34,229	115,180	135,066	116,304	82,134
11	4,963	5,274	5,993	7,545	5,628	1,983	7,011	37,445	116,490	135,000	115,344	81,131
12	4,963	5,278	6,001	7,564	5,488	1,822	7,295	40,751	117,786	134,957	114,098	80,097
13	4,967	5,286	6,267	7,356	5,290	1,561	7,742	43,650	119,004	135,065	112,880	78,955
14	4,967	5,290	6,772	7,361	4,974	1,457	8,564	46,508	120,913	135,349	111,645	77,921
15	4,967	5,427	6,853	7,300	4,568	1,173	9,811	49,377	123,379	135,414	110,416	77,179
16	4,971	5,472	6,921	7,105	4,009	1,133	10,303	52,165	126,265	135,436	109,210	76,290
17	5,003	5,592	6,903	6,916	3,483	1,330	10,742	54,901	128,579	135,327	107,949	75,307
18	5,060	5,708	6,948	6,813	3,206	1,293	11,165	57,842	130,438	135,305	106,736	74,331
19	5,071	5,784	6,988	6,763	3,058	1,283	11,652	61,062	131,965	135,327	105,489	73,342
20	5,067	5,824	7,029	6,547	2,765	1,365	12,330	63,866	133,347	135,283	104,285	72,364
21	5,075	5,856	7,069	6,400	2,898	1,462	13,187	66,579	134,391	135,393	103,052	71,406
22	5,085	5,884	7,047	6,213	2,964	1,538	13,810	69,340	134,783	135,152	101,824	70,682
23	5,089	5,930	7,074	5,938	3,010	1,539	14,357	72,168	134,674	134,717	100,822	69,801
24	5,096	5,951	7,047	5,808	3,048	1,660	14,979	74,941	134,065	134,021	99,388	68,864
25	5,103	5,976	7,074	5,680	2,913	1,681	15,606	77,904	133,608	133,217	98,196	67,935
26	5,111	5,997	7,101	5,728	2,627	1,734	16,234	81,165	134,021	132,439	96,971	67,027
27	5,114	6,022	7,164	5,608	2,411	1,638	17,016	83,920	134,696	131,663	95,749	66,162
28	5,122	6,038	7,201	5,278	2,289	1,648	17,931	86,607	134,609	130,996	94,663	65,330
29	5,126	6,069	7,155	5,301	-	1,436	19,014	89,292	135,109	129,968	93,775	64,933
30	5,130	6,080	7,182	5,232	-	1,431	19,587	92,457	135,174	128,877	92,831	64,109
31	5,175	-	7,168	4,963	-	1,694	-	95,177	-	127,772	91,898	-

Note. Contents on Sept. 30, 1934, was 4,920 acre-feet.

Huntington-Shaver Conduit at outlet, Calif.

Location.- Water-stage recorder, lat. 37°10', long. 119°14', at tunnel outlet in SW¼ sec. 10, T. 9 S., R. 25 E., 4 miles south of Big Creek. Altitude, about 6,680 feet.

Records available.- October 1928 to September 1935.

Extremes.- Maximum mean daily discharge during year, 1,620 second-feet May 27, June 2; minimum, 1.8 second-feet Oct. 1-6.
1928-35: Maximum mean daily discharge, 1,640 second-feet May 27, 1932; minimum, 1.5 second-feet Sept. 12-16, 1934.

Remarks.- Records good. Conduit diverts water from Huntington Lake to Shaver Lake and picks up water from Pitman Creek and a little seepage en route. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Lts.

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	1.8	4.2	2.8	3.6	6.5	13	42	117	1,570	453	6.5	3.9
2	1.8	3.3	2.8	3.6	6.5	13	40	111	1,620	471	6.5	3.6
3	1.8	2.8	2.8	3.6	7	13	40	116	1,500	492	6	3.6
4	1.8	2.8	2.8	3.6	7.5	12	38	142	1,130	490	6	3.6
5	1.8	2.8	2.8	3.9	7.5	12	35	204	1,100	490	6	3.3
6	1.8	2.6	2.8	4.2	8	12	34	266	1,090	490	6	3.3
7	2.0	2.6	2.8	4.5	9	12	38	1,020	1,080	487	6	3.3
8	2.2	2.6	2.8	4.5	19	12	58	1,540	1,050	495	6	3.0
9	2.2	2.6	2.8	4.2	18	12	48	1,570	1,000	501	6	3.0
10	2.2	2.4	3.0	4.2	12	12	47	1,580	1,000	440	5.5	3.0
11	2.2	2.4	3.0	4.5	14	11	49	1,570	1,000	388	5	2.8
12	2.2	2.2	3.0	4.5	12	12	56	1,540	987	385	5	2.8
13	2.2	2.2	3.6	4.8	11	17	58	1,520	968	476	5	2.8
14	2.2	2.2	4.2	4.8	11	20	96	1,540	1,310	543	4.8	3.0
15	2.2	2.6	4.5	4.8	11	23	110	1,540	1,510	570	4.5	3.0
16	2.2	3.6	5	4.8	11	20	66	1,520	1,520	570	4.5	3.0
17	2.2	3.6	5.5	5	12	20	81	1,510	1,520	506	4.5	3.0
18	2.8	3.0	4.8	5.5	12	20	74	1,530	1,320	543	4.2	3.0
19	2.6	2.8	4.8	5	14	18	82	1,570	1,130	555	4.2	3.0
20	2.6	2.8	4.8	4.8	17	16	102	1,550	1,110	476	4.2	3.0
21	2.4	2.8	4.8	4.5	17	16	123	1,560	896	506	4.2	3.0
22	2.4	2.8	4.8	4.8	16	14	133	1,580	536	352	3.9	3.0
23	2.4	2.8	4.5	5	17	12	151	1,600	81	160	3.9	3.0
24	2.4	2.8	4.5	5.5	16	13	178	1,570	73	70	3.9	3.0
25	2.4	2.8	4.2	5.5	14	15	194	1,560	178	18	3.9	3.0
26	2.4	2.8	4.2	5.5	14	18	200	1,600	639	18	4.2	3.0
27	2.4	2.8	4.2	6	14	20	206	1,620	729	17	9.5	3.0
28	2.4	2.8	3.9	6	13	25	210	1,600	405	16	5	2.8
29	2.4	2.8	3.9	6	-	29	206	1,580	639	12	4.5	3.0
30	2.4	2.8	3.9	6	-	36	142	1,540	534	7	4.2	3.0
31	2.6	-	3.9	6	-	39	-	1,540	-	7	3.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	69.4	2.8	1.8	2.24	138
November	84.1	4.2	2.2	2.80	167
December	118.2	5.5	2.6	3.81	234
Calendar year 1934	6,798.5	117	1.5	18.6	12,470
January	149.2	6	3.6	4.81	296
February	347.0	19	6.5	12.4	688
March	537	39	11	17.3	1,070
April	2,957	210	34	98.6	5,870
May	39,406	1,620	111	1,271	78,160
June	29,225	1,620	73	974	57,970
July	11,004	570	7	355	21,830
August	157.5	9.5	3.9	5.08	312
September	92.8	3.9	2.8	3.09	184
Water year 1934-35	84,147.2	1,620	1.8	231	166,900

Fresno River near Knowles, Calif.

Location.- Water-stage recorder, lat. 37°14', long. 119°46', in NW¼ sec. 15, T. 8 S., R. 20 E., at Fresno Crossing, 0.1 mile below Bean Gulch and 6 miles northeast of Knowles. Altitude, about 1,140 feet.

Drainage area.- 132 square miles.

Records available.- September 1911 to January 1914, November 1915 to September 1935.

Average discharge.- 20 years (1911-12, 1916-35), 65.1 second-feet.

Extremes.- Maximum discharge during year, 2,170 second-feet Apr. 8 (gage height, 4.06 feet); no flow Oct. 1-10.
1911-14, 1915-35: Maximum discharge, about 4,500 second-feet Feb. 21, 1917 (gage height, 6.0 feet at former staff gage); no flow at times in 1919, 1924, 1926, 1928-31, 1933-34.

Remarks.- Records good except those estimated, May 6-25. Water is brought into this drainage basin from San Joaquin and Merced River Basins; also small diversions above station for irrigation.

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

0.6	0	1.1	5.7	1.6	78	2.2	296	3.2	980
.7	.1	1.2	11	1.7	108	2.4	380	3.4	1,230
.8	.3	1.3	20	1.8	142	2.6	475	3.6	1,500
.9	1.3	1.4	36	1.9	178	2.8	600	3.8	1,790
1.0	2.9	1.5	54	2.0	216	3.0	765	4.0	2,090

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	10	16	26	73	87	142	272	193	78	17	3.7
2	0	14	16	23	71	111	132	248	193	76	16	3.5
3	0	11	15	22	71	122	221	228	197	73	16	3.2
4	0	10	15	31	87	156	276	212	193	68	15	3.2
5	0	9	15	483	149	142	205	208	193	66	10	2.9
6	0	8.5	14	167	272	125	186		189	64	9	2.9
7	0	8	15	90	276	511	475		186	59	8.5	2.7
8	0	7.5	15	99	321	325	1,390		186	56	8	3.2
9	0	7	15	284	232	240	615		182	54	8	4.0
10	0	6	15	243	201	201	394		182	52	8	3.7
11	.4	5.5	14	156	164	193	325		178	50	8	3.5
12	1.0	7	14	102	146	193	288		174	46	7	2.7
13	1.0	7.5	16	81	139	205	260		171	44	5.5	2.7
14	.9	7.5	155	141	128	208	272		167	43	5.5	2.7
15	1.1	29	111	584	115	193	771	200	156	41	5.5	2.7
16	1.3	90	54	216	105	167	554		149	37	5.5	3.2
17	3.5	44	37	156	102	153	372		149	34	5.5	3.5
18	14	61	30	208	102	146	313		156	30	5.5	4.0
19	17	90	26	189	99	142	284		149	28	5.5	3.5
20	10	54	20	125	99	132	276		139	26	5	2.7
21	8	34	18	115	93	160	260		132	26	4.6	2.7
22	8	26	18	108	93	142	236		126	28	4.3	2.7
23	6	24	17	108	99	160	236		116	29	4.0	2.6
24	5.5	28	16	105	93	197	232		108	29	4.0	2.6
25	5.5	20	16	108	81	149	224		99	28	3.7	3.2
26	4.9	18	15	108	76	142	216	197	93	26	4.0	2.7
27	4.6	17	30	99	73	139	216	197	84	24	4.6	3.5
28	4.3	16	78	90	68	142	208	189	81	22	4.9	3.5
29	4.3	16	44	87	-	142	443	186	81	22	4.6	3.5
30	4.3	16	34	81	-	146	402	189	81	20	4.3	4.0
31	5.5	-	32	78	-	146	-	193	-	18	4.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	111.1	17	0	3.58	220
November	701.5	90	5.5	23.4	1,390
December	946	155	14	30.5	1,880
Calendar year 1934	7,913.6	265	0	21.7	15,700
January	4,513	584	22	146	8,950
February	3,628	321	68	130	7,200
March	5,417	611	87	175	10,740
April	10,424	1,390	132	347	20,680
May	6,319	272	-	204	12,530
June	4,481	197	81	149	8,890
July	1,297	78	18	41.8	2,570
August	221.0	17	3.7	7.13	438
September	95.2	4.0	2.6	3.17	189
Water year 1934-35	38,153.8	1,390	0	105	75,680

Chowchilla River at Buchanan dam site, Calif.

Location.- Water-stage recorder, lat. 37°13', long. 120°, in SW¼ sec. 22, T. 8 S., R. 18 E., 1.4 miles above Raynor Creek and 5 miles west of Raymond. Altitude, about 390 feet.

Drainage area.- 238 square miles.

Records available.- October 1921 to September 1923, October 1930 to September 1935.

Extremes.- Maximum discharge during year, 5,510 second-feet Apr. 8 (gage height, 9.74 feet); no flow for several months.
1921-23, 1930-35: Maximum discharge, 8,520 second-feet Dec. 28, 1931 (gage height, 11.65 feet); no flow several months each year.

Remarks.- Records good except those estimated, Aug. 13-31. No large diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	6	37	127	91	168	402	68	13	1.2	
2		0	6	30	118	150	159	326	61	12	1.1	
3		0	5.5	26	112	186	251	282	57	12	.9	
4		0	5	32	129	186	642	246	52	12	.9	
5		0	5	1,840	206	328	369	228	47	11	1.0	
6		0	4.8	460	406	192	270	215	44	10	.9	
7		0	4.3	182	526	1,200	805	196	42	9.5	.8	
8		0	4.2	234	471	915	2,980	184	39	9.5	.8	
9		0	4.2	684	334	544	1,330	175	37	9	.8	
10		0	4.2	645	287	408	816	166	35	8.5	.7	
11		0	4.2	299	235	375	620	158	34	8	.6	
12		0	4.3	190	209	372	508	151	32	7.5	.5	
13		0	6.5	138	202	357	454	151	31	6.5	.4	
14		0	278	150	178	337	427	142	29	6	.3	
15		0	212	1,710	156	294	879	133	29	5.5	.3	
16		40	64	601	142	258	865	129	28	5.5	.3	
17		17	36	402	133	233	526	123	27	4.7	.3	
18		17	26	435	127	213	464	119	24	4.0	.3	
19		59	20	601	126	200	411	112	23	3.4	.2	
20		31	17	326	119	180	378	105	20	3.1	.2	
21		19	14	258	112	215	348	97	18	3.0	.2	
22		12	13	231	108	256	320	91	18	2.9	.1	
23		12	12	224	119	251	304	85	16	2.8	.1	
24		13	10	224	113	447	284	81	16	2.6	.1	
25		12	10	237	100	277	265	81	15	2.4	.1	
26		9	9.5	233	93	235	246	76	15	2.2	.1	
27		8	13	204	90	220	231	71	14	2.0	.1	
28		7	72	180	85	206	220	67	13	1.9	.1	
29		6.5	85	166	-	194	719	65	13	1.7	.1	
30		6	45	146	-	184	729	69	13	1.6	.1	
31		-	46	138	-	175	-	76	-	1.4	.1	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	268.5	59	0	8.95	533
December	1,048.7	278	4.2	33.8	2,080
Calendar year 1934	6,665.4	1,010	0	18.3	13,220
January	11,263	1,840	26	363	22,340
February	5,163	526	65	184	10,240
March	9,681	1,200	91	312	19,200
April	16,988	2,980	159	566	33,700
May	4,602	402	65	148	9,130
June	910	68	13	30.3	1,800
July	185.2	13	1.4	5.97	367
August	13.7	1.2	.1	.44	27
September	0	0	0	0	0
Water year 1934-35	50,123.1	2,980	0	137	99,420

Note.- No flow during months left blank.

Merced River at Happy Isles Bridge, near Yosemite, Calif.

Location.- Water-stage recorder, lat. 37°43'54", long. 119°33'28", at Happy Isles Bridge, 0.4 mile below Illilouette Creek and 1½ miles southeast of Yosemite, in Yosemite National Park, Mariposa County. Altitude, about 4,000 feet.

Drainage area.- 181 square miles.

Records available.- August 1915 to September 1935.

Average discharge.- 20 years, 307 second-feet.

Extremes.- Maximum discharge during year, 2,820 second-feet June 5 (gage height, 6.15 feet); minimum, 8.5 second-feet Oct. 6.
1915-35: Maximum discharge, 3,800 second-feet May 28, 1919 (gage height, 7.10 feet); minimum, 1.5 second-feet Sept. 30, 1926.

Remarks.- Records good except those estimated, Jan. 19-22, May 29 to June 2. Small diversion above station for Yosemite Valley water supply.

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	9.5	89	73	52	104	99	312	730	1,600	758	198	59
2	9.5	83	62	50	110	99	291	622	2,100	622	178	51
3	9.5	73	61	47	115	98	298	570	2,280	570	151	47
4	9.5	66	57	55	119	95	288	601	2,470	535	137	42
5	9.5	68	48	64	160	89	262	815	2,470	555	128	38
6	9	65	48	68	206	91	242	1,200	2,420	555	117	35
7	17	59	47	71	171	85	305	1,420	2,280	488	105	32
8	17	52	47	72	149	93	375	1,540	2,190	440	95	29
9	23	47	45	72	133	122	295	1,620	2,100	421	88	26
10	23	43	42	73	126	139	282	1,580	2,140	424	86	24
11	22	40	42	73	119	122	315	1,350	2,240	421	89	21
12	20	37	43	64	109	113	367	1,200	2,280	424	92	20
13	18	35	57	68	110	151	379	1,170	2,100	466	98	18
14	17	34	88	63	104	200	643	1,280	1,870	617	92	18
15	16	53	83	64	93	188	693	1,310	1,540	680	86	18
16	16	85	72	71	98	160	586	1,170	1,420	1,240	84	16
17	21	88	71	70	105	141	461	899	1,540	752	80	16
18	34	93	63	69	126	135	488	845	1,660	575	69	15
19	39	98	64	65	151	120	648	1,100	1,740	483	62	14
20	44	101	62	62	162	107	821	1,420	1,780	409	58	13
21	48	98	61	68	143	109	965	1,660	1,660	342	56	13
22	51	99	56	70	137	99	935	1,960	1,580	275	54	13
23	51	104	48	71	139	109	998	2,140	1,420	239	51	13
24	46	86	55	74	122	107	1,100	2,050	1,200	230	50	14
25	41	91	46	80	104	109	1,140	1,830	1,100	224	49	14
26	43	86	44	86	109	128	1,140	2,050	1,140	219	53	13
27	45	83	46	84	107	151	1,170	1,960	1,240	203	90	12
28	45	75	41	81	104	200	1,170	1,870	1,100	190	216	11
29	43	73	41	85	-	262	1,240	1,700	959	173	139	10
30	41	73	55	91	-	319	917	1,100	827	164	92	10
31	41	-	52	95	-	305	-	950	-	180	71	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	878.5	51	9	28.3	1,740
November	2,177	104	34	72.6	4,320
December	1,720	88	41	55.5	3,410
Calendar year 1934	60,100.2	857	4.1	165	119,200
January	2,178	95	47	70.3	4,320
February	3,537	208	93	126	7,020
March	4,345	319	85	140	8,620
April	19,326	1,240	242	644	38,330
May	41,712	2,140	570	1,346	82,730
June	52,446	2,470	827	1,748	104,000
July	13,874	1,240	164	448	27,520
August	3,014	216	49	97.2	5,980
September	675	59	10	22.5	1,340
Water year 1934-35	145,882.5	2,470	9	400	289,300

Merced River at Pohono Bridge, near Yosemite, Calif.

Location.- Water-stage recorder, lat. 37°43'1", long. 119°39'55", 0.4 mile above Artist Creek and 5 miles below Yosemite, in Yosemite National Park, Mariposa County. Altitude, about 3,870 feet.

Drainage area.- 321 square miles.

Records available.- November 1916 to September 1935.

Average discharge.- 18 years (1917-35), 520 second-feet.

Extremes.- Maximum discharge during year, 5,110 second-feet June 5 (gage height, 9.44 feet); minimum, 16 second-feet Oct. 1-3.
1916-35: Maximum discharge, 6,370 second-feet June 5, 1922 (gage height, 10.0 feet); minimum, 3.3 second-feet Sept. 29, Oct. 1, 1924.

Remarks.- Records excellent. Small diversion above station for Yosemite Valley water supply.

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

0.8	10.5	2.2	156	3.6	535	6.5	2,230
1.0	20.0	2.4	194	3.8	615	7.0	2,640
1.2	33	2.6	236	4.0	695	7.5	3,100
1.4	50	2.8	286	4.5	930	8.0	3,600
1.6	70	3.0	340	5.0	1,200	8.5	4,120
1.8	93	3.2	400	5.5	1,500	9.0	4,670
2.0	122	3.4	465	6.0	1,850	9.5	5,220

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	16	116	149	104	214	227	675	1,470	2,910	1,060	234	99
2	16	125	125	104	229	225	635	1,290	3,800	905	223	87
3	16	107	122	99	241	218	655	1,200	4,340	855	194	79
4	17	93	114	132	248	214	635	1,290	4,670	785	176	73
5	17	93	97	161	329	198	575	1,710	4,670	762	167	67
6	18	94	97	151	448	210	535	2,470	4,450	762	154	63
7	21	86	93	158	379	204	655	2,910	4,120	695	140	59
8	24	79	92	161	329	188	905	3,200	3,900	635	127	56
9	25	71	91	167	286	174	675	3,400	3,600	595	119	51
10	29	66	86	156	270	182	635	3,300	3,500	595	114	47
11	29	62	87	163	248	212	675	2,910	3,600	575	114	45
12	27	58	91	142	232	250	808	2,550	3,800	555	118	42
13	25	55	122	140	234	340	880	2,470	3,400	595	125	40
14	24	52	208	145	227	437	1,320	2,730	2,910	718	120	39
15	24	91	200	143	204	418	1,850	2,820	2,390	785	113	39
16	24	163	163	145	214	352	1,230	2,470	2,190	1,320	112	38
17	27	172	156	151	223	312	980	1,960	2,310	830	104	36
18	42	160	135	149	263	302	1,030	1,850	2,390	675	96	35
19	50	168	135	125	323	270	1,290	2,390	2,550	575	88	33
20	54	184	135	113	358	246	1,640	2,910	2,550	500	82	32
21	60	178	128	143	307	246	1,920	3,400	2,310	427	79	32
22	63	186	120	151	302	214	1,850	3,900	2,190	361	76	32
23	64	202	103	154	312	250	1,960	4,230	1,990	312	73	32
24	60	170	113	161	260	238	2,190	4,230	1,710	291	70	31
25	54	178	100	172	229	250	2,190	3,800	1,570	281	68	31
26	53	172	92	184	241	291	2,230	4,230	1,540	268	70	31
27	56	165	101	186	238	343	2,310	4,120	1,640	253	92	30
28	56	147	93	178	229	444	2,390	4,010	1,500	236	214	30
29	55	145	82	182	-	575	2,470	3,700	1,320	216	208	29
30	53	145	110	194	-	675	1,850	2,640	1,140	206	151	28
31	54	-	104	200	-	655	-	2,190	-	218	114	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,153	64	16	37.2	2,290
November	3,823	202	52	127	7,580
December	3,644	208	82	118	7,230
Calendar year 1934	100,442	1,320	10	275	199,200
January	4,714	200	99	152	9,350
February	7,617	448	204	272	15,110
March	9,360	675	174	302	18,570
April	39,643	2,470	535	1,321	78,630
May	87,750	4,230	1,200	2,831	174,000
June	84,960	4,670	1,140	2,832	168,500
July	17,846	1,320	206	576	35,400
August	3,935	234	68	127	7,900
September	1,366	99	28	45.5	2,710
Water year 1934-35	265,811	4,670	16	728	527,200

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Merced River at Kittridge, Calif.

Location.- Water-stage recorder, lat. 37°39', long. 120°11', in sec. 26, T. 3 S., R. 16 E., 0.2 mile below White Gulch, a quarter of a mile below Kittridge, and 3 miles above Horseshoe Bend. Altitude, about 750 feet.

Drainage area.- 935 square miles.

Records available.- November 1928 to September 1935; November 1922 to November 1928 at site 1¼ miles downstream.

Extremes.- Maximum discharge during year, 23,200 second-feet Apr. 8 (gage height, 21.5 feet); minimum, 27 second-feet Oct. 2, 3
1922-35: Maximum discharge, that of Apr. 8, 1935; minimum, 13 second-feet Oct. 5, 1925.

Remarks.- Records good except those estimated, Dec. 4, Apr. 8, 9, June 23 to July 12, Sept. 30. No large diversions 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	27	104	248	288	752	608	1,740	3,600	4,260	1,350	290	156
2	27	182	246	272	752	712	1,630	3,100	5,760	1,230	304	139
3	28	185	210	262	752	732	2,260	2,800	6,600	1,100	282	125
4	30	158	202	452	792	980	3,400	2,800	7,080	1,000	250	118
5	30	142	195	3,650	1,070	1,000	2,610	3,300	7,080	950	240	111
6	30	135	183	1,400	1,520	875	2,120	4,370	6,840	920	232	103
7	31	139	181	812	1,700	2,640	3,340	5,280	6,600	900	220	98
8	33	128	170	987	1,520	2,160	15,900	5,520	6,120	896	199	91
9	38	119	169	2,570	1,290	1,600	5,760	5,760	5,520	833	185	88
10	42	111	167	1,960	1,140	1,260	4,040	5,760	5,400	810	174	83
11	42	103	161	1,070	1,000	1,170	3,200	5,160	5,400	792	166	77
12	39	98	161	812	917	1,290	2,900	4,700	5,640	792	166	75
13	36	93	186	652	854	1,560	2,800	4,480	5,160	792	169	70
14	38	90	1,140	732	812	1,800	3,100	4,480	4,590	875	174	67
15	39	157	896	1,460	752	1,700	5,760	4,810	3,820	1,000	167	67
16	42	463	564	1,200	692	1,380	4,810	4,480	3,400	1,350	162	66
17	54	350	420	1,140	672	1,170	3,600	3,600	3,400	1,230	159	66
18	72	434	359	1,230	712	1,050	3,200	3,200	3,600	959	153	63
19	96	672	320	1,170	792	980	3,400	3,930	3,600	812	143	59
20	92	513	301	833	875	875	3,710	4,920	3,820	712	135	56
21	83	380	293	732	854	1,020	4,040	5,400	3,500	636	127	55
22	91	329	272	712	792	938	4,040	6,360	3,200	564	122	53
23	99	332	260	752	812	1,050	4,040	6,720	3,000	513	116	52
24	98	368	226	917	772	1,260	4,370	6,840	2,700	456	111	52
25	92	304	234	1,070	672	1,170	4,370	5,880	2,400	427	108	52
26	83	304	214	1,070	636	1,200	4,370	6,600	2,100	393	107	52
27	81	288	224	1,000	616	1,260	4,370	6,600	1,950	380	111	51
28	84	272	405	917	600	1,320	4,590	6,360	1,920	362	136	50
29	84	248	341	833	-	1,490	5,760	6,120	1,700	347	265	50
30	83	246	298	812	-	1,700	4,700	4,590	1,500	298	238	50
31	91	-	320	772	-	1,770	-	3,600	-	280	190	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,837	99	27	59.3	3,640
November	7,447	672	90	248	14,770
December	9,566	1,140	161	309	18,970
Calendar year 1934	181,049	3,010	16	496	359,100
January	32,539	3,650	262	1,050	64,540
February	25,120	1,700	600	897	49,820
March	39,720	2,640	608	1,281	78,780
April	123,930	15,900	1,630	4,131	245,800
May	151,120	6,840	2,800	4,875	299,700
June	127,660	7,080	1,500	4,255	253,200
July	23,959	1,350	280	773	47,520
August	5,601	304	107	181	11,110
September	2,295	156	50	76.5	4,550
Water year 1934-35	550,794	15,900	27	1,509	1,092,000

Lake McClure at Exchequer, Calif.

Location.- Staff gage, lat. 37°35', long. 120°16', in SW¼ sec. 13, T. 4 S., R. 15 E., at Exchequer Dam, on Merced River, 5 miles northeast of Merced Falls. Elevation of zero of gage is mean sea level.

Drainage area.- 1,020 square miles.

Records available.- April 1926 to September 1935.

Remarks.- This is main storage unit for Merced Irrigation District. Elevation of crest of dam is 714.0 feet, top of spillway gate 707.0 feet, and spillway 693.0 feet above mean sea level. Released water passes through power house at dam and down Merced River to diversion dam below Merced Falls, where it enters main irrigation canal. Gage-height record furnished by Merced 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		484.0	530.7	561.1	623.3	637.5	648.0	694.2	696.9	707.3	684.2	646.2
2		486.0	531.7	561.8	623.5	637.0	648.6	693.8	697.7	706.9	683.1	644.9
3		488.5	532.5	562.5	623.9	636.5	649.9	693.4	698.5	706.4	682.0	643.6
4		489.6	533.3	563.5	624.9	636.4	652.6	693.5	699.0	706.0	680.8	642.3
5		490.7	534.0	572.7	626.4	636.5	654.3	694.1	699.2	705.5	679.6	641.0
6		492.0	534.6	576.1	628.4	636.2	655.3	695.1	699.0	705.0	678.4	639.6
7		493.0	535.2	578.0	630.4	639.1	658.2	696.0	698.8	704.5	677.2	638.2
8		494.1	535.8	580.5	632.6	641.0	678.2	696.5	698.6	703.9	675.9	636.8
9		495.1	536.0	585.4	634.4	641.9	683.4	696.8	698.2	703.2	674.7	635.4
10		495.9	536.5	589.6	636.1	642.3	686.2	696.9	699.7	702.5	673.5	634.1
11		496.6	537.0	591.9	637.4	642.4	687.6	696.6	702.4	701.9	672.3	632.7
12		697.2	537.3	593.6	638.3	642.7	687.5	696.3	705.0	701.1	671.0	631.3
13		498.1	538.0	595.0	639.6	643.3	687.4	696.1	706.6	700.4	669.8	630.0
14		498.7	543.6	596.0	640.7	644.0	687.7	696.0	707.0	699.9	668.6	628.5
15		500.0	546.8	600.4	641.5	644.7	689.8	697.1	707.0	699.4	667.3	627.1
16		503.0	548.4	603.1	642.3	645.1	690.7	697.6	706.6	699.1	666.1	625.7
17		505.7	549.7	605.6	643.3	645.1	690.6	696.9	706.5	698.8	664.8	624.3
18		508.7	550.7	608.6	642.8	645.1	690.0	696.4	707.0	698.1	663.6	622.9
19		512.9	551.6	611.2	642.4	644.9	689.5	696.6	707.5	697.4	662.3	621.4
20		515.8	552.5	612.8	641.7	644.6	689.3	697.2	708.1	696.6	661.1	620.0
21		517.7	553.3	614.1	641.3	644.6	689.4	697.7	708.2	695.8	659.8	618.5
22		519.4	553.9	615.2	641.0	644.4	689.6	698.4	708.0	694.8	658.5	617.1
23		521.0	554.6	615.4	640.5	644.5	689.6	698.8	707.8	693.8	657.2	615.6
24		522.8	555.2	617.9	-	644.9	690.1	699.0	707.6	692.8	655.9	614.1
25		524.2	555.7	619.6	640.0	645.0	690.6	698.6	707.7	691.7	654.3	612.7
26		525.5	556.3	620.5	639.4	645.2	691.2	698.8	707.8	690.7	653.3	611.3
27		526.7	556.9	621.1	638.7	645.4	691.8	698.8	707.9	689.6	652.3	609.9
28		527.8	557.7	621.6	638.1	645.6	692.5	698.7	707.9	688.6	650.8	608.4
29		528.3	558.8	622.3	-	646.0	694.4	698.6	707.7	687.5	649.8	607.0
30		529.7	559.7	622.6	-	646.6	694.7	697.7	707.6	686.4	648.6	605.6
31		-	560.5	623.0	-	647.3	-	696.9	-	685.3	647.4	-

Note.- No record during October; water below gage.

Merced River at Exchequer, Calif.

Location.- Water-stage recorder, lat. 37°35', long. 120°17', about on line between secs. 14 and 23, T. 4 S., R. 15 E., at Exchequer, half a mile below Lake McClure, 0.7 mile below Cotton Creek, and 5 miles northeast of Merced Falls. Altitude, about 400 feet.

Drainage area.- 1,030 square miles.

Records available.- October 1922 to September 1935; November 1915 to October 1922 at site 1 mile upstream.

Average discharge.- 19 years (1916-35), 1,059 second-feet; affected by storage in Lake McClure since Apr. 20, 1926.

Extremes.- Maximum discharge during year, 7,840 second-feet May 24 (gage height, 9.31 feet); minimum, 5 second-feet Jan. 5.
1915-35: Maximum discharge, about 22,000 second-feet Jan. 17, 1916 (gage height, 20.0 feet at old station); minimum, that of Jan. 5, 1935.

Remarks.- Records good except those estimated, Oct. 13-17. No large diversions. See record for Lake McClure, which stores water above station.

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

-0.4	4	0.6	93	1.6	325	3.2	1,090	6.0	3,480
-.2	9	.8	128	1.8	390	3.6	1,370	7.0	4,640
.0	19	1.0	170	2.0	465	4.0	1,650	7.7	5,530
.2	36	1.2	216	2.4	635	4.5	2,050	8.5	6,640
.4	63	1.4	267	2.8	845	5.0	2,490	9.3	7,840

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	16	24	49	505	1,100	1,140	4,640	4,280	1,810	1,540	1,200
2	29	26	25	31	511	1,100	1,140	3,700	4,880	1,770	1,540	1,200
3	30	32	20	33	504	1,100	1,150	3,360	6,220	1,770	1,540	1,200
4	30	48	19	36	43	1,100	1,160	2,660	7,090	1,690	1,540	1,200
5	29	23	19	45	22	1,100	1,160	2,580	7,540	1,690	1,540	1,200
6	28	30	19	62	22	1,100	1,160	3,280	7,540	1,650	1,540	1,200
7	39	30	18	35	22	1,120	1,180	4,400	7,240	1,650	1,510	1,200
8	21	31	28	41	22	1,120	1,240	5,270	6,790	1,650	1,510	1,160
9	22	30	96	39	23	1,120	1,240	5,940	6,360	1,650	1,480	1,160
10	28	30	48	33	25	1,120	1,240	6,220	3,520	1,650	1,440	1,120
11	78	38	35	32	25	1,120	1,980	5,940	2,050	1,650	1,440	1,090
12	74	50	35	31	23	1,120	3,280	5,400	2,260	1,650	1,440	1,090
13	30	30	37	46	24	1,120	3,080	5,010	3,040	1,650	1,400	1,090
14	30	30	51	31	24	1,130	3,080	4,760	3,910	1,480	1,400	1,080
15	30	30	34	53	24	1,130	4,040	3,560	3,810	1,620	1,400	1,080
16	30	26	46	37	24	1,130	4,160	4,000	3,810	1,650	1,400	1,080
17	32	29	28	36	26	1,130	4,160	4,640	3,380	1,650	1,370	1,020
18	35	37	30	42	1,050	1,130	4,160	3,920	2,880	1,650	1,370	1,020
19	33	10	31	43	1,120	1,130	4,160	3,810	2,790	1,650	1,370	1,020
20	33	18	30	7.5	1,120	1,130	4,160	4,400	2,880	1,650	1,340	990
21	58	25	31	16	1,120	1,130	4,160	5,010	3,260	1,650	1,300	990
22	33	25	31	24	1,120	1,130	4,160	5,940	3,280	1,650	1,300	990
23	30	26	32	23	1,120	1,130	4,160	6,790	3,180	1,650	1,300	990
24	33	25	50	23	1,120	1,130	4,040	7,390	2,680	1,620	1,300	960
25	33	31	50	44	1,120	1,140	3,920	6,940	2,050	1,620	1,260	930
26	29	26	32	464	1,120	1,130	3,920	6,940	1,890	1,620	1,260	930
27	32	23	31	507	1,110	1,140	3,920	7,090	1,970	1,580	1,230	930
28	40	25	32	503	1,100	1,140	3,920	7,090	2,050	1,540	1,230	900
29	36	40	31	508	-	1,140	4,040	6,790	1,970	1,540	1,200	900
30	33	25	32	501	-	1,140	4,880	5,940	1,850	1,540	1,200	900
31	28	-	36	505	-	1,140	-	4,760	-	1,540	1,200	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,080	78	21	34.8	2,140
November	867	50	10	28.9	1,720
December	1,061	96	18	34.2	2,100
Calendar year 1934	180,572	1,660	10	495	357,900
January	3,882.5	508	7.5	125	7,700
February	14,091	1,120	22	503	27,950
March	34,640	1,140	1,100	1,124	69,100
April	89,190	4,080	1,140	2,973	176,900
May	156,210	7,390	2,580	5,104	313,800
June	116,360	7,540	1,650	3,870	230,800
July	50,830	1,810	1,540	1,640	100,800
August	42,090	1,540	1,200	1,384	85,070
September	31,760	1,200	900	1,059	63,000
Water year 1934-35	545,061.5	7,540	7.5	1,493	1,081,000

Merced River near Livingston, Calif.

Location.- Water-stage recorder, lat. 37°23'29", long. 120°47'10", in SE¼ sec. 20, T. 6 S., R. 11 E., 3½ miles west of Livingston. Altitude, about 82 feet.

Records available.- March 1922 to September 1924, October 1925 to September 1935.

Average discharge.- 10 years (1925-35), 425 second-feet.

Extremes.- Maximum discharge during year, 5,620 second-feet June 6 (gage height, 13.46 feet); minimum, 75 second-feet Oct. 6.
1922-24, 1925-35: Maximum discharge, 6,100 second-feet June 5, 1922 (gage height, 15.80 feet, present datum); minimum recorded, 18 second-feet Aug. 30, 1924.

Remarks.- Records good. Practically entire flow is diverted above station during irrigation season; return water enters above station. Storage at Lake McClure. Gage-height record furnished by Merced 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	82	84	110	140	614	1,220	1,050	4,320	3,060	461	164	168
2	83	85	109	135	628	1,260	1,020	4,040	2,750	398	168	173
3	82	86	108	131	628	1,220	980	3,280	3,340	386	163	168
4	79	86	108	127	628	1,220	1,080	2,900	4,250	386	180	180
5	79	86	107	138	521	1,120	1,080	2,270	5,090	362	186	188
6	78	86	106	563	311	910	1,080	2,220	5,540	339	186	196
7	79	86	106	434	261	1,070	1,080	2,700	5,460	317	206	196
8	79	84	106	306	231	2,180	1,910	3,560	5,230	306	181	206
9	79	84	104	496	224	1,880	3,280	4,320	4,880	266	199	209
10	78	86	103	642	212	1,480	1,880	4,810	4,390	234	199	188
11	78	85	103	422	316	1,360	1,520	4,950	1,970	230	183	180
12	77	86	103	410	255	1,330	1,900	4,740	1,020	224	171	156
13	77	85	109	311	214	1,300	2,950	4,180	1,060	209	181	160
14	76	84	115	249	196	1,300	2,900	3,670	1,680	218	188	163
15	77	84	328	368	188	1,260	3,120	3,440	2,160	226	192	152
16	78	86	281	1,080	177	1,260	3,970	2,400	2,200	226	196	168
17	83	89	200	628	169	1,260	4,250	2,960	2,250	205	205	156
18	83	92	168	547	162	1,260	3,970	3,120	1,850	187	207	150
19	82	100	151	814	487	1,190	3,910	2,800	1,410	190	197	147
20	82	102	142	614	1,050	1,120	3,910	2,500	1,340	209	188	147
21	81	115	136	422	1,160	1,050	3,910	2,900	1,410	201	187	150
22	81	116	131	325	1,190	1,050	3,910	3,440	1,650	222	166	168
23	82	112	127	274	1,190	1,050	3,850	4,180	1,690	192	168	185
24	83	126	123	241	1,220	1,260	3,850	4,880	1,610	199	166	173
25	81	166	121	227	1,220	1,330	3,670	5,300	1,160	183	169	176
26	81	148	118	214	1,220	1,160	3,560	5,090	785	187	188	150
27	81	132	122	203	1,220	1,120	3,500	5,090	545	197	174	146
28	80	122	132	333	1,220	1,080	3,440	5,160	502	212	174	153
29	81	116	138	547	-	1,020	3,500	5,160	530	196	171	153
30	79	112	148	586	-	1,050	3,670	4,950	516	181	166	160
31	80	-	144	614	-	1,050	-	4,040	-	169	153	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,481	83	76	80.0	4,920
November	3,007	166	84	100	5,960
December	4,205	328	103	136	8,340
Calendar year 1934	47,275	1,030	76	130	93,810
January	12,539	1,080	127	404	24,870
February	17,112	1,220	162	611	33,940
March	38,420	2,180	910	1,239	76,200
April	83,700	4,250	980	2,790	166,000
May	119,170	5,300	2,220	3,844	236,400
June	71,328	5,540	502	2,378	141,500
July	7,718	461	169	249	15,310
August	5,619	207	153	181	11,150
September	5,064	209	146	169	10,040
Water year 1934-35	370,363	5,540	76	1,015	734,600

Tenaya Creek near Yosemite, Calif.

Location.- Water-stage recorder, lat. 37°44'33", long. 119°33'25", at Tenaya Bridge, in Yosemite National Park, 0.7 mile (revised) above junction with Merced River and 1.9 miles east of Yosemite, Mariposa County. Altitude, about 4,000 feet.

Drainage area.- 47 square miles.

Records available.- July 1904 to June 1909, January 1912 to September 1935.

Average discharge.- 22 years (1913-35), 98.8 second-feet.

Extremes.- Maximum discharge during year, 1,260 second-feet June 4 (gage height, 5.73 feet); minimum, 1.0 second-foot Oct. 1-6.
1904-9, 1912-35: Maximum discharge, 1,730 second-feet May 28, 1919 (gage height, 7.05 feet); minimum, 0.6 second-foot Dec. 18-22, 1929 (revised).

Remarks.- Records good except those estimated, Aug. 11 to Sept. 9, Sept. 20-30. No diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	20	34	23	46	42	136	268	626	141	14	4.0
2	1.0	17	29	24	50	42	126	227	809	130	13	3.0
3	1.0	11	27	23	51	41	128	206	935	132	12	3.0
4	1.0	10	25	29	54	38	130	227	977	121	11	3.0
5	1.0	11	22	34	79	38	125	325	977	112	11	3.0
6	1.1	10	22	38	107	41	111	472	893	104	10	2.5
7	1.2	9	20	38	91	39	139	569	830	95	9.5	2.5
8	1.2	8.5	20	36	80	35	168	626	788	90	9	2.5
9	1.2	7.5	20	36	67	36	139	666	706	83	9	2.5
10	1.2	6.5	19	35	62	39	128	646	686	74	8.5	2.2
11	1.2	6	20	36	56	44	132	569	706	67	8	2.2
12	1.2	5.5	22	31	50	56	152	487	706	62	8	2.2
13	1.2	4.8	31	31	48	76	160	494	626	57	7	2.2
14	1.4	4.4	48	31	48	97	246	542	539	63	7	2.2
15	1.5	21	42	29	44	90	319	550	433	66	7	2.2
16	1.6	35	36	30	43	74	215	469	386	88	7	2.2
17	1.8	37	32	33	47	63	172	362	375	70	6	2.2
18	1.8	38	29	36	56	60	180	350	382	60	6	2.2
19	1.8	40	28	30	67	53	239	476	386	52	6	2.2
20	1.8	42	29	29	72	46	316	588	369	46	6	2.1
21	1.8	40	27	32	63	44	375	706	340	41	5	2.0
22	1.8	41	26	34	61	41	359	830	310	37	5	1.9
23	1.8	51	23	35	62	45	392	914	276	23	5	1.8
24	1.8	46	23	37	54	46	426	851	239	19	5	1.7
25	1.8	44	21	40	47	48	409	851	217	21	5	1.6
26	1.8	43	20	42	47	59	426	914	206	21	5	1.5
27	1.8	40	20	40	46	70	454	893	199	20	6	1.4
28	1.8	35	16	40	43	90	454	830	182	19	12	1.3
29	1.8	33	19	40	-	116	490	706	166	17	8	1.2
30	1.8	34	23	42	-	135	540	501	154	16	6	1.2
31	2.0	-	23	43	-	135	-	433	-	16	4.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	46.2	2.0	1.0	1.49	92
November	751.2	51	4.4	25.0	1,490
December	796	48	16	25.7	1,580
Calendar year 1934	16,967.0	243	1.0	46.5	33,700
January	1,056	43	23	34.1	2,090
February	1,641	107	43	58.6	3,250
March	1,879	135	35	60.6	3,730
April	7,586	490	111	253	15,050
May	17,548	914	206	566	34,810
June	15,424	977	154	514	30,590
July	1,963	141	16	63.3	3,890
August	241.0	14	4.0	7.77	478
September	65.7	4.0	1.2	2.19	130
Water year 1934-35	48,997.1	977	1.0	134	97,180

Orestimba Creek near Newman, Calif.

Location.- Water-stage recorder, lat. 37°19'9", long. 121°07'14", in NW¼ sec. 20, T. 7 S., R. 8 E., 3 miles below Oso Creek, at highway bridge 5 miles west of Newman. Altitude, about 190 feet.

Records available.- January 1932 to September 1935.

Extremes.- Maximum discharge during year, 1,320 second-feet Apr. 8 (gage height, 3.56 feet); no flow for several months.
1932-35: Maximum discharge, 3,440 second-feet Feb. 8, 1932 (gage height, 5.15 feet); no flow for several months each year.

Remarks.- Records good except those for high water, which are fair. No large diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0		0	1.5	3.5				
2				0		0	1.2	3.0				
3				0		0	2.0	2.2				
4				0		0	6.5	1.4				
5				0		0	7.5	1.4				
6				0		0	5.5	1.4				
7				0		149	66	1.3				
8				0		92	634	1.1				
9				0		42	156	1.0				
10				0		23	69	1.0				
11				0		15	42	1.0				
12				0		10	29	.8				
13				0		8	22	.8				
14				0		6.5	22	.8				
15				0		4.4	26	.8				
16				14		3.5	59	.7				
17				26		2.5	37	.6				
18				12		2.2	26	.3				
19				39		2.0	21	.1				
20				16		1.3	17	0				
21				8		2.5	13	0				
22				4.4		6.5	11	0				
23				1.9		6.5	9	0				
24				.9		24	7.5	0				
25				.3		19	6.5	0				
26				0		12	5.5	0				
27				0		9	4.4	0				
28				0		7	3.3	0				
29				0		4.8	3.8	0				
30				0		3.5	3.8	0				
31				0		2.5	-	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	494.5	199	0	1.35	983
January	122.5	39	0	3.95	243
February	0	0	0	0	0
March	458.7	149	0	14.8	910
April	1,318.5	634	1.2	44.0	2,620
May	23.2	3.5	0	.75	46
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	1,922.9	634	0	5.27	3,820

Note.- No flow during months left blank.

Hetch Hetchy Reservoir at Hetch Hetchy, Calif.

Location.- Water-stage recorder, lat. 37°57', long. 119°47', at O'Shaughnessy Dam, in sec. 16, T. 1 N., R. 20 E., on Tuolumne River at Hetch Hetchy.

Records available.- May 1923 to September 1935 (gage heights only, 1923-30).

Remarks.- This reservoir is main storage unit of Hetch Hetchy water-supply system for San Francisco. Elevation of crest of dam, 3,726.5 feet above mean sea level. Released water flows down natural channel of Tuolumne River for 15 miles to Early Intake, where it is diverted through Hetch Hetchy Aqueduct to Moccasin Creek power plant. Table shows total contents, all of which is available for release.

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	59,960	24,760	14,130	280	1,600	7,130	11,180	83,300	204,890	206,650	199,050	170,120
2	58,640	24,680	13,660	280	1,680	6,920	11,980	84,700	207,460	206,160	198,420	169,230
3	57,400	24,520	13,120	280	1,800	6,760	12,650	86,100	207,460	206,320	197,780	168,040
4	56,130	24,360	12,520	280	1,940	6,590	14,190	87,240	207,620	206,490	196,840	166,860
5	54,850	24,360	11,850	700	2,380	6,220	15,200	89,020	207,780	206,490	196,200	165,820
6	53,490	24,200	11,180	1,050	3,570	6,050	15,920	92,170	207,460	206,320	195,410	164,640
7	52,120	23,870	10,440	1,130	5,300	5,890	17,120	97,000	207,130	206,160	194,470	163,460
8	51,030	23,220	9,640	1,050	6,160	5,730	19,900	102,820	207,300	205,840	193,520	162,270
9	49,760	22,520	8,830	960	6,760	5,570	21,780	109,140	207,130	206,160	192,570	161,240
10	48,570	21,780	8,270	990	7,240	5,350	22,520	115,570	207,300	206,160	191,620	160,200
11	47,240	21,100	7,730	930	7,400	5,190	23,390	121,690	207,460	206,320	190,670	159,220
12	46,010	20,350	7,130	820	7,510	5,240	24,680	126,680	207,460	206,490	189,740	157,960
13	44,780	19,600	6,650	580	7,460	5,620	26,060	130,910	207,300	206,320	188,980	156,840
14	43,370	18,850	6,590	500	7,400	6,270	27,920	135,670	206,970	205,370	188,070	155,720
15	41,960	18,020	6,760	400	7,300	6,860	32,190	141,200	206,650	205,370	187,010	154,460
16	40,560	17,880	6,650	390	7,080	7,080	35,590	145,800	206,490	205,050	186,100	153,480
17	39,420	17,650	6,320	390	6,920	7,190	37,540	149,100	206,650	204,260	185,180	152,220
18	38,460	17,500	5,890	380	7,080	7,190	38,650	151,660	206,810	204,100	184,120	151,240
19	37,630	17,580	5,350	380	7,240	7,080	40,380	155,020	206,970	204,420	183,060	150,120
20	36,520	17,650	4,760	360	7,670	7,080	43,200	159,500	207,130	204,580	182,140	149,000
21	35,420	17,500	4,160	350	7,890	6,860	46,890	165,970	206,970	204,580	181,080	147,880
22	34,320	17,200	3,660	370	8,050	6,760	50,670	174,410	206,970	204,420	180,020	146,760
23	33,380	16,900	3,160	370	8,050	6,590	54,120	184,730	206,810	203,950	178,950	145,660
24	32,530	16,750	2,780	400	8,110	6,430	57,780	195,890	206,650	203,630	177,740	144,580
25	31,420	16,450	2,320	730	7,940	6,430	61,200	204,260	206,490	203,160	176,670	143,500
26	30,430	16,080	1,860	960	7,840	6,540	64,430	206,000	206,810	202,520	175,610	142,420
27	29,220	15,700	1,360	1,080	7,670	6,920	68,050	204,260	206,970	202,050	174,700	141,340
28	28,000	15,330	900	1,220	7,460	7,350	71,590	201,580	206,970	201,420	173,960	140,260
29	26,870	14,930	410	1,280	-	7,840	76,600	199,050	206,810	200,940	173,220	139,180
30	25,740	14,530	310	1,360	-	8,650	80,800	198,420	206,650	200,150	172,190	137,960
31	25,090	-	280	1,480	-	9,970	-	201,100	-	199,520	171,150	-

Note.- Contents on Sept. 30, 1934, was 61,200 acre-feet.

Tuolumne River near Hetch Hetchy, Calif.

Location.- Water-stage recorder, lat. 37°56', long. 119°48', in SE¼ sec. 17, T. 1 N., R. 20 E., in Yosemite National Park, three-quarters of a mile below O'Shaughnessy Dam at Hetch Hetchy. Altitude, about 3,450 feet.

Drainage area.- 462 square miles.

Records available.- December 1914 to September 1935.

Average discharge.- 20 years (1915-35), 887 second-feet.

Extremes.- Maximum discharge during year, 10,000 second-feet June 6 (gage height, 12.88 feet); minimum, 18 second-feet Feb. 6.
1915-35: Maximum discharge, 12,000 second-feet June 16, 1929 (gage height, 13.58 feet); minimum, 1.2 second-feet Jan. 18, 1931.

Remarks.- Records excellent. No diversions. See record for Hetch Hetchy Reservoir, which stores water above station.

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

0.2	0	1.4	26	3.6	236	8.0	1,640
.3	.2	1.6	36	4.0	296	9.0	2,440
.4	.5	1.8	48	4.5	382	10.0	3,570
.6	2.0	2.0	60	5.0	480	11.0	5,290
.8	5.5	2.4	94	5.5	590	12.0	7,570
1.0	11	2.8	134	6.0	730	13.0	10,290
1.2	17	3.2	182	7.0	1,090	13.6	12,000

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	715	312	540	243	470	500	578	790	1,570	2,130	628	640
2	700	312	540	243	480	490	685	775	6,130	1,820	640	628
3	685	312	565	229	450	490	655	730	7,310	1,640	655	628
4	700	312	565	230	420	480	615	745	7,830	1,680	615	629
5	700	312	565	364	420	490	628	745	8,350	1,640	565	640
6	685	382	565	337	305	490	628	775	8,350	1,640	602	670
7	685	520	565	382	337	480	640	808	7,310	1,540	628	670
8	670	530	565	420	391	480	700	825	7,570	1,320	640	655
9	685	530	552	420	373	470	670	860	6,130	912	670	640
10	685	540	520	391	391	470	670	825	6,350	990	655	640
11	685	510	520	410	410	480	685	825	6,590	1,050	628	640
12	685	490	520	400	460	460	685	790	7,570	1,050	602	640
13	700	520	500	382	480	490	685	775	6,830	1,390	628	655
14	685	530	490	355	500	490	715	808	5,690	1,740	640	655
15	715	510	490	346	530	490	730	730	4,350	1,570	640	640
16	700	520	490	346	540	490	590	790	3,870	1,820	655	628
17	628	530	520	337	480	490	565	808	4,030	1,570	655	615
18	578	480	565	337	450	490	602	825	4,530	878	640	590
19	615	440	565	328	460	480	615	825	5,290	730	615	602
20	670	460	565	312	460	460	628	790	5,490	730	628	615
21	670	520	552	320	460	490	655	790	4,690	730	640	615
22	640	552	540	320	490	500	670	825	4,710	715	628	602
23	590	530	520	328	510	500	685	860	4,350	685	655	565
24	602	520	530	364	510	490	700	895	3,570	670	655	590
25	628	510	520	410	510	480	715	3,390	3,170	715	655	602
26	670	510	500	440	500	480	715	7,670	3,170	670	615	602
27	685	510	470	430	500	480	730	8,350	3,570	628	640	602
28	670	510	420	430	500	480	745	8,090	3,430	615	700	602
29	670	510	346	450	-	490	775	6,590	2,830	602	700	590
30	532	530	296	450	-	490	775	2,760	2,440	602	700	565
31	312	-	257	450	-	490	-	1,280	-	615	670	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	20,240	715	312	653	40,150
November	14,254	552	312	475	28,270
December	15,708	565	257	507	31,160
Calendar year 1934	205,936	745	103	564	408,700
January	11,254	450	229	363	22,320
February	12,787	540	305	457	25,360
March	15,050	500	460	485	29,850
April	20,134	775	565	671	39,940
May	57,244	8,350	730	1,847	113,500
June	157,270	8,350	1,570	5,242	311,900
July	35,087	2,130	602	1,132	69,590
August	19,867	700	565	642	39,450
September	18,654	670	565	622	37,000
Water year 1934-35	397,569	9,350	229	1,089	788,500

Tuolumne River near Buck Meadows, Calif.

Location.- Water-stage recorder, lat. 37°50', long. 120°4', in SW¼ sec. 24, T. 1 S., R. 17 E., two-thirds of a mile below South Fork of Tuolumne River and 2 miles north of Buck Meadows. Altitude, about 1,375 feet.

Drainage area.- 934 square miles.

Records available.- September 1907 to September 1935.

Extremes.- Maximum discharge during year, 13,700 second-feet June 5 (gage height, 11.70 feet); minimum, 4.1 second-feet Oct. 2.
1907-35: Maximum discharge, 27,200 second-feet Jan. 14, 1909 (gage height, 14.0 feet); minimum, 3.0 second-feet Sept. 23, 1934.

Remarks.- Records excellent except those for Dec. 26 to Jan. 16, which were estimated on basis of records for other Tuolumne River stations and are fair. City of San Francisco diverts water from Cherry Creek and Tuolumne River at Early intake above station to develop power and discharges it to Moccasin Creek. See records for Hetch Hetchy Reservoir and Lake Eleanor, which store water above station.

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

1.9	2.5	3.2	125	5.2	1,050	8.5	5,860
2.0	3.5	3.4	170	5.6	1,400	9.0	6,860
2.2	7.0	3.6	230	6.0	1,820	9.5	7,960
2.4	14	3.8	300	6.5	2,440	10.0	9,160
2.6	29	4.0	380	7.0	3,180	10.5	10,420
2.8	52	4.4	560	7.5	4,000	11.0	11,760
3.0	85	4.8	780	8.0	4,900	11.7	13,720

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	4.7	161	51	35	320	308	1,500	2,720	4,000	2,510	29	14
2	4.7	89	36	55	279	384	1,500	2,240	8,920	2,180	28	11
3	9	28	24	50	276	388	2,790	1,940	10,900	1,700	24	10
4	6	58	26	260	360	438	2,940	1,880	11,800	1,880	26	11
5	5	66	24	700	655	376	2,060	2,570	12,600	1,760	28	12
6	5	24	21	250	1,090	364	1,500	3,180	12,600	1,650	26	11
7	5.5	12	19	160	780	492	2,790	3,740	11,500	1,500	22	11
8	6	10	24	120	655	412	7,190	4,000	11,200	1,360	21	11
9	6	9.5	31	500	456	376	3,260	4,270	9,640	663	23	25
10	6	12	27	250	360	356	2,370	4,000	9,640	615	23	22
11	6	10	26	190	300	352	2,120	3,560	9,900	672	20	25
12	5	10	38	140	251	447	2,060	3,340	11,200	660	18	19
13	5	10	102	80	221	672	2,180	3,340	10,200	726	17	15
14	4.6	9.5	650	110	203	914	2,940	3,500	8,680	1,760	15	10
15	4.7	270	340	100	206	935	6,060	3,560	6,860	1,270	14	11
16	6	372	170	170	240	736	3,740	3,260	6,260	1,600	15	11
17	15	230	85	179	344	600	2,580	2,650	6,460	1,400	16	18
18	88	336	52	185	412	575	2,180	2,580	7,080	1,290	15	13
19	39	364	47	123	565	501	2,370	3,260	7,520	332	14	9.5
20	15	237	91	205	640	416	2,790	3,820	7,740	279	14	9.5
21	11	160	61	194	565	424	3,180	4,180	7,300	265	13	9
22	13	137	39	188	535	404	3,180	4,810	7,080	240	14	9
23	33	152	31	188	540	438	3,100	5,080	6,660	191	15	11
24	16	131	34	237	452	434	3,180	5,080	5,460	143	12	15
25	11	76	34	296	388	506	3,020	6,220	4,450	143	10	9.5
26	9	85	50	316	360	605	3,100	11,200	4,000	129	10	10
27	10	72	65	304	316	690	3,180	12,300	4,810	45	14	11
28	8.5	52	75	286	290	822	3,340	11,800	5,080	36	28	9.5
29	7.5	29	85	296	-	994	4,900	10,200	3,910	38	46	9.5
30	7.5	38	80	328	-	1,240	3,740	5,660	3,180	44	41	9
31	9	-	60	328	-	1,400	-	3,020	-	36	19	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	386.9	88	4.7	12.5	767
November	3,250.0	372	9.5	108	6,450
December	2,498	650	19	80.6	4,950
Calendar year 1934	107,704.2	1,760	3.2	295	213,600
January	6,813	700	35	220	13,510
February	12,079	1,090	203	431	23,960
March	18,001	1,400	308	581	35,700
April	90,840	7,190	1,500	3,028	180,200
May	142,800	12,300	1,880	4,606	283,200
June	236,630	12,600	3,180	7,888	469,300
July	27,117	2,510	36	875	53,790
August	630	46	10	20.3	1,250
September	381.5	25	9	12.7	757
Water year 1934-35	541,426.4	12,600	4.7	1,483	1,074,000

Don Pedro Reservoir near La Grange, Calif.

Location.- Staff gage, lat. 37°42'48", long. 120°24'14", in SW¼ sec. 35, T. 2 S., R. 14 E., at Don Pedro Dam, on Tuolumne River, 1 mile below Rogers Creek and 5½ miles above La Grange.

Records available.- October 1924 to September 1935 (stage only, 1924-30).

Remarks.- This is a joint storage reservoir for Turlock and Modesto Irrigation Districts. Elevation of crest of dam, 613.5 feet above mean sea level. Water released from reservoir passes through power plant at Don Pedro Dam and is diverted into Turlock and Modesto Canals at La Grange Dam, 4 miles downstream. Table shows total contents, but storage below 30,000 acre-feet is seldom used. Record of daily elevation furnished by Turlock and Modesto Irrigation Districts.

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	32,400	34,300	55,100	51,400	108,300	169,000	246,300	266,400	264,200	289,300	264,200	185,900
2	32,500	33,900	54,700	51,300	110,600	170,200	250,200	264,800	268,600	287,400	262,100	183,300
3	32,600	33,600	54,400	51,300	111,600	171,800	252,300	263,600	269,500	285,100	259,900	180,100
4	32,600	34,300	54,000	51,800	112,800	172,500	263,600	263,300	270,700	281,100	257,200	177,700
5	33,000	34,300	53,300	53,500	114,500	174,600	266,100	263,600	271,300	286,400	254,100	175,400
6	33,200	34,300	52,600	58,100	117,700	175,600	264,800	263,600	271,300	288,300	252,600	173,300
7	33,300	34,800	52,500	60,000	122,100	179,300	264,500	265,100	271,300	289,900	250,200	171,000
8	33,400	35,600	52,100	62,000	126,600	187,300	274,200	265,800	270,100	290,200	246,100	168,400
9	33,400	36,500	51,400	65,000	129,800	191,100	271,300	266,400	269,800	290,500	245,700	165,700
10	33,500	37,300	50,700	70,000	133,200	193,800	267,600	266,400	269,200	289,900	243,600	163,100
11	33,800	38,000	50,100	71,300	134,900	194,900	266,100	266,100	269,200	289,300	240,700	160,900
12	34,000	37,900	49,200	74,000	137,000	196,500	264,800	265,500	269,800	290,800	237,400	158,400
13	34,300	38,800	48,500	75,200	138,900	198,700	264,200	264,800	269,800	286,900	235,100	156,000
14	34,600	39,500	49,000	75,600	141,000	201,500	264,800	264,800	269,200	289,300	232,400	154,000
15	34,600	40,500	52,400	77,700	142,900	204,900	266,400	265,100	267,600	289,900	230,100	151,800
16	34,700	41,900	53,300	79,000	145,000	207,700	270,100	265,100	266,100	290,800	227,700	148,900
17	34,800	43,800	53,500	83,400	145,800	210,500	267,300	264,500	265,100	291,200	225,400	146,500
18	34,900	45,100	53,800	86,500	147,200	211,900	265,800	263,600	265,800	290,800	222,800	144,100
19	34,900	46,800	53,600	92,100	148,900	213,900	265,100	263,600	268,900	289,900	219,600	141,900
20	35,500	48,400	53,300	94,100	150,800	215,600	265,100	264,200	269,500	288,300	217,100	139,600
21	35,800	50,200	53,100	94,800	153,300	217,100	265,500	265,100	269,500	286,400	214,300	137,000
22	35,900	51,400	53,100	95,700	156,000	219,100	265,500	266,100	269,500	284,200	212,200	134,200
23	36,000	52,300	52,700	96,100	158,900	220,200	265,500	266,700	269,200	282,300	209,900	130,900
24	35,600	53,300	52,300	96,800	161,100	224,300	265,500	267,000	269,500	280,700	207,400	128,600
25	35,200	54,200	51,600	97,900	162,600	225,100	265,500	266,700	269,500	278,900	204,600	125,900
26	35,300	54,300	51,400	99,400	164,600	227,700	265,500	269,500	271,000	277,000	201,500	123,700
27	35,400	55,300	51,100	100,500	166,200	230,400	265,500	272,300	276,300	275,100	198,700	121,000
28	34,900	55,300	51,200	101,300	167,800	232,800	265,500	272,300	282,900	272,900	196,300	118,600
29	34,800	55,400	51,700	103,000	-	235,600	265,500	271,700	289,900	269,800	193,500	116,200
30	34,800	55,200	51,500	104,900	-	239,200	267,600	269,500	290,500	267,900	191,100	113,200
31	34,500	-	51,300	106,300	-	242,700	-	265,800	-	266,100	188,600	-

Note.- Contents on Sept. 30, 1934, was 32,300 acre-feet.

Tuolumne River above La Grange Dam, near La Grange, Calif.

Location.- Water-stage recorder, lat. 37°42'35", long. 120°24'45", in NE¼ sec. 3, T. 3 S., R. 14 E., half a mile below Don Pedro Dam, 3½ miles above La Grange Dam, and 5 miles above La Grange. Altitude, about 330 feet.

Drainage area.- 1,540 square miles (revised).

Records available.- March 1915 to September 1935; 1895 to 1917, staff gage at La Grange Dam.

Average discharge.- 19 years (1916-35), 2,042 second-feet; 40 years (1895-1935), including 1895-1916 record of combined flow of river and canals, 2,511 second-feet.

Extremes.- Maximum discharge during year, 22,800 second-feet Apr. 8 (gage height, 22.2 feet); minimum, 36 second-feet Oct. 27.

1915-35: Maximum discharge, 38,100 second-feet Mar. 25, 1928 (gage height, 29.6 feet); minimum, about 0.5 second-foot momentarily, many days in October and November 1931.

On Jan. 31, 1911, there was a maximum discharge of 60,300 second-feet (gage height, 16.45 feet) at former site at La Grange Dam.

Remarks.- Records good. A small amount of water is diverted for irrigation; diversion through Hetch Hetchy Aqueduct to San Francisco began Oct. 19, 1934. See records for Don Pedro Reservoir, Hetch Hetchy Reservoir, and Lake Eleanor, which store water 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	707	529	994	477	610	885	1,120	6,260	5,760	4,400	1,980	2,020
2	708	544	885	492	537	885	1,780	5,260	7,240	4,400	1,980	2,060
3	685	548	1,020	505	486	852	2,360	4,660	10,500	3,330	1,980	2,100
4	708	440	1,010	465	526	885	4,710	4,110	12,300	1,900	1,900	1,950
5	730	413	971	504	546	912	6,410	3,900	13,200	1,780	1,980	1,960
6	708	364	984	412	536	912	4,660	4,780	13,200	1,790	1,980	1,980
7	654	369	1,030	452	505	912	4,660	5,630	12,800	1,940	1,980	1,950
8	665	366	1,030	497	506	865	16,800	6,150	11,800	2,060	1,980	1,890
9	622	374	981	667	536	874	11,600	6,540	10,700	2,100	2,020	1,920
10	676	378	1,060	658	486	819	7,380	6,540	9,880	2,020	2,020	1,950
11	680	316	1,050	714	542	858	6,150	6,150	9,880	1,830	1,980	1,940
12	695	332	1,060	711	557	863	5,380	5,630	10,800	1,800	2,020	1,960
13	665	357	1,050	658	548	841	4,660	5,380	10,800	1,730	2,020	1,900
14	775	362	1,060	714	534	841	4,660	5,500	9,730	1,770	2,060	1,900
15	761	326	1,050	747	549	863	8,380	5,630	8,380	1,840	2,060	1,820
16	736	346	966	734	542	868	9,580	5,500	6,900	2,120	2,060	1,910
17	686	352	1,040	702	510	819	7,100	5,020	6,620	2,380	2,060	1,900
18	642	323	1,040	711	542	850	5,890	4,660	5,920	2,220	1,980	1,950
19	670	414	1,060	654	549	880	5,380	4,550	7,160	2,020	2,060	1,960
20	687	467	1,050	794	546	880	5,500	5,020	7,780	1,980	2,060	2,000
21	640	466	1,080	890	534	880	5,630	5,630	7,630	1,940	2,060	1,980
22	664	472	1,080	890	528	912	5,890	6,410	7,480	1,980	2,060	1,880
23	743	462	1,020	873	556	885	5,760	6,960	6,620	1,980	2,060	1,910
24	734	493	1,090	858	516	824	5,760	7,240	6,060	1,980	2,060	1,910
25	722	417	935	866	556	852	5,760	6,620	4,180	1,980	2,020	1,880
26	736	464	1,010	888	552	863	5,630	9,880	2,640	1,980	2,060	1,910
27	732	793	806	772	520	868	5,630	13,200	1,980	1,980	2,100	1,870
28	632	862	777	636	511	863	5,500	13,500	1,760	1,900	2,060	1,900
29	744	807	788	554	-	858	6,540	12,600	3,340	1,980	2,100	1,860
30	760	844	658	530	-	868	7,520	9,730	4,400	1,980	2,140	1,910
31	762	-	779	609	-	824	-	6,150	-	1,940	2,100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	21,759	775	622	702	43,160
November	14,035	862	316	468	27,840
December	30,414	1,090	658	981	60,330
Calendar year 1934	444,110	2,750	316	1,217	881,800
January	20,534	890	412	662	40,730
February	14,968	610	486	536	29,690
March	26,911	912	819	868	53,380
April	183,780	16,800	1,120	6,126	364,500
May	205,010	13,500	3,900	6,613	406,600
June	237,360	13,200	1,760	7,912	470,800
July	67,030	4,400	1,730	2,162	133,000
August	62,980	2,140	1,900	2,032	124,900
September	58,020	2,100	1,820	1,934	115,100
Water year 1934-35	942,801	16,800	316	2,583	1,870,000

Falls Creek near Hetch Hetchy, Calif.

Location.- Water-stage recorder, lat. 37°58', long. 119°46', in NE¼ sec. 3, T. 1 N., R. 20 E., in Yosemite National Park, a quarter of a mile above Wampana Falls, 1 mile above mouth, and 2 miles northeast of Hetch Hetchy. Altitude, about 5,600 feet.

Drainage area.- 45.2 square miles.

Records available.- November 1915 to September 1935.

Average discharge.- 19 years (1916-35), 128 second-feet.

Extremes.- Maximum discharge during year, 1,130 second-feet June 5 (gage height, 5.40 feet); no flow Oct. 1.
1915-35: Maximum discharge, 1,740 second-feet Mar. 25, 1928 (gage height, 6.45 feet); no flow at times during summers of 1921, 1924, 1926, 1928-31, 1933-34.

Remarks.- Records excellent. No diversions.

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

0.4	0	1.2	2.8	2.6	104	4.0	494
.5	.01	1.4	5.3	2.8	144	4.4	647
.6	.02	1.6	9.5	3.0	190	4.8	820
.7	.1	1.8	17	3.2	244	5.2	1,020
.8	.2	2.0	29	3.4	300	5.6	1,240
.9	.6	2.2	47	3.6	362	6.0	1,470
1.0	1.2	2.4	71	3.8	426	6.5	1,770

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	44	64	49	77	50	219	269	568	349	28	7
2	1.3	45	52	45	80	51	193	219	320	283	27	6
3	1.4	37	48	44	77	48	238	190	940	300	22	5
4	1.4	54	44	66	104	48	180	206	992	278	19	4.4
5	1.4	63	39	67	153	50	134	286	1,020	283	18	3.9
6	1.4	55	35	66	206	49	123	526	1,020	275	16	3.4
7	2.8	49	34	61	129	52	213	549	992	244	15	3.0
8	1.8	42	33	58	100	56	250	626	965	216	13	2.6
9	2.4	35	33	58	80	61	131	689	867	185	11	2.3
10	3.2	31	32	55	70	61	117	689	844	173	10	1.9
11	3.3	28	34	58	64	61	142	587	867	162	9.5	1.7
12	3.0	25	40	58	58	74	185	474	1,020	164	10	1.5
13	2.8	23	105	51	54	112	193	463	965	171	11	1.3
14	2.5	21	203	49	54	142	314	512	867	198	11	1.3
15	2.3	70	106	57	54	129	458	568	668	244	10	1.2
16	2.2	74	71	58	52	106	264	512	587	224	9	1.1
17	6	97	59	59	63	82	190	359	647	183	8.5	1.0
18	15	100	49	61	84	71	190	324	689	151	7	.8
19	16	112	47	64	108	59	241	426	775	123	6.5	.7
20	13	104	49	82	110	54	324	530	844	108	5.5	.7
21	14	95	46	71	93	55	391	668	775	86	4.8	.6
22	19	88	43	56	84	56	384	820	754	70	4.4	.5
23	21	91	39	55	82	52	391	867	710	58	4.1	.4
24	19	77	37	61	66	55	407	891	587	52	3.9	.4
25	16	76	34	67	58	66	394	820	512	47	3.6	.3
26	16	71	32	67	52	82	404	965	530	41	3.6	.2
27	17	67	35	64	50	99	433	965	587	37	5.5	.2
28	16	61	37	62	49	129	467	867	606	34	13	.1
29	15	61	44	66	-	164	568	793	494	31	17	.1
30	13	63	52	68	-	198	384	494	413	28	13	.1
31	23	-	56	71	-	219	-	336	-	28	9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	273.0	23	0.8	8.81	541
November	1,859	112	21	62.0	3,690
December	1,632	203	32	52.6	3,240
Calendar year 1934	30,108.6	407	0	82.5	59,630
January	1,874	82	44	60.5	3,720
February	2,311	206	49	82.5	4,580
March	2,591	219	48	83.6	5,140
April	8,522	568	117	284	16,900
May	17,325	965	190	561	34,500
June	22,925	1,020	413	764	45,470
July	4,826	349	28	156	9,570
August	348.9	28	3.6	11.3	692
September	53.7	7	.1	1.79	107
Water year 1934-35	64,610.6	1,020	.1	177	128,200

Cherry Creek near Hetch Hetchy, Calif.

Location.- Water-stage recorder, lat. 38°, long. 119°54', in SW¼ sec. 28, T. 2 N., R. 19 E., 3 miles by trail northwest from Lake Eleanor, 4 miles above Eleanor Creek, and 7⅛ miles northwest of Hetch Hetchy. Altitude, about 4,800 feet.

Drainage area.- 111 square miles.

Records available.- April 1910 to September 1935.

Average discharge.- 25 years, 346 second-feet.

Extremes.- Maximum discharge during year, 3,400 second-feet June 6 (gage height, 8.18 feet); minimum, 4.0 second-feet Oct. 15, 16.
1910-35: Maximum discharge, about 7,750 second-feet June 16, 1929 (gage height, 13.57 feet); no flow Sept. 6-12, 1910.

Remarks.- Records excellent except those for Jan. 20-25, which are fair and were estimated on basis of records for station on Falls Creek near Hetch Hetchy.

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

0.6	0.1	2.0	80	3.8	720	6.6	2,225
.8	.5	2.2	124	4.2	900	7.0	2,500
1.0	3.3	2.4	182	4.6	1,080	7.4	2,790
1.2	6.5	2.6	246	5.0	1,280	7.8	3,090
1.4	17	2.8	322	5.4	1,500	8.2	3,400
1.6	31	3.0	400	5.8	1,730	8.5	3,640
1.8	52	3.4	560	6.2	1,970		

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	277	182	119	231	141	532	660	1,670	765	30	14
2	7.5	146	135	110	234	155	472	532	2,160	680	29	12
3	6.5	100	127	96	231	141	349	480	2,360	640	27	10
4	5.5	255	117	328	349	130	552	540	2,430	700	22	9
5	4.9	164	90	238	492	132	384	832	2,500	640	20	8
6	4.7	107	84	196	600	135	326	1,200	2,360	640	18	7.5
7	31	80	88	167	356	124	755	1,390	2,290	560	16	6.5
8	18	65	94	152	270	135	1,000	1,560	2,100	496	14	6.5
9	11	55	96	155	217	141	408	1,610	1,910	428	12	6
10	8	46	94	161	192	141	368	1,440	1,850	392	11	6
11	6.5	41	107	167	176	144	404	1,260	2,100	380	10	6
12	5.5	38	144	146	155	214	516	1,160	2,220	384	9.5	6
13	4.9	36	372	130	149	330	588	1,230	1,970	388	9	6
14	4.7	33	625	122	149	404	1,160	1,340	1,730	444	8.5	6
15	4.2	502	280	138	138	330	1,610	1,360	1,310	552	8.5	6
16	16	345	192	156	146	234	765	1,100	1,280	432	8	6
17	152	341	161	158	168	186	564	655	1,440	333	8	6
18	161	352	138	144	252	176	536	968	1,530	248	7.5	6
19	78	356	144	141	311	149	720	1,310	1,670	176	7.5	6
20	82	238	161	152	295	132	968	1,560	1,730	144	7	5.5
21	65	259	141	142	238	127	1,080	1,850	1,560	117	6.5	5.5
22	152	245	127	130	228	141	1,010	2,160	1,500	90	6.5	5.5
23	88	270	110	126	228	141	1,040	2,290	1,420	74	6	5.5
24	49	211	105	146	176	146	1,060	2,160	1,200	65	6	5.5
25	49	211	90	174	149	185	990	2,160	1,100	58	5.5	5.5
26	48	204	84	185	144	231	1,080	2,430	1,130	52	5.5	5.5
27	41	188	80	176	141	288	1,160	2,430	1,230	48	22	5.5
28	34	167	90	170	132	356	1,230	2,100	1,180	43	25	5.5
29	29	173	119	185	-	444	1,610	1,790	990	39	42	5.5
30	26	185	124	195	-	540	986	1,100	878	35	26	5.5
31	146	-	127	211	-	572	-	990	-	32	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,346.9	161	4.2	43.4	2,670
November	5,740	502	33	191	11,390
December	4,628	625	80	149	9,180
Calendar year 1934	81,205.4	1,230	.3	222	160,900
January	5,020	328	96	162	9,960
February	6,567	600	132	235	13,030
March	6,847	572	124	221	13,580
April	24,705	1,610	326	824	49,000
May	43,647	2,430	480	1,414	86,970
June	50,798	2,500	878	1,693	100,800
July	10,075	765	32	325	19,980
August	451.5	42	5.5	14.6	896
September	200.0	14	5.5	6.67	397
Water year 1934-35	160,225.4	2,500	4.2	439	317,900

Lake Eleanor near Hetch Hetchy, Calif.

Location.- Water-stage recorder, lat. 37°58', long. 119°53', in NW¼ sec. 3, T. 1 N., R. 19 E., at dam on Eleanor Creek, 1.7 miles above Miguel Creek and 5½ miles northwest of Hetch Hetchy.

Records available.- October 1919 to September 1935 (stage only, 1919-30)

Remarks.- This reservoir is part of Hetch Hetchy water-supply system for San Francisco. Elevation of crest of dam, 4,661.0 feet above mean sea level. Water is released down natural channel of Eleanor Creek, a tributary of Cherry Creek, and discharged into Tuolumne River at Early intake. Storage below 1,800 acre-feet can not be released.

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	4,510	4,510	10,100	14,190	19,010	25,480	26,140	26,420	26,600	28,680	28,490	25,670
2	4,450	4,680	10,300	14,190	19,280	25,480	26,140	26,320	26,880	28,680	28,390	25,580
3	4,340	4,790	10,450	14,190	19,550	25,480	26,420	26,230	27,070	28,680	28,290	25,480
4	4,280	4,960	10,530	14,350	19,910	25,580	26,510	26,230	27,160	28,780	28,200	25,390
5	4,230	5,180	10,610	14,860	20,540	25,580	26,230	26,320	27,160	28,780	28,100	25,300
6	4,170	5,300	10,530	15,290	21,540	25,380	26,040	26,600	27,160	28,680	28,000	25,110
7	4,110	5,350	10,530	15,460	22,440	25,580	26,320	26,880	27,070	28,680	27,910	25,020
8	4,060	5,300	10,450	15,810	23,070	25,580	26,880	26,970	26,970	28,680	27,910	24,830
9	4,020	5,130	10,450	16,150	23,530	25,580	26,420	27,070	26,880	28,680	27,810	24,740
10	3,970	5,020	10,370	16,410	23,900	25,580	26,230	27,070	26,690	28,780	27,720	24,650
11	3,920	4,790	10,370	16,670	24,280	25,480	26,040	26,880	26,690	28,780	27,620	24,460
12	3,870	4,560	10,370	16,930	24,550	25,580	26,040	26,790	26,790	28,780	27,530	24,370
13	3,820	4,340	10,610	17,100	24,740	25,580	26,140	26,690	26,790	28,780	27,440	24,280
14	3,770	4,060	11,720	17,440	25,020	25,760	26,420	26,790	26,600	28,780	27,340	24,090
15	3,730	4,110	12,520	17,700	25,300	25,860	27,160	26,790	26,510	28,780	27,160	24,000
16	3,680	4,680	12,920	17,790	25,390	25,860	26,790	26,790	26,320	28,780	27,070	23,900
17	3,680	5,180	13,150	18,060	25,480	25,760	26,420	26,510	26,320	28,780	26,970	23,810
18	3,730	5,800	13,310	18,130	25,580	25,670	26,230	26,420	26,320	28,780	26,880	23,620
19	3,820	6,370	13,550	18,390	25,670	25,670	26,420	26,600	26,510	28,780	26,790	23,340
20	3,870	6,930	13,630	18,480	25,760	25,580	26,510	26,790	27,250	28,780	26,690	23,160
21	3,920	7,280	13,710	18,480	25,760	25,670	26,690	26,970	27,530	28,780	26,600	22,890
22	3,970	7,690	13,870	18,480	25,670	25,580	26,690	27,160	27,620	28,780	26,510	22,710
23	4,060	8,030	13,950	18,480	25,670	25,580	26,690	27,250	27,530	28,780	26,320	22,440
24	4,170	8,450	13,950	18,480	25,670	25,580	26,690	27,250	27,440	28,780	26,230	22,260
25	4,230	8,720	13,950	18,480	25,580	25,580	26,600	27,160	27,530	28,780	26,140	22,080
26	4,230	9,060	13,950	18,560	25,580	25,580	26,690	27,250	28,000	28,780	25,950	21,900
27	4,280	9,270	13,950	18,650	25,580	25,670	26,690	27,340	28,580	28,780	25,950	21,620
28	4,340	9,620	13,950	18,650	25,480	25,760	26,690	27,250	28,780	28,780	25,860	21,440
29	4,340	9,750	13,950	18,740	-	25,860	27,070	27,070	28,780	28,780	25,860	21,360
30	4,340	9,750	14,030	18,830	-	26,040	26,880	26,790	28,780	28,680	25,860	21,080
31	4,340	-	14,110	18,920	-	26,140	-	26,510	-	28,580	25,760	-

Note.- Contents on Sept. 30, 1934, was 4,560 acre-feet.

Eleanor Creek near Hetch Hetchy, Calif.

Location.- Water-stage recorder, lat. 37°58', long. 119°53', in SW¼ sec. 3, T. 1 N., R. 19 E., in Yosemite National Park, 0.6 mile (revised) below Lake Eleanor Dam, 1.1 miles above Miguel Creek, and 5½ miles northwest of Hetch Hetchy. Altitude, about 4,600 feet.

Drainage area.- 79 square miles (above dam site in sec. 3, T. 1 N., R. 19 E.).

Records available.- November 1915 to September 1935; November 1909 to November 1915 at site 1 mile upstream; staff gage near same site June to October 1901.

Average discharge.- 25 years (1910-35), 208 second-feet.

Extremes.- Maximum discharge during year, 1,550 second-feet May 24 (gage height, 6.04 feet); minimum, 0.2 second-foot Jan. 19.
1909-35: Maximum discharge, 6,400 second-feet Mar. 25, 1928 (gage height, 11.0 feet); no flow Sept. 8-14, 1910; Oct. 15-21, 1930; Nov. 19, 22, 23, 1931; Dec. 6, 1933.

Remarks.- Records good. No diversions. See records for Lake Eleanor, which stores water 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	26	1.3	1.3	51	55	137	442	742	832	232	57	40
2	26	.8	16	68	28	151	430	576	1,150	218	57	44
3	26	.8	40	68	28	146	590	486	1,180	208	57	50
4	26	.7	40	51	29	162	658	472	1,220	205	62	53
5	26	.8	46	16	29	146	510	571	1,260	196	56	57
6	26	.8	67	1.4	30	139	402	796	1,180	188	35	57
7	26	44	80	.8	12	166	530	1,030	1,150	175	48	58
8	25	85	60	.8	2.7	172	960	1,090	1,060	158	48	58
9	26	94	72	2.0	2.4	151	680	1,180	940	68	47	58
10	25	100	67	1.3	2.1	136	474	1,150	850	105	47	59
11	25	117	67	1.0	2.1	131	416	1,030	832	123	47	60
12	25	117	54	.7	2.0	142	426	940	880	108	46	61
13	25	119	13	15	2.7	185	486	910	880	107	46	61
14	24	129	2.4	27	15	253	635	940	772	115	47	61
15	12	62	.9	41	48	310	1,400	970	635	127	47	61
16	18	1.2	.4	54	55	280	1,060	940	544	125	47	61
17	14	1.7	2.4	54	112	235	700	808	517	114	47	64
18	.6	2.6	30	23	148	210	566	725	522	100	47	102
19	.4	3.0	47	38	200	190	590	838	246	84	47	108
20	.4	2.0	33	114	235	165	742	970	261	73	51	108
21	.4	1.7	25	114	238	182	910	1,120	472	38	54	107
22	.5	1.5	34	114	225	165	940	1,290	512	36	54	107
23	.5	1.8	59	115	220	170	880	1,400	499	38	53	107
24	.5	1.3	73	115	198	162	910	1,430	445	33	54	107
25	.5	1.0	73	117	172	160	880	1,220	159	30	56	105
26	.5	.8	82	117	153	172	850	1,320	16	29	50	105
27	.5	.6	88	117	142	195	680	1,400	97	25	34	107
28	.5	.4	88	117	133	238	940	1,290	385	31	7	107
29	7.5	7.5	72	117	-	304	1,260	1,150	337	44	3.2	107
30	16	11	45	115	-	384	1,090	940	286	56	3.0	107
31	16	-	45	115	-	430	-	760	-	57	27	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	445.8	26	0.4	14.4	884
November	910.3	129	.4	30.3	1,810
December	1,443.4	88	.4	46.6	2,860
Calendar year 1934	41,191.5	550	.4	113	81,750
January	1,901.0	117	.7	61.3	3,770
February	2,549.0	238	2.0	91.0	5,060
March	6,172	430	131	199	12,240
April	22,237	1,400	402	741	44,110
May	30,484	1,430	472	983	60,460
June	20,119	1,260	16	671	39,910
July	3,245	232	25	105	6,440
August	1,381.2	62	3.0	44.6	2,740
September	2,347	108	40	78.2	4,660
Water year 1934-35	93,234.7	1,430	.4	255	184,900

South Fork of Tuolumne River near Oakland Recreation Camp, Calif.

Location.- Water-stage recorder, lat. 37°49', long. 120°, in SE¼ sec. 29, T. 1 S., R. 18 E., 75 feet below highway bridge on Big Oak Flat road, half a mile southwest of Oakland Recreation Camp, and 0.6 mile above junction with Middle Tuolumne River. Altitude, about 2,800 feet.

Drainage area.- 87.6 square miles.

Records available.- March 1923 to September 1935.

Average discharge.- 12 years, 61.4 second-feet.

Extremes.- Maximum discharge during year, 1,960 second-feet Apr. 8 (gage height, 7.07 feet); minimum mean daily discharge (estimated), 2.5 second-feet Oct. 1-8, 13-15. 1923-35: Maximum discharge, that of Apr. 8, 1935; minimum, 0.3 second-foot Aug. 23, 1934.

Remarks.- Records good except those estimated, Oct. 1-10, 14-24, Oct. 31 to Nov. 2, Dec. 4-17, and Mar. 20-26. Stage-discharge relation slightly affected by ice Jan. 18, 19. No diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.5	8	13	14	55	61	188	430	337	58	17	9
2	2.5	12	12	14	57	67	175	389	398	56	16	S.S
3	2.5	8	11	14	60	72	395	364	418	54	16	S.S
4	2.5	7	9	91	73	75	451	358	418	51	16	8
5	2.5	6	8	168	110	66	332	398	395	48	15	8
6	2.5	6	8	63	190	63	263	464	370	46	15	8
7	2.5	6	8	46	184	78	403	492	364	43	15	8
8	2.5	5.5	8	46	162	67	1,150	492	325	42	14	8
9	2.8	5	8	189	126	62	550	492	296	40	14	8
10	3.2	5	8	93	101	61	421	492	285	39	13	7.5
11	2.8	4.9	9	60	85	63	395	461	283	37	13	7
12	2.6	4.9	11	46	76	73	382	430	270	35	13	7
13	2.5	4.9	40	40	70	97	367	414	239	33	12	7
14	2.5	4.7	95	43	64	128	430	424	212	32	12	7
15	2.5	27	60	36	60	130	948	424	186	32	12	7.5
16	4	39	35	39	56	110	590	382	173	30	12	7.5
17	8	26	28	37	56	97	464	352	167	28	12	7.5
18	16	42	22	33	63	94	427	352	161	27	11	7
19	17	51	19	26	72	85	434	408	149	26	11	6.5
20	11	32	18	29	81	75	458	434	136	24	11	6.5
21	7	20	17	32	78	75	475	461	125	24	10	6.5
22	6	16	16	32	72	70	454	475	115	24	10	6.5
23	6	19	14	32	73	85	450	492	104	24	10	6
24	6	19	14	37	66	80	464	464	94	23	9.5	6
25	5	15	14	44	58	85	464	437	87	22	9.5	6
26	4.9	14	13	49	57	99	458	472	81	21	9.5	6
27	4.5	13	14	50	55	116	450	461	76	21	10	6
28	4.4	13	16	50	55	134	461	427	72	20	10	6
29	4.3	12	14	51	-	153	650	398	67	19	10	6
30	4.1	12	17	53	-	186	510	334	63	18	9.5	6
31	5.5	-	15	54	-	190	-	299	-	17	9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	152.6	17	2.5	4.92	303
November	457.9	51	4.7	15.3	908
December	594	95	8	19.2	1,180
Calendar year 1934	11,033.7	400	.4	30.2	21,880
January	1,611	189	14	52.0	3,200
February	2,315	190	56	82.7	4,590
March	2,902	190	61	93.6	5,760
April	14,039	1,150	175	468	27,850
May	13,172	492	299	425	26,130
June	6,466	418	63	216	12,830
July	1,014	58	17	32.7	2,010
August	377.0	17	9	12.2	748
September	213.0	9	6	7.10	422
Water year 1934-35	43,313.5	1,150	2.5	119	85,930

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Middle Tuolumne River near Buck Meadows, Calif.

Location.- Water-stage recorder, lat. 37°50', long. 120°, in NW¼ sec. 28, T. 1 S., R. 18 E., half a mile above junction with South Fork of Tuolumne River and 4 miles east of Buck Meadows. Altitude, about 2,800 feet.

Drainage area.- 71.0 square miles.

Records available.- November 1916 to September 1935.

Average discharge.- 18 years (1917-35), 59.3 second-feet.

Extremes.- Maximum discharge during year, 1,220 second-feet Apr. 8 (gage height, 7.65 feet); minimum, 0.3 second-foot Oct. 6, 7.
1917-35: Maximum discharge, 1,330 second-feet May 28, 1919 (gage height, 8.15 feet); no flow Sept. 4-14, 1924, Aug. 12 to Oct. 5, 1931, Sept. 11-17, 1934.

Remarks.- Records good except those for Nov. 17 to Dec. 17 and Feb. 9 to Mar. 6, which were estimated on basis of records at other Tuolumne Basin stations and are fair. Stage-discharge relation slightly affected by ice Jan. 19, 20. Small irrigation diversion 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	0.4	3.4	6	6.5	20	30	90	270	448	70	12	3.7
2	.6	6.5	6	6.5	21	35	88	238	552	68	11	3.0
3	.5	4.2	5	6	22	40	166	222	603	65	10	3.0
4	.4	3.0	5	46	28	45	189	229	629	61	9.5	2.4
5	.4	2.4	4	98	39	40	137	278	603	55	9	2.2
6	.3	2.1	4	26	81	45	109	349	564	52	8	2.1
7	.3	2.4	4	16	79	69	222	415	552	49	8	2.0
8	.4	2.2	4	21	73	38	680	448	492	46	7.5	1.9
9	.5	2.0	4	112	60	31	246	470	426	43	7	1.9
10	.7	1.8	4	37	55	32	186	470	415	41	6	1.8
11	.6	1.7	5	22	50	33	173	448	404	38	5.5	1.7
12	.4	1.6	8	16	45	38	162	426	362	36	5	1.6
13	.4	1.5	15	13	40	49	156	404	338	34	4.7	1.5
14	.4	1.4	30	19	35	66	175	426	298	32	4.4	1.5
15	.4	6.5	20	17	35	68	426	437	258	32	4.2	1.6
16	.6	15	15	14	32	59	288	415	236	28	4.0	1.5
17	1.6	12	12	14	32	50	215	336	229	26	4.0	1.5
18	3.3	20	8	14	35	46	192	328	224	24	3.8	1.4
19	3.5	26	8	11	35	44	202	404	209	22	3.7	1.3
20	2.7	15	8	10	40	40	234	470	191	21	3.5	1.3
21	1.9	10	7	11	40	40	256	516	168	20	3.2	1.3
22	2.0	8	6	12	40	37	256	577	151	19	3.0	1.3
23	2.0	9	4.8	14	40	44	260	616	133	18	2.9	1.2
24	2.2	9	5	18	35	42	278	616	116	18	2.7	1.2
25	1.8	8	6	20	32	44	278	577	107	17	2.6	1.2
26	1.6	7	5	20	32	52	288	642	98	16	2.4	1.2
27	1.3	6	6	20	30	61	298	629	91	15	2.4	1.2
28	1.2	6	8	20	30	69	308	577	85	14	7	1.2
29	1.3	6	6	20	-	79	426	552	79	14	11	1.2
30	1.3	6	7.5	20	-	87	338	415	74	13	6	1.2
31	1.8	-	6.5	20	-	90	-	349	-	12	4.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	36.8	3.5	0.3	1.19	73
November	204.7	25	1.4	6.82	406
December	242.8	30	4	7.83	482
Calendar year 1934	8,201.5	220	0	22.5	16,270
January	720.0	112	6	23.2	1,430
February	1,136	81	20	40.6	2,250
March	1,545	90	30	49.8	3,060
April	7,324	680	88	244	14,530
May	13,551	642	222	437	26,880
June	9,155	629	74	305	18,160
July	1,019	70	12	32.9	2,020
August	178.7	12	2.4	5.76	354
September	51.0	3.7	1.2	1.70	101
Water year 1934-35	35,164.0	680	.3	96.3	69,750

Woods Creek near Jacksonville, Calif.

Location.- Water-stage recorder, lat. 37°51', long. 120°24', in SW¼ sec. 12, T. 1 S., R. 14 E., 1⅛ miles above mouth and 1⅛ miles northwest of Jacksonville. Altitude, about 645 feet.

Drainage area.- 98.4 square miles.

Records available.- October 1925 to September 1935.

Average discharge.- 10 years, 41.9 second-feet.

Extremes.- Maximum discharge during year, 5,100 second-feet Apr. 8 (gage height, 6.88 feet); no flow Oct. 1-12, Aug. 27 to Sept. 9.
1925-35: Maximum discharge, 9,580 second-feet Feb. 6, 1932 (gage height, 8.50 feet); no flow at times during summers of 1929-35.

Remarks.- Records good except those estimated, June 16-22. No diversions. At times water from Stanislaus drainage is spilled into Woods Creek 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	36	9.5	20	44	40	64	126	25	4.0	1.0	0
2	0	12	9	18	41	64	62	96	24	3.2	.9	0
3	0	11	8	15	40	47	1,040	77	22	3.2	.9	.0
4	0	8	8	38	44	138	740	64	20	3.0	.8	0
5	0	6.5	8	314	58	130	280	35	20	3.0	1.3	0
6	0	6	8	134	70	78	207	30	18	3.0	1.6	0
7	0	5	7.5	70	94	1,200	372	27	41	3.2	1.6	0
8	0	4.8	7.5	462	64	460	2,190	26	116.	3.2	1.6	0
9	0	4.5	7.5	573	58	230	783	26	87	3.0	1.2	0
10	0	4.5	7.5	185	65	154	456	26	20	3.0	1.2	.1
11	0	4.5	7.5	126	52	144	308	26	19	4.0	.9	.1
12	0	4.8	8	74	47	134	181	41	19	3.8	.6	.1
13	.6	5	10	53	47	126	136	46	18	3.0	.6	.2
14	.9	5.5	287	108	62	108	83	42	16	3.0	.5	.2
15	.8	14	96	362	54	92	971	41	14	2.8	.4	.2
16	1.2	20	40	302	50	78	656	41	12	2.8	.4	.4
17	4.5	17	31	406	45	68	369	40	9	2.4	.4	.4
18	8	86	22	655	42	64	221	37	6	2.5	.3	.3
19	16	89	16	352	41	59	154	35	4.2	1.9	.3	.3
20	6	41	108	142	38	54	142	32	3.8	1.8	.2	.2
21	4.2	20	105	83	36	84	118	31	3.8	1.9	.2	.2
22	6.5	14	19	80	36	105	107	30	3.5	2.2	.2	.2
23	8	14	14	88	37	335	96	30	3.0	2.4	.2	.2
24	6.5	19	14	112	36	286	88	34	3.2	2.2	.1	.2
25	6	18	12	108	32	164	78	28	3.2	2.0	.1	.3
26	4.0	15	12	92	32	130	72	25	2.8	1.8	.1	.3
27	3.8	14	40	77	34	114	68	24	2.0	1.8	0	.3
28	3.5	12	83	67	35	98	65	24	1.9	1.8	0	.3
29	3.0	10	40	60	-	83	151	24	2.2	1.9	0	.4
30	3.0	9.5	31	54	-	74	240	27	12	1.9	0	.4
31	44	-	26	48	-	68	-	27	-	1.6	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	129.5	44	0	4.18	257
November	530.6	89	4.5	17.7	1,050
December	1,104.0	287	7.5	35.6	2,190
Calendar year 1934	7,715.7	865	0	21.1	15,280
January	5,278	655	15	170	10,470
February	1,354	94	32	48.4	2,690
March	5,009	1,200	40	162	9,940
April	10,498	2,190	62	350	20,820
May	1,218	126	24	39.3	2,420
June	551.6	116	1.9	18.4	1,090
July	81.3	4.0	1.6	2.62	161
August	17.6	1.6	0	.57	35
September	5.3	.4	0	.18	11
Water year 1934-35	25,776.9	2,190	0	70.6	51,130

Modesto Canal near La Grange, Calif.

Location.- Water-stage recorder, lat. 37°40'4", long. 120°, 27'26", in SW¼ sec. 17, T. 3 S., R. 14 E., about 1 mile below intake at La Grange Dam on Tuolumne River, and half a mile northeast of La Grange. Altitude, about 260 feet.

Records available.- April 1903 to September 1935.

Average discharge.- 32 years, 323 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,820 second-feet July 1; no flow at times.
1903-35: Maximum mean daily discharge, that of July 1, 1935; no flow at times.

Remarks.- Records excellent except those estimated, October, Dec. 22 to Jan. 30. Canal diverts from right bank of Tuolumne River at La Grange Dam. Water used for irrigation in Modesto and Waterford irrigation districts. Gage-height record and results of several discharge measurements furnished by Modesto 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		1.0	527	4	35	0	1,010	570	1,110	1,820	812	600
2		1.0	447	4	0	0	1,330	969	1,110	14	806	584
3		263	577	4	0	0	966	1,220	1,110	0	798	550
4		255	558	4	0	0	360	1,230	1,110	0	792	552
5		14	554	4	0	0	216	1,250	1,110	0	801	574
6		13	528	4	0	0	218	1,270	1,100	0	815	586
7		13	579	4	0	0	222	1,190	1,160	0	779	590
8		13	579	4	0	0	228	1,060	1,210	14	768	586
9		14	535	4	0	0	189	1,060	1,210	28	774	602
10		14	601	4	0	0	224	669	1,220	120	804	612
11		14	610	4	0	0	220	864	1,220	310	820	614
12		14	595	4	0	0	222	861	1,220	510	798	612
13		14	599	4	0	0	222	942	1,200	632	798	604
14		14	613	4	0	0	220	1,030	897	618	823	580
15		14	572	4	0	0	224	1,040	210	900	826	524
16		14	532	4	0	0	226	1,040	206	1,050	840	515
17		13	567	4	0	0	224	1,030	206	1,110	826	501
18		13	63	4	0	0	220	1,030	205	1,110	815	501
19		13	18	4	0	0	220	1,030	205	1,060	804	501
20		11	12	4	0	0	222	1,100	768	1,090	781	497
21		10	6	4	0	688	222	1,160	1,190	1,030	774	332
22		10	5	4	0	978	222	1,390	1,270	983	776	332
23		9.5	6	4	0	936	222	1,560	1,570	945	776	332
24		10	4	4	0	906	222	1,570	1,600	922	750	357
25		10	4	4	0	914	222	1,560	1,560	916	727	430
26		9.5	4	4	0	931	275	1,580	1,030	876	703	435
27		193	4	4	0	1,080	247	1,570	650	823	689	430
28		265	4	4	0	948	246	1,420	644	790	669	423
29		208	4	4	-	942	248	1,260	1,260	781	660	421
30		248	4	0	-	942	264	1,110	1,810	784	624	415
31		-	4	48	-	914	-	1,100	-	806	594	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	46.5	-	-	1.5	92
November	1,708.0	265	1.0	56.9	3,390
December	9,717	613	4	313	19,270
Calendar year 1934	131,934.0	911	0	361	261,600
January	164	48	0	5.29	325
February	35	35	0	1.25	69
March	10,181	1,080	0	328	20,190
April	9,593	1,330	189	320	19,030
May	35,955	1,580	570	1,160	71,320
June	30,371	1,810	205	1,012	60,240
July	20,042	1,820	0	647	39,750
August	23,822	840	594	768	47,250
September	15,192	614	332	506	30,130
Water year 1934-35	156,826.5	1,820	0	430	311,100

Turlock Canal near La Grange, Calif.

Location.- Water-stage recorder, lat. 37°40', long. 120°26'25", near north line of NW¼ sec. 21, T. 3 S., R. 14 E., 2,400 feet below intake at La Grange Dam and 1¼ miles east of La Grange. Altitude, about 265 feet.

Records available.- October 1898 to September 1935.

Average discharge.- 37 years, 442 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,860 second-feet June 8-10; minimum mean daily discharge, 0.5 second-foot Dec. 15-17, Mar. 22.
1898-1935: Maximum mean daily discharge, 1,900 second-feet several days in May 1928; no irrigation flow during periods each year. A small flow is usually carried for town of La Grange, but there was no flow at times November 1933 to February 1934.

Remarks.- Records excellent except those estimated, Jan. 19-25. Canal diverts from left bank of Tuolumne River at La Grange Dam. Water is used for irrigation in Turlock irrigation district and to supply town of La Grange. During fall and winter water is diverted from canal at tunnel a third of a mile above gage, and after passing through La Grange power plant returns to river. Gage-height record furnished by Turlock 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	671	4.5	1.0	4.4	2.2	357	12	611	1,700	1,730	1,100	1,410
2	673	111	1.0	2.5	1.4	408	2.4	598	1,720	1,840	1,120	1,420
3	655	6	1.0	2.5	1.8	362	285	592	1,720	1,790	1,120	1,520
4	651	2.5	1.0	2.5	1.4	366	752	589	1,800	1,420	1,100	1,360
5	680	2.5	1.0	2.5	1.3	368	957	585	1,800	1,270	1,150	1,360
6	684	1.8	.9	2.0	1.4	366	1,080	894	1,820	1,300	1,140	1,370
7	640	1.2	.9	1.2	1.2	370	1,090	1,100	1,850	1,400	1,160	1,320
8	658	1.2	.9	1.4	1.8	368	1,140	1,200	1,860	1,480	1,180	1,290
9	366	1.2	.7	1.4	2.0	366	1,080	1,340	1,860	1,560	1,200	1,310
10	669	1.1	.8	23	1.4	364	750	1,350	1,860	1,400	1,200	1,310
11	616	1.0	.8	73	1.3	366	600	1,360	1,590	1,390	1,140	1,320
12	640	1.2	.7	64	1.2	366	594	1,360	1,450	1,280	1,210	908
13	636	1.0	.7	5	1.2	710	589	1,450	1,440	1,020	1,220	698
14	244	.9	.7	64	1.3	858	592	1,550	1,390	1,060	1,200	729
15	267	1.0	.6	90	1.2	868	598	1,650	1,470	890	1,200	702
16	191	.9	.6	82	1.2	858	581	1,690	1,510	990	1,190	823
17	133	.9	.6	48	1.1	830	565	1,680	1,500	1,280	1,200	851
18	101	.9	553	78	1.0	854	587	1,660	1,540	1,160	1,170	964
19	108	.9	659	2	1.0	875	600	1,680	1,620	930	1,210	988
20	141	.7	597	595	1.0	237	603	1,690	1,650	875	1,260	998
21	85	.7	650	715	1.0	4.4	605	1,690	1,650	897	1,270	993
22	108	.6	627	730	.9	.5	605	1,710	1,640	976	1,270	934
23	189	.7	612	715	1.0	1.0	607	1,690	1,590	1,020	1,270	1,010
24	171	.7	672	695	1.0	2.5	607	1,680	1,570	1,030	1,300	970
25	171	.7	532	730	1.0	1.4	607	1,670	1,620	1,050	1,280	889
26	182	.7	595	789	1.0	2.7	607	1,690	1,560	1,090	1,340	895
27	172	.8	223	716	1.0	5.5	640	1,720	1,280	1,120	1,380	884
28	76	.9	216	4.2	.9	12	609	1,780	1,020	1,090	1,380	898
29	180	.9	220	1.3	-	12	616	1,810	1,280	1,120	1,430	842
30	196	.9	92	2.5	-	12	618	1,790	1,740	1,140	1,470	934
31	188	-	211	1.8	-	12	-	1,740	-	1,110	1,480	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,142	684	76	359	22,100
November	150.0	111	.6	5.00	298
December	6,472.6	672	.5	209	12,840
Calendar year 1934	250,605.5	1,880	0	687	497,100
January	6,244.2	789	1.2	201	12,390
February	35.2	2.2	.9	1.26	70
March	10,583.0	875	.5	341	20,990
April	19,178.4	1,140	2.4	639	38,040
May	43,619	1,610	585	1,407	86,520
June	48,000	1,860	1,020	1,600	95,210
July	37,708	1,840	875	1,216	74,790
August	38,340	1,480	1,100	1,237	76,050
September	31,880	1,520	698	1,063	63,230
Water year 1934-35	253,352.4	1,860	.5	694	502,500

Middle Fork of Stanislaus River at Sand Bar Flat, near Avery, Calif.

Location.- Water-stage recorder, lat. 38°11', long. 120°9', in sec. 19, T. 4 N., R. 17 E., half a mile upstream from Pacific Gas & Electric Co. diversion dam at Sand Bar Flat and 11 miles southeast of Avery. Altitude, about 2,450 feet.

Drainage area.- 329 square miles, above diversion dam.

Records available.- September 1905 to September 1935.

Average discharge.- 29 years (1905-8, 1909-35), 658 second-feet.

Extremes.- Maximum mean daily discharge during year, 2,830 second-feet May 26; minimum, 157 second-feet Dec. 29.
1905-35: Maximum mean daily discharge, 9,760 second-feet Mar. 19, 1907; minimum, 30 second-feet Aug. 24, 1924.

Remarks.- Diversion into Middle Fork from South Fork above station; storage at Relief Reservoir. Record of daily discharge furnished by Pacific Gas & Electric 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	217	259	292	158	285	346	859	1,640	2,140	1,210	386	191
2	215	251	270	167	300	343	847	1,510	2,420	1,100	358	183
3	213	243	274	169	314	334	1,180	1,450	2,570	1,020	334	192
4	211	259	278	202	327	336	1,240	1,480	2,630	1,000	325	275
5	211	263	267	281	401	305	1,040	1,730	2,670	1,010	311	289
6	205	261	245	229	596	325	905	1,980	2,610	1,000	300	305
7	213	255	229	225	562	329	1,200	2,170	2,510	913	292	305
8	221	249	241	229	475	309	1,790	2,290	2,450	868	292	302
9	211	247	183	238	429	296	1,270	2,350	2,320	808	305	300
10	209	243	169	221	396	307	1,100	2,290	2,260	772	309	298
11	207	241	167	219	373	311	1,120	2,120	2,320	753	316	296
12	209	238	170	209	358	351	1,180	2,020	2,420	768	316	294
13	211	238	185	200	346	424	1,200	2,010	2,310	904	314	294
14	211	238	351	213	339	530	1,480	2,050	2,110	909	307	294
15	213	289	316	205	316	552	2,100	2,070	1,860	1,180	303	291
16	219	322	251	202	314	475	1,710	1,990	1,730	965	300	287
17	232	298	232	205	320	443	1,480	1,900	1,780	851	292	287
18	234	314	209	205	348	438	1,400	1,780	1,840	764	285	285
19	230	327	207	193	396	412	1,500	1,920	1,950	687	283	283
20	230	294	209	185	438	399	1,790	2,060	1,920	617	289	279
21	232	281	203	185	421	401	1,920	2,220	1,850	536	289	291
22	245	263	200	190	415	370	1,850	2,410	1,870	505	285	291
23	241	320	185	200	428	396	1,880	2,560	1,760	449	292	291
24	236	296	193	209	396	375	1,950	2,580	1,600	446	292	291
25	234	292	188	227	363	386	1,860	2,700	1,490	438	289	291
26	234	294	175	243	358	415	1,910	2,830	1,610	424	296	287
27	232	289	182	249	363	454	1,990	2,790	1,530	410	341	287
28	230	283	169	247	348	499	2,050	2,650	1,460	399	329	277
29	230	283	157	251	-	600	2,270	2,500	1,420	386	238	294
30	232	285	180	263	-	717	1,870	2,130	1,330	373	292	298
31	238	-	162	270	-	812	-	1,900	-	383	259	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,906	245	205	223	13,700
November	8,235	327	238	274	16,330
December	6,729	351	157	217	13,350
Calendar year 1934	127,476	1,110	87	349	252,900
January	6,689	281	158	216	13,270
February	10,723	596	285	383	21,270
March	12,990	812	296	419	25,770
April	45,941	2,270	847	1,531	91,120
May	65,980	2,830	1,450	2,128	130,900
June	60,840	2,670	1,330	2,021	120,300
July	22,748	1,210	373	734	45,120
August	9,419	386	238	304	18,680
September	8,428	305	183	281	16,720
Water year 1934-35	265,428	2,830	157	727	526,500

Melones Reservoir at Melones Dam, Calif.

Location.- Staff gage and reference point, lat. 37°57'15", long. 120°30'45", near center of sec. 11, T. 1 N., R. 13 E., at Melones Dam on Stanislaus River 0.1 mile below Bear Creek.

Records available.- June 1927 to September 1935.

Remarks.- Water is stored in reservoir for irrigation and power use. Elevation of crest of dam, 723 feet above mean sea level. Released water passes through power house 1 mile below Melones Dam and flows down Stanislaus River to Goodwin Dam where it is diverted into Oakdale and South San Joaquin Canal. Table shows total contents, of which 2,630 acre-feet is not available for release. Record of daily contents furnished by Pacific Gas & Electric 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	7,982	10,765	13,530	13,630	11,665	24,658	74,209	95,655	95,320	112,425	93,148	46,871
2	7,946	10,807	13,480	13,380	11,147	26,068	76,676	95,320	96,325	112,240	91,848	45,480
3	7,914	10,722	13,333	13,285	11,020	27,300	79,318	94,985	97,000	111,500	90,385	43,608
4	7,914	10,765	13,285	13,142	10,977	28,740	89,904	94,818	97,000	110,577	88,965	42,200
5	7,914	11,190	13,237	12,905	11,190	29,979	95,320	95,153	97,170	110,211	87,869	40,721
6	7,880	11,063	13,285	13,630	11,710	30,898	94,818	96,158	97,170	109,845	86,178	39,654
7	7,846	11,105	13,190	13,380	13,480	33,115	94,483	96,660	97,850	109,845	84,823	38,332
8	7,710	10,977	13,190	13,480	15,183	37,956	97,680	97,000	96,660	109,845	83,324	37,125
9	7,646	10,935	13,047	13,930	16,241	40,139	97,000	97,170	96,325	109,622	81,536	35,851
10	7,678	10,765	12,620	15,022	17,044	42,100	95,488	97,170	96,325	109,296	80,203	34,514
11	7,646	10,722	12,340	15,076	17,624	43,920	94,985	96,830	95,823	108,930	78,433	33,461
12	7,646	10,518	12,070	14,701	17,980	45,480	94,818	96,660	95,823	108,381	77,260	32,166
13	7,614	10,457	11,800	13,930	18,280	47,192	94,818	96,660	96,830	108,015	75,508	30,982
14	7,518	10,457	11,935	13,480	18,460	49,057	94,818	96,493	96,493	107,466	73,779	29,896
15	7,390	10,396	12,160	13,580	18,340	51,646	96,158	96,493	96,493	107,100	72,200	28,740
16	7,326	10,457	13,880	14,030	17,662	53,948	97,510	96,493	95,823	107,649	70,660	27,540
17	7,422	10,457	14,180	14,648	17,334	55,838	96,325	95,990	96,830	107,466	69,130	26,530
18	7,486	11,147	14,230	15,022	16,928	57,851	95,488	95,655	97,510	107,283	67,240	25,393
19	7,678	11,710	14,230	16,870	17,102	59,384	95,320	95,655	97,680	106,918	66,048	24,364
20	7,948	11,890	14,130	16,986	16,986	60,970	95,655	96,493	99,380	106,196	64,351	23,509
21	8,118	12,715	14,130	16,467	17,102	62,333	96,158	96,660	100,400	105,098	62,459	22,527
22	8,152	12,810	14,030	15,902	17,218	64,090	96,158	97,170	103,290	104,370	60,970	21,435
23	8,254	12,905	13,930	15,343	18,340	64,612	95,990	97,510	106,196	103,460	59,506	20,583
24	8,606	13,142	13,730	14,807	19,878	65,656	95,990	97,680	108,198	102,440	57,950	19,503
25	8,858	13,380	13,530	14,130	21,500	66,570	95,990	97,170	109,479	101,420	56,425	18,520
26	9,148	13,333	13,237	13,780	22,322	66,570	95,823	97,680	109,845	100,740	55,233	17,508
27	9,490	13,430	13,095	13,730	23,012	66,700	95,990	98,020	110,577	99,210	53,717	16,638
28	9,718	13,480	13,430	13,333	24,006	67,645	96,325	97,510	111,130	97,850	52,331	15,676
29	10,153	13,530	13,580	12,953	-	68,590	96,660	97,000	111,870	96,660	51,079	14,648
30	10,234	13,580	13,630	12,572	-	69,960	96,660	96,325	112,240	95,655	49,609	13,680
31	10,315	-	13,630	12,340	-	71,500	-	95,655	-	94,315	48,283	-

Note.- Contents on Sept. 30, 1934, was 7,982 acre-feet.

Stanislaus River below Melones power house, Calif.

Location.- Water-stage recorder, lat. 37°56'50", long. 120°31'45", near line between secs. 10 and 15, T. 1 N., R. 13 E., 300 feet below power house, half a mile above Bear Gulch, and 1 mile below Malones Dam. Altitude, about 500 feet.

Drainage area.- 898 square miles.

Records available.- January 1931 to September 1935.

Extremes.- Maximum discharge during year, 11,500 second-feet Apr. 8 (gage height, 13.00 feet); minimum, 7 second-feet Oct. 15, 17, 18, 20, 21.
1931-35: Maximum discharge, that of Apr. 8, 1935; minimum (estimated), 1 second-foot Feb. 6, 1933.

Remarks.- Records excellent. Numerous diversions and several storage reservoirs above station. See record for Melones Reservoir. Gage-height record furnished by Pacific Gas & Electric 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	254	292	348	355	835	71	690	4,440	4,570	1,670	1,020	989
2	237	287	346	341	655	74	767	3,690	5,390	1,720	1,020	989
3	242	301	340	343	591	18	831	3,330	7,080	1,720	1,020	980
4	244	13	340	710	554	242	1,360	3,330	7,080	1,520	1,010	929
5	235	299	352	724	605	210	3,850	3,570	7,080	1,320	1,080	912
6	231	294	354	702	591	221	3,100	5,250	6,920	1,190	1,110	920
7	238	289	353	724	612	154	3,010	5,980	6,440	1,130	1,100	912
8	239	286	351	727	619	225	8,820	6,440	6,130	1,110	1,100	929
9	238	291	351	735	626	72	6,440	6,920	5,110	1,080	1,090	912
10	236	291	346	757	633	20	4,310	6,920	5,390	1,070	1,100	887
11	242	289	342	760	633	135	3,570	6,130	4,970	1,060	1,040	879
12	234	289	330	760	640	72	3,330	5,530	4,830	1,060	1,080	871
13	233	263	317	736	640	55	3,330	5,830	5,110	1,050	1,090	871
14	227	289	322	720	771	70	3,450	5,680	4,310	1,050	1,100	847
15	220	284	331	712	994	98	7,410	5,830	3,690	1,050	1,110	815
16	198	282	356	730	923	100	7,570	5,530	2,440	1,040	1,110	815
17	190	287	356	744	789	25	5,390	4,830	3,100	1,030	1,120	815
18	190	304	351	770	676	98	4,310	4,440	2,990	1,020	1,020	791
19	190	313	353	825	790	83	4,050	4,440	2,600	1,010	1,100	783
20	190	315	357	798	795	76	4,830	5,830	2,770	998	1,120	783
21	190	339	354	798	769	84	5,250	6,130	1,620	1,030	1,120	775
22	157	342	360	793	214	561	5,390	7,080	1,620	989	1,120	751
23	126	363	360	774	71	685	4,830	7,570	1,670	1,010	1,120	775
24	126	360	357	766	14	544	5,250	8,080	1,670	1,020	1,030	775
25	125	358	353	746	291	920	4,830	7,400	1,670	1,010	963	775
26	130	349	338	732	297	814	4,630	7,910	1,770	1,010	980	775
27	125	349	343	735	168	598	5,110	8,420	1,620	1,010	989	775
28	10	355	349	734	273	653	5,390	7,570	1,670	1,010	989	775
29	165	350	349	709	-	622	6,920	6,920	1,670	998	989	799
30	164	353	349	677	-	755	5,980	5,530	1,520	998	998	698
31	200	-	345	681	-	539	-	4,310	-	998	998	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,026	254	10	194	11,950
November	9,076	363	13	303	18,000
December	10,753	360	317	347	21,330
Calendar year 1934	206,513.5	1,610	6	566	409,700
January	21,818	825	341	704	43,280
February	16,119	994	14	576	31,970
March	8,893	920	18	287	17,640
April	134,198	8,820	690	4,473	266,200
May	180,860	6,420	3,330	5,834	358,700
June	114,500	7,080	1,520	3,817	227,100
July	34,981	1,720	989	1,128	69,380
August	32,836	1,120	963	1,059	65,130
September	25,302	989	698	843	50,190
Water year 1934-35	595,362	8,820	10	1,631	1,181,000

North Fork of Stanislaus River near Avery, Calif.

Location.- Water-stage recorder, lat. 38°14', long. 120°17', in sec. 35, T. 5 N., R. 15 E., 700 feet above intake of Utica Mining Co.'s canal, 3.5 miles above Beaver Creek, and 5 miles northeast of Avery. Altitude, about 3,400 feet.

Drainage area.- 163 square miles.

Records available.- July 1914 to September 1922, November 1928 to September 1935.

Average discharge.- 14 years (1914-22, 1929-35), 384 second-feet.

Extremes.- Maximum discharge during year, 3,970 second-feet May 23 (gage height, 7.58 feet); minimum, 32 second-feet Aug. 28.
1914-22, 1928-35: Maximum discharge, 5,250 second-feet May 11, 1915 (gage height, 8.7 feet); minimum, 5.5 second-feet Dec. 6, 7, 1929.

Remarks.- Records excellent except those interpolated for Dec. 4, 5, 10, 24, and those based on daily staff-gage readings, July 10 to Sept. 30, which are good. Storage in three reservoirs above station and diversion from Beaver Creek.

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

0.5	14	1.8	102	3.4	430	6.2	2,310
.6	17	2.0	125	3.8	565	6.6	2,750
.8	24	2.2	152	4.2	740	7.0	3,220
1.0	34	2.4	185	4.6	960	7.3	3,580
1.2	47	2.6	224	5.0	1,220	7.6	3,970
1.4	63	2.8	268	5.4	1,530		
1.6	83	3.0	317	5.8	1,900		

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	58	78	79	93	160	191	668	1,180	1,800	212	58	44
2	57	65	76	92	171	189	668	1,050	2,100	230	55	44
3	56	62	59	92	160	185	1,450	1,080	2,200	187	55	53
4	46	82	62	133	198	183	960	1,260	2,150	178	54	53
5	38	68	65	224	285	173	668	1,760	2,100	163	54	53
6	39	60	68	141	460	175	605	2,260	1,950	152	53	53
7	40	57	82	129	360	173	1,560	2,530	1,760	142	53	52
8	37	55	79	130	280	171	1,360	2,640	1,620	129	53	52
9	38	54	78	135	247	163	790	2,700	1,450	118	51	51
10	39	53	78	121	222	162	690	2,480	1,290	111	50	51
11	41	45	78	121	208	162	765	2,150	1,260	104	49	51
12	47	39	82	112	194	202	960	2,050	1,290	97	49	50
13	49	43	106	112	189	273	1,050	2,150	1,120	90	47	50
14	53	68	291	115	180	340	2,060	2,260	960	88	46	50
15	62	152	198	114	165	314	2,100	2,260	790	90	46	49
16	72	132	139	112	171	256	1,330	2,050	690	96	52	46
17	65	102	123	108	163	234	1,020	1,760	668	90	59	41
18	49	125	110	98	218	230	990	1,760	668	81	59	39
19	44	130	108	91	263	214	1,290	2,100	668	75	58	37
20	44	106	104	99	290	208	1,760	2,360	645	66	57	41
21	49	110	104	100	259	208	1,900	2,640	585	60	55	44
22	67	110	101	96	261	194	1,660	2,860	548	52	54	44
23	67	135	98	97	261	198	1,300	3,040	495	46	53	44
24	63	106	92	105	220	193	1,850	2,800	421	41	55	43
25	59	97	86	117	202	204	1,710	2,640	371	57	60	44
26	57	98	92	123	189	239	1,850	2,750	349	77	59	44
27	55	96	92	123	183	282	2,050	2,580	325	76	52	51
28	56	93	95	121	180	333	2,260	2,360	320	75	41	53
29	57	96	92	132	-	424	2,580	2,050	278	74	45	53
30	56	81	96	138	-	495	1,580	1,530	241	65	45	53
31	62	-	85	145	-	668	-	1,370	-	58	44	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,622	72	37	52.3	3,220
November	2,598	152	39	86.6	5,150
December	3,098	291	59	99.9	8,140
Calendar year 1934	68,640	1,620	26	188	136,000
January	3,669	224	91	118	7,280
February	6,379	460	160	228	12,650
March	7,636	668	162	246	15,150
April	41,984	2,580	605	1,399	83,270
May	66,460	3,040	1,050	2,144	131,800
June	31,112	2,200	241	1,037	61,710
July	3,180	230	41	103	6,310
August	1,621	60	41	52.3	3,220
September	1,433	53	37	47.8	2,840
Water year 1934-35	170,792	3,040	37	468	338,700

South San Joaquin Canal near Knights Ferry, Calif.

Location.- Water-stage recorder, lat. 37°51'20", long. 120°38'15", in sec. 15, T. 1 S., R. 12 E., three-quarters of a mile below head gate at Goodwin Dam on Stanislaus River and 4 miles above Knights Ferry. Altitude, about 345 feet.

Records available.- May 1914 to September 1935. Miscellaneous measurements and rough estimates for 1913.

Extremes.- Maximum mean daily discharge during year, 997 second-feet at times during June and July; probably no flow at times October to April.
1914-35: Maximum mean daily discharge, 1,070 second-feet July 1-3, 1921; no flow during several months each year.

Remarks.- Records good. No record Oct. 22 to Jan. 30, Feb. 16 to Mar. 20, Apr. 17-23. Canal diverts from right bank of Stanislaus River at Goodwin Dam; water used for irrigation in Oakdale and South San Joaquin irrigation districts. Gage-height record furnished by South San Joaquin 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	176			-	712	-	170	433	892	997	697	727
2	176			-	727	-	310	370	892	997	727	727
3	176			-	667	-	255	459	967	982	727	727
4	177			-	637	-	145	497	982	982	727	682
5	176			-	667	-	148	502	982	967	757	652
6	171			-	652	-	144	576	982	907	832	667
7	170			-	667	-	145	682	982	817	817	667
8	170			-	682	-	144	798	982	802	817	667
9	172			-	682	-	131	892	982	757	817	667
10	171			-	697	-	128	817	982	757	817	637
11	170			-	697	-	126	817	982	742	787	637
12	170			-	697	-	125	817	982	742	787	622
13	166			-	603	-	126	862	982	727	802	622
14	162			-	415	-	127	952	967	727	802	607
15	156			-	164	-	131	967	982	742	817	577
16	136			-	-	-	42	982	982	742	817	562
17	113			-	-	-	-	967	997	772	832	562
18	115			-	-	-	-	982	982	727	772	547
19	117			-	-	-	-	982	982	712	817	532
20	118			-	-	-	-	982	997	682	847	532
21	52			-	-	113	-	982	982	712	847	532
22	-			-	-	236	-	952	982	682	847	517
23	-			-	-	286	-	877	997	697	847	517
24	-			-	-	286	96	892	997	697	772	532
25	-			-	-	300	398	877	982	697	697	547
26	-			-	-	336	602	877	997	697	697	547
27	-			-	-	277	667	892	982	697	712	547
28	-			-	-	230	667	877	982	712	712	547
29	-			-	-	230	640	877	982	712	727	562
30	-			-	-	230	562	862	982	697	727	517
31	-			374	-	230	-	877	-	697	727	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-21	3,210	177	52	153	6,370
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year 1934					
January	-	-	-	-	-
February 1-15	9,366	727	164	624	18,580
March 21-31	2,754	336	113	250	5,460
April	-	-	-	-	-
May	25,168	982	370	812	49,920
June	29,325	997	892	978	58,170
July	23,977	997	682	773	47,560
August	24,127	847	697	778	47,860
September	17,985	727	517	600	35,670
Water year 1934-35					

Oakdale Canal near Knights Ferry, Calif.

Location.- Water-stage recorder, lat. 37°51'30", long. 120°38', in SE¼ sec. 10, T. 1 S., R. 12 E., half a mile below head gate at Goodwin Dam on Stanislaus River and 4 miles above Knights Ferry. Altitude, about 350 feet.

Records available.- May 1914 to September 1935; also miscellaneous measurements and rough estimates for 1913.

Extremes.- Maximum mean daily discharge during year, 320 second-feet at times during June and July; probably no flow for long periods, November to March.
1914-35: Maximum mean daily discharge, that of June and July 1935; no flow during periods of each year.

Remarks.- Records good. No record Oct. 29 to Mar. 30, Apr. 4-24. Canal diverts from left bank of river at Goodwin Dam. Water is used for irrigation in Oakdale irrigation district. Gage-height record and results of a number of discharge measurements furnished by Oakdale 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	74					-	56	70	317	320	318	276
2	72					-	60	68	317	320	317	272
3	72					-	17	92	317	320	314	269
4	72					-	-	113	318	320	312	266
5	74					-	-	139	318	320	312	264
6	72					-	-	166	318	320	308	263
7	72					-	-	189	318	319	307	262
8	72					-	-	214	317	316	308	264
9	74					-	-	244	318	317	310	264
10	76					-	-	256	318	317	310	262
11	76					-	-	269	317	320	310	262
12	77					-	-	281	318	320	311	264
13	77					-	-	293	318	320	311	262
14	77					-	-	299	318	320	311	257
15	78					-	-	305	317	318	312	256
16	77					-	-	291	318	317	310	257
17	76					-	-	306	319	216	304	256
18	76					-	-	306	318	302	298	256
19	76					-	-	307	318	310	296	255
20	72					-	-	308	319	314	295	255
21	72					-	-	307	318	316	293	252
22	72					-	-	307	319	317	292	247
23	76					-	-	307	320	318	291	240
24	102					-	-	306	320	317	289	236
25	106					-	57	311	320	317	286	230
26	110					-	86	312	320	315	284	224
27	109					-	104	311	320	312	281	223
28	4.5					-	106	315	320	311	280	224
29	-					-	93	317	320	312	276	224
30	-					-	72	317	320	317	276	220
31	-					34	-	317	-	317	278	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-28	2,143.5	110	4.5	76.6	4,250
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year 1934					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	7,945	317	68	256	15,760
June	9,553	320	317	318	18,950
July	9,715	320	216	313	19,270
August	9,300	318	276	300	18,450
September	7,562	276	220	252	15,000
Water year 1934-35					

Calaveras River at Jenny Lind, Calif.

Location.- Water-stage recorder, lat. 38°05', long. 120°52', in SW¼ sec. 22, T. 3 N., R. 10 E., at highway bridge on Milton road a quarter of a mile south of Jenny Lind and 6⅛ miles below Cosgrove Creek. Altitude, about 220 feet.

Drainage area.- 395 square miles.

Records available.- January 1907 to September 1935.

Average discharge.- 26 years (1908-23, 1924-35), 250 second-feet.

Extremes.- Maximum discharge during year, 3,300 second-feet Mar. 7 (gage height, 6.73 feet); no flow Oct. 1-26, Aug. 15 to Sept. 30.
1907-35: Maximum discharge, about 69,600 second-feet Jan. 31, 1911; stage was reported higher about midnight; no flow during late summer 1913-15, 1917-22, 1924-35.

Remarks.- Records good. Hogan Reservoir (Stockton flood-control dam) above station regulates flow to some extent; small storage on and diversion from North Fork into Mokelumne River drainage; also diversion from North Fork of Stanislaus River into Calaveras River 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	20	26	137	136	79	203	466	65	42	4.2	
2	0	5	27	100	123	110	191	350	63	46	2.3	
3	0	3.4	27	84	113	152	746	285	57	49	6.5	
4	0	11	27	92	110	142	1,960	241	55	48	7.5	
5	0	11	26	890	120	214	1,740	215	52	45	14	
6	0	12	26	754	142	214	966	195	45	44	14	
7	0	17	26	378	235	2,150	1,010	183	41	44	14	
8	0	16	26	805	280	2,900	2,700	172	41	44	14	
9	0	16	28	1,360	248	1,900	2,960	165	48	44	13	
10	0	16	29	1,520	243	810	2,460	155	55	44	11	
11	0	16	29	603	210	522	1,440	145	59	42	8	
12	0	16	29	338	184	462	856	135	57	41	6	
13	0	15	30	231	173	436	641	130	59	41	1.6	
14	0	16	44	191	166	396	552	124	57	40	.4	
15	0	22	137	1,040	156	338	825	119	42	34	0	
16	0	17	126	1,200	142	280	2,010	111	34	27	0	
17	0	19	86	1,080	126	243	1,580	108	30	24	0	
18	0	19	65	999	116	218	1,020	106	28	24	0	
19	0	20	53	1,580	113	195	748	101	22	24	0	
20	0	20	47	810	102	176	606	94	24	23	0	
21	0	20	44	462	100	218	514	90	28	23	0	
22	0	20	41	332	98	354	444	83	27	23	0	
23	0	20	39	280	95	474	394	79	27	23	0	
24	0	20	38	290	92	874	356	77	26	21	0	
25	0	20	36	299	88	554	320	75	24	20	0	
26	0	21	35	280	83	420	285	71	24	20	0	
27	8	25	39	243	81	338	260	69	23	20	0	
28	11	27	107	214	79	285	237	69	23	19	0	
29	12	26	196	191	-	248	335	63	24	18	0	
30	12	26	155	173	-	231	732	62	34	18	0	
31	15	-	162	152	-	214	-	63	-	16	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	58	15	0	1.87	115
November	532.4	27	3.4	17.7	1,060
December	1,806	196	26	58.3	3,580
Calendar year 1934	24,873.0	2,230	0	68.1	49,330
January	17,108	1,580	84	552	33,930
February	3,954	280	79	141	7,840
March	16,149	2,900	79	521	32,030
April	29,091	2,960	191	970	57,700
May	4,401	466	62	142	8,730
June	1,194	65	22	39.8	2,370
July	991	49	16	32.0	1,970
August	116.5	14	0	3.76	231
September	0	0	0	0	0
Water year 1934-35	75,400.9	2,960	0	207	149,600

Note.- No flow during September.

Cosgrove Creek near Valley Springs, Calif.

Location.- Water-stage recorder, lat. 38°09', long. 120°50', in SE¼ sec. 35, T. 4 N., R. 10 E., 0.4 mile above mouth and 2⅜ miles south of Valley Springs. Altitude, about 580 feet.

Drainage area.- 20.6 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year, 565 second-feet Apr. 7 (gage height, 4.65 feet); no flow several months.
1929-35: Maximum discharge, 1,060 second-feet Feb. 6, 1932 (gage height, 5.55 feet); no flow several months each year.

Remarks.- Records good. No diversions.

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

1.7	0	2.4	9.5	3.2	88	4.6	540
1.8	.1	2.5	13.5	3.4	130	4.8	640
1.9	.4	2.6	18.5	3.6	178	5.0	740
2.0	1.0	2.7	24	3.8	232	5.2	850
2.1	2.2	2.8	31	4.0	296	5.4	965
2.2	4.0	2.9	41	4.2	370	5.6	1,085
2.3	6.5	3.0	54	4.4	450		

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	0.6	1.7	1.2	1.0	6	0.2			
2			0	.3	1.7	1.7	1.0	3.8	.1			
3			0	.3	1.6	1.5	96	2.7	.1			
4			0	74	1.7	1.4	117	2.0	.1			
5			0	55	2.1	1.4	53	1.6	0			
6			0	14	2.2	1.4	15	1.4	0			
7			0	7	3.1	166	169	1.2	0			
8			0	84	4.8	50	221	1.1	0			
9			0	55	8	18	49	1.0	0			
10			0	14	11	9.5	18	1.1	0			
11			0	9	5	6	11	1.1	0			
12			0	6	4.2	5	7.5	1.1	0			
13			0	4.2	4.5	4.0	6	1.0	0			
14			0	8.5	4.5	3.5	5.5	1.0	0			
15			0	20	3.3	2.9	39	.9	0			
16			0	35	2.6	2.6	51	.9	0			
17			0	18	2.2	2.1	14	.8	0			
18			0	103	2.1	1.8	8	.8	0			
19			0	43	2.0	1.7	5.5	.7	0			
20			0	14	1.8	1.6	4.5	.6	0			
21			0	9	1.7	3.3	3.6	.5	0			
22			0	7	1.5	2.9	3.1	.4	0			
23			0	6	1.4	4.2	2.7	.3	0			
24			0	5	1.2	6	2.4	.3	0			
25			0	4.0	1.1	2.9	2.0	.3	0			
26			0	3.6	1.0	2.2	1.7	.2	0			
27			.1	3.1	1.0	2.0	1.5	.2	0			
28			4.3	2.7	.9	1.7	1.4	.2	0			
29			1.8	2.4	-	1.4	32	.2	0			
30			.7	2.2	-	1.2	26	.2	0			
31			.8	2.0	-	1.1	-	.2	-			

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	7.7	4.3	0	.25	15
Calendar year 1934	1,282.3	222	0	3.51	2,540
January	611.9	103	.3	19.7	1,210
February	79.9	11	.9	2.85	158
March	312.2	166	1.1	10.1	619
April	968.4	221	1.0	32.3	1,920
May	33.8	6	.2	1.09	67
June	.6	.2	0	.02	1.0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	2,014.4	221	0	5.52	3,990

Note.- No flow during months left blank.

Salt Springs Reservoir near West Point, Calif.

Location.- Staff gage, lat. 38°30', long. 120°12', in SE¼ sec. 33, T. 8 N., R. 16 E., at Salt Springs Dam on North Fork of Mokelumne River 2 miles above Cold Creek and 18 miles northeast of West Point.

Drainage area.- 160 square miles.

Records available.- March 1931 to September 1935.

Remarks.- This is largest storage unit on Mokelumne system of Pacific Gas & Electric Co. Elevation of crest of dam, 3,958 feet above mean sea level. Water is released through power house just below dam and discharges into Tiger Creek conduit. Table, furnished by Pacific Gas & Electric Co., shows contents available for release.

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	46,692	32,284	26,256	13,737	5,106	3,713	6,858	47,638	117,144	129,636	111,919	97,490
2	46,106	32,037	26,165	13,702	4,906	3,536	7,707	48,294	121,190	129,636	110,955	96,581
3	45,524	31,988	26,074	13,531	4,688	3,420	9,228	48,895	125,016	129,542	110,168	95,594
4	45,060	31,959	25,802	13,429	4,623	3,286	10,726	49,559	127,872	129,542	109,297	94,693
5	44,600	31,889	25,531	13,634	4,623	3,210	12,093	50,472	130,568	129,356	109,297	93,633
6	44,142	31,791	25,441	13,944	5,039	3,097	12,955	52,576	130,475	129,171	109,645	92,660
7	43,687	31,644	25,216	14,257	5,582	3,005	14,153	55,557	129,822	128,799	109,906	91,690
8	43,234	31,448	24,548	14,502	6,027	2,859	16,747	58,707	129,822	128,335	110,168	90,805
9	42,727	31,253	23,886	14,891	6,075	2,715	17,921	61,818	129,822	127,964	110,343	89,764
10	42,224	31,058	23,233	15,212	6,099	2,680	19,050	64,586	129,729	127,409	110,517	88,886
11	41,724	30,815	22,631	15,464	5,932	2,505	20,090	66,767	129,729	126,940	110,517	87,855
12	41,227	30,622	21,909	15,753	5,651	2,436	21,322	68,835	129,822	126,302	110,430	86,828
13	40,788	30,380	21,239	15,972	5,376	2,488	22,802	70,566	129,636	125,842	110,430	85,806
14	40,350	30,140	21,114	16,082	5,083	2,733	24,681	72,461	129,636	125,383	110,255	84,867
15	39,861	30,044	21,280	16,045	4,840	3,134	28,430	74,598	129,636	124,833	109,994	83,856
16	39,320	30,284	20,825	15,499	4,580	3,323	30,815	76,085	129,636	124,284	109,645	82,926
17	38,875	30,332	20,375	14,962	4,284	3,420	32,780	76,609	129,729	123,644	109,123	81,923
18	38,141	30,429	19,848	14,222	4,118	3,516	33,733	77,209	129,636	123,006	108,515	80,925
19	37,663	30,525	19,298	13,360	4,159	3,516	35,416	78,188	129,729	122,369	107,822	79,933
20	37,136	30,332	18,814	12,720	4,305	3,674	36,768	79,933	129,822	121,643	107,131	78,945
21	38,716	30,092	18,345	12,028	4,325	3,693	38,514	83,236	129,729	120,829	106,442	78,037
22	36,506	29,582	17,729	11,163	4,325	3,733	39,861	87,617	129,822	120,106	105,668	77,284
23	36,037	29,566	17,160	10,143	4,368	3,733	40,350	92,417	129,838	119,385	104,897	76,235
24	35,571	29,043	16,673	9,373	4,305	3,733	40,788	97,573	129,636	118,666	104,128	75,266
25	35,107	28,571	16,635	8,436	4,118	3,773	41,171	100,155	129,729	117,770	103,277	74,227
26	34,595	28,102	15,936	7,893	3,954	3,894	41,946	104,982	129,822	116,965	102,429	73,268
27	34,188	27,822	15,320	7,213	3,853	4,118	42,839	107,995	129,822	116,074	101,668	72,241
28	33,783	27,358	14,784	6,584	3,713	4,305	44,314	109,994	129,729	115,274	100,994	71,292
29	33,380	26,851	14,222	6,004	-	4,559	46,398	111,831	129,636	114,476	100,238	70,276
30	32,930	26,348	13,979	5,674	-	4,884	47,460	112,710	129,636	113,592	99,402	69,338
31	32,582	-	13,910	5,399	-	5,791	-	114,299	-	112,798	98,485	-

Note.- Contents on Sept. 30, 1934, was 47,046 acre-feet.

North Fork of Mokelumne River below Salt Springs Dam, Calif.

Location.- Water-stage recorder, lat. 38°29', long. 120°13', in SW¼ sec. 33, T. 8 N., R. 16 E., 0.3 mile (revised) below Salt Springs Dam and 3⅞ miles above Moore Creek. Altitude, about 3,600 feet.

Drainage area.- 160 square miles.

Records available.- September 1926 to September 1935.

Extremes.- Maximum discharge during year, 4,080 second-feet June 6 (gage height, 8.55 feet); minimum (estimated), 2 second-feet Dec. 4 to Jan. 14.
1926-35: Maximum discharge, 8,740 second-feet Mar. 25, 1928 (gage height, 13.62 feet); minimum, 0.2 second-foot Mar. 31, 1931.

Remarks.- Records good except those for Oct. 1 to Jan. 14, which were estimated from record of leakage through Salt Springs Dam and are fair. Storage and diversion above station. See records for Salt Springs Reservoir and Tiger Creek power-house conduit. Gage-height record and results of discharge measurements furnished by Pacific Gas & Electric 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	6	4	3	2	103	30	34	755	540	40	20	16
2	6	4	3	2	77	31	34	510	646	32	19	16
3	6	4	3	2	61	31	30	510	1,190	29	19	16
4	6	4	2	2	123	32	30	510	1,840	27	19	16
5	6	4		2	231	32	30	510	2,220	27	19	16
6	5	4	2	2	198	32	29	525	3,460	27	19	16
7	5	4	2	2	72	32	30	525	2,860	27	19	16
8	5	4	2	2	124	32	47	674	2,580	26	19	15
9	5	4	2	2	235	33	39	786	2,340	26	19	15
10	5	4	2	2	288	33	39	767	2,260	25	19	15
11	5	4	2	2	345	67	39	767	2,260	25	19	14
12	5	4	2	2	329	77	40	767	2,500	25	19	14
13	5	4	2	2	217	75	40	767	2,190	24	19	14
14	5	4	2	2	156	113	42	767	1,650	24	18	14
15	5	4	2	149	63	185	45	929	1,380	24	18	14
16	4	4	2	261	28	185	45	1,090	1,290	24	18	14
17	4	4	2	266	216	185	45	1,140	1,290	23	18	13
18	4	4	2	347	149	87	45	1,140	1,120	23	18	13
19	4	4	2	352	152	36	213	1,140	1,090	23	18	13
20	4	4	2	368	190	35	540	913	1,090	22	18	12
21	4	4	2	394	240	35	540	540	972	22	18	12
22	4	4	2	394	240	35	771	540	972	22	18	12
23	4	4	2	394	240	115	1,040	540	729	22	18	12
24	4	4	2	408	276	200	998	808	439	22	17	12
25	4	4	2	422	120	84	887	1,160	342	22	17	12
26	4	4	2	422	29	34	887	1,220	355	22	17	11
27	4	4	2	394	29	35	887	1,770	342	22	17	11
28	4	4	2	368	30	90	887	1,840	276	22	17	10
29	4	4	2	283	-	122	887	1,560	191	21	17	10
30	4	4	2	224	-	176	887	944	86	20	16	10
31	4	-	2	183	-	34	-	540	-	20	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	144	6	4	4.65	286
November	120	4	4	4.00	238
December	65	3	2	2.10	129
Calendar year 1934	6,613.8	428	.4	18.1	13,130
January	5,657	422	2	182	11,220
February	4,561	345	28	163	9,050
March	2,323	200	30	74.9	4,610
April	10,107	1,040	29	337	20,050
May	26,952	1,640	510	869	53,460
June	40,500	3,460	86	1,350	80,330
July	760	40	20	24.5	1,510
August	562	20	16	18.1	1,110
September	404	16	10	13.5	801
Water year 1934-35	92,155	3,460	2	252	182,800

Mokelumne River near Mokelumne Hill, Calif.

Location.- Water-stage recorder, lat. 38°18'40", long. 120°43'10", in sec. 1, T. 5 N., R. 11 E., at highway bridge 1¼ miles northwest of Mokelumne Hill and 8 miles below junction of North and South Forks. Altitude, about 650 feet.

Drainage area.- 538 square miles.

Records available.- November 1927 to September 1935.

Extremes.- Maximum discharge during year, 6,020 second-feet Apr. 8 (gage height, 8.14 feet); minimum, 78 second-feet Dec. 25.
1927-35: Maximum discharge, 23,300 second-feet Mar. 25, 1928 (gage height, 16.10 feet); minimum, 14 second-feet Oct. 27, 1929.

Remarks.- Records excellent. Diversions, three power plants, and several storage reservoirs above station (see records for Salt Springs 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	240	306	360	164	656	456	594	2,300	1,630	640	487	414
2	296	216	185	210	604	482	554	1,810	1,950	656	501	478
3	310	246	164	382	492	398	1,670	1,720	2,540	640	496	469
4	269	154	202	406	530	496	2,530	1,630	3,290	569	469	501
5	240	282	269	554	678	496	2,000	1,860	3,460	501	464	505
6	256	234	272	262	869	473	1,460	2,230	4,790	520	492	515
7	234	213	354	266	947	672	1,950	2,550	4,520	492	496	473
8	259	174	469	339	728	625	4,390	2,600	3,880	604	492	436
9	272	204	435	459	656	539	2,750	2,710	3,360	534	469	512
10	269	269	460	394	604	478	1,900	2,710	3,170	525	473	521
11	279	193	478	216	651	530	1,540	2,400	3,170	554	478	521
12	286	177	443	219	678	520	1,460	2,350	3,410	525	510	545
13	313	190	473	184	710	687	1,420	2,250	3,170	530	544	545
14	289	196	554	193	705	774	1,350	2,350	2,550	496	530	540
15	228	246	451	291	614	635	3,510	2,520	2,000	487	482	436
16	262	317	435	520	579	574	3,020	2,550	1,720	510	443	512
17	289	289	515	651	456	501	2,380	2,450	1,860	530	447	545
18	286	350	460	762	508	515	1,900	2,250	1,810	525	469	549
19	269	374	492	762	556	632	1,810	2,500	1,760	520	482	526
20	272	435	451	678	515	460	2,450	2,390	1,760	496	520	530
21	286	398	473	688	599	570	2,500	2,400	1,630	422	505	481
22	286	350	464	716	559	536	2,450	2,500	1,540	492	505	373
23	303	505	435	683	539	409	2,600	2,400	1,340	515	501	430
24	306	482	460	733	469	515	2,820	2,500	1,140	496	482	502
25	289	473	163	812	576	604	2,450	2,930	965	492	406	526
26	313	460	455	818	594	584	2,550	3,090	965	478	473	516
27	275	497	539	722	515	626	2,600	3,290	998	487	496	516
28	269	492	554	774	435	542	2,710	3,410	938	496	530	512
29	197	505	464	666	-	645	3,370	3,170	837	496	487	512
30	196	492	272	635	-	797	2,550	2,350	700	492	496	512
31	262	-	256	574	-	616	-	1,500	-	478	478	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,400	313	196	271	16,660
November	9,669	505	154	323	19,220
December	12,457	554	163	402	24,710
Calendar year 1934	142,867	1,530	154	391	283,300
January	15,713	818	164	507	31,170
February	17,022	947	435	608	33,760
March	17,387	797	398	561	34,490
April	67,238	4,390	554	2,241	133,400
May	75,670	3,410	1,500	2,441	150,100
June	66,855	4,790	700	2,228	132,600
July	16,198	656	422	523	32,130
August	15,103	544	408	487	29,960
September	14,931	549	373	498	29,620
Water year 1934-35	336,661	4,790	154	922	667,800

Mokelumne River at Lancha Plana, Calif.

Location.- Water-stage recorder, lat. 38°13'25", long. 120°53'20", in SW¼ sec. 4, T. 4 N., R. 10 E., 1 mile east of Lancha Plana, 3 miles downstream from Pardee Dam, and 5 miles above Camanche Creek. Altitude, about 200 feet.

Drainage area.- 584 square miles.

Records available.- June 1926 to September 1935.

Extremes.- Maximum discharge during year, 5,480 second-feet June 6 (gage height, 8.86 feet); minimum, 82 second-feet Dec. 27.
1926-35: Maximum discharge, 27,300 second-feet Mar. 25, 1928 (gage height, 19.65 feet); minimum, 5.5 second-feet Nov. 21, 1929.

Remarks.- Records excellent. Pardee, Salt Springs, and several smaller reservoirs, four hydroelectric plants, and diversions above station. East Bay Municipal Utility District Aqueduct is largest diversion.

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	452	584	251	101	576	480	583	528	1,540	670	507	392
2	462	589	188	369	593	498	593	549	1,760	555	518	465
3	443	589	193	371	593	513	626	540	2,360	557	530	628
4	450	314	195	402	593	562	613	522	3,150	459	396	628
5	455	525	193	391	593	593	605	492	3,460	537	512	632
6	449	586	193	97	593	597	605	534	4,760	509	570	632
7	446	586	202	378	597	605	326	533	4,770	458	570	627
8	449	586	200	395	593	605	545	530	4,180	535	623	397
9	453	586	200	393	597	593	630	527	3,910	521	623	426
10	463	586	130	380	597	307	630	1,030	3,430	524	439	583
11	448	582	96	376	593	475	487	1,440	3,400	525	395	632
12	435	582	96	385	593	589	473	2,220	3,820	523	518	591
13	475	578	96	96	593	589	469	2,900	3,360	520	623	535
14	465	578	103	377	593	589	283	2,910	2,340	522	623	540
15	466	586	101	382	589	597	475	2,550	1,830	523	623	406
16	470	578	97	386	562	570	597	2,420	1,270	525	510	513
17	471	578	351	391	555	300	646	2,110	1,720	515	401	637
18	467	578	312	390	555	491	646	1,870	1,880	523	387	637
19	461	574	300	398	555	586	646	2,320	1,850	516	500	637
20	470	570	292	96	556	593	641	3,010	1,780	522	623	632
21	471	570	292	370	562	593	418	3,010	1,740	509	623	540
22	466	566	295	386	562	593	588	3,010	1,610	507	623	407
23	462	570	87	420	555	593	664	2,570	1,450	517	511	513
24	461	566	330	380	558	298	668	1,830	1,180	520	399	520
25	466	566	96	379	558	505	668	2,050	992	520	388	588
26	478	566	192	382	558	517	664	3,140	880	519	502	588
27	473	566	194	97	558	517	412	3,620	922	524	510	530
28	479	566	194	332	532	524	404	3,510	904	499	527	535
29	488	562	198	322	-	536	593	3,020	814	499	530	439
30	473	562	90	342	-	517	547	1,710	637	524	512	516
31	470	-	171	298	-	498	-	1,470	-	516	520	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14,337	488	435	462	28,440
November	16,975	589	314	566	33,670
December	5,928	351	87	191	11,760
Calendar year 1934	168,762	725	87	462	334,800
January	10,262	420	96	331	20,350
February	16,111	597	532	575	31,960
March	16,423	605	298	530	32,570
April	16,745	668	283	558	33,210
May	58,475	3,620	492	1,886	116,000
June	67,699	4,770	637	2,257	134,300
July	16,193	670	458	522	32,120
August	16,136	623	367	521	32,010
September	16,346	637	392	545	32,420
Water year 1934-35	271,630	4,770	87	744	538,800

Mokelumne River near Clements, Calif.

Location.- Water-stage recorder, lat. 38°12'25", long. 121°5'20", in NW¼ sec. 15, T. 4 N., R. 8 E., 700 feet above highway bridge, 1 mile north of Clements, and 3 miles below Murphy Creek. Altitude, about 80 feet.

Drainage area.- 630 square miles.

Records available.- October 1904 to September 1935.

Average discharge.- 24 years (1904-28), 1,110 second-feet. Storage and diversion by East Bay Municipal Utility District began March 1929.

Extremes.- Maximum discharge during year, 5,270 second-feet June 7 (gage height, 11.34 feet); minimum, 95 second-feet Dec. 24.
1904-35: Maximum discharge, 25,600 second-feet Mar. 25, 1928 (gage height, 22.45 feet at station below bridge); no flow July 9, Aug. 15, 20-23, 1924.

Remarks.- Records excellent. Diversions and storage above station. (See Mokelumne River at Lancha Plana.)

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	455	556	316	154	528	517	552	507	1,570	661	493	414
2	426	581	185	249	591	460	599	547	1,750	592	514	406
3	437	576	185	381	595	506	797	534	2,240	561	517	610
4	432	374	182	497	599	536	714	535	2,960	494	429	623
5	429	442	182	571	595	587	663	469	3,460	499	464	623
6	442	576	182	250	595	595	630	533	4,360	500	568	623
7	425	576	190	263	595	755	541	538	4,900	489	568	623
8	429	576	193	502	595	676	1,090	537	3,920	483	619	424
9	424	576	190	486	602	614	680	534	3,980	512	614	380
10	434	576	167	408	602	403	651	808	3,440	515	476	585
11	437	572	103	393	599	422	533	1,370	3,330	520	384	623
12	438	572	97	385	595	587	488	2,010	3,690	516	460	580
13	426	572	101	246	599	591	480	2,890	3,520	517	614	521
14	439	576	113	264	602	591	344	2,980	2,450	518	619	546
15	439	606	105	383	599	591	413	2,680	1,940	518	619	436
16	450	568	101	450	567	595	599	2,440	1,320	515	500	454
17	448	581	236	410	556	362	651	2,210	1,620	514	427	632
18	468	576	339	444	552	411	655	1,950	1,860	509	371	632
19	453	572	299	447	548	587	655	2,050	1,850	510	443	632
20	448	564	295	251	548	595	655	2,930	1,770	510	606	632
21	456	568	291	261	556	599	470	2,980	1,760	499	610	529
22	443	568	296	383	556	595	525	2,980	1,610	494	619	443
23	452	568	180	432	552	614	655	2,730	1,490	513	506	460
24	440	564	240	386	552	387	659	1,930	1,260	506	428	516
25	461	564	196	380	556	443	663	1,920	1,050	499	373	584
26	459	560	152	386	556	514	663	2,950	915	498	451	580
27	463	560	210	233	556	514	483	3,490	950	507	505	527
28	456	560	236	227	544	521	399	3,520	945	501	521	531
29	465	556	203	347	-	533	532	3,120	855	476	521	470
30	460	556	147	331	-	521	592	1,910	735	507	501	483
31	470	-	126	331	-	521	-	1,530	-	511	516	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13,804	470	424	445	27,380
November	16,792	606	374	560	33,310
December	6,038	339	97	195	11,980
Calendar year 1934	163,427	1,030	97	448	326,200
January	11,131	571	154	359	22,070
February	16,090	602	528	575	31,910
March	16,743	755	362	540	33,210
April	18,031	1,090	344	601	35,760
May	58,112	3,520	469	1,875	115,300
June	67,500	4,900	735	2,250	133,900
July	15,964	661	476	515	31,660
August	15,856	619	371	511	31,450
September	16,092	632	380	536	31,920
Water year 1934-35	272,153	4,900	97	746	539,800

Mokelumne River at Woodbridge, Calif.

Location.- Water-stage recorder, lat. 38°9'30", long. 121°18'10", in NE¼ sec. 34, T. 4 N., R. 6 E., three-eighths of a mile downstream from dam of Woodbridge Irrigation District at Woodbridge. Altitude, about 30 feet.

Drainage area.- 644 square miles.

Records available.- May 1924 to September 1935 (low-water records only for 1924 and 1925).

Extremes.- Maximum discharge during year, 4,640 second-feet June 8 (gage height, 21.54 feet); minimum, 25 second-feet Dec. 14.
1924-35: Maximum stage, 28.58 feet, former datum (about 30.6 feet on present datum), Mar. 26, 1928 (discharge not determined); minimum discharge, 0.9 second-foot Sept. 3, 1924.

Remarks.- Records good. Storage, power plants, and many diversions above station (see records for Woodbridge Canal and Mokelumne River at Lancha Plana).

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	337	360	475	161	333	523	476	477	1,370	399	177	246
2	274	424	203	139	533	466	539	462	1,370	343	168	172
3	260	490	134	296	558	478	596	404	1,490	298	206	216
4	254	497	138	365	566	485	719	419	1,830	270	253	351
5	259	262	139	547	570	535	670	412	2,350	200	104	338
6	271	369	139	440	568	558	608	405	2,900	236	168	327
7	270	541	179	201	572	630	580	425	3,760	243	264	369
8	263	482	164	381	576	672	851	368	4,350	166	296	340
9	269	482	153	455	576	630	385	390	3,820	214	318	171
10	268	474	162	457	568	556	756	426	3,590	217	300	209
11	274	473	124	400	560	339	287	936	3,130	215	192	341
12	272	471	87	387	578	502	262	1,190	3,000	213	84	365
13	294	491	83	389	582	558	396	1,700	3,260	218	172	318
14	298	478	68	193	584	564	380	1,950	3,140	222	285	371
15	289	530	34	336	584	564	409	2,190	2,260	230	309	320
16	286	512	49	392	574	560	489	2,260	1,650	222	277	197
17	296	508	50	425	548	505	596	2,130	1,160	214	228	300
18	300	522	314	404	542	314	598	1,880	1,360	213	168	368
19	300	641	286	455	537	481	598	1,600	1,460	208	123	389
20	300	559	262	416	539	548	553	1,860	1,410	203	230	395
21	305	545	485	195	539	566	542	2,380	1,340	202	324	360
22	303	533	337	332	537	560	389	2,510	1,320	198	330	332
23	299	478	309	396	535	574	488	2,550	1,230	203	299	187
24	291	478	166	394	535	542	615	2,360	1,080	211	240	262
25	291	493	286	381	536	338	467	1,650	837	204	178	330
26	300	495	162	380	533	466	533	1,790	664	204	114	373
27	302	501	184	381	535	480	567	2,410	568	199	193	349
28	297	506	227	180	540	484	360	2,810	597	237	272	323
29	331	506	227	293	-	489	303	3,110	566	204	266	337
30	341	505	207	319	-	491	547	2,910	500	181	252	254
31	333	-	142	341	-	480	-	1,790	-	231	236	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,027	341	254	291	17,900
November	14,626	641	262	488	29,010
December	5,975	485	34	193	11,850
Calendar year 1934	105,695	840	6	290	209,600
January	10,831	547	139	349	21,480
February	15,377	588	333	549	30,500
March	15,938	672	314	514	31,610
April	15,559	851	262	519	30,860
May	48,154	3,110	368	1,553	95,510
June	57,382	4,350	500	1,913	113,800
July	7,038	399	181	227	13,960
August	6,996	330	64	226	13,880
September	9,210	395	171	307	18,270
Water year 1934-35	210,113	4,350	34	592	428,600

Tiger Creek power-house conduit below Salt Springs Dam, Calif.

Location.- Water-stage recorder, lat. 38°30', long. 120°13', in SW¼ sec. 33, T. 8 N., R. 16 E., 1,000 feet below Salt Springs Dam and power house. Altitude, about 3,700 feet.

Records available.- June 1931 to September 1935.

Extremes.- Maximum mean daily discharge during year, 495 second-feet Aug. 29, 30, Sept. 6; no flow Jan. 6, 9-12.
1931-35: Maximum mean daily discharge, 548 second-feet July 29, 1931; no flow at times each year.

Remarks.- Records good except those for Nov. 12, 15-19, June 10, 11, Aug. 31, which are fair and were estimated from power-house records. Conduit conveys water of North Fork of Mokelumne River from Tailrace of Salt Springs power house to forebay of Tiger Creek power house, picking up flow of several small creeks en route. Gage-height record and results of some discharge measurements furnished by Pacific Gas & Electric 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	310	133	135	143	286	248	0.2	0.9	2.0	440	481	493
2	310	143	133	197	286	246	.2	.7	2.0	404	482	493
3	287	121	145	313	285	248	.7	.6	2.4	415	486	492
4	274	159	146	178	220	248	1.0	.6	2.2	415	488	493
5	265	262	155	101	97	248	.4	.7	1.1	415	488	493
6	268	139	203	0	44	248	.3	.7	1.0	429	488	495
7	136	142	373	2.0	24	249	.7	.7	1.0	439	491	493
8	271	143	436	18	66	248	10	.7	1.0	437	473	493
9	271	143	441	0	32	248	11	.6	1.0	435	488	492
10	271	144	441	0	11	251	1.2	.5	3.6	436	482	491
11	271	143	441	0	11	201	1.1	.5	2.4	439	482	492
12	274	145	440	0	59	192	1.0	.5	2.4	442	484	492
13	276	146	384	33	164	200	.7	.3	2.4	442	482	493
14	137	147	183	86	200	130	.6	.1	2.4	442	481	493
15	255	126	258	135	286	33	1.5	.1	2.1	444	481	493
16	324	131	362	185	341	33	1.3	.1	.5	444	481	493
17	360	128	348	201	149	33	1.1	.1	81	447	479	492
18	274	124	406	200	191	143	.9	.4	191	449	479	492
19	274	244	373	200	118	199	2.1	.8	189	453	481	492
20	274	256	352	199	82	125	4.8	.4	188	454	481	492
21	138	262	390	198	29	198	4.2	.4	226	454	465	492
22	276	313	412	200	29	198	2.0	.4	179	454	493	329
23	268	344	401	200	29	106	.8	.3	316	454	493	493
24	268	354	258	189	29	28	.7	2.0	361	461	492	492
25	268	367	264	168	210	148	.7	2.1	395	467	492	492
26	270	367	433	168	280	198	.6	2.1	407	464	493	492
27	280	366	423	178	250	199	.6	2.3	407	467	493	493
28	133	381	370	184	249	139	.6	2.5	408	470	493	493
29	283	381	306	185	-	163	1.8	2.5	416	472	495	493
30	282	323	149	185	-	54	1.0	2.3	435	474	495	492
31	274	-	132	220	-	.2	-	2.3	-	478	494	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,122	360	133	262	16,110
November	6,577	381	121	219	13,050
December	9,693	441	132	313	19,230
Calendar year 1934	81,836	486	0	224	162,300
January	4,266.0	313	0	138	8,460
February	4,057	341	11	145	8,050
March	5,202.2	251	.2	168	10,320
April	53.8	11	.2	1.79	107
May	29.2	2.5	.1	.94	58
June	4,228.5	435	.6	141	8,390
July	15,856	478	404	4[illegible].3	27,440
August	15,076	495	473	4[illegible]6	29,900
September	14,613	495	329	487	28,9[illegible]0
Water year 1934-35	85,753.7	495	0	235	170,100

Cold Creek near Mokelumne Peak, Calif.

Location.- Water-stage recorder, lat. 38°31', long. 120°13', in sec. 28, T. 8 N., R. 16 E., 1½ miles north of Salt Springs Dam and 6 miles southwest of Mokelumne Peak. Altitude, about 6,000 feet.

Drainage area.- 23 square miles.

Records available.- July 1927 to September 1935.

Extremes.- Maximum discharge during year, 822 second-feet May 25 (gage height, 5.15 feet); minimum, 0.1 second-foot Sept. 29.
1927-35: Maximum discharge, 2,330 second-feet Mar. 25, 1928 (gage height, 7.79 feet); practically no flow Aug. 17 to Oct. 7, 1931.

Remarks.- Records fair. Discharge estimated for several periods October to March, owing principally to ice effect. No storage or diversions. Gage-height record and results of some discharge measurements furnished by Pacific Gas & Electric 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	*0.2	6.5	*17				130	199	400	27	0.6	0.2
2	*.2	5.5	*17				114	186	445	42	.6	.2
3	*.2	3.9	*16				142	191	462	27	.5	.2
4	*.2	*40	*15				123	227	480	22	.5	.2
5	*.2	19	*14				100	310	445	19	.5	.2
6	*.2	10	*13				87	400	400	16	.5	.2
7	*.4	6.5	12				150	430	370	14	.4	.2
8	*.3	5	11				195	430	328	12	.4	.2
9	*.3	4.1	11				128	430	288	11	.4	.2
10	*.2	3.5	14				114	385	280	9	.3	.2
11	*.2	3.1	16				140	358	295	8	.3	.2
12	*.2	2.9	17				181	338	260	7	.2	.2
13	*.2	2.6	28				197	342	217	5.5	.2	.2
14	*.2	2.5	56				262	370	179	4.8	.2	.2
15	*.2	26	*32			*20	338	355	149	4.7	.2	.2
16	*.5	31	*24				206	322	143	4.1	.2	.2
17	.7	29	*18				166	292	143	3.6	.2	.2
18	.8	22	*17				173	328	139	3.1	.2	.2
19	.6	21	*16				253	385	136	2.7	.2	.2
20	*.5	24	*16				310	430	115	2.2	.2	.2
21	*.5	24	*15				300	498	102	2.0	.2	.2
22	.9	23	*15				255	480	89	1.6	.2	.2
23	3.1	52	*14				230	515	76	1.4	.2	.2
24	1.6	36	*14				230	490	64	1.4	.2	.2
25	1.0	24	*13				268	515	56	1.2	.2	.2
26	1.4	26	*12				305	490	52	1.0	.2	.2
27	1.3	21	*11				328	462	48	1.0	.3	.2
28	1.2	*19	*10			70	367	430	41	.8	.3	.2
29	1.0	17	*10			101	328	328	34	.8	.2	.2
30	1.0	*15	*10			125	243	255	28	.7	.2	.2
31	1.1	-	*10			136	-	270	-	.7	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	20.6	3.1	0.2	0.66	41
November	525.1	52	2.5	17.5	1,040
December	513	56	10	16.5	1,020
Calendar year 1934	12,209.1	494	.1	33.4	24,230
January	-	-	-	*20	1,230
February	-	-	-	*20	1,110
March	972	136	-	31.4	1,930
April	6,516	382	87	217	12,920
May	11,421	515	186	368	22,650
June	6,264	480	28	209	12,420
July	257.3	42	.7	8.30	510
August	9.2	.6	.2	.30	18
September	6.0	.2	.2	.20	12
Water year 1934-35	27,684.2	515	.2	75.8	54,900

*Estimated.

Bear River at Pardoe Camp, Calif.

Location.- Water-stage recorder, lat. 38°32', long. 120°15', in sec. 18, T. 8 N., R. 16 E., 2 miles below Bear River Reservoir of Pacific Gas & Electric Co. Altitude, about 5,650 feet.

Drainage area.- 32.5 square miles.

Records available.- July 1927 to September 1935.

Extremes.- Maximum discharge during year, 1,230 second-feet May 25 (gage height, 5.84 feet); minimum, 4.7 second-feet Oct. 1.
1927-35: Maximum discharge, 3,350 second-feet Mar. 25, 1928 (gage height, 9.75 feet); no flow Sept. 8-30, Oct. 1-4, 7-29, 1928.

Remarks.- Records fair. Stage-discharge relation affected by ice Dec. 31, Jan. 1, 8, 9, 16-31, Feb. 1, 15. About 6,000 acre-feet is stored each year at reservoir above station and usually released during late summer and early winter. Gage-height record and results of some discharge measurements furnished by Pacific Gas & Electric 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	4.8	39	41	17	*41	7.5	33	194	595	41	14	9
2	4.8	38	39	18	46	7.5	33	162	710	76	14	9
3	30	41	36	18	46	7	137	181	730	44	14	9
4	53	40	34	28	51	7.5	69	237	750	34	14	9
5	52	39	32	35	58	7	45	400	750	27	14	9
6	52	37	30	30	80	6.5	41	578	710	23	13	9
7	51	37	27	28	65	7	161	650	612	20	13	8.5
8	51	36	25	*28	57	7	136	690	525	20	13	8.5
9	48	35	23	*27	55	6.5	55	690	466	19	12	8
10	47	34	21	26	53	6.5	51	595	424	19	12	8
11	47	33	21	25	51	7.5	56	578	457	18	12	8
12	47	32	21	24	50	10	65	508	409	18	12	8
13	46	31	30	23	48	14	89	481	326	18	11	8
14	48	36	64	23	47	16	340	560	258	18	11	8
15	47	50	47	23	*45	13	560	525	205	18	11	8
16	47	47	42	*21	44	12	298	466	191	17	11	8
17	47	48	39	*21	45	11	200	397	195	17	11	8
18	47	46	37	*21	48	10	183	445	191	17	11	7.5
19	47	50	35	*23	52	10	273	578	184	16	11	7.5
20	47	47	34	*25	57	9.5	412	630	162	16	11	7
21	47	46	32	*30	58	10	439	750	144	16	10	7
22	46	46	31	*20	58	9	343	750	126	16	10	7
23	45	52	30	*20	57	9	364	790	110	16	10	7
24	44	48	28	*22	53	9	403	730	88	15	10	7
25	44	47	25	*25	46	9.5	367	790	76	15	9.5	7
26	43	47	23	*27	10	11	412	750	71	15	10	7
27	42	45	21	*29	8	13	442	710	67	15	9.5	7
28	41	44	19	*30	7.5	16	490	670	58	15	9.5	6.5
29	40	43	18	*32	-	21	595	508	49	14	9.5	6.5
30	39	42	18	*34	-	26	295	358	41	14	9	6.5
31	39	-	*17	*36	-	30	-	349	-	14	9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,335.6	53	4.8	43.1	2,650
November	1,258	52	31	41.9	2,500
December	940	64	17	30.3	1,860
Calendar year 1934	23,252.7	845	4.8	63.7	46,120
January	769	36	17	25.5	1,560
February	1,336.5	80	7.5	47.7	2,650
March	346.5	30	6.5	11.2	687
April	7,387	595	33	246	14,650
May	16,700	790	162	539	33,120
June	9,680	750	41	323	19,200
July	661	76	14	21.3	1,310
August	351.0	14	9	11.3	696
September	233.5	9	6.5	7.78	463
Water year 1934-35	41,018.1	790	4.8	112	81,350

*Estimated.

Middle Fork of Mokelumne River at West Point, Calif.

Location.- Water-stage recorder, lat. 38°23'15", long. 120°31'40", in sec. 10, T. 6 N., R. 13 E., 200 feet below highway bridge, 1 mile south of West Point, and 3½ miles above junction with South Fork. Altitude, about 2,500 feet.

Drainage area.- 67.2 square miles.

Records available.- October 1926 to September 1935; October 1911 to October 1926, staff gage about 1,200 feet upstream.

Average discharge.- 23 years (1912-35), 47.9 second-feet.

Extremes.- Maximum discharge during year, 960 second-feet Apr. 8 (gage height, 5.17 feet); minimum, 0.5 second-foot Oct. 6.
1911-35: Maximum discharge, 2,550 second-feet Jan. 23, 1914 (gage height, 10.0 feet, former site and datum); practically no flow Aug. 23 to Sept. 14, 1931, and no flow part of Sept. 9 and 10, 1934.

Remarks.- Records excellent except those estimated, Aug. 2-19. Several diversions above station.

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

0.4	0	1.4	32	2.4	180	3.4	419	4.4	705
.6	.4	1.6	50	2.6	222	3.6	473	4.6	765
.8	1.8	1.8	74	2.8	268	3.8	529	4.8	830
1.0	7.5	2.0	106	3.0	316	4.0	585	5.0	900
1.2	18	2.2	141	3.2	366	4.2	645	5.2	970

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	11	27	36	82	229	73	17	4.0	1.1
2	.6	4.0	6	9.5	26	37	84	203	69	19	3.9	1.2
3	.6	3.1	5.5	7.5	26	36	434	184	65	17	3.8	1.1
4	.6	3.1	5	28	31	42	528	170	62	15	3.7	1.0
5	.6	3.3	5	65	43	37	336	166	60	15	3.6	.8
6	.6	2.9	4.4	34	92	38	240	170	60	15	3.5	.7
7	.9	2.2	5	23	101	49	358	174	57	16	3.4	.8
8	1.5	2.5	4.4	45	82	48	709	172	53	16	3.3	.8
9	1.4	2.2	4.4	78	68	45	447	170	49	15	3.2	1.0
10	1.0	1.7	4.4	50	58	42	328	164	46	13	3.1	1.0
11	.9	1.8	4.4	35	49	48	270	156	44	12	3.0	.9
12	.7	2.2	4.4	26	45	65	236	150	40	11	2.9	.9
13	.6	2.0	4.7	22	43	77	218	139	38	11	2.8	.9
14	.6	2.0	22	29	40	79	229	134	36	11	2.7	1.0
15	.6	11	22	33	36	73	556	127	34	10	2.6	1.1
16	.9	11	14	30	33	61	512	120	32	11	2.5	1.6
17	3.3	10	12	31	31	54	392	114	30	9	2.4	1.6
18	4.4	17	10	33	30	51	316	108	28	8	2.3	1.5
19	2.5	26	8.5	24	31	50	287	104	26	7.5	2.2	1.4
20	1.6	18	7.5	24	35	47	280	103	25	7	2.0	1.0
21	1.8	10	6.5	23	36	58	266	104	24	8	1.7	1.0
22	3.3	7.5	6.5	22	36	51	243	109	23	8.5	1.5	.9
23	1.8	11	6	25	37	57	227	109	23	8	1.5	.7
24	1.7	14	5.5	35	36	57	218	108	22	7.5	1.7	.6
25	1.6	9	5.5	38	33	57	205	104	21	7.5	1.8	.6
26	1.6	7	5.5	37	32	60	197	103	20	7	1.6	.7
27	1.5	6.5	8.5	35	30	60	195	100	20	8	1.4	.7
28	1.5	6	13	33	29	60	207	92	20	6	1.1	.7
29	1.4	6	12	30	-	64	300	88	19	6.5	1.5	.9
30	1.2	5.5	13	28	-	71	270	90	18	6	1.7	.9
31	4.2	-	12	27	-	79	-	79	-	4.0	1.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	46.2	4.4	0.6	1.49	92
November	213.5	26	1.7	7.12	423
December	254.6	22	4.4	8.21	505
Calendar year 1934	4,504.2	219	0	12.3	8,940
January	971.0	78	7.5	31.3	1,930
February	1,196	101	26	42.7	2,370
March	1,688	79	35	54.5	3,350
April	9,170	709	82	306	18,190
May	4,143	229	79	134	8,220
June	1,137	73	18	37.9	2,260
July	332.5	19	4.0	10.7	659
August	77.5	4.0	1.1	2.50	154
September	29.1	1.6	.6	.97	58
Water year 1934-35	19,258.4	709	.6	52.8	38,210

South Fork of Mokelumne River near West Point, Calif.

Location.- Water-stage recorder, lat. 38°22', long. 120°33', in SW¼ sec. 16, T. 6 N., R. 13 E., 300 feet above Sawyer Bridge, 2 miles above junction with Middle Fork, and 2⅔ miles southwest of West Point. Altitude, about 2,000 feet.

Drainage area.- 73.8 square miles.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge during year, 1,690 second-feet Apr. 8 (gage height, 6.23 feet); minimum, 0.9 second-foot several days in October.
1933-35: Maximum discharge, that of Apr. 8, 1935; no flow Aug. 6, 7, and Aug. 12 to Sept. 26, 1934.

Remarks.- Records excellent except those for Aug. 5 to Sept. 30, which are fair. Small diversions above station.

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

Obstructed channel conditions Aug. 5 to Sept. 30

1.9	0	3.0	30	4.2	329	5.4	1,035
2.0	.1	3.2	53	4.4	414	5.6	1,185
2.2	.4	3.4	86	4.6	510	5.8	1,340
2.4	1.0	3.6	131	4.8	625	6.1	1,580
2.6	4.8	3.8	189	5.0	755		
2.8	14	4.0	255	5.2	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	3.5	8	8.5	15	46	47	114	277	72	23	9	*3.5
2	1.8	6.5	8	13	46	49	112	245	66	23	9	*3.5
3	.9	4.3	7.5	13	44	45	492	224	64	21	9.5	*3.8
4	1.0	4.0	6.5	39	52	56	644	208	59	20	9	*3.8
5	.9	4.8	6.5	104	68	50	475	205	53	21	*9	*3.8
6	.9	4.3	6.5	53	143	49	341	208	50	21	*9	*3.8
7	.9	3.8	6.5	37	159	115	524	208	48	20	*8.5	*3.8
8	1.0	3.5	6.5	78	124	88	1,170	202	49	20	*8	*3.8
9	1.5	3.5	6	149	101	72	664	192	49	20	*8	*3.8
10	1.5	3.5	6	79	86	66	485	183	48	18	*7.5	*3.9
11	1.2	3.5	6	53	72	72	396	171	43	18	*7	*3.9
12	1.1	3.2	5.5	39	65	84	337	165	41	17	*6.5	*3.9
13	1.1	3.2	6.5	33	62	103	306	153	40	15	*6.5	*3.9
14	1.1	3.5	33	51	58	112	310	148	40	15	*6	*3.9
15	1.1	15	33	69	50	105	673	137	39	15	*6	*4.0
16	1.4	15	22	50	46	90	658	129	37	15	*6	*4.0
17	4.8	14	18	58	44	79	521	124	35	13	*6	*4.0
18	6.5	28	15	68	41	73	423	117	34	14	*6	4.0
19	4.8	36	13	46	44	70	379	114	32	12	*5.5	*4.0
20	3.5	24	11	37	46	68	366	109	30	12	5	*3.9
21	3.2	15	11	33	49	94	345	107	30	12	4.8	*3.9
22	4.0	11	10	32	48	77	310	107	29	13	*4.8	*3.8
23	3.8	14	9.5	37	48	92	291	103	27	13	*4.5	*3.8
24	3.5	18	9	46	45	90	273	99	26	12	*4.5	*3.7
25	3.0	12	9	58	43	82	255	92	26	11	*4.3	*3.6
26	2.7	11	8.5	60	41	82	245	90	26	11	*4.3	*3.5
27	2.2	9	15	59	38	82	241	86	25	11	*4.3	*3.4
28	2.2	8	25	58	37	84	255	82	25	11	*4.3	*3.3
29	2.2	8	20	54	-	90	374	81	24	11	*4.0	*3.2
30	2.2	7.5	25	52	-	101	325	82	24	9.5	*3.8	*3.1
31	6	-	22	48	-	109	-	77	-	9	*3.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	75.5	6.5	0.9	2.44	150
November	305.1	36	3.2	10.2	605
December	395.5	33	5.5	12.8	784
Calendar year 1934	6,304.8	266	0	17.3	12,500
January	1,611	149	13	52.0	3,200
February	1,746	159	37	62.4	3,460
March	2,476	115	45	79.9	4,910
April	12,304	1,170	112	410	24,400
May	4,525	277	77	146	8,980
June	1,191	72	24	39.7	2,360
July	476.5	23	9	15.4	945
August	194.1	9.5	-	6.26	385
September	112.3	-	-	3.74	223
Water year 1934-35	25,412.0	1,170	.9	69.6	50,400

*Estimated.

Woodbridge Canal at Woodbridge, Calif.

Location.- Three water-stage recorders, lat. 38°09'10", long. 121°18', in SE¼ sec. 34, T. 4 N., R. 6 E., at Woodbridge, at point of diversion. Elevation of zero of gage is 32.18 feet above mean sea level.

Records available.- April 1926 to September 1935.

Extremes.- Maximum mean daily discharge during year, 308 second-feet June 21; no flow Dec. 22 to Apr. 8.
1926-35: Maximum mean daily discharge, that of June 21, 1935; no flow part of each year.

Remarks.- Records excellent except those estimated, Nov. 17-28, Apr. 9-12. Discharge computed from records of gate openings and effective head as shown by recorders. Canal diverts from reservoir on Mokelumne River in sec. 34, T. 4 N., R. 6 E., in Woodbridge. Water is used for irrigation in territory south and west of Woodbridge.

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	141	103	29				0	36	210	262	266	192
2	134	103	21				0	45	202	266	274	196
3	141	101	21				0	77	206	263	266	222
4	151	71	41				0	80	220	261	241	226
5	151	71	41				0	67	225	247	251	218
6	141	98	36				0	66	230	251	284	226
7	151	74	46				0	76	248	246	268	215
8	151	54	41				0	93	231	248	253	199
9	148	58	29				5	106	212	258	247	199
10	146	68	21				5	109	230	258	233	211
11	150	68	21				5	111	240	254	217	218
12	146	71	21				5	113	256	252	252	222
13	115	71	21				33	109	264	243	278	211
14	141	61	22				38	124	253	241	276	202
15	146	58	40				31	147	257	238	261	189
16	141	41	41				29	156	232	238	251	188
17	131	36	40				25	146	272	238	243	200
18	136	21	45				22	156	275	238	218	198
19	131	10	30				28	172	274	246	227	197
20	120	5	26				55	193	282	254	235	186
21	131	5	7				34	182	308	255	227	193
22	136	5	0				45	226	292	256	224	173
23	126	10	0				58	228	272	251	226	177
24	136	20	0				44	215	270	254	222	195
25	131	29	0				79	223	268	259	194	192
26	136	29	0				74	222	260	256	210	189
27	131	29	0				65	209	289	262	225	187
28	131	36	0				48	205	282	245	204	180
29	136	36	0				47	204	278	258	208	181
30	103	36	0				39	194	266	267	216	186
31	103	-	0				-	210	-	263	206	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,212	151	103	136	8,350
November	1,478	103	5	49.3	2,930
December	640	46	0	20.6	1,270
Calendar year 1934	46,945.1	267	0	129	93,110
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	814	79	0	27.1	1,610
May	4,500	228	36	145	8,930
June	7,604	308	202	253	15,080
July	7,828	267	238	253	15,530
August	7,403	284	194	239	14,680
September	5,968	226	173	199	11,840
Water year 1934-35	40,447	308	0	111	80,220

Note.- No flow during months left blank.

Sutter Creek at Sutter Creek, Calif.

Location.- Staff gage, lat. 38°24', long. 120°48', in sec. 7, T. 6 N., R. 11 E., three-eighths of a mile west of Sutter Creek. Altitude, about 1,100 feet.

Drainage area.- 53.2 square miles.

Records available.- February 1922 to September 1935.

Average discharge.- 11 years (1922-23, 1925-35), 28.3 second-feet.

Extremes.- Maximum discharge during year, 1,100 second-feet Apr. 8 (gage height, 4.9 feet); minimum, 0.6 second-foot Aug. 23-25, Sept. 3.
1922-35: Maximum discharge, about 3,100 second-feet Feb. 6, 1925 (gage height, 7.5 feet); practically no flow, except for town waste, during summer of 1924.

Remarks.- Records fair. Discharge estimated July 27. Stream regulated to some extent by small dam above town of Sutter Creek and by release of mine water. Also, small diversions 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	0.7	1.0	5.5	18	23	23	34	71	14	2.6	1.3	0.8
2	.8	.8	5	14	23	21	33	60	14	2.0	1.2	1.2
3	.7	1.9	4.1	10	23	23	392	53	14	2.1	1.3	.9
4	.7	1.5	3.6	18	28	37	475	51	13	2.1	1.1	1.0
5	.7	1.4	4.3	132	26	32	248	47	14	2.1	1.4	1.1
6	.8	1.0	4.8	83	28	32	148	42	9	3.4	1.2	1.1
7	.8	.9	3.8	32	39	156	392	38	e.5	2.2	1.4	1.1
8	.8	.8	3.8	217	56	136	710	33	e	2.7	1.0	.9
9	.7	.9	3.8	261	55	80	284	32	5	2.0	1.2	1.2
10	.8	.8	3.8	142	59	59	190	30	8	2.7	1.1	1.1
11	.7	1.5	3.4	53	55	50	168	26	8	2.4	1.2	.9
12	.7	.9	3.4	31	42	62	124	25	7.5	2.0	1.2	1.2
13	.8	.9	4.1	32	45	83	132	23	7	1.7	1.4	.8
14	1.1	.9	20	36	37	92	272	23	6.5	1.4	.8	1.0
15	.9	7.5	19	52	32	73	260	25	6	1.7	1.1	1.1
16	1.9	5	16	58	29	55	201	24	5.5	1.8	1.2	1.4
17	1.7	11	10	74	26	48	168	22	3.7	1.5	1.1	1.2
18	1.3	19	9.5	132	23	45	144	23	2.5	1.7	.9	1.1
19	1.2	32	7.5	98	22	45	112	20	3.4	1.5	1.2	.9
20	.9	18	7.5	52	22	55	100	19	3.5	1.5	1.5	.8
21	1.1	19	6	48	20	116	87	18	3.5	1.4	1.0	.9
22	.9	10	5.5	42	19	68	86	17	3.4	1.5	1.2	1.0
23	.9	7	5.5	40	21	163	77	16	3.1	1.7	1.0	1.4
24	.9	5.5	4.8	39	19	128	67	15	2.8	1.4	1.1	1.4
25	1.0	4.8	4.5	36	18	86	54	14	2.1	1.4	.7	1.0
26	1.2	4.0	4.8	36	15	59	50	13	2.0	1.4	1.2	.9
27	1.7	3.6	19	32	14	53	52	12	2.0	1.3	1.3	1.0
28	1.6	3.6	22	29	13	47	51	11	2.4	1.2	1.2	.8
29	1.4	4.3	17	27	-	43	96	14	1.9	1.4	1.1	.8
30	1.1	5	29	28	-	39	90	15	2.2	1.4	1.1	1.1
31	3.6	-	24	26	-	35	-	13	-	1.3	1.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34.1	3.6	0.7	1.10	68
November	174.5	32	.8	5.82	346
December	284.6	29	3.4	9.18	564
Calendar year 1934	4,218.7	570	.7	11.6	8,370
January	1,928	261	10	62.2	3,820
February	832	59	13	29.7	1,650
March	2,044	163	21	65.9	4,050
April	5,297	710	33	177	10,510
May	845	71	11	27.3	1,680
June	186.5	14	1.9	6.22	370
July	56.5	3.4	1.2	1.82	112
August	35.7	1.5	.7	1.15	71
September	31.0	1.4	.8	1.03	61
Water year 1934-35	11,748.9	710	.7	32.2	25,300

North Fork of Cosumnes River near El Dorado, Calif.

Location.- Water-stage recorder, lat. 38°36', long. 120°51', in NE¼ sec. 35, T. 9 N., R. 10 E., 1 mile north of Nashville, 2.7 miles above mouth, and 6 miles south of El Dorado. Altitude, about 910 feet.

Drainage area.- 202 square miles.

Records available.- October 1933 to September 1935; staff gage station 1½ miles upstream August 1911 to September 1933.

Average discharge.- 24 years, 183 second-feet.

Extremes.- Maximum discharge during year, 6,060 second-feet Apr. 8 (gage height, 8.73 feet); no flow Oct. 1-13.
1911-35: Maximum discharge, about 7,600 second-feet Mar. 25, 1928 (gage height, 15.2 feet at former site and datum); no flow part of 1924, 1926, 1931, 1933, 1934.

Remarks.- Records good. Irrigation diversions 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	19	25	51	95	131	350	795	266	45	8.5	2.1
2	0	21	27	41	99	141	365	687	270	46	8.5	2.1
3	0	17	23	39	101	128	1,300	615	278	60	8	2.0
4	0	20	20	59	111	160	1,850	571	274	46	7.5	1.9
5	0	23	20	310	146	152	1,690	566	274	42	7	1.7
6	0	20	18	163	274	138	1,270	576	270	38	7	1.6
7	0	15	18	114	395	453	1,650	604	268	36	7	1.7
8	0	12	17	350	360	346	3,800	610	234	33	7	1.8
9	0	10	16	337	302	278	1,970	610	215	32	6.5	1.8
10	0	9.5	15	250	270	222	1,340	593	192	31	6	1.8
11	0	8	16	155	222	219	1,060	571	179	29	5	1.7
12	0	8	15	116	196	222	912	532	170	28	4.7	1.7
13	0	7.5	16	95	189	234	828	485	157	26	4.3	1.7
14	1.0	7	36	126	203	250	860	470	143	24	3.7	1.6
15	1.6	66	85	141	173	282	1,690	450	132	22	3.5	1.6
16	2.3	65	65	152	155	254	1,850	425	120	21	3.5	1.7
17	3.5	42	51	176	141	234	1,490	400	112	16	3.5	1.7
18	4.4	80	45	274	136	222	1,200	380	105	19	3.5	1.8
19	7	126	36	211	136	215	1,060	370	98	17	3.5	1.7
20	10	109	31	138	146	207	1,020	375	91	16	3.2	1.6
21	10	58	29	119	160	310	990	375	86	16	2.8	1.5
22	11	39	27	105	160	262	899	395	80	16	2.6	1.5
23	13	40	26	99	160	250	828	395	74	15	2.6	1.5
24	13	63	23	97	157	242	795	395	70	14	2.5	1.7
25	11	48	22	97	146	215	735	370	64	14	2.3	1.7
26	9.5	35	22	99	136	211	717	365	60	13	2.1	1.6
27	8	30	36	97	131	215	693	355	55	12	2.0	1.7
28	7	27	68	95	123	222	705	337	53	12	1.9	1.5
29	6.5	26	63	93	-	238	1,160	319	51	11	1.9	1.5
30	6.5	23	63	93	-	276	990	324	48	10	2.0	1.6
31	11	-	69	95	-	314	-	286	-	10	2.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	136.3	13	0	4.40	270
November	1,074.0	126	7	35.8	2,130
December	1,044	85	15	33.7	2,070
Calendar year 1934	22,428.2	*1,600	0	61.4	44,520
January	4,387	350	39	142	8,700
February	5,023	395	95	179	9,960
March	7,245	453	128	234	14,370
April	36,067	3,800	350	1,202	71,540
May	14,601	795	286	471	28,960
June	4,479	278	48	149	8,880
July	770	60	10	24.8	1,530
August	136.2	8.5	1.9	4.39	270
September	51.1	2.1	1.5	1.70	101
Water year 1934-35	75,013.6	3,800	0	206	148,800

*Estimated.

Cosumnes River at Michigan Bar, Calif.

Location.- Water-stage recorder, lat. 38°30', long, 121°2'45", in SE¼ sec. 36, T. 8 N., R. 8 E., at highway bridge at Michigan Bar, 5½ miles southwest of Latrobe. North and Middle Forks unite 12 miles above station. Altitude, about 190 feet.

Drainage area.- 537 square miles.

Records available.- October 1907 to September 1935.

Average discharge.- 28 years, 436 second-feet.

Extremes.- Maximum discharge during year, 20,100 second-feet Apr. 8 (gage height, 10.43 feet); no flow Oct. 1-20.
1907-35: Maximum discharge, 23,800 second-feet Feb. 6, 1925 (gage height, 11.2 feet); no flow part of 1908, 1918, 1919, 1924-26, 1931, 1934.

Remarks.- Records excellent. Irrigation diversions above station.

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

1.7	0.7	2.8	95	4.0	640	6.4	4,910	9.0	13,900
1.8	2.0	3.0	136	4.4	1,010	6.8	6,090	9.5	16,040
2.0	e.5	3.2	197	4.8	1,510	7.2	7,330	10.0	18,240
2.2	20	3.4	280	5.2	2,170	7.6	8,610	10.4	20,080
2.4	38	3.6	380	5.6	2,950	8.0	10,000		
2.6	63	3.8	500	6.0	3,850	8.5	11,900		

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	33	50	133	235	320	820	1,760	563	93	22	3.0
2	0	39	55	105	235	365	860	1,480	563	92	22	2.8
3	0	39	53	93	240	315	2,960	1,320	570	117	19	2.8
4	0	32	45	636	258	365	4,500	1,200	577	101	17	3.0
5	0	32	43	1,350	345	410	4,100	1,170	570	90	17	3.0
6	0	39	42	535	488	340	3,060	1,190	556	83	16	2.8
7	0	31	39	365	560	2,730	3,650	1,240	528	78	15	2.5
8	0	25	37	1,460	640	1,660	11,300	1,250	476	75	15	2.5
9	0	20	35	1,240	696	1,110	5,640	1,270	446	74	14	2.2
10	0	18	35	860	747	792	3,730	1,240	404	66	14	2.5
11	0	16	34	507	563	656	2,840	1,180	365	63	12	2.5
12	0	15	34	370	500	619	2,300	1,120	346	60	11	2.5
13	0	14	37	295	482	628	2,060	1,030	325	56	10	2.5
14	0	14	211	1,020	549	633	2,040	990	300	53	10	3.0
15	0	125	227	712	482	680	3,610	960	271	50	9.5	3.2
16	0	171	171	830	416	640	4,500	900	248	49	8.5	2.5
17	0	101	138	704	375	605	3,610	850	231	45	7.5	2.2
18	0	136	113	880	350	570	2,840	810	216	42	7.5	2.0
19	0	240	93	900	345	549	2,460	783	201	38	7.5	2.0
20	0	231	83	535	355	521	2,330	783	191	36	7.5	2.0
21	9	138	75	416	380	850	2,260	783	178	35	7.5	2.0
22	14	92	70	360	380	758	2,040	830	162	34	6.5	1.9
23	14	81	64	325	380	792	1,840	830	149	33	6	1.9
24	14	97	60	300	375	774	1,740	840	141	31	5.5	1.7
25	16	103	56	280	350	633	1,580	792	131	30	4.5	1.7
26	14	78	55	276	325	598	1,510	783	122	28	4.5	1.7
27	12	68	136	266	305	584	1,460	756	115	27	4.0	1.6
28	11	62	295	256	295	577	1,470	720	109	26	3.5	1.5
29	9.5	58	212	244	-	591	2,210	672	107	24	3.5	1.5
30	10	53	152	240	-	656	2,330	680	101	23	2.8	1.4
31	12	-	157	235	-	738	-	626	-	23	2.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	135.5	16	0	4.37	269
November	2,201	240	14	73.4	4,370
December	2,906	295	34	93.7	5,760
Calendar year 1934	56,842.1	4,920	0	156	112,900
January	16,730	1,460	93	540	33,180
February	12,151	860	235	434	24,100
March	22,037	2,730	315	711	43,710
April	87,860	11,300	820	2,929	174,300
May	30,836	1,760	626	995	61,170
June	9,261	577	101	309	18,370
July	1,675	117	23	54.0	3,320
August	313.1	22	2.8	10.1	621
September	68.4	3.2	1.4	2.28	136
Water year 1934-35	186,176.0	11,300	0	510	369,300

Drew Creek near Lakeview, Oreg.

Location.- Staff gage, lat. 42°07', long. 120°36', in SE¼ sec. 4, T. 40 S., R. 18 E., at highway bridge half a mile below mouth of Willow Creek, 1 mile below Drew Creek Dam, and 13 miles southwest of Lakeview.

Drainage area.- 211 square miles.

Records available.- January 1909 to September 1921, October 1925 to September 1935 in reports of U. S. Geological Survey; January 1909 to September 1930 in reports of State engineer.

Average discharge.- 21 years, (1909-30), including diversion by North Drew Canal, 60.8 second-feet.

Extremes.- Maximum discharge during period, 62 second-feet July 20 (gage height, 1.27 feet; no flow at times.
1909-35: Maximum discharge (estimated), 3,000 second-feet Mar. 1, 2, 1910; no flow at times.

Remarks.- Records fair. Daily discharge determined by method of shifting control. No records Oct. 1 to Apr. 19, Apr. 21 to May 12. Considerable regulation caused by operation of Drew Creek Reservoir, 1 mile above station. Since March 1914 North Drew Canal of Goose Lake Valley Irrigation Co. has diverted water around station (see next page).

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									*45	55	*51	*27
2									*46	*55	51	28
3									*46	*55	*51	*28
4									47	*56	*51	*28
5									*47	*56	51	*28
6									*47	56	*51	22
7									47	*52	*50	0
8									*47	48	*49	0
9									*47	*44	49	0
10									47	*40	*51	0
11									*50	*36	*52	0
12									*54	32	54	0
13								9	*58	*32	*55	0
14								*10	61	*31	*56	0
15								*12	*60	31	57	0
16								14	*60	*38	*52	0
17								*22	59	*46	*48	0
18								30	*59	*54	*44	0
19								*30	*58	61	40	0
20							15	30	*57	62	*38	0
21								*35	57	*58	*35	0
22								*40	*56	55	*32	0
23								*45	*56	*55	29	0
24								50	55	*55	*26	0
25								*50	*55	*55	*26	0
26								*50	*55	55	26	0
27								50	*55	*54	*26	0
28								*48	55	*53	*26	0
29								*47	*55	52	*26	0
30								*46	*55	*52	26	0
31								44	-	*52	*27	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 13-31	662	50	9	34.8	1,310
June	1,596	61	45	53.2	3,170
July	1,536	62	31	49.5	3,050
August	1,306	57	26	42.1	2,590
September	161	28	0	5.4	319
The period					10,440

*Estimated.

Drew Creek near Lakeview, Oreg.

(Continued)

Monthly stage and contents, Drew Creek Reservoir near Lakeview, Oreg., water year 1934-35

Date	Gage height in feet	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	---	*408	---
Oct. 31	17.0	505	+97
Nov. 30	18.4	638	+133
Dec. 31	22.2	1,120	+482
Jan. 31	23.5	1,348	+228
Feb. 28	28.0	2,530	+1,182
Mar. 31	35.7	8,920	+6,390
Apr. 30	50.9	45,920	+37,000
May 31	52.1	50,320	+4,400
June 30	49.9	42,460	-7,860
July 31	47.2	33,720	-8,740
Aug. 31	45.0	27,400	-6,320
Sept. 30	44.1	25,060	-2,340
The year			+24,652

*Estimated.

Note.- Maximum contents for year, 50,720 acre-feet May 17-26.

Run-off, in acre-feet, of North Drew Canal near Lakeview, Oreg., 1935

June	3,890
July	3,480
August	2,210
September	1,170
The period	10,750

Cottonwood Creek near Lakeview, Oreg.

Location.- Water-stage recorder in lat. 42°14', long. 120°30', in SW¼ sec. 29, T. 38 S., R. 19 E., 200 yards below Cottonwood Reservoir and 10 miles northwest of Lakeview.

Drainage area.- 30 square miles.

Records available.- November 1908 to September 1919, October 1925 to September 1935 in reports of U. S. Geological Survey; November 1908 to September 1919, October 1924 to September 1930 in reports of State engineer.

Average discharge.- 21 years (1909-19, 1924-35), 20.5 second-feet.

Extremes.- Maximum discharge during year, 131 second-feet Apr. 16, 17 (gage height, 3.17 feet); probably less than 0.5 second-foot at times.
1908-19, 1924-35: Maximum discharge, 500 to 1,000 second-feet during period Apr. 28 to May 1, 1927, when natural mean flow estimated as 170 second-feet was augmented by water escaping from reservoir through break in outlet conduit above control gage; no flow at times.

Remarks.- Records fair. Discharge estimated Nov. 10-12, Dec. 9 to Mar. 27, May 5-7, Sept. 12. Considerable regulation since 1923 caused by operation of Cottonwood Reservoir, 200 yards above gage.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Dec. 1-8)

1.2	0	1.6	5.9	2.0	18	2.5	46	3.0	103		
1.4	1.6	1.8	11	2.3	31	2.7	65	3.2	136		

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	0.9	3.4	2.2				6	30	59	33	26	3.0
2	.9	3.6	2.2				9	30	54	24	29	3.4
3	.8	4.5	2.2				9	30	53	16	28	3.4
4	.8	4.8	2.2				9	30	53	13	29	3.2
5	.8	5.0	2.0				9	66	52	12	32	3.0
6	.6	4.3	2.0				9	66	52	12	30	2.8
7	.8	3.4	1.8				9	65	52	15	30	2.8
8	1.1	3.0	1.6				10	65	52	23	30	2.2
9	1.0	2.6					16	63	52	26	30	1.8
10	.9	2.3					28	72	47	21	28	1.6
11	.8	2.1					28	72	44	24	27	1.6
12	.6	1.9					31	66	45	17	26	1.5
13	.8	1.6					37	37	31	9	26	1.4
14	.8	1.6				0.5	47	41	30	7	25	1.5
15	.8	2.6					68	49	29	7	30	1.8
16	.8	2.8					119	50	28	21	28	2.0
17	.8	2.2					108	50	28	23	28	1.8
18	.9	1.8					61	48	37	28	28	1.6
19	.9	2.2					50	44	44	29	28	1.6
20	1.1	2.0	1.0				52	36	36	30	26	1.5
21	1.6	2.0					72	31	40	32	26	1.5
22	1.8	2.2					79	34	40	26	22	1.4
23	1.4	2.2					68	36	39	26	20	1.2
24	1.6	1.5					49	37	38	26	18	1.1
25	1.6	2.6					32	36	38	23	16	1.1
26	1.6	2.0					30	36	39	18	11	1.1
27	1.8	2.0					28	63	40	18	7	1.1
28	2.0	2.2				1.0	30	74	40	18	2.6	1.0
29	2.0	2.2				.9	30	73	38	17	2.4	1.0
30	2.2	2.2				.8	30	72	38	16	2.4	1.0
31	2.4	-				.6	-	70	-	16	2.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	36.9	2.4	0.6	1.19	73
November	78.8	5.0	1.5	2.63	156
December	39.2	2.2	-	1.26	78
Calendar year 1934	1,840.1	36	0	5.04	3,650
January	15.5	-	-	.5	31
February	14	-	-	.5	28
March	16.8	-	-	.54	33
April	1,163	119	6	38.8	2,310
May	1,568	74	30	50.6	3,110
June	1,267	59	28	42.2	2,510
July	626	33	7	20.2	1,240
August	694.0	32	2.4	22.4	1,380
September	55.0	3.4	1.0	1.83	109
Water year 1934-35	5,574.2	119	-	15.3	11,060

MAIN STREAM

Sacramento River at Antler, Calif.

Location.- Water-stage recorder, lat. 40°53', long. 122°23', in SE¼ sec. 13, T. 35 N., R. 5 W., a quarter of a mile below highway bridge at Antler. Gregory Creek enters 1,000 feet above gage and Pit River 14 miles below. Elevation of zero of gage is 934.4 feet above mean sea level.

Drainage area.-461 square miles.

Records available.- December 1930 to September 1935; November 1910 to December 1911, April 1919 to December 1930 at staff-gage station 1,200 feet upstream.

Average discharge.- 16 years (1919-35), 907 second-feet.

Extremes.- Maximum discharge during year, 8,360 second-feet Apr. 7 (gage height, 8.20 feet); minimum, 128 second-feet Oct. 3.
1910-11, 1919-35: Maximum discharge, 34,000 second-feet Mar. 26, 1928 (gage height, 19.4 feet, former site and datum); minimum, 95 second-feet Aug. 19, 28, 29, Sept. 3, 4, 1931.

Remarks.- Records excellent. No diversions.

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

1.2	105	2.4	525	3.6	1,320	5.6	3,780	8.0	7,960
1.4	155	2.6	630	3.8	1,500	6.0	4,410	8.3	8,560
1.6	215	2.8	745	4.0	1,690	6.4	5,080		
1.8	280	3.0	870	4.4	2,120	6.8	5,760		
2.0	350	3.2	1,010	4.8	2,620	7.2	6,480		
2.2	430	3.4	1,160	5.2	3,180	7.6	7,200		

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	132	656	555	658	1,740	1,960	1,790	2,620	769	294	176	150
2	132	406	510	586	1,740	1,790	2,060	2,300	733	290	176	150
3	130	530	475	550	1,790	1,640	4,250	2,060	703	280	173	148
4	132	575	462	914	1,790	1,500	4,740	2,010	668	280	170	142
5	135	646	444	1,200	2,010	1,520	4,090	2,060	646	280	170	138
6	135	452	426	1,030	2,240	1,410	3,330	2,240	619	290	173	138
7	148	362	414	2,610	2,690	1,360	5,590	2,240	597	287	170	138
8	161	315	402	2,360	3,110	1,280	6,300	2,120	570	276	167	135
9	150	280	394	1,590	2,560	1,200	4,330	2,180	550	273	164	138
10	145	262	390	1,280	2,060	1,130	3,400	2,360	525	266	161	138
11	142	248	386	1,130	1,740	1,100	2,900	2,010	495	256	158	140
12	142	242	390	1,010	1,590	1,110	2,620	1,790	475	245	155	142
13	140	236	430	1,160	1,500	1,170	2,560	1,590	466	230	152	140
14	140	788	530	1,080	1,410	1,280	2,830	1,540	490	230	152	150
15	140	3,480	485	940	1,280	1,280	6,120	1,540	462	221	150	188
16	145	1,410	510	926	1,170	1,210	5,420	1,540	444	218	150	176
17	176	1,590	540	919	1,090	1,160	4,170	1,500	426	209	155	164
18	167	2,460	485	912	1,070	1,100	3,560	1,360	406	200	155	155
19	164	2,370	462	816	1,070	1,030	3,400	1,280	390	197	152	155
20	170	1,280	457	721	1,180	1,010	3,400	1,320	370	194	155	152
21	400	940	462	668	1,240	968	3,180	1,360	358	197	150	150
22	346	1,120	457	630	1,210	982	2,690	1,410	346	212	150	148
23	233	1,540	439	614	1,170	1,020	2,360	1,410	340	209	148	148
24	203	1,320	426	691	1,090	975	2,120	1,320	332	206	145	148
25	194	1,040	414	919	1,020	1,280	2,060	1,220	326	200	145	145
26	188	870	430	1,160	961	1,740	2,120	1,170	318	194	148	145
27	182	763	422	1,410	1,140	1,640	2,240	1,070	315	191	158	142
28	176	674	430	1,500	1,590	1,540	2,360	982	308	185	158	140
29	173	624	545	1,460	-	1,340	4,010	947	308	185	155	140
30	179	602	818	1,690	-	1,790	3,260	884	298	182	155	140
31	766	-	769	1,740	-	1,840	-	818	-	179	152	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,966	766	130	192	11,830
November	28,081	3,480	236	936	55,700
December	14,759	818	386	476	29,270
Calendar year 1934	276,588	9,120	105	758	548,700
January	34,876	2,610	550	1,125	69,180
February	44,251	3,110	961	1,580	87,770
March	41,455	1,960	968	1,337	82,220
April	103,260	6,300	1,790	3,442	204,800
May	50,261	2,620	818	1,621	99,670
June	14,053	769	298	468	27,870
July	7,166	294	179	231	14,190
August	4,898	176	145	158	9,720
September	4,423	188	135	147	8,770
Water year 1934-35	353,429	6,300	130	968	701,000

Sacramento River at Kennett, Calif.

Location.- Water-stage recorder, lat. 40°44', long. 122°24', in SW¼ sec. 2, T. 33 N., R. 5 W., at highway bridge at Kennett. Elevation of zero of gage is 618.26 feet above mean sea level. Gage set to read 2.00 feet more than U. S. Weather Bureau staff gage at same location.

Drainage area.- 6,600 square miles (not including area of Goose Lake).

Records available.- November 1925 to September 1935.

Extremes.- Maximum discharge during year, 47,000 second-feet Apr. 7 (gage height, 15.65 feet); minimum, 2,290 second-feet Oct. 4.
1925-35: Maximum discharge, 94,900 second-feet Mar. 28, 1928 (gage height, 25.1 feet); minimum, that of Oct. 4, 1934.

Remarks.- Records excellent. Storage and many diversions above station in Pit River Basin.

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

0.3	2,290	2.0	4,210	5	9,900	10	24,000	17	53,600
.5	2,470	2.5	5,000	6	12,200	11	27,600	19	63,500
.7	2,660	3.0	5,900	7	14,800	12	31,400	21	73,650
1.0	2,970	3.5	6,840	8	17,600	13	35,500	23	83,950
1.5	3,540	4.0	7,920	9	20,700	15	44,200	25	94,350

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	2,520	4,210	3,800	5,180	8,020	15,100	11,200	14,000	5,900	3,670	2,970	2,660
2	2,470	3,300	3,670	4,670	8,220	13,500	11,500	13,000	5,900	3,540	2,970	2,810
3	2,380	3,540	3,540	4,210	8,220	11,700	19,200	12,500	5,720	3,540	2,970	2,810
4	2,340	3,930	3,540	6,400	8,630	11,000	26,900	11,500	5,720	3,540	2,970	2,810
5	2,380	3,930	3,420	8,840	9,050	9,900	29,100	11,600	5,540	3,540	2,970	2,760
6	2,520	3,420	3,420	7,030	9,680	10,300	24,400	11,700	5,360	3,670	2,920	2,760
7	2,660	3,080	3,300	14,000	11,000	11,700	32,500	11,700	5,360	3,540	2,920	2,760
8	2,660	2,970	3,300	15,600	14,000	10,600	42,400	11,500	5,360	3,540	2,920	2,710
9	2,560	2,920	3,300	10,800	14,300	9,680	33,000	11,200	5,360	3,540	2,970	2,760
10	2,560	2,920	3,300	9,050	12,000	8,630	27,200	11,200	5,180	3,420	2,970	2,810
11	2,560	2,920	3,300	7,820	11,000	8,220	22,000	10,800	5,000	3,420	2,970	2,860
12	2,560	2,860	3,300	6,840	10,300	7,820	19,400	9,900	4,830	3,420	2,970	2,810
13	2,560	2,810	3,420	8,220	9,900	7,820	17,600	9,470	4,670	3,420	2,920	2,760
14	2,520	3,080	3,670	8,020	9,900	7,820	17,000	9,470	4,670	3,300	2,920	2,810
15	2,520	9,050	3,540	7,420	8,220	8,220	23,000	9,470	4,670	3,300	2,920	2,920
16	2,520	5,900	3,540	8,220	7,620	8,020	26,200	9,470	4,670	3,300	2,860	2,920
17	2,760	6,270	3,800	10,100	7,050	8,020	21,700	9,260	4,510	3,300	2,810	2,860
18	2,610	10,500	3,670	9,470	6,840	7,820	19,400	8,840	4,360	3,300	2,810	2,810
19	2,520	13,000	3,540	7,820	6,840	7,420	18,200	8,420	4,210	3,300	2,920	2,760
20	2,520	7,030	3,540	6,650	7,220	7,220	17,600	8,220	4,070	3,190	2,920	2,760
21	2,920	5,180	3,540	5,900	7,220	7,220	17,000	7,820	3,930	3,190	2,860	2,810
22	3,300	5,180	3,420	5,180	7,220	7,420	15,600	7,620	3,800	3,190	2,810	2,860
23	2,860	7,620	3,420	5,000	7,220	8,020	14,500	7,620	3,930	3,190	2,760	2,920
24	2,710	7,220	3,420	5,360	7,220	8,020	13,800	7,420	3,930	3,190	2,760	2,810
25	2,660	5,900	3,300	6,080	7,420	9,050	13,500	7,220	3,800	3,190	2,760	2,810
26	2,660	5,000	3,420	6,650	7,030	12,700	12,700	7,420	3,800	3,190	2,760	2,810
27	2,610	4,510	3,420	7,220	7,820	11,700	12,500	7,030	3,800	3,080	2,810	2,760
28	2,510	4,210	3,670	7,620	13,200	11,000	12,700	6,650	3,800	2,970	2,810	2,760
29	2,610	3,930	5,340	7,420	-	10,800	15,100	6,460	3,670	3,080	2,860	2,760
30	2,660	3,800	9,470	7,620	-	11,000	15,400	6,270	3,670	3,080	2,860	2,760
31	3,420	-	6,650	8,020	-	10,800	-	6,080	-	3,080	2,920	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	81,720	3,420	2,340	2,636	162,100
November	150,190	13,000	2,810	5,006	297,900
December	118,980	9,470	3,300	3,838	236,000
Calendar year 1934	1,680,880	32,000	2,340	4,606	3,335,000
January	238,430	15,600	4,210	7,691	472,900
February	252,340	14,300	6,840	9,012	500,500
March	298,240	15,100	7,220	9,621	591,600
April	602,300	42,400	11,200	20,080	1,195,000
May	290,730	14,000	6,080	9,378	576,700
June	139,190	5,900	3,670	4,640	276,100
July	103,220	3,670	2,970	3,330	204,700
August	89,540	2,970	2,760	2,888	177,600
September	84,180	2,920	2,710	2,806	167,000
Water year 1934-35	2,449,060	42,400	2,340	6,710	4,858,000

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Sacramento River near Red Bluff, Calif.

Location.- Water-stage recorder, lat. 40°13'55", long. 122°10'50", in SE¼ sec. 34, T. 28 N., R. 3 W., at lower end of Iron Canyon, half a mile below Sevenmile Creek, and 4 miles northeast of Red Bluff. Altitude, about 250 feet.

Drainage area.- 9,300 square miles (not including Goose Lake Basin).

Records available.- January 1902 to September 1935. April 1895 to June 1902 at Jelleys Ferry, 12 miles above Red Bluff.

Average discharge.- 40 years, 11,270 second-feet.

Extremes.- Maximum discharge during year, 117,000 second-feet Apr. 8 (gage height, 21.27 feet); minimum, 2,480 second-feet Oct. 5.
1902-35: Maximum discharge, 278,000 second-feet Feb. 3, 1909 (gage height, 35.2 feet); minimum, 2,400 second-feet Aug. 13, 1931, and Sept. 9, 1934.

Remarks.- Records excellent. Storage and many diversions above station.

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

-0.1	2,400	4	12,160	10	38,200	20	105,900	32	236,500
.2	2,860	5	15,540	11	43,600	22	123,700	35	275,000
.5	3,350	6	19,400	12	49,300	24	143,100		
1.0	4,260	7	23,600	14	61,680	26	164,500		
2.0	6,470	8	28,100	16	75,100	28	187,500		
3	9,150	9	33,000	18	89,700	30	211,500		

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	2,620	7,510	5,300	8,590	10,600	40,400	14,100	21,100	7,510	4,070	3,180	2,940
2	2,620	4,560	5,080	6,980	10,900	28,600	14,500	21,500	7,240	3,980	3,180	2,940
3	2,550	5,640	4,870	6,220	10,900	20,200	19,800	17,000	6,980	3,880	3,180	2,860
4	2,550	5,860	4,660	23,200	11,200	18,200	34,000	15,500	6,980	3,880	3,180	2,860
5	2,460	5,300	4,560	25,800	11,500	15,500	42,500	15,200	6,720	3,880	3,180	2,860
6	2,550	4,660	4,460	14,800	12,200	15,200	36,100	15,200	6,470	3,880	3,100	2,860
7	2,780	4,070	4,460	17,500	16,300	24,000	54,200	15,500	6,470	3,980	3,020	2,860
8	2,860	3,790	4,360	34,600	24,500	19,000	98,200	14,800	6,470	3,880	3,020	2,860
9	2,860	3,610	4,260	30,500	21,900	16,600	57,900	14,800	6,340	3,880	3,020	2,860
10	2,860	3,610	4,160	26,700	18,200	14,100	43,100	14,800	6,220	3,790	3,020	2,860
11	2,780	3,610	4,160	17,800	15,500	12,500	34,600	14,100	5,980	3,700	3,020	2,940
12	2,780	3,520	4,160	13,100	14,500	11,800	28,600	13,500	5,860	3,700	3,020	2,940
13	2,700	3,520	4,280	19,700	13,500	11,200	25,400	12,500	5,640	3,700	3,020	2,860
14	2,700	3,790	4,980	38,200	13,800	11,200	24,000	12,200	5,520	3,700	3,020	2,940
15	2,700	15,600	5,190	21,100	12,200	11,500	33,400	12,200	5,520	3,610	3,020	3,020
16	2,780	10,900	5,300	19,800	10,900	11,200	49,900	12,200	5,410	3,520	3,020	3,100
17	2,940	10,300	6,470	21,500	10,000	10,900	36,100	12,200	5,300	3,520	2,940	3,020
18	3,100	18,700	5,410	19,000	9,430	10,600	30,000	11,200	5,190	3,520	2,940	3,020
19	2,940	32,500	4,980	14,800	9,150	10,300	26,700	10,900	4,980	3,520	2,940	2,940
20	2,860	13,100	4,870	11,500	9,150	9,720	24,900	10,600	4,760	3,440	2,940	2,940
21	3,100	8,870	4,760	10,000	9,430	10,300	24,900	10,300	4,660	3,440	2,940	2,940
22	4,070	7,510	4,660	9,870	9,150	10,000	22,800	9,720	4,460	3,440	2,940	2,940
23	3,610	12,200	4,560	8,320	9,150	13,500	20,700	9,720	4,460	3,440	2,860	3,020
24	3,350	12,200	4,460	8,050	8,870	12,800	19,000	9,720	4,460	3,440	2,860	3,020
25	3,260	9,150	4,360	8,870	9,150	11,500	17,800	9,150	4,280	3,440	2,860	2,940
26	3,180	7,510	4,460	9,430	9,150	15,200	17,000	9,150	4,160	3,350	2,860	2,940
27	3,100	6,720	7,510	10,000	10,600	15,900	16,300	9,150	4,260	3,350	2,860	2,860
28	3,100	6,220	6,980	10,600	37,400	14,500	16,300	8,590	4,260	3,260	2,860	2,860
29	3,100	5,750	6,470	10,600	-	14,100	18,600	8,050	4,160	3,180	2,940	2,860
30	3,100	5,410	15,200	10,600	-	14,100	23,600	8,320	4,070	3,180	2,940	2,860
31	5,150	-	11,800	10,600	-	14,100	-	7,780	-	3,180	2,940	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	93,130	5,150	2,480	3,004	184,700
November	243,690	32,500	3,520	8,123	483,400
December	171,170	15,200	4,160	5,522	339,500
Calendar year 1934	2,264,560	55,400	2,400	6,204	4,492,000
January	497,330	38,200	6,220	16,040	986,400
February	369,230	37,400	8,870	13,190	732,400
March	468,720	40,400	9,720	15,120	929,700
April	925,000	98,200	14,100	30,830	1,835,000
May	386,650	21,500	7,780	12,470	766,900
June	164,770	7,510	4,070	5,492	326,800
July	111,730	4,070	3,180	3,604	221,600
August	92,820	3,180	2,860	2,994	184,100
September	87,720	3,100	2,860	2,924	174,000
Water year 1934-35	3,611,960	98,200	2,480	9,898	7,164,000

Sacramento River at Butte City, Calif.

Location.- Water-stage recorder, lat. 39°27'35", long. 121°59'35", in NE¼ sec. 32 T. 19 N., R. 1 W., a quarter of a mile south of Butte City. Gage is set to datum of Corps of Engineers, U. S. Army.

Records available.- April 1921 to October 1935 (low-water records only). Gage-height record for high-water periods in years 1914-17, 1920-21, 1929-35, published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1935, 1,750 second-feet Aug. 27 (gage height, 68.19 feet).

1921-35: Minimum discharge, 1,050 second-feet July 15, 25, 26, 1931 (gage height, 67.49 feet).

Remarks.- Records good. Storage and many irrigation diversions above station.

Rating table, 1935 (gage height, in feet, and discharge, in second-feet)
(Table not applicable during October 1934)

68.0	1,520	68.7	2,380	69.4	3,440
68.1	1,630	68.8	2,520	69.5	3,610
68.2	1,750	68.9	2,660	69.6	3,780
68.3	1,870	69.0	2,810	69.7	3,950
68.4	1,990	69.1	2,960	69.8	4,120
68.5	2,120	69.2	3,120	69.9	4,300
68.6	2,250	69.3	3,280	70.0	4,480

Discharge, in second-feet, 1934-35

Day	Oct.								July	Aug.	Sept.	Oct.
1	2,430								3,440	2,060	1,870	2,740
2	2,430								3,280	2,060	1,870	2,810
3	2,430								3,280	2,060	1,930	2,810
4	2,430								3,200	2,060	1,870	2,880
5	2,290								3,120	2,060	1,870	2,960
6	2,290								3,120	2,060	1,870	3,040
7	2,290								3,120	2,060	1,870	3,040
8	2,500								3,120	1,990	1,870	3,120
9	2,580								3,120	1,990	1,930	3,120
10	2,660								2,960	1,990	1,930	3,040
11	2,660								2,960	1,990	1,930	2,960
12	2,580								2,880	1,990	2,060	3,040
13	2,580								2,810	1,990	2,120	3,280
14	2,580								2,740	1,990	2,120	3,520
15	2,580								2,740	1,930	2,250	3,780
16	2,580								2,660	1,930	2,450	4,210
17	2,660								2,590	1,930	2,520	4,120
18	2,800								2,590	1,930	2,590	3,950
19	2,960								2,520	1,930	2,740	3,780
20	2,960								2,450	1,870	2,740	3,700
21	2,880								2,450	1,930	2,660	3,700
22	2,960								2,380	1,930	2,660	3,780
23	3,680								2,380	1,930	2,740	3,780
24	3,680								2,380	1,870	2,810	3,780
25	3,440								2,380	1,870	2,810	3,780
26	3,280								2,320	1,810	2,740	3,780
27	3,200								2,250	1,750	2,740	3,780
28	3,120								2,250	1,750	2,660	3,780
29	3,120								2,120	1,810	2,740	3,700
30	3,040								2,120	1,810	2,740	3,700
31	3,200								2,120	1,810	-	3,780

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	66,870	3,680	2,290	2,802	172,300
1935					
July	83,850	3,440	2,120	2,705	166,300
August	60,140	2,060	1,750	1,940	119,300
September	69,700	2,810	1,870	2,323	138,200
October	107,240	4,210	2,740	3,459	212,700
The period					636,500

Sacramento River at Colusa, Calif.

Location.- Water-stage recorder, lat. 39°12'50", long. 121°59'55", at north end of Jimeno grant, just below highway bridge at Colusa, Colusa County. Gage is set to datum of Corps of Engineers, U. S. Army.

Records available.- April 1921 to October 1935 (low-water records only). Gage-height record for high-water periods in years 1920-35 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during summer 1935, 1,780 second-feet Aug. 30 (gage height, 35.38 feet).
1921-35: Minimum discharge, 820 second-feet July 25, 26, 1931 (gage height, 34.79 feet).

Remarks.- Records good. Storage and many irrigation diversions above station.

Discharge, in second-feet, 1934-35

Day	Oct.								July	Aug.	Sept.	Oct.
1	2,420								3,600	2,230	1,870	2,750
2	2,420								3,500	2,230	1,870	2,750
3	2,340								3,400	2,140	1,920	2,800
4	2,340								3,300	2,140	1,960	2,800
5	2,340								3,300	2,100	1,920	3,000
6	2,260								3,200	2,140	1,920	3,000
7	2,260								3,200	2,100	1,920	3,000
8	2,420								3,200	2,050	1,920	3,100
9	2,580								3,200	2,000	1,960	3,100
10	2,580								3,100	2,000	2,000	3,000
11	2,580								3,000	2,100	1,960	3,000
12	2,580								3,000	2,050	2,000	2,900
13	2,580								2,900	2,050	2,140	3,100
14	2,580								2,900	2,050	2,230	3,400
15	2,500								2,900	2,000	2,230	3,500
16	2,580								2,800	2,000	2,320	4,040
17	2,580								2,750	2,000	2,460	4,150
18	2,660								2,700	2,000	2,550	3,930
19	2,620								2,600	1,960	2,600	3,710
20	2,900								2,600	1,960	2,700	3,600
21	2,820								2,600	1,960	2,700	3,600
22	2,820								2,500	1,920	2,650	3,710
23	3,140								2,460	1,870	2,700	3,710
24	3,540								2,500	1,870	2,800	3,600
25	3,300								2,460	1,820	2,800	3,600
26	3,220								2,410	1,780	2,800	3,600
27	3,140								2,410	1,780	2,750	3,600
28	3,060								2,410	1,760	2,750	3,710
29	3,060								2,320	1,780	2,700	3,600
30	2,980								2,320	1,820	2,750	3,600
31	3,060								2,230	1,820	-	3,600

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	84,460	3,540	2,260	2,725	167,500
1935					
July	87,770	3,600	2,230	2,831	174,100
August	61,500	2,230	1,780	1,984	122,000
September	69,850	2,800	1,870	2,328	138,500
October	104,560	4,150	2,750	3,373	207,400
The period					642,000

Sacramento River below Wilkins Slough, Calif.

Location.- Water-stage recorder, lat. 39°35", long. 121°49'25", in Jimeno grant, Colusa County, 1,500 feet below Wilkins Slough and 6 miles southeast of Grimes. Gage is set to datum of Corps of Engineers, U. S. Army.

Records available.- August 1931 to October 1935 (low-water records only). Gage-height record for high-water periods in years 1931-35 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1935, 1,180 second-feet Aug. 29 (gage height, 18.17 feet).
1931-35: Minimum discharge, 100 second-feet Aug. 1, 1931 (gage height, 14.20 feet).

Remarks.- Records good except those for July 27 to Aug. 6, which are fair and were estimated on basis of records for stations at Colusa and Knights Landing. Storage and many irrigation diversions above station.

Discharge, in second-feet, 1934-35

Day	Oct.								July	Aug.	Sept.	Oct.
1	2,500								3,000	1,500	1,200	3,000
2	2,500								2,780	1,500	1,240	3,000
3	2,500								2,670	1,500	1,280	3,100
4	2,500								2,670	1,450	1,360	3,160
5	2,450								2,670	1,450	1,320	3,220
6	2,400								2,620	1,450	1,320	3,270
7	2,300								2,620	1,440	1,320	3,320
8	2,350								2,570	1,400	1,400	3,320
9	2,500								2,520	1,360	1,520	3,320
10	2,550								2,470	1,320	1,600	3,270
11	2,600								2,370	1,360	1,640	3,270
12	2,550								2,370	1,360	1,680	3,220
13	2,500								2,270	1,360	1,810	3,220
14	2,500								2,270	1,320	1,940	3,440
15	2,500								2,220	1,320	1,990	3,540
16	2,500								2,170	1,280	2,080	3,840
17	2,500								2,120	1,280	2,220	4,080
18	2,550								2,080	1,320	2,420	4,080
19	2,650								2,040	1,320	2,470	3,900
20	2,750								1,940	1,280	2,570	3,760
21	2,800								1,940	1,260	2,620	3,660
22	2,800								1,900	1,240	2,620	3,660
23	2,850								1,810	1,240	2,670	3,780
24	3,280								1,810	1,200	2,830	3,720
25	3,400								1,760	1,200	2,940	3,720
26	3,280								1,720	1,200	2,940	3,780
27	3,180								1,700	1,160	2,940	3,900
28	3,120								1,650	1,160	2,940	3,840
29	3,010								1,600	1,160	3,000	3,840
30	3,010								1,550	1,160	3,000	3,720
31	3,010								1,550	1,160	-	3,780

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	83,890	3,400	2,300	2,706	166,400
1935					
July	67,430	3,000	1,550	2,175	133,700
August	40,730	1,500	1,160	1,314	80,790
September	62,880	3,000	1,200	2,096	124,700
October	109,750	4,080	3,000	3,540	217,700
The period					556,900

Sacramento River at Knights Landing, Calif.

Location.- Water-stage recorder, lat. 38°48'10", long. 121°42'55", in NE¼ sec. 14, T. 11 N., R. 2 E., just above Southern Pacific Railroad bridge at Knights Landing. Gage is set to datum of Corps of Engineers, U. S. Army.

Records available.- April 1921 to October 1935 (low-water records only). Gage-height record for high-water periods in years 1926-35 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during summer 1935, 1,580 second-feet Aug. 10 (gage height, 11.91 feet); a lower gage height, 11.85 feet, was recorded Aug. 27 (discharge, 1,640 second-feet).
1921-35: Minimum discharge, 250 second-feet July 23, 1931 (gage height, 7.80 feet).

Remarks.- Records good. Storage on tributaries, many irrigation diversions, and considerable return water affect flow.

Discharge, in second-feet, 1934-35

Day	Oct.								July	Aug.	Sept.	Oct.
1	2,600								3,180	1,640	1,690	3,500
2	2,540								3,120	1,640	1,690	3,440
3	2,480								2,980	1,640	1,640	3,500
4	2,540								2,980	1,640	1,690	3,570
5	2,540								2,860	1,690	1,800	3,570
6	2,480								2,860	1,640	1,920	3,570
7	2,360								2,790	1,640	1,980	3,570
8	2,360								2,720	1,640	1,980	3,500
9	2,480								2,660	1,580	2,100	3,500
10	2,600								2,720	1,580	2,220	3,500
11	2,660								2,660	1,580	2,280	3,500
12	2,600								2,600	1,640	2,400	3,440
13	2,600								2,530	1,580	2,600	3,380
14	2,660								2,460	1,580	2,720	3,570
15	2,600								2,400	1,640	2,720	3,700
16	2,600								2,340	1,640	2,790	3,830
17	2,600								2,280	1,640	2,860	4,250
18	2,540								2,220	1,690	3,120	4,250
19	2,660								2,220	1,690	3,180	4,110
20	2,840								2,100	1,640	3,240	3,900
21	2,900								2,100	1,640	3,310	3,900
22	2,900								2,040	1,690	3,310	3,900
23	2,900								1,980	1,640	3,240	3,830
24	3,210								1,920	1,640	3,380	3,830
25	3,540								1,920	1,640	3,500	3,760
26	3,540								1,860	1,740	3,500	3,830
27	3,280								1,860	1,690	3,500	3,900
28	3,210								1,800	1,640	3,440	3,900
29	3,080								1,740	1,690	3,500	3,900
30	3,020								1,690	1,640	3,570	3,830
31	3,020								1,690	1,690	-	3,760

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	85,940	3,540	2,360	2,772	170,500
1935					
July	73,280	3,180	1,690	2,364	145,300
August	50,990	1,740	1,580	1,645	101,100
September	80,870	3,570	1,640	2,696	160,400
October	115,490	4,250	3,380	3,725	229,100
The period					635,900

Sacramento River at Verona, Calif.

Location.- Water-stage recorder, lat. 38°46'50", long. 121°36'15", in SE¼ sec. 23, T. 11 N., R. 3 E., three-quarters of a mile southeast of Verona and 1 mile below Feather River. Gage is set to datum of Corps of Engineers, U. S. Army.

Records available.- May 1926 to September 1935 (low-water records only, 1926-29).

Extremes.- Maximum discharge during year, 55,800 second-feet Apr. 10 (gage height, 35.75 feet); a stage of 35.85 feet occurred Apr. 9, with discharge of 54,900 second-feet; minimum, 2,760 second-feet Sept. 3 (gage height, 9.78 feet).
1926-35: Maximum discharge recorded, 57,400 second-feet Dec. 17, 1929 (gage height, 34.79 feet); minimum, 281 second-feet July 24, 1931 (gage height, 6.93 feet).

Remarks.- Records good. Storage, many diversions, and considerable return water affect flow.

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	3,980	4,480	10,300	15,100	18,600	25,900	28,000	49,600	24,300	6,040	3,110	3,110
2	3,860	4,880	9,690	16,400	18,600	37,400	29,100	49,600	23,600	5,890	3,020	2,930
3	3,860	6,670	9,310	15,100	18,600	41,400	30,200	46,900	23,200	5,590	3,020	2,760
4	3,860	6,990	8,930	13,800	19,000	45,000	33,000	47,900	22,700	5,300	3,110	2,840
5	3,860	6,990	8,740	22,300	19,400	47,200	39,000	46,500	22,700	5,160	3,110	3,210
6	3,740	7,670	8,740	33,900	19,900	46,500	45,500	45,000	22,500	5,020	2,930	3,410
7	3,740	7,500	8,560	36,500	21,600	46,500	49,600	44,100	22,500	4,740	2,930	3,410
8	3,740	6,990	8,020	37,600	24,700	48,900	52,000	44,100	22,500	4,740	3,020	3,520
9	3,740	6,510	8,020	40,200	28,600	49,600	54,900	44,300	21,900	4,610	3,020	3,520
10	3,740	6,040	7,500	45,000	31,400	48,600	55,600	44,500	19,700	4,610	3,020	3,520
11	3,560	5,890	7,160	47,900	32,100	46,900	55,600	44,500	18,100	4,480	3,020	3,630
12	3,860	5,590	7,330	47,900	31,600	43,800	55,100	44,100	17,700	4,480	3,020	3,740
13	3,860	5,440	7,500	46,700	30,000	40,500	54,400	43,100	17,200	4,350	2,930	3,980
14	3,860	5,440	7,670	44,300	28,400	36,900	53,400	41,400	15,900	4,220	2,930	4,220
15	3,860	5,740	9,500	43,600	27,000	34,200	52,000	39,500	14,400	4,220	3,110	4,100
16	3,740	7,330	13,000	44,300	25,400	32,100	52,700	37,800	13,200	3,980	3,110	4,100
17	3,740	11,900	12,600	46,700	23,600	30,500	53,400	36,200	12,100	3,860	3,110	4,220
18	3,980	14,000	11,700	47,200	21,400	28,600	53,700	34,200	11,500	3,860	3,110	4,610
19	4,100	14,600	12,100	46,000	19,400	26,800	53,400	32,100	10,900	3,740	3,110	4,740
20	3,980	19,700	11,700	43,800	18,600	25,200	52,700	30,700	10,700	3,520	3,020	4,880
21	3,980	23,800	10,700	40,500	18,100	23,800	52,000	29,800	10,100	3,520	3,020	5,020
22	4,100	22,700	10,100	36,000	18,100	23,400	51,700	29,600	9,690	3,520	3,110	5,020
23	4,220	19,000	9,690	31,600	18,100	23,000	51,700	29,800	9,120	3,310	3,110	5,020
24	4,610	16,100	9,310	24,700	18,300	23,800	51,300	30,200	8,380	3,210	3,020	5,020
25	4,740	16,600	8,740	24,700	18,100	25,000	50,500	30,200	7,840	3,210	3,020	5,300
26	4,740	16,800	8,560	21,900	17,900	25,200	49,800	30,000	7,330	3,210	2,930	5,590
27	4,610	15,700	8,560	19,400	17,200	24,300	49,300	30,200	6,830	3,110	2,840	5,440
28	4,480	14,000	10,500	18,600	17,000	24,700	48,600	30,200	6,510	3,110	3,020	5,440
29	4,480	12,600	11,900	18,300	-	26,100	48,400	29,600	6,350	3,110	3,110	5,590
30	4,350	11,300	12,100	18,600	-	26,800	48,600	28,400	6,190	3,020	3,110	5,590
31	4,350	-	12,800	18,800	-	27,300	-	26,600	-	3,020	3,110	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	125,620	4,740	3,740	4,052	249,200
November	328,950	23,800	4,480	10,960	652,500
December	301,030	13,000	7,160	9,711	597,100
Calendar year 1934	3,618,490	47,700	1,240	9,914	7,185,000
January	1,007,400	47,900	13,800	32,500	1,998,000
February	620,900	32,100	17,000	22,180	1,232,000
March	1,055,900	49,600	23,000	34,060	2,094,000
April	1,455,200	55,600	28,000	48,510	2,886,000
May	1,172,700	49,600	26,600	37,830	2,326,000
June	445,640	24,300	6,190	14,850	883,900
July	127,760	6,040	3,020	4,121	253,400
August	94,160	3,110	2,840	3,037	186,800
September	127,480	5,590	2,760	4,249	252,900
Water year 1934-35	6,862,740	55,600	2,760	18,800	13,610,000

Pit River near Canby, Calif.

Location.- Water-stage recorder, lat. 41°24', long. 120°55', in SW¼ sec. 10, T. 41 N., R. 9 E., at lower end of Warm Spring Valley, about 4 miles southwest of Canby. Altitude, about 4,300 feet.

Drainage area.- 1,500 square miles.

Records available.- January 1904 to December 1905, May 1929 to September 1935 (incomplete until 1931-32).

Extremes.- Maximum discharge during year, 2,040 second-feet Apr. 9 (gage height, 5.66 feet); minimum, 0.1 second-foot Aug. 18-21.
1904-5, 1929-35: Maximum discharge recorded, 14,000 second-feet Mar. 8, 1904 (gage height, 14.0 feet, old datum); minimum, 0.1 second-foot Apr. 29, Aug. 5, Sept. 18, 1934, Aug. 18-21, 1935.

Remarks.- Records good except those estimated for the following periods, which are fair: Dec. 2-11, Jan. 1-3, 15-19 (stage-discharge relation affected by ice). Oct. 1-3 no record. Storage and many irrigation diversions 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	0.4	0.2	32	56	98	204	316	341	270	60	15	16
2	.4	1.0	32	56	108	212	290	392	315	75	12	16
3	.4	1.4	32	56	124	246	299	454	361	111	11	17
4	.4	2.0	37	56	165	261	303	490	400	101	10	19
5	.3	2.4	35	60	201	282	344	508	391	85	11	20
6	.3	1.7	34	64	232	228	334	515	357	92	10	16
7	.4	1.2	32	64	308	190	465	515	353	95	9	15
8	.3	1.2	32	69	513	169	1,140	454	374	92	8	15
9	.3	1.2	32	80	572	145	1,800	408	340	101	6	14
10	.2	1.4	34	90	466	135	1,680	299	336	104	4.6	13
11	.2	1.7	35	88	372	130	1,210	295	340	95	3.9	11
12	.2	3.2	39	80	308	141	970	318	357	82	2.5	10
13	.2	4.5	42	78	240	165	868	299	336	95	1.4	8.5
14	.3	6	58	78	228	236	805	318	306	80	1.0	7.5
15	.3	10	58	76	186	269	756	269	282	72	.6	6
16	.3	34	54	58	152	273	714	277	266	53	.2	5
17	.3	20	62	39	132	236	707	236	231	42	.2	4.6
18	.2	17	62	28	130	204	714	248	282	37	.1	4.3
19	.2	25	39	42	130	186	680	252	266	34	.1	4.3
20	.3	21	71	62	145	176	646	273	247	38	.1	4.3
21	.3	19	67	56	204	172	612	336	177	30	.1	4.3
22	.2	19	64	52	261	186	619	290	170	25	3.5	3.9
23	.2	21	71	54	290	194	619	204	131	21	7.5	3.9
24	.2	21	78	56	299	201	592	186	152	19	4.3	3.9
25	.2	21	83	54	265	273	515	152	128	17	4.6	3.6
26	.2	21	78	56	216	344	425	113	85	17	5.5	3.6
27	.2	24	71	62	179	382	376	130	60	17	5	3.6
28	.2	25	60	67	190	392	322	154	53	18	5	3.6
29	.2	27	62	69	-	358	304	261	53	16	7.5	3.6
30	.2	26	60	78	-	344	313	240	47	17	11	3.2
31	.2	-	56	90	-	334	-	250	-	17	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8.2	0.4	0.2	0.26	16
November	392.1	34	.2	12.7	758
December	1,602	83	32	51.7	3,180
Calendar year 1934	7,196.4	83	.1	19.7	14,280
January	1,974	90	28	63.7	3,920
February	6,734	572	98	240	13,360
March	7,270	392	130	235	14,420
April	19,738	1,800	290	658	39,150
May	9,457	515	113	305	18,760
June	7,466	400	47	249	14,810
July	1,760	111	17	56.8	3,490
August	176.7	16	.1	5.70	350
September	263.7	20	3.2	8.79	523
Water year 1934-35	56,831.7	1,800	.1	156	112,700

Pit River at Fall River Mills, Calif.

Location.- Water-stage recorder, lat. 41°, long. 121°26', in NE¼ sec. 6, T. 36 N., R. 5 E., 0.8 mile (revised) below Fall River and town of Fall River Mills. Altitude, about 3,235 feet.

Records available.- December 1922 to September 1935; March 1921 to December 1922, staff gage 0.7 mile upstream.

Average discharge.- 12 years (1923-35), 301 second-feet.

Extremes.- Maximum discharge during year, 8,420 second-feet Apr. 9 (gage height, 6.85 feet); minimum, 35 second-feet Nov. 8-14.
1921-35: Maximum discharge, 10,800 second-feet Mar. 28, 1928 (gage height, 7.89 feet); minimum, 12 second-feet Aug. 5, 1926.

Remarks.- Records good. Discharge estimated July 26, 27. Entire flow of Fall River is diverted above station; many small storage reservoirs and irrigation diversions; return water from McArthur, Knoch, and other diversions. Gage-height record and results of discharge measurements furnished by Mount Shasta Power Corporation.

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

-0.1	9	1.0	155	2.2	770	3.4	2,050	5.5	5,680
0	16	1.2	215	2.4	930	3.6	2,330	6.0	6,680
.2	32	1.4	290	2.6	1,120	3.8	2,630	6.5	7,760
.4	52	1.6	385	2.8	1,330	4.0	2,950	7.0	8,860
.6	78	1.8	500	3.0	1,550	4.5	3,800		
.8	110	2.0	625	3.2	1,790	5.0	4,700		

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	81	64	43	92	229	874	1,670	1,190	312	98	81	77
2	80	64	44	98	476	1,150	1,730	1,230	402	93	81	77
3	98	64	44	84	599	1,070	1,920	1,220	350	92	78	75
4	87	64	44	88	695	890	2,950	1,160	370	92	77	70
5	77	60	44	130	890	810	4,160	1,080	290	93	81	74
6	84	56	47	254	1,080	770	4,070	1,040	278	95	81	80
7	86	43	52	262	1,860	786	4,160	966	470	92	81	68
8	93	36	65	290	2,480	748	7,760	930	458	102	80	64
9	95	35	67	232	2,560	674	8,200	898	396	107	78	71
10	93	35	64	203	2,260	646	6,280	882	370	102	78	77
11	90	35	63	161	1,860	573	4,880	826	355	96	78	72
12	87	35	59	152	1,380	542	3,980	688	370	92	75	71
13	87	35	59	150	1,090	548	3,200	632	360	86	72	71
14	90	35	68	148	834	573	2,790	646	317	95	70	72
15	90	44	100	132	667	702	2,560	606	312	126	67	78
16	88	43	114	148	580	866	2,560	536	290	108	58	82
17	68	44	140	130	566	850	2,560	560	258	100	64	82
18	56	54	122	103	592	770	2,400	429	232	107	70	82
19	54	81	110	93	592	710	2,120	446	197	107	70	81
20	54	75	107	93	618	606	1,920	452	176	110	81	88
21	60	51	103	118	695	560	1,790	355	179	103	75	84
22	64	44	100	116	770	542	1,730	322	155	103	67	62
23	62	51	93	110	914	710	1,670	290	185	90	64	62
24	59	64	95	112	975	898	1,610	385	200	88	62	67
25	56	54	96	116	850	1,150	1,470	335	155	93	64	68
26	54	45	96	120	755	1,510	1,340	286	179	90	71	70
27	54	43	102	130	674	2,400	1,210	243	138	87	78	72
28	56	43	93	155	710	1,980	1,060	176	112	84	81	72
29	57	43	110	191	-	1,510	1,010	122	105	86	81	51
30	58	43	124	203	-	1,460	1,060	209	102	78	78	65
31	60	-	105	209	-	1,550	-	270	-	80	77	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,276	96	54	73.4	4,510
November	1,483	81	35	49.4	2,940
December	2,573	140	43	83.0	5,100
Calendar year 1934	37,086	322	35	102	73,500
January	4,623	290	84	149	9,170
February	28,251	2,560	229	1,009	56,040
March	29,428	2,400	542	949	58,370
April	85,820	8,200	1,010	2,861	170,200
May	19,410	1,230	122	626	38,500
June	8,073	470	102	269	16,010
July	2,975	126	78	96.0	5,900
August	2,299	81	58	74.2	4,560
September	2,185	88	51	72.8	4,330
Water year 1934-35	189,396	8,200	35	519	375,600

Pit River below Pit No. 4 Dam, Calif.

Location.- Water-stage recorder, lat. 40°59', long. 121°47', in SW¼ sec. 17, T. 36 N., R. 2 E., 1 mile below Pit No. 4 Dam and 3 miles below Screwdriver Creek and Pit No. 3 power house. Altitude, about 2,345 feet.

Drainage area.- 4,860 square miles.

Records available.- July 1927 to September 1935.

Extremes.- Maximum discharge during year, 16,400 second-feet Apr. 8 (gage height, 14.7 feet); minimum, 1,320 second-feet Oct. 4.
1927-35: Maximum discharge, that of Apr. 8, 1935; minimum, 715 second-feet Mar. 21, 1928, caused by regulation.

Remarks.- Records excellent. Storage, power plants, and many diversions above station; daily fluctuations normally smoothed out by automatic regulator at Pit No. 4 Dam. Gage-height record and results of discharge measurements furnished by Mount Shasta Power Corporation.

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

6.6	1,260	7.8	2,600	9.0	4,440	11.4	9,120	13.8	14,360
6.8	1,460	8.0	2,860	9.4	5,150	11.8	9,960	14.2	15,240
7.0	1,650	8.2	3,150	9.8	5,880	12.2	10,840	14.7	16,400
7.2	1,870	8.4	3,460	10.2	6,660	12.6	11,720		
7.4	2,110	8.6	3,780	10.6	7,460	13.0	12,600		
7.6	2,350	8.8	4,100	11.0	8,280	13.4	13,480		

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	1,550	1,700	1,650	1,760	1,820	3,460	3,860	4,180	2,410	1,870	1,700	1,650
2	1,460	1,700	1,650	1,650	1,760	3,300	3,660	4,180	2,470	1,820	1,700	1,650
3	1,370	1,650	1,650	1,650	2,110	3,300	4,610	4,020	2,410	1,820	1,760	1,650
4	1,370	1,650	1,650	1,760	2,350	3,300	5,150	3,780	2,410	1,870	1,760	1,650
5	1,500	1,650	1,650	1,870	2,470	2,930	7,460	3,780	2,350	1,930	1,650	1,650
6	1,600	1,650	1,650	1,870	2,730	2,660	7,460	3,780	2,350	1,870	1,600	1,600
7	1,600	1,600	1,650	2,230	3,080	2,730	7,060	3,780	2,350	1,870	1,650	1,600
8	1,600	1,600	1,650	2,230	3,940	3,080	11,300	3,700	2,470	1,870	1,650	1,650
9	1,550	1,600	1,600	1,990	4,360	2,660	11,300	3,700	2,470	1,820	1,700	1,700
10	1,550	1,650	1,650	1,990	3,780	2,540	9,750	3,700	2,350	1,870	1,700	1,760
11	1,600	1,650	1,700	1,870	4,180	2,470	7,860	3,620	2,290	1,870	1,700	1,700
12	1,600	1,650	1,700	1,820	3,780	2,410	6,660	3,300	2,230	1,870	1,700	1,650
13	1,550	1,550	1,760	1,820	3,700	2,290	6,070	3,460	2,170	1,870	1,700	1,700
14	1,550	1,600	1,820	1,820	2,930	2,350	5,690	3,620	2,170	1,820	1,700	1,650
15	1,550	1,700	1,820	1,990	2,540	2,470	6,260	3,620	2,290	1,820	1,700	1,650
16	1,650	1,650	1,820	1,870	2,290	2,660	5,880	3,620	2,290	1,820	1,650	1,650
17	1,650	1,700	1,760	1,820	2,230	2,800	5,690	3,300	2,230	1,870	1,650	1,650
18	1,550	1,930	1,760	1,820	2,290	2,730	5,510	3,300	2,170	1,870	1,700	1,600
19	1,500	2,230	1,820	1,820	2,410	2,600	5,330	3,220	2,110	1,820	1,700	1,600
20	1,500	2,110	1,870	1,820	2,540	2,470	5,150	3,000	1,930	1,820	1,700	1,650
21	1,650	1,700	1,820	1,700	2,470	2,600	4,970	2,660	1,870	1,820	1,650	1,650
22	1,700	1,600	1,820	1,650	2,600	2,660	4,790	2,600	1,930	1,760	1,600	1,700
23	1,650	1,700	1,820	1,650	2,470	2,600	4,790	2,600	2,050	1,820	1,650	1,650
24	1,600	1,760	1,760	1,760	3,080	2,730	4,790	2,600	2,050	1,820	1,650	1,650
25	1,600	1,760	1,700	1,760	3,220	3,150	4,610	2,660	1,990	1,820	1,600	1,650
26	1,600	1,700	1,700	1,700	2,660	3,540	4,100	2,860	1,990	1,760	1,650	1,650
27	1,600	1,700	1,760	1,760	2,540	3,620	4,020	2,660	2,050	1,700	1,600	1,650
28	1,550	1,600	1,870	1,820	3,150	3,620	3,940	2,470	1,990	1,700	1,650	1,650
29	1,600	1,650	2,050	1,820	-	3,380	4,440	2,410	1,870	1,700	1,650	1,650
30	1,650	1,650	1,760	1,820	-	3,460	4,180	2,350	1,870	1,760	1,700	1,650
31	1,650	-	1,760	1,870	-	3,380	-	2,350	-	1,700	1,700	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	48,700	1,700	1,370	1,571	96,600
November	51,040	2,230	1,550	1,701	101,200
December	54,100	2,050	1,600	1,745	107,300
Calendar year 1934	618,300	2,540	1,370	1,694	1,227,000
January	56,780	2,230	1,650	1,832	112,600
February	79,480	4,360	1,760	2,839	157,600
March	89,950	3,620	2,290	2,902	178,400
April	176,540	11,300	3,860	5,885	350,200
May	100,880	4,180	2,350	3,254	200,100
June	65,580	2,470	1,870	2,186	130,100
July	56,420	1,930	1,700	1,820	111,900
August	51,870	1,760	1,600	1,673	102,900
September	49,610	1,760	1,600	1,654	98,400
Water year 1934-35	880,950	11,300	1,370	2,414	1,747,000

Pit River at Big Bend, Calif.

Location.- Water-stage recorder, lat. 41°01', long. 121°55', in sec. 31, T. 37 N., R. 1 E., a quarter of a mile above Big Bend. Nelson Creek enters half a mile above and Kosk Creek 1 mile below station. Altitude, about 1,700 feet.

Drainage area.- 4,920 square miles (not including Goose Lake Basin).

Records available.- September 1910 to September 1935.

Average discharge.- 24 years (1911-35), 2,776 second-feet.

Extremes.- Maximum discharge during year, 16,100 second-feet Apr. 8 (gage height, 13.96 feet); minimum, 1,360 second-feet Oct. 4.
1910-35: Maximum discharge, that of Apr. 8, 1935; minimum, 664 second-feet July 9, 10, 1925 (regulated); minimum mean daily discharge, 692 second-feet July 9, 1925, also regulated.

Remarks.- Records excellent. Storage, power plants, and many diversions above station; daily fluctuations normally smoothed out by automatic regulator at Pit No. 4 Dam.

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

6.5	580	7.6	1,460	8.8	3,170	10.0	5,620	13.0	13,360
6.6	650	7.8	1,690	9.0	3,530	10.5	6,840	13.5	14,710
6.8	790	8.0	1,940	9.2	3,910	11.0	8,090	14.0	16,100
7.0	930	8.2	2,220	9.4	4,310	11.5	9,380		
7.2	1,090	8.4	2,520	9.6	4,730	12.0	10,680		
7.4	1,270	8.6	2,840	9.8	5,160	12.5	12,010		

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	1,570	1,750	1,690	1,810	1,880	3,910	4,310	5,160	2,760	1,940	1,810	1,750
2	1,520	1,750	1,630	1,750	1,880	3,820	4,420	5,050	2,840	1,940	1,810	1,690
3	1,410	1,810	1,690	1,690	2,220	3,910	5,620	4,940	2,760	1,940	1,810	1,750
4	1,410	1,810	1,690	1,810	2,520	3,910	6,590	4,620	2,760	1,940	1,810	1,750
5	1,520	1,750	1,690	1,940	2,680	3,530	9,120	4,620	2,680	2,010	1,750	1,690
6	1,630	1,750	1,690	2,010	3,000	3,170	8,860	4,620	2,660	2,010	1,690	1,690
7	1,690	1,630	1,630	2,440	3,440	3,170	9,120	4,620	2,680	2,010	1,690	1,630
8	1,630	1,630	1,690	2,680	4,310	3,530	12,600	4,520	2,840	1,940	1,750	1,690
9	1,570	1,630	1,630	2,300	5,050	3,170	12,800	4,520	2,760	1,940	1,750	1,750
10	1,570	1,690	1,690	2,150	4,310	2,840	11,200	4,520	2,680	1,940	1,810	1,810
11	1,630	1,690	1,750	2,080	4,620	2,760	9,640	4,420	2,600	2,010	1,810	1,750
12	1,630	1,690	1,750	1,940	4,310	2,680	8,090	3,910	2,520	1,940	1,810	1,690
13	1,630	1,630	1,750	2,010	4,110	2,600	7,340	4,110	2,440	1,940	1,750	1,690
14	1,570	1,690	1,810	1,940	3,440	2,680	7,090	4,310	2,440	1,880	1,750	1,750
15	1,570	1,750	1,810	2,150	2,760	2,840	7,590	4,310	2,520	1,880	1,750	1,690
16	1,690	1,750	1,810	2,010	2,600	3,000	7,340	4,310	2,520	1,880	1,690	1,750
17	1,690	1,810	1,810	2,010	2,440	3,170	7,090	3,910	2,440	1,940	1,690	1,750
18	1,570	2,220	1,750	2,010	2,520	3,080	6,840	3,910	2,370	1,940	1,690	1,690
19	1,520	2,520	1,810	1,940	2,680	2,920	6,590	3,910	2,300	1,880	1,750	1,630
20	1,520	2,220	1,880	1,940	2,840	2,840	6,340	3,620	2,150	1,880	1,750	1,690
21	1,690	1,810	1,810	1,810	2,760	2,920	6,100	3,170	2,010	1,940	1,750	1,750
22	1,750	1,690	1,810	1,690	2,840	3,000	5,860	3,080	2,080	1,880	1,690	1,810
23	1,690	1,880	1,750	1,750	2,760	2,920	5,620	3,080	2,220	1,880	1,690	1,750
24	1,630	1,880	1,750	1,810	3,350	3,000	5,860	3,080	2,150	1,880	1,690	1,750
25	1,630	1,810	1,690	1,880	3,530	3,530	5,620	3,080	2,080	1,880	1,690	1,750
26	1,630	1,750	1,750	1,810	2,920	3,910	5,050	3,350	2,150	1,880	1,690	1,750
27	1,630	1,750	1,750	1,810	2,760	4,010	4,940	3,080	2,150	1,810	1,630	1,750
28	1,630	1,690	1,880	1,880	3,530	4,110	4,940	2,920	2,080	1,810	1,690	1,750
29	1,630	1,630	2,080	1,880	-	3,820	5,390	2,760	2,010	1,810	1,750	1,690
30	1,690	1,690	1,880	1,880	-	3,910	5,280	2,760	2,010	1,810	1,750	1,750
31	1,690	-	1,880	1,940	-	3,820	-	2,760	-	1,810	1,810	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	49,830	1,750	1,410	1,607	98,840
November	53,750	2,520	1,630	1,792	106,600
December	54,880	2,080	1,630	1,764	108,500
Calendar year 1934	647,300	5,000	1,410	1,773	1,282,000
January	60,750	2,680	1,690	1,960	120,500
February	88,060	5,050	1,880	3,145	174,700
March	102,480	4,110	2,600	3,306	203,300
April	213,250	12,800	4,310	7,108	423,000
May	121,030	5,160	2,760	3,904	240,100
June	72,680	2,840	2,010	2,423	144,200
July	59,170	2,010	1,810	1,909	117,400
August	53,950	1,810	1,630	1,740	107,000
September	51,780	1,810	1,630	1,726	102,700
Water year 1934-35	951,410	12,800	1,410	2,689	1,947,000

Pit River above Hatchet Creek, Calif.

Location.- Water-stage recorder, lat. 40°56', long. 122°, in NE¼ sec. 5, T. 35 N., R. 1 W., 5 miles upstream from Hatchet Creek and 8 miles southwest of Big Bend. Altitude, about 1,280 feet.

Drainage area.- 5,040 square miles (not including Goose Lake Basin).

Records available.- November 1925 to September 1935.

Extremes.- Maximum discharge during year (estimated), 17,000 second-feet Apr. 8 (gage height not recorded); minimum, 1,390 second-feet Oct. 4.
1925-35: Maximum discharge recorded, 18,500 second-feet Mar. 27, 29, 1928 (gage height, 13.85 feet); minimum recorded, that of Oct. 4, 1934.

Remarks.- Records excellent except those for Dec. 23 to Apr. 12, which are fair and were estimated. Storage, power plants, and many diversions above station; daily fluctuations normally smoothed out by automatic regulator at Pit No. 4 Dam. Gage-height record and results of discharge measurements furnished by Mount Shasta Power Corporation.

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

3.5	1,035	4.6	1,760	5.8	2,870	8.5	6,840	11.5	13,100
3.6	1,135	4.8	1,920	6.0	3,090	9.0	7,800	12.0	14,200
3.8	1,240	5.0	2,080	6.5	3,700	9.5	8,800	12.5	15,350
4.0	1,360	5.2	2,260	7.0	4,380	10.0	9,850	13.0	16,500
4.2	1,480	5.4	2,450	7.5	5,100	10.5	10,900		
4.4	1,620	5.6	2,650	8.0	5,940	11.0	12,000		

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	1,620	1,800	1,760				4,500	5,600	2,870	2,040	1,840	1,760
2	1,550	1,800	1,760				4,900	5,430	2,920	2,040	1,840	1,720
3	1,480	1,840	1,760				6,800	5,260	2,870	2,000	1,840	1,720
4	1,420	1,920	1,760				9,000	4,950	2,920	2,040	1,640	1,720
5	1,520	1,840	1,760				11,000	4,950	2,760	2,080	1,800	1,720
6	1,660	1,760	1,760				10,500	5,100	2,760	2,080	1,720	1,690
7	1,690	1,690	1,720				11,500	4,950	2,760	2,040	1,720	1,690
8	1,690	1,660	1,720				15,000	4,950	2,870	2,000	1,760	1,690
9	1,620	1,660	1,720				15,000	4,950	2,870	2,000	1,800	1,720
10	1,620	1,720	1,760				13,000	4,800	2,760	2,000	1,800	1,600
11	1,620	1,690	1,760				11,000	4,660	2,700	2,000	1,840	1,760
12	1,620	1,690	1,800				9,500	4,240	2,600	2,000	1,840	1,720
13	1,620	1,660	1,840				8,200	4,380	2,550	2,000	1,800	1,720
14	1,580	1,690	1,880				7,800	4,520	2,500	1,960	1,760	1,720
15	1,580	1,960	1,880				8,800	4,520	2,550	1,960	1,760	1,720
16	1,660	1,840	1,920				8,800	4,520	2,550	1,960	1,720	1,720
17	1,720	1,880	1,880				8,000	4,100	2,500	2,000	1,680	1,720
18	1,580	2,600	1,840				7,800	4,100	2,400	2,000	1,720	1,690
19	1,550	2,760	1,880				7,410	4,100	2,350	1,960	1,800	1,660
20	1,550	2,400	1,920				7,220	3,850	2,260	1,920	1,760	1,690
21	1,720	1,960	1,840				7,030	3,450	2,080	1,960	1,760	1,760
22	1,800	1,880	1,840				6,660	3,330	2,170	1,920	1,690	1,800
23	1,690	2,220	1,800				6,300	3,330	2,260	1,920	1,690	1,800
24	1,690	2,120	1,800				6,300	3,330	2,260	1,960	1,690	1,720
25	1,620	2,040	1,750				6,120	3,330	2,170	1,920	1,690	1,720
26	1,620	1,920	1,800				5,600	3,450	2,260	1,880	1,690	1,720
27	1,620	1,880	1,800				5,430	3,210	2,220	1,840	1,690	1,720
28	1,620	1,800	2,000				5,430	3,090	2,170	1,840	1,720	1,720
29	1,620	1,760	2,300				5,940	2,980	2,120	1,840	1,760	1,720
30	1,660	1,800	2,500				5,770	2,870	2,080	1,840	1,760	1,720
31	1,760	-	2,100				-	2,870	-	1,840	1,800	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	50,370	1,800	1,420	1,625	99,910
November	57,240	2,760	1,660	1,908	113,500
December	57,610	2,500	1,720	1,858	114,300
Calendar year 1934	704,140	4,100	1,420	1,929	1,398,000
January	68,200	-	-	2,200	135,300
February	100,800	-	-	3,600	199,900
March	117,800	-	-	3,800	233,700
April	246,610	15,000	4,800	8,220	489,100
May	129,150	5,600	2,870	4,166	256,200
June	75,110	2,920	2,080	2,504	149,000
July	60,840	2,080	1,840	1,963	120,700
August	54,590	1,840	1,690	1,761	108,300
September	51,760	1,800	1,660	1,725	102,600
Water year 1934-35	1,070,070	15,000	1,420	2,932	2,123,000

Pit River near Ydalpom, Calif.

Location.- Water-stage recorder, lat. 40°46', long. 122°14', in NW¼ sec. 32, T. 34 N., R. 3 W., at Silverthorne Ferry, 1½ miles southwest of Ydalpom. Squaw Creek enters half a mile above and McCloud River 4 miles below station. Altitude, about 735 feet.

Drainage area.- 5,350 square miles (not including drainage area of Goose Lake).

Records available.- May 1924 to September 1935; November 1910 to May 1924, staff gage 400 feet downstream.

Average discharge.- 24 years (1911-35), 3,833 second-feet.

Extremes.- Maximum discharge during year, 29,400 second-feet Apr. 8 (gage height, 16.00 feet); minimum, 1,500 second-feet Oct. 7.
1910-35: Maximum discharge, about 47,000 second-feet Dec. 31, 1913 (gage height, about 20.7 feet, present datum); minimum, 1,000 second-feet July 10, 1925, regulated.

Remarks.- Records excellent except those for Jan. 25 to Feb. 2, which are fair, and were estimated. Storage, power plants, and many diversions above station; daily fluctuations normally smoothed out by automatic regulator at Pit No. 4 Dam, above station.

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

4.2	1,500	5.8	3,360	7.5	6,170	9.5	10,260	11.5	15,400	13.5	21,300
4.6	1,890	6.2	3,970	8.0	7,090	10.0	11,460	12.0	16,800	14.0	22,900
5.0	2,340	6.6	4,610	8.5	8,060	10.5	12,700	12.5	18,300	15.0	26,100
5.4	2,840	7.0	5,290	9.0	9,120	11.0	14,000	13.0	19,800	16.0	29,400

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	1,890	2,160	2,160	3,040	3,750	9,340	6,530	7,860	3,450	2,340	2,000	1,890
2	1,690	2,060	2,110	2,640	3,620	7,860	6,710	7,660	3,520	2,280	2,000	1,840
3	1,740	2,220	2,110	2,460	4,130	6,900	10,700	7,280	3,450	2,280	2,000	1,890
4	1,690	2,460	2,060	3,720	4,370	6,530	15,700	6,710	3,520	2,280	2,000	1,840
5	1,690	2,280	2,060	4,610	4,610	5,810	18,600	6,710	3,310	2,340	2,000	1,840
6	1,590	2,060	2,000	3,670	4,950	5,810	15,700	6,710	3,310	2,340	1,840	1,840
7	1,540	1,940	2,000	7,300	5,630	6,710	21,500	6,710	3,310	2,340	1,890	1,790
8	1,640	1,890	1,940	7,660	7,470	6,170	26,400	6,530	3,310	2,280	1,940	1,790
9	1,790	1,840	1,940	5,460	8,060	5,630	22,300	6,53e	3,380	2,280	1,940	1,890
10	1,840	1,890	1,940	4,610	6,900	4,950	18,600	6,350	3,240	2,280	1,940	1,940
11	1,740	1,890	2,000	3,970	6,350	4,610	14,800	6,170	3,170	2,280	2,000	1,940
12	1,740	1,840	2,060	3,520	6,170	4,450	12,400	5,630	3,040	2,220	2,000	1,840
13	1,740	1,840	2,110	4,210	5,990	4,370	11,200	5,630	2,970	2,220	1,940	1,840
14	1,740	1,920	2,220	4,050	5,990	4,450	10,700	5,630	2,970	2,220	1,940	1,890
15	1,690	3,100	2,220	3,970	4,780	4,610	12,700	5,630	2,970	2,160	1,940	1,940
16	1,690	2,460	2,220	4,800	4,370	4,610	14,000	5,630	3,040	2,160	1,890	1,890
17	1,840	2,780	2,280	5,990	4,050	4,780	11,900	5,460	2,900	2,220	1,840	1,890
18	1,740	6,090	2,160	5,290	3,900	4,610	11,200	5,290	2,840	2,220	1,890	1,840
19	1,690	4,990	2,220	4,290	3,900	4,370	10,500	5,120	2,780	2,160	1,940	1,790
20	1,690	3,310	2,220	3,670	4,210	4,290	10,000	4,780	2,640	2,110	1,940	1,840
21	1,890	2,640	2,220	3,310	4,050	4,370	9,780	4,370	2,460	2,160	1,890	1,890
22	2,060	2,520	2,160	2,900	4,050	4,610	9,120	4,210	2,460	2,160	1,840	1,940
23	1,890	3,980	2,160	2,840	4,130	4,780	8,680	4,210	2,580	2,110	1,840	1,940
24	1,840	3,310	2,110	2,970	4,290	4,780	8,260	4,130	2,580	2,160	1,840	1,890
25	1,790	2,840	2,060	3,240	4,610	5,810	8,260	4,130	2,460	2,110	1,840	1,890
26	1,790	2,520	2,110	3,500	4,130	7,470	7,660	4,290	2,620	2,060	1,840	1,840
27	1,790	2,400	2,160	3,700	4,610	6,900	7,280	4,050	2,520	2,060	1,840	1,840
28	1,790	2,280	2,460	3,700	8,900	6,350	7,470	3,820	2,460	2,000	1,890	1,840
29	1,790	2,160	3,720	3,700	-	6,170	8,060	3,740	2,400	2,000	1,890	1,840
30	1,790	2,160	5,930	3,700	-	6,350	8,460	3,600	2,340	2,000	1,890	1,840
31	2,060	-	3,820	3,740	-	6,170	-	3,520	-	2,000	1,940	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	54,880	2,060	1,540	1,764	108,500
November	77,830	6,090	1,840	2,694	154,400
December	72,940	5,930	1,940	2,353	144,700
Calendar year 1934	910,300	10,300	1,540	2,494	1,806,000
January	126,230	7,660	2,460	4,072	250,400
February	142,170	8,900	3,750	5,078	282,000
March	174,620	9,340	4,290	5,633	346,400
April	365,170	26,400	6,530	12,170	724,300
May	168,090	7,880	3,520	5,422	333,400
June	87,900	3,620	2,340	2,930	174,300
July	67,830	2,340	2,000	2,188	134,500
August	59,410	2,000	1,840	1,916	117,800
September	56,000	1,940	1,790	1,867	111,100
Water year 1934-35	1,452,870	26,400	1,540	3,980	2,882,000

South Fork of Pit River near Likely, Calif.

Location.- Water-stage recorder, lat. 41°14', long. 120°25', in SE¼ sec. 12, T. 39 N., R. 13 E., 0.4 mile below West Valley Creek and 4 miles east of Likely. Altitude, about 4,580 feet.

Drainage area.- 218 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 610 second-feet May 30 (gage height, 4.49 feet); minimum recorded, 9 second-feet Sept. 14.
1928-35: Maximum discharge, 1,060 second-feet Apr. 27, 1932 (gage height, 5.55 feet); minimum, 2.7 second-feet Aug. 4, 1931.

Remarks.- Records good except those estimated. Water diverted above station for irrigation in Jess and West Valleys.

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	24	*13		*40	46	66	235	377	58	30	19
2	11	27	*12		*42	47	63	156	314	53	31	19
3	12	27	*13		47	49	67	128	286	46	30	19
4	14	28	*14		46	46	91	118	283	42	28	19
5	12	29	*14		51	42	158	130	280	45	30	18
6	13	28	*16		52	44	97	177	264	45	28	18
7	16	27	*16		71	*40	110	220	253	43	27	20
8	14	27	*16		91	*35	390	258	253	38	24	20
9	15	26	*18		59	*35	201	292	240	40	24	18
10	16	26	*24		*50	*30	208	311	218	38	24	21
11	16	25	29		*45	*35	177	335	195	37	23	21
12	17	25	31		*40	47	100	332	166	34	23	21
13	16	24	36		*35	58	83	323	173	32	24	19
14	16	22	55	*30	*35	81	66	329	162	34	23	12
15	16	27	42		*30	*70	131	326	148	29	23	15
16	20	26	34		*35	*65	210	323	133	26	23	15
17	22	29	34		*40	*64	171	308	124	26	23	14
18	22	31	30		*50	*50	113	275	112	24	23	14
19	21	30	38		63	*50	104	264	105	24	24	13
20	21	29	42		62	54	113	264	100	20	23	12
21	21	29	41		54	*45	139	280	93	21	22	12
22	23	29	39		56	*45	133	306	87	24	22	12
23	23	*28	35		*57	*45	126	335	79	26	20	13
24	25	*26	34		*50	*50	105	332	81	32	19	15
25	24	*24	31		*45	97	97	317	74	30	20	14
26	23	*22	29		*45	110	94	338	68	30	20	14
27	22	*20	*30	41	45	80	99	332	66	28	20	14
28	24	*18	*30	39	46	71	120	311	63	27	23	12
29	24	*16	*30	39	-	77	160	335	60	27	24	16
30	24	*14	*30	40	-	76	230	556	58	27	21	18
31	24	-	*30	*40	-	67	-	487	-	28	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	580	25	11	18.7	1,150
November	765	31	*14	25.5	1,520
December	886	55	*12	28.6	1,760
Calendar year 1934	10,517.0	153	8	28.8	20,860
January	979	-	-	31.6	1,940
February	1,384	91	*30	49.4	2,750
March	1,751	110	*30	56.5	3,470
April	4,042	390	63	135	8,020
May	9,033	556	118	291	17,920
June	4,935	377	58	164	9,790
July	1,036	58	20	33.4	2,050
August	740	31	19	23.9	1,470
September	487	21	12	16.2	966
Water year 1934-35	26,618	556	11	72.9	52,810

*Estimated.

Hat Creek near Hat Creek, Calif.

Location.- Water-stage recorder, lat. 40°41', long. 121°25', in SE¼ sec. 28, T. 33 N., R. 5 E., 5 miles below Big Springs and 11 miles southeast of Hat Creek. Altitude, about 4,500 feet.

Records available.- April 1928 to September 1935; July 1926 to April 1928 at site half a mile upstream.

Extremes.- Maximum discharge recorded during year, 237 second-feet Nov. 15 (gage height, 3.34 feet); minimum, 68 second-feet Nov. 10.
1926-35: Maximum discharge, 419 second-feet Mar. 26, 1928 (gage height, 4.00 feet, at former site and datum); minimum, 67 second-feet Sept. 7, 1934.

Remarks.- Records excellent except those for Mar. 15 to Apr. 10, which are fair and were estimated. Small irrigation diversions above station.

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

2.1	63	2.6	109	3.1	188
2.2	68	2.7	124	3.2	207
2.3	75	2.8	139	3.3	228
2.4	84	2.9	155	3.4	251
2.5	96	3.0	171	3.5	277

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	78	73	72	71	70		111	161	103	86	78
2	73	73	73	72	71	71		109	166	99	86	76
3	73	74	73	73	71	73		104	171	96	86	78
4	73	74	73	75	72	72		109	179	90	86	77
5	73	73	73	73	72	72	110	120	185	89	86	77
6	72	73	73	73	73	72		132	194	91	86	78
7	72	72	73	74	73	70		147	199	89	86	78
8	72	72	73	73	73	71		149	185	90	86	81
9	70	70	73	73	72	71		149	176	89	81	84
10	70	70	73	73	70	70	82	146	163	92	76	85
11	70	70	73	73	73	72	84	147	158	92	79	84
12	70	70	74	73	73	73	85	143	160	91	78	84
13	71	70	76	73	73	73	86	144	153	91	77	84
14	71	71	77	73	71	74	90	147	144	90	77	84
15	72	152	75	72	70	74	109	147	132	91	77	86
16	72	83	75	72	73	74	105	147	129	90	78	84
17	72	79	73	72	73	74	95	136	130	89	78	84
18	73	78	73	73	72	74	94	136	129	89	78	82
19	73	76	75	71	72	74	99	144	127	88	82	81
20	73	77	74	71	73	75	108	152	136	81	84	81
21	81	75	73	71	73		120	158	139	79	84	79
22	82	76	73	72	73		107	168	139	80	84	79
23	78	77	73	73	73		100	171	136	79	84	79
24	78	73	73	73	72		97	166	127	83	83	78
25	77	76	73	73	70		101	171	123	81	83	78
26	76	75	73	73	71	75	107	179	124	81	84	77
27	76	76	73	73	71		115	179	123	82	84	77
28	76	74	73	73	70		118	166	118	82	85	79
29	76	75	73	73	-		130	178	117	82	82	81
30	74	75	71	73	-		120	158	107	83	78	82
31	75	-	71	72	-		-	146	-	85	78	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,287	82	70	73.8	4,540
November	2,287	132	70	76.2	4,540
December	2,274	77	71	73.4	4,510
Calendar year 1934	29,541	201	68	80.9	58,590
January	2,253	75	71	72.7	4,470
February	2,014	73	70	71.9	3,990
March	2,274	-	70	73.4	4,510
April	3,142	-	-	105	6,230
May	4,559	179	104	147	9,040
June	4,430	199	107	148	8,790
July	2,717	103	79	87.6	5,390
August	2,544	86	77	82.1	5,050
September	2,417	86	77	80.6	4,790
Water year 1934-35	33,198	199	70	91.0	65,850

McCloud River near McCloud, Calif.

Location.- Water-stage recorder, lat. 41°11', long. 122°4', in NE¼ sec. 34, T. 39 N., R. 2 W., half a mile below Angel Creek and 6 miles southeast of McCloud. Altitude, about 2,750 feet.

Drainage area.- 388 square miles.

Records available.- April 1931 to September 1935.

Extremes.- Maximum discharge during year, 1,330 second-feet Apr. 30 (gage height, 1.99 feet); minimum, 538 second-feet several days, October to February.
1931-35: Maximum discharge, that of Apr. 30, 1935; minimum, 524 second-feet Nov. 23, 24, 1932.

Remarks.- Records good except those for Jan. 20 to Feb. 10, Feb. 15 to Mar. 11, May 16 to June 6, which are fair and were estimated on basis of records for station at Baird. Two small diversions above station, total capacity about 10 second-feet.

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

0.7	468	1.1	708	1.5	975	1.9	1,260
.8	520	1.2	774	1.6	1,045	2.0	1,335
.9	580	1.3	840	1.7	1,115		
1.0	643	1.4	907	1.8	1,185		

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	550	556	544	550	556	556	637	1,150	920	662	637	592
2	550	544	544	550	556	556	649	1,120	910	662	637	599
3	550	556	544	544	562	556	807	1,040	890	662	637	605
4	550	550	544	556	562	556	975	1,040	880	662	637	605
5	550	550	544	550	568	556	1,010	1,040	870	662	637	599
6	556	550	550	550	574	562	961	1,080	860	662	637	592
7	556	544	550	556	580	562	968	1,120	867	662	637	605
8	556	544	550	550	586	562	1,010	1,120	847	656	637	599
9	556	538	550	550	580	562	947	1,120	820	662	630	599
10	556	538	550	544	580	562	880	1,150	800	656	630	599
11	550	538	550	544	574	562	847	1,120	794	662	630	599
12	550	538	550	544	574	562	847	1,040	787	662	630	599
13	544	544	550	556	568	562	853	1,040	774	656	630	599
14	544	562	550	556	568	568	907	1,010	767	656	630	599
15	544	617	550	550	562	574	1,150	1,010	754	656	630	599
16	550	580	556	550	556	574	1,300	1,010	734	669	624	605
17	550	574	550	550	556	574	1,180	1,010	728	656	624	605
18	550	574	550	556	550	574	1,080	1,010	721	656	624	605
19	550	568	550	550	550	568	1,080	1,010	715	656	617	599
20	550	556	550	544	544	568	1,120	1,040	708	649	617	599
21	562	550	550	538	544	568	1,180	1,040	708	649	617	592
22	550	556	550	538	544	568	1,120	1,080	701	643	617	592
23	550	568	550	538	544	568	1,040	1,080	701	643	617	592
24	550	556	550	538	538	562	1,010	1,040	695	643	617	586
25	550	550	550	538	538	568	1,010	1,010	688	643	617	586
26	550	550	550	538	538	568	1,040	1,010	688	643	617	586
27	550	544	550	544	544	568	1,040	1,010	688	637	624	586
28	550	544	550	544	550	568	1,080	980	682	637	630	580
29	550	544	556	544	-	580	1,180	970	675	637	611	580
30	556	544	550	550	-	592	1,260	960	669	637	599	580
31	580	-	550	550	-	611	-	940	-	637	580	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	17,110	580	544	552	33,940
November	16,627	617	538	554	32,980
December	17,032	556	544	549	33,780
Calendar year 1934	224,327	1,040	538	615	445,100
January	16,960	556	538	547	33,640
February	15,646	586	538	559	31,030
March	17,597	611	556	568	34,900
April	30,168	1,300	637	1,006	59,840
May	32,400	1,150	940	1,045	64,260
June	23,041	920	669	768	45,700
July	20,235	669	637	653	40,140
August	19,358	637	580	624	38,400
September	17,862	605	580	595	35,430
Water year 1934-35	244,036	1,300	538	669	484,000

McCloud River at Baird, Calif.

Location.- Water-stage recorder, lat. 40°47', long. 122°18', in SE¼ sec. 22, T. 34 N., R. 4 W., half a mile below Baird post office and 1½ miles above junction with Pit River. Altitude, about 700 feet.

Drainage area.- 668 square miles.

Records available.- December 1930 to September 1935; December 1910 to December 1930, staff gage 1 mile upstream.

Average discharge.- 24 years (1911-34), 1,645 second-feet.

Extremes.- Maximum discharge during year, 8,440 second-feet Apr. 7 (gage height, 9.41 feet); minimum, 660 second-feet Oct. 13, 14.
1910-35: Maximum discharge, 27,600 second-feet Feb. 2, 1917 (gage height, 14.3 feet, former site and datum); minimum, 650 second-feet for several days August to October 1931.

Remarks.- Records excellent. No large diversions.

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

1.0	610	2.2	1,030	3.8	1,980	6.2	4,280	9.0	7,880
1.2	660	2.4	1,130	4.2	2,290	6.6	4,760	10.0	9,280
1.4	720	2.6	1,230	4.6	2,620	7.0	5,280	11.3	11,100
1.6	785	2.8	1,340	5.0	2,980	7.5	5,930	12.0	12,150
1.8	860	3.0	1,450	5.4	3,370	8.0	6,580		
2.0	940	3.4	1,700	5.8	3,810	8.5	7,230		

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	675	900	940	1,200	1,840	2,530	2,130	2,620	1,420	940	802	750
2	675	785	920	1,080	1,840	2,370	2,290	2,450	1,400	940	802	750
3	675	900	880	1,030	1,910	2,210	4,260	2,370	1,370	940	785	735
4	675	940	880	1,380	1,910	2,050	5,800	2,290	1,370	920	735	735
5	675	940	860	1,740	1,980	1,910	5,280	2,210	1,340	920	785	735
6	675	820	840	1,510	2,050	1,980	4,280	2,290	1,340	940	785	735
7	705	768	840	2,960	2,290	2,210	5,800	2,290	1,340	920	785	735
8	690	735	820	3,170	2,620	2,050	7,230	2,210	1,310	920	785	735
9	675	720	820	2,370	2,530	1,840	5,410	2,210	1,280	900	785	735
10	675	720	820	1,980	2,290	1,740	4,160	2,210	1,230	900	735	735
11	675	705	802	1,700	1,980	1,660	3,590	2,130	1,200	900	768	735
12	675	705	802	1,570	1,840	1,600	3,170	1,980	1,200	880	768	720
13	660	705	820	1,840	1,840	1,600	2,980	1,910	1,180	880	768	720
14	660	735	840	1,770	1,770	1,660	2,980	1,910	1,180	880	768	735
15	675	1,790	820	1,600	1,660	1,700	4,160	1,840	1,160	860	768	768
16	675	1,340	860	1,740	1,570	1,660	5,020	1,980	1,130	860	768	735
17	690	1,570	880	1,840	1,510	1,600	4,280	1,910	1,100	860	768	735
18	675	2,510	860	1,840	1,480	1,570	3,700	1,840	1,080	860	768	735
19	675	2,710	840	1,630	1,450	1,510	3,370	1,740	1,060	840	750	735
20	690	1,600	840	1,450	1,480	1,510	3,270	1,740	1,060	840	750	735
21	813	1,280	820	1,340	1,510	1,450	3,270	1,740	1,030	840	750	720
22	750	1,310	820	1,280	1,510	1,480	3,070	1,740	1,030	840	750	720
23	690	1,770	820	1,200	1,510	1,570	2,800	1,740	1,010	840	750	720
24	690	1,700	820	1,230	1,480	1,540	2,530	1,700	1,010	820	750	720
25	690	1,420	802	1,370	1,420	1,840	2,450	1,660	985	820	750	720
26	690	1,230	820	1,480	1,400	2,450	2,450	1,630	985	820	750	720
27	690	1,130	820	1,600	1,570	2,290	2,450	1,630	985	820	750	720
28	690	1,060	840	1,560	2,210	2,130	2,450	1,570	985	802	750	720
29	690	1,010	1,120	1,700	-	2,130	2,710	1,570	962	802	768	720
30	690	985	1,600	1,700	-	2,130	2,890	1,540	962	802	750	720
31	898	-	1,400	1,770	-	2,210	-	1,450	-	802	750	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	21,526	898	660	694	42,700
November	35,543	2,710	705	1,185	70,500
December	27,666	1,600	802	892	54,870
Calendar year 1934	426,738	9,420	660	1,169	846,400
January	51,710	3,170	1,030	1,668	102,600
February	50,450	2,620	1,400	1,802	100,100
March	58,180	2,530	1,450	1,877	115,400
April	110,230	7,230	2,130	3,674	218,600
May	60,100	2,620	1,450	1,939	119,200
June	34,694	1,420	962	1,156	68,810
July	26,908	940	802	868	53,370
August	23,796	802	750	768	47,200
September	21,933	768	720	731	43,500
Water year 1934-35	522,736	7,230	660	1,432	1,037,000

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Mill Creek near Los Molinos, Calif.

Location.- Water-stage recorder, lat. 40°3'20", long. 122°1'15", in NE¼ sec. 6, T. 25 N., R. 1 W., 5 miles above mouth and 5 miles northeast of Los Molinos. Altitude, about 420 feet.

Drainage area.- 173 square miles.

Records available.- October 1928 to September 1935; September 1909 to September 1913 (fragmentary), at staff-gage station 0.3 mile below.

Extremes.- Maximum discharge during year, 4,010 second-feet probably Jan. 4 (gage height, 8.5 feet); minimum, 68 second-feet Oct. 6.
1928-35: Maximum discharge, 6,000 second-feet Dec. 15, 1929 (gage height, 10.05 feet); minimum, 49 second-feet Dec. 13, 1932.

Remarks.- Records good except those for Nov. 23 to Dec. 16 and Dec. 23 to Jan. 16, which are fair and were estimated on basis of records for Deer Creek near Vina. No large diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	135	150	170	200	1,510	343	560	456	198	116	81
2	69	108	135	145	206	732	348	628	456	186	115	81
3	70	124	125	130	206	515	645	515	470	179	111	81
4	70	131	120	2,300	209	515	550	500	500	177	109	79
5	69	109	115	1,000	224	374	550	545	515	175	108	78
6	69	99	110	450	263	582	770	625	530	171	106	79
7	72	93	105	500	359	698	1,620	698	545	165	105	81
8	74	88	100	550	333	428	1,710	698	500	164	102	81
9	72	87	100	550	282	387	1,080	680	428	158	97	79
10	70	85	98	600	239	319	750	628	400	155	95	79
11	70	84	98	450	220	277	610	610	400	153	93	79
12	70	84	98	340	204	263	545	575	414	151	92	79
13	70	84	120	260	195	270	515	530	387	149	90	78
14	69	91	450	1,400	195	317	560	530	361	148	89	82
15	70	517	320	460	172	300	1,140	515	322	148	90	92
16	72	168	240	400	164	261	1,050	500	302	148	90	89
17	80	350	258	372	156	236	810	470	310	148	90	83
18	78	606	189	320	156	222	680	456	300	144	89	82
19	75	362	162	226	156	205	645	456	300	142	88	81
20	74	213	152	206	164	196	715	485	291	140	88	81
21	85	156	146	180	172	205	770	545	288	139	86	81
22	122	148	140	168	170	192	628	575	288	140	85	81
23	84	400	135	174	189	239	530	610	279	139	83	81
24	80	300	130	231	172	215	515	560	254	135	83	81
25	81	240	125	251	162	194	500	560	241	135	82	81
26	78	200	120	246	154	196	530	592	241	130	82	81
27	77	170	170	239	457	205	575	575	241	127	85	79
28	75	155	150	228	1,790	198	628	545	228	124	85	78
29	75	145	150	213	-	217	715	545	224	124	85	78
30	75	140	240	209	-	266	645	485	209	121	83	76
31	96	-	200	202	-	314	-	414	-	119	82	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,360	122	69	76.1	4,680
November	5,672	606	84	189	11,250
December	4,951	480	98	160	9,820
Calendar year 1934	60,435	1,300	62	166	120,000
January	14,070	2,300	130	454	27,910
February	7,569	1,790	154	270	15,010
March	11,048	1,510	192	356	21,910
April	22,272	1,710	343	742	44,180
May	17,213	698	414	555	34,140
June	10,680	545	209	356	21,180
July	4,633	198	119	149	9,190
August	2,882	116	82	93.0	5,720
September	2,422	92	76	80.7	4,800
Water year 1934-35	105,772	2,300	69	290	209,800

Elder Creek near Henleyville, Calif.

Location.- Water-stage recorder, lat. 40°02', long. 122°15', in SE¼ sec. 10, T. 25 N., R. 4 W., at highway bridge on Paskenta-Red Bluff road 1.2 miles above Spring Branch and 6 miles northeast of Henleyville. Altitude, about 310 feet.

Records available.- October 1930 to September 1935.

Extremes.- Maximum discharge during year, 2,310 second-feet Feb. 7 (gage height, 4.85 feet); no flow for several months.
1930-35: Maximum discharge, about 6,300 second-feet Jan. 1, 1934 (gage height, 7.28 feet); no flow several months each year.

Remarks.- Records good except those for Feb. 15-17 and Mar. 17-25, which are fair and were estimated. No large diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		15	14	36	89	632	105	138	24	2.3		
2		2.1	13	29	99	237	102	121	19	2.1		
3		20	11	28	99	163	186	105	18	1.6		
4		40	10	731	102	132	186	99	17	1.1		
5		15	8.5	758	115	115	171	96	15	.7		
6		8	8	182	135	466	163	96	14	1.8		
7		5	8	232	689	243	661	99	13	1.9		
8		3.4	7.5	207	752	163	584	96	13	1.9		
9		2.7	7.5	625	232	135	293	92	13	1.6		
10		2.3	7	604	160	118	228	86	12	0		
11		2.1	7	248	128	108	194	83	10	0		
12		2.1	7	152	112	102	171	75	9	0		
13		2.1	9	591	102	99	153	69	9	0		
14		11	21	535	86	96	163	66	9	0		
15		121	18	254	78	86	470	64	9	0		
16		58	28	372	71	78	328	61	9	0		
17		40	54	198	66	76	243	61	8.5	0		
18		309	33	145	61	74	207	56	8	0		
19		187	24	108	58	72	194	51	7	0		
20		54	21	83	61	70	194	49	6	0		
21		33	18	75	61	69	186	45	5.5	0		
22		29	17	66	58	110	167	43	5	0		
23		43	15	61	56	160	156	43	4.5	0		
24		43	14	61	54	130	138	40	4.5	0		
25		31	13	63	51	100	128	38	4.0	0		
26		24	14	96	49	89	125	34	3.2	0		
27		22	19	102	56	78	125	33	2.7	0		
28		19	16	102	554	75	128	31	2.3	0		
29		16	24	89	-	75	167	29	2.9	0		
30		15	135	99	-	89	167	31	2.5	0		
31		-	58	96	-	105	-	28	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	1,154.8	809	2.1	38.5	2,290
December	859.5	135	7	21.3	1,310
Calendar year 1934	14,006.1	1,200	0	38.4	27,750
January	7,049	758	28	227	13,980
February	4,234	752	49	151	8,400
March	4,345	632	69	140	8,620
April	6,493	661	102	216	12,880
May	2,058	138	28	66.4	4,080
June	279.6	24	2.3	9.32	555
July	14.5	2.3	0	.47	29
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	26,287.4	758	0	72.0	52,140

Note.- No flow during months left blank.

Thomas Creek at Paskenta, Calif.

Location.- Water-stage recorder, lat. 39°52', long. 122°33', in SE¼ sec. 5, T. 23 N., R. 6 W., half a mile upstream from Paskenta and 4.5 miles below Mill Creek.

Drainage area.- 188 square miles.

Records available.- August 1930 to September 1935; October 1920 to August 1930, staff gage half a mile downstream (only gage heights prior to January 1921).

Average discharge.- 14 years (1921-35), 205 second-feet.

Extremes.- Maximum discharge during year, 3,170 second-feet Apr. 8 (gage height, 7.80 feet); no flow Oct. 1-21.
1921-35: Maximum discharge, about 16,600 second-feet Mar. 26, 1928 (gage height, 10.5 feet at old location); no flow for short periods in 1921-22, 1924, 1926, 1929-34.

Remarks.- Records excellent. No diversions above station.

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

0.3	0	1.6	52	3.0	324	5.8	1,610
.4	.2	1.8	74	3.4	456	6.2	1,890
.6	1.2	2.0	101	3.8	604	6.6	2,170
.8	5.5	2.2	131	4.2	760	7.0	2,490
1.0	12	2.4	167	4.6	930	7.4	2,810
1.2	21	2.6	211	5.0	1,120	7.8	3,170
1.4	34	2.8	264	5.4	1,350		

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	159	178	82	419	566	604	566	150	21	3.9	0.8
2	0	71	143	78	510	419	566	474	150	20	3.7	.8
3	0	228	120	82	528	366	1,070	436	150	19	3.2	.7
4	0	212	107	284	604	334	1,040	422	145	18	3.0	.6
5	0	120	97	434	680	285	930	470	141	17	2.8	.5
6	0	78	87	216	720	340	820	566	134	17	2.6	.5
7	0	55	78	308	862	294	1,790	585	128	16	2.4	.5
8	0	42	71	388	700	253	2,230	585	112	16	2.2	.5
9	0	34	67	411	547	226	1,320	547	98	15	2.0	.5
10	0	28	65	470	446	204	975	510	90	14	1.6	.4
11	0	25	63	261	388	200	820	453	84	13	1.2	.4
12	0	22	64	204	369	214	740	405	82	12	1.0	.5
13	0	20	96	242	337	258	760	362	74	11	.8	.5
14	0	44	211	279	291	343	840	346	68	10	.8	.5
15	0	336	150	195	253	312	1,410	315	62	10	.8	.8
16	0	165	154	200	226	282	1,120	309	55	9.5	.7	.9
17	0	138	234	167	211	267	908	282	53	9	.7	.6
18	0	236	167	150	218	253	820	261	49	8	.6	.4
19	0	228	141	134	264	234	930	253	46	8	.5	.8
20	0	158	146	119	309	224	975	279	42	7.5	.4	.9
21	0	125	140	120	321	216	885	309	40	7	.4	.8
22	130	190	128	112	300	218	720	318	37	6.5	.4	.8
23	28	330	114	114	256	214	623	315	35	7.5	.3	.8
24	16	229	104	145	256	193	566	288	32	8	.3	.9
25	14	195	97	204	226	193	547	244	29	9	.2	.8
26	12	303	93	267	209	256	585	242	27	7.5	.2	.8
27	10	216	101	321	239	273	642	226	26	6.5	.3	.7
28	9	184	88	334	436	303	700	204	25	5.5	.4	.6
29	7.5	180	91	327	-	449	862	195	24	5	.4	.5
30	7.5	182	102	402	-	604	680	187	23	4.8	.4	.5
31	80	-	94	322	-	661	-	152	-	4.4	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	312.0	130	0	10.1	619
November	4,532	336	20	151	8,990
December	3,591	234	63	116	7,120
Calendar year 1934	41,229.7	1,330	0	113	81,750
January	7,432	470	78	240	14,740
February	11,154	862	209	398	22,120
March	9,464	661	193	305	18,750
April	27,478	2,230	547	916	54,500
May	11,086	585	152	358	21,990
June	2,211	150	23	73.7	4,390
July	342.7	21	4.4	11.1	680
August	38.5	3.9	.2	1.24	76
September	19.3	.9	.4	.64	38
Water year 1934-35	77,650.5	2,230	0	213	154,000

Deer Creek near Vina, Calif.

Location.- Water-stage recorder, lat. 40°01', long. 121°56', in NE¼ sec. 23, T. 25 N., R. 1 W., 0.8 mile (revised) above concrete diversion dam and 9 miles northeast of Vina. Altitude, about 480 feet (revised).

Drainage area.- 200 square miles.

Records available.- October 1928 to September 1935. October 1911 to December 1915 and March 1920 to October 1928, staff-gage station 0.8 mile downstream.

Average discharge.- 18 years (1912-15, 1920-35), 265 second-feet.

Extremes.- Maximum discharge during year, 3,740 second-feet Jan. 4 (gage height, 6.35 feet); minimum, 55 second-feet Oct. 14.
1911-15, 1920-35: Maximum discharge, 12,200 second-feet Mar. 26, 1928 (gage height, 15.0 feet, former site and datum); minimum, 43 second-feet Dec. 13, 1932.

Remarks.- Records good. No diversions.

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

0.3	46	.9	140	2.0	486	3.4	1,210	5.8	3,120
.4	57	1.0	160	2.2	570	3.8	1,450	6.2	3,520
.5	70	1.2	210	2.4	660	4.2	1,710	6.5	3,850
.6	84	1.4	270	2.6	760	4.6	2,010		
.7	101	1.6	336	2.8	870	5.0	2,350		
.8	120	1.8	408	3.0	980	5.4	2,720		

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	58	116	112	148	276	1,850	499	760	312	114	81	71
2	56	98	99	136	286	1,040	503	788	296	114	81	71
3	57	91	94	128	276	710	815	695	280	112	81	71
4	57	120	91	2,280	270	615	1,210	656	270	110	81	71
5	57	105	87	1,000	283	474	1,150	680	264	110	81	70
6	57	86	84	458	322	812	1,090	735	258	110	81	70
7	60	76	83	493	416	870	1,740	788	252	109	81	71
8	61	73	83	557	383	553	2,720	788	240	109	80	71
9	60	70	81	847	333	454	1,680	760	228	107	80	71
10	57	70	81	794	286	383	1,180	700	213	105	78	71
11	57	69	81	454	258	361	980	665	202	103	77	71
12	57	69	80	336	237	365	870	620	194	101	76	71
13	56	69	96	858	225	390	788	579	187	99	76	71
14	56	78	283	1,400	213	486	788	553	177	98	76	73
15	57	492	249	482	192	474	1,420	536	170	98	77	80
16	60	172	200	431	179	401	1,510	511	162	96	77	80
17	65	227	202	386	172	361	1,270	499	158	92	78	76
18	69	632	158	343	165	333	1,060	478	150	91	77	73
19	65	391	142	270	165	302	1,010	454	146	91	77	71
20	64	197	132	225	170	292	1,060	446	142	89	76	71
21	69	150	130	197	187	299	1,060	454	136	89	74	71
22	98	134	124	184	184	283	952	466	134	89	74	71
23	74	240	116	184	205	383	815	474	130	89	73	71
24	67	222	109	258	192	333	760	454	128	87	73	71
25	66	160	105	305	182	316	735	438	124	87	71	71
26	65	150	105	316	177	333	735	423	122	86	71	70
27	64	134	165	312	458	350	760	416	120	84	74	70
28	62	122	144	302	1,790	336	815	394	118	84	74	69
29	64	112	144	286	-	350	898	383	118	84	74	67
30	64	107	225	286	-	404	898	390	116	83	74	69
31	84	-	174	273	-	466	-	347	-	83	73	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,965	98	56	63.4	3,900
November	4,832	632	69	161	9,580
December	4,059	283	80	131	8,050
Calendar year 1934	52,788	2,020	53	145	104,700
January	14,929	2,280	128	482	29,610
February	8,482	1,790	165	303	16,820
March	15,379	1,850	283	496	30,500
April	31,771	2,720	499	1,059	63,020
May	17,330	788	347	559	34,370
June	5,547	312	116	185	11,000
July	3,003	114	83	96.9	5,960
August	2,377	81	71	76.7	4,710
September	2,145	80	67	71.5	4,250
Water year 1934-35	111,819	2,720	56	306	221,800

Chico Creek near Chico, Calif.

Location.- Water-stage recorder, lat. 39°46', long. 121°48', in Arroyo Chico grant, 1 mile above golf clubhouse in Municipal Park and 6 miles northeast of Chico, Butte County. Altitude, about 400 feet.

Drainage area.- 68.3 square miles.

Records available.- May 1930 to September 1935.

Extremes.- Maximum discharge during year, 2,670 second-feet Jan. 4 (gage height, 9.20 feet); minimum, 17 second-feet Oct. 13, 14.
1930-35: Maximum discharge, 3,110 second-feet Dec. 24, 1931 (gage height, 9.99 feet); minimum, 10 second-feet Dec. 11, 1932.

Remarks.- Records good. No large diversions 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	20	45	38	110	216	1,220	303	208	50	32	25	22
2	19	28	34	89	224	936	283	206	48	32	24	22
3	18	28	33	78	216	598	462	181	46	31	24	22
4	18	37	32	1,230	212	462	710	165	44	31	24	22
5	18	28	31	921	218	352	662	157	42	30	24	22
6	19	24	30	352	245	559	662	152	42	30	25	22
7	19	23	29	352	318	567	1,560	145	42	30	24	23
8	20	22	28	537	290	392	2,060	136	41	30	24	23
9	18	22	28	646	237	298	1,140	128	41	29	24	23
10	18	22	28	630	196	243	727	120	41	29	24	22
11	18	22	27	420	167	222	537	114	40	27	24	23
12	18	22	27	276	150	222	434	107	39	27	24	23
13	17	22	39	378	140	262	365	100	38	27	23	22
14	17	27	104	744	140	352	339	94	38	27	23	23
15	18	190	105	326	124	365	598	90	38	27	24	26
16	18	62	88	257	112	313	662	86	37	27	24	25
17	21	62	90	226	103	269	582	84	36	27	24	24
18	21	285	78	210	97	241	477	80	36	26	24	23
19	20	331	66	176	93	214	406	75	35	26	24	23
20	20	110	58	145	97	200	365	70	34	26	23	22
21	25	71	51	120	101	200	339	67	34	26	23	22
22	36	58	47	107	96	190	298	65	33	27	23	22
23	25	102	43	100	103	264	264	62	32	26	22	22
24	21	115	40	104	99	216	234	60	32	26	25	22
25	20	82	38	136	93	212	212	59	32	26	23	22
26	20	65	38	181	86	234	200	57	32	25	23	22
27	20	53	104	204	120	283	192	55	32	25	24	22
28	20	46	107	214	802	278	188	54	32	25	24	22
29	20	41	97	212	-	283	232	53	32	25	24	22
30	20	38	175	212	-	308	230	55	32	25	24	22
31	32	-	147	212	-	318	-	53	-	25	23	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	634	36	17	20.5	1,260
November	2,083	331	22	69.4	4,130
December	1,880	175	27	60.6	3,730
Calendar year 1934	22,248	1,280	15	61.0	44,200
January	9,905	1,230	78	320	19,650
February	5,095	802	86	182	10,110
March	11,073	1,220	190	357	21,960
April	15,723	2,060	188	524	31,190
May	3,138	208	53	101	6,220
June	1,131	50	32	37.7	2,240
July	852	32	25	27.5	1,690
August	737	25	22	23.8	1,460
September	677	26	22	22.6	1,340
Water year 1934-35	52,928	2,060	17	145	105,000

Stony Creek above Stony Gorge Reservoir, Calif.

Location.- Water-stage recorder, lat. 39°30'5", long. 122°31', in sec. 15, T. 19 N., R. 6 W., 700 feet downstream from road bridge and 6 miles south of Stony Gorge Dam.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge during year ending Sept. 30, 1935, 2,810 second-feet Mar. 6 (gage height, 5.73 feet); minimum, 8.5 second-feet Oct. 1-4.
1933-35: Maximum discharge, 3,820 second-feet Dec. 30, 1933 (gage height, 6.43 feet); minimum, 2.4 second-feet Aug. 22, Sept. 8, 1934.

Remarks.- Records good. Gage-height record and results of several discharge measurements furnished by E. A. Garland, water master for Stony Creek and tributaries.

Rating table, water years 1933-35 (gage height, in feet, and discharge, in second-feet)

1.0	0	2.0	37	3.0	290	4.5	1,290
1.2	.8	2.2	63	3.3	425	5.0	1,940
1.4	4	2.4	102	3.6	590	5.5	2,470
1.6	10	2.6	152	3.9	780	6.0	3,160
1.8	20	2.8	212	4.2	1,010	6.5	3,900

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	-	41	22	2,360	23	286	202	81	40	9	371	7
2	-	31	24	1,190	21	216	180	87	32	9.5	371	6.5
3	-	27	40	774	20	174	160	81	30	7.5	371	6
4	-	25	37	536	20	119	147	77	33	6.5	371	5.5
5	-	23	30	366	20	94	134	72	39	9	380	6
6	-	24	27	265	24	74	121	70	47	9	384	4.8
7	-	24	26	218	39	58	112	70	51	8	380	3.2
8	-	24	26	174	124	51	107	68	48	9.5	380	3.4
9	-	23	26	136	67	147	102	60	41	9.5	380	6.5
10	-	22	28	116	51	136	92	56	41	9.5	240	6.5
11	-	22	27	98	41	54	87	48	40	9.5	15	6.5
12	-	21	270	89	35	41	85	44	37	25	11	22
13	-	21	702	85	29	36	86	47	37	340	9.5	371
14	-	21	344	79	26	34	86	48	34	358	8.5	376
15	-	21	196	112	130	34	83	46	32	371	8.5	376
16	-	21	139	77	244	33	79	44	30	371	9	371
17	-	21	102	68	177	30	72	41	27	371	9	366
18	-	21	92	62	149	30	68	40	24	271	8	362
19	-	21	119	57	308	28	70	40	21	371	8	362
20	-	21	180	70	326	28	70	45	18	362	7.5	371
21	-	22	142	62	209	28	70	45	18	366	6	366
22	-	21	112	56	216	31	81	41	18	376	3.6	366
23	-	21	107	41	578	57	102	39	18	380	3.0	371
24	-	21	98	40	620	62	112	38	18	380	3.0	371
25	-	21	89	36	435	65	96	47	21	371	2.6	353
26	-	21	81	32	1,080	68	89	50	20	371	2.6	25
27	-	21	76	29	650	100	83	50	21	371	3.0	12
28	-	22	74	26	492	209	77	46	19	371	3.2	11
29	11	22	1,390	24	-	420	74	41	16	371	6	10
30	26	22	2,040	24	-	286	72	44	11	371	6	9
31	81	-	978	24	-	234	-	46	-	371	6.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	689	41	21	23.0	1,370
December	7,642	2,040	22	247	15,160
Calendar year 1933					
January	7,324	2,360	24	236	14,530
February	6,154	1,080	20	220	12,210
March	3,263	420	28	105	6,470
April	2,997	202	68	99.9	5,940
May	1,652	87	38	53.3	3,280
June	882	51	11	29.4	1,750
July	7,135.5	380	6.5	230	14,150
August	3,767.5	384	2.6	122	7,470
September	4,932.9	376	3.2	164	9,780
The period 1933-34					92,110

Stony Creek above Stony Gorge Reservoir, Calif.

(Continued)

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	8.5	56	77	37	202	1,220	398	380	131	44	18	335
2	8.5	35	70	34	216	801	398	371	131	41	15	335
3	8.5	34	65	32	219	542	702	348	126	40	15	335
4	8.5	76	60	687	269	440	843	330	121	40	19	326
5	9	46	58	548	330	362	801	330	114	45	20	326
6	9.5	38	54	226	371	934	708	344	109	45	20	326
7	10	33	52	226	445	794	1,230	362	114	46	16	322
8	9.5	30	50	290	384	475	1,960	371	131	46	16	322
9	30	28	47	756	380	380	1,340	376	104	41	15	326
10	335	26	47	938	317	322	1,060	366	98	40	13	326
11	358	25	47	398	277	290	836	344	89	39	14	330
12	358	25	46	234	256	277	722	317	83	35	14	191
13	371	25	56	514	244	304	676	290	79	31	14	25
14	353	32	112	864	216	384	689	289	77	27	14	21
15	173	206	83	265	196	389	1,340	244	74	27	16	22
16	18	112	85	269	180	371	1,170	234	68	24	16	25
17	17	150	121	177	169	376	986	223	65	21	26	22
18	14	446	74	136	169	371	822	202	52	21	330	22
19	13	479	60	104	166	344	632	183	47	21	340	22
20	14	190	54	77	136	330	578	174	50	20	335	21
21	14	126	47	65	79	308	548	180	52	26	335	19
22	19	109	44	57	67	290	492	196	51	30	353	18
23	18	180	39	52	65	286	440	206	48	28	348	19
24	16	166	36	70	63	265	407	199	46	24	340	16
25	14	131	34	112	52	261	384	183	44	23	348	15
26	13	131	32	144	47	317	376	174	44	23	348	15
27	13	116	35	166	57	335	371	172	44	24	340	14
28	13	102	30	169	645	340	376	160	45	24	340	15
29	13	89	26	169	-	344	398	152	45	23	335	18
30	13	81	32	216	-	366	394	144	45	21	335	19
31	35	-	41	209	-	389	-	139	-	20	335	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,307.0	371	8.5	74.4	4,580
November	3,323	479	25	111	6,590
December	1,714	121	26	55.3	3,400
Calendar year 1934	45,451.9	2,360	2.6	125	90,150
January	8,241	938	32	266	16,350
February	6,217	645	47	222	12,330
March	13,207	1,220	261	426	26,210
April	22,077	1,960	371	736	43,790
May	7,963	380	139	257	15,790
June	2,327	131	44	77.6	4,620
July	960	46	20	31.0	1,900
August	5,043	353	13	163	10,000
September	4,148	335	14	138	8,230
Water year 1934-35	77,527.0	1,960	8.5	212	153,800

Butte Creek near Chico, Calif.

Location.- Water-stage recorder, lat. 39° 44', long. 121°42', in sec. 25, T. 22 N., R. 2 E., half a mile below junction with Little Butte Creek and 7½ miles east of Chico. Altitude, about 350 feet.

Drainage area.- 148 square miles.

Records available.- November 1930 to September 1935.

Extremes.- Maximum discharge during year, 5,360 second-feet Apr. 7 (gage height, 8.87 feet); minimum, 48 second-feet Oct. 3.
1930-35: Maximum discharge, that of Apr. 7, 1935; minimum discharge recorded, 36 second-feet some time in September 1931.

Remarks.- Records good. Butte Creek above this station receives considerable water from West Branch of Feather River via De Sabla and Centerville power plants. Pacific Gas & Electric Co. has furnished the following record of this flow for 1934-35:

Month	Mean discharge in second-feet	Run-off in acre-feet
October	29	1,780
November	41	2,440
December	46	2,830
January	32	1,970
February	22	1,220
March	67	4,120
April	70	4,170
May	75	4,610
June	68	4,050
July	43	2,640
August	32	1,970
September	40	2,380
The year	47.1	34,180

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	78	202	163	218	323	1,420	683	970	450	160	112	88
2	78	139	139	202	341	1,140	688	940	430	179	110	94
3	76	145	137	170	348	815	1,280	882	418	179	108	92
4	78	165	133	1,450	356	708	1,610	855	410	160	112	100
5	79	125	131	1,170	405	610	1,450	882	410	193	102	102
6	79	111	121	610	494	1,020	1,450	940	375	176	108	96
7	82	103	113	624	629	1,050	3,580	970	363	182	110	92
8	84	99	125	760	576	771	4,120	910	352	155	112	84
9	90	95	117	842	481	629	2,210	970	345	171	114	100
10	84	94	117	870	413	525	1,570	882	328	148	108	100
11	79	92	117	629	376	494	1,300	882	310	145	102	109
12	81	90	117	490	352	455	1,200	828	300	158	121	104
13	81	92	154	581	348	530	1,090	800	292	130	104	104
14	81	111	319	1,110	326	600	1,090	775	282	133	108	100
15	82	557	295	624	298	591	1,940	750	275	135	109	102
16	99	215	246	534	278	544	1,810	725	272	138	104	122
17	101	210	243	498	265	512	1,450	700	255	124	111	98
18	88	508	221	468	265	490	1,280	675	245	138	92	107
19	97	529	204	372	272	459	1,230	645	232	121	109	102
20	95	278	194	285	295	459	1,230	645	238	119	109	102
21	138	218	186	252	305	438	1,230	655	222	108	104	100
22	175	191	183	238	348	459	1,120	655	235	114	94	86
23	123	296	175	226	376	600	1,000	660	216	112	76	104
24	111	288	168	229	356	516	970	625	202	112	64	102
25	111	235	152	252	337	494	970	586	204	110	62	100
26	117	213	158	281	326	516	970	591	202	108	65	94
27	105	188	288	292	364	557	970	573	202	112	64	96
28	107	156	240	295	908	534	1,000	532	152	93	74	94
29	105	150	232	295	-	591	1,230	514	130	117	109	92
30	105	150	312	312	-	648	1,120	486	128	117	104	100
31	171	-	262	312	-	658	-	454	-	112	100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,060	175	76	98.7	6,070
November	6,045	557	90	202	11,990
December	5,760	319	113	186	11,420
Calendar year 1934	76,770	2,100	64	210	152,200
January	15,491	1,450	170	500	30,730
February	10,761	908	265	384	21,340
March	19,863	1,420	438	641	39,400
April	42,821	4,120	883	1,427	84,930
May	22,957	970	454	741	45,530
June	8,475	450	128	282	16,810
July	4,259	193	93	137	8,450
August	3,081	121	62	99.4	6,110
September	2,966	122	84	98.9	5,880
Water year 1934-35	145,539	4,120	62	399	288,700

Lake Almanor at Prattville, Calif.

Location.- Staff gage, lat. 40°13', long. 121°10', in NW¼ sec. 11, T. 27 N., R. 7 E., at intake to Butt Valley Tunnel at Prattville, 5 miles northwest of Almanor Dam.

Records available.- October 1930 to September 1935.

Remarks.- Lake Almanor on North Fork of Feather River is main storage unit of Feather River system of Pacific Gas & Electric Co. Elevation of crest of dam, 4,515 feet above mean sea level. Water is diverted by tunnel to Butt Valley Reservoir, and a small amount is released at Almanor Dam down natural channel of North Fork of Feather River. (See North Fork of Feather River near Prattville, Calif.) On Sept. 30, 1934, the storage in Butt Valley Reservoir was 40,354 acre-feet; on Sept. 30, 1935, it was 49,338 acre-feet. Table shows contents available for release at dam; storage above 15,660 acre-feet may be diverted through Butt Valley Tunnel. Record of daily contents furnished by Pacific Gas & Electric 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	319,699	298,831	298,674	303,088	326,178	356,158	392,190	463,455	519,185	503,847	463,267	398,723
2	318,409	297,888	299,303	302,298	327,154	357,509	393,599	466,275	519,977	502,676	461,204	397,130
3	317,604	297,260	299,932	301,982	327,805	358,693	396,776	468,915	519,581	501,701	459,331	395,010
4	318,087	296,163	301,035	302,614	328,620	359,539	399,609	471,372	520,968	500,727	457,089	392,718
5	318,731	295,067	301,824	302,772	329,436	360,696	401,738	473,644	521,762	499,366	454,852	390,256
6	319,376	294,129	302,930	301,824	330,253	362,254	403,516	476,302	520,968	498,200	452,806	388,152
7	320,183	293,348	303,562	301,509	331,561	363,956	405,654	479,920	520,176	496,647	450,763	386,576
8	320,829	292,411	304,195	300,563	332,544	365,832	410,300	483,359	520,770	495,098	448,539	385,353
9	321,476	291,321	304,829	299,932	333,856	367,028	413,708	485,082	521,563	493,937	446,320	383,956
10	321,961	290,231	305,621	300,247	334,841	368,397	415,686	486,809	521,563	492,971	444,289	382,562
11	320,829	289,299	306,732	301,193	335,992	369,768	418,028	487,961	521,365	492,005	442,446	381,170
12	319,538	288,213	307,845	302,140	336,816	370,971	420,013	488,923	520,176	490,848	440,606	379,607
13	318,409	287,128	309,118	303,088	337,805	372,346	421,640	489,885	519,185	489,500	438,769	377,699
14	317,282	286,045	310,553	305,463	339,126	373,380	423,631	490,463	518,987	488,346	436,566	375,969
15	316,157	288,989	311,671	306,732	340,283	374,587	428,534	490,078	518,394	486,809	434,189	374,587
16	314,552	288,213	312,790	308,481	341,277	375,623	432,179	491,234	517,801	486,425	431,996	373,725
17	312,470	287,438	313,751	309,756	342,105	376,661	433,457	494,130	517,208	485,466	429,808	373,035
18	311,351	287,283	312,950	311,351	342,769	377,526	434,554	497,035	516,220	484,124	427,624	371,658
19	310,075	287,748	312,150	313,270	343,433	378,393	435,469	499,754	515,628	482,976	425,081	370,283
20	308,959	287,128	311,511	314,552	344,597	379,260	436,751	502,286	515,233	481,447	422,544	369,082
21	308,322	287,903	310,394	315,675	345,763	380,475	438,402	503,457	514,641	479,920	419,832	368,054
22	307,686	288,678	309,437	316,639	346,596	381,692	439,503	504,433	513,853	478,395	417,667	366,886
23	306,891	290,542	308,322	317,765	347,764	383,085	440,606	505,411	512,668	476,873	415,866	365,661
24	305,939	291,788	307,209	318,893	348,767	384,305	442,999	506,585	511,097	475,732	414,607	364,297
25	304,670	293,035	306,415	319,860	349,771	385,353	445,212	507,564	510,115	474,403	412,990	363,275
26	303,562	294,129	305,304	320,668	350,776	387,101	447,429	508,937	509,133	473,076	410,859	361,745
27	302,456	295,380	304,987	321,476	351,783	387,628	450,207	510,901	508,153	471,750	408,511	360,217
28	301,351	296,163	304,829	322,284	353,631	388,152	453,178	513,459	506,977	470,426	406,011	358,862
29	300,247	296,947	304,512	323,418	-	389,028	456,716	514,444	506,194	468,537	404,050	357,340
30	299,146	297,988	304,512	324,229	-	390,256	460,829	516,220	505,215	466,840	401,916	355,820
31	298,674	-	303,879	325,203	-	391,135	-	517,998	-	465,146	400,318	-

Note.- Contents on Sept. 30, 1934, was 320,829 acre-feet.

North Fork of Feather River near Prattville, Calif.

Location.- Discharge obtained by combining flow released through Lake Almanor Dam and discharge of diversion tunnel from Lake Almanor to Butt Valley Reservoir. Dam is 5 miles southeast of Prattville and 9 miles above mouth of Butt Creek.

Drainage area.- 507 square miles.

Records available.- March 1914 to September 1935; June 1905 to March 1914, staff gage or recorder on the river near site of Almanor Dam.

Average discharge.- 29 years (1905-10, 1911-35), 867 second-feet.

Extremes.- 1905-35: Maximum discharge, 10,000 second-feet Mar. 19, 1907 (gage height, 16.2 feet at river gage, previous to dam construction); no flow Apr. 15, 16, 1914, parts of January to April 1919, Apr. 21, 1923.

Remarks.- Daily-discharge record furnished by Pacific Gas & Electric Co. See Lake Almanor at Prattville, Calif., for storage record.

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	896	906	21	900	32	24	203	1,000	1,000	928	1,230	995
2	758	909	21	905	32	24	203	1,000	1,280	930	1,230	1,560
3	27	907	23	908	32	24	222	1,010	495	931	1,240	1,610
4	27	901	24	902	34	24	283	1,010	955	934	1,230	1,420
5	27	902	23	894	37	24	493	972	1,870	938	1,230	1,410
6	26	904	22	896	42	24	498	919	1,560	938	1,240	1,000
7	25	900	21	903	39	24	503	877	1,010	940	1,230	997
8	26	901	24	901	37	24	503	1,130	1,010	940	1,230	998
9	71	902	24	718	37	24	924	1,890	1,380	941	1,230	1,200
10	895	902	24	31	38	24	1,030	1,880	1,460	942	1,240	1,130
11	901	899	24	30	38	24	1,040	1,880	1,530	946	1,350	997
12	902	896	23	33	37	24	1,040	1,850	1,210	947	1,490	997
13	901	897	17	31	37	24	1,040	1,860	930	948	1,290	1,000
14	899	880	18	31	33	24	1,040	1,870	926	950	1,450	999
15	959	888	15	30	38	24	1,200	1,040	931	951	1,500	995
16	1,400	892	21	29	35	25	1,770	487	927	958	1,450	996
17	892	891	841	29	36	25	1,850	487	929	966	1,450	996
18	902	888	889	29	35	25	1,860	487	930	966	1,560	996
19	902	873	892	32	36	25	1,840	625	928	973	1,460	998
20	901	56	893	27	36	25	1,860	1,350	928	970	1,410	999
21	902	23	892	31	35	25	1,850	1,400	926	970	1,240	999
22	898	17	892	31	38	25	1,490	1,400	1,230	970	1,230	998
23	900	11	892	31	33	25	1,000	1,410	1,110	970	987	997
24	901	16	892	31	31	25	1,000	1,400	928	968	987	998
25	902	18	890	31	29	25	1,000	1,270	927	970	1,740	998
26	903	19	891	31	33	30	1,000	506	929	971	1,640	999
27	904	20	891	31	30	42	1,010	477	926	965	1,620	999
28	904	22	894	31	34	65	1,000	935	928	1,220	1,620	999
29	904	21	895	31	-	102	1,000	1,000	922	1,240	1,400	994
30	902	22	895	31	-	120	1,000	997	914	1,240	993	994
31	904	-	895	31	-	171	-	997	-	1,240	993	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	22,261	1,400	25	718	44,150
November	17,283	909	11	576	34,280
December	13,679	895	15	441	27,130
Calendar year 1934	191,356	1,400	11	524	379,500
January	8,600	908	27	277	17,060
February	984	42	29	35.1	1,950
March	1,140	171	24	36.8	2,260
April	30,752	1,860	203	1,025	61,000
May	35,416	1,890	477	1,142	70,250
June	31,939	1,870	495	1,065	63,350
July	30,661	1,240	928	989	60,820
August	41,190	1,740	987	1,329	81,700
September	32,258	1,610	994	1,075	63,980
Water year 1934-35	266,163	1,890	11	729	527,900

Note.- Beginning Jan. 1, 1931, records were computed to midnight. Notes to the contrary in 1933 and 1934 reports are in error.

North Fork of Feather River at Big Bar, Calif.

Location.- Water-stage recorder, lat. 39°48', long. 121°27', in SW¼ sec. 32, T. 23 N., R. 5 E., a quarter of a mile above Big Bar and 7 miles above intake of power plant at Big Bend. Zero of gage is 1,348.96 feet above mean sea level.

Drainage area.- 1,934 square miles.

Records available.- February 1911 to August 1930, October 1931 to September 1935.

Average discharge.- 21 years (1911-12, 1913-20, 1921-30, 1931-35), 2,385 second-feet.

Extremes.- 1911-30, 1931-35: Maximum mean daily discharge, 35,000 second-feet Jan. 1, 1914; minimum mean daily discharge, 235 second-feet Oct. 31, 1932.

Remarks.- Storage and diversions above station (see records for Lake Almanor and Bucks Creek storage reservoir). Record of daily discharge furnished by Pacific Gas & Electric 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	1,180	1,440	932	1,680	1,210	2,190	4,150	8,000	5,300	1,750	1,840	1,400
2	1,260	1,410	1,010	1,710	1,260	2,140	4,720	7,440	4,900	1,640	1,840	1,410
3	1,240	1,470	1,130	1,690	1,320	2,000	7,060	7,000	4,750	1,490	1,730	1,840
4	1,250	1,530	1,470	2,240	1,440	2,040	5,660	6,860	4,080	1,470	1,680	2,070
5	1,260	1,460	1,410	3,250	1,640	1,880	6,160	6,760	4,950	1,500	1,780	1,930
6	1,260	1,410	1,230	2,490	2,030	1,850	7,050	7,060	5,930	1,470	1,790	1,880
7	1,260	1,410	1,480	2,630	2,510	2,010	4,870	7,500	6,100	1,600	1,730	1,490
8	1,260	1,410	1,160	2,870	2,500	1,910	1,540	7,500	5,000	1,670	1,780	1,370
9	1,260	1,550	1,030	2,780	2,290	1,830	3,790	8,100	4,640	1,680	1,740	1,370
10	1,260	1,450	1,380	2,110	1,980	1,540	5,790	8,000	5,000	1,640	1,710	1,580
11	1,260	1,360	1,500	2,020	1,830	1,570	7,440	7,850	5,000	1,640	1,640	1,620
12	1,270	1,370	1,520	1,620	1,810	1,600	7,560	7,550	4,050	1,590	1,890	1,440
13	1,270	1,500	1,400	1,440	1,640	1,770	7,720	7,400	3,600	1,460	2,100	1,370
14	1,270	1,730	1,800	1,740	1,550	2,060	7,300	7,250	3,160	1,440	1,910	1,380
15	1,340	2,830	1,170	1,580	1,440	2,420	4,370	6,160	2,960	1,500	2,020	1,420
16	1,460	1,850	1,070	1,620	1,340	2,380	3,720	6,280	2,770	1,540	2,040	1,420
17	1,910	1,810	1,140	1,600	1,250	2,150	4,480	5,100	2,740	1,570	1,930	1,470
18	1,320	2,180	1,160	1,650	1,260	1,990	5,510	5,100	2,680	1,530	1,900	1,500
19	1,290	1,700	800	1,470	1,330	2,060	6,000	4,880	2,590	1,600	2,150	1,470
20	1,300	1,300	820	1,330	1,370	2,010	5,580	5,500	2,440	1,460	2,090	1,460
21	1,470	1,140	842	1,290	1,550	2,120	5,160	5,580	2,070	1,470	2,040	1,360
22	1,400	1,260	912	1,550	1,600	1,960	5,690	5,660	1,910	1,530	1,910	1,380
23	1,390	1,370	952	1,610	1,730	1,950	6,680	5,800	1,590	1,530	1,860	1,440
24	1,320	1,070	985	1,460	1,690	1,820	7,560	5,660	1,820	1,570	1,640	1,470
25	1,310	985	950	1,440	1,580	1,770	7,540	6,000	1,550	1,560	1,460	1,460
26	1,250	950	840	1,130	1,420	1,950	7,500	6,060	1,950	1,560	2,160	1,470
27	1,300	966	795	1,100	1,390	2,240	7,480	5,600	1,950	1,510	2,090	1,460
28	1,290	922	1,140	1,300	1,710	2,210	8,430	5,300	1,880	1,490	2,120	1,360
29	1,290	859	1,570	1,300	-	2,610	7,180	5,250	1,840	1,710	2,060	1,360
30	1,290	874	1,750	1,180	-	3,100	7,700	4,930	1,740	1,880	1,940	1,390
31	1,420	-	1,720	1,180	-	3,660	-	5,000	-	1,860	1,460	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	40,910	1,910	1,180	1,320	81,140
November	42,566	2,830	859	1,419	84,430
December	37,068	1,800	795	1,196	73,520
Calendar year 1934	552,784	5,700	795	1,514	1,097,000
January	54,060	3,250	1,100	1,744	107,200
February	45,670	2,510	1,210	1,631	90,590
March	64,790	3,660	1,540	2,090	128,500
April	181,690	8,430	1,840	6,056	360,400
May	198,150	8,100	4,880	6,392	393,000
June	100,940	6,100	1,550	3,365	200,200
July	48,910	1,880	1,440	1,578	97,010
August	58,080	2,160	1,460	1,874	115,200
September	45,060	2,070	1,360	1,502	89,380
Water year 1934-35	917,894	8,430	795	2,515	1,821,000

Feather River near Oroville, Calif.

Location.- Water-stage recorder, lat. 39°32', long 121°29', in NE¼ sec. 2, T. 19 N., R. 4 E., 2 miles below junction of North and Middle Forks and 3 miles northeast of Oroville. Altitude, about 150 feet.

Drainage area.- 3,611 square miles.

Records available.- October 1934 to September 1935 at present site; January 1902 to September 1934, comparable record at Oroville, 3 miles downstream.

Average discharge.- 33 years, 5,926 second-feet.

Extremes.- Maximum discharge during year, 58,600 second-feet Apr. 8 (gage height, 47.0 feet); minimum, 462 second-feet Dec. 10 (gage height, 3.55 feet).
1902-35: Maximum discharge, 211,000 second-feet Mar. 26, 1928 (gage height, 26.08 feet, former site and datum); minimum (estimated), 300 second-feet (regulated) on Nov. 9, 1931 (gage height, -1.7 feet, former site and datum).

Remarks.- Records excellent. Lake Almanor, Bucks, Butt Valley, and other storage reservoirs, and three large power plants above station; also small diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,230	2,030	1,350	2,560	2,640	7,180	8,530	16,200	9,630	2,650	2,100	1,570
2	1,340	1,850	1,360	2,360	2,840	6,380	9,740	14,600	9,090	2,420	2,100	1,520
3	1,260	1,900	1,290	2,330	2,960	5,020	17,100	14,000	8,910	2,260	2,100	1,930
4	1,290	2,130	1,840	8,200	3,130	4,880	24,600	13,800	8,550	2,200	1,980	2,260
5	1,290	2,010	1,800	10,500	3,320	4,380	22,500	14,200	9,180	2,200	1,980	2,100
6	1,280	1,740	1,480	5,560	4,310	5,770	19,400	15,200	10,100	2,150	2,100	2,040
7	1,220	1,620	1,750	5,230	5,910	7,560	32,600	16,400	10,200	2,260	2,100	1,670
8	1,280	1,590	1,520	6,370	5,670	5,190	51,300	16,500	8,730	2,320	2,040	1,470
9	1,290	1,700	1,230	6,690	5,060	4,440	34,300	17,300	7,960	2,260	2,100	1,470
10	1,280	1,690	1,430	6,450	4,350	4,040	24,600	16,300	7,880	2,200	2,100	1,720
11	1,340	1,490	1,790	4,520	4,340	3,780	19,200	15,900	7,880	2,200	1,930	1,770
12	1,330	1,460	1,790	3,900	3,820	3,390	17,400	15,000	6,880	2,150	2,040	1,620
13	1,270	1,560	1,870	3,240	3,720	3,960	16,800	14,100	6,130	2,100	2,200	1,470
14	1,280	1,720	4,080	4,950	3,650	4,530	17,200	13,800	5,430	1,980	2,200	1,470
15	1,260	4,070	3,620	3,800	3,240	5,170	27,500	12,600	5,010	1,930	2,200	1,620
16	1,500	3,310	2,510	3,880	3,000	4,930	29,800	12,600	4,620	1,980	2,200	1,670
17	1,940	2,550	2,320	3,640	2,700	4,670	25,900	11,000	4,620	2,040	2,150	1,570
18	1,540	3,550	2,250	3,410	2,970	4,690	21,900	10,800	4,360	1,980	2,040	1,670
19	1,370	4,530	2,050	3,070	2,800	4,430	20,300	10,400	4,230	1,980	2,150	1,620
20	1,390	2,550	1,980	2,850	3,020	4,270	20,800	11,700	4,040	1,930	2,200	1,570
21	1,530	1,880	1,930	2,660	3,270	4,390	21,800	11,800	3,610	1,820	2,200	1,570
22	1,970	1,800	1,760	2,840	3,410	4,350	20,800	12,400	3,550	1,820	2,100	1,470
23	1,580	2,510	1,450	2,960	3,790	4,270	18,700	12,800	2,890	1,880	2,100	1,520
24	1,550	2,620	1,300	2,720	3,420	3,960	16,800	11,900	3,010	1,880	1,770	1,720
25	1,410	1,730	1,430	2,650	3,470	4,160	16,000	12,200	2,830	1,880	1,620	1,570
26	1,360	1,570	1,520	2,540	3,230	4,160	16,100	12,500	3,010	1,880	2,100	1,670
27	1,420	1,410	2,750	2,400	3,040	4,470	16,400	11,600	3,010	1,770	2,420	1,570
28	1,410	1,360	2,350	2,380	4,510	4,880	17,400	10,900	2,890	1,770	2,200	1,570
29	1,370	1,120	2,300	2,620	-	5,220	19,800	10,400	2,890	1,880	2,260	1,520
30	1,380	1,250	3,330	2,640	-	6,150	18,900	9,540	2,710	2,150	2,100	1,470
31	1,560	-	2,890	2,550	-	7,380	-	9,180	-	2,150	1,770	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	43,540	1,970	1,220	1,405	86,360
November	62,300	4,530	1,120	2,077	123,600
December	62,320	4,080	1,230	2,010	123,600
Calendar year 1934	923,450	15,000	1,120	2,530	1,830,000
January	122,490	10,500	2,330	3,951	243,000
February	101,590	5,910	2,640	3,628	201,500
March	152,050	7,560	3,390	4,905	301,600
April	644,170	51,300	8,530	21,470	1,278,000
May	407,620	17,300	9,180	13,150	808,500
June	173,830	10,200	2,710	5,794	344,800
July	64,070	2,650	1,770	2,067	127,100
August	64,650	2,420	1,620	2,085	128,200
September	49,450	2,260	1,470	1,648	98,080
Water year 1934-35	1,948,080	51,300	1,120	5,337	3,864,000

Feather River at Nicolaus, Calif.

Location.- Water-stage recorder, lat. 38°54', long. 121°35'5", 0.4 mile downstream from highway bridge at Nicolaus, Sutter County. Gage set to datum of Corps of Engineers, U. S. Army.

Records available.- June 1921 to October 1935 (low-water records only). Gage-height record for high-water periods in years 1920-21, 1926-35, published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1935, 646 second-feet Sept. 4 (gage height, 21.62 feet).
1921-35: No flow Aug. 2-16, 1924, July 11-22, 24, 26, Aug. 1, 1931.

Remarks.- Records good. Large diversions above station by Western Canal, Sutter Butte Canal, and others; also, many storage reservoirs and power plants.

Discharge, in second-feet, 1934-35

Day	Oct.								July	Aug.	Sept.	Oct.
1	1,010								*2,700	985	1,170	1,670
2	1,040								2,520	1,020	822	1,850
3	1,040								2,220	1,090	708	1,900
4	1,040								2,030	1,170	690	1,940
5	1,010								1,900	1,130	1,170	1,940
6	1,040								1,800	950	1,330	1,940
7	1,010								1,760	985	1,250	1,850
8	978								1,670	1,090	1,170	1,900
9	915								1,670	1,130	880	1,980
10	945								1,620	1,090	867	2,030
11	978								1,580	1,130	867	2,030
12	978								1,540	1,060	1,020	1,980
13	978								1,450	950	1,020	2,080
14	945								1,410	1,060	950	2,170
15	978								1,290	1,170	915	2,220
16	915								1,170	1,250	1,020	2,620
17	978								1,090	1,250	1,170	2,720
18	1,220								1,090	1,290	1,170	2,470
19	1,340								1,020	1,210	1,170	2,220
20	1,120								985	1,090	1,250	2,120
21	1,120								1,060	1,210	1,250	1,980
22	1,180								985	1,250	1,330	1,940
23	1,420								915	1,250	1,330	1,940
24	1,380								915	1,170	1,370	1,900
25	1,300								915	1,130	1,540	1,980
26	1,260								915	880	1,580	1,800
27	1,220								915	867	1,580	1,760
28	1,180								880	1,370	1,580	1,720
29	1,220								874	1,370	1,620	1,800
30	1,180								796	1,330	1,540	1,850
31	1,220								880	1,290	-	1,900

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	34,138	1,420	915	1,101	67,710
1935					
July	42,565	*2,700	796	1,373	84,430
August	35,217	1,370	867	1,136	69,850
September	35,329	1,620	690	1,178	70,070
October	62,200	2,720	1,670	2,006	123,400
The period					347,800

*Estimated.

Indian Creek near Crescent Mills, Calif.

Location.- Water-stage recorder, lat. 40°05', long. 120°56', in SW¼ sec. 25, T. 26 N., R. 9 E., 0.8 mile above Dixie Creek and about 1½ miles below Crescent Mills. Altitude, about 3,500 feet.

Drainage area.- 746 square miles.

Records available.- October 1930 to September 1935; January 1906 to December 1909, September 1911 to March 1918, staff gage at site 500 feet upstream.

Average discharge.- 14 years (1906-9, 1911-17, 1930-35), 509 second-feet.

Extremes.- Maximum discharge during year, 5,580 second-feet Apr. 8 (gage height, 10.93 feet); minimum, 2.0 second-feet Sept. 6.
1906-9, 1911-18, 1930-35: Maximum discharge, about 11,700 second-feet Mar. 19, 1907 (gage height, 20.2 feet, former site and datum); minimum, 1.7 second-feet Aug. 25, 1931.

Remarks.- Records good. Diversions for irrigation in Indian and Genesee Valleys.

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	6.5	36	77	81	191	469	1,340	2,450	925	56	12	3.0
2	6.5	36	73	67	213	505	1,730	2,120	793	60	12	3.2
3	6	36	66	64	239	465	2,180	1,860	718	63	11	3.0
4	6	39	64	177	278	443	3,310	1,710	670	61	10	2.9
5	5.5	39	64	446	331	397	3,400	1,650	648	58	10	2.4
6	6	37	61	518	394	368	2,740	1,740	613	56	9.5	2.0
7	6	36	60	371	513	323	2,660	1,920	588	54	9.5	2.3
8	6.5	34	58	379	626	365	4,550	2,050	544	53	9	2.4
9	6.5	33	57	304	584	349	4,990	2,050	492	53	8.5	2.8
10	6.5	32	56	267	446	304	3,220	1,920	452	46	8	3.9
11	7.5	31	55	233	394	295	2,450	1,800	417	43	7.5	4.1
12	7.5	31	57	203	354	306	2,310	1,650	371	42	7	3.9
13	7	31	56	186	318	354	2,450	1,530	347	36	7.5	3.7
14	7	31	70	166	306	484	2,660	1,410	321	31	7	3.0
15	7	87	77	171	267	724	3,490	1,350	289	26	7	3.2
16	8	108	79	159	252	697	4,770	1,290	239	24	7.5	4.3
17	10	92	83	148	245	641	4,050	1,230	223	24	6.5	4.5
18	11	118	85	147	239	621	3,220	1,170	199	22	7	4.7
19	22	162	80	128	241	530	2,900	1,090	176	20	7	4.7
20	16	134	79	118	262	473	3,140	1,060	161	19	7.5	4.5
21	17	117	75	113	357	518	3,490	1,040	145	18	7	4.7
22	22	104	74	111	362	457	3,580	1,060	132	16	6.5	5.5
23	22	106	71	118	432	432	2,980	1,090	92	14	6.5	5.5
24	20	108	68	128	415	426	2,590	1,090	91	13	6	5.5
25	24	101	66	135	344	412	2,380	1,060	89	12	3.9	6
26	27	92	65	140	321	446	2,310	1,040	86	12	2.4	6.5
27	24	92	87	145	304	476	2,380	1,040	81	11	2.3	6.5
28	23	91	108	150	344	535	2,380	1,010	72	11	2.4	6.5
29	23	86	104	154	-	598	2,590	925	70	11	2.4	7.5
30	22	81	103	164	-	740	2,820	952	64	12	3.0	8
31	27	-	99	178	-	1,010	-	980	-	12	3.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	416.0	27	5.5	13.4	825
November	2,161	162	31	72.0	4,290
December	2,277	108	55	73.5	4,520
Calendar year 1934	39,909.0	984	2.6	109	79,210
January	5,869	518	64	189	11,640
February	9,572	626	191	342	18,990
March	15,163	1,010	295	489	30,080
April	89,060	4,990	1,340	2,969	176,600
May	44,337	2,450	925	1,430	87,940
June	10,108	925	64	337	20,050
July	989	63	11	31.9	1,960
August	216.4	12	2.3	6.98	429
September	130.7	8	2.0	4.36	259
Water year 1934-35	180,299.1	4,990	2.0	494	357,600

Spanish Creek at Keddie, Calif.

Location.- Water-stage recorder, lat. 40°05", long. 120°57'20", in NE¼ sec. 27, T. 25 N., R. 9 E., 200 feet above Blackhawk Creek and 0.9 mile southeast of Keddie. Altitude, about 3,250 feet. Prior to October 1933 staff gage 250 feet below highway bridge at Keddie. Altitude, about 3,200 feet.

Drainage area.- 184 square miles (196 square miles at former location).

Records available.- October 1933 to September 1935; October 1911 to September 1933 at staff gage 1.2 miles downstream.

Average discharge.- 20 years (1911-19, 1921-33) at former site, 230 second-feet.

Extremes.- Maximum discharge during water year October 1933 to September 1934, 1,820 second-feet Jan. 1 (gage height, 5.14 feet); minimum, 3.8 second-feet Aug. 12.
Maximum discharge during water year October 1934 to September 1935, 4,900 second-feet Apr. 8 (gage height, 7.75 feet); minimum, 6.5 second-feet Sept. 4.
1911-35: Maximum discharge, about 11,000 second-feet Mar. 26, 1928 (gage height, 15.5 feet, former site and datum); minimum, that of Aug. 12, 1934.

Remarks.- Records good. Water diverted above station for irrigation in American Valley.

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	16	90	33	1,280	102	306	*300	177	47	14	6	5
2	16	64	34	691	100	265	*250	137	42	14	6	4.9
3	16	58	60	440	100	254	206	128	42	13	6	4.9
4	15	50	62	334	99	237	177	117	40	12	6	4.9
5	15	47	50	258	105	233	168	105	42	12	6	5
6	16	44	47	203	120	226	154	96	54	12	6	4.8
7	16	44	45	168	157	203	146	89	59	14	6	4.6
8	16	41	45	144	326	180	142	84	50	15	6	4.6
9	16	40	43	131	247	168	135	80	42	16	7	4.6
10	16	40	44	122	180	168	126	76	39	15	7.5	4.8
11	17	39	44	113	152	163	119	71	40	14	4.6	4.9
12	17	37	295	108	133	166	115	66	32	13	4.2	5.5
13	18	37	653	103	122	166	113	62	33	11	4.0	5.5
14	18	37	269	100	*115	163	113	56	35	11	4.6	5.5
15	18	38	168	122	*110	160	106	51	33	9	4.8	5.5
16	18	37	115	106	*130	160	105	49	29	8	4.8	5.5
17	20	37	93	100	*125	154	100	46	27	8	4.4	6
18	20	37	92	96	*115	144	95	42	24	9	4.3	6.5
19	20	37	86	98	*220	146	89	37	21	10	4.3	6.5
20	20	38	92	122	*350	142	84	33	21	9	4.3	8
21	22	38	93	108	*300	139	81	31	20	9	4.4	8
22	21	37	88	102	*320	137	82	28	19	9	4.6	7.5
23	21	37	83	108	*500	137	102	24	18	*9	4.3	11
24	21	37	80	152	*400	139	117	24	17	*9	4.3	13
25	20	37	77	128	*300	146	108	28	16	*9	4.3	14
26	20	36	76	119	418	144	95	46	20	9.5	4.4	14
27	20	37	74	111	422	137	85	54	21	9	4.9	13
28	20	37	73	110	354	271	79	44	20	9	5	13
29	27	35	500	108	-	750	76	42	16	8	5	13
30	152	33	762	106	-	418	90	45	15	7.5	5	13
31	174	-	593	103	-	371	-	42	-	7	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	862	174	15	27.8	1,710
November	1,256	90	33	41.9	2,490
December	4,869	762	33	157	9,660
Calendar year					
January	6,094	1,280	96	197	12,090
February	6,122	*500	99	219	12,140
March	6,593	750	137	213	13,080
April	3,758	*300	76	125	7,450
May	2,012	177	24	64.9	3,990
June	934	59	15	31.1	1,850
July	334.0	16	7	10.8	662
August	158.0	7.5	4.0	5.10	313
September	227.0	14	4.6	7.57	450
Water year 1933-34	33,219	1,280	4.0	91.0	65,880

*Estimated.

Spanish Creek at Keddie, Calif.

(Continued)

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

0.6	2.8	1.4	27	2.6	174	4.6	1,320	7.5	4,510
.7	4.0	1.6	39	2.8	240	5.0	1,680	8.0	5,160
.8	6	1.8	53	3.0	314	5.5	2,170	8.5	5,810
.9	8	2.0	70	3.4	490	6.0	2,720	9.0	6,500
1.0	11	2.2	92	3.8	*730	6.5	3,300		
1.2	18	2.4	124	4.2	1,000	7.0	3,900		

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	63	64	67	124	379	698	*960	350	63	21	11
2	14	50	59	60	139	330	678	*860	338	60	20	10
3	14	50	56	59	157	299	1,690	*730	330	55	19	9.5
4	14	65	55	384	177	284	2,120	*665	326	53	18	13
5	14	55	53	704	226	230	1,540	*605	322	51	18	12
6	14	46	52	314	362	206	1,240	*665	310	52	19	12
7	13	41	50	244	436	206	2,050	*795	303	52	16	13
8	13	39	49	306	388	206	3,640	*860	276	51	18	14
9	13	37	49	230	314	180	1,640	*860	244	51	16	12
10	12	37	48	180	244	163	1,040	*795	223	49	13	12
11	13	35	47	152	213	160	860	*700	203	47	11	12
12	13	34	48	137	193	190	847	*650	190	46	12	13
13	14	33	52	126	174	254	834	*605	174	44	11	12
14	14	34	78	119	168	338	965	*575	160	42	10	15
15	15	178	84	115	144	362	2,180	563	146	40	9.5	16
16	18	100	78	113	135	306	1,970	545	135	38	9.5	17
17	27	81	80	111	131	280	1,040	506	120	37	10	18
18	26	159	72	108	137	276	*980	470	113	35	10	15
19	26	251	69	95	149	240	*930	460	108	29	9	15
20	24	126	66	98	180	240	*1,000	470	102	27	9.5	16
21	28	93	66	93	244	254	*1,080	501	96	26	9.5	16
22	52	82	65	92	226	213	*1,160	545	92	27	10	17
23	38	103	63	96	269	220	*930	545	88	28	10	16
24	33	106	61	98	226	206	*825	490	82	26	8.5	17
25	30	86	60	98	187	209	*795	480	81	24	7.5	18
26	28	79	61	99	168	226	*760	490	77	22	7.5	20
27	28	74	95	99	160	284	*795	470	70	21	8	19
28	27	69	86	100	272	310	*860	436	67	22	9	18
29	27	66	79	105	-	367	*960	414	66	23	10	18
30	27	64	80	111	-	480	*1,120	418	63	23	11	18
31	36	-	78	117	-	635	-	358	-	22	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	678	52	12	21.9	1,340
November	2,336	251	33	77.9	4,630
December	2,003	95	47	64.6	3,970
Calendar year 1934	31,249	1,280	4.0	85.6	61,960
January	4,830	704	59	156	9,580
February	5,943	436	124	212	11,790
March	8,533	635	160	275	16,920
April	37,227	3,640	678	1,241	73,840
May	18,486	*960	358	596	36,670
June	5,255	350	63	175	10,420
July	1,186	63	21	38.3	2,350
August	384.5	21	7.5	12.4	763
September	444.5	20	9.5	14.8	882
Water year 1934-35	87,306.0	3,640	7.5	239	173,200

*Estimated.

Bucks Creek storage reservoir near Bucks ranch, Calif.

Location.- Water-stage recorder, lat. 39°54', long. 121°12', in NW¼ sec. 33, T. 24 N., R. 7 E., at dam on Bucks Creek, 2 miles northwest of former Bucks ranch and 15 miles west of Quincy.

Drainage area.- 28 square miles.

Records available.- October 1928 to September 1935.

Remarks.- This reservoir is main storage unit of Grizzly Creek project of Pacific Gas & Electric Co. Elevation of crest of dam is 5,168 feet above mean sea level. Released water flows down Bucks Creek to diversion dam, where it enters tunnel which discharges into Grizzly Creek. Table shows total contents, of which 274 acre-feet is not available for release. Record of daily contents furnished by Pacific Gas & Electric 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	62,922	62,645	66,131	68,674	73,763	76,059	75,894	79,381	100,651	102,567	101,835	95,344
2	62,922	62,922	66,210	68,674	73,845	76,307	75,730	79,883	101,107	102,567	101,835	95,344
3	62,922	63,077	66,290	68,753	73,926	76,556	75,730	80,386	101,471	102,567	101,744	95,344
4	62,922	63,155	66,290	69,312	74,007	76,803	75,730	80,974	102,008	102,476	101,380	95,076
5	62,922	63,155	66,290	69,875	74,089	76,803	75,483	81,564	102,843	102,476	100,925	94,720
6	62,922	63,155	66,290	70,116	74,252	76,803	75,401	82,239	103,484	102,476	100,560	94,366
7	62,922	63,233	66,290	70,518	74,334	77,052	75,566	83,087	103,944	102,388	100,196	94,100
8	62,922	63,311	66,290	70,679	74,416	77,134	76,225	84,022	104,220	102,388	100,105	94,100
9	62,922	63,389	66,369	70,920	74,416	77,134	76,225	84,876	104,220	102,388	100,014	94,100
10	62,922	63,467	66,369	71,082	74,416	77,217	76,142	85,647	104,313	102,293	99,924	94,100
11	62,922	63,545	66,448	71,163	74,498	77,383	75,976	86,506	104,313	102,293	99,924	93,835
12	62,922	63,545	66,448	71,244	74,498	77,383	75,976	87,453	104,220	102,293	99,743	93,658
13	62,922	63,545	66,607	71,325	74,580	77,383	75,812	88,232	103,944	102,201	99,382	93,658
14	62,922	63,545	67,003	71,730	74,580	77,300	75,648	89,013	103,852	102,201	99,020	93,392
15	62,922	64,403	67,161	71,811	74,580	77,383	75,894	89,882	103,852	102,201	98,659	93,215
16	62,922	64,481	67,240	71,892	74,745	77,300	76,059	90,755	103,759	102,201	98,118	93,127
17	62,613	64,559	67,320	72,378	74,909	77,217	76,059	91,456	103,667	102,201	97,938	93,038
18	62,149	64,794	67,320	72,540	75,073	77,217	75,976	92,247	103,576	102,109	97,938	93,038
19	62,149	65,187	67,399	72,621	75,237	77,217	75,976	93,216	103,488	102,109	97,938	92,774
20	62,149	65,266	67,399	72,784	75,319	77,217	75,976	94,100	103,392	102,109	97,669	92,598
21	62,304	65,266	67,478	72,865	75,401	77,217	75,976	95,076	103,209	102,018	97,490	92,598
22	62,381	65,424	67,558	72,947	75,484	77,134	75,976	95,700	103,117	102,018	97,131	92,598
23	62,458	65,581	67,558	73,028	75,566	77,134	75,812	96,413	103,026	101,926	96,861	92,598
24	62,458	65,660	67,637	73,110	75,566	77,052	75,648	96,861	102,934	101,926	96,682	92,598
25	62,458	65,738	67,637	73,273	75,648	76,969	75,566	97,400	102,934	101,926	96,413	92,247
26	62,458	65,738	67,716	73,355	75,730	76,886	75,894	98,118	102,843	101,835	96,235	91,983
27	62,458	65,895	68,035	73,518	75,730	76,721	76,638	98,659	102,751	101,835	95,967	91,719
28	62,458	66,053	68,194	73,600	75,894	76,721	77,383	99,201	102,751	101,835	95,700	91,632
29	62,458	66,053	68,274	73,681	-	76,390	78,214	99,743	102,659	101,835	95,433	91,632
30	62,458	66,131	68,514	73,763	-	76,225	78,963	100,105	102,659	101,835	95,433	91,632
31	62,768	-	68,594	73,763	-	76,059	-	100,287	-	101,835	95,433	-

Note.- Contents on Sept. 30, 1934, was 62,922 acre-feet.

Grizzly Creek near Storrie, Calif.

Location.- Water-stage recorder, lat. 39°52', long. 121°14', in SW¼ (revised) sec. 5, T. 23 N., R. 7 E., about 2,000 feet above outlet of tunnel from Bucks Creek and 6 miles southeast of Storrie. Altitude, about 4,900 feet.

Records available.- December 1929 to September 1932, October 1933 to September 1935.

Extremes.- Maximum discharge during year, 396 second-feet Apr. 7 (gage height, 3.68 feet); minimum (estimated), 0.3 second-foot Oct. 1-5.
1929-32, 1933-35: Maximum discharge (estimated), 1,000 second-feet Dec. 12, 1929 (gage height, 4.85 feet); minimum, 0.1 second-foot Sept. 7-14, 1932.

Remarks.- Records fair. Discharge estimated Oct. 1-16, Dec. 27 to Jan. 3, Jan. 13-24, Feb. 23 to Mar. 5, Mar. 7-10, 21-23, 25, 27-31. No diversions or regulation above station. Gage-height record furnished by Pacific Gas & Electric Co.

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

0.7	0	1.3	1.8	1.9	31	3.0	188
.8	.1	1.4	4.0	2.0	39	3.2	238
.9	.2	1.5	7.5	2.2	59	3.4	296
1.0	.3	1.6	12	2.4	82	3.6	366
1.1	.5	1.7	17	2.6	111	3.7	404
1.2	.8	1.8	24	2.8	146		

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	0.3	8.5	11	12	10	16	31	89	130	8.5	1.1	0.6
2	.3	6	10	11	10	14	39	88	133	7.5	1.1	.6
3	.3	6	8.5	10	12	14	154	93	132	7	1.1	.6
4	.3	16	8	98	12	13	104	106	132	7	1.2	.6
5	.3	10	8	55	16	12	76	132	125	6.5	1.2	.6
6	.4	6.5	7.5	34	28	12	70	162	114	6.5	1.3	.6
7	.9	5	7	28	29	12	226	173	96	6	1.3	.7
8	.9	4.0	7	23	25	12	235	156	76	6	1.3	.7
9	.9	3.3	7	21	20	12	120	146	66	6	1.4	.7
10	.9	2.7	7	16	18	12	82	148	62	5.5	1.4	.7
11	.8	2.5	7	15	16	12	76	148	59	5	1.4	.7
12	.8	2.5	7	14	16	12	67	141	53	4.7	1.3	.7
13	.7	2.2	19	14	15	12	68	137	45	4.0	1.3	.7
14	.7	12	99	14	14	14	104	146	37	3.8	1.2	.7
15	.7	112	49	13	14	14	198	146	33	3.6	1.3	.8
16	.9	18	27	13	14	14	128	137	30	3.1	1.3	.8
17	1.1	14	20	12	14	14	96	148	28	2.9	1.2	.7
18	.9	15	16	12	14	14	83	142	26	2.2	1.1	.6
19	.7	20	14	11	14	13	95	158	23	1.8	1.1	.6
20	.7	14	14	11	16	13	111	184	21	1.7	1.0	.6
21	12	13	14	10	15	12	111	193	19	1.6	1.0	.6
22	3.8	15	14	10	14	12	88	205	16	1.6	.8	.6
23	1.7	23	13	9	14	11	88	188	15	1.5	.8	.6
24	1.3	16	11	9	13	11	92	175	14	1.4	.7	.6
25	1.2	14	11	9	12	12	99	186	12	1.4	.7	.6
26	1.1	15	11	9	12	12	108	190	11	1.3	.7	.5
27	1.0	12	19	9.5	11	13	135	168	11	1.3	.7	.5
28	.8	11	17	9.5	10	14	144	154	10	1.3	.7	.5
29	.8	10	15	9.5	-	16	188	132	9.5	1.2	.7	.5
30	.8	11	14	9.5	-	20	113	106	9	1.2	.7	.5
31	8.5	-	13	9.5	-	26	-	116	-	1.1	.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	46.5	12	0.3	1.50	92
November	420.2	112	2.2	14.0	833
December	505.0	99	7	16.3	1,000
Calendar year 1934	5,843.3	290	.2	16.0	11,580
January	540.5	98	9	17.4	1,070
February	428	29	10	15.3	849
March	420	26	11	13.5	833
April	3,329	235	31	111	6,600
May	4,591	205	88	148	9,110
June	1,547.5	133	9	51.6	3,070
July	114.2	8.5	1.1	3.68	227
August	32.7	1.4	.6	1.05	65
September	18.8	.8	.5	.63	37
Water year 1934-35	11,993.4	235	.3	32.9	23,790

West Branch of Feather River near Yankee Hill, Calif.

Location.- Water-stage recorder, lat. 39°42', long. 121°34', in SW¼ sec. 5, T. 21 N., R. 4 E., at highway bridge 1.4 miles below Concow Creek and 2 miles west of Yankee Hill. Altitude, about 1,100 feet.

Drainage area.- 145 square miles.

Records available.- September 1930 to September 1935.

Extremes.- Maximum discharge during year, 7,300 second-feet Apr. 7 (gage height, 16.10 feet); minimum, 4.4 second-feet Sept. 29, 30.
1930-35: Maximum discharge, that of Apr. 7, 1935; minimum, 3.1 second-feet Oct. 4, 1931.

Remarks.- Records excellent. Three canals divert water above the station for power and irrigation. Lake Wilenor on Concow Creek has storage capacity of about 8,000 acre-feet. (See records for Spring Valley Ditch and Butte Creek.)

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	78	77	106	264	1,190	460	1,070	616	69	6.5	7.5
2	8	39	43	84	282	821	497	970	659	37	6.5	7.5
3	9	49	34	72	282	536	1,660	931	659	29	6.5	7.5
4	8.5	63	35	1,230	292	436	1,980	931	674	29	6	7
5	8	42	29	1,020	335	357	1,550	1,050	674	26	6.5	6
6	8	31	29	412	436	589	1,430	1,150	659	25	6.5	6
7	9	24	24	486	588	856	4,560	1,190	630	23	6.5	6
8	9	12	22	588	523	575	4,470	1,190	549	22	6.5	6
9	9	10	22	616	424	412	2,180	1,150	472	20	7	6
10	8.5	9	22	720	357	335	1,550	1,070	424	17	6.5	6
11	8	9	25	472	324	302	1,310	1,070	424	15	6.5	6
12	8	9	24	324	292	313	1,190	990	390	14	6.5	6
13	8	9	45	357	282	357	1,050	931	282	13	6.5	5.5
14	8	22	504	753	282	401	1,110	931	256	11	6.5	6
15	8	662	302	424	256	390	2,290	931	216	10	7	8.5
16	8	115	158	412	238	346	1,930	912	196	9.5	7.5	8.5
17	10	82	141	368	227	324	1,510	856	186	8.5	8	7
18	11	407	94	302	227	282	1,270	821	170	8	8.5	6
19	10	337	79	256	238	256	1,270	856	157	7.5	8	5
20	9.5	122	74	247	256	219	1,310	931	140	7.5	8	5.5
21	21	76	71	224	273	228	1,350	1,010	155	7.5	7.5	5.5
22	86	73	66	211	214	209	1,190	1,050	146	7.5	7.5	6
23	24	243	58	230	219	302	990	1,030	129	7.5	42	6
24	11	188	51	216	192	292	990	912	106	7.5	36	6
25	8	124	47	203	186	282	970	912	89	7.5	28	6
26	7.5	112	54	238	174	302	1,050	970	82	7	27	5.5
27	7.5	65	227	247	183	346	1,190	893	73	6.5	24	5
28	7.5	54	135	238	518	335	1,190	804	113	6.5	16	4.9
29	7.5	51	121	238	-	357	1,590	770	137	6.5	7.5	4.4
30	7.5	75	230	238	-	412	1,310	630	124	6.5	7.5	4.6
31	24	-	148	238	-	460	-	575	-	6.5	7.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	385.0	86	7.5	12.4	764
November	3,192	662	9	106	6,330
December	2,991	504	22	96.5	5,930
Calendar year 1934	54,468.5	2,290	7	149	108,000
January	11,770	1,230	72	380	23,350
February	8,364	588	174	299	16,590
March	12,822	1,190	209	414	25,430
April	46,417	4,580	460	1,547	92,070
May	29,487	1,190	575	951	58,490
June	9,589	674	73	320	19,020
July	478.0	69	6.5	15.4	948
August	348.5	42	6	11.2	691
September	183.4	8.5	4.4	6.11	364
Water year 1934-35	126,026.9	4,580	4.4	345	250,000

Concow Creek near Yankee Hill, Calif.

Location.- Water-stage recorder, lat. 39°46', long. 121°32', in NE¼ sec. 16, T. 22 N., R. 4 E., at diversion dam for Spring Valley Ditch 300 feet below Lake Wilenor Dam and 4 miles north of Yankee Hill post office. Altitude, about 1,850 feet.

Drainage area.- 14.7 square miles.

Records available.- October 1927 to September 1935.

Extremes.- Maximum discharge during year, 745 second-feet Apr. 7 (gage height, 2.55 feet); no flow most of year.
1927-35: Maximum discharge, 1,840 second-feet Mar. 26, 1928 (gage height, 5.9 feet); no flow many months each year.

Remarks.- Records good for low stages and fair for high stages. On Sept. 30, 1934, storage in Lake Wilenor above station was 3,400 acre-feet, and on Sept. 30, 1935, it was 3,580 acre-feet. For total flow, add that of Spring Valley Ditch, which diverts water around station (see next page). Gage-height record furnished by Table Mountain and Thermalito Irrigation Districts.

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

0.1	0	.8	102	1.5	334	2.2	602
.2	2	.9	130	1.6	370	2.3	642
.3	8	1.0	160	1.7	408	2.4	682
.4	19	1.1	192	1.8	446	2.5	724
.5	35	1.2	226	1.9	484	2.6	766
.6	55	1.3	262	2.0	522		
.7	77	1.4	298	2.1	562		

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	35	202	29	39				
2				0	29	145	29	13				
3				0	22	82	82	0				
4				0	19	64	136	0				
5				0	19	51	100	0				
6				0	24	75	105	0				
7				0	30	124	533	0				
8				0	30	84	437	0				
9				0	29	64	195	0				
10				102	27	51	130	0				
11				90	21	47	108	0				
12				64	17	53	53	0				
13				64	19	66	17	0				
14				139	22	68	43	0				
15				82	25	82	122	0				
16				84	21	84	110	0				
17				80	15	84	84	0				
18				68	14	52	66	0				
19				57	5.5	24	37	0				
20				45	0	.6	33	0				
21				37	0	.6	33	0				
22				40	0	9	32	0				
23				68	8.5	45	30	0				
24				33	19	51	12	0				
25				25	19	55	1.4	0				
26				47	17	59	0	0				
27				47	17	57	0	0				
28				41	32	49	0	0				
29				35	-	36	7.5	0				
30				32	-	29	39	0				
31				29	-	30	-	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	1,702.3	89	0	4.66	3,370
January	1,309	139	0	42.2	2,600
February	536.0	35	0	19.1	1,060
March	1,923.2	202	.6	62.0	3,810
April	2,603.9	533	0	86.8	5,160
May	52	39	0	1.68	103
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	6,424.1	533	0	17.6	12,730

Note.- No flow during months left blank.

Spring Valley Ditch near Yankee Hill, Calif.

Location.- Water-stage recorder, lat. 39°46', long. 121°32', in NE¼ sec. 16, T. 22 N., R. 4 E., just below diversion dam and 4 miles north of Yankee Hill post office. Altitude, about 1,970 feet.

Records available.- October 1927 to September 1935.

Extremes.- Maximum mean daily discharge during year, 33 second-feet Aug. 14-16; no flow Jan. 24 to Feb. 9, Feb. 12-18, Apr. 13, 14, 16-24.
1927-35: Maximum mean daily discharge, 49 second-feet Oct. 25-27, 1928; no flow for long periods each year.

Remarks.- Records good except those for Feb. 24 to Mar. 28, which are fair and were estimated. Canal diverts from left bank of Concow Creek 300 feet below Lake Wilenor Reservoir; water used for power and irrigation. Gage-height record and results of several discharge measurements furnished by Table Mountain and Thermalito Irrigation Districts.

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	11	0.3	0.e	0		0.1	0.6	9	13	25	29
2	17	11	.3	.8	0		.1	1e	8	9.5	25	31
3	17	11	.3	.8	0		.2	13	7.5	7	25	31
4	17	11	.3	1.e	0		.1	2.5	5.5	6	24	31
5	19	11	.4	1.3	0		.2	2.0	3.9	6	25	31
6	21	11	.5	1.0	0		.2	3.7	3.6	7	25	31
7	21	7.5	.5	1.4	0		1.0	4.1	3.8	7.5	25	31
e	21	.3	.5	1.3	0		.7	3.3	3.7	7.5	25	31
9	21	.2	.5	1.4	0		.2	3.3	3.e	10	25	31
10	18	.2	.5	.5	.1		.2	3.2	3.7	11	27	31
11	20	.2	.5	.3	.1		.1	3.0	2.7	10	28	31
12	22	.2	.5	.2	0		.1	2.7	2.3	11	29	31
13	22	.2	.8	.2	0		0	2.1	2.3	11	32	31
14	22	.4	1.0	.4	0		0	1.9	2.3	11	33	31
15	22	.4	.8	.3	0	0.1	.1	2.1	2.2	11	33	31
16	22	.3	.8	.2	0		0	3.2	2.4	11	33	29
17	22	.4	.7	.2	0		0	5.5	2.3	15	30	27
18	18	.8	.6	.2	0		0	8	2.3	21	29	27
19	16	.5	.6	.2	10		0	9	3.3	24	29	29
20	16	.4	.6	.2	23		0	8.5	5	24	29	30
21	17	.3	.6	.2	22		0	8	4.6	24	29	30
22	13	.3	.5	.1	21		0	9.5	4.0	22	29	29
23	5	.4	.5	.1	12		0	9.5	3.9	20	29	31
24	.9	.3	.5	0	.1		0	9.5	3.9	20	29	32
25	11	.3	.5	0	.1		1.9	10	7	20	30	32
26	11	.3	.8	0	.1		3.5	10	12	21	30	31
27	11	.3	.9	0	.1		3.3	10	14	23	30	31
28	11	.3	.8	0	.1		3.3	9	15	25	30	31
29	11	.3	1.0	0	-	3.2	1.7	9	15	25	29	31
30	11	.3	1.1	0	-	.2	.7	9	15	25	29	31
31	11	-	1.0	0	-	.2	-	9.5	-	25	29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	511	22	5	16.5	1,010
November	81.1	11	.2	2.70	161
December	19.2	1.1	.3	.62	38
Calendar year 1934	3,196.5	41	0	8.76	6,340
January	13.9	1.8	0	.45	28
February	88.7	23	0	3.17	176
March	6.4	3.2	.1	.21	13
April	17.7	3.5	0	.59	35
May	202.7	18	.6	6.54	402
June	174.0	15	2.2	5.80	345
July	483.5	25	6	15.6	959
August	879	33	24	28.4	1,740
September	914	32	27	30.5	1,810
Water year 1934-35	3,391.2	33	0	9.29	6,720

Middle Fork of Feather River near Clio, Calif.

Location.- Water-stage recorder, lat. 39°45', long. 120°36', in E½ (revised) sec. 23, T. 22 N., R. 12 E., 0.3 mile (revised) above Frazier Creek and 1½ miles northwest of Clio. Altitude, about 4,350 feet (revised).

Drainage area.- 699 square miles.

Records available.- October 1925 to September 1935.

Average discharge.- 10 years, 182 second-feet.

Extremes.- Maximum discharge during year, 5,650 second-feet Apr. 9 (gage height, 9.93 feet); minimum, 9.5 second-feet Aug. 24.
1925-35: Maximum discharge, 11,000 second-feet Mar. 26, 1928 (gage height, 12.0 feet); minimum, 4.3 second-feet Sept. 5, 1934.

Remarks.- Records good except those for Feb. 10 to Apr. 5, which are fair and were estimated on basis of records for station on Indian Creek. Stage-discharge relation affected by ice Feb. 10-28. Numerous small irrigation diversions 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	11	43	58	38	64		1,000	1,060	236	24	12	13
2	11	26	53	44	69		1,300	990	232	23	13	13
3	11	29	47	42	80		1,800	922	217	21	14	14
4	11	35	40	59	85		2,700	880	228	19	14	14
5	11	24	36	172	95		2,700	860	236	19	14	14
6	11	20	34	113	124		2,160	860	232	19	14	14
7	12	20	33	88	171		2,200	840	205	19	14	14
8	12	19	32	78	172		4,080	762	163	18	14	14
9	12	19	31	85	167		4,900	710	144	16	14	14
10	12	18	30	77			2,580	640	131	16	13	14
11	12	18	31	74			1,550	605	111	15	14	14
12	11	18	32	72			1,310	553	108	14	14	13
13	12	18	34	68			1,280	504	98	14	14	12
14	12	18	48	69			1,400	472	89	16	13	13
15	13	97	50	71			2,200	440	80	15	14	14
16	13	54	57	62			2,430	374	71	14	14	14
17	21	38	62	57			2,580	343	92	15	14	13
18	19	61	55	54	110		1,830	317	76	15	14	13
19	19	136	53	55			1,520	299	63	14	11	13
20	17	64	53	52			1,520	285	55	14	11	14
21	30	42	52	46			1,580	276	50	14	12	14
22	37	38	52	46			1,460	262	46	14	11	13
23	17	50	50	45			1,340	280	44	14	10	14
24	15	93	48	44			1,280	280	42	14	10	14
25	15	85	45	44			1,180	276	36	14	11	14
26	15	74	42	45			1,130	280	32	14	12	14
27	15	73	40	45			1,080	282	28	14	13	14
28	15	73	43	45			1,160	271	27	13	14	14
29	15	69	43	49	-		1,340	258	26	14	14	14
30	15	61	40	56	-		1,180	256	24	14	13	14
31	27	-	35	57	-		-	256	-	14	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	479	37	11	15.5	950
November	1,433	136	18	47.8	2,840
December	1,359	62	30	43.8	2,700
Calendar year 1934	26,718.1	708	4.3	73.2	52,910
January	1,952	172	38	63.0	3,870
February	3,117	-	-	111	6,180
March	4,960	-	-	160	9,840
April	55,770	4,900	1,000	1,859	110,600
May	15,693	1,060	256	506	31,130
June	3,222	236	24	107	6,390
July	493	24	13	15.9	978
August	402	14	10	13.0	797
September	410	14	12	13.7	813
Water year 1934-35	89,290	4,900	10	245	177,100

Middle Fork of Feather River at Bidwell Bar, Calif.

Location.- Water-stage recorder, lat. 39°33', long. 121°26', in NW¼ sec. 32, T. 20 N., R. 5 E., at highway bridge at Bidwell Bar, 2 miles above junction with North Fork and 7 miles northeast of Oroville. Altitude, about 290 feet.

Drainage area.- 1,353 square miles.

Records available.- October 1911 to September 1935.

Average discharge.- 24 years, 1,641 second-feet.

Extremes.- Maximum discharge during year, 25,500 second-feet Apr. 8 (gage height, 14.20 feet); minimum, 130 second-feet Oct. 14, 15.
1911-35: Maximum discharge, about 100,000 second-feet Mar. 26, 1928 (gage height, 22.8 feet); minimum, 90 second-feet Aug. 27, 1931.

Remarks.- Records excellent. Reservoirs and diversions above station are comparatively small.

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

1.5	89	3.6	774	6.0	2,620	10	9,500	17	44,500
1.7	117	4.0	975	6.5	3,230	11	12,100	19	62,000
2.0	177	4.4	1,210	7.0	3,900	12	15,400	21	81,500
2.4	282	4.8	1,480	7.5	4,650	13	19,600	23	102,500
2.8	422	5.2	1,810	8	5,470	14	24,400		
3.2	590	5.6	2,190	9	7,320	15	30,100		

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	139	377	517	590	1,060	2,560	4,040	6,550	3,420	774	295	195
2	137	399	450	517	1,120	2,140	4,650	6,000	3,420	750	288	191
3	135	411	411	487	1,180	1,860	9,490	5,640	3,420	712	282	188
4	135	517	388	2,740	1,270	1,860	11,200	5,640	3,360	689	279	186
5	135	491	370	4,220	1,410	1,640	10,200	5,820	3,420	666	273	184
6	135	362	348	2,040	1,900	2,090	8,360	6,550	3,360	648	270	182
7	141	285	334	1,860	2,580	2,510	13,300	7,120	3,230	621	267	202
8	143	249	328	2,140	2,290	1,990	21,400	7,320	2,920	603	264	202
9	143	230	321	2,140	1,990	1,680	14,600	7,120	2,510	581	258	186
10	139	218	317	1,940	1,720	1,480	10,500	6,550	2,290	559	252	184
11	137	210	314	1,440	1,600	1,410	7,920	6,360	2,190	538	244	182
12	135	202	314	1,240	1,520	1,410	6,930	6,000	2,140	512	238	182
13	133	198	373	1,150	1,520	1,560	6,550	5,470	1,940	491	233	177
14	131	246	1,320	1,440	1,480	1,810	6,930	5,300	1,760	470	228	179
15	133	1,460	1,440	1,520	1,340	2,090	11,800	5,300	1,640	462	225	200
16	137	920	1,000	1,270	1,240	1,900	11,800	5,130	1,480	450	226	202
17	162	675	895	1,180	1,210	1,900	10,200	4,810	1,440	434	228	191
18	182	1,030	750	1,120	1,210	1,900	8,580	4,650	1,410	418	225	184
19	175	1,600	657	1,000	1,210	1,610	7,720	4,490	1,360	407	225	177
20	168	1,000	608	975	1,300	1,760	8,140	4,810	1,270	392	220	175
21	212	708	577	920	1,440	1,810	8,360	4,970	1,210	377	212	173
22	434	621	550	870	1,440	1,640	7,720	5,300	1,150	370	212	170
23	295	846	525	846	1,560	1,720	6,930	5,470	1,120	362	210	168
24	222	846	500	846	1,520	1,800	6,740	5,130	1,080	359	205	166
25	198	698	475	870	1,440	1,520	6,360	4,970	975	352	202	168
26	193	616	496	895	1,380	1,600	6,550	5,130	920	338	200	168
27	188	559	948	895	1,340	1,880	6,930	4,970	895	328	200	170
28	186	517	694	920	1,810	2,040	7,520	4,650	870	321	205	166
29	179	483	643	920	-	2,290	9,020	4,190	822	314	230	164
30	166	475	870	975	-	2,680	8,140	3,830	798	311	215	166
31	218	-	726	1,000	-	3,360	-	3,420	-	301	200	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,368	434	131	173	10,650
November	17,449	1,600	198	582	34,610
December	18,459	1,440	314	595	36,610
Calendar year 1934	300,828	7,610	-	824	596,200
January	40,986	4,220	487	1,321	81,250
February	42,060	2,580	1,060	1,502	83,420
March	59,480	3,360	1,410	1,919	118,000
April	268,580	21,400	4,040	8,953	532,700
May	168,660	7,320	3,420	5,441	334,500
June	57,820	3,420	798	1,927	114,700
July	14,910	774	301	481	29,570
August	7,313	295	200	236	14,510
September	5,428	202	164	181	10,770
Water year 1934-35	706,493	21,400	131	1,936	1,401,000

South Fork of Feather River at Enterprise, Calif.

Location.- Water-stage recorder, lat. 39°32', long. 121°21', in SW¼ sec. 6, T. 19 N., R. 6 E., 0.8 mile above McCabe Creek and 1 mile above highway bridge at Enterprise. Altitude, about 550 feet.

Drainage area.- 134 square miles.

Records available.- September 1930 to September 1935; October 1911 to September 1930, staff gage half a mile downstream.

Average discharge.- 24 years, 275 second-feet.

Extremes.- Maximum discharge during year, 6,000 second-feet Apr. 8 (gage height, 12.80 feet); minimum, 1.0 second-foot Sept. 6.
1911-35: Maximum discharge, about 15,200 second-feet Mar. 26, 1928 (gage height, 16.0 feet, former site and datum); minimum, 0.2 second-foot Aug. 11, 1917.

Remarks.- Records good. Storage and irrigation diversions above station (see record for Palermo Canal).

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	2.8	34	54	70	184	605	464	1,160	501	49	1.2	1.2
2	2.8	22	44	60	197	479	524	990	486	46	1.2	1.2
3	2.8	29	38	54	204	384	1,590	922	458	43	1.2	1.1
4	2.8	59	35	774	230	360	1,840	900	432	40	1.2	1.1
5	2.9	51	34	736	266	310	1,560	968	432	37	1.2	1.1
6	2.8	25	30	372	372	391	1,280	1,080	419	35	1.2	1.0
7	3.1	16	28	323	572	524	2,860	1,160	382	32	1.2	1.1
8	3.1	13	27	436	540	423	4,340	1,200	341	29	1.2	1.2
9	2.9	11	26	450	436	346	2,460	1,200	288	26	1.2	1.2
10	2.9	10	28	423	384	307	1,660	1,100	254	24	1.2	1.2
11	2.9	9.5	24	296	334	292	1,330	1,080	236	22	1.1	1.2
12	2.9	8.5	24	226	305	292	1,180	990	232	19	1.1	1.2
13	2.8	7.5	32	190	301	310	1,080	922	198	17	1.1	1.2
14	2.6	14	203	262	292	343	1,160	900	177	14	1.1	1.3
15	2.6	186	262	215	254	348	2,380	878	170	12	1.1	2.9
16	2.8	109	160	222	240	321	2,320	832	154	10	1.2	2.4
17	4.7	76	134	211	226	307	1,780	810	152	8	1.2	2.0
18	5.5	178	101	204	220	301	1,460	790	155	6	1.2	1.7
19	4.4	233	86	181	224	281	1,330	770	139	4.8	1.2	1.6
20	3.4	117	76	197	230	299	1,330	790	109	4.0	1.3	1.4
21	4.7	82	69	179	238	327	1,360	832	101	3.7	1.3	1.4
22	39	64	63	168	234	292	1,230	878	95	3.7	1.2	1.4
23	15	113	59	162	248	318	1,100	878	90	3.6	1.2	1.4
24	14	108	54	162	234	301	1,060	810	84	2.8	1.2	1.6
25	8.5	73	50	165	217	283	1,010	810	75	2.1	1.2	1.6
26	2.9	61	56	171	206	294	1,060	810	69	1.9	1.2	1.6
27	2.8	54	124	170	200	329	1,100	770	63	1.5	1.2	1.6
28	2.6	48	65	170	354	334	1,230	710	59	1.4	1.2	1.6
29	2.8	44	81	168	-	358	1,660	654	55	1.4	1.3	1.6
30	2.9	42	110	173	-	410	1,430	600	52	1.3	1.2	1.5
31	6.5	-	89	176	-	450	-	516	-	1.2	1.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	165.2	39	2.6	5.33	328
November	1,897.5	233	7.5	63.2	3,760
December	2,286	262	24	73.7	4,530
Calendar year 1934	47,212.2	1,400	2.1	129	93,590
January	7,766	774	54	251	15,400
February	7,942	572	184	284	15,750
March	10,919	605	281	352	21,660
April	46,168	4,340	464	1,539	91,570
May	27,710	1,200	516	894	54,960
June	6,458	501	52	215	12,810
July	502.4	49	1.2	16.2	996
August	37.0	1.3	1.1	1.19	73
September	43.6	2.9	1.0	1.45	86
Water year 1934-35	111,894.7	4,340	1.0	306	221,900

Lost Creek near Clipper Mills, Calif.

Location.- Water-stage recorder, lat. 39°34', long. 121°09', in sec. 24, T. 20 N., R. 7 E., 1,000 feet below Lost Creek Dam and 2 miles north of Clipper Mills. Altitude, about 3,050 feet.

Drainage area.- 30.1 square miles.

Records available.- October 1927 to September 1935.

Extremes.- Maximum discharge during year, 1,460 second-feet Apr. 7 (gage height, 4.90 feet); minimum (estimated), 0.2 second-foot leakage when there is no release. 1927-35: Maximum discharge, 2,900 second-feet Mar. 28, 1928 (gage height, 6.10 feet); minimum (regulated), 0.1 second-foot at times 1931-34.

Remarks.- Records good except those estimated, Oct. 1 to Jan. 24, Mar. 11-16, 22, 23, Aug. 18 to Sept. 30. Storage in Lost Creek Reservoir above station was 1,300 acre-feet on Oct. 1, 1934, and 2,580 acre-feet on Sept. 30, 1935. (See record for Forbestown Ditch, which diverts water 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					66	137	166	338	73	5	0.9	
2					73	117	212	305	67	4.5	.7	
3					79	104	566	290	31	4.5	.5	
4					93	108	544	284	10	4.2	.4	
5					118	88	427	296	15	4.2	.3	
6					183	96	350	314	18	4.0	.9	
7					290	92	757	320	14	3.9	1.8	
8					224	84	947	320	14	3.7	1.6	
9					161	74	515	305	13	3.7	.3	
10				0.2	128	71	399	284	14	3.5	.2	
11					112	72	350	275	15	3.5	.2	
12					100	73	323	260	22	3.4	.2	
13					100	74	305	243	7	3.2	.2	
14					91	75	341	229	20	3.2	.2	
15					82	76	620	218	22	3.4	.2	
16					76	77	553	204	27	3.2	.2	
17					73	79	452	201	24	3.2	.2	
18					71	83	385	190	18	3.0	.2	
19				62	70	80	385	176	14	2.8	3.5	
20				75	74	87	385	176	14	2.7	5.5	
21				60	76	90	392	166	13	2.5	5.5	
22				54	76	85	357	163	11	2.5	5.5	
23				52	76	80	335	153	11	2.5	5.5	
24				50	70	76	332	137	9	2.3	5.5	
25				49	68	73	320	127	7.5	2.1	5.5	
26				49	60	76	335	119	7	1.9	5.5	
27				51	60	87	347	110	6.5	1.7	5.5	
28				54	100	91	364	98	6	1.6	5.5	
29				56	"	106	471	91	5.5	1.4	5.5	
30				59	"	134	410	89	5	1.3	5.5	
31				62	"	161	"	78	"	1.1	5.5	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.2	"	"	0.2	12
November	6.0	"	"	.2	12
December	6.2	"	"	.2	12
Calendar year 1934	9,044.5	318	.1	24.8	17,970
January	736.6	75	.2	23.8	1,460
February	2,850	290	60	102	5,650
March	2,806	161	71	90.5	5,570
April	12,645	947	166	422	25,080
May	6,559	338	78	212	13,010
June	533.5	73	5	17.8	1,060
July	93.7	5	1.1	3.02	186
August	78.7	5.5	.2	2.54	156
September	-	-	-	5.4	321
Water year 1934-35	26,482.9	947	.2	72.6	52,530

Forbestown Ditch near Clipper Mills, Calif.

Location.- Staff gage at Parshall flume, lat. 39°34', long. 121°9', in SW¼ sec. 24, T. 20 N., R. 7 E., 1,100 feet below Lost Creek Dam at mouth of tunnel outlet and 2 miles north of Clipper Mills.

Records available.- October 1927 to September 1935.

Extremes.- Maximum mean daily discharge during year, 39 second-feet Sept. 5, 6, 26, 27; minimum, 0.7 second-foot Mar. 1 to Apr. 30.
1927-35: Maximum mean daily discharge, 39 second-feet July 10-12, 1931, Sept. 5, 6, 26, 27, 1935; no flow at times.

Remarks.- Records good. Discharge estimated Mar. 31. Canal diverts from left bank of Lost Creek Reservoir. Water is used for irrigation in Oroville-Wyandotte irrigation district in Butte County.

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	37	29	21	10	6	0.7	0.7	4.6	21	34	36	38
2	37	29	21	10	6	.7	.7	4.6	21	34	36	38
3	36	29	21	11	4.8	.7	.7	4.6	21	34	36	38
4	37	29	27	11	4.8	.7	.7	4.6	21	34	36	38
5	37	29	27	11	4.8	.7	.7	4.6	22	34	36	39
6	38	28	27	5	4.8	.7	.7	4.6	25	34	35	39
7	37	28	27	5	4.8	.7	.7	4.6	25	34	36	38
8	38	27	27	5.5	4.8	.7	.7	14	25	34	36	38
9	37	29	26	5.5	4.8	.7	.7	14	25	34	37	38
10	37	29	26	5.5	4.8	.7	.7	14	25	34	37	38
11	38	28	27	5.5	4.8	.7	.7	14	25	34	37	38
12	37	27	27	5.5	4.8	.7	.7	14	25	34	37	38
13	37	24	26	5.5	4.8	.7	.7	14	25	34	37	37
14	37	21	26	6	4.8	.7	.7	14	25	34	37	37
15	36	24	27	6	4.8	.7	.7	14	25	34	37	38
16	36	24	27	6	4.8	.7	.7	14	25	34	37	38
17	27	16	16	6	4.8	.7	.7	14	31	34	37	37
18	32	17	16	6	8.5	.7	.7	14	34	34	38	37
19	32	18	17	6	12	.7	.7	14	34	34	38	37
20	32	18	18	6	12	.7	.7	14	34	36	38	37
21	33	19	18	6	12	.7	.7	17	34	36	38	37
22	33	19	18	6	12	.7	.7	21	34	36	38	38
23	33	21	18	6	12	.7	.7	21	34	36	38	38
24	32	13	18	6	12	.7	.7	21	34	36	38	38
25	34	13	18	6	16	.7	.7	21	34	36	38	38
26	34	13	18	6	16	.7	.7	21	34	35	38	39
27	33	14	19	6	16	.7	.7	21	34	35	37	39
28	32	17	19	6	16	.7	.7	21	34	35	38	38
29	30	17	19	6	-	.7	.7	21	34	35	38	38
30	29	18	10	6	-	.7	.7	21	34	35	38	38
31	27	-	10	6	-	.7	-	21	-	36	38	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,065	38	27	34.4	2,110
November	667	29	13	22.2	1,320
December	662	27	10	21.4	1,310
Calendar year 1934	8,721.6	38	0	23.9	17,290
January	204.0	11	5	6.58	405
February	228.5	16	4.8	8.16	453
March	21.7	.7	.7	.70	43
April	21.0	.7	.7	.70	42
May	441.2	21	4.6	14.2	875
June	854	34	21	28.5	1,690
July	1,073	36	34	34.6	2,130
August	1,151	38	35	37.1	2,280
September	1,137	39	37	37.9	2,260
Water year 1934-35	7,525.4	39	.7	20.6	14,920

Palermo Canal at Enterprise, Calif.

Location.- Water-stage recorder installed Oct. 21, 1934, lat. 39°32', long. 121°21', in SW¼ sec. 6, T. 19 N., R. 8 E., 400 feet below intake at diversion dam on South Fork of Feather River, 1 mile above McCabe Creek, and 1 mile southeast of Enterprise. Prior to Oct. 21, staff gage at same site or nearby.

Records available.- October 1911 to September 1935.

Average discharge.- 24 years, 19.3 second-feet.

Extremes.- Maximum mean daily discharge during year, 34 second-feet several days in June and July; no flow June 17-18.
1911-35: Maximum discharge recorded, 43 second-feet July 25, 1927; no flow during periods of every year.

Remarks.- Records excellent except those for Oct. 1-20, Nov. 22 to Jan. 12, June 3-22, which are good. Canal diverts from left bank of South Fork of Feather River 1 mile above Enterprise. Water is used for irrigation below Oroville.

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	21	10	14	14	16	16	8.5	22	31	30	27
2	11	18	10	14	14	16	16	9	25	31	30	27
3	12	18	10	14	14	16	18	9	32	32	29	28
4	12	20	9.5	16	14	15	18	9	31	32	28	28
5	12	19	9	14	14	15	18	11	31	32	28	28
6	12	17	8.5	12	15	15	18	14	31	32	28	28
7	12	16	14	12	16	16	20	15	33	32	27	28
8	14	15	14	12	16	16	5.5	15	33	32	27	28
9	14	15	14	12	16	15	.9	15	32	33	26	28
10	13	14	14	12	15	15	6	15	32	32	25	28
11	14	14	14	12	15	15	12	15	33	33	25	28
12	13	14	14	11	15	15	11	14	34	33	24	28
13	13	13	14	11	15	15	11	14	30	33	23	27
14	13	14	15	12	15	15	11	14	30	33	23	27
15	13	20	16	11	15	15	15	14	30	34	23	31
16	12	19	15	11	15	15	13	13	13	34	23	29
17	19	19	15	12	15	15	11	13	0	34	23	28
18	19	17	15	11	15	15	11	13	0	34	23	28
19	17	15	15	12	15	15	11	13	7	34	23	27
20	16	14	15	12	15	15	11	13	34	34	26	27
21	18	14	14	12	15	15	12	13	33	34	27	27
22	27	13	14	11	15	15	11	12	32	33	27	27
23	22	13	14	13	15	15	10	13	32	33	27	27
24	22	13	14	14	15	15	10	14	32	33	27	27
25	20	13	14	14	15	15	11	14	31	34	26	27
26	16	13	14	14	15	15	9	14	32	33	26	27
27	16	13	14	14	14	15	6.5	12	32	33	27	27
28	16	12	14	14	15	15	9.5	12	32	33	27	26
29	15	12	14	14	-	15	12	11	32	33	27	25
30	15	12	15	14	-	15	8.5	12	32	32	28	26
31	18	-	14	14	-	16	-	17	-	31	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	477	27	11	15.4	946
November	460	21	12	15.3	912
December	416.0	16	8.5	13.4	825
Calendar year 1934	5,869.0	32	0	16.1	11,630
January	395	16	11	12.7	783
February	417	16	14	14.9	827
March	471	16	15	15.2	934
April	352.9	20	.9	11.8	700
May	400.5	17	8.5	12.9	794
June	833	34	0	27.8	1,650
July	1,017	34	31	32.8	2,020
August	811	30	23	26.2	1,610
September	824	31	25	27.5	1,630
Water year 1934-35	6,874.4	34	0	18.8	13,630

Middle Fork of Yuba River near North San Juan, Calif.

Location.- Water-stage recorder, lat. 39°23', long. 121°06', in NE¼ sec. 32, T. 18 N., R. 8 E., 1 mile below Oregon Creek and 1 mile north of North San Juan. Altitude, about 1,350 feet.

Drainage area.- 207 square miles.

Records available.- October 1930 to September 1935; July to October 1900 and October 1910 to October 1930, staff gage 0.4 mile upstream.

Average discharge.- 24 years (1911-35), 412 second-feet. (Since 1928 the flow has been reduced by Milton-Bowman Tunnel diversion.)

Extremes.- Maximum discharge during year, 8,580 second-feet Apr. 7 (gage height, 9.2 feet); minimum, 24 second-feet Oct. 1-6, 12-15.
1910-35: Maximum discharge, 26,000 second-feet Mar. 25, 1928 (gage height, 15.3 feet, former site and datum); minimum, 14 second-feet Aug. 24-28, 1931.

Remarks.- Records good. Diversion above station through Milton-Bowman Tunnel to Bowman Lake; other small diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	88	145	134	340	888	763	1,050	770	107	43	30
2	24	67	117	124	355	683	784	905	809	105	42	30
3	24	80	100	113	366	520	2,120	835	e63	99	42	29
4	24	103	90	565	382	488	2,620	816	912	96	40	29
5	24	85	84	1,290	434	425	1,940	e77	905	92	40	29
6	24	61	79	709	503	386	1,560	1,090	947	89	40	29
7	25	50	74	473	690	5e7	3,630	1,270	738	e7	40	29
8	26	44	73	858	842	547	5,950	1,320	591	84	39	29
9	26	42	70	880	709	425	2,920	1,380	430	84	3e	29
10	26	40	70	932	587	362	2,010	1,320	372	e1	37	29
11	26	39	70	646	498	348	1,560	1,320	352	78	36	29
12	25	38	70	473	443	355	1,320	1,220	344	76	34	29
13	24	37	79	370	394	402	1,270	1,090	31e	71	33	29
14	24	39	254	340	358	509	1,380	1,090	285	68	33	29
15	24	258	362	323	330	604	2,820	1,090	257	68	33	31
16	26	152	238	307	304	530	2,620	1,090	234	64	34	31
17	34	134	210	316	291	468	2,090	919	222	62	34	30
18	33	343	170	344	294	443	1,700	842	220	61	34	29
19	35	434	145	320	310	407	1,430	905	211	58	33	28
20	33	250	132	275	340	386	1,500	1,000	200	57	33	28
21	45	152	122	247	366	434	1,500	1,130	187	55	33	28
22	96	126	113	224	348	390	1,320	1,320	180	54	32	28
23	50	263	107	210	355	378	1,130	1,430	170	54	32	29
24	38	253	100	210	333	370	1,090	1,320	158	54	32	30
25	35	164	96	241	304	355	1,000	1,270	149	52	31	30
26	32	139	94	294	284	351	1,040	1,320	140	50	31	29
27	31	124	174	323	268	411	1,130	1,320	132	48	31	28
28	30	109	154	333	512	463	1,320	1,270	126	48	31	27
29	30	98	143	333	-	520	1,850	1,180	118	48	31	27
30	30	101	190	337	-	610	1,380	849	112	47	30	27
31	40	-	164	337	-	709	-	681	-	44	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	989	96	24	31.9	1,960
November	3,915	434	37	130	7,770
December	4,089	362	70	132	8,110
Calendar year 1934	52,761	1,960	18	145	104,600
January	12,901	1,290	113	416	25,590
February	11,540	842	268	412	22,890
March	14,754	888	348	476	29,260
April	54,947	5,950	763	1,832	109,000
May	34,519	1,430	681	1,114	68,470
June	11,452	947	112	382	22,710
July	2,141	107	44	69.1	4,250
August	1,062	43	30	34.9	2,150
September	868	31	27	28.9	1,720
Water year 1934-35	153,197	5,950	24	420	303,900

Yuba River at Smartville, Calif.

Location.- Water-stage recorder, lat. 39°13', long. 121°18', in SW¼ sec. 22, T. 16 N., R. 6 E., at Narrows, 1 mile below Deer Creek and 1 mile north of Smartville. Zero of gage is 264.17 feet above mean sea level.

Drainage area.- 1,201 square miles (revised).

Records available.- June 1903 to September 1935.

Average discharge.- 32 years, 2,924 second-feet.

Extremes.- Maximum discharge during year, 41,200 second-feet Apr. 8 (gage height, 20.35 feet); minimum, 161 second-feet Oct. 14.
1903-35: Maximum discharge, 120,000 second-feet Mar. 26, 1928 (gage height, 26.0 feet); minimum, 71 second-feet (regulated flow) July 30, 1924.

Remarks.- Records excellent except those estimated, Aug. 4 to Sept. 30. Storage and diversions for power and irrigation above station. Lake Spaulding has a capacity of 70,500 acre-feet; Bowman Lake, 67,400 acre-feet (revised); and Fordyce Lake, 42,000 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	176	334	920	750	1,710	6,030	3,900	6,940	5,820	1,100	336	265
2	174	331	660	860	1,820	3,900	4,020	6,100	6,660	974	342	265
3	174	360	805	690	1,940	2,950	9,340	5,560	7,080	904	336	265
4	174	450	778	2,810	2,020	2,950	12,100	5,430	7,400	851	319	265
5	172	430	750	5,460	2,390	2,480	9,520	5,820	7,560	925	302	265
6	172	381	745	3,050	2,950	3,120	8,300	7,400	7,400	806	292	265
7	174	349	536	3,720	4,260	5,200	10,000	8,560	6,800	728	275	265
8	174	342	516	5,150	4,260	3,460	28,800	8,740	6,240	760	275	265
9	174	331	512	5,570	3,680	2,750	15,500	9,100	5,170	747	275	265
10	169	320	512	4,260	3,050	2,390	11,400	8,380	4,920	740	275	265
11	167	310	512	2,660	2,480	2,140	8,920	8,040	4,920	708	275	265
12	169	303	512	2,020	2,220	2,100	8,040	7,720	5,040	650	275	265
13	169	303	547	1,670	2,140	2,220	7,560	7,080	4,320	606	275	263
14	167	310	1,180	2,140	2,140	2,660	7,880	6,800	3,760	576	275	265
15	167	618	1,560	1,710	1,980	2,850	16,400	6,940	2,900	570	270	270
16	172	740	1,240	2,100	1,860	2,750	14,300	6,940	2,600	564	270	270
17	190	499	1,210	2,140	1,740	2,460	10,700	6,240	2,450	516	270	265
18	200	1,050	1,010	2,100	1,740	2,300	8,920	5,820	2,200	474	270	260
19	195	1,960	920	1,740	1,780	2,140	8,200	6,100	2,500	492	270	260
20	195	1,140	890	1,380	1,900	2,140	8,380	6,660	2,600	474	270	260
21	200	805	860	1,280	2,100	2,750	8,740	7,080	2,400	486	265	260
22	313	685	860	1,210	2,060	2,390	8,040	7,880	2,200	474	265	270
23	286	1,010	860	1,180	2,060	2,650	7,080	8,380	1,880	468	263	319
24	243	1,600	852	1,210	1,980	2,480	6,800	7,880	1,840	462	265	260
25	232	1,110	805	1,310	1,780	2,140	6,660	8,200	1,530	432	265	260
26	221	920	805	1,380	1,670	2,140	6,660	9,100	1,370	390	265	260
27	216	690	1,960	1,420	1,600	2,390	7,080	9,300	1,290	390	265	255
28	213	832	1,420	1,480	3,530	2,570	7,720	8,560	1,250	384	265	250
29	200	805	980	1,600	-	2,750	9,300	8,040	1,080	384	265	250
30	195	605	1,240	1,630	-	3,150	8,560	6,660	1,010	384	265	250
31	226	-	890	1,630	-	3,570	-	5,430	-	342	265	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,069	313	167	196	12,040
November	20,543	1,980	303	685	40,750
December	28,029	1,960	512	904	55,590
Calendar year 1934	363,400	12,200	144	996	720,300
January	67,510	5,570	750	2,178	133,900
February	64,840	4,260	1,600	2,316	128,600
March	88,190	6,030	2,100	2,845	174,900
April	288,820	28,800	3,900	9,627	572,900
May	226,880	9,300	5,430	7,319	450,000
June	114,170	7,560	1,010	3,806	226,500
July	18,661	1,100	342	602	37,010
August	8,662	342	265	279	17,180
September	7,929	319	250	264	15,730
Water year 1934-35	940,303	28,800	167	2,576	1,865,000

Milton-Bowman Tunnel at Outlet, Calif.

Location.- Water-stage recorder, lat. 39°28', long. 120°37', in sec. 3, T. 18 N., R. 12 E., near upper end of Bowman Lake. Altitude, about 5,600 feet.

Records available.- May 1928 to September 1930; October 1931 to September 1935.

Extremes.- Maximum mean daily discharge during year, 398 second-feet June 7; minimum, 2.0 second-feet Oct. 1-7.
1928-35: Maximum mean daily discharge, 452 second-feet May 10-12, June 11-13, 1932; minimum, 1.6 second-feet Sept. 14-15, 1934.

Remarks.- Records fair. Water is diverted by this tunnel from Middle Fork of Yuba River at Milton, in sec. 12, T. 19 N., R. 12 E., and discharged into Bowman Lake storage reservoir, from which it is conveyed to Lake Spaulding. During low and medium stages practically entire flow of Middle Fork of Yuba River is diverted. Gage-height record and results of discharge measurements furnished by Nevada 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	2.0	14	16	14	20	34	74	289	296	70	9	5.5
2	2.0	12	14	14	21	34	78	261	319	63	9	5
3	2.0	10	13	14	22	32	104	270	321	57	9	4.8
4	2.0	14	12	20	23	30	126	296	321	54	9	4.5
5	2.0	16	12	34	25	30	176	353	316	49	8	4.2
6	2.0	11	10	30	29	30	110	367	286	47	7.5	4.2
7	2.0	8.5	10	27	32	25	135	362	398	43	7.5	4.0
8	2.1	6.5	10	23	34	23	243	358	396	38	7.5	4.2
9	2.2	6	10	24	32	15	178	346	386	36	7	4.2
10	2.2	5.5	10	23	32	14	135	337	349	33	6.5	4.2
11	2.3	5	10	21	31	12	135	332	358	31	6.5	4.2
12	2.3	4.8	11	20	30	18	155	328	353	28	6	4.0
13	2.4	4.5	12	19	32	35	177	321	300	25	6	4.0
14	2.4	4.2	27	18	31	43	209	326	261	24	6	4.0
15	2.4	20	41	18	27	45	346	326	222	17	6	4.0
16	2.3	33	36	18	29	41	305	328	203	5.5	5.5	4.0
17	2.3	26	29	17	28	39	231	323	200	5.5	5.5	3.8
18	2.3	22	23	17	29	38	209	326	202	4.2	5.5	62
19	2.3	19	20	17	31	36	241	323	198	4.2	5.5	34
20	2.4	17	18	18	34	36	303	323	185	4.2	5	3.5
21	3.5	16	18	19	35	32	342	326	172	4.2	5	2.3
22	8	16	17	19	35	34	310	326	161	4.2	4.8	6
23	8.5	18	16	19	37	35	280	319	149	6.5	4.5	6
24	6.5	18	16	19	35	34	291	314	128	9.5	4.5	2.2
25	5.5	17	14	19	34	33	294	312	114	10	4.2	2.2
26	4.8	17	14	19	34	32	328	307	106	10	4.2	2.2
27	4.5	18	15	20	34	34	379	289	102	10	4.2	2.2
28	4.0	17	15	20	34	36	386	193	96	10	5	2.2
29	3.8	16	16	20	-	43	381	202	81	10	6	2.1
30	3.7	16	15	20	-	53	349	287	78	9.5	6	2.1
31	4.2	-	14	20	-	65	-	283	-	9	5.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	100.9	8.5	2.0	3.25	200
November	428.0	33	4.2	14.3	849
December	513	41	10	16.5	1,020
Calendar year 1934	18,676.4	422	1.6	51.2	37,090
January	620	34	14	20.0	1,230
February	850	37	20	30.4	1,690
March	1,041	65	12	33.6	2,060
April	7,010	386	74	234	13,900
May	9,683	367	193	311	19,180
June	7,057	398	78	235	14,000
July	731.5	70	4.2	23.6	1,450
August	191.4	9	4.2	6.17	380
September	201.8	62	2.1	5.73	400
Water year 1934-35	28,397.6	398	2.0	77.8	56,330

Oregon Creek near North San Juan, Calif.

Location.- Water-stage recorder, lat. 39°24', long. 121°05', in SW¼ sec. 22, T. 18 N., R. 8 E., 1 mile above mouth and 3 miles northeast of North San Juan. Altitude, about 1,500 feet.

Drainage area.- 35.1 square miles.

Records available.- October 1933 to September 1935; October 1910 to September 1933 at staff-gage station 0.7 mile downstream.

Average discharge.- 24 years (1911-35), 69.6 second-feet.

Extremes.- Maximum discharge during year, 2,250 second-feet Apr. 7 (gage height, 8.60 feet); minimum, 1.2 second-feet Oct. 5.
1910-35: Maximum discharge, about 5,200 second-feet Mar. 25, 1928 (gage height, 9.5 feet, former site); minimum, 0.7 second-foot several days in July and August 1931 and September 1934.

Remarks.- Records excellent. Small diversions for irrigation and mining above station.

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

1.2	0	2.4	32.5	3.6	124	4.8	322	7.5	1,510
1.4	.5	2.6	42.0	3.8	148	5.0	370	8.0	1,830
1.6	3.1	2.8	53	4.0	175	5.5	522	8.6	2,250
1.8	8.5	3.0	66	4.2	204	6.0	725		
2.0	15.5	3.2	83	4.4	238	6.5	960		
2.2	23.5	3.4	102	4.6	278	7.0	1,210		

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	1.4	16	29	29	68	234	190	231	40	8.5	2.6	1.6
2	1.4	10	22	26	77	171	215	196	36	8	2.4	1.6
3	1.3	16	19	24	80	132	652	174	32	7.5	2.4	1.7
4	1.3	19	16	135	94	123	702	164	30	7.5	1.9	1.7
5	1.4	12	15	203	117	99	522	162	29	7.5	1.9	1.7
6	1.7	9	13	102	164	105	410	171	27	7.5	2.1	1.7
7	2.1	7.5	12	113	256	134	1,130	174	25	7.5	2.2	1.6
8	2.1	6.5	11	227	227	105	1,500	171	24	7.5	2.4	1.6
9	3.6	6	11	181	167	86	748	167	22	7.5	2.1	1.6
10	3.8	5.5	10	144	131	78	470	154	22	6.5	2.1	1.6
11	3.6	5.5	10	97	110	73	356	146	20	6.5	2.1	1.7
12	3.3	5.5	9.5	73	95	77	322	138	19	6.5	1.9	1.9
13	3.1	4.8	12	60	101	88	289	126	18	5.5	1.9	1.9
14	3.1	5	51	64	101	114	322	118	17	4.8	2.1	1.9
15	2.9	45	70	53	88	126	808	112	16	4.5	1.9	2.1
16	2.9	23	46	55	78	113	702	106	16	3.6	1.9	2.1
17	3.1	24	41	57	73	104	486	101	15	3.8	2.1	1.9
18	3.6	74	34	56	73	100	383	94	14	3.3	2.1	1.9
19	4.8	96	30	46	78	92	334	88	14	3.3	2.1	1.9
20	4.5	48	26	40	90	93	322	86	14	3.6	1.9	2.1
21	10	29	24	37	104	101	311	85	14	3.3	1.9	2.1
22	19	24	22	36	99	83	278	84	13	3.6	1.9	2.1
23	7.5	54	20	36	100	88	244	81	11	4.3	1.9	2.2
24	5.5	51	20	38	90	78	227	73	11	3.8	1.9	1.9
25	4.5	32	19	42	81	76	214	68	11	3.8	1.9	1.9
26	4.1	26	19	48	73	85	210	63	10	3.1	1.9	2.1
27	3.8	22	43	51	68	101	214	58	9.5	3.1	1.9	2.1
28	3.8	19	36	54	136	112	220	52	9.5	3.3	1.9	1.9
29	3.6	16	33	57	-	135	300	51	9.5	3.1	1.7	1.9
30	3.3	18	46	56	-	161	289	50	9	3.3	1.7	1.7
31	6.5	-	37	62	-	183	-	44	-	2.8	1.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	126.6	19	1.3	4.08	251
November	729.3	96	4.8	24.3	1,450
December	806.5	70	9.5	26.0	1,600
Calendar year 1934	8,745.7	322	.8	24.0	17,350
January	2,304	227	24	74.3	4,570
February	3,019	256	68	108	5,990
March	3,450	234	73	111	6,840
April	13,372	1,500	190	446	26,520
May	3,588	231	44	116	7,120
June	557.5	40	9	18.6	1,110
July	158.4	8.5	2.8	5.11	314
August	62.4	2.6	1.7	2.01	124
September	55.7	2.2	1.6	1.86	110
Water year 1934-35	28,229.4	1,500	1.3	77.3	56,000

North Fork of Yuba River near Sierra City, Calif.

Location.- Water-stage recorder, lat. 39°34', long. 120°40', in NW¼ sec. 32, T. 20 N., R. 12 E., 2½ miles below South Fork of North Fork of Yuba River and 1½ miles west of Sierra City. Altitude, about 4,100 feet.

Drainage area.- 91.3 square miles (revised).

Records available.- 1911-13 (fragmentary), December 1923 to September 1935.

Average discharge.- 11 years (1924-35), 191 second-feet.

Extremes.- Maximum discharge during year, 2,040 second-feet May 26 (gage height, 5.15 feet); minimum, 31 second-feet Oct. 14.
1923-35: Maximum discharge, about 5,920 second-feet Mar. 25, 1928 (gage height, 8.50 feet); minimum, 26 second-feet Oct. 15, 1931, Aug. 22, 23, 1934.

Remarks.- Records excellent except those for June 1-19, which are fair and were estimated on basis of records for station below Goodyears Bar. Small diversions for mining 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	37	64	60	54	85	104	225	566	1,050	220	68	50
2	36	53	56	54	91	96	240	538	1,100	205	66	49
3	35	53	55	54	95	95	492	532	1,150	190	65	47
4	35	83	55	98	99	95	465	586	1,200	180	64	46
5	34	65	52	104	108	91	370	715	1,200	174	66	46
6	34	52	52	87	133	90	303	892	1,250	165	68	46
7	36	49	51	84	138	91	487	956	1,150	156	67	46
8	35	47	50	83	127	90	757	1,060	1,000	151	65	47
9	33	45	50	81	119	85	460	1,010	900	142	64	47
10	33	44	50	75	111	83	350	972	850	136	62	47
11	33	43	50	72	105	84	330	940	850	130	59	46
12	33	42	52	70	102	89	354	892	800	125	57	46
13	32	42	58	69	99	99	374	876	750	119	56	47
14	32	42	115	70	95	118	465	900	650	116	55	48
15	33	123	105	67	87	116	750	924	600	119	55	49
16	35	82	88	67	89	112	568	892	560	112	56	47
17	38	78	81	68	89	111	476	822	520	111	56	46
18	38	80	71	69	93	109	450	838	520	112	55	46
19	38	87	71	68	98	107	498	892	510	104	55	45
20	37	70	69	65	109	108	638	956	504	99	54	45
21	44	64	67	64	109	107	687	1,040	470	95	53	45
22	52	66	66	62	108	107	600	1,190	445	94	52	44
23	41	83	61	63	111	103	550	1,470	410	93	51	44
24	39	70	62	65	105	96	568	1,420	370	89	51	44
25	38	67	58	67	102	94	580	1,420	338	88	50	44
26	38	74	59	69	99	95	652	1,620	319	84	52	44
27	37	67	59	71	96	104	757	1,520	296	81	59	42
28	37	62	59	72	99	111	852	1,370	272	79	58	42
29	36	60	58	74	-	127	924	1,180	252	78	61	43
30	36	61	58	78	-	167	708	996	234	75	53	45
31	47	-	55	81	-	205	-	940	-	70	51	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,142	52	32	36.8	2,270
November	1,918	123	42	63.9	3,800
December	1,953	115	50	63.0	3,870
Calendar year 1934	39,570	1,030	27	108	78,520
January	2,225	104	54	71.8	4,410
February	2,901	138	85	104	5,750
March	3,289	205	63	106	6,520
April	15,930	924	225	531	31,600
May	30,945	1,620	532	998	61,380
June	20,520	1,250	234	684	40,700
July	3,792	220	70	122	7,520
August	1,804	68	50	58.2	3,580
September	1,373	50	42	45.8	2,720
Water year 1934-35	87,792	1,620	32	241	174,100

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North Fork of Yuba River below Goodyears Bar, Calif.

Location.- Water-stage recorder, lat. 39°32', long. 120°56', in SW¼ sec. 11, T. 19 N., R. 9 E., 3.5 miles below Goodyears Creek and about 4 miles southwest of Goodyears Bar. Altitude, about 2,450 feet.

Drainage area.- 244 square miles.

Records available.- December 1930 to September 1935.

Extremes.- Maximum discharge during year, 7,280 second-feet Apr. 7 (gage height, 10.95 feet); minimum, 87 second-feet Nov. 14.
1930-35: Maximum discharge, that of Apr. 7, 1935; minimum, 69 second-feet Aug. 26, 1931.

Remarks.- Records excellent. Several small irrigation and mining diversions above station.

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

1.1	80	2.4	218	4.2	640	6.6	2,050	9.5	5,230
1.3	98	2.6	246	4.6	800	7.0	2,410	10.0	5,880
1.5	116	2.8	276	5.0	980	7.5	2,900	10.5	6,580
1.7	136	3.0	310	5.4	1,200	8.0	3,440	11.0	7,280
2.0	168	3.4	394	5.8	1,450	8.5	4,000		
2.2	192	3.8	504	6.2	1,730	9.0	4,600		

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	97	198	225	218	446	660	980	1,850	2,230	536	211	146
2	94	180	198	204	474	605	1,060	1,660	2,410	504	204	145
3	94	174	186	198	489	536	2,830	1,620	2,500	474	198	143
4	93	276	166	626	536	536	2,700	1,700	2,700	460	198	141
5	93	218	174	760	640	474	2,050	1,970	2,700	446	198	140
6	92	168	174	499	822	474	1,730	2,410	2,800	418	198	139
7	94	148	186	418	865	520	3,630	2,600	2,800	406	192	139
8	95	138	167	489	760	460	5,190	2,800	2,280	382	192	138
9	92	131	166	520	660	406	2,800	2,800	1,970	370	186	138
10	92	126	166	460	570	382	1,970	2,700	1,810	359	180	137
11	92	121	168	382	520	382	1,700	2,600	1,810	348	180	136
12	91	119	166	338	474	406	1,620	2,410	1,770	338	174	135
13	89	116	198	310	474	489	1,620	2,320	1,620	328	174	134
14	89	118	642	328	446	622	1,890	2,320	1,420	319	168	137
15	91	520	520	292	406	640	3,330	2,360	1,280	310	168	142
16	95	292	370	301	394	588	2,800	2,320	1,170	301	168	139
17	113	260	328	310	394	553	2,180	2,050	1,110	292	166	134
18	109	406	284	310	406	536	1,930	2,050	1,110	292	167	133
19	109	553	268	276	432	504	1,970	2,180	1,080	276	166	130
20	108	328	253	260	504	504	2,280	2,410	1,030	268	163	130
21	139	253	239	246	553	520	2,360	2,700	980	260	160	128
22	180	239	239	239	520	474	2,050	3,110	958	260	157	128
23	125	374	225	239	520	474	1,850	3,220	890	253	156	127
24	113	319	216	268	489	432	1,610	3,000	800	253	153	127
25	109	268	204	301	446	432	1,810	3,000	760	246	152	127
26	106	260	204	328	418	460	1,970	3,220	720	239	152	126
27	104	239	246	348	406	520	2,230	3,220	680	232	154	124
28	102	218	239	359	504	570	2,500	2,900	640	232	163	121
29	101	204	225	370	-	660	3,000	2,600	605	225	160	121
30	100	211	246	394	-	800	2,280	2,140	570	216	153	124
31	131	-	232	406	-	935	-	1,970	-	211	150	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,286	180	89	104	6,400
November	7,175	553	116	239	14,230
December	7,528	642	166	243	14,930
Calendar year 1934	124,743	3,580	76	342	247,300
January	10,987	760	198	354	21,790
February	14,591	868	394	521	28,940
March	16,554	935	382	534	32,830
April	68,120	5,190	980	2,271	135,100
May	76,210	3,220	1,620	2,458	151,200
June	44,983	2,800	570	1,499	89,220
July	10,056	536	211	324	19,950
August	5,363	211	150	173	10,640
September	4,009	146	121	134	7,950
Water year 1934-35	268,802	5,190	69	736	533,200

Bowman Lake near Graniteville, Calif.

Location.- Staff gage, lat. 39°27', long. 120°39', at Bowman Dam, on Canyon Creek, in SW¼ sec. 5, T. 18 N., R. 12 E., 4 miles east of Graniteville.

Records available.- December 1926, when storage began, to September 1935.

Remarks.- Bowman Lake provides storage for Nevada Irrigation District. Part of its supply is diverted from Middle Fork of Yuba River through Milton-Bowman Tunnel (see record for Milton-Bowman Tunnel at outlet, Calif.) and is released through Bowman-Spaulding Canal (see record for Bowman-Spaulding Canal at intake, Calif.). Elevation of crest of dam, 5,567 feet above mean sea level. No record Jan. 17-21, Mar. 7-10, Apr. 5-9, 11, 16-18; contents less than 1,000 acre-feet and therefore doubtful Feb. 16 to Apr. 4. Table shows total contents, all of which is available for release. Record of daily gage heights furnished by Nevada 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	5,700	3,920	5,910	3,600	2,940		-	30,900	65,160	69,160	57,960	48,960
2	5,340	4,220	5,880	3,600	2,880		-	31,800	65,320	69,000	57,840	49,030
3	4,750	4,480	5,910	3,600	2,860		-	32,760	65,320	68,760	57,240	49,100
4	4,220	4,720	5,940	3,650	2,740		-	33,640	65,400	68,600	56,760	49,170
5	3,750	4,980	5,970	3,780	2,600		-	34,920	65,800	68,360	56,360	49,170
6	3,340	5,190	6,000	3,600	2,520		-	36,360	66,040	68,040	55,880	49,100
7	2,940	5,190	6,060	3,800	2,480		-	38,110	67,080	67,720	55,400	49,030
8	2,540	5,610	6,060	3,800	2,370		-	39,930	67,800	67,400	54,920	48,960
9	2,300	5,760	6,090	3,800	2,200		-	41,750	68,200	67,080	54,520	48,890
10	2,100	5,940	6,120	3,800	2,020		7,110	43,360	66,200	66,760	54,040	48,750
11	1,890	6,090	6,150	3,780	1,860		-	44,900	68,200	66,440	53,560	48,610
12	1,620	6,240	6,120	3,750	1,680		8,100	46,300	68,440	66,120	53,080	48,400
13	1,430	6,390	6,120	3,700	1,530		9,160	47,910	68,840	65,800	52,680	48,120
14	1,130	5,540	6,180	3,650	1,260		10,360	49,310	69,000	65,400	52,200	47,910
15	900	6,780	6,120	3,600	1,040		10,920	51,080	68,920	65,080	51,720	47,560
16	1,080	6,930	5,970	3,580	-		-	52,880	68,840	64,760	51,240	47,140
17	1,100	7,080	5,820	-	-		-	53,960	68,920	64,360	50,760	46,720
18	1,380	7,140	5,580	-	-		-	55,560	69,080	63,960	50,280	46,300
19	1,450	7,200	5,370	-	-		14,480	56,600	69,880	63,560	49,880	45,950
20	1,620	7,140	5,100	-	-		15,550	58,360	69,480	63,160	49,520	45,530
21	1,770	7,020	4,920	-	-		16,950	60,040	69,400	62,760	49,100	45,040
22	1,920	6,960	4,700	3,400	-		18,200	62,120	69,240	62,360	48,680	44,680
23	2,180	6,930	4,480	3,340	-		18,450	63,480	69,880	61,960	48,470	44,200
24	2,370	6,840	4,050	3,300	-		20,400	64,120	69,160	61,560	48,330	43,780
25	2,620	6,780	3,850	3,240	-		21,350	64,760	69,320	61,160	48,190	43,360
26	2,840	6,600	3,850	3,140	-		22,650	65,480	69,480	60,680	48,120	42,800
27	3,040	6,450	3,800	3,200	-		24,180	65,400	69,400	60,360	48,190	42,310
28	3,300	6,300	3,750	3,100	-		26,040	65,160	69,480	59,880	48,400	41,820
29	3,540	6,120	3,700	3,060	-		27,960	65,160	69,400	59,400	48,610	41,400
30	3,800	5,910	3,680	3,020	-		29,640	65,160	69,320	58,920	48,820	40,910
31	3,650	-	3,620	2,980	-		-	65,160	-	58,440	48,890	-

Note.- Contents on Sept. 30, 1934, was 6,120 acre-feet.

Canyon Creek below Bowman Lake, Calif.

Location.- Water-stage recorder, lat. 39°26', long. 120°40', in SE¼ sec. 7, T. 18 N., R. 12 E., 1 mile below Bowman Lake and 3 miles above Texas Creek. Altitude, about 5,100 feet.

Records available.- January 1927 to September 1935.

Extremes.- Maximum discharge during year, 822 second-feet May 26 (gage height, 4.37 feet); practically no flow parts of July, August, September.
1927-35: Maximum discharge, 960 second-feet May 31, 1930 (gage height, 4.13 feet); practically no flow at times when there is little or no leakage from dams above.

Remarks.- Records fair. Flow regulated by storage in Bowman Lake and diversion into Bowman-Spaulding Canal. See records for those stations. Gage-height record and results of some discharge measurements furnished by Nevada 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	0.1	1.1	1.4	0.6	0.6	0.3	1.2	*4	572	0.1	0	0.1
2	.1	.8	.8	.6	.6	.3	1.7	*4	640	.1	0	.1
3	.1	.6	.7	.6	.6	.4	*8	*4	690	.1	0	.1
4	.1	.5	.6	6.5	.9	.4	*4	3.8	690	.1	0	.1
5	.1	.4	.6	2.6	1.0	.3	1.4	4.0	590	.1	0	.1
6	.1	.4	.6	1.6	1.3	.4	1.3	4.3	395	.1	0	.1
7	.2	.3	.5	1.5	.9	.8	23	3.8	347	.1	0	.1
8	.2	.3	.5	1.4	.6	.3	6.5	8	383	.1	0	.1
9	.1	.2	.5	*1.0	.6	.3	*4	6.5	536	.1	0	.1
10	.1	.2	.6	*.6	.4	.3	*3	6	665	0	0	.1
11	.1	.2	.8	.4	.4	.3	*3	6.5	635	0	0	.1
12	.1	.2	.8	.4	.4	.4	*3	6	419	0	0	.1
13		1.2	3.6	.4	.3	.8	4.1	4.3	320	0	0	.1
14		1.5	8	.4	.3	.8	7.5	5.5	419	0	0	.1
15		1.5	2.4	.4	.3	.7	12	6	443	0	0	.1
16		1.5	1.4	1.3	.3	.6	*6	5.5	403	0	.1	.1
17		2.2	1.4	2.0	.6	.6	*5	1.5	260	0	.1	.1
18	*.1	2.7	.8	4.0	.6	.6	*5	4.4	145	0	0	.1
19		3.7	.8	2.2	.7	.4	*6	5	191	0	0	.1
20		2.1	.8	.8	.8	.4	6	5.5	337	0	0	.1
21		1.6	.6	.6	.7	.7	4.8	5.5	387	0	0	0
22		2.9	.6	.4	.6	.4	*2.5	5.5	242	0	0	0
23		3.2	.6	.3	.6	.4	*2.5	6	157	0	0	0
24		2.0	.6	.4	.6	.4	*2.5	233	44	0	0	0
25		1.8	.6	.4	.4	.4	*2.5	665	3.0	0	0	0
26	.1	2.0	.5	.4	.4	.4	*2.5	795	3.3	0	0	0
27	.1	1.5	.5	.4	.4	.7	*4.0	795	2.7	0	0	.1
28	.1	1.2	.5	.4	.4	1.5	*4	690	.2	0	.1	.1
29	.1	1.1	.5	.4	-	.9	*4	581	.1	0	.1	.1
30	.1	2.2	.6	.4	-	1.3	*4	600	.1	0	.1	.1
31	.8	-	.6	.5	-	1.4	-	563	-	0	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4.0	0.8	0.1	0.13	7.9
November	41.1	3.7	.2	1.37	82
December	33.8	8	.5	1.09	67
Calendar year 1934	303.4	12	0	.831	602
January	33.9	6.5	.3	1.09	67
February	16.3	1.3	.3	.58	32
March	17.9	1.5	.3	.58	36
April	145.0	23	1.2	4.83	288
May	5,037.6	795	1.5	163	9,990
June	9,919.4	690	.1	331	19,670
July	.9	.1	0	.03	1.8
August	.6	.1	0	.02	1.2
September	2.4	.1	0	.08	4.8
Water year 1934-35	15,252.9	795	0	41.8	30,250

*Estimated.

Bowman-Spaulding Canal at intake, Calif.

Location.- Water-stage recorder, lat. 39°27', long. 120°39', in sec. 8, T. 18 N., R. 12 E., a quarter of a mile below Bowman rock-fill dam and 150 feet below intake. Altitude, about 5,400 feet.

Records available.- October 1927 to September 1935.

Extremes.- Maximum mean daily discharge during year, 246 second-feet Sept. 20; no flow parts of October, May, June.
1928-35: Maximum mean daily discharge, 262 second-feet Aug. 2-9, 29, Sept. 10-13, 1928; no flow at times each year.

Remarks.- Records good except those estimated, which are fair. Stage-discharge relation affected by ice Jan. 22, Mar. 16, 21, 22, 24, 25. Canal diverts from left bank of Canyon Creek below Bowman Lake. Water is delivered to Fuller Lake, then to Lake Spaulding and is used for irrigation in Nevada irrigation district after passing through several power houses. Gage-height record and results of discharge measurements furnished by Nevada 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	220	1.8	126	50	80	86	1.4	5	1.6	238	240	244
2	220	1.5	74	52	80	90	2.4	5	1.4	227	240	244
3	221	14	72	50	100	93	2.4	5	2.4	235	239	244
4	222	25	72	60	132	92	.4	5.5	1.3	239	240	243
5	222	30	70	83	142	92	.4	6	1.2	238	243	243
6	222	27	68	82	137	93	.3	6.5	1.4	237	242	243
7	222	25	68	82	143	90	.5	1.9	.2	239	241	243
8	222	25	72	82	186	88	.5	0	1.2	240	240	243
9	222	25	74	82	193	86	.3	4.5	1.3	241	240	243
10	222	26	74	82	191	86	.1	0	1.3	240	240	245
11	222	26	74	82	190	84	.1	0	1.2	240	242	245
12	222	26	74	81	192	84	.2	0	1.3	241	243	244
13	218	26	78	81	192	87	.2	1.7	.4	243	243	244
14	218	26	135	81	191	94	.3	0	0	240	242	243
15	156	43	188	82	187	118	.4	0	0	240	241	243
16	*1.6	56	205	82	115	*110	.4	0	0	241	242	243
17	*1.0	94	205	82	85	95	.4	3.3	.6	241	244	244
18	*.5	94	250	81	84	89	.3	0	1.4	239	244	244
19	*.5	136	206	80	85	80	.1	0	.6	242	244	244
20	*.5	168	204	80	86	78	1.2	0	0	243	243	246
21	*.5	166	206	80	85	*80	3.5	0	.9	243	243	245
22	*1.5	167	207	*82	85	*80	3.4	0	36	241	245	245
23	*0	167	211	82	88	74	7.5	0	195	241	245	245
24	1.7	166	212	82	92	*75	4.2	.4	133	239	245	245
25	1.1	183	130	80	93	*75	3.9	3.4	138	239	245	244
26	1.0	199	80	81	93	73	4.2	1.9	130	238	245	245
27	1.0	202	78	80	89	78	4.6	2.0	186	241	245	244
28	1.0	202	78	80	86	84	4.6	2.0	118	240	245	244
29	1.0	200	77	81	-	101	5	1.7	167	240	245	243
30	1.2	199	78	74	-	129	4.8	1.6	209	241	244	245
31	1.9	-	78	80	-	131	-	1.6	-	241	244	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,267.0	222	*0	105	6,480
November	2,746.3	202	1.5	91.5	5,450
December	3,781	212	68	122	7,500
Calendar year 1934	44,423.8	226	0	122	88,210
January	2,399	83	50	77.4	4,760
February	3,502	193	80	125	6,950
March	2,795	131	73	90.2	5,540
April	58.0	7.5	.1	1.93	115
May	59.0	6.5	0	1.90	117
June	1,331.7	209	0	44.4	2,640
July	7,428	243	227	240	14,730
August	7,524	245	239	243	14,920
September	7,320	246	243	244	14,520
Water year 1934-35	42,211.0	246	0	116	83,720

*Estimated.

Bear River near Wheatland, Calif.

Location.- Water-stage recorder, lat. 39°, long. 121°25', in sec. 3, T. 13 N., R. 5 E., 1 mile southeast of Wheatland, 6.5 miles below Rock Creek, and 12 miles above mouth. Altitude, about 85 feet.

Drainage area.- 295 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 21,600 second-feet Apr. 8 (gage height, 15.15 feet); minimum, 2.4 second-feet Oct. 3.
1928-35: Maximum discharge, that of Apr. 8, 1935; minimum, 0.2 second-foot Aug. 24, 25, 1933. Discharge of 29,600 second-feet was recorded Jan. 14, 1909, at station 8 miles upstream.

Remarks.- Records good except those for extreme low water, which are fair. Storage, many diversions, and inflow above station from Yuba River basin.

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	2.9	37	62	137	348	4,620	652	833	249	37	102	164
2	2.9	28	57	109	342	2,080	645	706	245	32	125	88
3	2.9	26	50	95	348	1,400	973	645	233	18	134	56
4	2.9	60	50	909	510	1,220	1,800	615	218	12	148	50
5	3.2	31	50	2,200	752	1,130	1,650	552	210	12	107	122
6	5	26	50	312	632	1,110	1,550	526	203	12	64	168
7	6	26	50	648	1,080	3,340	5,300	493	206	12	81	174
8	6	24	50	2,660	1,170	2,240	14,200	462	203	12	148	181
9	5.5	24	50	3,300	1,060	1,650	4,060	450	192	14	174	218
10	4.5	24	50	2,340	1,190	1,310	2,480	450	174	14	171	325
11	9.5	24	47	978	912	1,130	1,700	450	154	12	168	310
12	5	22	50	568	808	1,040	1,360	438	140	12	157	294
13	3.6	22	57	410	617	1,020	1,090	426	125	12	128	280
14	3.2	24	105	786	856	1,020	959	384	115	14	142	275
15	3.6	127	208	752	808	1,020	3,640	350	107	16	157	275
16	4.0	86	86	920	768	932	3,400	396	94	14	161	265
17	5.5	57	80	1,230	784	833	2,180	408	94	12	164	256
18	5	144	71	1,370	712	762	1,650	408	86	11	171	238
19	5.5	336	57	1,080	645	746	1,260	390	83	12	154	229
20	5	112	52	720	660	722	1,180	330	81	14	99	225
21	6	74	47	486	638	1,220	1,130	296	78	15	131	221
22	22	68	42	410	617	1,100	565	274	78	14	157	217
23	20	103	35	366	603	1,360	192	195	83	24	161	212
24	13	126	31	352	589	1,260	233	178	76	21	161	208
25	11	80	33	361	547	1,100	595	195	70	26	171	204
26	13	65	31	370	547	995	675	210	60	34	171	217
27	13	57	364	375	528	986	675	245	53	43	171	233
28	13	57	224	370	1,460	950	652	245	51	74	174	246
29	13	54	151	370	-	923	842	237	56	66	178	238
30	13	54	262	356	-	914	1,090	233	39	45	185	256
31	14	-	196	361	-	722	-	245	-	53	185	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	242.7	22	2.9	7.83	481
November	1,998	336	22	66.6	3,960
December	2,828	364	31	91.2	5,610
Calendar year 1934	49,635.0	2,850	-	136	98,470
January	25,701	3,300	95	829	50,980
February	20,752	1,460	343	741	41,160
March	40,855	4,620	722	1,318	81,030
April	58,378	14,200	192	1,946	115,800
May	12,265	833	178	396	24,330
June	3,888	249	39	130	7,710
July	719	74	11	23.2	1,430
August	4,600	165	64	148	9,120
September	6,445	325	50	215	12,780
Water year 1934-35	178,671.7	14,200	2.9	490	354,400

Bear River Canal near Colfax, Calif.

Location.- Water-stage recorder, lat. 39°07', long. 120°58', in sec. 28, T. 15 N., R. 9 E., just below lower spillway gates, 1¼ miles below diversion dam on Bear River, and 2 miles northwest of Colfax. Altitude, about 1,950 feet.

Records available.- January 1912 to September 1935.

Average discharge.- 21 years (1914-35), 197 second-feet.

Extremes.- Maximum mean daily discharge during year, 455 second-feet Dec. 5, Jan. 25; no flow Feb. 21-26.
1912-35: Maximum mean daily discharge recorded, 457 second-feet Aug. 3, 1933; no flow at times.

Remarks.- Canal diverts from left bank of Bear River in sec. 22, T. 15 N., R. 9 E. Water is used to develop power at Halsey power house and Wise power house and is then distributed for irrigation. Records of daily discharge furnished by Pacific Gas & Electric 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	239	196	311	367	443	112	114	133	342	259	360	214
2	208	226	410	373	449	45	113	139	325	283	363	249
3	240	282	446	434	446	63	125	140	329	293	352	352
4	296	221	442	378	439	83	121	140	330	272	208	366
5	222	283	455	316	433	74	105	141	333	261	324	368
6	183	307	447	371	439	78	100	136	293	262	346	364
7	193	357	437	392	441	63	203	136	321	256	349	357
8	245	342	412	369	418	57	34	142	320	250	350	356
9	202	335	413	320	433	81	11	143	324	250	360	306
10	206	374	377	272	429	104	8.5	144	327	251	364	353
11	218	415	406	400	429	106	7.5	142	333	248	360	351
12	214	421	403	426	428	119	32	147	336	236	351	351
13	214	435	379	435	429	121	60	149	335	250	364	351
14	177	409	369	362	390	125	92	177	336	281	366	309
15	218	333	305	383	421	121	77	229	338	310	367	294
16	344	268	240	434	430	107	39	235	344	345	365	353
17	354	208	322	438	420	107	57	240	356	345	367	355
18	173	340	411	423	415	105	127	236	338	352	346	353
19	120	333	425	431	297	109	146	214	346	356	323	354
20	132	323	406	440	.7	116	149	212	337	316	368	351
21	112	397	426	434	0	130	114	200	346	226	371	353
22	103	383	421	436	0	120	126	254	342	248	371	354
23	68	366	435	439	0	122	152	272	343	290	368	355
24	99	403	437	440	0	125	138	303	334	288	364	354
25	123	412	426	455	0	126	147	359	335	310	367	355
26	95	450	391	447	0	125	116	336	328	315	365	355
27	83	431	364	423	45	127	137	328	330	275	365	354
28	74	443	385	423	211	128	136	342	294	206	363	354
29	91	437	390	423	-	118	142	340	263	282	365	337
30	271	383	436	411	-	124	122	341	258	355	357	344
31	276	-	381	435	-	121	-	340	-	359	338	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,793	354	68	187	11,490
November	10,513	450	196	350	20,850
December	12,306	455	240	397	24,410
Calendar year 1934	102,556.8	455	0	281	203,200
January	12,520	455	272	404	24,830
February	8,285.7	449	0	296	16,430
March	3,262	130	45	105	6,470
April	3,051.0	203	7.5	102	6,050
May	6,790	359	133	219	13,470
June	9,816	356	288	327	19,470
July	8,829	359	206	285	17,510
August	10,947	371	208	353	21,710
September	10,224	368	214	341	20,280
Water year 1934-35	102,336.7	455	0	280	203,000

North Fork of American River near Colfax, Calif.

Location.- Water-stage recorder, lat. 39°02', long. 120°54', in NW¼ sec. 30, T. 14 N., R. 10 E., 50 feet downstream from bridge on Colfax-Forest Hill road, 200 feet below mouth of Shirttail Canyon Creek, and 5 miles southeast of Colfax. Zero of gage is 897.43 feet above mean sea level.

Drainage area.- 308 square miles.

Records available.- August 1911 to September 1935.

Average discharge.- 23 years (1911-13, 1914-35), 596 second-feet.

Extremes.- Maximum discharge during year, 17,000 second-feet Apr. 7 (gage height, 14.0 feet); minimum, 31 second-feet Oct. 2-7.
1911-35: Maximum discharge, about 55,000 second-feet Mar. 25, 1928 (gage height, 25.2 feet, present datum); minimum, 15 second-feet July 22 to Aug. 7, Aug. 12-15, 1924; Aug. 28, 1931.

Remarks.- Records good except those for Mar. 23-30 and Aug. 6-9, which are fair and were estimated on basis of records for station at Rattlesnake Bridge. Small storage and diversions 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	32	119	207	197	538	649	1,280	1,870	1,640	283	69	46
2	31	88	178	178	565	595	1,240	1,590	1,870	262	66	44
3	31	102	160	166	589	526	2,830	1,550	2,020	247	68	44
4	31	184	140	638	649	538	3,100	1,640	2,120	239	63	44
5	31	157	143	1,300	784	482	2,740	1,920	2,070	230	61	44
6	31	99	129	667	975	532	2,320	2,320	2,020	216	60	43
7	31	75	124	560	1,120	940	6,510	2,490	1,820	200	60	43
8	34	66	111	1,120	1,040	823	9,780	2,600	1,550	186	60	43
9	34	60	116	1,080	908	685	4,640	2,600	1,280	178	60	42
10	32	54	119	856	797	607	3,160	2,440	1,180	171	59	42
11	32	60	119	607	721	583	2,540	2,320	1,210	161	58	42
12	32	56	119	494	655	601	2,320	2,270	1,210	155	59	42
13	32	64	134	410	631	709	2,270	2,120	1,020	153	58	42
14	32	56	513	488	655	875	2,540	2,170	900	153	56	39
15	32	407	577	462	607	908	5,000	2,170	765	153	56	40
16	36	288	332	510	554	784	4,330	2,120	690	146	58	42
17	46	210	273	643	526	727	3,280	1,820	690	134	58	40
18	46	450	228	739	526	685	2,660	1,680	690	130	58	38
19	42	661	200	601	554	625	2,660	1,870	660	124	56	38
20	40	374	184	455	613	613	3,020	2,070	635	117	54	37
21	48	252	175	374	649	739	3,020	2,380	583	113	50	37
22	71	197	169	352	601	685	2,490	2,660	560	105	48	36
23	66	316	160	352	583	830	2,220	2,720	524	102	48	36
24	45	340	148	420	548	830	2,220	2,380	460	98	47	36
25	40	259	143	494	499	800	2,070	2,380	416	95	47	36
26	40	238	137	532	466	750	2,220	2,540	397	90	46	36
27	39	231	184	532	440	800	2,380	2,490	393	87	47	36
28	37	204	166	526	460	850	2,660	2,220	368	84	47	34
29	37	178	172	521	-	900	3,350	2,020	336	79	47	32
30	37	172	270	532	-	1,050	2,380	1,550	309	75	47	33
31	67	-	238	521	-	1,200	-	1,320	-	73	46	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,215	71	31	39.2	2,410
November	6,017	661	54	201	11,930
December	6,088	577	111	196	12,040
Calendar year 1934	108,976	3,720	26	299	216,200
January	17,347	1,300	166	560	34,410
February	18,253	1,120	440	652	36,200
March	22,921	1,200	482	739	45,460
April	93,230	9,780	1,240	3,108	184,900
May	66,290	2,720	1,320	2,138	131,500
June	30,386	2,120	309	1,013	60,270
July	4,639	283	73	150	9,200
August	1,719	69	46	55.5	3,410
September	1,187	46	32	39.6	2,350
Water year 1934-35	269,272	9,780	31	738	534,100

North Fork of American River at Rattlesnake Bridge, Calif.

Location.- Water-stage recorder, lat. 38°49', long. 121°06', in SW¼ sec. 9, T. 11 N., R. 8 E., 800 feet downstream (revised) from Rattlesnake Bridge, 3 miles below Pilot Creek, and 6 miles south of Auburn. Altitude, about 350 feet.

Drainage area.- 999 square miles.

Records available.- November 1930 to September 1935.

Extremes.- Maximum discharge during year, 41,500 second-feet Apr. 8 (gage height, 17.6 feet); minimum, 34 second-feet Oct. 6.
1930-35: Maximum discharge, that of Apr. 8, 1935; minimum, 6.5 second-feet Aug. 15, 1931.

Remarks.- Records good. Storage and regulation above station. At times water from Bear River and Yuba River drainage basins enters stream above station; amount of such foreign water is largest from June to November and for parts of days may be several hundred second-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	86	494	910	990	1,760	2,050	3,800	6,340	5,340	1,120	202	100
2	85	464	694	878	1,810	1,760	3,720	5,540	6,140	1,090	218	105
3	92	528	822	886	1,930	1,540	7,210	5,240	6,560	1,040	194	105
4	82	711	774	1,470	1,760	1,590	9,390	5,240	6,780	924	182	106
5	92	1,020	726	4,470	1,990	1,490	8,460	5,940	6,780	933	175	125
6	74	703	696	2,430	2,500	1,490	7,120	7,220	6,780	846	194	122
7	105	549	696	1,810	3,270	3,640	12,400	8,100	6,340	798	179	102
8	97	584	703	3,340	3,120	2,980	32,900	8,340	5,640	734	161	92
9	109	453	703	3,570	2,560	2,360	15,100	8,580	4,840	696	157	96
10	104	507	703	2,980	2,360	1,990	9,780	8,100	4,340	661	147	104
11	114	528	710	2,050	2,050	1,760	7,880	7,440	4,440	626	142	117
12	108	470	726	1,700	1,930	1,700	7,220	7,220	4,740	612	171	120
13	98	542	742	1,490	1,810	1,930	7,220	6,780	4,150	591	171	154
14	110	528	1,230	1,700	1,930	2,500	7,440	6,560	3,450	598	122	116
15	103	961	2,300	1,810	1,760	2,840	14,600	6,780	2,970	612	120	94
16	195	1,280	1,300	2,050	1,540	2,430	13,700	6,560	2,530	718	120	92
17	380	878	1,150	2,300	1,440	2,170	10,300	5,840	2,460	626	154	113
18	117	1,370	1,110	2,630	1,440	2,050	8,340	5,440	2,530	538	160	122
19	130	2,110	990	2,300	1,540	1,930	7,880	5,640	2,530	505	145	125
20	119	1,640	942	1,810	1,760	1,870	8,820	6,340	2,530	492	156	197
21	95	1,120	878	1,540	1,870	2,500	9,540	7,000	2,320	434	151	110
22	192	1,020	878	1,360	1,760	2,300	8,100	8,100	2,200	398	148	92
23	186	1,070	862	1,330	1,700	2,430	7,220	8,580	2,010	368	197	106
24	174	1,440	806	1,390	1,640	2,430	7,440	8,100	1,850	339	132	123
25	143	1,160	766	1,540	1,490	2,240	6,780	7,440	1,640	317	115	136
26	127	998	758	1,700	1,390	2,170	7,220	8,100	1,550	306	105	127
27	142	990	862	1,700	1,300	2,300	7,440	8,100	1,550	301	132	164
28	105	974	878	1,700	1,370	2,360	8,580	7,220	1,510	291	134	123
29	102	878	670	1,700	-	2,630	10,500	6,780	1,360	275	142	90
30	247	670	1,160	1,700	-	3,120	8,340	5,440	1,250	257	175	194
31	350	-	1,150	1,700	-	3,570	-	4,540	-	214	100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,265	380	74	138	8,460
November	26,840	2,110	453	895	53,240
December	28,765	2,300	696	928	57,050
Calendar year 1934	397,115	11,000	55	1,088	787,400
January	60,024	4,470	878	1,936	119,100
February	52,780	3,270	1,300	1,885	104,700
March	70,120	3,640	1,490	2,262	139,100
April	284,440	32,900	3,720	9,481	564,200
May	212,540	8,580	4,540	6,859	421,800
June	109,090	6,780	1,250	3,636	216,400
July	18,260	1,120	214	589	36,220
August	4,801	218	100	155	9,520
September	3,574	197	90	119	7,090
Water year 1934-35	875,599	32,900	74	2,399	1,737,000

American River at Fair Oaks, Calif.

Location.- Water-stage recorder, lat. 38°38'15", long. 121°15'55", just above highway bridge at Fair Oaks, Sacramento County, 10 miles below South Fork. Altitude, about 72 feet.

Drainage area.- 1,921 square miles (revised).

Records available.- November 1904 to September 1935 (various locations but all near the highway bridge).

Average discharge.- 30 years (1905-35), 3,593 second-feet.

Extremes.- Maximum discharge during year, 60,900 second-feet Apr. 8 (gage height, 20.73 feet); minimum, 72 second-feet Oct. 16.
1904-35: Maximum discharge, 182,000 second-feet Mar. 25, 1928 (gage height, 31.45 feet, present datum); minimum, 3.6 second-feet Aug. 16, 1924.

Remarks.- Records good except those for Apr. 20, May 7, 8, June 14-17, which are fair and were estimated from records on the North and South Forks. Storage, many diversions, and power plants above station; some inflow from Bear and Yuba River Basins.

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	179	646	1,020	1,300	2,200	2,840	4,860	10,500	8,020	1,920	350	216
2	168	613	1,090	1,160	2,300	2,560	4,860	8,980	9,220	1,840	370	192
3	168	659	1,020	1,120	2,400	2,250	8,310	8,260	9,740	1,800	350	188
4	191	773	960	1,480	2,350	2,200	14,300	8,020	10,300	1,660	330	188
5	159	1,390	900	6,240	2,450	2,300	13,000	8,500	10,500	1,530	290	198
6	163	1,050	870	3,890	2,900	2,050	10,000	9,740	10,500	1,500	330	233
7	183	743	788	2,620	4,020	5,790	11,700	11,900	10,000	1,430	330	222
8	185	745	815	4,290	4,300	5,310	49,300	12,200	8,980	1,310	310	208
9	176	603	815	5,460	3,760	4,160	23,300	12,700	7,800	1,250	296	199
10	181	627	815	5,010	3,630	3,380	14,800	12,500	7,140	1,170	291	194
11	182	647	815	3,380	3,140	2,840	11,900	11,600	7,140	1,080	287	213
12	197	559	842	2,620	2,900	2,670	10,500	11,300	7,360	1,030	283	228
13	188	579	870	2,200	2,670	2,840	10,300	10,300	6,500	1,030	272	242
14	225	605	1,120	2,300	2,780	3,380	10,000	10,300	5,900	1,030	290	256
15	183	928	3,260	3,380	2,670	3,890	17,100	10,500	5,000	1,030	225	230
16	159	1,770	2,100	3,380	2,350	3,630	21,300	10,300	4,500	1,080	216	204
17	372	1,280	1,540	3,380	2,200	3,250	15,800	9,220	4,400	1,140	224	178
18	316	1,720	1,460	4,160	2,100	3,020	12,700	8,500	4,320	948	270	214
19	199	2,900	1,260	4,020	2,150	2,840	11,600	8,980	4,140	920	270	238
20	211	2,670	1,160	2,840	2,400	2,670	12,700	9,740	4,230	845	224	234
21	203	1,640	1,120	2,300	2,670	3,620	13,300	10,800	3,980	820	245	290
22	168	1,300	1,090	2,050	2,450	3,890	12,200	12,500	3,680	720	244	220
23	314	1,260	1,060	2,000	2,400	3,890	10,800	12,700	3,460	635	249	211
24	296	1,860	990	1,950	2,350	4,020	10,800	12,700	3,060	539	303	200
25	285	1,680	930	2,100	2,100	3,500	10,300	11,300	2,710	503	244	240
26	255	1,340	930	2,200	1,950	3,260	10,300	12,500	2,500	449	206	238
27	244	1,190	990	2,250	1,860	3,380	10,500	12,200	2,360	441	182	254
28	276	1,220	1,220	2,250	1,900	3,500	11,600	11,100	2,320	449	222	245
29	213	1,160	1,190	2,200	-	3,630	13,600	10,500	2,190	405	230	255
30	184	1,060	1,460	2,200	-	4,020	13,600	8,740	2,110	400	270	190
31	379	-	1,640	2,200	-	4,580	-	7,360	-	360	272	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,802	379	159	219	13,490
November	35,217	2,900	559	1,174	69,850
December	36,140	3,260	788	1,166	71,680
Calendar year 1934	555,313	13,300	77	1,521	1,103,000
January	87,930	6,240	1,120	2,836	174,400
February	73,350	4,300	1,860	2,620	145,500
March	105,170	5,790	2,050	3,393	208,600
April	405,330	49,300	4,860	13,510	804,000
May	326,440	12,700	7,360	10,530	647,500
June	174,060	10,500	2,110	5,802	345,200
July	31,264	1,920	360	1,009	62,010
August	8,475	370	182	273	16,810
September	6,618	290	178	221	13,130
Water year 1934-35	1,296,796	49,300	159	3,553	2,572,000

American River at Sacramento, Calif.

Location.- Water-stage recorder, lat. 38°34'5", long. 121°25'20", at H Street Bridge, in city of Sacramento, Sacramento County, 6¾ miles above mouth. Altitude, about 23 feet.

Records available.- July to October 1921, October 1929 to October 1932, May 1934 to October 1935 (low-water records only). Gage-height record for high-water periods in years 1926-35 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1935, 149 second-feet Aug. 29.
1921, 1929-32, 1934-35: Minimum discharge, 21 second-feet Aug. 14, 1931.

Remarks.- Records fair. Discharge estimated July 25 to Aug. 7, Aug. 17-19, Oct. 2, 3, 12-14, 23, 31 on basis of records for station at Fair Oaks. Storage, many diversions, power plants, some inflow from Bear and Yuba River Basins, above station.

Discharge, in second-feet, 1934-35

Day	Oct.	July	Aug.	Sept.	Oct.
1	174	-	390	230	255
2	170	-	390	200	240
3	162	-	370	196	340
4	170	-	350	189	373
5	191	-	310	185	411
6	166	-	350	226	395
7	162	-	350	200	373
8	204	-	328	207	384
9	178	-	323	200	318
10	178	-	309	185	343
11	178	-	300	200	313
12	191	-	272	219	350
13	183	-	281	234	450
14	204	-	304	230	450
15	221	-	251	234	654
16	140	-	234	200	690
17	212	-	240	192	788
18	385	-	290	192	579
19	212	802	290	222	553
20	208	772	251	234	534
21	183	742	259	272	395
22	136	795	268	230	510
23	234	825	255	200	510
24	281	654	286	219	516
25	281	610	247	211	492
26	267	560	234	230	486
27	244	550	203	251	474
28	262	550	230	247	457
29	239	500	219	226	516
30	195	460	255	215	457
31	305	410	255	-	460

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
October	6,516	385	136	210	12,920
1935					
July 19-31	8,230	825	410	633	16,320
August	8,894	390	203	287	17,640
September	6,476	272	185	216	12,840
October	14,066	788	240	454	27,900
The period					74,700

Middle Fork of American River near Auburn, Calif.

Location.- Water-stage recorder, lat. 38°55', long. 121°, in NW¼ sec. 5, T. 12 N., R. 9 E., at Mountain Quarry Co.'s plant 1.7 miles above junction with North Fork of American River and 3½ miles northeast of Auburn (station designated "near East Auburn" in former reports). Altitude, about 580 feet.

Drainage area.- 619 square miles (revised).

Records available.- December 1930 to September 1935; October 1911 to December 1930, at staff gage half a mile downstream.

Average discharge.- 24 years, 1,290 second-feet.

Extremes.- Maximum discharge during year, 25,000 second-feet Apr. 8 (gage height, 19.5 feet); minimum, 35 second-feet Oct. 16.
1911-35: Maximum discharge, about 100,000 second-feet Mar. 25, 1928 (gage height, 35.6 feet, former site and datum); minimum, 20 second-feet Sept. 6, 1931, Sept. 19, 1934.

Remarks.- Records excellent. Storage reservoirs and diversions above station are small.

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	138	289	297	798	865	2,430	4,220	3,610	730	161	75
2	38	169	284	279	865	842	2,370	3,610	4,110	690	158	72
3	37	180	241	265	935	775	5,000	3,520	4,450	614	157	70
4	40	411	232	624	1,010	842	6,000	3,520	4,570	596	149	68
5	40	478	218	1,920	1,280	798	5,440	4,000	4,570	578	144	68
6	40	300	196	1,040	1,680	842	4,450	4,930	4,570	544	140	67
7	40	214	192	752	2,130	1,680	8,400	5,720	4,220	512	136	66
8	43	169	185	1,340	1,900	1,460	18,600	5,720	3,700	467	132	66
9	48	143	180	1,460	1,570	1,160	8,420	6,000	3,260	436	126	65
10	46	127	178	1,160	1,360	985	5,580	5,720	3,020	424	120	62
11	43	113	196	798	1,180	935	4,450	5,440	3,020	396	114	62
12	39	104	206	630	1,060	960	4,110	5,180	3,180	383	109	61
13	38	99	216	530	1,040	1,140	4,220	4,690	2,780	383	103	59
14	38	95	665	670	1,060	1,520	4,450	4,690	2,430	383	99	58
15	36	293	1,210	710	960	1,740	9,400	4,810	2,010	396	98	59
16	36	443	650	798	865	1,460	8,240	4,690	1,790	396	97	61
17	48	379	478	935	820	1,260	6,160	4,000	1,790	370	97	61
18	60	630	385	1,110	842	1,180	4,930	3,800	1,840	344	96	59
19	61	960	328	888	985	1,140	4,930	4,000	1,840	344	94	56
20	57	752	302	670	1,110	1,080	5,860	4,330	1,900	311	91	55
21	62	443	287	570	1,160	1,460	6,460	4,930	1,740	290	89	54
22	87	344	272	512	1,080	1,280	5,540	5,580	1,620	268	86	54
23	99	407	265	495	1,080	1,360	4,690	5,720	1,520	247	81	53
24	118	690	246	550	1,010	1,310	4,930	5,580	1,310	231	79	53
25	91	426	234	650	910	1,210	4,450	5,180	1,140	220	77	54
26	79	358	221	730	842	1,180	4,810	5,720	1,060	211	76	54
27	69	361	260	752	775	1,280	5,180	5,440	1,110	201	76	54
28	63	323	279	752	775	1,410	6,000	4,930	1,080	192	76	52
29	60	284	270	730	-	1,570	7,160	4,570	935	184	77	51
30	59	270	404	752	-	1,960	5,580	3,700	842	176	77	50
31	79	-	361	752	-	2,310	-	3,100	-	168	75	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,735	118	36	56.0	3,440
November	10,103	960	95	337	20,040
December	9,930	1,210	178	320	19,700
Calendar year 1934	211,427	5,980	21	579	419,600
January	24,121	1,920	265	778	47,840
February	31,082	2,130	775	1,110	61,650
March	38,994	2,310	775	1,258	77,340
April	178,260	18,600	2,370	5,942	353,600
May	147,040	6,000	3,100	4,743	291,600
June	75,017	4,570	842	2,501	148,800
July	11,687	730	168	377	23,180
August	3,289	161	75	106	6,520
September	1,799	75	50	60.0	3,570
Water year 1934-35	533,057	18,600	36	1,460	1,057,000

South Fork of American River near Kyburz, Calif.

Location.- Water-stage recorder, lat. 38°46', long. 120°19', in S½ sec. 29, T. 11 N., R. 15 E., on Lincoln Highway 0.3 mile below Silver Fork of South Fork of American River and 2 miles west of Kyburz. Altitude, about 4,030 feet.

Drainage area.- 196 square miles.

Records available.- August to December 1907, October 1922 to September 1935.

Average discharge.- 13 years (1922-35), 213 second-feet.

Extremes.- Maximum discharge during year, 2,530 second-feet May 25 (gage height, 6.18 feet); minimum, 0.7 second-foot Dec. 5.
1922-35: Maximum discharge, 5,020 second-feet Mar. 25, 1928 (gage height, 7.60 feet); minimum, 0.3 second-foot Nov. 9-11, 1929.

Remarks.- Records good except those for low stages and those affected by ice, Jan. 7-22, which are fair. (See record for El Dorado Canal, which diverts half a mile above station.) Storage and other diversions 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	2.4	23	1.5	15	21	40	306	760	1,410	245	7	6
2	2.2	2.0	1.4	16	25	39	284	692	1,660	201	7.5	6
3	2.4	8	4.5	12	28	36	520	674	1,760	138	5.5	8
4	2.4	108	3.4	64	32	28	449	728	1,820	120	9.5	24
5	2.5	21	1.3	82	68	24	437	920	1,880	108	7.5	7
6	2.5	2.2	1.6	46	138	35	366	1,230	1,820	125	6	5.5
7	2.6	1.6	1.5	38	125	22	525	1,360	1,820	111	8	6.5
8	2.4	1.5	1.5	28	85	30	786	1,410	1,610	97	7.5	6.5
9	2.2	1.7	1.5	30	64	27	475	1,460	1,460	81	25	6
10	2.2	1.5	1.5	21	51	30	449	1,410	1,410	76	15	21
11	2.4	1.5	1.5	21	46	28	462	1,320	1,410	70	9	7.5
12	2.5	1.5	1.5	10	36	54	493	1,280	1,320	65	6	5
13	2.4	1.5	12	18	37	94	664	1,230	1,190	66	8	6.5
14	2.5	1.5	98	13	33	159	786	1,320	1,060	76	7.5	5.5
15	2.4	34	37	18	18	144	1,190	1,360	886	96	6	5
16	2.4	38	9	13	28	110	786	1,280	812	90	5.5	5
17	2.6	11	7.5	22	32	94	628	1,100	786	77	5.6	5.5
18	2.1	18	6	23	49	88	606	1,100	748	85	6	5.5
19	2.0	37	4.7	9	72	77	780	1,280	767	48	5.5	5.5
20	2.0	9	2.2	24	90	71	990	1,460	735	31	8	12
21	2.7	56	1.6	34	70	69	1,030	1,660	710	20	7	22
22	5	33	1.6	20	66	77	886	1,820	634	4.7	6	8
23	1.8	45	2.7	16	68	70	920	1,880	554	1.9	4.9	6.5
24	1.7	14	10	20	48	61	955	1,820	480	4.9	5	8.5
25	1.8	3.6	9.5	24	44	65	920	1,880	441	5.5	5	7.5
26	1.8	1.5	9	29	44	77	990	1,930	338	5	10	12
27	1.7	1.5	6	29	44	105	1,060	1,660	322	6	25	6
28	1.7	1.5	11	26	40	125	1,190	1,510	314	5.5	5.5	5
29	1.7	1.5	21	19	-	178	1,320	1,360	358	7	6	4.9
30	1.8	1.5	22	18	-	251	920	1,140	278	8	4.9	4.7
31	5	-	8	18	-	298	-	1,140	-	8.5	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	73.8	6	1.7	2.38	146
November	482.6	108	1.5	16.1	957
December	301.5	98	1.3	9.73	598
Calendar year 1934	28,534.0	1,160	1.3	78.2	56,640
January	776	82	9	25.0	1,540
February	1,502	138	18	53.6	2,980
March	2,606	298	22	84.1	5,170
April	22,073	1,320	284	736	43,780
May	41,174	1,930	674	1,328	81,670
June	30,793	1,880	278	1,026	61,080
July	2,083.0	245	1.9	67.2	4,130
August	249.8	25	4.9	8.06	495
September	243.6	24	4.7	8.12	483
Water year 1934-35	102,358.3	1,930	1.3	280	203,000

South Fork of American River near Camino, Calif.

Location.- Water-stage recorder, lat. 38°48', long. 120°42', in SW¼ sec. 25, T. 11 N., R. 11 E., 1 mile below intake of flume of South Fork of American River, 300 feet above mouth of Iowa Canyon Creek, and 3 miles northwest of Camino. Altitude, about 1,640 feet.

Drainage area.- 497 square miles.

Records available.- October 1922 to September 1935.

Average discharge.- 13 years, 627 second-feet.

Extremes.- Maximum discharge during year, 10,700 second-feet Apr. 8 (gage height, 14.7 feet); minimum, 4.2 second-feet Sept. 30.
1922-35: Maximum discharge, 31,500 second-feet Mar. 25, 1928 (gage height, 24.4 feet); minimum, 1.2 second-feet Aug. 24, 1931.

Remarks.- Records excellent. Four storage reservoirs and several diversions above station (see records for South Fork of American River flume, El Dorado Canal, and Finnon Reservoir outlet).

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

-0.2	0	1.2	30	3.2	266	8.0	2,320
.0	.5	1.4	42	3.6	340	9.0	3,140
.2	1.5	1.6	58	4.0	428	10.0	4,120
.4	3.5	1.8	76	4.5	568	11.0	5,280
.6	7	2.0	96	5.0	730	12.0	6,620
.8	12	2.4	142	6.0	1,130	13.2	8,300
1.0	20	2.8	200	7.0	1,660	15.0	11,200

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	32	91	86	132	360	428	1,130	2,480	2,880	506	71	20
2	37	124	74	182	382	428	1,080	2,180	3,500	583	74	26
3	28	119	102	239	382	416	2,970	2,040	3,700	416	70	41
4	26	320	81	337	416	416	3,410	2,180	3,800	371	50	32
5	30	254	73	573	454	330	2,800	2,640	3,900	360	70	43
6	33	109	52	404	695	350	2,180	3,320	3,700	350	71	42
7	25	94	61	345	950	404	4,550	3,800	3,500	320	72	36
8	17	103	48	400	835	441	7,600	3,900	3,140	293	56	26
9	24	52	60	482	695	404	3,410	4,010	2,720	284	66	36
10	25	56	52	428	568	393	2,400	3,800	2,560	266	64	37
11	25	32	65	360	538	393	2,040	3,500	2,640	248	44	44
12	59	22	86	320	416	350	2,040	3,410	2,560	248	58	40
13	44	18	98	284	382	454	2,180	3,140	2,180	232	40	48
14	15	17	274	302	416	730	2,400	3,320	1,900	240	40	48
15	9.5	182	378	248	416	800	5,160	3,320	1,540	266	42	17
16	16	202	295	227	382	695	4,120	3,050	1,360	266	57	36
17	17	214	268	248	393	628	3,050	2,640	1,380	248	40	36
18	12	315	192	382	404	598	2,560	2,480	1,300	240	18	38
19	10	488	153	266	382	494	2,800	2,880	1,330	227	45	30
20	7	288	186	257	494	480	3,320	3,320	1,360	173	35	46
21	23	133	206	275	568	613	3,600	3,800	1,260	145	35	44
22	28	172	238	240	538	538	3,140	4,230	1,160	150	52	31
23	45	244	205	190	538	568	2,880	4,340	1,010	111	46	45
24	52	304	145	275	480	523	3,050	4,340	910	101	33	24
25	42	185	82	320	416	538	2,800	4,120	835	140	22	34
26	68	150	128	350	360	568	2,960	4,230	748	92	34	38
27	35	150	254	330	340	613	3,140	3,900	712	96	38	48
28	21	160	270	340	382	695	3,600	3,500	695	83	54	32
29	13	80	238	266	-	835	4,560	3,320	695	89	42	14
30	20	104	272	257	-	910	3,230	2,480	613	80	50	26
31	50	-	186	311	-	1,030	-	2,180	-	78	39	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	888.5	68	7	28.7	1,760
November	4,782	488	17	159	9,480
December	4,908	378	48	158	9,730
Calendar year 1934	109,047.6	2,850	4.6	299	216,200
January	9,570	573	132	309	18,980
February	13,582	950	340	485	26,940
March	17,033	1,030	330	550	33,640
April	94,160	7,600	1,080	3,139	186,800
May	101,850	4,340	2,040	3,285	202,000
June	59,628	3,900	613	1,988	118,300
July	7,304	583	78	236	14,490
August	1,526	74	18	49.3	3,030
September	1,060	48	14	35.3	2,100
Water year 1934-35	316,323.5	7,600	7	867	627,400

South Fork of American River at Coloma, Calif.

Location.- Water-stage recorder, lat. 38°48', long. 120°53', in SW¼ sec. 17, T. 11 N., R. 10 E., at highway bridge at Coloma, 0.6 mile below Irish Creek. Altitude, about 740 feet (revised).

Drainage area.- 635 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year, 13,300 second-feet Apr. 8 (gage height, 16.85 feet); minimum, 83 second-feet Oct. 21.
1929-35: Maximum discharge, that of Apr. 8, 1935; minimum, 17 second-feet Aug. 25, 1931.

Remarks.- Records excellent. Irrigation diversions, four storage reservoirs, and two power plants above station.

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

6.7	58	8.0	440	9.8	1,580	13.0	5,600
6.6	74	8.2	530	10.2	1,930	14.0	7,300
7.0	114	8.4	630	10.6	2,300	15.0	9,300
7.2	164	8.6	740	11.0	2,700	16.0	11,500
7.4	220	8.8	860	11.5	3,300	17.0	13,800
7.6	285	9.0	990	12.0	3,980		
7.8	360	9.4	1,270	12.5	4,700		

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	105	200	247	288	454	545	1,460	3,000	3,120	674	189	143
2	110	220	232	274	476	555	1,420	2,600	3,700	770	189	128
3	116	226	206	292	490	516	3,380	2,500	3,980	605	189	121
4	107	347	241	581	526	560	4,540	2,550	4,260	530	189	136
5	105	422	226	1,170	625	530	3,910	2,940	4,260	526	148	136
6	116	278	181	630	914	545	3,000	3,630	4,120	512	178	143
7	119	206	189	485	1,270	1,160	4,690	4,260	3,840	494	184	143
8	99	203	186	976	1,130	872	10,000	4,260	3,490	458	178	133
9	96	186	186	1,060	983	729	4,860	4,400	3,120	436	170	126
10	105	175	189	770	854	652	3,300	4,260	2,880	396	184	138
11	110	159	181	555	776	663	2,760	3,910	2,820	396	178	136
12	119	110	209	454	712	674	2,600	3,840	2,880	376	141	151
13	143	121	223	408	685	764	2,700	3,490	2,550	360	161	138
14	99	101	462	761	724	941	2,880	3,630	2,250	364	148	151
15	76	379	620	652	625	1,060	5,860	3,700	1,880	360	148	154
16	88	342	458	652	555	896	5,340	3,420	1,660	396	159	110
17	105	372	346	724	555	818	3,980	3,000	1,660	372	170	133
18	105	636	307	934	535	770	3,360	2,760	1,580	344	148	138
19	94	788	263	668	585	718	3,360	3,180	1,580	340	124	143
20	78	535	292	454	674	707	3,840	3,560	1,580	310	161	138
21	83	324	296	458	712	1,020	4,120	3,980	1,500	271	154	143
22	124	274	272	454	636	854	3,630	4,540	1,420	244	146	159
23	138	384	242	416	652	990	3,240	4,700	1,270	235	161	128
24	148	503	232	432	600	902	3,490	4,540	1,130	203	161	143
25	156	372	238	444	530	830	3,240	4,260	1,060	198	141	119
26	154	268	200	476	540	794	3,360	4,540	927	209	121	138
27	161	296	288	454	516	854	3,420	4,260	890	206	138	141
28	136	310	364	476	498	908	3,980	3,840	578	203	143	156
29	103	278	316	472	-	990	5,020	3,770	860	181	156	126
30	107	217	420	462	-	1,200	3,840	2,880	794	195	143	103
31	148	-	384	454	-	1,340	-	2,500	-	189	161	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,553	161	76	115	7,050
November	9,232	788	101	308	18,310
December	8,696	620	181	281	17,250
Calendar year 1934	158,808	3,240	34	435	315,400
January	17,786	1,170	274	574	35,280
February	18,832	1,270	454	673	37,350
March	25,357	1,340	516	818	50,290
April	114,580	10,000	1,420	3,819	227,300
May	112,700	4,700	2,500	3,635	223,500
June	67,939	4,260	794	2,265	134,800
July	11,353	770	181	366	22,520
August	4,921	189	121	159	9,760
September	4,095	159	103	136	8,120
Water year 1934-35	399,044	10,000	76	1,093	791,500

Echo Lake flume near Vade, Calif.

Location.- Water-stage recorder, lat. 38°50', long. 120°2', in NW¼ sec. 6, T. 11 N., R. 18 E., half a mile below intake and 2 miles northeast of Phillips, Vade post office. Altitude, about 7,500 feet.

Records available.- August 1923 to September 1935.

Extremes.- Maximum mean daily discharge during year, 20 second-feet Sept. 17; no flow most of year.
1923-35: Maximum mean daily discharge, 25 second-feet Sept. 16-18, 1930; no flow most of each year.

Remarks.- Records good. Flume diverts water from Echo Lake in Truckee River Basin into South Fork of American River Basin for power development.

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	3.5										0
2	8	4.7										0
3	7	6.5										0
4	6.5	7.5										0
5	6	7.5										0
6	5	7.5										0
7	4.6	7.5										0
8	3.9	7										0
9	3.6	7										0
10	3.2	7										0
11	2.9	7										0
12	2.7	6.5										0
13	2.2	6										8.5
14	1.5	6										19
15	1.4	6										19
16	1.5	6.5										19
17	1.7	6.5										20
18	1.8	*6										19
19	1.6	*4										19
20	1.7	0										19
21	1.9	0										19
22	5.5	0										19
23	8.5	0										19
24	7.5	0										19
25	7	0										19
26	6.5	0										19
27	6	0										18
28	5.5	0										18
29	5.5	0										18
30	5	0										19
31	3.7	-										-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	140.4	11	1.4	4.53	278
November	120.2	7.5	0	4.01	238
December	0	0	0	0	0
Calendar year 1934	684.6	20	0	1.88	1,360
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	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	329.5	20	0	11.0	654
Water year 1934-35	590.1	20	0	1.62	1,170

*Estimated.

Note.- No flow during months left blank.

Medley Lakes outlet near Vade, Calif.

Location.- Water-stage recorder, lat. 38°51', long. 120°8', in SW¼ sec. 29, T. 12 N., R. 17 E., 1 mile below main dam at Medley Lakes and 5 miles northwest of Phillips, Vade post office. Altitude, about 8,100 feet.

Drainage area.- 6.2 square miles.

Records available.- September 1922 to September 1935.

Extremes.- Maximum discharge during year, 87 second-feet Aug. 8 (gage height, 2.22 feet); probably no flow at times during winter.
1922-35: Maximum discharge, 202 second-feet June 15, 16, 1929 (gage height, 3.42 feet); no flow at times.

Remarks.- Records good except those for Oct. 1-8, Dec. 27 to May 1, May 8 to June 17, which are fair and were estimated from records of gate openings, lake elevation, and occasional staff-gage readings. No available storage in Medley Lakes above station on Sept. 30, 1934, or Sept. 30, 1935.

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

0	0	0.7	5.5	1.4	30	2.2	85
.1	.2	.8	7.5	1.5	35	2.4	103
.2	.4	.9	10	1.6	41	2.6	121
.3	.6	1.0	13	1.7	47	2.8	140
.4	1.5	1.1	16	1.8	54	3.1	170
.5	2.5	1.2	20	1.9	61		
.6	4.0	1.3	25	2.0	69		

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	0.4	6	12					1.5	42	3.7	43	25
2	.4	7.5	9.5					1.5	42	3.8	41	25
3	.4	9.5	8.5					1.5	42	4.3	40	18
4	.3	16	8					1.7	42	6.5	40	4.2
5	.3	15	6					3.0	44	24	40	2.8
6	.3	15	6					5	56	43	44	2.5
7	.3	15	5.5					7	76	42	48	2.5
8	.3	16	5					7	76	30	70	2.5
9	.3	16	4.6					7	76	20	86	2.5
10	4.8	15	4.4					7	74	20	85	2.5
11	10	15	4.3					7	74	22	84	2.4
12	6.5	14	4.2					8	72	26	83	2.4
13	4.4	11	4.6					8	62	34	83	2.5
14	3.2	9	6.5					8	42	42	81	2.5
15	2.5	13	7					8	43	46	80	2.5
16	2.6	15	6.5					8	44	46	79	2.5
17	3.0	16	6.5					9	45	44	79	2.5
18	3.7	18	6.5					9	46	42	77	2.5
19	4.0	20	5.5					9	47	35	76	7
20	3.8	18	5.5					9	45	30	75	26
21	3.8	18	5					10	44	26	74	25
22	4.8	18	4.9					10	44	18	73	24
23	5	20	4.8					10	27	14	72	22
24	5	18	4.4					28	6.5	18	71	21
25	5.5	18	4.3					42	6	32	69	27
26	5	17	4.0					42	6.5	34	69	33
27	4.8	16	4					42	8	41	67	29
28	4.4	16	4					42	6.5	40	67	20
29	4.2	15	4					42	5.5	43	65	10
30	3.8	14	4					42	4.9	45	47	7
31	4.0	-	4					42	-	43	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	101.8	10	0.3	3.28	202
November	450.0	20	6	15.0	893
December	174.0	12	4.0	5.61	345
Calendar year 1934	3,947.6	82	.2	10.8	7,820
January	-	-	-	2.0	123
February	-	-	-	1.0	56
March	-	-	-	1.0	61
April	-	-	-	1.0	60
May	477.2	42	1.5	15.4	947
June	1,252.9	78	4.9	41.8	2,490
July	918.3	46	3.7	29.6	1,820
August	2,034	86	26	65.6	4,030
September	358.3	33	2.4	11.9	711
Water year 1934-35	5,917.5	86	.3	16.2	11,740

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Silver Lake outlet near Kirkwood, Calif.

Location.- Water-stage recorder, lat. 38°40', long. 120°8', in SW¼ sec. 32, T. 10 N., R. 17 E., 1,000 feet below Silver Lake Dam and 3 miles southwest of Kirkwood. Altitude, about 7,200 feet.

Drainage area.- 14.9 square miles.

Records available.- September 1922 to September 1935.

Average discharge.- 13 years, 27.6 second-feet.

Extremes.- Maximum discharge during year, 291 second-feet May 25 (gage height, 3.78 feet); minimum, 0.1 second-foot Oct. 19.
1922-35: Maximum discharge, 374 second-feet July 1, 1932 (gage height, 4.28 feet); minimum, 0.1 second-foot during part of nearly every year, when gate was closed.

Remarks.- Records excellent except those for Nov. 19-30, which are fair and were estimated. Storage in Silver Lake was 2,100 acre-feet on Sept. 30, 1934, and 2,550 acre-feet On Sept. 30, 1935. In addition to water released from controlled outlet, some water escapes from Silver Lake through porous rock formation (see Seepage from Silver Lake near Kirkwood, Calif.).

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

0.3	0	0.9	9.5	2.0	93	3.2	216
.4	.1	1.0	14	2.2	111	3.4	240
.5	.2	1.2	25	2.4	131	3.6	265
.6	1.0	1.4	40	2.6	151	3.8	291
.7	3.0	1.6	57	2.8	172	4.0	323
.8	6.0	1.8	75	3.0	194	4.3	374

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	57	6	11	9	9	17	20	63	111	10	1.0	0.7
2	54	6	11	9	9	16	20	63	218	13	1.8	.8
3	52	6.5	10	9	9	16	22	63	229	3.6	1.2	2.0
4	50	7.5	5.5	8.5	9.5	16	23	62	246	3.6	1.0	1.4
5	47	8	3.6	9.5	9.5	16	23	63	252	3.6	1.2	.8
6	45	7.5	2.4	9	10	12	23	66	252	3.6	.7	1.0
7	42	7	4.5	9	11	15	24	70	240	2.8	.4	2.6
8	40	6.5	9.5	10	11	46	24	74	185	2.6	.7	2.2
9	38	6	10	10	12	38	24	94	166	2.2	.9	1.8
10	34	6	9	10	11	15	24	117	172	1.8	.9	68
11	31	5.5	9	9.5	12	14	24	103	183	1.4	1.0	107
12	29	5	8.5	9.5	12	14	24	146	188	1.0	.7	106
13	27	4.8	8.5	9.5	12	14	24	151	172	1.4	.8	105
14	24	4.5	9	9	12	14	26	166	146	2.6	1.6	103
15	21	6	9.5	12	13	16	28	188	70	2.4	.9	101
16	19	7	9.5	9.5	12	16	31	183	71	2.0	.6	99
17	9.5	8	9.5	11	12	16	32	147	86	2.2	.5	98
18	.2	9	9.5	12	12	16	33	146	101	2.8	1.0	96
19	7.5	9	9.5	18	12	15	34	166	125	2.2	2.2	95
20	14	9	9	12	13	15	36	194	116	1.4	1.6	93
21	13	10	9	12	14	14	39	228	98	1.6	.9	90
22	12	10	9	12	13	16	42	252	35	2.2	.6	88
23	10	11	9	12	14	16	44	249	9	1.6	.6	87
24	9.5	11	9	10	18	16	46	278	22	1.4	.8	84
25	9	11	9	10	17	15	49	272	37	1.6	.6	81
26	8	11	9	9.5	20	14	52	135	28	1.6	1.0	76
27	7.5	11	10	9.5	19	14	55	4.8	29	2.2	3.3	72
28	6.5	11	9	9.5	18	15	58	4.8	51	1.8	2.8	70
29	6	11	9	9.5	-	16	62	2.6	24	1.4	2.2	68
30	5.5	11	9	9.5	-	18	62	14	6.5	1.8	1.8	65
31	5.5	-	9	9	-	18	-	46	-	1.0	1.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	733.7	57	0.2	23.7	1,460
November	242.8	11	4.5	8.09	482
December	268.0	11	2.4	8.65	532
Calendar year 1934	4,511.5	106	.1	12.4	8,960
January	317.5	18	8.5	10.2	630
February	356.0	20	9	12.7	706
March	529	46	12	17.1	1,050
April	1,028	62	20	34.3	2,040
May	3,811.2	278	2.6	123	7,560
June	3,667.5	252	8.5	122	7,270
July	84.4	13	1.0	2.72	167
August	36.3	3.3	.4	1.17	72
September	1,865.3	107	.7	62.2	3,700
Water year 1934-35	12,939.7	278	.2	35.5	25,670

Seepage from Silver Lake near Kirkwood, Calif.

Location.- Staff gage, lat. 38°40', long. 120°7' in SW¼ sec. 32, T. 10 N., R. 17 E., just above road crossing and half a mile northeast of Silver Lake Dam. Altitude, about 7,200 feet.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge during year, 18 second-feet June 28 to July 13 (gage height, 1.70 feet); no flow during most of each year.

Remarks.- Records good except those for May 9 to June 2, which are fair and were estimated from lake levels. No flow when Silver Lake gage height is below 14.0 feet. This record shows amount of largest and only important seepage from Silver Lake through the porous rock formation. (See Silver Lake outlet.)

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	12	18	13	4.2
2								0	13	18	13	4.2
3								0	14	18	13	4.2
4								0	15	18	13	4.2
5								0	16	18	13	4.2
6								0	16	18	11	4.2
7								0	16	18	11	4.2
8								0	16	18	11	4.2
9								1	16	18	11	4.2
10								1	16	18	11	4.2
11								1	16	18	11	3.2
12								2	16	18	11	2.2
13								2	16	18	11	1.6
14								2	16	16	11	1.1
15								2	16	16	11	.8
16								2	16	16	11	.4
17								2	16	16	11	.2
18								2	16	16	11	.1
19								2	16	16	9	0
20								3	16	16	7.5	0
21								3	16	16	7.5	0
22								3	16	14	7.5	0
23								3	16	14	7.5	0
24								3	16	14	6	0
25								3	16	14	6	0
26								3	18	14	6	0
27								4	18	14	6	0
28								5	18	14	6	0
29								6	18	14	6	0
30								8	18	13	6	0
31								10	-	13	6	-

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	1,690.1	18	0	4.63	3,360
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	73	10	0	2.35	145
June	480	18	12	16.0	952
July	500	18	13	16.1	992
August	295.0	13	6	9.52	585
September	51.6	4.2	0	1.72	102
Water year 1934-35	1,399.6	18	0	3.83	2,780

Note.- No flow during months left blank.

Silver Fork of South Fork of American River near Kyburz, Calif.

Location.- Water-stage recorder, lat. 38°45', long. 120°17', in NE¼ sec. 34, T. 11 N., R. 15 E., 2 miles above mouth and 2 miles southeast of Kyburz. Altitude, about 4,850 feet.

Drainage area.- 108 square miles.

Records available.- August 1924 to September 1935.

Average discharge.- 11 years, 166 second-feet.

Extremes.- Maximum discharge during year, 1,480 second-feet May 25 (gage height, 4.66 feet); minimum, 8.5 second-feet Oct. 20.
1924-35: Maximum discharge, 3,620 second-feet Mar. 25, 1928 (gage height, 6.54 feet); minimum, 1.4 second-feet Dec. 6, 1929.

Remarks.- Records excellent except those for June 30 to July 23, which are fair and were estimated on basis of records for South Fork of American River near Kyburz. No diversions. Storage in Twin Lakes (capacity, 21,250 acre-feet) and Silver Lake (capacity, 8,900 acre-feet).

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

0	0	1.4	22	2.8	216	4.4	1,210
.2	.2	1.6	35	3.0	270	4.8	1,650
.4	.5	1.8	54	3.2	332	5.2	2,090
.6	1.1	2.0	78	3.4	410	5.6	2,540
.8	2.8	2.2	106	3.6	512	6.0	3,020
1.0	6.5	2.4	138	3.8	644	6.5	3,620
1.2	12.5	2.6	174	4.0	810		

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	68	93	33	89	66	78	216	490	748	160	79	109
2	68	68	26	95	68	78	203	444	880	125	85	114
3	75	70	57	93	69	77	319	453	990	120	85	120
4	77	86	54	105	70	72	267	524	1,040	115	92	140
5	78	39	38	111	98	70	229	687	1,070	115	91	136
6	85	22	43	92	132	72	209	830	1,010	114	89	136
7	89	18	40	81	124	58	329	880	1,020	114	88	140
8	88	19	43	79	102	64	501	930	890	113	86	142
9	86	33	49	81	91	70	297	950	784	112	70	140
10	85	35	47	78	81	73	245	870	722	112	60	156
11	86	38	62	79	78	70	264	801	699	109	55	142
12	86	35	64	70	73	78	322	784	644	107	52	140
13	82	27	77	79	73	100	364	757	602	105	58	145
14	78	17	125	75	69	136	543	850	555	109	61	135
15	81	74	78	77	58	133	801	870	448	118	60	125
16	64	55	58	73	65	114	501	775	397	116	58	124
17	35	40	65	79	68	105	406	652	381	114	60	128
18	20	42	63	77	79	103	402	660	354	102	64	128
19	10	44	69	70	95	99	543	775	385	90	65	128
20	65	38	69	95	106	93	683	850	376	84	70	130
21	81	34	68	86	98	89	667	1,020	376	76	70	125
22	85	35	68	73	96	92	588	1,100	336	66	70	111
23	77	66	61	72	98	92	623	1,140	294	75	69	105
24	74	47	79	73	84	88	630	1,080	288	79	72	112
25	73	42	86	77	84	88	609	1,150	270	78	72	112
26	72	41	86	78	86	98	637	1,090	205	77	78	109
27	69	39	79	79	84	116	683	801	196	75	85	96
28	68	34	88	78	79	130	775	731	214	74	70	88
29	77	34	89	68	-	158	850	675	262	81	75	91
30	79	34	89	68	-	192	574	616	215	81	74	102
31	86	-	79	66	-	214	-	616	-	82	99	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,247	89	10	72.5	4,460
November	1,299	93	17	43.3	2,580
December	2,032	125	26	65.5	4,030
Calendar year 1934	57,370	588	10	102	74,030
January	2,496	111	66	80.5	4,950
February	2,376	132	58	84.9	4,710
March	3,100	214	58	100	6,150
April	14,280	850	203	476	28,320
May	24,831	1,150	444	801	49,250
June	16,651	1,070	196	555	33,030
July	3,098	160	66	99.9	6,140
August	2,262	99	52	73.0	4,490
September	3,709	156	88	124	7,360
Water year 1934-35	78,381	1,150	10	215	155,500

Twin Lakes outlet near Kirkwood, Calif.

Location.- Water-stage recorder, lat. 38°42', long. 120°3', in SW¼ sec. 18, T. 10 N., R. 18 E., 500 feet below main dam and outlet gate of Twin Lakes and 1 mile east of Kirkwood. Altitude, about 7,900 feet.

Drainage area.- 12.4 square miles.

Records available.- September 1922 to September 1935.

Average discharge.- 13 years, 27.4 second-feet (including Twin Lakes spillway).

Extremes.- Maximum discharge during year, 164 second-feet June 23 (gage height, 1.88 feet); minimum, 0.3 second-foot Oct. 17, 18.
1922-35: Maximum discharge, 176 second-feet May 25-28, 1928 (gage height, 1.95 feet); minimum, 0.2 second-foot, leakage at various times.

Remarks.- Records excellent. No diversions. Storage in Twin Lakes was 15,600 acre-feet on Sept. 30, 1934, and 15,200 acre-feet on Sept. 30, 1935. Tables include flow over Twin Lakes spillway, which occurred June 6-11, 13-16, 21, only.

Combined discharge, in second-feet, of Twin Lakes outlet and Twin Lakes spillway, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.9	55	1.5	60	7	1.5	1.5	2.2	129	75	52	92
2	12	50	23	60	3.8	1.5	1.5	2.2	130	39	53	93
3	14	42	34	60	1.5	1.4	1.5	2.2	132	35	56	109
4	19	16	24	60	1.5	1.3	1.5	2.4	134	30	60	117
5	24	.4	24	56	1.5	1.3	1.5	2.6	135	30	59	113
6	31	.7	24	47	1.5	1.5	1.5	2.9	160	30	58	116
7	33	5.5	24	41	1.5	1.5	1.5	2.9	232	30	57	119
8	36	19	24	40	1.5	1.5	1.5	2.9	246	33	51	119
9	36	24	24	40	1.5	1.5	1.5	2.9	244	41	33	119
10	37	24	34	40	1.5	1.5	1.5	2.6	228	44	26	56
11	42	24	40	40	1.5	1.5	1.5	2.9	185	44	24	14
12	41	16	40	40	1.5	1.5	1.5	2.6	157	44	30	21
13	40	4.2	36	40	1.5	1.5	1.7	2.9	178	44	33	17
14	43	31	23	40	1.5	1.5	2.0	2.9	187	50	32	3.8
15	43	18	17	40	1.5	1.5	2.4	2.9	179	61	30	5.5
16	.3	1.5	22	40	1.5	1.5	2.2	3.1	162	61	32	13
17	.3	1.5	31	40	1.5	1.5	2.0	3.1	124	61	36	17
18	.3	1.5	35	40	1.5	1.5	2.0	3.1	110	46	38	19
19	39	1.5	40	40	1.5	1.5	2.2	3.1	112	36	42	22
20	55	1.5	40	40	1.5	1.5	2.6	3.1	128	36	44	23
21	55	4.6	40	37	1.5	1.5	2.6	3.3	154	25	45	7
22	55	12	40	31	1.5	1.5	2.6	3.1	157	19	45	3.0
23	55	4.6	42	31	1.5	1.5	2.6	3.3	161	30	47	12
24	55	1.3	60	31	1.5	1.5	2.4	3.3	161	35	48	17
25	55	1.4	60	31	1.5	1.5	2.4	84	104	35	50	17
26	55	1.5	60	30	1.5	1.5	2.6	128	56	34	55	10
27	55	1.5	61	30	1.5	1.5	2.6	129	58	35	46	5.5
28	58	1.5	61	24	1.5	1.5	2.6	132	96	41	47	11
29	66	1.5	60	17	-	1.5	2.4	132	141	45	50	18
30	66	1.5	60	14	-	1.5	2.4	132	128	48	60	40
31	66	-	60	10	-	1.5	-	129	-	49	81	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,190.8	66	0.3	38.4	2,360
November	368.7	55	.4	12.3	731
December	1,164.5	61	1.5	37.6	2,310
Calendar year 1934	8,744.9	189	.3	24.0	17,340
January	1,190	60	10	38.4	2,360
February	49.8	7	1.5	1.78	99
March	46.0	1.5	1.3	1.48	91
April	60.3	2.6	1.5	2.01	120
May	934.5	132	2.2	30.1	1,850
June	4,508	246	56	150	8,940
July	1,266	75	19	40.8	2,510
August	1,422	81	24	45.9	2,820
September	1,348.8	119	3.0	45.0	2,680
Water year 1934-35	13,549.4	246	.3	37.1	26,870

Note.- Above record is comparable to the sum of the records for Twin Lakes outlet and Twin Lakes spillway, previously published separately.

El Dorado Canal near Kyburz, Calif.

Location.- Water-stage recorder, lat. 38°46', long. 120°19', in SE¼ sec. 29, T. 11 N., R. 15 E., 400 feet below intake and 2 miles west of Kyburz. Altitude, about 4,100 feet.

Records available.- October 1922 to September 1935.

Average discharge.- 13 years, 94.5 second-feet.

Extremes.- Maximum mean daily discharge during year, 151 second-feet June 29; minimum, 16 second-feet Apr. 5.
1922-35: Maximum mean daily discharge, 158 second-feet June 18, 1931; no flow at times in most years.

Remarks.- Records excellent. Canal diverts from left bank of South Fork of American River 2 miles below Kyburz; water used for power and irrigation.

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	86	107	79	105	90	85	75	80	110	148	149	144
2	82	96	60	105	90	85	75	80	110	147	150	148
3	85	99	84	104	90	85	68	92	110	150	148	149
4	84	109	89	98	90	85	66	100	112	149	150	150
5	85	101	64	94	90	84	16	100	115	149	150	149
6	90	86	70	90	80	84	33	100	115	150	148	146
7	96	71	69	80	75	85	80	100	118	149	149	150
8	93	64	69	90	80	85	70	100	119	149	150	150
9	90	76	74	90	85	84	70	100	120	149	150	150
10	85	78	74	90	85	84	17	100	120	150	150	149
11	86	76	88	90	85	84	32	100	120	150	150	146
12	96	72	92	90	85	78	77	100	124	150	148	145
13	89	63	100	90	85	72	78	100	128	150	149	150
14	82	46	95	90	85	67	72	100	130	150	150	143
15	83	91	95	90	81	67	64	100	131	150	149	146
16	72	101	90	90	84	70	60	100	131	150	147	144
17	46	100	96	90	85	70	60	100	131	150	147	148
18	37	98	91	90	85	74	60	100	133	149	149	148
19	27	90	100	90	85	75	62	100	139	149	149	148
20	70	90	101	90	85	75	75	100	141	149	150	148
21	92	30	98	90	85	75	80	100	144	149	150	150
22	100	58	96	90	85	75	80	87	146	141	149	148
23	101	96	88	90	85	75	80	100	145	131	147	144
24	97	96	98	90	85	75	80	100	145	133	149	148
25	93	96	103	90	84	76	80	100	145	142	148	150
26	91	97	104	90	84	75	80	100	145	142	149	150
27	88	92	103	90	85	75	86	100	148	146	150	145
28	86	83	104	90	85	75	90	102	150	145	148	132
29	92	82	105	90	-	75	84	106	151	149	150	127
30	94	80	105	90	-	75	80	110	149	149	147	128
31	96	-	105	90	-	75	-	110	-	149	138	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,594	101	27	83.7	5,150
November	2,522	109	30	84.1	5,000
December	2,789	105	60	90.0	5,530
Calendar year 1934	35,880.4	150	3.9	98.3	71,130
January	2,836	105	80	91.5	5,630
February	2,378	90	75	84.9	4,720
March	2,403	85	67	77.5	4,770
April	2,030	90	16	67.7	4,030
May	3,067	110	80	98.9	6,080
June	3,925	151	110	131	7,790
July	4,563	150	131	147	9,050
August	4,607	150	138	149	9,140
September	4,374	150	127	146	8,680
Water year 1934-35	38,088	151	16	104	75,570

Alder Creek near Whitehall, Calif.

Location.- Water-stage recorder, lat. 38°45', long. 120°22', in SW¼ sec. 36, T. 11 N., R. 14 E., three-quarters of a mile above mouth and 2 miles southeast of Whitehall. Altitude, about 4,000 feet.

Drainage area.- 22.8 square miles.

Records available.- October 1922 to September 1935.

Average discharge.- 13 years, 25.5 second-feet.

Extremes.- Maximum discharge during year, 345 second-feet Apr. 8 (gage height, 3.27 feet); minimum, 0.1 second-foot Sept. 4-15, 19-30.
1922-35: Maximum discharge, about 2,060 second-feet Mar. 25, 1928 (gage height, 7.1 feet); minimum, 0.1 second-foot at times in 1924, 1926, 1931, 1933-35.

Remarks.- Records good except those for Dec. 6 to Apr. 1, which include computed flow in pipe line diverting just above station, and those for Oct. 1-4, 11, 13-15, 30, which were interpolated. Stage-discharge relation affected by ice Dec. 6 to Jan. 29.

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	1.0	2.8	4	12	19	71	190	79	10	0.8	0.2
2	.2	.6	2.3	4	14	18	74	170	79	13	.8	.2
3	.2	.6	2.1	4	16	18	185	160	79	10	.8	.2
4	.2	1.7	1.9	13	18	17	199	158	76	9	.8	.1
5	.2	.8	1.7	50	24	15	168	168	71	7.5	.7	.1
6	.2	.6	1.7	14	38	15	140	183	66	7	.7	.1
7	.3	.5	1.7	11	44	13	212	194	57	6.5	.7	.1
8	.2	.4	1.7	9.5	36	14	290	203	50	6.5	.6	.1
9	.2	.4	1.7	9.5	31	8.5	205	203	45	6	.6	.1
10	.2	.3	1.7	8	27	8.5	160	192	40	5.5	.6	.1
11	.2	.3	1.7	8	24	8.5	146	183	36	4.6	.6	.1
12	.2	.3	1.7	7	20	9.5	146	172	34	4.2	.4	.1
13	.2	.3	3	7	19	14	152	162	30	3.8	.4	.1
14	.2	.3	14	7	16	25	179	156	28	3.8	.3	.1
15	.2	2.1	13	6	13	30	304	150	26	3.8	.3	.1
16	.2	2.6	8.5	6	14	30	260	142	26	3.4	.3	.2
17	.2	2.6	8	6	14	28	221	133	23	2.8	.3	.2
18	.2	4.6	8	6	17	28	196	126	21	2.6	.3	.2
19	.2	9	7	6	21	26	203	126	19	2.3	.3	.1
20	.2	5	7	6	27	24	225	129	17	2.3	.2	.1
21	.3	3.0	7	6	28	23	229	135	16	2.1	.2	.1
22	.4	2.6	6	6	29	20	214	137	14	2.1	.2	.1
23	.3	5	6	6	29	20	210	135	12	2.1	.2	.1
24	.3	4.6	6	6	25	17	205	131	12	1.9	.2	.1
25	.3	3.4	6	6	20	17	199	124	11	1.9	.2	.1
26	.2	3.0	5	7	21	20	196	118	10	1.7	.2	.1
27	.2	3.0	5	7	20	25	199	113	9.5	1.7	.2	.1
28	.2	2.8	5	8	19	32	212	104	9	1.5	.2	.1
29	.2	2.6	5	8	-	43	243	99	8	1.2	.2	.1
30	.2	2.6	5	9	-	55	214	94	7.5	1.0	.2	.1
31	.4	-	5	10	-	65	-	86	-	.8	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7.1	0.4	0.2	0.23	14
November	66.6	9	.3	2.22	132
December	152.2	14	1.7	4.91	302
Calendar year 1934	4,406.0	102	.1	12.1	8,730
January	271.0	50	4	8.74	538
February	636	44	12	22.7	1,260
March	706.0	65	8.5	22.8	1,400
April	5,857	304	71	195	11,620
May	4,576	203	86	148	9,080
June	1,011.0	79	7.5	33.7	2,010
July	132.6	13	.8	4.28	263
August	12.7	.8	.2	.41	25
September	3.6	.2	.1	.12	7.1
Water year 1934-35	13,431.8	304	.1	36.8	26,650

Plum Creek near Riverton, Calif.

Location.- Water-stage recorder, lat. 38°45', long. 120°26', in SE¼ sec. 32, T. 11 N., R. 14 E., 1½ miles above mouth and 2 miles southeast of Riverton. Altitude, about 4,100 feet.

Drainage area.- 6.8 square miles.

Records available.- November 1922 to September 1935.

Average discharge.- 13 years, 6.81 second-feet.

Extremes.- Maximum discharge during year, 300 second-feet Apr. 3 (gage height, 3.20 feet); minimum, 0.1 second-foot Aug. 8 to Sept. 30.
1922-35: Maximum discharge, 635 second-feet Mar. 25, 1928 (gage height, 4.10 feet); minimum, 0.1 second-foot at times during 1924-26, 1930-35.

Remarks.- Records good except those for Oct. 23-29, Sept. 14-30, which are fair and were estimated by comparison with records at nearby stations. No diversions 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	0.7	1.4	1.1	13	8	32	32	3.4	0.8	0.2	0.1
2	.2	.6	1.2	1.1	14	9	31	27	3.0	1.2	.2	.1
3	.2	.7	1.1	1.1	14	10	187	24	2.8	.9	.2	.1
4	.2	.9	1.0	16	20	10	173	21	2.5	.8	.2	.1
5	.3	.7	1.0	16	26	9.5	120	20	2.4	.7	.2	.1
6	.3	.6	1.0	8.5	44	9	84	19	2.2	.6	.2	.1
7	.4	.5	1.0	6.5	43	28	137	19	2.1	.6	.2	.1
8	.3	.4	1.0	8.5	29	25	194	18	2.0	.6	.1	.1
9	.3	.4	1.0	12	22	7	103	17	2.0	.5	.1	.1
10	.2	.4	.9	10	18	5.5	72	16	1.8	.5	.1	.1
11	.2	.4	.8	6.5	16	5	60	14	1.8	.4	.1	.1
12	.2	.4	.8	5	13	7	53	13	1.7	.4	.1	.1
13	.2	.4	1.0	4.1	11	14	48	11	1.5	.4	.1	.1
14	.2	.4	3.0	3.8	10	24	57	10	1.5	.4	.1	.1
15	.2	2.7	2.8	3.4	9.5	25	182	9.5	1.4	.3	.1	.1
16	.3	1.6	2.3	3.2	8.5	18	144	9	1.4	.3	.1	.1
17	.4	1.e	2.1	2.8	8	16	98	8	1.3	.3	.1	.1
18	.4	5	1.8	2.8	9.5	13	70	7.5	1.2	.3	.1	.1
19	.4	9.5	1.6	3.8	12	11	59	7	1.1	.3	.1	.1
20	.4	4.9	1.5	2.3	14	10	53	6	1.0	.3	.1	.1
21	.4	2.5	1.4	2.1	15	9.5	50	6	1.0	.3	.1	.1
22	.5	1.9	1.2	2.1	14	7	42	5.5	.9	.3	.1	.1
23	.4	3.2	1.1	2.1	12	7	36	5	.9	.3	.1	.1
24	.4	3.8	1.0	3.6	11	5.5	31	5	.8	.3	.1	.1
25	.3	2.5	1.0	6.5	10	6	28	4.6	.7	.2	.1	.1
26	.3	1.9	.9	8.5	8.5	11	26	4.2	.7	.2	.1	.1
27	.3	1.8	1.4	9	8	16	25	4.0	.7	.2	.1	.1
28	.2	1.6	1.8	9.5	7.5	20	25	3.6	.7	.2	.1	.1
29	.2	1.5	1.5	10	-	25	39	3.6	.6	.2	.1	.1
30	.2	1.4	1.2	11	-	32	36	4.0	.6	.2	.1	.1
31	.6	-	1.1	12	-	34	-	3.6	-	.2	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9.3	0.6	0.2	0.30	18
November	55.1	9.5	.4	1.84	109
December	41.9	3.0	.8	1.35	83
Calendar year 1934	1,025.4	-	.1	2.81	2,030
January	194.9	16	1.1	6.29	387
February	440.5	44	7.5	15.7	874
March	437.0	34	5	14.1	867
April	2,295	194	25	76.5	4,550
May	357.1	32	3.6	11.5	708
June	45.7	3.4	.6	1.52	91
July	13.2	1.2	.2	.43	26
August	3.8	.2	.1	.12	7.5
September	3.0	.1	.1	.10	6.0
Water year 1934-35	3,896.5	194	.1	10.7	7,730

Silver Creek at Union Valley, Calif.

Location.- Water-stage recorder, lat. 38°52', long. 120°26', in SE¼ sec. 20, T. 12 N., R. 14 E., 1 mile below junction of North and Middle Forks of Silver Creek, near lower end of Union Valley. Altitude, about 4,530 feet.

Drainage area.- 82.7 square miles.

Records available.- October 1924 to September 1935 (not complete).

Average discharge.- 10 years (1924-27, 1928-35), 166 second-feet.

Extremes.- Maximum discharge during year, 2,250 second-feet May 21 (gage height, 6.93 feet); minimum, 3.5 second-feet Sept. 28.
1924-35: Maximum discharge, about 9,600 second-feet Mar. 25, 1928 (gage height, 14.7 feet); minimum, 1.9 second-feet Aug. 27, 28, 1931.

Remarks.- Records excellent except those for Oct. 1-23 and Jan. 14 to Apr. 23, which are fair and were estimated on basis of records at other Silver Creek stations. No diversions above station.

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

0	0	1.4	64	2.8	298	5.4	1,270
.2	.7	1.6	87	3.0	342	5.8	1,500
.4	2.4	1.8	114	3.4	444	6.2	1,760
.6	6.5	2.0	144	3.8	566	6.6	2,040
.8	16.0	2.2	178	4.2	707	7.0	2,330
1.0	30	2.4	216	4.6	870		
1.2	46	2.6	256	5.0	1,060		

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	5	36	52	44				600	938	142	15	5
2	5	31	43	45				534	1,060	142	14	5
3	5	35	43	45				566	1,080	122	13	5
4	5	178	41	64				652	1,140	116	12	5
5	5	73	36	94				870	1,140	110	12	4.8
6	5	50	37	79				1,160	1,010	101	11	4.8
7	5	38	36	66				1,240	892	92	11	4.5
8	6	31	36	65				1,270	765	85	9.5	4.5
9	6	25	36	67				1,270	668	77	9	4.2
10	5	21	39	63				1,160	652	74	9	4.2
11	5	18	44	60				1,110	707	67	8.5	4.2
12	5	16	48	58			900	1,010	652	64	8	4.2
13	4	14	74	55				960	550	61	7.5	4.2
14	4	14	196					1,010	472	60	7	4.2
15	4	46	120					985	390	63	6.5	4.5
16	4	76	77					870	378	57	6.5	4.5
17	5	72	66					765	378	51	6.5	4.5
18	6	73	55					785	378	55	6	4.2
19	6	100	55					1,010	376	47	6	4.0
20	6	70	55					1,140	354	42	6	4.0
21	6	60	53					1,320	324	40	6	4.0
22	15	60	51	45				1,380	302	36	6	4.0
23	14	96	45					1,360	276	32	6	3.8
24	14	77	47				747	1,140	232	29	6	3.8
25	12	64	40				785	1,220	210	28	6	3.8
26	10	64	40				892	1,190	206	26	6	3.8
27	9.5	60	36				1,010	1,140	210	24	6	3.8
28	9	51	32				1,160	1,060	189	21	6	3.7
29	9	50	48				1,320	825	167	19	6	3.8
30	8	51	46				765	652	144	18	5.5	4.0
31	12	-	44				-	670	-	16	5.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	219.5	15	4	7.08	435
November	1,650	178	14	55.0	3,270
December	1,671	196	32	53.9	3,310
Calendar year 1934	34,925.8	1,400	2.0	95.7	69,320
January	1,615	-	-	52.1	3,200
February	-	-	-	100	5,550
March	-	-	-	110	6,760
April	27,377	-	-	913	54,300
May	30,914	1,380	534	997	61,320
June	16,282	1,140	144	543	32,290
July	1,919	142	16	61.9	3,810
August	249.0	15	5.5	8.03	494
September	128.0	5	3.7	4.27	254
Water year 1934-35	88,234.5	1,380	3.7	242	175,000

Silver Creek near Placerville, Calif.

Location.- Water-stage recorder, lat. 38°47', long. 120°35', in SW¼ sec. 13, T. 11 N., R. 12 E., a quarter of a mile above mouth and 12 miles northeast of Placerville. Altitude, about 2,250 feet.

Drainage area.- 176 square miles.

Records available.- October 1930 to September 1935; December 1921 to October 1930 at site 300 feet downstream.

Average discharge.- 13 years, 317 second-feet.

Extremes.- Maximum discharge during year, 6,240 second-feet Apr. 8 (gage height, 8.8 feet); minimum, 14 second-feet Oct. 16.
1921-35: Maximum discharge, about 16,900 second-feet Mar. 25, 1928 (gage height, 18.0 feet, former site and datum); minimum, 5.5 second-feet Sept. 18, 1934.

Remarks.- Records good. No diversions.

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

1.0	5	2.4	120	4.6	794	7.4	3,330
1.2	10	2.6	156	5.0	1,005	7.8	4,020
1.4	19	2.8	196	5.4	1,260	8.2	4,800
1.6	30	3.0	244	5.8	1,550	8.6	5,720
1.8	44	3.4	354	6.2	1,900	8.8	6,240
2.0	64	3.8	474	6.6	2,320		
2.2	90	4.2	620	7.0	2,780		

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	20	60	142	112	176	244	640	1,190	1,330	295	61	35
2	20	70	106	106	191	239	640	1,060	1,590	340	60	34
3	19	74	112	101	202	242	1,630	1,040	1,630	276	59	34
4	19	244	110	149	232	247	1,900	1,060	1,710	254	55	33
5	20	174	106	232	290	222	1,550	1,330	1,670	247	53	32
6	20	112	97	194	400	244	1,220	1,670	1,550	234	52	32
7	22	91	101	156	477	249	1,740	1,850	1,400	216	50	31
8	24	76	97	196	430	237	3,710	1,900	1,220	196	48	31
9	22	63	103	194	374	220	1,590	1,950	1,060	185	44	30
10	20	56	97	162	315	216	1,100	1,800	978	176	43	29
11	20	51	112	140	290	232	978	1,710	1,040	162	42	28
12	18	47	124	131	257	247	1,000	1,630	1,000	156	41	27
13	16	44	142	120	262	292	1,060	1,510	870	151	39	27
14	16	42	382	122	239	368	1,220	1,550	794	149	39	27
15	16	104	346	122	202	400	2,540	1,550	640	154	38	27
16	16	152	220	120	216	351	2,000	1,400	601	149	38	27
17	22	151	202	125	209	337	1,470	1,220	601	140	38	26
18	24	239	156	124	232	323	1,260	1,220	601	134	38	26
19	22	343	162	107	265	304	1,360	1,440	601	127	38	25
20	22	202	162	104	315	298	1,630	1,590	601	117	39	24
21	25	143	151	110	318	301	1,760	1,800	563	106	39	24
22	38	134	145	115	315	273	1,510	2,000	530	103	39	22
23	35	207	127	118	318	287	1,400	2,050	498	94	39	22
24	36	194	125	125	270	262	1,510	1,850	442	90	38	22
25	33	164	118	138	257	260	1,440	1,760	400	84	38	20
26	30	149	107	145	260	273	1,550	1,800	394	83	38	20
27	31	146	125	152	249	301	1,630	1,800	400	77	37	20
28	30	129	100	154	239	340	1,800	1,630	400	72	38	20
29	29	122	106	152	-	409	2,320	1,470	368	70	38	19
30	29	120	138	162	-	505	1,550	1,120	326	65	38	19
31	32	-	117	166	-	582	-	978	-	63	36	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	746	38	16	24.1	1,480
November	3,901	343	42	130	7,740
December	4,438	382	97	143	8,800
Calendar year 1934	68,139.5	1,930	6	187	135,200
January	4,354	232	101	140	8,640
February	7,900	477	176	279	15,470
March	9,305	582	216	300	18,460
April	46,608	3,710	640	1,554	92,450
May	47,928	2,050	978	1,546	95,060
June	25,808	1,710	326	860	51,190
July	4,765	340	63	154	9,450
August	1,332	61	36	43.0	2,640
September	793	35	19	26.4	1,570
Water year 1934-35	157,778	3,710	16	432	313,000

South Fork of Silver Creek near Ice House, Calif.

Location.- Water-stage recorder, lat. 38°49', long. 120°22', in SW¼ sec. 1, T. 11 N., R. 14 E., 1½ miles northeast of Ice House and 8 miles northeast of Riverton. Altitude, about 5,300 feet.

Drainage area.- 28.4 square miles.

Records available.- October 1924 to September 1935; July to October 1922 at site 1 mile upstream.

Average discharge.- 11 years, 61.0 second-feet.

Extremes.- Maximum discharge during year, 760 second-feet May 23 (gage height, 3.78 feet); minimum, 0.5 second-foot Oct. 14, 15.
1924-35: Maximum discharge, 1,620 second-feet Mar. 28, 1928 (gage height, 5.35 feet); minimum, 0.1 second-foot Aug. 21 to Sept. 6, 1931.

Remarks.- Records good except those for period of ice effect, Dec. 2-11 and Dec. 19 to Mar. 28, which are fair. No diversions.

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

0	0	0.7	14	1.8	116	3.4	580
.1	.05	.8	20	2.0	150	3.8	760
.2	.1	.9	26	2.2	190	4.1	900
.3	.3	1.0	33	2.4	236	4.3	1,000
.4	2.0	1.2	50	2.6	288		
.5	5	1.4	69	2.8	350		
.6	9	1.6	91	3.0	416		

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	1.0	14	15				66	174	396	87	14	1.6
2	1.2	18	13				67	156	470	83	12	1.7
3	1.5	21	12				92	158	511	73	11	1.5
4	1.3	58	11				82	178	536	73	10	1.5
5	1.2	43	9			11	74	238	540	70	9	1.3
6	1.0	31	9				68	334	502	69	8	1.3
7	1.2	24	9				110	396	446	61	8	1.2
8	1.2	18	9				122	413	392	57	7	1.2
9	1.3	16	9				97	424	350	54	6	1.2
10	1.2	14	10				81	402	324	52	6	1.0
11	1.0	12	12				83	399	337	50	5.5	1.0
12	.8	10	13				93	382	321	51	5	1.0
13	.6	9	19				103	376	280	53	4.7	1.0
14	.5	8	42				122	382	241	56	4.4	1.0
15	.5	18	32				197	382	199	58	4.4	1.0
16	.6	31	21				158	344	180	56	4.1	1.0
17	1.3	32	17				126	294	178	51	3.5	1.0
18	1.5	32	15				124	300	176	53	3.5	.8
19	2.0	32	15			15	145	379	180	45	3.2	.8
20	2.3	30	15				190	431	182	40	2.9	.8
21	3.2	26	14				214	511	170	34	2.6	.8
22	4.4	24	13				201	558	162	29	2.3	.8
23	4.4	35	10				208	584	150	26	2.0	.8
24	5	31	10				219	540	129	24	1.8	.6
25	6	25	8				212	536	116	22	1.8	.6
26	6.5	22	7				236	554	113	21	1.8	.6
27	6	21	6			34	255	536	122	18	2.3	.6
28	5.5	19	5			39	303	502	116	18	3.2	.6
29	4.7	17	8			41	328	435	106	16	2.9	.6
30	4.4	17	8			50	222	324	93	15	2.3	.6
31	4.7	-	7			59	-	300	-	14	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	78.0	6.5	0.5	2.52	155
November	708	58	8	23.6	1,400
December	403	42	5	13.0	799
Calendar year 1934	13,196.7	443	.2	36.2	26,190
January	-	-	-	12	738
February	-	-	-	12	666
March	573	-	-	18.5	1,140
April	4,598	328	66	153	9,120
May	11,922	584	156	385	23,650
June	8,020	540	93	267	15,910
July	1,429	87	14	46.1	2,830
August	157.2	14	1.8	5.07	312
September	29.7	1.8	.6	.99	59
Water year 1934-35	28,625.9	584	.5	78.4	56,780

Finnon Reservoir outlet near Placerville, Calif.

Location.- Staff gage, lat. 38°48', long. 120°46', in SE¼ sec. 16, T. 11 N., R. 11 E., at weir 400 feet below Finnon Reservoir, 1⅛ miles above Jaybird Creek, and 10 miles northeast of Placerville. Altitude, about 2,450 feet.

Records available.- October 1922 to September 1935.

Average discharge.- 13 years, 3.05 second-feet.

Extremes.- Maximum mean daily discharge during year, 46 second-feet Apr. 8; no flow for long periods.
1922-35: Maximum discharge, 106 second-feet Mar. 21, 1925 (gage height, 2.60 feet); water is usually out of canal part of each day.

Remarks.- Records good except those estimated, Feb. 10-14. Water is diverted into Finnon Reservoir from One Eye and Slab Creeks. Outlet flow used for power development.

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

0	0	0.5	11.5	1.0	29.5	2.0	76
.1	1.5	.6	14.5	1.2	38.5	2.2	86
.2	3.0	.7	18.0	1.4	47.5	2.4	96
.3	5.5	.8	21.5	1.6	56.5	2.6	106
.4	8.5	.9	25.5	1.8	66.0		

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	4.0	0.6	0.6	0	0	0	1.8	2.4	0
2		0	0	4.0	.6	.6	0	0	0	1.8	2.4	0
3		0	10	4.0	.6	.6	6.5	10	0	1.8	2.4	0
4		0	6	4.0	.2	0	20	0	0	1.8	2.4	0
5		0	1.5	4.0	0	0	23	0	0	1.8	2.4	0
6		0	1.5	4.0	0	0	23	10	0	1.8	7	0
7		0	1.5	4.0	1.8	0	23	0	0	1.8	9	0
8		0	1.5	4.0	2.7	0	46	0	0	1.8	9	0
9		0	1.5	4.0	2.7	0	20	0	0	2.2	3.0	0
10		0	1.5	4.0	2.7	0	15	10	0	2.4	0	0
11		0	1.5	4.0	2.7	0	11	0	0	2.4	0	0
12		0	1.5	4.0	2.7	2.5	10	0	0	2.4	0	0
13		0	1.5	4.0	2.7	2.5	C	0	0	2.4	3.0	0
14		0	0	4.0	2.7	1.0	0	0	0	2.4	3.0	0
15		0	0	4.0	.8	.4	11	0	0	2.4	3.0	0
16		0	0	4.0	.4	.6	10	0	0	2.4	3.0	0
17		0	0	4.0	.9	.6	10	0	0	2.4	0	0
18		.7	0	4.0	.9	.2	11	0	0	2.4	0	2.0
19		2.5	0	4.0	0	0	10	0	0	2.4	0	2.0
20		0	0	1.7	0	0	0	0	0	2.4	3.0	2.0
21		0	0	1.7	.9	1.7	0	0	0	2.4	3.0	0
22		1.1	.4	1.7	.9	2.4	11	0	0	2.4	3.0	0
23		1.5	0	1.9	.9	2.4	11	0	0	2.4	3.0	0
24		1.5	0	.6	.6	2.4	11	0	0	2.4	0	0
25		1.5	0	.6	0	2.4	11	0	2.5	2.4	0	0
26		1.5	0	.6	0	2.4	11	0	3.5	2.4	0	0
27		11	.1	.6	0	2.4	0	0	3.5	2.4	2.6	0
28		14	.6	.1	.6	2.4	0	0	3.5	2.4	2.6	0
29		14	.6	0	-	2.4	0	0	3.5	2.4	2.6	0
30		10	.6	0	-	.8	0	0	3.5	2.4	2.6	0
31		-	.2	.4	-	0	-	0	-	2.4	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	59.3	14	0	1.98	118
December	32.0	10	0	1.03	63
Calendar year 1934	610.0	22	0	1.67	1,210
January	85.9	4.0	0	2.77	170
February	29.6	2.7	0	1.06	59
March	31.3	2.5	0	1.01	62
April	304.5	46	0	10.2	604
May	30	10	0	.97	60
June	20.0	3.5	0	.67	40
July	69.4	2.4	1.8	2.24	138
August	74.4	9	0	2.40	148
September	6.0	2.0	0	.20	12
Water year 1934-35	742.4	46	0	2.03	1,470

Note.- No flow during October.

South Fork of American River flume near Camino, Calif.

Location.- Water-stage recorder, lat. 38°46', long. 120°42', in SW¼ sec. 25, T. 11 N., R. 11 E., 300 feet above Iowa Canyon Creek, 1 mile below diversion dam, and 3 miles northwest of Camino. Altitude, about 1,710 feet.

Records available.- November 1922 to September 1935.

Average discharge.- 13 years, 87.8 second-feet.

Extremes.- Maximum mean daily discharge during year, 119 second-feet June 19, July 8, 9; no flow at times.
1922-35: Maximum mean daily discharge, 124 second-feet Jan. 20, 1931; no flow at times each year.

Remarks.- Records good. Flume diverts from South Fork of American River in SW¼ sec. 24, T. 11 N., R. 11 E., and is used to develop power in SW¼ sec. 20, T. 11 N., R. 11 E., just above mouth of Rock Creek, where water is returned to river.

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	80	105	114	102	0	0	106	113	114	114	114	104
2	83	107	116	75	0	0	109	114	110	117	112	104
3	83	109	116	0	0	0	104	116	113	116	111	100
4	84	97	113	0	20	19	100	117	110	115	113	99
5	86	101	114	0	84	75	107	116	108	118	116	103
6	90	111	114	0	62	84	111	116	112	115	115	101
7	86	113	114	30	0	56	110	113	114	118	108	102
8	75	114	113	102	0	3.5	101	113	114	119	113	97
9	87	111	115	40	0	0	110	114	115	119	113	101
10	90	112	115	3.9	0	0	113	114	114	118	114	103
11	88	100	115	0	17	23	115	114	112	118	111	104
12	90	92	115	0	93	95	116	116	115	117	111	107
13	86	88	114	0	100	73	113	114	114	118	110	104
14	76	94	114	0	58	0	107	114	114	118	109	104
15	66	111	112	73	0	0	109	115	115	118	110	107
16	82	111	50	103	0	0	109	115	115	117	110	102
17	87	112	15	74	0	0	110	115	116	116	114	101
18	80	112	65	0	21	21	114	116	117	117	111	100
19	74	113	90	0	98	95	116	114	119	118	109	103
20	56	113	91	0	73	73	115	116	118	118	106	103
21	92	111	64	19	0	0	116	115	118	117	105	103
22	92	114	0	69	0	0	117	113	117	114	102	113
23	101	116	0	98	0	0	116	115	116	113	102	101
24	103	114	70	58	0	0	115	114	118	113	105	99
25	103	113	109	0	21	0	115	113	117	114	106	101
26	107	115	75	0	95	0	116	115	115	115	102	106
27	106	116	0	0	97	9.5	116	113	116	115	102	102
28	97	115	0	24	35	0	115	114	115	114	107	109
29	83	115	0	98	-	0	114	111	115	114	102	103
30	100	115	0	100	-	70	113	112	114	112	102	95
31	104	-	55	48	-	102	-	116	-	113	104	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,717	107	56	87.6	5,390
November	3,270	116	88	109	6,490
December	2,398	116	0	77.4	4,760
Calendar year 1934	28,846.5	123	0	79.0	57,230
January	1,136.9	103	0	36.7	2,260
February	874	100	0	31.2	1,730
March	799.0	102	0	25.8	1,580
April	3,350	118	100	112	6,640
May	3,546	117	111	114	7,030
June	3,440	119	108	115	6,820
July	3,601	119	112	116	7,140
August	3,369	116	102	109	6,680
September	3,081	113	95	103	6,110
Water year 1934-35	31,581.9	119	0	86.5	62,630

Clear Lake at Lakeport, Calif.

Location.- Staff gage, lat. 39°3', long. 122°55', in SE¼ sec. 24, T. 14 N., R. 10 W., at municipal wharf on north side of Third Street at Lakeport. Zero of gage is 1,318.59 feet above mean sea level.

Drainage area.- 420 square miles including water surface of lake (65 square miles).

Records available.- February 1913 to September 1935.

Extremes.- Maximum gage height during year, 7.28 feet Apr. 15, 16; minimum, 0.07 foot Oct. 23-31.
1913-35: Maximum gage height, 11.12 feet Jan. 28, 1914; minimum, -3.50 feet Sept. 24-27, 1920.

Remarks.- Record of daily gage heights furnished by Clear Lake Water Co.

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	0.27	0.17	0.50	0.75	3.80	4.60	6.67	6.90	6.37	5.47	4.55	3.72
2	.25	.17	.50	.75	3.82	4.85	6.67	6.90	6.37	5.45	4.50	3.70
3	.25	.17	.50	.80	3.90	4.90	6.75	6.90	6.35	5.42	4.47	3.70
4	.25	.17	.50	.95	3.90	5.10	6.85	6.90	6.32	5.37	4.45	3.67
5	.25	.17	.45	1.05	3.90	5.15	6.80	6.87	6.32	5.35	4.42	3.62
6	.22	.17	.45	1.07	3.95	5.25	6.80	6.87	6.27	5.32	4.40	3.60
7	.22	.17	.45	1.22	4.00	5.55	6.90	6.85	6.25	5.27	4.37	3.57
8	.22	.17	.45	1.32	4.00	5.75	6.90	6.85	6.20	5.25	4.35	3.57
9	.22	.17	.47	1.60	4.02	5.85	6.97	6.85	6.20	5.20	4.35	3.55
10	.22	.17	.47	1.75	4.07	5.95	7.02	6.82	6.15	5.17	4.30	3.55
11	.22	.17	.47	1.85	4.07	6.00	7.10	6.80	6.10	5.15	4.27	3.50
12	.22	.17	.55	1.92	4.07	6.02	7.15	6.80	6.07	5.15	4.25	3.48
13	.20	.17	.55	2.05	4.07	6.05	7.17	6.80	6.02	5.12	4.20	3.45
14	.17	.27	.55	2.55	4.10	6.10	7.23	6.80	6.00	5.07	4.20	3.40
15	.17	.27	.57	2.80	4.10	6.12	7.28	6.80	5.95	5.07	4.17	3.40
16	.12	.27	.57	3.00	4.12	6.12	7.28	6.80	5.95	5.05	4.15	3.40
17	.12	.27	.57	3.05	4.12	6.20	7.23	6.75	5.90	5.00	4.10	3.37
18	.12	.30	.57	3.15	4.12	6.20	7.25	6.80	5.90	5.00	4.05	3.35
19	.12	.37	.60	3.30	4.12	6.20	7.25	6.75	5.85	4.97	4.02	3.30
20	.12	.37	.60	3.40	4.12	6.20	7.25	6.72	5.82	4.95	4.00	3.30
21	.12	.37	.60	3.50	4.10	6.20	7.20	6.70	5.80	4.90	3.97	3.30
22	.10	.37	.60	3.55	4.15	6.20	7.18	6.70	5.77	4.87	3.95	3.27
23	.07	.45	.60	3.57	4.15	6.37	7.13	6.67	5.75	4.85	3.95	3.25
24	.07	.45	.60	3.57	4.17	6.40	7.13	6.65	5.75	4.80	3.90	3.22
25	.07	.50	.60	3.62	4.17	6.42	7.10	6.60	5.60	4.77	3.87	3.22
26	.07	.50	.60	3.65	4.17	6.47	7.03	6.60	5.57	4.75	3.85	3.20
27	.07	.50	.62	3.65	4.20	6.52	7.00	6.55	5.55	4.72	3.85	3.17
28	.07	.55	.67	3.70	4.30	6.55	6.92	6.62	5.55	4.70	3.85	3.17
29	.07	.55	.67	3.72	-	6.60	6.92	6.45	5.55	4.65	3.85	3.15
30	.07	.55	.70	3.75	-	6.65	6.92	6.40	5.50	4.60	3.80	3.10
31	.07	-	.75	3.80	-	6.65	-	6.40	-	4.57	3.80	-

Cache Creek at Yolo, Calif.

Location.- Water-stage recorder, lat. 38°43'30", long. 121°48'25", in Rio Jesus Maria grant, 800 feet above highway bridge, 1,000 feet above Southern Pacific Co.'s railroad bridge, and half a mile south of Yolo, Yolo County. Altitude, about 60 feet.

Drainage area.- 1,230 square miles.

Records available.- January 1903 to September 1935.

Average discharge.- 32 years, 489 second-feet.

Extremes.- Maximum discharge during year, 13,800 second-feet Mar. 7 (gage height, 20.00 feet); no flow for several months.
1903-35: Maximum discharge, 21,100 second-feet Feb. 2, 1915 (gage height, 29.8 feet, present datum); no flow for periods in nearly every year.

Remarks.- Records good except those estimated, May 23-27. Numerous irrigation diversions above station; storage at Clear Lake.

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	114	324	3,520	312	425	42			
2		0	0	92	294	2,940	297	362	27			
3		0	0	77	276	1,270	312	316	24			
4		0	0	223	267	820	452	277	38			
5		0	0	2,030	264	615	2,020	257	14			
6		0	0	619	249	673	1,690	241	0			
7		0	0	315	235	7,980	705	197	0			
8		0	0	1,080	229	2,340	3,270	205	0			
9		0	0	1,520	201	1,450	1,610	185	0			
10		0	0	2,280	186	1,080	845	120	0			
11		0	0	1,130	165	820	642	97	0			
12		0	0	587	152	655	534	79	0			
13		0	0	493	145	592	464	65	0			
14		0	0	6,530	141	534	801	46	0			
15		0	0	2,160	127	494	2,050	25	0			
16		0	14	1,540	116	456	3,960	7.5	0			
17		0	11	1,330	106	420	3,120	0	0			
18		0	1.2	1,020	96	384	1,860	0	0			
19		460	2.4	845	90	357	1,450	0	0			
20		417	2.9	606	84	331	1,360	0	0			
21		143	15	456	79	318	1,450	0	0			
22		73	15	377	75	312	1,510	0	0			
23		42	3.8	324	72	534	1,480	27	0			
24		23	1.4	291	68	502	1,490	67	0			
25		19	.9	353	65	406	1,450	76	0			
26		20	.1	438	55	367	1,420	79	0			
27		12	0	438	54	395	1,420	79	0			
28		6	0	413	630	374	1,390	73	0			
29		1.1	4.2	377	-	350	1,390	70	0			
30		0	23	350	-	337	810	62	0			
31		-	96	360	-	324	-	49	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	1,215.1	460	0	40.5	2,410
December	190.9	96	0	6.16	379
Calendar year 1934	17,132.1	2,420	0	48.9	34,060
January	28,768	6,530	77	928	57,060
February	4,844	630	54	173	9,610
March	31,980	7,980	312	1,032	63,430
April	41,554	3,960	297	1,385	82,420
May	3,486.5	425	0	112	6,920
June	145	42	0	4.8	288
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	112,184.5	7,980	0	307	222,500

Note.- No flow during months left blank.

North Fork of Cache Creek near Lower Lake, Calif.

Location.- Water-stage recorder, lat. 39°1', long. 122°33', in NE¼ sec. 31, T. 14 N., R. 6 W., 500 feet above Sweet Hollow Creek, 3 miles above mouth, and 7 miles northeast of Lower Lake. Altitude, about 1,050 feet.

Records available.- July 1930 to September 1935.

Extremes.- Maximum discharge during year, 2,580 second-feet Mar. 6 (gage height, 6.53 feet); no flow Oct. 1-30, Sept. 2-30.
1930-35: Maximum discharge, about 14,300 second-feet Dec. 26, 1931 (gage height, 9.65 feet); no flow at times each year.

Remarks.- Records good. Several small diversions 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	1.1	32	103	304	1,240	247	155	39	5.5	1.0	0.1
2	0	.5	30	82	290	680	238	143	36	4.7	.9	0
3	0	1.1	29	71	271	625	380	132	34	4.7	.9	0
4	0	2.3	27	782	271	516	482	123	31	4.0	.9	0
5	0	1.3	27	637	261	423	450	118	30	3.7	.9	0
6	0	1.1	26	320	241	1,050	423	112	26	3.7	.9	0
7	0	.9	25	527	227	1,240	740	110	26	3.7	.9	0
8	0	.9	24	580	207	850	970	104	26	3.7	.9	0
9	0	.9	24	791	190	650	734	99	26	3.4	.7	0
10	0	1.1	24	915	173	531	567	97	24	3.4	.7	0
11	0	1.5	23	615	162	468	472	92	23	3.4	.6	0
12	0	1.9	23	428	156	423	405	87	22	3.4	.6	0
13	0	2.3	39	994	154	389	364	80	21	2.8	.6	0
14	0	19	80	1,070	148	368	345	77	21	2.5	.5	0
15	0	80	53	690	138	334	781	75	21	2.8	.4	0
16	0	34	52	850	128	304	665	75	19	2.2	.4	0
17	0	54	71	729	122	280	515	73	18	1.6	.4	0
18	0	476	59	655	116	261	429	71	17	1.6	.4	0
19	0	412	52	495	114	244	380	67	15	1.6	.4	0
20	0	127	48	364	113	236	338	62	13	1.6	.3	0
21	0	73	44	297	109	236	300	58	11	1.9	.2	0
22	0	56	41	261	105	233	276	56	9.5	1.6	.1	0
23	0	63	39	247	104	294	257	54	9	1.6	.1	0
24	0	75	37	341	100	290	232	52	9	1.3	.1	0
25	0	58	36	464	97	284	214	49	8	1.3	.1	0
26	0	49	37	482	94	341	202	46	7.5	.9	.2	0
27	0	44	52	459	116	326	190	42	6	.9	.3	0
28	0	40	53	418	1,040	301	181	40	6	1.0	.4	0
29	0	37	72	372	-	290	178	39	5.5	1.0	.3	0
30	0	34	190	393	-	280	170	40	5.5	1.0	.2	0
31	1.0	-	137	345	-	264	-	42	-	1.0	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1.0	1.0	0	0.03	2.0
November	1,749.9	478	.5	58.3	3,470
December	1,506	190	23	48.6	2,990
Calendar year 1934	21,356.2	1,570	0	58.5	42,350
January	15,777	1,070	71	509	31,290
February	5,555	1,040	94	198	11,020
March	14,453	1,240	233	466	28,670
April	12,125	970	170	404	24,050
May	2,470	155	39	79.7	4,900
June	565.0	39	5.5	18.8	1,120
July	77.5	5.5	.9	2.50	154
August	16.5	1.0	.1	.50	31
September	.1	.1	0	.003	.2
Water year 1934-35	54,295.0	1,240	0	149	107,700

Putah Creek near Guenoc, Calif.

Location.- Water-stage recorder, lat. 38°46', long. 122°31', in sec. 22, T. 11 N., R. 6 W., just above dam site and 3½ miles downstream from highway bridge at Guenoc. Altitude, about 925 feet.

Drainage area.- 112 square miles.

Records available.- February 1904 to July 1906, July 1930 to September 1935.

Extremes.- Maximum discharge during year, 12,200 second-feet Mar. 6 (gage height, 14.45 feet); minimum, 1.1 second-feet Sept. 27,
1904-6, 1930-35: Maximum discharge, 24,800 second-feet Mar. 10, 1904 (gage height, 20.1 feet, former gage datum); minimum, 0.6 second-foot Sept. 30, Oct. 4, 1932.

Remarks.- Records excellent for low and medium stages, good for high stages. Discharge estimated Oct. 1. Small diversions 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	2.4	2.1	28	126	136	2,480	162	136	30	9	4.2	4.2
2	2.2	2.0	26	99	128	1,220	166	128	28	8.5	4.4	4.0
3	2.2	2.0	25	84	123	690	546	119	26	9	4.4	4.0
4	2.1	2.0	24	1,760	124	523	756	111	26	9.5	5.5	3.9
5	2.1	1.9	22	945	124	405	506	108	25	8	4.4	3.9
6	2.4	1.9	22	374	115	3,770	446	100	24	7	4.2	4.0
7	2.3	1.9	22	1,780	107	2,450	1,260	92	22	9	4.2	4.0
8	2.1	1.8	21	1,080	105	1,090	1,240	91	22	7	4.2	3.8
9	2.1	1.8	20	2,130	100	730	710	87	22	7.5	4.5	3.8
10	2.1	1.8	20	1,530	95	506	506	84	20	7	4.8	3.8
11	2.1	1.8	20	736	91	418	405	81	20	6.5	5	3.9
12	2.1	1.7	20	446	87	347	342	76	19	6	5	3.8
13	2.0	1.7	24	3,010	87	300	303	72	19	6	5	3.8
14	1.9	3.5	62	5,740	94	265	294	70	19	7.5	5	3.8
15	2.0	191	47	1,120	86	236	1,650	67	18	6	5	3.9
16	2.1	28	38	1,340	79	214	950	66	17	5.5	4.8	3.8
17	2.1	25	38	882	76	196	592	65	17	7	3.8	3.6
18	2.1	902	34	670	73	182	461	62	16	7	4.6	3.6
19	2.1	399	31	523	70	171	384	57	15	7	3.3	3.4
20	2.1	133	29	405	66	162	325	52	14	7	3.0	3.3
21	2.3	81	28	335	65	177	263	48	13	7	3.8	3.3
22	2.1	65	27	285	62	263	254	46	13	6	4.5	3.3
23	2.0	79	26	252	59	855	232	45	12	6.5	4.5	3.3
24	2.0	72	25	228	57	384	206	44	12	6	4.5	3.3
25	2.0	55	24	216	54	311	188	42	12	6	4.4	2.5
26	2.0	48	25	202	53	307	175	39	11	6	4.8	2.0
27	1.9	41	37	184	273	259	164	36	11	6	4.6	2.0
28	1.9	35	40	171	2,950	226	155	35	11	6	4.5	2.0
29	1.9	32	156	160	-	204	155	33	10	4.5	4.4	3.0
30	1.9	30	410	162	-	186	150	33	10	4.4	4.2	3.0
31	3.5	-	181	146	-	173	-	31	-	4.5	4.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	66.1	3.5	1.9	2.13	131
November	2,243.9	902	1.7	74.8	4,450
December	1,554	410	20	50.1	3,080
Calendar year 1934	29,500.5	2,370	1.7	80.8	58,450
January	25,145	3,740	84	811	49,870
February	5,539	2,950	55	198	10,990
March	19,700	3,770	182	635	39,070
April	13,965	1,650	150	466	27,700
May	2,155	138	31	69.5	4,270
June	536	30	10	17.9	1,060
July	209.9	9.5	4.4	6.77	416
August	137.7	5.5	3.0	4.44	273
September	104.0	4.2	2.0	3.47	206
Water year 1934-35	71,355.6	3,770	1.7	195	141,500

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Putah Creek near Winters, Calif.

Location.- Water-stage recorder, lat. 38°31', long. 122°5', in NE¼ sec. 28, T. 8 N., R. 2 W., 6 miles west of Winters and 8 miles below Capell Creek. Altitude, about 160 feet.

Records available.- June 1930 to September 1935. Records 1905-31 for Putah Creek at Winters are comparable except for very low stages.

Extremes.- Maximum discharge during year, 34,200 second-feet Mar. 6 (gage height, 23.20 feet); minimum recorded, 0.8 second-foot Oct. 15.
1930-35: Maximum discharge, that of Mar. 6, 1935; minimum, 0.3 second-foot Aug. 23, 24, 26, 27, 1931. Discharge of 60,000 second-feet recorded Dec. 31, 1913, at station 6 miles downstream.

Remarks.- Records good. Several small irrigation diversions above station.

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

2.1	0.4	4.2	108	8.0	1,280	16.0	13,600
2.3	1.9	4.6	164	9.0	1,900	17.5	17,500
2.5	5.4	5.0	238	10.0	2,730	19.0	21,600
2.7	10.0	5.5	355	11.0	3,830	20.5	26,100
3.0	20.5	6.0	495	12.0	5,300	22.0	30,600
3.4	41	6.5	645	13.0	7,000	23.2	34,200
3.8	69	7.0	820	14.5	10,100		

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	4.3	47	295	300	6,290	420	392	83	18	8	6
2	2.0	7	43	210	273	3,930	405	380	81	18	8	6
3	2.0	4.6	41	167	258	1,830	701	352	75	15	7.5	6
4	1.9	3.2	39	3,210	256	1,260	1,180	322	70	14	7.5	6
5	1.8	2.7	37	4,460	265	1,010	1,010	292	66	14	8	6
6	1.7	3.2	34	1,180	252	5,360	940	273	62	13	8	6
7	1.9	3.3	33	1,080	234	13,300	2,580	260	58	13	8	6.5
8	2.7	2.4	32	4,370	220	3,150	4,190	248	55	15	7.5	6.5
9	3.3	1.7	31	4,810	208	1,970	1,830	236	53	14	7.5	6.5
10	2.9	1.5	30	4,300	198	1,420	1,280	232	51	12	7.5	6.5
11	2.2	1.4	30	1,950	187	1,130	1,030	224	49	11	7.5	6
12	1.7	1.9	30	1,130	180	940	880	212	46	11	7	6.5
13	1.4	2.9	34	1,260	182	820	768	198	43	12	7	6
14	1.0	5	46	15,000	182	732	732	187	41	11	7	6
15	.8	12	90	3,520	182	645	3,900	182	40	11	7	6.5
16	.9	30	90	2,930	169	585	3,200	175	40	11	7	6.5
17	1.3	55	75	2,270	159	540	1,630	170	38	8.5	6.5	6
18	1.7	40	60	1,690	153	495	1,230	167	36	7.5	7	6
19	2.1	1,700	65	1,420	148	465	1,010	158	34	6.5	7	5.5
20	2.7	465	60	1,060	144	435	880	145	32	5.5	7.5	5.5
21	3.2	204	56	840	138	450	785	133	30	5	7	5.5
22	3.3	128	53	732	131	465	698	123	28	7	6.5	6
23	3.5	96	50	630	128	2,800	645	118	26	8	6.5	6
24	3.5	96	48	570	124	1,300	585	114	25	5	6.5	6
25	3.5	100	46	510	119	880	525	112	22	4.4	6.5	5
26	3.2	82	45	465	114	768	495	108	20	4.1	7	5.5
27	3.0	71	46	420	113	680	465	103	19	4.3	7.5	5.5
28	3.0	63	50	392	4,020	600	420	97	18	7	7	5.5
29	2.5	56	64	355	-	540	420	92	17	8	7	5.5
30	2.2	51	619	340	-	495	420	88	16	7.5	6.5	5.5
31	3.0	-	540	328	-	450	-	84	-	8	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	71.9	3.5	0.8	2.32	143
November	3,294.1	1,700	1.4	110	6,530
December	2,573	619	30	83.0	5,100
Calendar year 1934	57,088.5	5,460	.8	156	113,200
January	61,694	15,000	167	1,990	122,400
February	9,037	4,020	113	323	17,920
March	57,735	13,300	435	1,862	114,500
April	35,254	4,190	405	1,175	69,930
May	5,977	392	84	193	11,860
June	1,274	83	15	42.5	2,530
July	309.3	18	4.1	9.98	613
August	222.0	8	6	7.16	440
September	178.5	6.5	5	5.95	354
Water year 1934-35	177,619.8	16,000	.8	487	352,300

Conn Creek near St. Helena, Calif.

Location.- Water-stage recorder, lat. 38°29', long. 122°24', in NW¼ sec. 3, T. 7 N., R. 5 W., a quarter of a mile upstream from highway bridge, 4 miles southeast of St. Helena, and 6 miles above mouth. Altitude, about 180 feet.

Drainage area.- 52.0 square miles.

Records available.- November 1929 to September 1935.

Extremes.- Maximum discharge during year, 2,750 second-feet Mar. 6 (gage height, 8.80 feet); no flow for several months.
1930-35: Maximum discharge, that of Mar. 6, 1935; no flow several months each year.

Remarks.- Records good except those estimated, Dec. 17 to Jan. 7. Small diversions 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	1.7	10	16	359	34	28	5.5			
2		0	1.4	8	14	141	36	26	5			
3		0	1.2	4	14	72	82	22	5			
4		0	1.2	250	14	56	68	20	4.9			
5		0	1.0	120	14	39	55	19	4.7			
6		0	.8	40	13	670	55	18	4.4			
7		.0	.7	300	13	454	528	17	4.4			
8		0	.7	104	12	194	478	17	4.1			
9		0	.6	322	12	126	207	16	3.8			
10		0	.6	146	12	92	141	16	3.5			
11		0	.6	84	11	72	110	14	3.0			
12		0	.7	59	11	61	91	14	2.4			
13		0	3.2	346	11	51	77	13	2.2			
14		0	16	758	12	43	74	12	2.2			
15		1.5	9	180	10	38	409	12	2.2			
16		2.0	5.5	167	10	33	194	12	2.0			
17		1.4	8	124	9.5	29	132	11	1.8			
18		116	6	107	9.5	27	103	10	1.7			
19		45	5	82	9	26	87	9.5	1.2			
20		12	4	66	8.5	24	73	8.5	1.0			
21		6.5	4	53	8.5	28	63	8	.9			
22		5	4	46	8.5	90	56	7.5	.8			
23		5.5	3	39	8.5	289	51	8.5	.7			
24		5	3	34	8.5	114	47	8.5	.6			
25		4.1	3	29	8	90	40	7.5	.3			
26		3.5	3	26	8	74	38	6.5	.1			
27		2.9	6	23	8.5	62	35	6.5	0			
28		2.6	7	21	68	52	33	6	0			
29		2.3	10	20	-	46	35	5.5	0			
30		2.0	30	19	-	41	31	5.5	0			
31		-	15	17	-	38	-	5.5	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	217.3	116	0	7.24	431
December	155.9	30	.6	5.03	309
Calendar year 1934	2,360.7	544	0	6.44	4,660
January	3,603	758	4	116	7,150
February	362.0	68	8	12.9	718
March	3,531	670	24	114	7,000
April	3,463	528	31	115	6,870
May	390.5	28	5.5	12.6	775
June	68.4	5.5	0	2.28	136
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	11,791.1	758	0	32.3	23,390

Note.- No flow during months left blank.

Lake Pillsbury at Hullville, Calif.

Location.- Staff gage, lat. 39°24', long. 122°57', on line between secs. 14 and 23, T. 18 N., R. 10 W., at Scott Dam, on Eel River at Hullville, 0.3 mile below Rice Fork.

Records available.- October 1922 to September 1935.

Remarks.- Lake Pillsbury is a storage reservoir of Pacific Gas & Electric Co. Elevation of crest of dam, 1,920 feet above mean sea level. Water is released down Eel River to Van Arsdale Reservoir, where it is diverted through tunnel to power plant at Potter Valley; part is then used for irrigation and remainder flows into East Fork of Russian River. Table of daily contents shows available storage. Record of daily gage heights furnished by Pacific Gas & Electric 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	50,920	41,060	55,610	61,320	75,910	84,870	84,210	87,090	93,720	89,560	80,310	69,280
2	50,600	40,910	55,810	61,890	75,700	83,340	83,990	87,770	93,720	89,350	79,890	68,860
3	50,270	41,060	55,610	61,670	75,700	83,120	83,760	88,670	93,720	89,120	79,470	68,690
4	49,780	41,640	55,810	63,540	75,700	82,900	84,650	89,120	93,720	89,120	79,260	68,100
5	49,460	41,490	55,640	68,690	75,700	82,460	83,560	89,580	93,490	88,670	79,040	67,720
6	49,140	41,350	55,640	70,650	75,700	82,460	82,250	90,490	93,490	88,670	78,620	67,330
7	48,820	41,060	55,460	72,850	75,910	82,900	85,090	90,950	93,260	88,220	78,200	67,140
8	48,460	40,770	55,290	75,500	75,700	81,820	86,420	91,840	93,260	88,220	77,780	66,950
9	48,180	40,480	55,120	76,120	75,500	80,960	83,340	92,330	93,030	87,770	77,360	66,560
10	47,860	40,200	55,120	76,320	75,090	81,390	82,680	92,560	93,030	87,320	76,950	66,180
11	47,550	40,060	54,950	75,910	74,880	81,820	82,460	92,560	92,800	87,090	76,530	65,800
12	47,070	39,770	54,610	75,300	74,680	82,030	82,030	92,560	92,800	86,870	76,320	65,420
13	46,760	39,490	54,610	75,300	74,680	82,250	81,390	92,560	92,800	86,420	76,120	65,040
14	46,450	39,350	55,290	75,910	74,470	82,460	81,170	92,800	92,560	86,200	75,700	64,660
15	45,990	41,350	55,460	75,700	74,470	82,680	82,900	93,260	92,560	85,980	75,300	64,280
16	45,520	41,930	55,640	75,500	74,270	82,680	82,680	93,490	92,330	85,540	74,880	63,910
17	45,220	42,370	56,680	75,300	74,060	82,680	81,600	93,700	92,350	85,540	74,470	63,540
18	44,920	43,350	57,200	75,300	74,060	82,680	82,030	93,960	92,100	85,090	74,060	63,170
19	44,610	43,660	57,560	75,090	74,060	82,460	82,030	93,960	91,870	84,650	73,860	62,800
20	44,310	50,110	57,740	74,680	74,060	82,250	82,250	94,200	91,870	84,210	73,660	62,610
21	44,000	50,430	57,910	74,470	74,060	82,250	82,250	94,200	91,640	83,990	73,260	62,240
22	43,700	50,920	58,090	74,060	74,060	82,030	82,030	94,200	91,400	83,770	72,850	62,060
23	43,410	52,250	58,090	74,060	73,860	82,460	82,250	94,200	91,400	83,340	72,450	61,690
24	43,110	53,580	58,090	74,270	73,860	82,680	82,250	94,200	91,180	82,900	72,040	61,320
25	42,810	54,100	57,910	74,680	74,060	82,900	82,250	93,960	90,950	82,460	71,650	60,960
26	42,370	54,780	57,910	75,300	74,060	83,560	82,460	93,960	90,720	82,460	71,450	60,590
27	42,080	55,290	58,260	75,500	74,680	83,990	83,340	93,960	90,490	82,030	71,250	60,230
28	41,780	55,460	58,440	75,700	80,740	84,430	83,990	93,960	90,260	81,600	70,850	59,870
29	41,360	55,640	58,620	75,500	-	84,650	85,090	93,960	90,030	81,170	70,460	59,160
30	41,060	55,810	59,870	76,120	-	84,650	85,980	93,720	90,030	80,960	70,060	58,800
31	41,060	-	60,590	76,120	-	84,650	-	93,720	-	80,740	69,670	-

Note.- Contents on Sept. 30, 1934, was 51,250 acre-feet.

Eel River at Hullville, Calif.

Location.- Water-stage recorder, lat. 39°24', long. 122°58', in NE¼ sec. 22, T. 18 N., R. 10 W., half a mile below Scott Dam, half a mile above Soda Creek, and half a mile west of Hullville. Altitude, about 1,800 feet.

Records available.- November 1922 to September 1935.

Average discharge.- 12 years (1923-35), 345 second-feet.

Extremes.- Maximum discharge during year, 6,000 second-feet Apr. 8 (gage height, 12.30 feet); minimum, 11.0 second-feet Nov. 16.
1922-35: Maximum discharge, 32,600 second-feet Mar. 26, 1928 (gage height, 21.0 feet, present datum); practically no flow at times owing to regulation.

Remarks.- Records good except those estimated, Nov. 3-10, Jan. 3-10, 19-25. See record for Lake Pillsbury, which stores water above station. Gage-height record furnished by Pacific Gas & Electric 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	176	166	154	79	1,090	2,360	970	144	163	116	159	156
2	176	145	155	125	1,090	2,460	940	144	159	113	161	158
3	178	143	164	120	1,030	1,460	2,500	143	156	113	161	167
4	178	94	166	50	1,060	1,420	3,360	143	152	111	161	165
5	180	175	166	20	1,090	1,150	2,910	143	150	110	161	165
6	184	182	171	20	1,060	1,150	2,180	143	148	110	161	165
7	182	180	175	175	1,090	1,820	3,840	141	146	113	161	165
8	180	171	175	950	1,030	1,600	5,300	222	146	146	161	165
9	180	160	173	1,250	925	882	3,540	197	144	146	161	165
10	178	154	173	1,350	825	468	2,340	324	134	144	161	165
11	178	150	169	1,140	732	484	1,780	368	125	144	161	165
12	178	145	166	950	688	500	1,630	360	116	144	161	163
13	176	126	154	950	665	514	1,560	224	111	146	159	163
14	180	129	140	1,120	620	527	1,280	167	113	146	159	165
15	180	44	140	1,000	572	536	2,180	150	113	148	159	163
16	180	117	116	925	520	545	2,580	141	111	150	159	163
17	180	182	93	925	476	545	1,700	165	111	158	159	163
18	180	116	117	900	448	536	1,280	206	111	159	150	161
19	184	35	109	800	430	527	1,210	232	111	159	111	161
20	184	68	86	700	430	514	1,150	244	110	159	159	161
21	186	136	144	550	430	514	1,150	260	110	158	159	161
22	184	122	145	450	420	509	910	255	110	158	159	161
23	184	85	154	450	409	527	768	260	113	158	159	161
24	184	71	160	520	392	536	768	244	122	158	158	165
25	182	152	160	700	294	550	700	229	122	158	158	167
26	182	152	144	850	212	586	448	222	122	158	158	167
27	180	152	120	978	216	620	300	206	122	158	158	165
28	182	152	18	1,000	388	640	208	195	118	156	158	165
29	182	152	105	1,000	-	822	144	186	118	156	158	165
30	182	152	62	1,170	-	1,000	144	173	116	154	156	165
31	180	-	45	1,170	-	970	-	167	-	158	156	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,602	186	176	181	11,110
November	4,007	182	35	134	7,950
December	4,319	176	45	139	8,570
Calendar year 1934	85,134	2,710	35	233	168,800
January	22,387	1,350	20	722	44,400
February	18,632	1,090	212	665	36,960
March	27,272	2,460	468	880	54,090
April	49,570	5,300	144	1,652	98,320
May	6,378	368	141	206	12,650
June	3,803	163	110	127	7,540
July	4,464	159	110	144	8,850
August	4,882	161	111	157	9,680
September	4,906	167	156	164	9,730
Water year 1934-35	156,222	5,300	20	428	309,800

Eel River at Van Arsdale Dam, near Potter Valley, Calif.

Location.- Staff gage, lat. 39°23', long. 123°7', in NE¼ sec. 30, T. 18 N., R. 11 W., 500 feet below Van Arsdale Dam and 5 miles north of Potter Valley. Altitude, about 1,400 feet.

Records available.- October 1927 to September 1935; November 1909 to September 1927 at former site above dam, 1,300 feet upstream (monthly discharge only for combination of this station and Snow Mountain Water & Power Co.'s tailrace near Potter Valley, 1909-22).

Average discharge.- 12 years (1922-26, 1927-35), 171 second-feet.

Extremes.- Maximum discharge during year, 7,960 second-feet Apr. 8 (gage height, 14.80 feet); minimum, 1.2 second-feet Oct. 1-6, Nov. 14.
1909-35: Maximum discharge, about 40,000 second-feet Mar. 26, 1928 (gage height, 27.0 feet); minimum, 0.4 second-foot Oct. 12, 13, 1931.

Remarks.- Records fair. Daily discharge for July was interpolated. Water diverted from Van Arsdale Reservoir to power plant in Potter Valley, after which part is used for irrigation and remainder turned into East Fork of Russian River. Records show flow passing dam and down Eel River. Gage-height record furnished by Pacific Gas & Electric 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	1.2	2.3	9.5	11	1,150	2,760	1,030	130	63	2.7	1.4	1.4
2	1.2	2.3	6	34	1,110	3,110	1,030	130	56	2.7	1.4	1.4
3	1.2	3.1	4.3	33	1,030	1,670	2,500	120	38	2.7	1.4	1.4
4	1.2	1.6	14	211	1,030	1,550	4,060	120	30	2.7	1.4	1.4
5	1.2	1.5	8.5	297	1,030	1,390	3,470	112	28	2.6	1.4	1.4
6	1.2	1.6	3.1	90	994	1,070	2,590	112	28	2.6	1.4	1.4
7	1.5	1.7	2.3	378	994	2,000	4,570	112	28	2.6	1.4	1.4
8	1.5	2.0	2.3	1,680	956	1,730	7,080	212	28	2.5	1.4	1.4
9	1.5	2.0	2.4	1,750	842	1,240	4,650	200	30	2.5	1.4	1.4
10	1.5	2.0	4.3	1,560	770	586	2,930	70	27	2.5	1.4	1.4
11	1.5	2.0	5.5	1,190	628	586	2,000	148	23	2.4	1.4	1.4
12	1.5	2.0	4.1	956	560	586	1,860	330	17	2.4	1.4	1.4
13	1.5	1.7	6	1,070	560	586	1,730	63	7	2.3	1.4	1.4
14	2.0	1.2	50	1,230	560	620	1,390	71	7	2.3	1.4	1.5
15	2.0	33	10	1,070	492	620	2,210	80	7	2.2	1.4	1.6
16	2.0	1.2	17	994	413	586	2,930	60	4.0	2.2	1.4	1.4
17	2.0	3.3	42	1,030	368	586	2,140	103	4.0	2.1	1.4	1.4
18	2.0	162	12	994	324	586	1,390	120	4.4	2.1	18	1.4
19	2.0	196	18	842	297	552	1,290	139	3.6	2.0	2.6	1.4
20	2.0	3.5	20	734	297	552	1,150	148	3.2	2.0	1.4	1.4
21	2.0	2.5	12	662	297	518	1,150	178	2.7	1.9	1.4	1.4
22	2.0	19	8	492	284	586	1,030	178	2.7	1.9	1.4	1.3
23	1.5	184	10	413	271	586	800	168	2.7	1.8	1.4	1.3
24	1.5	10	10	492	245	620	800	168	2.7	1.8	1.4	1.3
25	1.5	28	18	698	232	692	800	158	2.7	1.7	1.4	1.3
26	1.5	55	25	880	87	800	586	139	2.7	1.7	1.4	1.3
27	1.5	38	20	1,030	191	800	345	103	2.7	1.6	1.4	1.3
28	1.7	19	4.8	1,110	880	800	276	78	2.7	1.6	1.4	1.3
29	1.7	9.5	19	1,030	-	914	168	66	2.7	1.5	1.4	1.3
30	2.0	9.5	196	1,230	-	1,070	158	70	2.7	1.5	1.4	1.3
31	2.0	-	28	1,230	-	1,030	-	56	-	1.4	1.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	50.6	2.0	1.2	1.63	100
November	800.5	196	1.2	26.7	1,590
December	592.1	196	2.3	19.1	1,170
Calendar year 1934	49,806.9	3,510	1.2	136	98,880
January	25,421	1,750	11	820	50,420
February	16,892	1,150	87	603	33,500
March	31,382	3,110	518	1,012	62,250
April	58,113	7,080	158	1,937	115,300
May	3,942	330	56	127	7,820
June	463.2	63	2.7	15.4	919
July	66.5	2.7	1.4	2.15	132
August	61.2	18	1.4	1.97	121
September	41.4	1.6	1.3	1.38	82
Water year 1934-35	137,825.5	7,080	1.2	378	273,400

Eel River at Scotia, Calif.

Location.- Wire-weight gage, lat. 40°29', long. 124°6', in sec. 7, T. 1 N., R. 1 E., at Wildwood Bridge, half a mile north of Scotia. Altitude, about 50 feet.

Drainage area.- 3,070 square miles.

Records available.- December 1910 to February 1915, October 1916 to September 1935.

Average discharge.- 22 years (1911-14, 1916-35), 5,529 second-feet.

Extremes.- Maximum discharge during year, 79,900 second-feet Apr. 8 (gage height, 29.62 feet); minimum, 53 second-feet Sept. 5.
1910-15, 1916-35: Maximum discharge, about 290,000 second-feet Feb. 2, 1915 (gage height, 55.5 feet); minimum, 10 second-feet Aug. 12-14, 1924.

Remarks.- Records good. Storage in Lake Pillsbury and diversions for power and irrigation near Potter Valley 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	61	4,980	6,000	15,300	12,500	28,100	10,900	7,120	1,590	338	129	70
2	61	4,280	5,480	11,200	11,200	24,500	9,740	6,000	1,520	338	129	63
3	60	5,480	4,500	8,840	10,600	21,300	11,800	5,720	1,460	333	124	58
4	58	15,000	3,840	14,100	10,000	16,700	28,100	4,920	1,400	333	116	56
5	60	7,120	3,440	36,600	10,000	15,000	29,700	4,440	1,340	328	118	53
6	81	3,440	3,040	20,900	10,000	13,700	27,300	4,920	1,280	317	113	55
7	106	2,380	2,530	20,100	9,740	22,100	43,500	5,180	1,160	317	118	56
8	104	1,880	2,380	38,800	9,440	22,100	77,300	5,180	1,110	317	116	56
9	92	1,430	2,230	31,300	8,840	17,000	48,200	4,920	1,060	311	113	60
10	88	1,250	2,080	25,700	6,840	14,100	31,300	4,680	1,000	290	108	60
11	90	970	1,940	19,400	6,000	11,200	25,300	4,440	950	280	108	62
12	83	780	1,810	15,300	6,000	9,740	21,700	3,960	900	285	104	65
13	79	650	1,740	19,400	6,280	9,140	16,300	3,740	900	270	99	65
14	75	780	3,240	33,400	7,680	9,440	15,000	3,520	855	264	99	74
15	79	10,900	5,480	28,900	6,840	8,240	22,500	3,120	783	264	99	92
16	79	12,500	4,280	27,300	6,000	7,680	29,700	3,120	729	254	95	95
17	81	6,560	7,960	30,500	5,480	7,120	23,300	2,940	688	245	97	97
18	83	8,540	7,400	30,500	4,980	6,560	18,700	2,760	656	241	95	97
19	83	37,400	6,000	26,900	4,740	6,000	15,700	2,760	640	228	92	95
20	88	21,300	4,740	20,100	4,500	6,000	14,400	2,590	576	219	92	106
21	190	11,800	4,280	15,700	4,740	8,240	12,800	2,590	546	210	90	108
22	575	9,140	3,840	13,100	4,740	9,140	11,800	2,760	518	194	88	106
23	780	15,300	3,640	11,800	4,500	15,000	10,300	2,760	497	179	86	104
24	1,140	20,900	3,240	13,100	4,280	14,700	9,140	2,760	462	165	86	99
25	650	13,100	3,040	15,000	4,060	14,100	8,240	2,430	434	159	82	97
26	470	11,200	3,040	15,700	4,060	21,300	7,680	2,280	414	159	78	97
27	360	10,300	8,240	15,300	4,980	19,400	7,400	2,130	420	149	74	95
28	330	8,240	10,900	14,400	16,700	16,000	7,120	2,130	408	146	76	111
29	296	7,120	14,400	13,700	-	14,100	7,400	1,920	372	140	74	99
30	273	5,480	34,300	15,300	-	12,800	7,960	1,720	344	135	76	90
31	2,380	-	22,500	14,700	-	12,100	-	1,590	-	129	76	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,055	2,380	58	292	17,960
November	260,200	37,400	650	8,673	516,100
December	191,530	34,300	1,740	6,178	379,900
Calendar year 1934	1,373,884	43,500	52	3,764	2,726,000
January	632,340	38,800	6,840	20,400	1,254,000
February	207,720	18,700	4,060	7,419	412,000
March	432,600	28,100	6,000	13,950	858,000
April	610,280	77,300	7,120	20,340	1,210,000
May	111,100	7,120	1,590	3,584	220,400
June	25,012	1,590	344	834	49,610
July	7,537	338	129	243	14,950
August	3,050	129	74	98.4	6,050
September	2,441	111	53	81.4	4,840
Water year 1934-35	2,492,865	77,300	53	6,830	4,944,000

Potter Valley power-house tailrace near Potter Valley, Calif.

Location.- Water-stage recorder, lat. 39°21', long. 123°7', in NW¼ sec. 6, T. 17 N., R. 11 W., at power house of Pacific Gas & Electric Co., 3 miles northwest of Potter Valley. Altitude, about 1,000 feet.

Records available.- October 1922 to September 1935.

Average discharge.- 13 years, 201 second-feet.

Extremes.- Maximum mean daily discharge during year, 204 second-feet Oct. 16; minimum, 92 second-feet Aug. 18.
1922-35: Maximum mean daily discharge, 321 second-feet Aug. 28, 1933; no flow several days in October 1924, January 1934.

Remarks.- Records fair. Water is diverted from Eel River above Van Arsdale Dam. After passing through power plant part of it is used for irrigation in Potter Valley and remainder flows into East Fork of Russian River. Irrigation water diverted from tailrace above gage is included in tables of discharge. Gage-height record for tailrace and daily-discharge record for irrigation ditches furnished by Pacific Gas & Electric 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	185	182	185	189	184	184	180	123	126	145	198	181
2	185	160	186	188	185	184	179	125	123	145	144	183
3	186	181	184	186	184	184	178	128	129	141	186	184
4	186	173	182	189	184	183	178	125	129	140	161	181
5	185	184	183	185	183	186	161	124	126	141	181	181
6	176	164	187	186	183	185	178	130	122	112	177	171
7	185	182	185	188	185	183	180	124	129	154	181	168
8	184	184	186	186	183	184	165	126	123	198	172	182
9	184	183	185	186	186	182	126	126	116	194	129	181
10	184	184	186	186	183	183	127	127	120	168	179	184
11	184	184	186	185	185	183	127	126	125	150	181	182
12	184	184	185	186	185	182	126	125	129	149	182	183
13	184	184	185	186	185	182	126	125	127	193	184	181
14	185	184	185	185	185	182	126	126	126	196	182	183
15	185	185	186	186	184	183	124	124	126	196	173	180
16	204	185	185	188	*185	184	125	125	126	190	130	180
17	188	185	185	185	*185	183	125	126	126	194	180	180
18	186	184	184	185	*188	182	124	127	128	184	92	180
19	188	182	184	184	186	185	125	127	131	140	168	182
20	186	183	93	186	188	184	123	127	127	192	183	182
21	190	182	179	185	186	182	126	129	136	196	180	179
22	186	184	186	185	186	183	125	127	140	195	174	180
23	188	184	186	185	186	183	125	126	145	193	130	182
24	188	184	185	184	185	182	126	128	141	196	178	182
25	188	184	188	186	186	180	124	128	140	197	179	180
26	190	183	188	186	186	180	105	127	139	138	182	179
27	190	184	188	184	185	178	125	127	140	194	183	180
28	186	183	188	184	185	180	125	127	140	199	181	182
29	184	184	188	188	-	178	125	125	146	195	173	179
30	174	184	185	184	-	178	125	126	143	194	133	182
31	184	-	186	184	-	179	-	125	-	196	180	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,762	204	174	186	11,430
November	5,473	185	160	182	10,860
December	5,656	188	93	182	11,220
Calendar year 1934	51,515.5	257	0	141	102,200
January	5,752	189	178	186	11,410
February	5,182	188	183	185	10,280
March	5,652	186	178	182	11,210
April	4,134	180	105	138	8,200
May	3,911	130	123	126	7,760
June	3,924	146	116	131	7,780
July	5,415	199	112	175	10,740
August	5,258	198	92	170	10,430
September	5,414	184	168	180	10,740
Water year 1934-35	61,535	204	92	169	122,100

*Estimated.

Williamson River below Sprague River, near Chiloquin, Oreg.

Location.- Water-stage recorder, lat. 42°34', long. 121°52', in sec. 3, T. 35 S., R. 7 E., a quarter of a mile below mouth of Sprague River and three-quarters of a mile southwest of Chiloquin. Zero of gage is 4,155.66 feet above mean sea level by general adjustment of 1929.

Drainage area.- 3,000 square miles.

Records available.- June 1917 to September 1935.

Average discharge.- 18 years, 823 second-feet.

Extremes.- Maximum discharge during year, 2,300 second-feet Apr. 20 (gage height, 4.26 feet); minimum, 398 second-feet Sept. 3, 4 (gage height, 2.15 feet).
1917-35: Maximum discharge, about 7,000 second-feet Apr. 27, 1917 (sum of discharges on that date at stations on Sprague River at Chiloquin, 4,490 second-feet, and Williamson River at Chiloquin, estimated, 2,500 second-feet); minimum, 320 second-feet Oct. 14, 1920.

Remarks.- Records excellent except those for Oct. 28 to Nov. 1, Dec. 3-7, Apr. 19, which are good and which were estimated by comparison with discharge of Sprague River. Diversions for irrigation above station. Manipulation of gates at dams above causes fluctuation at times. Water-stage recorder inspected by employee of The California Oregon Power Co.

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

2.2	420	2.8	800	3.4	1,350	4.0	2,000
2.4	525	3.0	970	3.6	1,560	4.2	2,240
2.6	650	3.2	1,150	3.8	1,780	4.4	2,480

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	514	560	585	537	592	706	988	1,400	979	465	508	476
2	514	565	573	531	598	706	1,010	1,350	979	460	508	411
3	514	604	560	537	592	744	1,060	1,400	979	455	503	402
4	508	598	550	592	592	808	1,140	1,450	988	445	503	402
5	508	579	550	585	604	872	1,220	1,560	988	450	498	416
6	508	579	545	598	611	889	1,300	1,560	961	445	492	430
7	520	579	545	598	616	864	1,450	1,450	916	440	496	440
8	514	579	543	592	637	784	1,670	1,350	872	455	496	445
9	514	579	537	592	671	713	1,890	1,350	332	470	492	445
10	514	573	549	592	699	685	2,000	1,500	776	470	492	440
11	514	585	556	585	728	676	2,120	1,450	744	470	492	445
12	514	579	561	561	736	664	2,160	1,500	555	470	486	450
13	514	573	579	543	744	664	2,180	1,500	531	465	486	455
14	520	573	579	543	706	678	2,120	1,500	531	460	486	465
15	525	585	579	537	692	736	2,000	1,500	525	470	492	470
16	531	579	585	549	720	624	1,890	1,500	525	476	486	531
17	549	598	585	525	637	672	2,000	1,500	525	498	470	567
18	555	611	579	492	611	898	2,120	1,450	543	492	470	543
19	555	604	592	486	604	889	2,230	1,400	685	481	445	514
20	561	598	611	498	611	872	2,300	1,350	699	470	440	498
21	573	598	604	520	618	824	2,240	1,300	630	470	445	498
22	561	598	611	561	624	776	2,120	1,170	585	470	455	492
23	561	604	624	579	637	752	1,940	1,130	567	470	460	486
24	555	592	630	598	657	720	1,840	1,130	549	470	460	460
26	555	592	644	611	736	706	1,720	1,100	543	476	455	465
26	555	585	657	604	776	713	1,720	1,060	531	561	455	476
27	555	592	650	598	768	784	1,720	1,020	525	604	455	486
28	560	585	630	592	736	864	1,670	997	525	598	450	486
29	575	585	611	585	-	907	1,560	1,010	492	514	476	486
30	570	585	598	592	-	925	1,450	997	481	508	531	498
31	575	-	573	592	-	961	-	988	-	508	537	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,661	575	508	537	33,050
November	17,636	611	573	588	34,980
December	18,174	657	537	586	36,050
Calendar year 1934	208,727	1,070	425	572	414,000
January	17,505	611	486	565	34,720
February	18,555	776	592	663	36,800
March	24,478	961	664	790	48,550
April	52,848	2,300	988	1,762	104,800
May	40,922	1,560	988	1,320	81,170
June	20,561	988	481	685	40,780
July	14,956	604	440	482	29,660
August	14,924	537	440	481	29,600
September	14,078	567	402	469	27,920
Water year 1934-35	271,298	2,300	402	743	538,100

Upper Klamath Lake near Klamath Falls, Oreg.

Location.- Water-stage recorder, lat. 42°15', long. 121°48', in SW¼ sec. 19, T. 38 S., R. 9 E., 1 mile above outlet of Upper Klamath Lake and 2 miles northwest of Klamath Falls. Zero of gage is 4,134.15 feet above mean sea level by 1929 general adjustment, and 4,135.93 feet by U. S. Bureau of Reclamation datum. All lake elevations given are referred to the latter datum.

Records available.- May 1904 to September 1935.

Extremes.- Maximum elevation during year, 4,143.56 feet Apr. 16; minimum, 4,136.73 feet Oct. 21. Maximum mean daily elevation, 4,143.13 feet Apr. 16; minimum, 4,137.91 feet Oct. 21.

1904-35: Maximum elevation recorded, 4,144.98 feet about Apr. 20, 1904, determined from high-water marks; minimum (estimated), 4,135.9 feet Nov. 2, 1928; maximum and minimum mean daily elevations occurred during periods when no continuous recorder was in operation so were not determined.

Remarks.- Lake elevations, particularly extremes, are very much affected by wind. Considerable regulation caused by dam at outlet of lake since Apr. 15, 1919. Water-stage recorder inspected by employees of The California Oregon Power Co.

Elevation, in feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38.34	38.50	39.94	40.79	41.47	42.15	42.64	42.95	42.87	42.14	41.23	40.14
2	38.41	38.45	39.89	40.81	41.49	42.17	42.60	42.99	42.78	42.05	41.19	40.12
3	38.35	38.55	39.90	40.78	41.51	42.19	42.64	42.89	42.80	42.04	41.16	40.07
4	38.38	38.57	40.02	40.83	41.53	42.22	42.68	42.85	42.79	41.97	41.12	40.02
5	38.31	38.65	40.01	40.88	41.55	42.25	42.86	42.93	42.74	41.92	41.05	40.02
6	38.31	38.77	40.00	40.85	41.57	42.28	42.72	42.94	42.75	41.86	41.04	40.05
7	38.17	38.81	40.03	40.94	41.60	42.30	42.81	42.93	42.77	41.86	41.01	39.92
8	38.31	38.91	40.04	40.99	41.61	42.32	43.12	42.95	42.74	41.86	40.96	39.84
9	38.31	38.96	40.06	41.09	41.63	42.33	43.05	43.02	42.69	41.81	40.89	39.79
10	38.31	38.99	40.07	41.04	41.64	42.33	42.98	43.00	42.65	41.78	40.88	39.67
11	38.32	39.01	40.09	41.06	41.68	42.33	42.97	43.04	42.70	41.83	40.87	39.70
12	38.49	39.04	40.11	41.08	41.70	42.33	42.96	42.97	42.67	41.75	40.82	39.67
13	38.49	38.94	40.15	41.15	41.75	42.35	42.96	42.96	42.58	41.70	40.82	39.56
14	38.40	38.72	40.19	41.18	41.79	42.37	42.93	42.97	42.60	41.72	40.84	39.41
15	38.41	39.20	40.22	41.20	41.83	42.39	42.95	42.89	42.44	41.73	40.83	39.48
16	38.34	39.17	40.25	41.25	41.85	42.40	43.13	42.86	42.47	41.72	40.72	39.63
17	38.35	39.16	40.28	41.30	41.87	42.42	42.96	43.02	42.41	41.70	40.60	39.60
18	38.32	39.04	40.28	41.35	41.90	42.44	42.98	42.99	42.40	41.62	40.60	39.57
19	38.16	39.33	40.32	41.36	41.92	42.47	42.98	43.00	42.45	41.45	40.55	39.56
20	38.03	39.40	40.34	41.37	41.93	42.48	42.92	43.02	42.37	41.47	40.44	39.52
21	37.91	39.35	40.39	41.38	41.95	42.54	43.01	42.98	42.40	41.57	40.40	39.48
22	38.34	39.40	40.43	41.38	41.98	42.30	42.73	43.10	42.44	41.47	40.40	39.49
23	38.25	39.54	40.47	41.39	42.00	42.54	43.03	43.09	42.41	41.46	40.39	39.52
24	38.38	39.45	40.65	41.38	42.02	42.42	42.92	42.99	42.27	41.42	40.40	39.46
25	38.47	39.69	40.41	41.38	42.04	42.52	42.91	42.97	42.26	41.36	40.34	39.44
26	38.50	39.56	40.47	41.40	42.06	42.66	42.94	42.98	42.20	41.30	40.29	39.40
27	38.52	39.79	40.56	41.40	42.08	42.62	42.99	42.97	42.18	41.37	40.19	39.37
28	38.53	39.65	40.57	41.41	42.12	42.58	42.88	42.92	42.12	41.33	40.18	39.26
29	38.46	39.79	40.48	41.42	-	42.61	42.87	43.06	42.21	41.36	40.20	39.23
30	38.40	39.92	40.75	41.44	-	42.65	42.98	43.07	42.15	41.29	40.19	39.23
31	38.33	-	40.76	41.45	-	42.65	-	42.90	-	41.33	40.16	-

Note.- Add 4,100 feet to obtain elevations above mean sea level.

Monthly elevation and contents, water year October 1934 to September 1935

Date	Elevation in feet	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	4,138.36	200,600	-
Oct. 31	4,138.46	206,600	+6,000
Nov. 30	4,139.84	292,800	+86,200
Dec. 31	4,140.71	358,800	+66,000
Jan. 31	4,141.48	421,400	+62,600
Feb. 28	4,142.12	478,500	+57,100
Mar. 31	4,142.82	522,500	+44,000
Apr. 30	4,142.94	551,100	+28,600
May 31	4,142.91	548,400	-2,700
June 30	4,142.13	479,400	-69,000
July 31	4,141.27	405,300	-74,100
Aug. 31	4,140.15	315,100	-90,200
Sept. 30	4,139.23	253,500	-61,600
The water year			+52,900

Note.- To compensate for wind effect, elevation given for last day of month is mean of elevations for last 4 days of month and first 3 days of following month. Contents given are those above elevation 4,135 feet.

Link River at Klamath Falls, Oreg.

Location.- Water-stage recorder, lat. 42°13', long. 121°48', in sec. 32, T. 38 S., R. 9 E., 200 yards above outlet of Keno Canal and three-eighths of a mile above Main Street Bridge at Klamath Falls. Zero of gage is 4,083.71 feet above mean sea level by general adjustment of 1929, and 4,085.50 feet by U. S. Bureau of Reclamation datum.

Drainage area.- 3,800 square miles.

Records available.- May 1904 to September 1935.

Average discharge.- 31 years, 1,640 second-feet (including Keno Canal).

Extremes.- Maximum combined daily discharge of Link River and Keno Canal, 3,860 second-feet Apr. 16, 18, 21; minimum, 26 second-feet Nov. 16-18.
1904-35: Maximum discharge, 9,400 second-feet May 12, 1904 (gage height at bridge, 7.30 feet); minimum, 22 second-feet Aug. 30, 1918; minimum daily discharge, 26 second-feet Aug. 30, 1932, Nov. 16-18, 1934.

Remarks.- Records good. Regulation caused by storage of water in Upper Klamath Lake since April 1919. Water diverted above station by the main or "A" Canal and Keno Canal. Other small diversions above lake. Discharge tables include flow of Keno Canal. Water-stage recorder inspected by employee of The California Oregon Power 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	1,250	640	473	36	237	256	1,010	1,790	682	1,160	1,290	1,070
2	1,310	728	332	36	64	113	687	1,790	704	1,150	1,450	925
3	1,310	33	434	267	60	60	527	1,790	1,280	1,160	1,410	1,410
4	1,100	30	464	298	443	244	538	1,520	1,500	356	831	1,150
5	976	192	508	144	437	79	531	1,380	1,420	1,070	1,170	1,140
6	960	30	472	38	289	412	530	1,130	1,200	540	1,460	1,410
7	968	28	398	133	261	1,120	811	736	1,200	352	1,210	1,140
8	1,080	31	73	350	267	614	1,460	766	944	1,040	1,210	1,130
9	1,100	31	31	256	204	814	1,450	783	862	981	1,460	1,410
10	972	30	545	256	60	807	1,560	778	1,310	754	1,450	1,400
11	976	30	366	69	274	813	2,150	295	1,240	885	948	1,400
12	992	30	361	46	243	813	3,020	101	1,550	1,070	1,130	1,400
13	992	371	371	48	96	800	3,030	1,000	1,320	759	1,440	1,390
14	983	331	371	345	57	814	3,010	1,210	1,220	346	1,450	1,120
15	980	70	41	343	56	814	3,410	1,230	712	1,140	1,170	1,390
16	972	26	162	300	54	328	3,860	1,200	514	1,250	1,440	1,370
17	973	26	436	150	54	60	3,840	1,210	1,240	1,170	1,440	1,400
18	969	26	436	288	54	821	3,660	652	1,070	1,440	1,080	1,140
19	969	185	351	492	203	822	3,700	560	1,030	1,430	1,450	1,130
20	899	271	286	76	242	821	3,760	944	1,060	1,190	1,450	1,390
21	147	368	286	742	328	914	3,860	848	1,170	355	1,170	1,390
22	329	370	36	1,110	346	775	3,460	881	469	1,050	1,450	1,390
23	616	368	33	1,110	88	1,100	3,110	1,260	466	1,250	1,190	1,130
24	432	33	252	1,110	57	1,090	3,080	1,060	1,050	1,300	1,140	1,390
25	306	38	28	1,110	358	1,140	3,080	566	959	986	1,240	1,380
26	477	550	242	822	351	1,450	2,790	720	977	965	1,450	1,120
27	507	443	139	1,110	330	1,410	2,530	1,340	994	528	1,170	1,120
28	851	438	36	725	293	1,320	2,520	1,200	1,040	602	1,030	1,110
29	1,050	28	33	323	-	1,190	2,400	1,530	704	1,120	900	1,370
30	777	30	33	508	-	1,010	1,840	459	507	1,160	725	1,110
31	700	-	33	420	-	1,010	-	1,170	-	1,170	985	-

Month	River including Keno Canal				River including Keno and A Canals			
	Maximum	Minimum	Mean	Run-off in acre-feet	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,310	147	868	53,400	1,310	147	868	53,400
November	728	26	194	11,510	728	26	194	11,510
December	545	28	260	15,990	545	28	260	15,990
Calendar year 1934	2,690	26	762	552,000	2,690	26	1,041	753,800
January	1,110	36	421	25,890	1,110	36	421	25,890
February	443	54	207	11,480	443	54	207	11,480
March	1,450	60	775	47,670	1,450	60	775	47,670
April	3,860	527	2,381	141,700	3,860	527	2,381	141,700
May	1,790	101	1,029	63,270	2,330	330	1,443	88,700
June	1,550	469	1,014	60,330	2,500	1,230	1,811	107,800
July	1,440	346	959	58,970	2,290	976	1,650	101,500
August	1,460	725	1,238	76,140	2,230	1,230	1,894	116,400
September	1,410	925	1,261	75,020	1,920	1,330	1,651	98,250
Water year 1934-35	3,860	26	886	641,400	3,860	26	1,133	820,300

Klamath River at Keno, Oreg.

Location.- Water-stage recorder, lat. 42°8', long. 121°58', in SE¼ sec. 35, T. 39 S., R. 7 E., 5 miles above mouth of Spencer Creek and 2 miles west of Keno.
Records available.- June 1904 to December 1913, January 1930 to September 1935.
Average discharge.- 14 years, 1,638 second-feet.
Extremes.- Maximum discharge during year, 4,470 second-feet Apr. 21 (gage height, 8.18 feet); minimum, 46 second-feet Nov. 15 (gage height, 1.56 feet); minimum daily discharge, 88 second-feet Nov. 12.
1904-13, 1930-35: Maximum discharge, 5,220 second-feet Apr. 19, 20, 1907; minimum, 35 second-feet Aug. 4, 1934. Minimum daily discharge, 60 second-feet May 19, 1934.
Maximum discharge known, 9,250 second-feet about May 10, 1904.
Remarks.- Records excellent. Diversions for irrigation above station. Lost River Diversion Canal enters or diverts from Klamath River above station (see records for Diversion from Klamath River to Lost River near Olene, Oreg. and Lost River diversion canal near Olene, Oreg.). Following diversions in acre-feet through Klamath Strait into Klamath Lake estimated from gate openings at Ady by U. S. Bureau of Reclamation: October, 522; November, 450; December, 246; January, 204; February, 0; March, 117; April, 0; May, 2,100; June, 3,030; July, 1,600; August, 1,180; September, 460; the year, 9,909. Flow regulated by storage in Upper Klamath Lake since April 1919 and in Lake Ewauna and Klamath River above Keno since September 1931. Water-stage recorder inspected by employee of The California Oregon Power Co.

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

1.4	32	2.2	132	3.0	340	3.8	650	4.6	1,060	6.0	1,980
1.6	50	2.4	172	3.2	410	4.0	740	4.8	1,170	6.5	2,390
1.8	73	2.6	220	3.4	480	4.2	840	5.0	1,290	7.0	2,880
2.0	100	2.8	280	3.6	560	4.4	945	5.5	1,610	8.0	4,170

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	1,320	666	598	100	402	539	1,190	2,140	100	507	1,030	950
2	1,380	775	470	100	204	474	834	2,060	100	972	1,310	854
3	1,410	186	572	332	210	442	716	1,860	569	806	1,280	1,340
4	1,200	176	493	372	560	557	748	1,640	840	294	572	1,000
5	1,030	332	642	178	570	388	736	1,410	840	923	906	1,000
6	1,030	166	585	143	407	566	162	1,240	468	464	1,300	1,290
7	1,030	130	548	208	414	1,320	345	815	484	292	1,010	1,010
8	1,140	122	126	408	398	1,030	1,780	815	179	935	924	1,030
9	1,230	120	128	574	412	992	2,060	765	302	897	1,210	1,290
10	1,080	118	644	449	309	928	2,770	718	656	632	1,220	1,380
11	1,060	115	492	196	492	932	3,340	177	682	754	685	1,410
12	1,060	86	496	190	612	954	3,740	177	926	650	718	1,410
13	1,060	398	496	144	468	844	3,880	792	676	438	1,070	1,410
14	1,060	430	500	403	333	990	3,880	1,240	700	182	1,180	1,130
15	1,060	128	132	453	330	992	3,740	1,270	198	706	1,040	1,380
16	1,060	128	290	442	316	674	4,020	1,230	103	828	1,330	1,410
17	1,080	126	586	318	276	248	4,170	1,190	745	799	1,390	1,410
18	1,060	127	597	408	290	705	4,170	644	871	1,030	944	1,140
19	1,060	254	476	554	390	1,040	4,170	214	785	1,030	1,340	1,170
20	1,030	373	446	207	434	1,310	4,170	620	802	782	1,320	1,410
21	286	481	451	800	504	1,500	4,320	560	492	108	992	1,410
22	400	501	161	1,290	531	1,620	4,320	472	101	683	1,500	1,410
23	826	482	217	1,290	373	1,290	3,880	472	99	825	990	1,100
24	627	125	434	1,290	324	1,320	3,880	577	508	1,060	944	1,410
25	322	124	234	1,040	547	1,410	3,740	104	498	787	1,030	1,410
26	522	654	434	851	556	1,750	3,600	103	442	924	1,320	1,130
27	592	560	324	1,270	544	1,720	2,990	283	525	476	1,100	1,120
28	900	576	160	919	588	1,680	2,880	558	548	251	1,010	1,090
29	1,150	122	139	584	-	1,230	2,670	668	252	872	826	1,360
30	890	126	138	573	-	1,490	2,140	99	156	943	620	1,020
31	802	-	134	718	-	1,170	-	408	-	982	893	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	29,737	1,410	286	959	58,980
November	8,707	775	86	290	17,270
December	12,133	644	126	391	24,070
Calendar year 1934	253,117	2,700	60	693	502,000
January	16,814	1,290	100	542	33,350
February	11,794	612	204	421	23,390
March	32,103	1,750	246	1,036	63,680
April	85,041	4,320	162	2,835	168,700
May	25,321	2,140	99	817	50,220
June	14,647	926	99	488	29,050
July	21,824	1,050	108	704	43,290
August	32,804	1,390	572	1,058	65,070
September	56,884	1,410	854	1,229	73,160
Water year 1934-35	327,809	4,320	86	898	650,200

Klamath River below Fall Creek, near Copco, Calif.

Location.- Water-stage recorder, lat. 41°58', long. 122°22', in NE¼ sec. 36, T. 48 N., R. 5 W., 500 feet below mouth of Fall Creek, half a mile below The California Oregon Power Co.'s Copco no. 2 plant, and 1 mile south of Copco post office. Zero of gage is about 2,310 feet above mean sea level, determined from river profile.
Drainage area.- 4,320 square miles.
Records available.- October 1928 to September 1935. At station above Fall Creek from October 1923 to September 1928.
Average discharge.- 12 years, 1,307 second-feet, including Fall Creek.
Extremes.- Maximum discharge during year, 5,310 second-feet Apr. 16 (gage height, 5.70 feet); minimum, 62 second-feet Dec. 22 (gage height, 0.95 foot). Minimum daily discharge, 99 second-feet Jan. 20.
1923-35: Maximum discharge, 6,950 second-feet above Fall Creek, Mar. 26, 1928; minimum, about 10 second-feet several times in 1925 and 1926. Minimum daily discharge, 83 second-feet below Fall Creek Aug. 2, 1931.
Remarks.- Records excellent. Diversions and regulation above station. Water-stage recorder inspected by employee of The California Oregon Power Co.

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

Table for Oct. 1 to Nov. 6

0.8	40	3.0	1,420
1.0	70	3.5	1,970
1.2	110	4.0	2,570
1.4	165	4.5	3,230
1.6	245	5.0	3,930
1.8	345		
2.0	480		
2.5	910		

Table for Nov. 6 to Sept. 30

0.8	40	3.0	1,420
1.0	70	3.5	1,970
1.2	112	4.0	2,570
1.4	170	4.5	3,240
1.6	255	5.0	4,000
1.8	360	5.5	4,910
2.0	485	6.0	5,950
2.5	910		

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	1,960	1,180	946	106	426	886	1,600	2,710	490	966	1,950	468
2	2,090	819	814	884	109	462	1,520	3,040	298	958	1,890	546
3	1,620	136	1,090	865	111	106	1,160	2,620	902	874	473	1,760
4	1,240	102	1,190	1,060	867	1,120	1,080	1,680	1,040	270	285	1,790
5	1,450	294	926	367	1,020	731	896	1,070	1,050	905	1,550	1,870
6	335	390	858	111	1,020	1,570	398	1,600	1,130	577	1,940	1,780
7	267	628	683	328	1,030	1,730	735	1,300	1,030	276	1,680	1,420
8	1,090	489	103	791	916	1,890	2,270	1,280	495	1,000	1,760	583
9	1,530	448	105	796	895	1,500	2,480	1,290	280	1,100	1,450	1,380
10	1,710	280	885	748	119	328	2,660	1,290	988	1,150	538	2,160
11	2,020	135	867	804	917	1,280	2,680	533	992	1,180	287	1,840
12	1,510	862	922	598	1,120	1,290	3,220	301	1,080	1,460	1,620	1,820
13	565	999	856	119	1,100	1,080	3,540	998	931	591	2,000	1,830
14	273	912	756	980	1,010	1,330	3,810	1,910	842	329	1,940	1,030
15	1,450	973	103	927	1,140	1,520	3,890	1,730	278	1,340	1,470	260
16	1,930	841	191	853	125	968	4,070	1,640	284	1,210	894	1,610
17	1,460	152	800	787	107	289	3,970	1,690	1,000	1,220	582	1,730
18	1,680	124	964	788	1,020	1,260	4,040	584	1,370	1,280	369	1,810
19	1,650	749	985	812	1,020	1,490	4,070	304	1,060	1,220	1,640	1,820
20	312	815	875	99	1,090	1,590	3,960	1,030	989	310	1,740	1,820
21	195	951	982	1,470	1,180	1,750	4,170	1,010	924	285	1,770	1,130
22	1,080	873	244	1,680	987	2,140	4,130	1,010	290	1,060	1,780	826
23	1,270	788	108	1,570	502	1,440	4,040	1,070	290	1,320	1,650	1,770
24	312	110	771	1,530	120	962	3,720	848	992	1,350	925	1,780
25	754	108	108	1,540	868	1,800	3,680	302	984	1,180	390	1,840
26	1,380	759	889	1,450	920	1,870	3,780	300	1,010	1,160	1,360	1,910
27	674	996	1,070	1,060	852	2,080	3,140	932	934	500	1,420	1,950
28	717	1,040	886	1,360	704	2,030	2,960	958	870	290	1,370	1,110
29	1,420	109	284	934	-	1,940	3,160	1,040	556	1,280	1,300	511
30	1,520	594	192	876	-	1,890	2,850	318	275	1,410	1,180	1,770
31	1,340	-	514	564	-	829	-	740	-	1,390	1,460	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	36,804	2,090	195	1,187	73,000
November	17,656	1,180	102	589	35,020
December	20,867	1,190	102	674	41,430
Calendar year 1934	343,700	2,640	92	942	681,800
January	26,857	1,680	99	866	53,270
February	21,285	1,180	107	760	42,220
March	41,129	2,140	106	1,327	81,580
April	87,679	4,170	398	2,923	173,900
May	37,128	3,040	300	1,198	73,640
June	23,664	1,370	275	788	46,920
July	29,421	1,460	265	949	58,360
August	40,643	2,000	285	1,311	80,610
September	43,624	2,160	260	1,454	86,530
Water year 1934-35	428,767	4,170	99	1,169	846,500

Klamath River at Somesbar, Calif.

Location.- Water-stage recorder, lat. 41°23', long. 123°29', in SW¼ sec. 3, T. 11 N., R. 6 E., 300 feet below mouth of Salmon River and 1 mile west of Somesbar post office. Altitude, about 450 feet.

Drainage area.- 8,430 square miles.

Records available.- October 1927 to September 1935.

Extremes.- Maximum discharge during year, 19,000 second-feet Apr. 16 (gage height, 12.48 feet); minimum, 920 second-feet Sept. 17.
1927-35: Maximum discharge, 60,300 second-feet Mar. 26, 1928 (gage height, 27.9 feet); minimum, 218 second-feet Aug. 28, 1931.
A stage of about 50.8 feet occurred on Feb. 21, 1927 (discharge not computed).

Remarks.- Records good except those for Oct. 3-5, 12-17, which are fair, and were estimated on basis of records for station at Copco. Storage, large diversions for irrigation, and considerable regulation by power plants 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	1,300	6,720	7,580	5,380	6,480	7,580	9,440	13,900	7,140	2,380	2,170	1,920
2	2,040	5,560	6,920	5,020	8,960	7,580	9,200	12,800	6,920	2,320	2,540	1,690
3	2,650	9,920	6,130	4,680	8,960	7,140	10,600	12,300	6,720	2,660	2,600	1,130
4	2,480	9,200	5,940	5,750	9,200	6,920	11,600	12,100	7,360	2,600	1,940	1,590
5	2,050	8,020	5,560	6,320	10,400	6,920	11,600	12,300	8,240	2,380	1,360	2,270
6	2,100	5,380	4,850	5,560	11,400	6,920	10,600	13,000	8,240	1,970	1,470	2,320
7	1,580	4,180	4,680	8,960	11,600	8,020	12,600	13,500	8,020	2,490	2,540	2,270
8	970	3,500	4,180	9,680	11,600	8,020	16,700	13,000	7,140	1,970	2,380	2,170
9	1,050	3,150	3,870	8,720	11,100	7,580	15,100	13,300	6,130	1,920	2,440	1,520
10	1,780	2,750	3,290	7,580	9,920	6,920	13,300	13,000	5,200	2,440	2,270	1,280
11	2,260	2,440	3,430	6,720	8,960	5,750	12,600	12,100	5,380	2,440	1,730	2,490
12	2,490	2,150	3,870	6,520	9,200	6,130	12,300	10,600	5,750	2,490	1,280	2,270
13	2,390	2,150	4,340	6,130	9,680	6,520	12,600	9,680	5,380	2,720	1,340	2,270
14	1,660	3,500	5,200	5,750	8,960	6,920	13,500	10,200	4,850	2,270	2,490	2,440
15	1,040	7,580	4,850	5,560	8,240	7,140	15,900	10,900	4,680	1,780	2,600	2,270
16	1,480	5,750	4,510	6,320	8,020	6,920	16,900	10,600	4,120	1,970	2,100	1,520
17	2,310	5,200	4,510	6,720	8,920	6,920	15,100	10,200	3,750	2,270	1,740	1,400
18	2,320	5,380	4,340	6,320	6,520	5,750	14,300	9,680	3,820	2,270	1,440	2,270
19	2,380	9,200	5,200	5,750	7,140	5,940	15,100	8,960	4,680	2,270	1,240	2,380
20	2,560	7,580	6,520	5,200	8,240	6,720	15,900	8,960	4,050	2,280	1,410	2,380
21	4,340	6,520	7,800	4,510	8,960	6,720	15,100	10,600	3,900	2,020	2,220	2,320
22	3,640	7,800	8,020	4,680	8,960	6,520	14,300	11,400	3,820	1,600	2,270	2,120
23	2,620	8,720	6,520	5,750	8,480	7,140	13,500	11,600	3,280	1,740	2,220	1,440
24	5,560	7,800	6,130	5,750	7,580	6,520	12,800	11,400	2,780	2,320	2,270	1,720
25	3,360	10,200	5,940	6,130	6,720	6,520	12,600	10,900	2,840	2,440	1,710	2,270
26	2,150	9,680	6,320	6,520	6,720	6,720	13,000	9,920	3,210	2,120	1,920	2,320
27	2,500	8,960	6,520	6,920	7,140	8,480	14,600	9,200	3,210	2,120	1,380	2,440
28	2,320	8,480	6,520	7,140	7,580	8,480	15,100	8,960	3,210	1,820	2,020	2,490
29	1,780	8,960	6,520	7,800	-	9,440	17,200	8,720	2,960	1,480	2,120	2,120
30	2,260	8,020	6,520	8,240	-	10,600	15,600	8,240	2,780	1,520	1,920	1,400
31	5,940	-	6,130	8,720	-	10,900	-	7,140	-	2,170	1,870	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	75,360	5,940	970	2,431	149,500
November	194,450	10,200	2,150	6,482	385,700
December	172,710	8,020	3,290	8,571	342,600
Calendar year 1934	1,557,748	19,300	577	4,268	3,091,000
January	200,800	9,680	4,510	6,477	398,300
February	245,640	11,600	6,520	8,773	487,200
March	228,350	10,900	5,750	7,366	452,900
April	409,140	17,200	9,200	13,640	811,500
May	339,160	13,900	7,140	10,940	672,700
June	149,560	8,240	2,780	4,985	296,600
July	67,180	2,720	1,480	2,167	133,200
August	61,000	2,600	1,240	1,968	121,000
September	60,490	2,490	1,130	2,016	120,000
Water year 1934-35	2,203,840	17,200	970	6,038	4,371,000

Sprague River near Chiloquin, Oreg.

Location.- Water-stage recorder, lat. 42°35', long. 121°51', in NE¼ sec. 35, T. 34 S., R. 7 E., 1½ miles east of Chiloquin and 4 miles by river above Modoc Point Canal intake.

Drainage area.- 1,580 square miles.

Records available.- August 1931 to September 1935. Comparable record except for extremely low stages at station at McCready ranch, 12 miles upstream, July 1920 to September 1931.

Average discharge.- 14 years (1921-35), 392 second-feet.

Extremes.- Maximum discharge during year, 1,700 second-feet Apr. 20 (gage height, 3.76 feet); minimum, 109 second-feet Sept. 2, 3 (gage height, 1.27 feet).
1920-35: Maximum discharge, 3,920 second-feet Mar. 29, 1928; minimum daily discharge (estimated), 50 second-feet May 26, 27, 1926.
Maximum discharge known, 4,490 second-feet at Chiloquin, Apr. 27, 1917.

Remarks.- Records good except those for periods of ice effect Dec. 2-12, 31, Jan. 1-6, 9, 10, 16-27, which are fair and which were estimated by comparison with discharge of Williamson River. Diversions for irrigation above station; regulation by ponding at irrigation dams. Water-stage recorder inspected by employee of The California Oregon Power Co.

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 Dec. 3						Table for Dec. 4 to Sept. 30					
1.2	90	1.7	246	2.4	640	1.2	92	1.7	254	2.4	655	3.2	1,260
1.4	137	2.0	395	2.8	900	1.4	144	2.0	410	2.8	940	3.6	1,580

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	180	226	234	205	242	339	603	1,020	668	181	202	174
2	176	238	225	200	242	344	622	1,020	668	170	202	116
3	176	238	205	215	246	382	668	1,060	674	164	199	111
4	173	238	200	260	246	440	734	1,140	688	160	199	124
5	173	234	200	255	250	494	805	1,180	651	160	199	136
6	173	230	195	270	259	506	880	1,220	655	160	199	144
7	176	230	195	264	268	476	1,000	1,100	622	157	206	151
8	178	230	190	268	288	399	1,220	1,020	564	157	202	151
9	176	226	185	265	339	350	1,380	1,060	548	157	202	144
10	176	226	195	265	360	318	1,540	1,140	512	160	199	144
11	173	234	205	259	377	302	1,620	1,140	458	160	199	147
12	173	230	215	236	388	297	1,660	1,140	259	164	199	151
13	176	222	225	225	388	297	1,660	1,180	242	167	199	151
14	180	222	225	225	360	318	1,540	1,180	242	170	199	157
15	188	226	225	213	382	382	1,420	1,180	254	184	206	167
16	199	226	234	220	339	458	1,340	1,180	229	188	188	238
17	206	242	242	200	278	506	1,420	1,140	238	202	177	259
18	202	250	234	170	259	524	1,500	1,100	254	199	170	225
19	199	242	238	170	259	512	1,620	1,060	458	195	147	199
20	202	246	242	185	264	488	1,700	1,020	416	181	144	168
21	214	250	246	205	264	452	1,660	980	344	177	151	164
22	210	250	254	230	273	404	1,580	842	292	174	160	181
23	210	242	273	245	288	388	1,460	812	278	174	160	164
24	210	238	283	265	318	355	1,340	812	264	174	160	147
25	210	234	297	280	377	339	1,300	776	250	184	160	157
26	210	234	302	275	410	366	1,300	734	250	273	164	170
27	210	234	292	270	394	422	1,300	700	246	339	164	174
28	214	234	278	259	355	494	1,220	694	254	283	160	174
29	218	234	259	246	-	524	1,180	688	206	217	202	177
30	214	234	242	242	-	542	1,100	681	188	209	259	177
31	218	-	225	242	-	572	-	674	-	209	259	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,991	218	173	193	11,880
November	7,040	250	222	235	13,960
December	7,260	302	185	234	14,400
Calendar year 1934	87,679	724	103	240	173,900
January	7,331	280	170	236	14,540
February	8,715	410	242	311	17,280
March	12,990	672	297	419	25,770
April	38,372	1,700	603	1,279	76,110
May	30,673	1,220	674	989	60,840
June	11,902	688	188	397	23,610
July	5,849	339	157	189	11,600
August	5,856	259	144	188	11,580
September	4,982	259	111	166	9,880
Water year 1934-35	146,959	1,700	111	403	291,400

Wood River at Fort Klamath, Oreg.

Location.- Staff gage, lat. 42° 42', long. 121°59', in sec. 22, T. 33 S., R. 7½ E., at highway bridge a quarter of a mile east of Fort Klamath. Zero of gage is 4,166.65 feet above mean sea level by general adjustment of 1929.

Records available.- August 1911 to September 1935 (incomplete prior to 1922).

Average discharge.- 17 years (1913-16, 1918-19, 1922-35), 215 second-feet.

Extremes.- Maximum discharge during year, 306 second-feet Apr. 13, 14 (maximum gage height, 2.10 feet Apr. 14); minimum, 138 second-feet Aug. 25 (gage height, 0.98 foot). 1911-35: Maximum discharge (estimated), 600 second-feet Nov. 23-25, 1921 (gage height, 4.0 feet); minimum, 84 second-feet in July, August, September 1931.

Remarks.- Records good. Considerable diversion for irrigation above station.

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

0.6	94	1.0	140	1.4	195	2.0	290
.7	105	1.1	153	1.5	210	2.2	323
.8	116	1.2	166	1.6	226		
.9	128	1.3	180	1.8	258		

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	153	188	173	173	180	166	188	180	148	160	153	160
2	153	180	173	160	180	166	195	180	153	153	153	160
3	160	210	166	160	180	166	226	180	153	160	160	166
4	160	226	180	166	168	166	226	180	166	160	153	160
5	153	195	173	166	180	160	218	188	173	148	153	160
6	160	188	166	166	180	173	218	195	166	146	153	166
7	160	188	166	173	180	180	234	188	173	160	153	166
8	166	188	166	166	173	180	218	188	180	153	153	166
9	160	188	166	166	180	180	226	195	180	160	153	160
10	160	180	166	166	188	180	242	195	173	160	140	166
11	160	180	166	166	180	180	258	160	173	160	141	160
12	160	180	173	166	180	166	282	166	180	144	140	166
13	160	180	180	166	180	173	306	160	195	148	143	166
14	160	188	180	166	166	166	306	160	188	148	143	173
15	160	195	173	173	166	166	282	153	195	150	145	173
16	160	188	180	166	180	173	242	153	173	150	145	180
17	160	218	173	166	173	166	210	153	160	150	143	173
18	160	202	173	160	173	173	202	153	153	143	143	180
19	160	195	195	153	180	180	195	173	160	148	140	180
20	173	188	258	153	173	180	195	153	160	143	143	180
21	195	180	258	160	166	188	195	166	145	145	143	180
22	180	188	210	166	173	173	195	180	148	149	145	180
23	195	173	188	166	173	188	180	188	145	148	143	188
24	188	173	188	166	166	173	180	180	140	150	141	195
25	173	226	180	173	173	180	180	180	140	166	138	195
26	166	173	180	173	166	173	188	180	160	166	153	195
27	166	173	180	180	180	180	180	160	153	160	160	195
28	166	173	188	173	173	173	188	153	160	180	160	195
29	166	173	160	173	-	180	210	160	166	173	160	188
30	166	173	166	180	-	195	188	173	166	166	160	195
31	180	-	180	180	-	195	-	160	-	153	160	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,139	195	153	166	10,190
November	5,650	226	173	188	11,210
December	5,624	258	160	181	11,160
Calendar year 1934	62,754	323	98	172	124,500
January	5,187	180	153	167	10,290
February	4,930	188	166	176	9,780
March	5,488	195	166	176	10,830
April	6,553	306	180	218	13,000
May	5,323	195	150	172	10,560
June	4,925	195	140	164	9,770
July	4,800	180	143	155	9,520
August	4,613	160	138	149	9,150
September	5,267	195	160	176	10,450
Water year 1934-35	63,469	306	138	174	125,900

Fourmile Lake Reservoir near Odessa, Oreg.

Location.- Staff gage, lat. 42°27', long. 122°14', in NW¼ sec. 9, T. 36 S., R. 5 E., at dam at outlet of Fourmile Lake, 15 miles northwest of Odessa. Gage readings are elevations above mean sea level, irrigation company datum.

Records available.- June 1923 to September 1930, June 1932 to September 1935.

Extremes.- Maximum recorded contents during year, 9,550 acre-feet June 13, 14 (elevation, 5,995.4 feet); minimum (estimated), 967 acre-feet Oct. 1.
1923-30, 1932-35: Maximum contents, 15,170 acre-feet July 10, 1933 (elevation, 6,002.0 feet); no storage at times.

Remarks.- Records fair. Water turned out of reservoir is diverted 300 feet below dam into Cascade Canal, which conveys it over divide into drainage basin of Fish Lake in Rogue River Basin.

Monthly stage and contents, water year 1934-35

Date	Elevation in feet	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	-	*967	-
Dec. 31	-	*3,280	-
Mar. 31	5,988.0	4,575	-
Apr. 30	-	*5,620	+1,045
May 31	-	*8,190	+2,570
June 30	5,993.30	8,036	-154
July 31	-	*5,010	-3,026
Aug. 31	-	*4,600	-410
Sept. 30	-	*4,680	+80
The water year			+3,713

*Estimated.

73530 O—36——22

Cascade Canal near Fish Lake, Oreg.

Location.- Water-stage recorder, lat. 42°24', long. 122°16', in SE¼ sec. 30, T. 36 S., R. 5 E., at divide between Rogue River and Klamath River Basins, 3 miles above Fish Lake.

Records available.- Irrigation seasons June 1924 to September 1935.

Extremes.- Maximum discharge during year, 50 second-feet July 21 (gage height, 2.00 feet); no flow at times.
1924-35: Maximum discharge, 60 second-feet June 5, 1934; no flow at times.

Remarks.- Records fair except those estimated June 2, 3, July 27, 28, 30, 31, which are poor. This canal diverts water from Fourmile Creek in Klamath River Basin and discharges into Fish Lake in Rogue River Basin. Gaging station is 10 miles below point of diversion. About 1½ miles above Fish Lake is a lava bed into which the entire flow sinks, reappearing in springs at head of Fish Lake.

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								-	6	44		
2								-	5	44		
3								-	4	43		
4								-	3	43		
5								-	3	42		
6								-	2	43		
7								-	1	43		
8								-	1	43		
9								-	1	42		
10								-	1	43		
11								-	1	42		
12								-	20	42		
13								-	32	42		
14								-	40	42		
15								-	41	42		
16								-	42	42		
17								-	40	40		
18								-	41	40		
19								-	42	40		
20								-	43	40		
21								-	43	42		
22								-	42	42		
23								-	42	40		
24								-	42	42		
25								-	42	40		
26								-	41	27		
27								-	40	3		
28								10	42	2		
29								10	43	2		
30								8	44	2		
31								6	-	1		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June	790	44	1	26.3	1,570
July	1,085	44	1	35.0	2,150
August	0	0	0	0	0
September	0	0	0	0	0
The period					3,720

Note.- No record October to May 27, probably some unrecorded flow during April and May from melting snow. No flow during August and September.

"A" Canal at Klamath Falls, Oreg.

Location.- Water-stage recorder, lat. 42°14', long. 121°48', in NE¼ sec. 30, T. 38 S., R. 9 E., 300 feet below head gates of canal and 1 mile northwest of Klamath Falls.

Records available.- October 1912 to September 1935, in reports of U. S. Geological Survey; October 1910 to September 1912 in reports of State engineer.

Average discharge.- 25 years (1910-35), 158 second-feet.

Extremes.- Maximum daily discharge during year, 945 second-feet June 12 (gage height, 9.80 feet); no flow Oct. 1 to Apr. 30.
1911-35: Maximum discharge, 986 second-feet May 14, 1931; maximum stage, 10.72 feet June 27, 1925.

Remarks.- Records good. Discharge estimated May 1-9. "A" Canal diverts water from Upper Klamath Lake in NE¼ sec. 30, T. 38 S., R. 9 E., for irrigating lands east of Klamath River on both sides of Lost River. Most of return waters reach Lost River. Records furnished by U. S. Bureau of Reclamation.

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

1.3	11	3.5	162	6.0	404	8.5	741
1.5	23	4.0	203	6.5	464	9.0	816
2.0	53	4.5	248	7.0	528	9.5	896
2.5	88	5.0	298	7.5	596	10.0	979
3.0	122	5.5	349	8.0	666		

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								15	590	720	754	460
2								35	596	723	748	453
3								40	600	700	696	460
4								40	606	682	682	463
5								40	623	668	696	493
6								55	691	651	712	507
7								60	770	624	730	499
8								69	819	607	761	485
9								73	807	599	770	447
10								179	819	535	729	445
11								245	891	560	670	432
12								229	945	630	669	414
13								248	926	662	724	412
14								327	886	652	756	398
15								434	816	644	736	346
16								502	771	666	728	328
17								507	722	729	673	330
18								492	734	798	578	320
19								496	818	858	586	328
20								562	886	883	620	331
21								625	922	824	645	315
22								653	928	768	659	310
23								718	912	779	642	295
24								777	882	775	609	352
25								818	872	740	582	352
26								795	867	672	567	364
27								777	877	660	557	383
28								800	854	627	538	390
29								801	774	635	532	379
30								745	723	668	503	221
31								666	-	725	484	-

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	101,730	918	0	279	201,800
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	12,823	818	15	414	25,430
June	23,927	945	590	798	47,460
July	21,454	883	535	691	42,510
August	20,314	770	484	655	40,290
September	11,712	507	221	390	23,230
Water year 1934-35	90,210	945	0	247	178,900

Note.- No flow during months left blank.

Keno Canal at Klamath Falls, Oreg.

Location.- Staff gage, lat. 42°13', long. 121°48', in SW¼ sec. 32, T. 38 S., R. 9 E., 200 feet above penstock to west-side plant of The California Oregon Power Co. and a quarter of a mile above Link River bridge at Klamath Falls.

Records available.- October 1923 to September 1935.

Extremes.- Maximum mean daily discharge during year, 291 second-feet Apr. 10; no flow at times.
1923-35: Maximum mean daily discharge, that of Apr. 10, 1935.

Remarks.- Records fair. Discharge determined from record of electrical output of power plant 200 feet below gage combined with spill at wasteway above canal gage. Canal diverts water from Upper Klamath Lake at Link River storage dam in SE¼ sec. 30. Water used for developing power and returned to Link River in SW¼ sec. 32. Flow controlled by gates at head of canal. Gage-height and electrical records furnished by The California Oregon Power Co.

Combined discharge, in second-feet, of Keno Canal and wasteway, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	239			0	0	1	277	0	245	265	260	269
2	244			0	8	1	178	0	243	273	272	272
3	243			0	4	2	4	0	244	270	280	268
4	248			0	7	2	0	1	245	267	280	270
5	248			0	7	2	0	1	245	267	280	272
6	246			0	2	1	1	1	245	269	278	267
7	240			22	1	2	60	0	244	267	277	268
8	244			5	4	4	288	0	245	269	276	261
9	243			0	4	4	289	0	244	269	276	268
10	244			0	4	4	291	0	248	270	272	266
11	248			0	7	4	289	0	215	271	275	268
12	254			0	4	4	286	0	274	270	274	275
13	254			0	4	4	282	107	269	269	273	270
14	255			0	4	5	277	271	268	268	278	263
15	252			0	3	5	276	266	274	264	272	266
16	244			0	1	4	277	264	276	268	267	248
17	245			0	1	4	277	264	268	269	272	278
18	241			7	1	4	276	268	270	270	276	280
19	241			20	1	4	283	266	270	263	272	275
20	237			20	1	4	276	266	268	269	270	274
21	124			8	2	97	278	264	268	273	270	269
22	0			0	2	270	276	265	269	269	267	273
23	0			0	1	254	280	261	270	270	282	275
24	14			0	1	280	284	257	271	269	282	270
25	0			0	4	283	276	260	270	269	287	269
26	0			0	1	283	276	251	265	271	273	272
27	0			0	1	280	278	248	264	268	269	269
28	0			0	1	277	273	248	265	274	269	266
29	0			5	-	281	148	250	204	272	272	261
30	0			0	-	286	0	252	269	268	276	268
31	0			0	-	282	-	245	-	270	274	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,048	255	0	163	10,010
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	59,753	281	0	164	118,500
January	87	22	0	2.8	173
February	81	8	0	2.9	161
March	2,968	286	1	95.7	5,890
April	6,556	291	0	219	13,000
May	4,776	271	0	154	9,470
June	7,715	276	204	257	15,300
July	8,340	274	263	269	16,540
August	8,501	287	260	274	16,860
September	8,070	280	248	269	16,010
Water year 1934-35	52,142	291	0	143	103,400

Note.- No flow November, December.

Lost River Diversion Canal near Olene, Oreg.

Location.- Water-stage recorder, lat. 42°9', long. 121°42', in SW¼ sec. 30, T. 39 S., R. 10 E., 1¼ miles below intake of canal at Lost River Dam and 5 miles southwest of Olene. Station was moved downstream about 1 mile in 1931.

Records available.- May 1912 to September 1935.

Average discharge.- 22 years (1912-15, 1916-35), 100 second-feet.

Extremes.- Maximum discharge during year, 1,320 second-feet Apr. 11; no flow at times. 1912-35: Maximum discharge, that of Apr. 11, 1935.

Remarks.- Records fair. Discharge estimated from daily gate openings and head at intake. Canal diverts water from Lost River in SW¼ sec. 29, T. 39 S., R. 10 E., and discharges into Klamath River to assist in reclamation of bed of Tule Lake. At times direction of flow is reversed and water diverted from Klamath River into Lost River (see record for Diversion from Klamath River to Lost River near Olene, Oreg.). Records furnished by U. S. Bureau of Reclamation.

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	118	99	91	93	97	220	136	153				0
2	108	99	96	90	95	220	133	149				0
3	102	102	93	89	94	220	132	141				0
4	99	107	90	89	95	220	127	134				0
5	99	100	90	90	98	215	132	137				0
6	93	97	89	87	103	206	146	133				0
7	93	97	87	87	111	189	183	133				0
8	93	92	85	88	153	180	228	51				59
9	89	90	86	93	187	167	650	0				138
10	86	83	86	96	268	154	1,020	0				107
11	89	84	85	91	331	154	1,130	0				105
12	89	84	86	91	313	143	1,120	0				103
13	89	82	87	90	242	147	748	0				84
14	83	79	91	89	225	157	555	0				59
15	93	82	91	88	210	162	424	0				31
16	93	88	92	89	193	171	286	0				76
17	89	91	92	88	179	170	268	0				84
18	89	53	93	92	170	170	280	0				96
19	89	50	94	88	164	163	281	0				101
20	93	86	97	86	160	160	312	0				74
21	89	119	102	86	163	164	310	0				54
22	93	105	103	88	169	153	307	0				57
23	96	98	103	93	185	144	288	0				41
24	99	94	103	90	192	124	259	0				42
25	104	89	102	91	219	127	225	0				43
26	99	91	109	82	223	142	206	0				36
27	99	91	109	89	223	144	192	0				0
28	99	91	109	91	218	144	176	0				0
29	99	91	99	99	-	145	161	0				27
30	99	91	95	99	-	141	147	0				82
31	99	-	99	99	-	135	-	0				-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,951	118	83	95.2	5,850
November	2,710	119	50	90.3	5,380
December	2,939	109	85	94.8	5,830
Calendar year 1934	18,359	1,130	0	50.5	36,410
January	2,801	99	82	90.4	5,560
February	5,080	331	94	181	10,080
March	5,156	220	124	166	10,230
April	10,555	1,130	127	352	20,930
May	1,031	153	0	33.3	2,040
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	1,499	138	0	50.0	2,970
Water year 1934-35	34,720	1,130	0	95.1	68,870

Note.- No flow during months left blank.

Diversion from Klamath River to Lost River near Olene, Oreg.

Location.- Staff gages and orifice at diversion from Klamath River 3½ miles south of Klamath Falls; water-stage recorder, lat. 42°9', long. 121°42', near wasteway in SW¼ sec. 30, T. 39 S., R. 10 E., 5 miles southwest of Olene, Oreg.

Records available.- April 1931, when diversion began, to September 1935.

Extremes.- Maximum mean daily discharge during year, 460 second-feet May 28; no flow at times.
1931-35: Maximum mean daily discharge, 564 second-feet Apr. 13, 1933.

Remarks.- Records fair. Discharge determined from gate openings and gage readings at intake from Klamath River. This canal was built to divert water from Lost River to Klamath River to assist in reclamation of the bed of Tule Lake (see record for Lost River Diversion Canal near Olene, Oreg.) Beginning in April 1931 water was diverted from Klamath River and released into drain which empties into Lost River, from which it was rediverted for irrigation of lands near Tule Lake. Records furnished by U. S. Bureau of Reclamation.

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	362	165	85	
2		0						0	362	162	59	
3		0						0	371	95	104	
4		0						0	416	0	104	
5		0						0	449	0	110	
6		0						0	434	0	150	
7		0						0	397	0	175	
8		0						0	397	10	165	
9		0						0	379	57	129	
10		0						0	362	22	110	
11		0						0	361	7	110	
12		0						0	361	104	110	
13		0						0	362	149	110	
14		0						0	322	152	110	
15		0						25	248	164	110	
16		0						27	213	166	60	
17		0						21	182	172	0	
18		38						65	164	215	0	
19		47						130	144	215	20	
20		0						165	135	215	58	
21		0						165	217	215	55	
22		0						224	236	220	57	
23		0						310	263	254	21	
24		0						308	253	205	0	
25		0						318	245	155	0	
26		0						404	280	159	0	
27		0						458	307	147	38	
28		0						460	300	146	50	
29		0						448	243	133	0	
30		0						355	182	110	0	
31		-						355	-	110	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	85	47	0	2.8	169
December	0	0	0	0	0
Calendar year 1934	23,687	386	0	64.9	46,970
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	4,238	460	0	137	8,410
June	8,927	449	135	298	17,710
July	3,924	254	0	127	7,780
August	2,100	175	0	67.7	4,170
September	0	0	0	0	0
Water year 1934-35	19,274	460	0	52.8	38,240

Note.- No flow during months left blank. The run-off for July includes 790 acre-feet waste from "O" Canal.

Fall Creek at Copco, Calif.

Location.- Staff gage, lat. 41°58', long. 122°22', in NE¼ sec. 36, T. 48 N., R. 5 W., at railway crossing 500 feet above mouth and 1 mile south of Fall Creek power plant and Copco post office.

Records available.- July 1928 to September 1935.

Extremes.- Maximum daily discharge during year (estimated), 50 second-feet Oct. 21; minimum, 27 second-feet Oct. 1, 2, 4-6.
1928-35: Maximum discharge, 105 second-feet Dec. 27, 1928; minimum, 27 second-feet Aug. 10, 1930, Oct. 1, 2, 4-6, 1934.

Remarks.- Records fair. No diversions or regulation above station. Gage-height record furnished by The California Oregon Power Co.

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

Table for Oct. 1 to 19

0.3	20
.4	26
.5	32
.6	38

Table for Oct. 24 to Sept. 30

0.3	24
.4	30
.5	36
.6	43
.7	50
.8	58

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	27	*36	*38	35	40	*35	*31	*33	29	*28	28	29
2	27	36	35	35	43	35	31	33	30	28	28	28
3	28	42	*36	*35	42	35	31	32	*30	28	*28	*28
4	27	35	*36	36	44	35	32	*32	29	28	*28	*29
5	27	34	*36	37	*44	35	31	32	29	29	28	29
6	*27	35	33	36	*44	35	32	30	29	29	28	29
7	*28	*35	35	*45	*44	*35	34	*30	*29	29	28	29
8	29	*34	*35	43	44	*35	42	31	*30	*29	29	29
9	29	34	*34	37	41	35	36	31	30	29	28	29
10	30	*34	34	37	39	35	35	30	29	29	28	29
11	30	35	34	*36	39	*34	*35	30	29	29	28	29
12	28	35	34	*36	37	34	35	30	28	29	28	29
13	*30	*35	36	35	37	34	*38	30	*28	29	28	29
14	31	*36	36	*35	*36	*34	42	*30	*29	28	28	29
15	29	*36	*36	35	*36	34	42	*31	29	*29	28	29
16	*30	36	35	*36	35	*34	33	31	29	30	28	29
17	30	*42	*34	36	36	*34	33	30	29	30	28	29
18	31	49	34	35	35	34	33	30	29	*30	28	29
19	30	43	35	35	35	35	33	30	29	29	28	30
20	*35	*40	*35	35	35	34	33	29	*29	29	28	31
21	*50	36	35	35	*35	*34	*32	*29	*29	29	28	30
22	*40	*38	*35	*37	*35	34	32	*29	29	29	29	30
23	*35	39	*35	39	*35	34	32	29	29	29	29	30
24	34	*40	35	41	35	34	32	29	29	*29	29	*30
25	*34	40	34	37	35	34	33	29	29	*29	29	30
26	34	39	*34	38	34	34	35	30	29	29	29	*30
27	*35	40	35	40	35	32	*32	29	29	*29	*29	*30
28	35	46	35	*40	*35	*32	30	*29	28	29	*29	30
29	34	42	*35	*40	-	*32	33	*30	*28	29	29	30
30	35	*40	35	*40	-	32	33	30	28	29	29	30
31	36	-	35	40	-	31	-	30	-	29	29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	985	50	27	31.8	1,950
November	1,142	49	34	38.1	2,270
December	1,086	38	34	35.0	2,150
Calendar year 1934	11,547	50	26	31.6	22,910
January	1,156	45	35	37.3	2,290
February	1,065	44	34	38.0	2,110
March	1,052	35	31	33.9	2,090
April	1,016	42	30	33.9	2,020
May	938	33	29	30.3	1,860
June	869	30	28	29.0	1,720
July	897	30	28	28.9	1,780
August	879	29	28	28.4	1,740
September	881	31	28	29.4	1,750
Water year 1934-35	11,966	50	27	32.8	23,730

*Estimated.

Hyatt Prairie Reservoir near Ashland, Oreg.

Location.- Staff gage, lat. 42°10', long. 122°28', in sec. 16, T. 39 S., R. 3 E., at dam of Talent Irrigation District 3 miles north of Ashland-Klamath Falls highway and 20 miles east of Ashland. Gage readings are elevation above mean sea level, irrigation district datum.

Records available.- December 1922 to September 1935.

Extremes.- Maximum contents observed during year, 8,400 acre-feet May 22, 28 (elevation, 5,006.0 feet); no storage at beginning of year.
1922-35: Maximum contents, 15,920 acre-feet May 15, 16, 1928 (elevation, 5,015.70 feet); no storage at times.

Remarks.- Records fair.

Monthly stage and contents, water year 1934-35

Date	Elevation in feet	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	-	-	0
Dec. 31	-	*1,640	+1,640
Jan. 31	4,995.0	2,375	+735
Feb. 28	4,996.6	3,053	+678
Mar. 31	-	*3,730	+677
Apr. 30	-	*5,940	+2,210
May 31	-	*8,330	+2,390
June 30	-	*6,600	-1,730
July 31	4,999.2	4,304	-2,296
Aug. 31	-	*1,980	-2,324
Sept. 30	-	*1,200	-780
Water year	-	-	+1,200

*Estimated.

Keene Creek Canal near Ashland, Oreg.

Location.- Water-stage recorder, lat. 42°9', long. 122°30', in NW¼ sec. 29, T. 39 S., R. 3 E., 400 feet above short tunnel through Cascade Divide, 2 miles north of Ashland-Klamath Falls highway, and 16 miles southeast of Ashland.

Records available.- Irrigation seasons, June 1923 to September 1935.

Extremes.- Maximum discharge during year, 46 second-feet July 29; maximum gage height, 3.15 feet July 22; no flow at times.
1923-35: Maximum discharge, 78 second-feet Aug. 18, 1928.

Remarks.- Records good except those estimated for October, May 1-19, Aug. 14, 15, and those for Sept. 18-30, which are fair. Water released from Hyatt Prairie Reservoir is diverted by canal from Keene Creek in SE¼ sec. 20, T. 39 S., R. 3 E., and discharged into Emigrant Creek for irrigation of lands near Talent. Probably no flow in canal October to March, contributed by run-off from basin above canal and below Hyatt Prairie Reservoir; possibly slight leakage through reservoir gates. Stored water released from reservoir May to September.

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	27	41	7
2	-								23	27	40	8
3	-								23	27	40	9
4	-								23	27	40	9
5	-								22	27	40	9
6	-								22	27	40	10
7	-								24	27	40	13
8	-								26	27	40	14
9	0.1								26	27	39	14
10	-							1	26	27	39	22
11	-								26	27	38	27
12	-								26	27	38	31
13	-								26	26	38	33
14	-								26	32	39	25
15	-								26	34	38	15
16	-								27	34	38	12
17	-								26	34	37	6
18	-								26	34	37	4
19	-								26	34	37	4
20	-							2	26	34	37	4
21	-							2	26	35	37	4
22	-							13	26	33	35	4
23	-							15	26	28	25	4
24	-							14	26	12	18	4
25	-							14	25	42	10	3
26	-							14	26	42	18	2
27	-							14	26	42	17	2
28	-							14	26	41	8	2
29	-							16	26	41	7	2
30	-							24	26	41	6	2
31	-							24	-	41	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3.1	-	-	0.1	6
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	2,482.1	40	0	6.80	4,930
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	185	24	0	6.0	367
June	759	27	22	25.3	1,510
July	986	42	12	31.8	1,960
August	970	41	6	31.3	1,920
September	304	33	2	10.1	603
Water year 1934-35	3,207.1	42	0	8.79	6,370

Shasta River near Yreka, Calif.

Location.- Water-stage recorder, lat. 41°49', long. 122°35', in NE¼ sec. 24, T. 46 N., R. 7 W., 0.6 mile above mouth and 6 miles north of Yreka. Altitude, about 2,000 feet.

Drainage area.- 804 square miles.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge during year, 331 second-feet Jan. 7 (gage height, 3.25 feet); minimum, 5.5 second-feet July 4.
1933-35: Maximum discharge, that of Jan. 7, 1935; minimum, that of July 4, 1935.

Remarks.- Records good. Storage and many irrigation diversions above station.

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

1.3	4.0	2.0	35	2.7	128
1.4	6.0	2.1	44	2.8	154
1.5	9.0	2.2	54	2.9	188
1.6	12.5	2.3	65	3.0	224
1.7	17	2.4	78	3.1	264
1.8	22	2.5	92	3.2	308
1.9	28	2.6	108	3.3	354

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	95	120	157	124	174	164	102	88	17	9.5	13	37
2	95	120	149	126	174	164	98	58	19	9.5	11	47
3	94	131	144	126	171	161	110	45	23	7	11	48
4	95	131	138	149	171	161	106	37	22	6	7	42
5	97	128	138	151	174	157	103	48	20	8.5	8	32
6	98	122	136	157	195	149	100	57	27	9.5	8	20
7	102	120	133	232	195	154	161	53	55	11	8.5	19
8	102	118	131	256	232	149	264	44	50	12	10	15
9	102	118	128	206	228	149	252	29	30	13	9.5	16
10	102	118	126	181	206	144	217	24	25	16	9.5	14
11	100	118	126	171	199	141	174	21	21	16	8.5	13
12	102	118	126	161	202	141	161	17	17	15	11	15
13	100	118	133	161	199	141	124	20	18	14	10	16
14	102	120	161	161	181	141	124	31	18	13	9.5	16
15	106	131	174	161	171	133	128	34	18	15	9	23
16	108	149	164	157	161	133	149	38	18	13	13	41
17	110	151	168	164	168	133	154	26	18	11	11	44
18	110	151	157	171	171	133	122	22	16	9.5	12	37
19	106	149	154	161	171	124	106	23	18	12	12	32
20	108	141	154	151	171	122	78	27	18	15	13	43
21	126	136	161	149	171	118	81	18	18	13	13	55
22	133	133	151	149	168	120	75	14	15	13	15	63
23	128	133	141	157	161	118	72	16	12	19	16	75
24	124	128	138	168	164	118	63	16	12	16	17	73
25	124	136	136	171	157	114	47	21	16	17	17	70
26	126	136	144	174	157	112	29	20	14	23	16	74
27	122	146	144	181	154	112	28	18	13	15	12	75
28	122	149	138	185	157	112	27	16	11	13	14	73
29	124	161	141	181	-	112	33	16	10	12	38	69
30	122	171	133	195	-	112	65	15	9.5	11	44	72
31	120	-	131	178	-	112	-	18	-	14	40	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,405	133	94	110	6,750
November	4,011	171	118	134	7,960
December	4,455	174	126	144	8,840
Calendar year 1934	28,767	174	6.5	78.8	57,090
January	5,215	256	124	168	10,340
February	5,003	232	154	179	9,920
March	4,154	164	112	134	8,240
April	3,353	264	27	112	6,650
May	930	88	14	30.0	1,840
June	598.5	55	9.5	20.0	1,190
July	401.5	23	6	13.0	796
August	446.5	44	7	14.4	886
September	1,269	75	13	42.3	2,520
Water year 1934-35	33,241.5	264	6	91.1	65,930

Salmon River at Somesbar, Calif.

Location.- Water-stage recorder, lat. 41°23', long. 123°28', in NW¼ sec. 2, T. 11 N., R. 6 E., 1½ miles above mouth and half a mile east of Somesbar post office. Altitude, about 500 feet.

Drainage area.- 737 square miles.

Records available.- September 1911 to September 1915, October 1927 to September 1935.

Extremes.- Maximum discharge during year, 5,880 second-feet Apr. 29 (gage height, 7.14 feet); minimum, 111 second-feet Oct. 2-5, 14-16.
1927-35: Maximum discharge, 21,200 second-feet Mar. 26, 1928 (gage height, 13.0 feet); minimum, 70 second-feet Aug. 25, Sept. 4, 5, 1931.

Remarks.- Records good except those estimated, Feb. 20-25, Feb. 27 to Mar. 7, Mar. 12, Aug. 27 to Sept. 2. No large diversions above station.

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

3.2	76	4.6	970	6.0	3,250
3.4	138	4.8	1,200	6.2	3,660
3.6	224	5.0	1,470	6.4	4,100
3.8	330	5.2	1,760	6.6	4,540
4.0	460	5.4	2,090	6.8	5,020
4.2	610	5.6	2,460	7.0	5,500
4.4	780	5.8	2,850	7.4	6,500

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	114	1,640	2,040	1,430	2,670	1,870	2,520	3,660	2,560	699	274	170
2	111	1,260	1,790	1,300	2,850	1,850	2,360	3,350	2,610	650	269	170
3	111	2,650	1,580	1,230	2,990	1,800	2,690	3,150	2,690	626	259	166
4	111	2,670	1,440	1,410	3,070	1,750	3,190	3,190	2,890	626	249	154
5	111	2,350	1,290	1,620	3,210	1,730	3,250	3,660	3,110	610	249	150
6	114	1,500	1,180	1,530	3,210	1,730	3,050	4,430	3,150	588	249	146
7	124	1,080	1,120	2,290	3,250	1,730	4,100	4,430	2,810	558	239	142
8	128	852	1,060	2,560	3,250	1,730	5,140	4,320	2,360	536	234	142
9	124	726	1,000	2,220	2,970	1,660	4,210	4,540	2,040	520	229	138
10	121	642	960	1,860	2,630	1,550	3,560	4,320	1,840	498	219	135
11	118	588	930	1,660	2,520	1,530	3,210	3,880	1,890	482	215	138
12	118	558	930	1,580	2,420	1,570	3,050	3,560	1,920	468	210	138
13	114	672	1,130	1,550	2,420	1,610	3,050	3,350	1,720	460	201	138
14	111	824	1,620	1,470	2,250	1,810	3,210	3,350	1,470	453	201	178
15	111	2,970	1,400	1,370	2,060	1,810	4,100	3,190	1,340	460	192	244
16	111	1,660	1,360	1,460	1,970	1,730	4,100	3,190	1,300	440	192	196
17	114	1,370	1,460	1,530	1,940	1,680	3,560	3,010	1,300	419	187	178
18	118	1,480	1,260	1,500	1,950	1,610	3,350	2,830	1,240	399	192	170
19	118	2,590	1,300	1,530	2,090	1,540	3,660	2,690	1,290	380	192	162
20	162	1,990	1,610	1,200	2,180	1,570	3,990	3,350	1,150	367	187	158
21	1,080	1,620	2,060	1,130	2,300	1,500	3,770	3,880	1,140	361	183	154
22	910	1,940	1,950	1,080	2,180	1,440	3,350	4,210	1,120	426	178	150
23	560	2,160	1,680	1,100	2,090	1,440	3,050	4,320	992	426	174	150
24	1,060	1,900	1,570	1,230	2,000	1,400	2,790	4,210	920	373	170	150
25	771	2,750	1,480	1,410	1,850	1,500	2,790	3,990	870	342	166	146
26	490	2,870	1,600	1,640	1,760	1,870	3,130	3,770	870	330	158	142
27	380	2,520	1,580	1,940	1,800	1,840	3,770	3,450	870	319	150	138
28	330	2,180	1,500	2,180	1,850	1,840	4,320	3,130	852	313	200	138
29	291	2,330	1,500	2,350	-	2,180	5,380	3,010	816	302	200	135
30	274	2,200	1,620	2,750	-	2,570	4,430	2,670	753	285	180	135
31	1,180	-	1,530	2,710	-	2,650	-	2,480	-	280	180	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,680	1,180	111	312	19,200
November	52,342	2,970	558	1,745	103,800
December	44,530	2,060	930	1,436	88,320
Calendar year 1934	357,710	8,500	93	980	710,400
January	51,620	2,750	1,080	1,665	102,400
February	67,710	3,250	1,760	2,418	134,300
March	54,090	2,650	1,400	1,745	107,300
April	106,130	5,380	2,360	3,538	210,500
May	110,770	4,540	2,480	3,573	219,700
June	49,883	3,150	753	1,663	98,940
July	13,995	699	280	451	27,760
August	6,378	274	150	206	12,650
September	4,651	244	135	155	9,230
Water year 1934-35	571,779	5,380	111	1,567	1,134,000

Trinity River at Lewiston, Calif.

Location.- Water-stage recorder, lat. 40°42', long. 122°48', in NE¼ sec. 19, T. 33 N., R. 8 W., at highway bridge at Lewiston, 0.8 mile below Deadwood Creek. Zero of gage is 1,794.72 feet above sea level.

Drainage area.- 724 square miles.

Records available.- August 1911 to September 1935.

Average discharge.- 24 years, 1,394 second-feet.

Extremes.- Maximum discharge during year, 8,970 second-feet Apr. 15, 29 (gage height, 9.73 feet); minimum, 79 second-feet Oct. 5.
1911-35: Maximum discharge, about 31,900 second-feet Nov. 30, 1926 (gage height, 18.3 feet); minimum, 23 second-feet July 30, 1924.

Remarks.- Records excellent. Diversions for irrigation, power, and placer mining above station.

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

1.6	47	3.0	465	4.8	1,780	7.6	5,110
1.8	71	3.2	580	5.2	2,140	8.0	5,740
2.0	105	3.4	700	5.6	2,540	8.4	6,430
2.2	152	3.6	840	6.0	2,970	8.8	7,170
2.4	212	3.8	980	6.4	3,450	9.2	7,980
2.6	285	4.0	1,120	6.8	3,970	9.8	9,180
2.8	365	4.4	1,440	7.2	4,520		

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	87	1,820	1,070	714	1,600	1,600	2,190	4,380	2,050	482	169	118
2	88	959	973	688	1,690	1,520	2,340	3,710	2,100	460	163	116
3	82	945	903	670	1,820	1,440	3,970	3,460	2,100	430	158	109
4	82	1,040	861	840	1,960	1,400	4,240	3,390	2,050	425	147	105
5	81	1,400	833	1,040	2,240	1,320	3,710	3,840	2,140	420	144	101
6	82	1,200	791	980	2,640	1,280	3,150	4,660	2,140	420	140	96
7	87	917	770	1,440	3,330	1,280	4,840	4,960	2,000	410	140	96
8	91	721	742	1,560	3,520	1,200	5,420	4,810	1,690	390	137	94
9	100	610	721	1,320	2,920	1,120	3,840	5,110	1,480	365	132	94
10	101	532	707	1,200	2,440	1,070	3,210	5,110	1,360	349	125	91
11	100	465	707	1,120	2,100	1,050	2,920	4,520	1,320	337	120	89
12	94	425	707	1,060	1,960	1,050	2,800	3,840	1,320	321	116	91
13	92	405	854	1,040	1,820	1,120	2,860	3,520	1,200	305	113	91
14	91	791	1,200	994	1,640	1,320	3,520	3,450	1,100	301	107	100
15	89	5,700	1,100	910	1,480	1,360	7,170	3,390	1,000	301	105	137
16	87	2,490	1,060	896	1,400	1,320	6,610	3,390	945	289	101	152
17	92	2,000	1,080	847	1,320	1,280	4,810	3,090	931	277	100	142
18	98	2,000	966	819	1,280	1,240	4,240	2,800	896	251	100	132
19	101	2,240	910	763	1,320	1,200	4,520	2,750	896	240	100	125
20	105	1,690	1,030	694	1,400	1,160	5,110	3,150	812	230	101	118
21	733	1,400	1,160	688	1,480	1,120	4,960	3,520	805	219	100	112
22	694	1,400	1,120	670	1,440	1,090	4,100	3,840	770	222	100	112
23	380	1,740	1,020	658	1,400	1,110	3,450	3,970	714	247	98	107
24	313	1,600	952	670	1,360	1,080	3,090	3,710	658	244	96	103
25	289	1,400	896	721	1,240	1,110	3,090	3,390	616	230	94	101
26	247	1,400	868	833	1,160	1,280	3,390	3,330	610	216	94	100
27	216	1,280	847	987	1,280	1,280	3,970	2,970	598	206	101	98
28	196	1,160	812	1,120	1,440	1,320	4,520	2,640	580	202	112	92
29	186	1,200	798	1,200	-	1,560	7,360	2,540	550	196	130	91
30	186	1,160	805	1,360	-	1,960	5,740	2,290	514	185	130	89
31	1,390	-	784	1,560	-	2,190	-	2,050	-	174	120	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,654	1,390	81	215	13,200
November	42,090	5,700	405	1,403	83,480
December	28,047	1,200	707	905	55,630
Calendar year 1934	396,338	11,300	63	1,091	789,600
January	30,062	1,560	658	970	59,630
February	50,680	3,520	1,160	1,810	100,500
March	40,410	2,190	1,050	1,304	80,150
April	125,140	7,360	2,190	4,171	248,200
May	111,570	5,110	2,050	3,599	221,300
June	35,945	2,140	514	1,198	71,300
July	9,332	482	174	301	18,510
August	3,692	169	94	119	7,320
September	3,202	182	89	107	6,350
Water year 1934-35	486,824	7,360	81	1,334	965,600

Trinity River near Burnt Ranch, Calif.

Location.- Water-stage recorder, lat. 40°47', long. 123°25', in sec. 29 (revised), T. 5 N., R. 7 E., 2 miles above highway bridge at Cedar Flat and 7 miles above Burnt Ranch. Altitude, about 950 feet.

Drainage area.- 1,400 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 15,200 second-feet Apr. 8 (gage height, 13.15 feet); minimum, 134 second-feet Oct. 4.
1931-35: Maximum discharge, 18,500 second-feet Mar. 28, 1934 (gage height, 14.42 feet); minimum, 89 second-feet Oct. 5, 1931.

Remarks.- Records excellent except those for Dec. 2 to Jan. 3, Jan. 8 to Feb. 5, May 30 to June 13, which are fair and were estimated on basis of records for stations at Lewiston and Hoopa. Slight regulation and small diversions for mining and irrigation above station.

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

1.9	95	3.2	312	5.2	1,370	8.5	5,130
2.0	105	3.4	374	5.6	1,700	9.0	5,950
2.2	128	3.6	444	6.0	2,070	10.0	7,830
2.4	155	3.8	522	6.5	2,580	11.0	9,900
2.6	186	4.0	610	7.0	3,140	12.0	12,240
2.8	221	4.4	820	7.5	3,740	13.0	14,720
3.0	262	4.8	1,070	8.0	4,400	14.0	17,400

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	144	3,260	2,170	1,900	3,300	2,960	3,870	7,040	3,250	874	304	203
2	140	2,020	2,000	1,800	3,400	2,960	3,870	5,960	3,200	820	294	193
3	137	2,120	1,850	1,700	3,600	2,860	5,290	5,450	3,300	782	281	188
4	136	2,220	1,700	1,700	3,900	2,800	7,430	5,290	3,300	770	269	183
5	137	2,420	1,600	2,470	4,200	2,580	8,660	5,610	3,300	765	267	173
6	141	2,170	1,500	2,270	4,400	2,520	6,780	6,860	3,350	732	264	167
7	155	1,700	1,400	2,740	5,130	2,640	7,830	7,230	3,200	710	258	162
8	155	1,350	1,300	4,000	5,780	2,470	12,700	7,040	2,900	685	254	160
9	156	1,070	1,250	3,400	5,130	2,320	8,430	7,040	2,400	665	249	156
10	160	940	1,200	3,200	4,260	2,170	6,660	7,250	2,200	635	241	155
11	164	852	1,150	2,900	3,740	2,070	5,610	6,660	2,100	620	233	154
12	160	786	1,100	2,700	3,620	2,070	5,290	5,780	2,000	601	223	152
13	156	705	1,300	2,700	3,380	2,170	5,130	5,130	1,900	592	212	154
14	152	798	1,700	2,600	3,140	2,420	5,450	4,980	1,790	565	208	172
15	151	6,280	1,800	2,400	2,860	2,640	9,680	4,850	1,660	574	200	212
16	147	4,510	1,800	2,400	2,580	2,520	11,800	4,680	1,530	574	196	221
17	148	3,140	1,800	2,300	2,470	2,470	8,430	4,540	1,530	556	193	245
18	155	3,140	1,900	2,150	2,420	2,370	7,250	4,130	1,490	522	188	255
19	160	4,400	1,800	2,000	2,420	2,270	7,250	4,000	1,530	492	189	221
20	178	3,380	1,900	1,900	2,320	2,220	8,030	4,280	1,450	455	186	210
21	600	2,640	2,000	1,800	2,690	2,170	7,830	4,830	1,410	430	186	201
22	1,410	2,640	2,100	1,700	2,840	2,070	6,660	5,290	1,410	435	183	196
23	910	3,020	2,000	1,600	2,580	2,120	5,780	5,610	1,290	444	180	189
24	792	3,020	1,950	1,700	2,420	2,020	5,130	5,450	1,210	444	178	184
25	665	3,380	1,900	1,900	2,270	1,970	4,830	4,980	1,140	426	187	181
26	548	2,960	1,800	2,100	2,120	2,320	5,130	4,830	1,100	398	184	175
27	455	2,690	1,900	2,300	2,270	2,470	5,780	4,400	1,070	381	176	173
28	401	2,420	1,800	2,600	2,690	2,470	6,480	4,000	1,070	361	188	170
29	364	2,320	1,800	2,900	-	2,740	9,900	3,740	1,000	348	217	166
30	352	2,370	2,000	3,400	-	3,380	9,900	3,600	970	336	217	162
31	1,040	-	2,000	3,300	-	3,870	-	3,400	-	312	214	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,569	1,410	136	341	20,980
November	74,660	6,280	705	2,489	148,100
December	53,470	2,170	1,100	1,725	106,100
Calendar year 1934	627,487	15,000	101	1,719	1,246,000
January	74,530	4,000	1,800	2,404	147,800
February	91,930	5,780	2,120	3,283	182,300
March	77,100	3,870	1,970	2,487	152,900
April	209,890	12,700	3,870	6,994	416,200
May	163,660	7,230	3,400	5,279	324,600
June	58,950	3,350	970	1,985	116,900
July	17,992	874	312	588	34,300
August	8,779	304	164	219	13,480
September	5,311	245	152	184	10,950
Water year 1934-35	844,271	12,700	136	2,313	1,675,000

Trinity River near Hoopa, Calif.

Location.- Water-stage recorder, lat. 41°2', long. 123°39', in SE¼ sec. 31, T. 8 N., R. 5 E., on Hoopa Indian Reservation, half a mile below Campbell Creek and 2 miles southeast of Hoopa. Altitude, about 315 feet.

Drainage area.- 2,820 square miles.

Records available.- October 1931 to September 1934; staff gage at Hoopa, October 1911 to January 1914 and November 1916 to August 1918.

Extremes.- Maximum discharge during year, 30,200 second-feet Apr. 8 (gage height, 16.80 feet); minimum, 250 second-feet Oct. 6.
1911-14, 1916-18, 1931-35: Maximum discharge, 89,000 second-feet Dec. 31, 1913 (gage height, 28.1 feet, former site and datum); minimum, 162 second-feet Oct. 4, 1931.

Remarks.- Records excellent. Small diversions for mining and 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	*260	4,610	5,480	4,290	9,660	8,360	9,400	12,400	4,770	1,540	579	383
2	*255	3,950	4,870	4,030	9,660	8,120	8,880	10,800	4,670	1,460	558	359
3	254	4,570	4,290	3,710	9,920	7,640	10,800	9,660	4,770	1,400	538	342
4	254	5,170	3,950	4,290	10,200	7,400	15,200	9,140	4,670	1,320	518	331
5	252	4,480	3,640	6,920	10,500	6,920	15,000	9,140	4,670	1,320	499	320
6	260	3,790	3,340	6,680	11,000	6,680	13,000	10,200	4,770	1,290	499	306
7	300	2,950	3,140	7,880	11,300	7,640	17,000	11,000	4,670	1,260	499	298
8	310	2,320	2,950	11,000	12,200	7,160	27,800	10,800	4,200	1,230	480	294
9	305	1,880	2,770	9,400	11,000	6,680	20,900	10,800	3,800	1,200	473	291
10	303	1,580	2,650	8,120	9,400	6,220	16,700	10,800	3,430	1,140	456	287
11	300	1,410	2,540	7,160	8,620	5,790	13,800	10,200	3,290	1,110	442	285
12	293	1,320	2,480	6,680	8,120	5,790	12,200	9,140	3,220	1,080	422	285
13	286	1,260	2,600	6,680	8,120	5,790	11,900	8,360	3,160	1,060	406	285
14	277	1,350	3,200	6,450	7,640	6,220	11,900	7,880	2,920	1,030	386	347
15	268	6,680	3,480	6,000	6,920	6,680	16,100	7,640	2,740	1,000	374	435
16	264	7,880	3,410	6,000	6,450	6,680	19,700	7,400	2,580	1,000	365	448
17	264	5,170	3,950	6,220	6,220	6,220	16,100	7,400	2,530	972	359	435
18	264	5,370	3,790	6,220	6,000	6,220	13,800	6,680	2,480	918	356	438
19	271	10,500	3,640	5,580	6,000	5,790	13,300	6,450	2,430	865	356	415
20	320	6,880	3,640	4,970	6,450	5,790	13,800	6,680	2,330	815	350	398
21	750	6,450	3,950	4,480	6,920	5,790	13,600	7,160	2,230	790	347	380
22	2,070	6,220	4,200	4,290	6,680	5,480	12,400	7,640	2,180	790	342	365
23	1,780	7,400	3,950	4,200	6,450	5,580	11,000	8,120	2,140	840	334	353
24	1,580	8,120	3,790	4,290	6,000	5,370	9,920	7,880	2,000	815	331	345
25	1,320	7,640	3,640	4,770	5,580	5,370	9,400	7,160	1,860	790	326	334
26	1,020	7,880	3,710	5,480	5,270	6,680	9,660	7,160	1,780	740	316	328
27	828	7,160	3,950	6,680	5,580	7,160	10,200	6,680	1,780	715	318	323
28	728	6,220	3,790	7,400	7,400	6,920	11,300	6,000	1,740	668	342	316
29	638	5,790	3,570	8,120	-	7,640	14,700	5,580	1,700	645	368	303
30	616	5,580	4,570	9,400	-	8,880	15,800	5,370	1,660	622	409	298
31	1,260	-	4,570	9,920	-	9,660	-	4,070	-	600	393	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	18,150	2,070	252	585	36,000
November	153,580	10,500	1,260	5,119	304,600
December	113,800	5,480	2,480	3,671	225,700
Calendar year 1934	1,125,992	19,400	188	3,085	2,233,000
January	197,310	11,000	3,710	6,365	391,400
February	225,260	12,200	5,270	8,045	446,800
March	208,320	9,660	5,370	6,720	413,200
April	415,260	27,800	8,880	13,840	823,700
May	256,290	12,400	4,070	8,267	508,300
June	91,170	4,770	1,660	3,039	180,800
July	31,025	1,540	600	1,001	61,540
August	12,741	579	316	411	25,270
September	10,325	448	285	344	20,480
Water year 1934-35	1,733,231	27,800	252	4,749	3,438,000

*Estimated.

Smith River near Crescent City, Calif.

Location.- Water-stage recorder, lat. 41°47', long. 124°4', in SW¼ sec. 10, T. 16 N., R. 1 E., half a mile below South Fork and 9 miles east of Crescent City.

Drainage area.- 613 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 33,900 second-feet (from partial graph) probably Nov. 1 (gage height, 20.4 feet); minimum, 206 second-feet in October (exact date not known).
1931-35: Maximum discharge, 61,700 second-feet Mar. 18, 1932 (gage height, 26.45 feet); minimum, 168 second-feet Oct. 21, 1931.

Remarks.- Records excellent except those for Oct. 6 to Nov. 16, Feb. 8 to Apr. 22, Apr. 29 to June 8, which are fair and were estimated on basis of records for nearby stations. No diversions or regulation.

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

3.4	168	4.8	570	7.5	2,180	13	10,720
3.6	208	5.0	650	8.0	2,650	15	15,600
3.8	252	5.4	815	8.5	3,180	17	21,500
4.0	305	5.8	1,010	9.0	3,750	19	28,300
4.2	365	6.2	1,220	10.0	5,050	21	36,300
4.4	425	6.6	1,470	11	6,680	23	45,000
4.6	495	7.0	1,760	12	8,600	25	55,000

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	217		7,220	7,220	6,340					590	344	243
2	228		5,670	5,670	6,680					550	332	237
3	234		4,630	4,770	6,170					550	326	234
4	232		3,990	7,030	5,830					530	320	232
5	226		3,510	8,600	5,670				1,200	512	317	230
6			3,070	6,860	5,350					512	317	226
7			2,750	19,900	5,050					496	314	226
8		5,200	2,550	14,300	4,910					512	311	226
9			2,320	9,840	4,370				960	496	302	223
10			2,140	7,220	3,870				935	478	294	223
11			2,000	6,000			6,600		910	478	285	226
12			1,920	5,670					885	456	280	228
13			2,040	6,680					885	442	274	228
14			2,180	6,170					860	432	272	283
15			2,000	5,830					815	425	262	416
16			2,220	6,860					792	410	260	299
17	2,460	3,510	3,070	7,600					792	392	257	260
18		5,770	2,600	6,680					760	386	264	250
19		15,900	6,490	5,050	5,400				730	383	264	243
20		11,400	9,840	4,110					710	389	260	237
21		8,400	10,500	3,750					690	392	254	234
22		9,400	9,840	3,510					670	425	250	234
23		12,300	10,500	4,770			4,910		650	453	248	234
24		9,620	10,300	6,510			4,240		630	416	248	230
25		19,000	8,200	7,040			3,990		610	392	241	226
26		11,800	10,900	6,860			4,240		610	377	237	226
27		9,620	10,900	6,860			4,500		590	368	239	223
28		7,800	9,000	6,680			4,500		610	365	245	221
29		7,040	11,800	6,860			4,800		650	359	243	215
30		7,220	14,300	8,400	-		5,000		630	350	241	212
31		-	10,100	6,860	-		-		-	347	245	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	65,097	-	-	2,100	129,100
November	221,980	-	-	7,399	440,300
December	188,550	14,300	1,920	6,082	374,000
Calendar year 1934	1,026,576	23,900	186	2,813	2,035,000
January	220,160	19,900	3,510	7,102	436,700
February	151,440	-	-	5,409	300,400
March	195,300	-	-	6,300	387,400
April	181,380	-	-	6,046	359,800
May	108,500	-	-	3,500	215,200
June	25,964	-	590	865	51,500
July	13,661	590	347	441	27,100
August	8,546	344	237	275	16,950
September	7,225	416	212	241	14,330
Water year 1934-35	1,387,803	-	-	3,802	2,753,000

Measurements of stream flow in the Pacific slope basins in California at points other than regular gaging stations for the water year October 1934 to September 1935, are listed in the following tables.

Streams south of San Francisco Bay

Tia Juana River at highway bridge near Nestor, Calif.

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
	Sec.-ft.		Sec.-ft.		Sec.-ft.		Sec.-ft.
Feb. 12	240	Mar. 9	279	Mar. 30	9.4	Apr. 12	58
Feb. 17	43	Mar. 13	106	Apr. 6	0	Apr. 16	19
Feb. 22	15	Mar. 22	23	Apr. 9	73	Apr. 21	3.6
Mar. 5	35						

San Vicente Creek near Foster, Calif.

(Tributary to San Diego River)

Feb. 7	53	Mar. 5	6.1	Mar. 22	2.7	Apr. 16	2.8
Feb. 9	35	Mar. 8	27	Mar. 30	1.5	Apr. 30	3.1
Feb. 12	27	Mar. 9	18	Apr. 9	19		
Feb. 17	4.8	Mar. 13	7.7	Apr. 12	5.2		

Santa Ysabel Creek near Mesa Grande, Calif.

(Tributary to San Dieguito River)

Jan. 19	37	Mar. 13	17	Apr. 17	8.1	June 5	1.8
Feb. 9	36	Mar. 22	11	Apr. 30	29	June 20	.3
Feb. 17	10	Mar. 30	9	May 7	6.6	July 6	0
Feb. 25	8.2	Apr. 6	13	May 21	3.1		
Mar. 8	51	Apr. 9	38				

Temecula Creek above Murrieta Creek, near Temecula, Calif.

Dec. 14	81	Feb. 6	16	Feb. 8	16		

Santa Ana River at Yorba Bridge, near Yorba, Calif.

Oct. 18	167	Jan. 15	138	Feb. 18	92	Mar. 9	186
Oct. 19	33	Feb. 4	88	Feb. 18	88	Mar. 15	82
Dec. 8	42	Feb. 5	148	Mar. 1	37	Mar. 29	37
Dec. 15	290						

Santa Ana River three-quarters of a mile below Yorba Bridge, at spreading ground near Yorba, Calif.

Mar. 1	33	Mar. 9	145	Mar. 29	38		

Santa Ana River at Yorba, Calif.

Feb. 18, 55 second-feet
Mar. 1, 5.9 second-feet

Santa Ana River at Richfield road, three-quarters of a mile above Jefferson Street Bridge, near Yorba, Calif.

Feb. 18, 7.9 second-feet
Mar. 1, 1.2 second-feet

Santa Ana River at Jefferson Street Bridge, near Atwood, Calif.

Jan. 10	46	Feb. 4	8.2	Feb. 18	1.4	Mar. 9	36
Jan. 15	82	Feb. 5	50				

Santa Ana River at Anaheim-Olive Bridge, near Olive, Calif.

Jan. 10	36	Jan. 15	33	Feb. 5	27		

Streams south of San Francisco Bay--Continued

Strawberry Creek diversion near Arrowhead Springs, Calif.

July 19, 0.5 second-foot
July 26, .4 second-foot

San Jacinto River above diversion near San Jacinto, Calif.

Jan. 17, 13 second-feet

Diversion from Rogers Creek above gaging station near Azusa, Calif.

July 19, 0.5 second-foot
Aug. 28, .2 second-foot

Lower diversion from Haines Creek at lower tunnel below gaging station near Tujunga, Calif.

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
	Sec.-ft.		Sec.-ft.		Sec.-ft.		Sec.-ft.
Oct. 3	0.06	May 6	0.13	June 22	0.12	Aug. 19	0.10
Jan. 22	.10	May 20	.13	July 10	.12	Sept. 9	.08
Mar. 6	.12	May 27	.13	July 22	.11	Sept. 30	.07
Apr. 18	.12	June 3	.13	Aug. 12	.10		

Arroyo Seco at mouth of canyon near Pasadena, Calif.

Oct. 18, 34 second-feet

Fillmore Land & Water Co.'s diversion from Sespe Creek near Sespe, Calif.

Nov. 2	3.4	Mar. 27	0	June 14	16.3	July 25	12.0
Dec. 27	.6	May 20	10	July 1	15.6	Aug. 2	8.1
Feb. 1	.6	June 4	8.2	July 11	14.9	Aug. 29	7.6

Santa Ynez River half a mile above junction with Mono Creek, Calif.

Mar. 14	27	Apr. 25	21	May 16	11	June 5	3.8
Mar. 22	16	May 2	20	May 23	6.8	June 13	2.0
Mar. 28	18	May 9	13	May 29	5.8	June 20	1.4
Apr. 18	35						

Santa Ynez River half a mile below junction with Mono Creek, Calif.

Oct. 19	3.2	Dec. 21	4.2	Jan. 3	6.0	July 3	6.9
Nov. 15	.5	Dec. 27	2.5	June 27	1.3	July 11	.7
Dec. 17	6.4						

Santa Ynez River at Paradise Camp, Calif.

Dec. 14, 18.7 second-feet

Santa Ynez River at Pine Canyon Bridge, near Lompoc, Calif.

Jan. 10	614	Jan. 16	1,790	Mar. 8	338	Apr. 9	2,770

Mono Creek half a mile above junction with Santa Ynez River, Calif.

Mar. 14	36	Apr. 25	29	May 16	14	June 5	4.9
Mar. 22	28	May 2	25	May 23	9.2	June 13	3.3
Mar. 28	29	May 9	15	May 29	8.0	June 20	2.2
Apr. 18	43						

Cammesa Creek at junction with Santa Ynez River, near Santa Barbara, Calif.

Mar. 14	3.1	Apr. 25	2.5	May 23	0.6	June 20	0.2
Mar. 22	3.2	May 2	2.0	May 29	.6	June 27	*.1
Mar. 28	2.1	May 9	1.6	June 5	.3	July 2	*.1
Apr. 18	4.9	May 16	1.5	June 13	.2		

*Weir measurement.

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Streams south of San Francisco Bay--Continued

Gidney Creek at junction with Santa Ynez River, near Santa Barbara, Calif.

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
	Sec.-ft.		Sec.-ft.		Sec.-ft.		Sec.-ft.
Nov. 22	0.1	Mar. 14	1.9	May 2	1.6	June 5	0.4
Dec. 17	.8	Mar. 22	1.4	May 9	1.4	June 13	.2
Dec. 21	.3	Mar. 28	2.0	May 16	1.4	June 20	.2
Dec. 27	.3	Apr. 18	3.2	May 23	.8	June 27	*.1
Jan. 3	.5	Apr. 25	2.0	May 29	.7	July 3	*.1

Hot Springs Creek at junction with Santa Ynez River, near Santa Barbara, Calif.

Oct. 18	1.6	Jan. 18	1.2	June 5	0.4	Aug. 22	0.2
Dec. 14	2.3	Feb. 22	.4	July 18	.2		

Santa Agueda Creek at junction with Santa Ynez River, near Santa Ynez, Calif.

Nov. 19	19	Jan. 5	15	Jan. 9	139	Apr. 11	0.1
Dec. 14	9.2						

Santa Cota Creek at junction with Santa Ynez River, near Santa Ynez, Calif.

Oct. 18	1.3	Jan. 12	3.8	Apr. 11	4.1	July 13	1.3
Nov. 19	4.4	Feb. 16	2.6	May 20	1.3	Aug. 24	1.2
Dec. 14	2.4	Mar. 11	3.0	June 22	.2		

Alamo Pintado Creek 1.1 miles above junction with Santa Ynez River, near Solvang, Calif.

Oct. 18	0.2	Jan. 12	0.3	Apr. 11	0.4	July 20	0.2
Nov. 19	.4	Feb. 16	.2	May 20	.3	Aug. 24	.1
Dec. 14	.2	Mar. 11	.2	June 22	.1		

Alisal Creek at junction with Santa Ynez River, near Solvang, Calif.

Jan. 12	1.9	Mar. 2	9.5	Apr. 11	19	June 22	0.1
Jan. 16	1.5	Mar. 11	14	May 20	.9	July 20	.1

Nojoqui Creek 0.6 mile above junction with Santa Ynez River, near Buellton, Calif.

Mar. 2	1.2	Mar. 11	3.3	Mar. 11	11.4	May 20	1.2

Santa Rosa Creek at junction with Santa Ynez River, near Buellton, Calif.

June 18, 0.1 second-foot

Salsipuedes Creek 0.9 mile above junction with Santa Ynez River, near Lompoc, Calif.

Oct. 18	1.0	Jan. 4	2.4	Mar. 5	1.3	May 17	2.6
Nov. 19	11.0	Jan. 10	583	Mar. 8	40	July 16	.2
Dec. 14	2.2	Feb. 15	2.5	Apr. 19	6.7	Aug. 30	.2

Alamo Creek at junction with Cuyama River, near Santa Maria, Calif.

Apr. 3	1.1	Apr. 9	91	Apr. 11	6.0	June 5	1.5

*Weir measurement.

San Joaquin River Basin

Rabbit Creek at former gaging station 600 feet above mouth and 3 miles northwest of Camanche, Calif.

(Tributary to Mokelumne River)

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
	Sec.-ft.		Sec.-ft.		Sec.-ft.		Sec.-ft.
Nov. 19	0.8	Jan. 5	15.9	Mar. 7	61	Apr. 16	5.1
Dec. 28	13.2	Jan. 9	52	Mar. 23	3.0		

Sacramento River Basin

Middle Fork of Yuba River at Milton, Calif.

May 27	675	May 28	745	May 28	337	May 29	259

Klamath River Basin

Bluff Creek half a mile above mouth, in sec. 30, T. 10 N., R. 5 E., Calif.

(Tributary to Klamath River)

Aug. 28, 49 second-feet

ERRATA

In Water-Supply Paper 631 (p.410), the first four discharge measurements given for Pit River are actually measurements of Albaugh Ditch, which diverts from Pit River. These measurements, made at entrance to property at Pittville, Calif., are as follows:

Date	Discharge (Second-feet)
1925	
Oct. 1	1.2
8	1.1
15	1.2
22	* .2

*Estimated.

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