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1936

PART 11

PACIFIC SLOPE BASINS IN CALIFORNIA

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SURFACE WATER SUPPLY OF PACIFIC SLOPE
BASINS IN CALIFORNIA, 1936

SCOPE OF WORK

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

In the execution of the work many State and private organizations have cooperated, either by furnishing data or by assisting in collecting data. Acknowledgments for cooperation of the first kind are made in connection with the description of each station affected; cooperation of the second kind is acknowledged on page 15.

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

EXPLANATION OF DATA

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

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

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

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

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

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

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

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

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

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

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

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

TYPICAL RIVER-MEASUREMENT STATIONS.

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

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

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

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

PUBLICATIONS

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

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

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

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

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

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

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

Harrisburg, Pa., 490 Education Building.
Charlottesville, Va., University of Virginia.
South Charleston, W. Va., Naval Ordnance Plant.
Asheville, N. C., 220 Post Office Building.
Columbia, S. C., 119 United States Courthouse.
Atlanta, Ga., Georgia School of Technology.
Ocala, Fla., Post Office Building.
Montgomery, Ala., Post Office Building.
Chattanooga, Tenn., 442 Post Office Building.
Columbus, Ohio, Engineering Experiment Station, Ohio State University.
Indianapolis, Ind., 319 Federal Building.
Urbana, Ill., 14 Post Office Annex.
Madison, Wis., 337N State Capitol.
St. Paul, Minn., 808 New Post Office Building.
Iowa City, Iowa, 402 Hydraulic Laboratory, University of Iowa.
St. Louis, Mo., 906 Customhouse, 1114 Market Street.
Rolla, Mo., Missouri Geological Survey Building, Missouri School of Mines and Metallurgy.
Topeka, Kans., 305 Federal Building.
Fort Smith, Ark., Post Office Building.
Austin, Tex., State Highway Building.
Santa Fe, N. Mex., 3 United States Courthouse.
Tucson, Ariz., 210 Post Office Building.
Denver, Colo., 403 Post Office Building.
Salt Lake City, Utah, 303 Federal Building.
Idaho Falls, Idaho, 228 Federal Building.
Boise, Idaho, 429 Federal Building.
Helena, Mont., 421 Federal Building.
Tacoma, Wash., 406 Federal Building.
Portland, Oreg., 606 Post Office Building.
San Francisco, Calif., 303 Customhouse.
Los Angeles, Calif., 512 Eighth and Figueroa Building.
Honolulu, Hawaii, 225 Federal Building.

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

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

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

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

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

Note.- The reports which contain records after 1901 are given in the table on page 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 1936. The data for any particular station will, in general, be found in the reports covering the years during which the station was maintained. For example, data from 1910 to 1920 for any station in the area covered by part 3 are published in Water-Supply Papers 283, 303, 323, 353, 383, 403, 433, 453, 473, and 503, which contain records for the Ohio River Basin for those years. Special papers containing compilation of records previously published and also records not contained in the annual series of water-supply papers have been published for some States and drainage basins. For example, stream-flow records for the New-Kanawha River Basin in part 3 from 1895 to 1920 are contained in Water-Supply Paper 536.

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

(For basins included see p. 11)

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

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

RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

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

Records of discharge collected by agencies other than the Geological Survey

River	Location	Period
Alhambra Wash	Short Street, Wilmar, Calif.*	†1929-36
Benedict Canyon Creek	Wesley Street, near Palms, Calif.	‡1934-36
Centinela Creek	Centinela Boulevard, near Culver City, Calif.	†1932-36
Clear Lake Reservoir (elevation and discharge).	Sec. 8, T. 47 N., R. 8 E., in California, near Langell Valley, Oreg.	‡1910-24 (incomplete), 1924-36
Compton Creek	Rosecrans Avenue, Compton, Calif.	†1928-36
Cottonwood Creek Reservoir.	10 miles northwest of Lakeview, Oreg.	**1924-36
Coyote Creek	Below Pacific Electric Railway bridge near Artesia, Calif.	†1928-36
Devils Canyon Creek	3 miles above San Gabriel Dam No. 2, Calif.	†1933-36
Dume (Zuma) Creek	Roosevelt Highway bridge, Calif.	†1930-36
Eaton Wash	Sunset Avenue, near El Monte, Calif.	†1930-36
Gerber Reservoir (elevation and discharge.	Sec. 12, T. 39 S., R. 13 E., near Lorella, Oreg.	‡1926-36
"J" Canal	Intake, near SE. corner of sec. 7, T. 41 S., R. 11 E., Oreg.	‡1923-36
Little Santa Anita Creek	400 feet below flood-control dam at Sierra Madre, Calif.*	†1929-36
Live Oak Creek	½ mile below flood-control dam near La Verne, Calif.	†1928-36
Los Angeles River	Van Nuys Boulevard, near Van Nuys, Calif.	†1928-36
Do.	Vineland Avenue, near Universal City, Calif.	†1930-36
Lost River	Below diversion dam near corner of sec. 7, T. 41 S., R. 11 E., Oreg.	‡1913-36
Do.	Stone Bridge, below diversion dam near corner of secs. 7, 8, 17, 18, T. 41 S., R. 11 E., near Merrill, Oreg.	‡1923-36
Monrovia Creek	Above junction with Sawpit Creek, near Monrovia, Calif.	†1927-36
Monrovia Storm Drain	Peck Road, Monrovia, Calif.	†1932-36
Montebello Storm Drain	Mines Avenue, Montebello, Calif.	†1932-36
Pacoima Wash	Parthenia Street, near Van Nuys, Calif.	†1928-36
Puddingstone Creek	Below flood-control dam near San Dimas, Calif.	†1927-36
Rio Hondo	Lower Azusa Road, 1½ miles north of El Monte, Calif.	†1932-36
Rubio Wash	Broadway Bridge, near San Gabriel, Calif.	†1928-36
San Antonio Creek	Mouth of canyon near Claremont, Calif.	†1931-36
San Gabriel River	Edison intake, near Azusa, Calif.	†1927-36
Do.	Foothill Boulevard, near Azusa, Calif.	†1932-36
Do.	San Bernardino Boulevard (formerly called El Monte Boulevard), near El Monte, Calif.	†1932-36
Do.	Spring Street, near Long Beach, Calif.	†1928-36
Do.	Telegraph Road, near Sante Fe Springs, Calif.	†1934-36
Santa Anita Creek	700 feet above junction with Little Santa Anita Creek, near Arcadia, Calif.*	†1927-36
Santa Anita Wash	Below Arrow Highway, near Arcadia, Calif.	†1932-36
Sepulveda Creek	Charnock Road, Albright City, Calif.	†1932-36
Sycamore Storm Drain	Adams Square, Glendale, Calif.	†1927-36
Tujunga Wash	Stonehurst Avenue, near San Fernando, Calif.	†1932-36
Tujunga Wash (east and west channels).	Magnolia Boulevard, North Hollywood, Calif.	†1930-36
Verdugo Storm Drain	Don Carlos Avenue, Glendale, Calif.*	†1928-36
Walnut Wash	Covina Boulevard, at Baldwin Park, Calif.	†1928-36
West Fork of San Gabriel River.	½ mile below flood-control dam no. 2, Calif.	†1934-36

*Station moved a short distance during water year ending Sept. 30, 1936. Records comparable with those at former location.

†Station operated by Los Angeles County Flood Control District. Records are available at the office of Los Angeles County Flood Control District in Los Angeles, Calif., or in its published reports.

‡Unpublished records collected by U. S. Bureau of Reclamation.

**Records collected by State engineer--1924-30 published in Oregon State Engineer Bull. 8, 1931-36 unpublished.

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, 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.

SWEETWATER RIVER BASIN

Sweetwater River at Sweetwater Dam, Calif.

Location.- At the dam on Sweetwater Reservoir, in La Nacion grant, 6 miles east of National City, San Diego County, and about 8 miles above mouth. Altitude, about 200 feet.

Drainage area.- 181 square miles.

Records available.- December 1887 to September 1936.

Remarks.- Records of run-off in acre-feet computed by California Water & Telephone Co. from storage, release, and rainfall records.

Monthly discharge, in second-feet, 1927-36

Month	1927-28		1928-29		1929-30	
	Mean	Run-off in acre-feet	Mean	Run-off in acre-feet	Mean	Run-off in acre-feet
October	5.09	313	1.24	76	0.81	50
November	0	0	1.23	73	1.85	110
December	18.2	1,118	2.67	164	1.85	114
January	10.5	643	2.03	125	4.42	272
February	16.2	931	5.51	306	1.60	89
March	8.08	497	17.6	1,083	19.4	1,190
April	1.95	116	21.2	1,259	5.36	319
May	1.95	120	2.15	132	36.9	2,268
June	1.31	78	1.98	118	1.34	80
July	0.60	37	1.89	116	.50	31
August	.59	36	1.50	92	.41	25
September	1.01	60	.47	28	.84	50
Water year	5.44	3,949	4.93	3,572	6.35	4,598

Month	1930-31		1931-32		1932-33	
	Mean	Run-off in acre-feet	Mean	Run-off in acre-feet	Mean	Run-off in acre-feet
October	2.31	142	0.81	50	2.55	157
November	1.06	63	1.51	90	2.39	142
December	1.64	101	11.8	723	3.16	194
January	3.16	194	10.1	624	32.3	1,987
February	8.17	454	314	18,033	26.0	1,442
March	1.63	100	65.8	4,045	12.0	737
April	1.83	109	26.1	1,552	13.2	784
May	1.69	104	7.24	445	19.8	1,219
June	1.48	88	2.10	125	2.79	166
July	.49	30	.65	40	.94	58
August	.33	20	1.38	85	.57	35
September	.34	20	1.55	92	.81	48
Water year	1.97	1,425	35.7	25,904	9.63	6,969

Month	1933-34		1934-35		1935-36	
	Mean	Run-off in acre-feet	Mean	Run-off in acre-feet	Mean	Run-off in acre-feet
October	1.11	68	2.20	135	0	0
November	1.16	69	2.18	130	0	0
December	1.94	119	3.07	189	.75	46
January	.94	58	2.88	177	.65	40
February	3.89	216	9.87	548	15.9	911
March	1.30	80	25.2	1,549	7.71	474
April	1.33	79	15.0	891	36.7	2,181
May	.67	41	1.95	120	1.04	64
June	.94	56	.89	53	1.14	68
July	1.53	94	.28	17	.86	53
August	1.76	108	0	0	.96	59
September	1.70	101	0	0	.94	56
Water year	1.50	1,089	5.26	3,809	5.44	3,952

Note.- Records October 1927 to September 1932 supersede those published in Water-Supply Paper 736.

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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 former gaging station 1 mile below dam.

Records available.- October 1911 to September 1936.

Average discnarge.- 25 years, 40.6 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 the U. S. Geological Survey from records furnished by San Diego County Water Co.

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

Month	Mean	Run-off in acre-feet
October	1.19	73.0
November	2.82	168
December	1.77	109
Calendar year 1935	11.3	8,197
January	2.36	145
February	98.1	5,641
March	29.9	1,841
April	54.4	3,236
May	5.20	320
June	1.24	74
July	1.27	78
August	3.74	230
September	1.97	117
Water year 1935-36	16.6	12,032

San Luis Rey River at Monserate Narrows, near Pala, Calif.

Location.- Water-stage recorder, lat. 33°20'20", long. 117°8'20", in Monserate grant, 4 miles southwest of Pala, San Diego County.

Drainage area.- 383 square miles.

Records available.- December 1935 to September 1936.

Extremes.- Maximum discharge during period, 181 second-feet Feb. 16 (gage height, 1.95 feet); minimum, 0.2 second-foot Sept. 10-18.

Remarks.- Records good. Discharge for periods Dec. 1-12 and Apr. 3-5 computed on basis of two discharge measurements and comparison with records for station at Bonsall.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			3.0	4.2	5.5	29	42	8	2.1	0.8	0.5	0.5
2			3.1	4.2	7.5	26	29	8.5	1.9	.8	.6	.6
3			3.2	3.9	16	24	20	8	1.9	.8	.7	.6
4			3.2	3.9	11	22	45	8	1.9	.8	.6	.5
5			3.4	3.9	9.5	20	80	7.5	1.8	.8	.6	.5
6			3.3	3.3	8.5	20	46	7.5	1.6	.8	.6	.5
7			3.3	2.9	7.5	17	37	7	1.5	.8	.7	.4
8			3.2	3.1	7.5	16	33	6	1.8	.8	.7	.3
9			3.2	2.9	7	14	30	5	1.8	.8	.7	.3
10			3.1	3.1	6.5	14	26	4.6	1.6	.9	.7	.2
11			3.0	3.1	8	13	24	4.2	1.6	.8	.6	.2
12			3.0	3.3	30	12	22	3.9	1.4	.9	.5	.2
13			2.9	3.9	61	11	21	3.5	1.2	1.2	.6	.2
14			2.9	4.4	87	10	18	3.5	1.2	.9	.5	.2
15			2.9	4.4	140	10	17	3.7	1.2	.8	.5	.2
16			2.9	4.6	165	9.5	17	3.3	1.4	.8	.5	.2
17			2.9	4.6	110	9	16	3.3	1.4	.8	.5	.2
18			2.9	4.9	84	8.5	15	3.5	1.4	.8	.5	.2
19			3.3	4.4	88	8.5	14	3.3	1.4	.8	.5	.3
20			3.5	3.9	83	8.5	13	3.1	1.4	.7	.6	.3
21			3.5	3.7	66	8.5	12	3.1	1.4	.6	.6	.4
22			3.7	3.7	56	8.5	12	2.9	1.4	.6	.6	.4
23			4.2	3.5	62	11	12	2.9	1.4	.6	.6	.4
24			4.9	3.3	67	11	11	2.9	1.2	.5	.7	.5
25			4.9	3.5	52	14	11	3.1	1.2	.5	.7	.5
26			4.6	3.7	46	12	10	3.1	.9	.5	.7	.5
27			4.4	3.5	42	11	10	3.1	1.0	.5	.6	.4
28			4.2	3.7	37	11	9	2.7	.9	.5	.6	.4
29			4.2	4.6	34	13	8.5	2.4	.9	.5	.6	.4
30			4.2	4.6	-	12	8	2.2	.8	.5	.5	.4
31			4.6	4.9	-	30	-	2.1	-	.5	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December	109.6	4.9	2.9	3.54	217
Calendar year					
January	119.6	4.9	2.9	3.86	237
February	1,404.5	165	5.5	48.4	2,790
March	444	30	8.5	14.3	881
April	668.5	80	8	22.3	1,330
May	135.9	8.5	2.1	4.38	270
June	42.6	2.1	.8	1.42	84
July	22.4	1.2	.5	.72	44
August	18.4	.7	.5	.59	36
September	10.9	.6	.2	.36	22
The period					5,910

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 and 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 1936.

Extremes.- Maximum discharge during year, 371 second-feet Feb. 16 (gage height, 2.92 feet); no flow part of year.
1912-18, 1929-36: Maximum discharge, 9,000 second-feet Feb. 11, 1915; maximum stage for flood of January 1916 not known, as all equipment was destroyed; 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	1.1	4.8	32	47	5	0.8			
2			0	1.4	8	31	35	4.3	.7			
3			0	1.4	4.2	30	29	4.3	.5			
4			0	1.4	4.2	28	42	4.0	.5			
5			0	1.4	3.2	26	65	3.7	.5			
6			0	1.4	3.2	25	63	3.7	.6			
7			0	1.4	2.9	24	42	3.7	.5			
8			0	1.4	2.9	21	34	2.7	.5			
9			0	1.4	2.5	21	30	2.1	.4			
10			0	1.4	2.5	18	27	2.1	.3			
11			0	1.4	4.8	17	24	1.7	.2			
12			0	1.4	9.8	16	22	1.7	.2			
13			0	1.4	34	14	21	1.7	.1			
14			0	1.4	59	13	21	1.4	.1			
15			0	1.4	155	12	18	1.1	.1			
16			0	1.1	231	12	17	1.1	.1			
17			0	1.4	142	12	15	1.1	.1			
18			0	1.1	103	11	14	1.1	0			
19			.2	.7	106	10	13	1.1	0			
20			.4	.7	91	10	12	1.1	0			
21			.4	1.1	72	10	12	1.1	0			
22			.7	1.1	60	11	11	1.1	0			
23			1.1	.7	60	11	11	1.1	0			
24			1.1	1.1	68	13	10	1.1	0			
25			1.1	1.4	54	16	8.5	1.4	0			
26			1.1	1.4	47	14	8	1.4	0			
27			1.1	1.4	42	11	8	1.1	0			
28			1.1	1.4	38	10	7	1.0	0			
29			1.1	2.9	35	12	8	.9	0			
30			1.1	2.5	-	13	5.5	.8	0			
31			1.1	2.5	-	29	-	.9	-			

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	11.6	1.1	0	.37	23
Calendar year 1935	3,981.6	212	0	10.9	7,910
January	43.2	2.9	.7	1.39	86
February	1,450.0	231	2.5	50.0	2,880
March	533	32	10	17.2	1,060
April	700.0	85	5.5	23.3	1,390
May	60.6	5	.8	1.95	120
June	6.2	.8	0	.21	12
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	2,804.6	231	0	7.66	5,570

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 above State highway bridge at Oceanside. Altitude, about 20 feet.

Records available.- April 1912 to September 1914, January 1916, December 1929 to September 1936.

Extremes.- Maximum discharge during year, 97 second-feet Feb. 17 (gage height, 4.73 feet); no flow for several months.
1912-14, 1916, 1929-36: Maximum discharge, 95,600 second-feet Jan. 12, 1916; no flow for several months each year.

Remarks.- Records good. Storage at Lake Henshaw and numerous diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	9.5	9					
2					0	8	17					
3					0	6	14					
4					0	5	14					
5					0	4.4	26					
6					0	4.1	43					
7					0	3.4	31					
8					0	3.4	25					
9					0	3.0	21					
10					0	2.4	18					
11					0	.9	17					
12					0	.3	14					
13					0	.1	13					
14					0	.1	11					
15					0	0	9.5					
16					11	0	8					
17					84	0	6.5					
18					41	0	5.5					
19					49	0	4.2					
20					39	0	3.0					
21					30	0	2.4					
22					24	0	1.5					
23					21	0	.7					
24					26	0	.2					
25					25	0	0					
26					18	0	0					
27					16	0	0					
28					13	0	0					
29					11	0	0					
30					-	.1	0					
31					-	.5	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	2,625.1	259	0	7.19	5,200
January	0	0	0	0	0
February	408	84	0	14.1	809
March	51.2	9.5	0	1.65	102
April	314.5	43	0	10.5	624
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 1935-36	773.7	84	0	2.11	1,540

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 east of San Juan Capistrano, Orange County. Altitude, about 150 feet.

Drainage area.- 117 square miles (at former site 2½ miles downstream).

Records available.- October 1928 to September 1936.

Extremes.- Maximum discharge during year, 407 second-feet Feb. 16 (gage height, 2.66 feet); no flow part of year.
1929-36: Maximum discharge, about 1,230 second-feet Mar. 16, 1930; no flow part of each year.

Remarks.- Records fair except those for low discharges, which are poor. Irrigation diversion above station. Discharge estimated Oct. 1 to Dec. 2, Dec. 4-21, Mar. 21, 22, 27-31, Apr. 14 to June 15.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.2	0.6	1.1	4.6	7	0.2	0.2			
2			.2	.6	4.4	4.6	5.5	4.0	.2			
3			.3	.6	3.0	4.6	4.4	3.5	.2			
4			.3	.6	1.8	4.4	17	1.0	.2			
5			.3	.6	1.8	4.4	16	.3	.2			
6			.3	.4	1.2	4.6	13	.2	.2			
7			.3	.3	1.0	4.4	11	.2	.1			
8			.3	.2	.9	4.4	10	.2	.1			
9			.2	.2	.7	4.2	9	.2	.1			
10			.2	.2	.8	3.4	7.5	.2	.1			
11			.2	.2	3.9	3.4	6	.2	.1			
12			.2	.2	8	3.2	5	.2	.1			
13			.2	.2	89	3.4	4.9	.2	.1			
14			.2	.2	66	3.7	3.0	.2	.1			
15			.2	.2	133	3.7	.3	.2	.1			
16			.2	.2	187	3.9	.3	.2	0			
17			.2	.2	59	3.9	.3	.2	0			
18			.2	.2	25	3.9	.3	.2	0			
19			.2	.2	17	3.9	.3	.2	0			
20			.2	.2	13	3.7	2.6	.2	0			
21			.2	.2	11	2.0	5	.2	0			
22			.2	.2	9.5	2.0	2.5	.2	0			
23			.8	.2	11	3.2	.6	.2	0			
24			.6	.2	11	4.2	.4	.2	0			
25			.6	.2	9.5	3.9	.2	.2	0			
26			.4	.2	7	3.7	.2	.2	0			
27			.5	.2	5	3.0	.2	.2	0			
28			.5	.2	5	1.0	.2	.2	0			
29			.9	.5	4.9	1.0	.2	.2	0			
30			.8	.4	-	1.0	.2	.2	0			
31			.7	.3	-	9.3	-	.2	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1.55	-	-	*0.05	3.1
November	6.0	-	-	*.2	12
December	10.8	0.9	0.2	.35	21
Calendar year 1935	574.45	43	0	1.57	1,140
January	9.1	.6	.2	.29	18
February	691.5	187	.7	23.8	1,370
March	114.6	9.3	1.0	3.70	227
April	133.1	17	.2	4.44	264
May	14.2	4.0	.2	.46	28
June	2.1	.2	0	.07	4.2
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	982.95	187	0	2.69	1,950

*Estimated.

Trabuco Creek near San Juan Capistrano, Calif.

Location.- Water-stage recorder, lat. 33°31'30", long. 117°40'15", in SW¼ sec. 25, T. 7 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 1936.

Extremes.- Maximum discharge during year, 160 second-feet Feb. 15; no flow part of year.
1930-36: Maximum discharge, 381 second-feet Feb. 8, 1932; no flow part 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0		0					
2					0		0					
3					0		0					
4					0		.4					
5					0		2.0					
6					0		.8					
7					0		.1					
8					0		0					
9					0		0					
10					0		0					
11					.5		0					
12					15		0					
13					30		0					
14					29		0					
15					39		0					
16					47		0					
17					12		0					
18					3.5		0					
19					1.5		0					
20					0		0					
21					0		0					
22					0		0					
23					2.8		0					
24					3.8		0					
25					3.3		0					
26					2.4		0					
27					1.8		0					
28					1.4		0					
29					.4		0					
30					-		0					
31					-		-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	206.2	29	0	.56	409
January	0	0	0	0	0
February	193.4	47	0	6.67	384
March	0	0	0	0	0
April	3.3	2.0	0	.11	6.5
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 1935-36	196.7	47	0	.54	390

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 1936.

Extremes.- Maximum discharge during year, 1,420 second-feet Feb. 12 (gage height, 8.60 feet); no flow for several months.
1930-36: Maximum discharge, that of Feb. 12, 1936; 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0.1		0					
2					16		0					
3					.1		.1					
4					0		.1					
5					0		0					
6					0		0					
7					0		0					
8					0		0					
9					0		0					
10					0		0					
11					4.5		0					
12					85		0					
13					2.8		0					
14					37		0					
15					1.0		0					
16					7.5		0					
17					.1		0					
18					3.2		0					
19					.1		0					
20					.1		0					
21					0		0					
22					0		0					
23					20		0					
24					.1		0					
25					0		0					
26					0		0					
27					0		0					
28					0		0					
29					0		0					
30					-		0					
31					-		-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	287.0	135	0	.79	569
January	0	0	0	0	0
February	177.6	85	0	6.12	352
March	0	0	0	0	0
April	.2	.1	0	.007	.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 1935-36	177.8	85	0	.49	352

Santa Ana River near Mentone, Calif.

Location.- Water-stage recorder, lat. 34°6'40", long. 117°6'0", 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 1936.

Average discharge.- 38 years (1896-1909, 1910-15, 1916-36), 36.6 second-feet. Average combined discharge of Santa Ana River and canals, 35 years (1896-98, 1902-15, 1916-36), 87.8 second-feet.

Extremes.- Maximum discharge during year, 820 second-feet Feb. 11 (gage height, 4.70 feet); no flow for several months.
1896-1936: Maximum discharge, 29,100 second-feet Jan. 27, 1916; no flow during parts of 1932-36.

Remarks.- Records fair. Discharge estimated Dec. 29, 30, Feb. 5-8, 18, Mar. 13-24, Apr. 20, 21, June 5-18, July 11-21, and Aug. 18-24. Storage at Bear Valley Reservoir and diversions above station. Sum of discharge in river, Mentone power plant tailrace, and Greenspot pipe line is given in table on next page.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0		9	16	8	2.5	0.3	0.2	0	
2			0		60	14	4.9	2.2	.3	.2	0	
3			0		6	9.4	3.5	1.8	.3	.2	0	
4			0		1.8	7	104	1.5	.3	.1	0	
5			0		1.4	6	75	1.4	.3	.1	0	
6			0		1.0	4.9	20	1.4	.3	.1	0	
7			0		.7	3.2	14	1.2	.3	.1	0	
8			0		.1	3.2	16	1.1	.3	.1	0	
9			0		0	3.5	9.5	1.2	.3	.1	0	
10			0		0	3.0	9	1.1	.3	.1	0	
11			0		237	2.5	27	.8	.3	.1	0	
12			0		585	2.2	75	.7	.3	.1	0	
13			0		482	2.0	62	.6	.3	.1	0	
14			0		107	1.8	55	.5	.2	.1	0	
15			0		223	1.6	49	.7	.2	.1	2.2	
16			0		193	1.5	47	.6	.2	.1	1.8	
17			0		138	1.3	46	.6	.2	.1	.2	
18			0		200	1.2	50	.6	.2	.1	.1	
19			0		162	1.2	25	.6	.2	.1	.1	
20			0		74	1.1	5	.5	.2	.1	.1	
21			0		68	1.2	5	.5	.2	.1	.1	
22			0		62	15	3.8	.5	.2	0	.1	
23			0		130	9	3.8	.5	.2	0	.1	
24			0		86	8	3.8	.5	.2	0	.1	
25			0		60	7.5	5.5	.6	.2	0	0	
26			0		33	8.5	6.5	.6	.2	0	0	
27			0		18	9	5	.6	.2	0	0	
28			0		17	7.5	3.5	.5	.2	0	0	
29			10		16	6	3.2	.5	.2	0	0	
30			15		-	5	3.0	.5	.2	0	0	
31			0		-	16	-	.5	-	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	25	15	0	.81	50
Calendar year 1935	2,693.6	200	0	7.38	5,340
January	0	0	0	0	0
February	2,971	585	0	102	5,890
March	179.3	16	1.1	5.78	356
April	748.0	104	3.0	24.9	1,480
May	27.4	2.5	.5	.88	54
June	7.3	.3	.2	.24	14
July	2.4	.2	0	.08	4.8
August	4.9	2.2	0	.16	9.7
September	0	0	0	0	0
Water year 1935-36	3,965.3	585	0	10.8	7,860

Combined discharge, in second-feet, of Santa Ana River and canals near Mentone, Calif., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	34	28	26	40	68	52	54	48	47	46	44
2	39	32	28	26	94	66	52	51	48	47	48	44
3	41	28	28	26	32	64	51	55	48	48	52	48
4	41	32	30	26	34	58	190	54	46	48	50	50
5	43	32	30	26	32	58	150	52	41	50	50	48
6	41	34	30	26	28	52	86	57	43	50	52	48
7	41	34	30	26	26	53	80	51	44	50	52	48
8	41	34	28	26	27	51	82	53	44	52	54	48
9	43	32	28	26	26	51	80	49	44	52	52	46
10	43	32	28	26	26	48	94	53	44	52	48	48
11	41	32	28	26	268	46	112	55	46	52	46	48
12	44	32	28	26	585	46	120	53	46	52	48	48
13	43	32	28	26	482	46	106	53	46	50	44	50
14	43	34	28	26	152	45	100	52	46	46	46	50
15	43	34	28	26	262	43	94	53	46	48	50	48
16	37	32	28	26	234	43	87	51	46	52	52	46
17	30	32	26	26	138	41	86	53	46	50	52	46
18	37	34	28	26	246	41	90	51	46	54	50	46
19	37	34	26	26	162	40	96	51	46	52	52	46
20	37	30	28	26	120	40	76	48	46	52	52	48
21	39	30	26	26	128	43	76	49	47	52	52	44
22	35	30	26	26	102	58	75	49	45	52	50	43
23	41	32	26	26	178	50	70	46	47	50	50	43
24	43	30	28	26	134	46	70	46	47	50	46	44
25	44	30	26	26	140	44	68	45	47	50	46	42
26	44	28	26	26	108	48	60	47	47	50	46	44
27	43	28	26	26	88	48	58	45	47	50	50	48
28	43	28	26	26	82	47	56	50	47	48	48	44
29	39	30	36	28	76	46	54	48	47	46	46	47
30	37	30	41	26	-	44	54	48	47	46	46	45
31	35	-	26	26	-	72	-	50	-	48	44	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,247	44	30	40.2	2,470
November	946	34	28	31.5	1,880
December	877	41	26	28.3	1,740
Calendar year 1935	19,576	275	22	53.6	38,850
January	808	28	26	26.1	1,600
February	4,050	585	26	140	8,030
March	1,546	72	40	49.9	3,070
April	2,525	190	51	84.2	5,010
May	1,572	57	45	50.7	3,120
June	1,378	48	41	45.9	2,730
July	1,546	54	46	49.9	3,070
August	1,520	54	44	49.0	3,010
September	1,392	50	42	46.4	2,760
Water year 1935-36	19,407	585	26	53.0	38,490

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 1936.

Extremes.- Maximum discharge during year, 1,600 second-feet Feb. 11 (gage height, 4.15 feet); no flow for several months.
1928-36: Maximum discharge, 2,400 second-feet Feb. 9, 1932 (gage height, 4.15 feet); no flow most of each year.

Remarks.- Records poor. Discharge estimated Feb. 3, 12, 14-20. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0		0					
2					116		0					
3					2.0		0					
4					0		10					
5					0		0					
6					0		0					
7					0		0					
8					0		0					
9					0		0					
10					0		0					
11					268		0					
12					200		0					
13					344		0					
14					100		0					
15					96		0					
16					40		0					
17					10		0					
18					10		0					
19					10		0					
20					2.0		0					
21					0		0					
22					0		0					
23					38		0					
24					0		0					
25					0		0					
26					0		0					
27					0		0					
28					0		0					
29					0		0					
30					-		0					
31					-		-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	181	85	0	0.50	360
January	0	0	0	0	0
February	1,236.0	344	0	42.6	2,450
March	0	0	0	0	0
April	10	10	0	.3	20
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 1935-36	1,246.0	344	0	3.40	2,470

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

Location.- Water-stage recorder, lat. 33°58'0", 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 1936.

Extremes.- Maximum discharge during year (estimated), 1,100 second-feet Feb. 12; minimum, 22 second-feet Aug. 23.
1929-36: Maximum discharge, 4,740 second-feet Dec. 29, 1931; minimum, 22 second-feet Aug. 20-23, 1935, and Aug. 23, 1936.

Remarks.- Records good except those for periods of high water, which are fair. Numerous diversions. See records for Santa Ana River at San Bernardino.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	28	30	30	35	41	39	29	28	27	27	26
2	27	28	30	30	236	39	37	29	28	27	27	26
3	27	28	30	30	60	38	37	29	28	27	27	27
4	27	28	30	31	36	37	48	29	28	27	26	27
5	26	28	30	31	35	36	41	29	28	27	26	28
6	26	28	30	31	34	36	39	29	28	27	25	27
7	26	28	30	31	34	35	36	29	28	28	25	27
8	26	28	30	31	34	34	34	29	28	28	25	27
9	25	28	30	32	33	34	34	29	27	27	24	27
10	25	27	30	32	33	33	35	29	27	27	24	27
11	25	27	30	32	49	33	33	29	27	27	24	27
12	25	27	30	32	472	32	33	30	27	27	24	28
13	26	27	30	32	533	31	33	29	27	27	23	28
14	27	27	30	31	288	31	33	29	27	26	23	29
15	27	27	30	31	367	31	33	29	27	26	24	28
16	26	26	30	31	200	31	33	29	27	26	24	28
17	26	27	30	31	120	31	33	29	27	26	23	28
18	26	26	30	31	78	30	33	29	27	26	24	28
19	26	25	30	31	64	29	33	29	27	26	24	28
20	27	26	29	32	43	28	33	28	27	26	24	27
21	27	26	29	32	41	27	32	28	27	25	24	28
22	27	27	29	31	40	27	31	28	27	25	23	27
23	27	28	29	31	80	25	31	28	27	25	23	27
24	27	29	29	31	51	39	31	28	27	25	23	27
25	27	30	30	31	48	36	31	28	27	25	24	27
26	27	30	30	31	46	34	30	27	27	26	24	27
27	27	30	30	31	45	32	30	27	27	26	25	27
28	28	30	31	31	44	30	30	27	27	27	25	27
29	28	30	45	31	43	30	30	28	27	27	26	27
30	28	30	36	31	-	31	29	28	27	27	26	27
31	28	-	32	31	-	47	-	28	-	27	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	824	28	25	26.6	1,630
November	834	30	25	27.8	1,650
December	949	45	29	30.6	1,880
Calendar year 1935	11,457	200	23	31.4	22,720
January	965	32	30	31.1	1,910
February	3,222	533	33	111	6,390
March	1,028	47	25	33.2	2,040
April	1,015	48	29	33.8	2,010
May	885	30	27	28.5	1,760
June	818	28	27	27.3	1,620
July	820	28	25	26.5	1,630
August	762	27	23	24.6	1,510
September	819	29	26	27.3	1,620
Water year 1935-36	12,941	533	23	35.5	25,650

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

Location.- Water-stage recorder, lat. 33°56'50", long. 117°33'0", in Jurupa grant, 1 mile above Hamner Avenue and 5 miles north of Corona, Riverside County.

Records available.- May 1930 to November 1936, irrigation seasons only.

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

Discharge, in second-feet, 1935-36

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

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	806	29	22	26.0	1,600
November	943	34	28	31.4	1,870
1936					
May	868	34	24	28.0	1,720
June	680	27	18	22.7	1,350
July	516	20	14	16.6	1,020
August	501	18	14	16.2	994
September	601	23	16	20.0	1,190
October	759	63	16	24.5	1,510
November	817	32	22	27.2	1,620
The period					9,400

*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 1936, irrigation seasons only.

Remarks.- Records good. Discharge Aug. 4-7 computed on basis of records for stations at Hamner Avenue and at Atchison, Topeka & Santa Fe Railway bridge.

Discharge, in second-feet, 1935-36

Day	Oct.	Nov.				May	June	July	Aug.	Sept.	Oct.	Nov.
1	43	45				49	38	31	30	29	37	67
2	44	47				47	36	30	28	30	33	58
3	43	52				48	37	30	28	32	37	49
4	40	47				46	36	29	28	31	34	50
5	43	46				48	35	30	29	34	36	53
6	40	44				42	36	28	29	35	32	48
7	42	47				44	34	29	30	36	37	52
8	41	47				45	37	29	31	32	33	47
9	42	45				40	34	30	29	36	34	48
10	42	46				42	34	29	27	36	33	46
11	42	47				47	34	29	26	32	33	47
12	42	42				42	34	30	27	36	34	48
13	41	44				45	35	30	27	37	35	48
14	43	46				42	31	31	27	36	35	47
15	42	49				45	35	30	27	39	37	52
16	43	51				40	32	30	25	36	50	50
17	40	53				44	33	28	26	38	62	50
18	40	61				42	34	27	26	36	55	54
19	40	52				42	32	28	23	34	58	48
20	43	55				41	32	27	25	35	46	52
21	41	52				39	32	26	27	34	47	50
22	42	56				39	31	26	24	34	48	59
23	*39	52				41	31	29	23	33	42	54
24	*39	57				39	31	27	21	31	44	53
25	*41	58				40	31	29	25	35	45	47
26	*42	55				39	31	32	26	35	41	50
27	*45	57				39	31	31	24	35	46	45
28	*44	53				39	31	32	27	39	40	47
29	*45	56				37	30	32	27	34	42	47
30	46	53				39	30	28	26	36	91	45
31	46	-				37	-	30	26	-	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	1,306	46	39	42.1	2,590
November	1,515	61	42	50.5	3,000
1936					
May	1,309	49	37	42.2	2,600
June	998	38	30	33.3	1,980
July	907	32	26	29.3	1,800
August	824	31	21	26.6	1,630
September	1,036	39	29	34.5	2,050
October	1,351	91	32	43.6	2,680
November	1,511	67	45	50.4	3,000
The period					15,740

*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 1936, irrigation seasons only.

Remarks.- Records good.

Discharge, in second-feet, 1935-36

Day	Oct.	Nov.				May	June	July	Aug.	Sept.	Oct.	Nov.
1	52	60				67	53	39	36	33	42	90
2	56	60				65	53	38	34	37	41	78
3	56	60				65	53	39	34	38	43	71
4	52	60				66	50	38	33	38	43	67
5	56	57				67	49	37	34	38	43	69
6	53	58				66	49	37	32	38	45	66
7	54	58				63	52	36	32	37	43	69
8	54	61				62	49	36	34	37	41	65
9	53	63				60	47	36	36	37	39	66
10	53	64				57	47	38	36	37	41	66
11	50	64				60	49	38	36	38	38	66
12	53	63				59	47	37	34	41	39	66
13	54	61				59	46	38	33	41	39	66
14	56	61				59	46	41	34	41	41	66
15	56	63				57	46	39	33	41	42	66
16	56	64				57	45	38	33	41	57	66
17	50	67				59	43	37	32	42	71	66
18	50	74				59	42	34	32	39	63	65
19	52	69				57	42	34	31	41	69	62
20	52	69				54	43	34	33	42	63	62
21	53	69				54	43	33	33	42	60	63
22	56	68				54	41	33	31	41	59	67
23	50	71				54	42	34	28	41	56	72
24	50	68				54	41	34	28	42	52	69
25	53	71				56	41	36	32	41	52	67
26	53	71				56	39	38	32	41	52	66
27	56	72				54	41	42	31	39	53	65
28	54	67				54	39	41	33	41	52	65
29	56	67				52	41	41	36	41	63	66
30	58	67				50	39	38	33	38	119	69
31	58	-				52	-	37	34	-	101	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	1,665	58	50	53.7	3,300
November	1,947	74	57	64.9	3,860
1936					
May	1,808	67	50	58.3	3,590
June	1,358	53	39	45.3	2,690
July	1,151	42	33	37.1	2,280
August	1,023	36	28	33.0	2,030
September	1,184	42	33	39.5	2,350
October	1,662	119	38	53.6	3,300
November	2,027	90	62	67.6	4,020
The period					20,260

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 1936.

Average discharge.- 17 years, 141 second-feet.

Extremes.- Maximum discharge during year, 1,280 second-feet Feb. 15 (gage height, 5.26 feet); minimum, 25 second-feet Aug. 24 (gage height, 1.66 feet).
1919-36: Maximum discharge, about 18,000 second-feet Feb. 16, 1927 (gage height, 11.5 feet); minimum, 25 second-feet Aug. 18, 1929, and Aug. 24, 1936.

Remarks.- Records good. Diversions and regulation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	50	68	75	78	128	106	68	47	39	33	29
2	51	51	68	75	206	118	94	66	51	38	31	31
3	52	52	69	72	379	112	92	63	49	37	31	32
4	50	54	69	79	139	104	112	66	47	39	29	34
5	51	55	68	77	116	102	128	65	47	39	30	33
6	51	52	69	74	108	100	100	63	47	37	30	33
7	51	52	68	74	106	98	92	59	49	36	30	34
8	51	56	71	72	100	96	90	58	49	36	31	32
9	51	54	65	71	100	100	90	61	46	34	32	32
10	47	55	66	74	98	100	88	58	49	36	31	29
11	46	56	66	71	146	100	88	58	46	36	31	31
12	50	52	68	72	606	98	88	58	48	35	30	33
13	48	54	69	74	718	98	90	54	46	35	30	34
14	47	52	68	71	552	100	85	54	46	36	29	34
15	50	55	69	70	670	102	85	58	45	34	29	34
16	50	58	68	72	397	100	83	58	45	32	29	34
17	45	58	68	68	324	102	83	59	45	30	28	34
18	46	66	66	68	231	100	83	58	44	29	28	33
19	45	65	68	70	210	100	79	56	43	28	28	33
20	48	61	69	71	165	94	83	54	43	26	27	33
21	51	63	71	67	157	92	81	51	43	27	27	34
22	47	65	71	70	155	85	83	51	43	26	29	33
23	47	66	69	70	199	79	81	49	43	26	28	34
24	46	68	69	70	180	81	75	51	43	26	25	33
25	43	68	69	65	148	85	77	49	42	27	29	34
26	45	69	71	67	144	77	75	47	40	29	29	34
27	47	69	69	70	140	74	74	46	42	31	29	34
28	42	68	69	68	137	72	74	44	41	32	30	35
29	43	68	74	67	133	70	68	46	41	34	30	34
30	45	68	93	67	-	75	66	49	41	33	30	34
31	47	-	79	65	-	118	-	49	-	32	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,483	52	42	47.8	2,940
November	1,780	69	50	59.3	3,530
December	2,164	93	65	69.8	4,290
Calendar year 1935	26,214	309	28	71.8	51,990
January	2,196	79	65	70.8	4,360
February	6,842	718	78	236	13,570
March	2,960	128	70	95.5	5,870
April	2,593	128	66	86.4	5,140
May	1,726	68	44	55.7	3,420
June	1,351	51	40	45.0	2,680
July	1,015	39	26	32.7	2,010
August	913	33	25	29.5	1,810
September	991	35	29	33.0	1,970
Water year 1935-36	26,014	718	25	71.1	51,590

Santa Ana River at Santa Ana, Calif.

Location.- Water-stage recorder, lat. 33°45'0", long. 117°54'20", in Las Bolsas land grant, and one-eighth of a mile above Fifth Street Bridge, Santa Ana, Orange County, 2 miles below junction with Santiago Creek. Altitude, about 80 feet.

Records available.- January 1923 to September 1936.

Average discharge.- 13 years, 11.6 second-feet.

Extremes.- Maximum discharge during year, 580 second-feet Feb. 12 (gage height, 1.84 feet); no flow for several months.
1923-36: Maximum discharge, about 25,000 second-feet Feb. 16, 1927; no flow for several months each year.

Remarks.- Records fair. For storage and diversions see record for Santa Ana River near San Bernardino. In addition, entire flow of the Santa Ana River during irrigation season is diverted near Olive by Anaheim Union and Santa Ana Valley Irrigation companies. Anaheim Union canal diverts about 22 miles above and Santa Ana Valley Irrigation Co. canal about 28 miles above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0			0	0	*0.1					
2		0			0	0	* .2					
3		0			14	0	0					
4		0			7	0	0					
5		0			1.0	0	0					
6		0			0	0	0					
7		0			0	0	0					
8		0			0	0	0					
9		0			0	0	0					
10		0			0	0	0					
11		0			0	0	0					
12		0			102	0	0					
13		0			206	0	0					
14		0			217	0	0					
15		0			191	0	0					
16		0			129	0	0					
17		0			42	0	0					
18		*5			*25	0	0					
19		*8			*10	0	0					
20		0			*4.7	0	0					
21		0			*3.5	0	0					
22		0			*2.0	0	0					
23		0			*1.0	0	0					
24		0			*.5	0	0					
25		0			*.2	0	0					
26		0			*.1	0	0					
27		0			*.1	0	0					
28		0			0	0	0					
29		0			0	0	0					
30		0			-	0	0					
31		-			-	*.1	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	13	8	0	.43	26
December	0	0	0	0	0
Calendar year 1935	641.5	105	0	1.76	1,270
January	0	0	0	0	0
February	956.1	217	0	33.0	1,900
March	.1	.1	0	.003	.2
April	.3	.2	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 1935-36	969.5	217	0	2.65	1,930

*Estimated.

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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 1936.

Average discharge.- Southern California Edison Co.'s canal, 34 years (1896-98, 1904-36), 50.6 second-feet. Greenspot pipe line, 25 years (1911-36), 5.56 second-feet.

Extremes.- 1896-1936: Maximum mean daily canal discharge, 97 second-feet Mar. 16, 1905; no flow for 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 2, 2 3/4 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 discharge of canal and pipe line in following tables gives total flow of canal above forebay.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	28	22	22	26	47	39	45	39	39	37	35
2	30	26	22	22	30	47	43	43	39	39	39	35
3	32	22	22	22	22	50	43	47	39	39	43	39
4	32	26	24	22	28	47	81	47	37	39	41	41
5	34	26	24	21	26	47	71	45	32	41	41	39
6	32	28	24	21	22	43	61	47	34	41	43	39
7	32	28	24	21	21	45	61	41	35	41	43	39
8	32	28	22	21	22	43	61	43	35	43	45	39
9	34	26	22	22	22	43	66	41	35	43	43	37
10	34	26	22	22	21	41	81	45	35	43	39	39
11	32	26	24	22	26	39	81	47	37	43	37	39
12	35	26	24	21	0	39	40	45	37	43	39	39
13	34	26	24	21	0	39	40	45	37	41	35	41
14	34	28	24	21	41	39	40	45	37	37	37	41
15	34	28	24	22	34	37	40	45	37	39	39	39
16	28	26	24	22	37	37	40	43	37	43	41	37
17	21	26	22	22	0	35	40	45	37	41	43	37
18	28	28	24	22	41	35	40	43	37	45	41	37
19	28	28	22	22	0	34	71	43	37	43	43	37
20	28	24	24	22	41	34	71	41	37	43	43	39
21	30	24	22	22	56	37	71	43	39	43	43	35
22	26	24	22	22	35	39	71	43	37	43	41	34
23	32	26	22	21	43	37	66	39	39	41	41	34
24	34	24	24	22	43	34	66	39	39	41	37	35
25	35	24	22	22	76	32	56	37	39	41	37	35
26	35	22	22	22	71	35	47	39	39	41	37	37
27	34	22	21	22	66	35	47	37	39	41	41	41
28	34	22	22	22	61	35	47	41	39	39	39	37
29	30	24	22	24	56	35	45	39	39	37	37	39
30	28	24	22	22	-	35	45	39	39	37	37	37
31	26	-	22	22	-	52	-	41	-	39	35	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	968	35	21	31.2	1,920
November	766	28	22	25.5	1,520
December	707	24	21	22.8	1,400
Calendar year 1935	14,396.7	81	17.5	39.4	28,550
January	676	24	21	21.8	1,340
February	967	76	0	33.3	1,920
March	1,227	52	32	39.6	2,430
April	1,671	81	39	55.7	3,310
May	1,323	47	37	42.7	2,620
June	1,118	39	32	37.3	2,220
July	1,269	45	37	40.9	2,520
August	1,237	45	35	39.9	2,450
September	1,132	41	34	37.7	2,250
Water year 1935-36	13,061	81	0	35.7	25,900

Discharge, in second-feet, of Greenspot pipe line near Mentone, Calif., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	6	6	4.5	4.5	4.5	4.5	6	9	7.5	9	9
2	9	6	6	4.5	4.5	4.5	4.5	6	9	7.5	9	9
3	9	6	6	4.5	4.5	4.5	4.5	6	9	9	9	9
4	9	6	6	4.5	4.5	4.5	4.5	6	9	9	9	9
5	9	6	6	4.5	4.5	4.5	4.5	6	9	9	9	9
6	9	6	6	4.5	4.5	4.5	4.5	9	9	9	9	9
7	9	6	6	4.5	4.5	4.5	4.5	9	9	9	9	9
8	9	6	6	4.5	4.5	4.5	4.5	9	9	9	9	9
9	9	6	6	4.5	4.5	4.5	4.5	7	9	9	9	9
10	9	6	6	4.5	4.5	4.5	4.5	7	9	9	9	9
11	9	6	4.5	4.5	4.5	4.5	4.5	7	9	9	9	9
12	9	6	4.5	4.5	0	4.5	4.5	7	9	9	9	9
13	9	6	4.5	4.5	0	4.5	4.5	7	9	9	9	9
14	9	6	4.5	4.5	4.5	4.5	4.5	7	9	9	9	9
15	9	6	4.5	4.5	4.5	4.5	4.5	7	9	9	9	9
16	9	6	4.5	4.5	4.5	4.5	0	7	9	9	9	9
17	9	6	4.5	4.5	0	4.5	0	7	9	9	9	9
18	9	6	4.5	4.5	4.5	4.5	0	7	9	9	9	9
19	9	6	4.5	4.5	0	4.5	0	7	9	9	9	9
20	9	6	4.5	4.5	4.5	4.5	0	7	9	9	9	9
21	9	6	4.5	4.5	4.5	4.5	0	5.5	7.5	9	9	9
22	9	6	4.5	4.5	4.5	4.5	0	5.5	7.5	9	9	9
23	9	6	4.5	4.5	4.5	4.5	0	7	7.5	9	9	9
24	9	6	4.5	4.5	4.5	4.5	0	7	7.5	9	9	9
25	9	6	4.5	4.5	4.5	4.5	7	7	7.5	9	9	7
26	9	6	4.5	4.5	4.5	4.5	6	7	7.5	9	9	7
27	9	6	4.5	4.5	4.5	4.5	6	7	7.5	9	9	7
28	9	6	4.5	4.5	4.5	4.5	6	9	7.5	9	9	7
29	9	6	4.5	4.5	4.5	4.5	6	9	7.5	9	9	8
30	9	6	4.5	4.5	-	4.5	6	9	7.5	9	9	8
31	9	-	4.5	4.5	-	4.5	-	9	-	9	9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	279.0	9	9	9.0	553
November	180.0	6	6	6.0	357
December	154.5	6	4.5	4.98	306
Calendar year 1935	2,501.0	9	0	6.85	4,960
January	139.5	4.5	4.5	4.50	277
February	112.5	4.5	0	3.88	223
March	139.5	4.5	4.5	4.50	277
April	104.5	7	0	3.48	207
May	223.0	9	5.5	7.19	442
June	255.0	9	7.5	8.50	506
July	276.0	9	7.5	8.90	547
August	279.0	9	9	9.00	553
September	260.0	9	7	8.67	516
Water year 1935-36	2,402.5	9	0	6.56	4,760

Mill Creek near Craftonville, Calif.

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

Records available.- January 1919 to September 1936.

Average discharge.- 17 years, 9.87 second-feet. Average combined discharge, river and canals, 17 years, 33.0 second-feet.

Extremes.- Maximum discharge during year, 1,700 second-feet Feb. 11 (gage height, 3.50 feet); no flow for several months.
1919-36: 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 poor. Daily discharge estimated Feb. 3, 24, 25, and Mar. 24. 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 the sum of flow in creek and three canals.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0				1.3	0	1.3	18		0	0	
2	0				31	0	0	18		0	2.0	
3	0				2.0	0	1.1	21		0	1.5	
4	0				0	0	17	22		0	0	
5	0				0	0	6	17		0	0	
6	0				0	0	5	17		0	0	
7	0				0	0	2.6	15		0	0	
8	0				0	0	2.4	8		0	0	
9	0				0	0	1.4	3.8		0	0	
10	0				0	0	.9	2.9		.5	0	
11	0				359	0	4.0	2.6		0	0	
12	0				81	0	8.5	7		0	0	
13	0				67	0	11	12		0	0	
14	0				28	0	14	8.5		0	0	
15	0				28	0	15	4.7		0	4.7	
16	0				37	0	16	13		0	2.8	
17	0				20	0	14	15		1.6	0	
18	1.1				15	0	17	16		3.2	0	
19	0				18	0	15	7.5		1.3	0	
20	0				9.5	0	11	1.1		0	0	
21	0				8.5	.2	12	1.3		0	0	
22	0				7	13	13	1.6		0	0	
23	0				34	3.5	13	1.3		0	0	
24	0				10	1.0	14	.9		0	0	
25	0				2.0	0	11	.3		0	0	
26	0				0	0	8	0		0	0	
27	0				0	0	8	0		0	0	
28	0				0	0	14	0		0	0	
29	0				0	0	19	0		0	0	
30	0				-	.4	19	0		0	0	
31	0				-	5.5	-	0		0	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1.1	1.1	0	0.04	2.2
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	1,168.7	61	0	3.20	2,320
January	0	0	0	0	0
February	758.3	359	0	26.1	1,500
March	23.6	13	0	.76	47
April	294.2	19	0	9.81	584
May	235.5	22	0	7.60	467
June	0	0	0	0	0
July	6.6	3.2	0	.21	13
August	11.0	4.7	0	.35	22
September	0	0	0	0	0
Water year 1935-36	1,330.3	359	0	3.63	2,640

Combined discharge, in second-feet, of Mill Creek and canals near Craftonville, Calif., for the water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	19.7	17.8	17.3	24	23	33	46	39	27	24	22
2	21	20	18.0	17.3	51	26	33	46	39	26	30	22
3	22	20	18.1	15.9	19.8	25	33	49	39	26	30	22
4	22	20	19.2	16.9	15.0	26	48	50	38	24	28	22
5	20	20	19.1	16.6	14.5	26	36	47	37	24	27	22
6	20	20	19.0	16.6	13.4	25	35	48	37	24	28	21
7	20	19.7	18.6	16.3	13.4	26	35	46	36	23	27	20
8	19.5	19.7	18.6	16.3	13.2	26	35	43	36	24	28	20
9	19.1	19.5	18.5	16.6	13.1	27	36	42	36	26	25	19.9
10	18.7	17.7	18.5	16.6	13.6	27	39	45	34	27	24	19.8
11	18.3	18.5	18.5	16.6	373	27	40	44	33	26	22	19.8
12	18.6	19.6	18.5	15.8	94	29	40	46	33	26	22	19.7
13	18.7	19.7	18.3	16.7	84	29	41	44	32	26	21	19.7
14	19.0	19.5	18.1	16.5	44	28	43	42	32	26	20	19.7
15	19.1	19.5	18.0	16.2	43	30	44	44	32	25	26	19.7
16	19.2	19.4	17.9	16.3	53	30	46	44	32	25	26	19.2
17	19.2	19.3	17.9	16.5	37	30	46	43	31	24	25	19.2
18	18.1	17.8	17.9	16.3	34	30	46	46	30	26	23	19.2
19	18.6	19.5	17.9	15.7	35	30	45	43	28	28	23	19.0
20	17.8	19.9	17.9	15.5	29	30	44	43	29	25	22	22
21	16.6	19.6	17.9	15.4	30	32	46	43	28	23	22	22
22	18.4	19.7	17.9	15.7	30	43	46	42	28	22	23	20
23	20	20	17.2	15.8	54	35	46	41	28	21	24	19.7
24	20	19.9	17.3	16.2	27	31	48	40	28	22	24	19.1
25	22	19.8	17.3	16.2	24	30	49	39	26	22	24	19.1
26	20	19.1	17.3	16.2	22	31	48	40	26	24	23	19.1
27	19.6	18.8	17.3	15.8	23	32	47	40	28	25	24	18.9
28	19.8	18.3	17.3	15.8	24	30	50	39	28	24	24	18.6
29	20	18.2	18.2	16.4	24	30	48	39	28	22	21	18.3
30	20	17.8	18.0	16.7	-	30	48	39	27	23	19.7	19.1
31	19.7	-	17.5	16.2	-	36	-	40	-	24	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	606	22	16.6	19.5	1,200
November	580.2	20	17.7	19.3	1,150
December	559.5	19.2	17.2	18.0	1,110
Calendar year 1935	10,397.2	83	7.6	28.5	20,610
January	504.9	17.3	15.4	16.3	1,000
February	1,275	373	13.1	44.0	2,530
March	910	43	23	29.4	1,800
April	1,274	50	33	42.5	2,530
May	1,343	50	39	43.3	2,660
June	958	39	26	31.9	1,900
July	760	28	21	24.5	1,510
August	750.7	30	19.7	24.2	1,490
September	601.8	22	18.3	20.1	1,190
Water year 1935-36	10,123.1	373	13.1	27.7	20,070

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 1936.

Average discharge.- 17 years, 20.8 second-feet.

Extremes.- 1919-36: 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 no. 2. The canals serve power plants 2 and 3, which discharge into a common tailrace. Records furnished by Southern California Edison Co., Ltd.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	19.3	17.8	17.0	21	21	29	28	33	25	22	20
2	21	19.6	17.8	17.0	19.4	24	30	28	33	24	27	21
3	21	20	17.6	15.7	13.5	23	30	28	33	24	26	20
4	21	20	18.5	16.8	13.8	24	30	28	33	23	25	21
5	20	19.8	18.5	16.5	14.2	25	30	29	33	23	25	21
6	19.8	19.8	18.5	16.5	13.2	24	30	30	33	23	26	20
7	19.8	19.3	18.1	16.2	13.2	25	30	29	33	22	25	19.4
8	19.0	19.3	18.1	16.2	13.0	25	30	30	33	23	26	19.4
9	18.6	19.1	18.1	16.5	13.0	26	30	30	33	24	24	19.1
10	18.2	17.6	18.1	16.5	13.5	26	30	30	32	24	23	19.1
11	17.8	18.2	18.1	16.5	13.1	26	29	30	31	24	21	19.1
12	18.1	19.3	18.1	15.7	13.2	28	28	31	31	24	21	19.1
13	18.2	19.3	17.9	16.7	17.0	28	29	31	30	24	20	19.1
14	18.5	18.9	17.7	16.5	16.4	27	29	30	30	23	19.6	19.1
15	18.6	18.9	17.7	16.2	14.9	28	29	30	30	23	21	19.1
16	18.8	18.9	17.7	16.2	16.1	29	30	27	30	23	21	18.7
17	18.8	18.6	17.7	16.4	17.2	29	32	24	29	21	24	18.7
18	16.4	17.4	17.7	16.2	17.4	28	29	28	28	22	22	18.7
19	18.2	19.1	17.7	15.5	15.6	29	30	32	27	24	22	18.4
20	17.4	19.3	17.7	15.0	18.1	29	30	32	27	22	21	22
21	16.2	18.9	17.7	15.0	18.5	30	30	32	27	21	21	21
22	18.0	18.9	17.7	15.3	19.1	30	29	33	27	20	22	19.5
23	19.9	19.3	17.0	15.4	18.7	29	29	33	26	19.4	22	19.2
24	20	19.3	17.0	15.8	16.8	28	29	33	26	19.8	22	18.6
25	21	19.3	17.0	15.8	18.1	27	30	33	25	20	22	18.6
26	19.6	18.8	17.0	15.8	18.0	28	29	33	25	22	22	18.6
27	19.2	18.6	17.0	15.4	18.6	29	30	33	26	23	22	18.4
28	19.4	18.2	17.0	15.4	21	27	31	33	26	22	22	18.1
29	19.8	18.2	17.6	16.0	21	28	29	33	26	20	19.5	17.8
30	19.6	17.8	17.6	16.3	-	27	29	33	25	21	18.8	18.6
31	19.3	-	17.2	15.8	-	30	-	33	-	22	19.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	592.2	21	16.2	19.1	1,170
November	569.0	20	17.4	19.0	1,130
December	548.9	18.5	17.0	17.7	1,090
Calendar year 1935	8,244.2	32	6.2	22.6	16,360
January	497.8	17.0	15.0	16.1	987
February	476.6	21	13.0	16.4	945
March	837	30	21	27.0	1,660
April	889	32	28	29.6	1,760
May	947	33	24	30.5	1,880
June	881	33	25	29.4	1,750
July	695.2	25	19.4	22.4	1,380
August	694.7	27	18.8	22.4	1,380
September	580.4	22	17.8	19.3	1,150
Water year 1935-36	8,208.8	33	13.0	22.4	16,280

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 1936.

Average discharge.- 17 years, 2.50 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 1 water is distributed for irrigation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.4	0	0.3	1.2	2.1	2.5	0	6.0	1.8	1.7	1.5
2	.4	.4	.2	.3	.2	2.1	3.1	0	5.8	1.5	1.3	1.5
3	.6	.4	.5	.2	4.3	1.8	2.0	0	5.8	1.5	2.4	1.5
4	.6	.4	.7	.1	1.2	1.5	.5	0	5.1	1.4	3.4	1.5
5	.5	.4	.6	.1	.3	1.3	0	1.2	4.0	1.3	2.3	1.4
6	.5	.4	.5	.1	.2	1.3	0	1.4	4.0	1.4	1.5	1.0
7	.5	.4	.5	.1	.2	1.2	2.2	1.7	3.4	1.4	2.1	.9
8	.5	.4	.5	.1	.2	1.2	2.2	4.0	3.3	1.4	2.1	.9
9	.5	.4	.4	.1	.1	1.3	5.0	8.2	3.0	2.3	1.3	.8
10	.5	.1	.4	.1	.1	1.3	7.7	12.2	2.3	2.6	1.2	.7
11	.5	.3	.4	.1	.8	1.4	6.6	11.9	2.1	2.2	1.0	.7
12	.5	.3	.4	.1	0	1.4	3.3	7.6	2.1	1.5	.9	.6
13	.5	.4	.4	0	0	1.4	1.3	.5	1.9	2.2	.9	.6
14	.5	.6	.4	0	0	1.5	.2	4.0	1.8	2.5	.9	.6
15	.5	.6	.3	0	0	1.5	.5	8.8	1.9	2.2	.4	.6
16	.4	.5	.2	.1	0	1.5	0	3.7	1.8	2.3	1.9	.5
17	.4	.7	.2	.1	0	1.5	0	4.4	1.7	1.3	1.4	.5
18	.6	.4	.2	.1	1.4	1.5	.2	1.9	1.5	.3	1.2	.5
19	.4	.4	.2	.2	1.0	1.4	0	3.6	1.5	2.3	.9	.6
20	.4	.6	.2	.5	1.2	1.5	3.4	10.2	1.7	2.8	.9	.5
21	.4	.7	.2	.4	3.1	1.9	3.8	9.3	1.4	1.9	1.0	.5
22	.4	.8	.2	.4	3.5	0	3.7	7.7	1.5	1.8	1.2	.5
23	.5	.8	.2	.4	1.3	2.2	4.2	6.6	1.5	1.7	2.3	.5
24	.5	.6	.3	.4	0	2.1	4.6	6.0	1.5	1.7	2.2	.5
25	.5	.5	.3	.4	3.6	3.4	7.6	6.0	1.5	1.7	1.8	.5
26	.5	.3	.3	.4	4.5	3.0	10.5	6.6	1.5	1.9	1.4	.5
27	.4	.2	.3	.4	4.5	2.6	9.4	6.6	1.7	2.3	1.8	.5
28	.4	.1	.3	.4	3.4	2.5	5.0	6.4	2.3	2.1	1.8	.5
29	.4	0	.6	.4	3.0	2.3	0	6.0	2.2	1.9	1.5	.5
30	.4	0	.4	.4	-	2.2	0	6.4	2.2	1.7	.9	.5
31	.4	-	.3	.4	-	0	-	6.9	-	2.1	1.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14.3	0.6	0.2	0.46	28
November	12.5	.8	0	.42	25
December	10.6	.7	0	.34	21
Calendar year 1935	979.9	22	0	2.68	1,940
January	7.1	.5	0	.23	14
February	39.3	4.5	0	1.36	78
March	51.9	3.4	0	1.67	103
April	89.5	10.5	0	2.98	178
May	160.6	12.2	0	5.18	319
June	78.0	6.0	1.4	2.60	155
July	57.0	2.6	.3	1.84	113
August	46.9	3.4	.4	1.51	93
September	22.4	1.5	.5	.75	44
Water year 1935-36	590.1	12.2	0	1.61	1,170

Plunge Creek near East Highlands, Calif.

Location.- Water-stage recorder, lat. 34°7'10", long. 117°8'30", 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 1936.

Average discharge.- 17 years, 5.41 second-feet.

Extremes.- Maximum discharge during year, 512 second-feet Feb. 11 (gage height, 2.60 feet); no flow for several months.
1919-36: 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 estimated Apr. 26-30.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	0.1	3.3	13	16					
2			0	.1	130	12	14					
3			0	.1	17	9	15					
4			0	.1	5.5	8	75					
5			0	.1	3.0	7	42					
6			0	.1	2.2	6.5	31					
7			0	.1	1.8	6	26					
8			0	.1	1.5	5	24					
9			0	.1	1.3	5	21					
10			0	.1	1.2	4.7	19					
11			0	.1	95	4.5	17					
12			0	.1	68	4.5	15					
13			0	.1	123	3.9	14					
14			0	.1	84	3.4	14					
15			0	.1	97	2.2	12					
16			0	.1	156	1.9	11					
17			0	.1	68	1.8	10					
18			0	.1	60	1.8	9					
19			0	.1	60	1.6	9					
20			.1	.1	46	1.5	9					
21			.1	.1	35	1.6	8.5					
22			.1	.1	29	17	8					
23			.1	.1	116	6.5	4.7					
24			.1	.1	52	5.5	3.6					
25			.1	.1	36	7	2.0					
26			.1	.1	28	5.5	1.5					
27			.1	.1	23	5.5	1.0					
28			.1	.1	20	5.5	.8					
29			.1	.1	16	6	.4					
30			.1	.1	-	6.5	.2					
31			.1	.1	-	24	-					

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	1.2	.1	0	.04	2.4
Calendar year 1935	1,930.6	70	0	5.29	3,830
January	3.1	.1	.1	.10	6.1
February	1,378.8	156	1.2	47.5	2,730
March	193.9	24	1.5	6.25	385
April	433.7	75	.2	14.5	860
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 1935-36	2,010.7	156	0	5.49	3,980

San Timoteo Creek near Redlands, Calif.

Location.- Water-stage recorder, lat. 34°1'55", long. 117°12'30", in NW¼NW¼ sec. 4, T. 2 S., R. 3 W., 2 miles southwest of Redlands. Altitude, about 1,260 feet.

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

Records available.- October 1926 to September 1936.

Average discharge.- 10 years, 1.51 second-feet.

Extremes.- Maximum discharge during year, 485 second-feet Feb. 12; no flow for several months.
1926-36: Maximum discharge (estimated), 3,000 second-feet Feb. 16, 1927; no flow for several months each year.

Remarks.- Record fair. Except during high water entire flow is diverted above station. Discharge estimated for Feb. 3-5, 14, 17, 18, 24-29, Mar. 23, 25.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0.1	0	0			0		
2					29	0	0			0		
3					.3	0	0			0		
4					.2	0	.5			0		
5					.1	0	.3			0		
6					.2	0	0			0		
7					.2	0	0			0		
8					.2	0	0			0		
9					.2	0	0			0		
10					.2	0	0			0		
11					3.6	0	0			0		
12					52	0	0			0		
13					45	0	0			0		
14					5	0	0			0		
15					73	0	0			0		
16					49	0	0			0		
17					5	0	0			0		
18					1.5	0	0			2.0		
19					.4	0	0			0		
20					.4	0	0			0		
21					.3	0	0			0		
22					.4	0	0			0		
23					14	.1	0			0		
24					2.0	.3	0			0		
25					.2	.1	0			0		
26					.1	0	0			0		
27					.1	0	0			0		
28					.1	0	0			0		
29					.1	0	0			0		
30					-	0	0			0		
31					-	5.5	-			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 1935	306.5	160	0	.84	608
January	0	0	0	0	0
February	282.9	73	.1	9.76	561
March	6.0	5.5	0	.19	12
April	.8	.5	0	.03	1.6
May	0	0	0	0	0
June	0	0	0	0	0
July	2.0	2.0	0	.06	4.0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	291.7	73	0	.80	579

Warm Creek near Colton, Calif.

Location.- Water-stage recorder, lat. 34°4'0", long. 117°18'30", in San Bernardino grant, at Colton Avenue highway bridge 1¼ miles east of Colton, San Bernardino County.

Records available.- August 1920 to September 1936.

Average discharge.- 16 years, 48.3 second-feet. Average combined discharge of Warm Creek and Meeks & Daley Canal, 16 years, 58.7 second-feet.

Extremes.- Maximum discharge during year, 605 second-feet Feb. 2 (gage height, 6.50 feet); minimum, 2.0 second-feet Sept. 8 (gage height, 0.63 foot).
1920-36: Maximum discharge, 2,780 second-feet Dec. 21, 1921; minimum, that of Sept. 8, 1936.

Remarks.- Records good. See record for Meeks & Daley Canal, which diverts above station. City of San Bernardino sewage-disposal plant discharged 3,150 acre-feet into Warm Creek above station during year. Discharge estimated Dec. 30 to Jan. 3, Apr. 12-14. Results of several discharge measurements furnished by city of San Bernardino.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	5.5	6	23	42	36	27	8.5	6	4.6	3.9	3.9
2	3.8	5	6	23	189	35	26	9	6	4.6	4.0	4.3
3	4.0	5	6	23	32	34	28	8	6	4.6	4.3	4.4
4	3.7	5.5	6	23	32	34	73	8	6.5	4.7	4.3	4.3
5	4.0	5.5	6	17	30	34	37	8.5	6.5	4.3	4.2	4.3
6	3.7	5.5	6	7	30	35	28	7.5	6	4.6	4.2	4.2
7	3.8	5.5	6	7.5	30	35	28	8	6	4.3	4.2	3.9
8	4.2	6	6	8	30	34	27	6.5	6	4.4	4.2	4.3
9	4.2	6	6	8	29	36	24	6.5	6	4.2	4.0	4.2
10	4.0	5.5	6	8	29	36	24	6	6	3.8	4.4	4.3
11	3.8	5.5	6	8	144	36	23	6.5	6	3.8	3.9	4.2
12	4.0	6	6	8	157	36	19	6	5.5	4.0	4.2	4.2
13	4.0	5.5	6	8	190	34	12	6	5	4.6	3.9	3.9
14	4.0	5.5	6	8.5	107	33	12	6	5	4.4	3.9	4.2
15	4.0	5.5	6	8.5	128	32	12	6	5.5	4.3	3.8	4.2
16	3.5	5.5	6	8.5	89	32	12	6	5.5	4.3	3.7	4.2
17	3.8	5.5	6	9	55	31	12	6.5	5	4.0	4.2	4.3
18	4.4	5.5	6.5	9	66	30	12	7	4.9	3.7	4.0	4.0
19	3.7	5.5	6	8.5	52	24	11	6.5	4.4	3.6	4.0	4.0
20	2.9	5.5	6.5	9	46	18	11	5.5	3.9	4.2	3.8	3.8
21	3.2	6	6.5	8	43	17	12	6	4.2	4.4	4.2	3.8
22	3.4	6	6	8	42	19	11	6	4.7	5	4.3	3.8
23	3.8	6	6	7.5	72	16	10	6	4.7	4.4	3.9	3.9
24	4.4	6	6	8	48	32	9.5	6	4.4	4.9	4.0	3.9
25	4.6	6	6	7	46	19	10	6.5	4.2	4.9	4.2	3.7
26	5	6	6	7	40	21	9	6.5	4.7	4.7	4.0	3.7
27	5	6	6.5	8	39	20	10	6	4.7	4.9	3.9	3.6
28	5.5	6	6.5	7	38	19	10	6	4.4	4.6	3.9	3.9
29	5.5	6	23	7	37	17	9	6	4.6	4.4	4.0	4.2
30	5.5	6	23	7.5	-	25	8.5	6	4.6	4.3	3.8	3.9
31	5.5	-	23	8	-	39	-	6	-	4.3	4.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	128.7	5.5	2.9	4.15	255
November	170.5	6	5	5.68	338
December	239.5	23	6	7.73	475
Calendar year 1935	6,562.0	137	2.9	18.0	13,020
January	315.5	23	7	10.2	626
February	1,912	189	29	65.9	3,790
March	899	39	16	29.0	1,780
April	557	73	8.5	18.6	1,100
May	205.5	9	5.5	6.63	408
June	156.9	6.5	3.9	5.23	311
July	135.8	4.9	3.6	4.38	269
August	125.5	4.4	3.7	4.05	249
September	121.5	4.4	3.6	4.05	241
Water year 1935-36	4,967.4	189	2.9	13.6	9,840

Combined discharge, in second-feet, of Warm Creek and Meeks & Daley Canal near Colton, Calif., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	23	23	23	60	36	31	26	23	21	19.1	16.9
2	22	22	23	23	196	35	33	27	23	21	19.5	17.5
3	22	22	23	23	32	34	34	26	23	21	19.5	17.6
4	22	23	23	23	32	34	76	26	23	20	19.7	17.6
5	21	23	23	24	30	34	39	26	23	20	19.4	17.9
6	22	23	24	25	30	35	31	24	23	20	19.4	17.5
7	22	23	23	25	30	35	32	24	23	19.4	19.0	16.8
8	22	24	23	26	30	34	31	24	23	19.6	19.4	16.7
9	22	24	22	26	29	36	32	24	23	19.7	19.0	16.6
10	22	23	23	26	29	36	31	23	23	19.4	18.5	16.8
11	21	23	23	26	144	36	32	23	23	19.4	18.0	17.5
12	22	24	23	26	157	36	31	22	22	19.2	18.3	17.4
13	22	23	23	26	192	36	29	22	22	21	18.0	17.2
14	22	21	23	26	109	38	29	21	22	21	17.8	17.5
15	22	21	23	26	128	36	30	22	23	20	17.4	17.6
16	21	21	23	26	89	36	31	22	22	19.7	17.5	17.4
17	22	21	23	27	55	36	31	23	22	19.6	17.8	17.6
18	22	21	24	27	66	35	31	23	22	19.6	17.6	17.0
19	21	21	23	26	52	34	29	22	21	20	17.6	17.2
20	20	21	24	27	46	37	29	21	20	19.7	17.2	17.0
21	20	22	24	26	43	35	30	21	20	20	17.4	17.0
22	19.4	22	24	26	42	38	29	20	22	21	17.6	16.7
23	17.8	22	24	26	72	35	28	21	22	20	17.2	16.9
24	17.1	23	24	25	48	51	28	22	21	19.9	17.0	17.1
25	17.6	23	23	24	46	36	27	22	20	19.9	17.1	17.3
26	18.0	23	23	24	40	40	26	23	21	20	17.0	17.1
27	18.0	22	24	26	39	39	26	23	21	20	17.2	16.8
28	20	23	24	24	38	37	27	23	21	20	17.1	17.3
29	23	22	33	25	37	35	26	23	21	19.5	17.3	17.1
30	23	23	23	25	-	44	26	23	21	19.3	17.2	16.8
31	23	-	23	26	-	48	-	23	-	19.3	17.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	650.9	23	17.1	21.0	1,290
November	672	24	21	22.4	1,330
December	731	24	22	23.6	1,450
Calendar year 1935	11,084.9	137	17.1	30.4	21,980
January	784	27	23	25.3	1,560
February	1,941	196	29	66.9	3,850
March	1,147	51	34	37.0	2,280
April	945	76	26	31.5	1,870
May	715	27	20	23.1	1,420
June	659	23	20	22.0	1,310
July	619.2	21	19.2	20.0	1,230
August	558.9	19.7	17.0	18.0	1,110
September	515.4	17.9	16.6	17.2	1,020
Water year 1935-36	9,938.4	196	16.6	27.2	19,720

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 1936.

Average discharge.- 16 years (1920-36), 3.64 second-feet.

Extremes.- Maximum discharge during year, 212 second-feet Feb. 2 (gage height, 3.30 feet); minimum, less than 0.1 second-foot at times during October and November.

1919-36: Maximum discharge, 408 second-feet Jan. 2, 1922; practically no flow at times during 1929, 1931-35.

Remarks.- Records good. During year Del Rosa Water Co. diverted about 410 acre-feet above station. There is another small diversion for domestic use above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	-	0.1	0.5	4.8	5	5.5	1.6	0.8	0.4	0.1	0.2
2	-	-	.1	.5	33	4.8	4.0	1.3	.7	.4	.2	.2
3	-	-	.2	.5	8	4.6	.5	1.3	.7	.2	.2	.3
4	-	-	.1	.5	3.4	4.6	22	1.4	.7	.2	.2	.2
5	-	-	.1	.5	4.2	4.2	14	1.4	.7	.2	.2	.2
6	-	-	.1	.6	4.4	3.8	10	1.4	.6	.2	.2	.2
7	-	.1	.1	.5	3.8	3.7	7	1.4	.6	.2	.2	.1
8	-	.1	.1	.5	3.0	3.4	6	1.4	.6	.3	.2	.2
9	.2	.1	.1	.5	2.7	3.2	5	.9	.6	.4	.2	.3
10	-	.1	.1	.5	2.3	3.0	4.8	.8	.6	.3	.2	.1
11	-	.1	.1	.5	29	3.0	3.7	.8	.5	.2	.3	.2
12	-	.2	.1	.6	25	2.8	3.2	.8	.4	.2	.2	.2
13	-	-	.1	.5	70	2.8	3.0	.7	.4	.2	.2	.2
14	.1	-	.1	.5	60	3.0	2.8	.7	.4	.2	.2	.2
15	.1	.1	.2	.5	37	2.7	3.1	.8	.5	.2	.2	.2
16	-	.1	.2	.5	26	2.4	2.7	.7	.6	.4	.2	.2
17	.2	.1	.2	.5	20	2.4	2.5	.7	.4	.2	.2	.2
18	-	.1	.2	.5	23	2.5	2.5	.7	.4	.3	.2	.1
19	.1	.1	.2	.5	23	2.3	2.4	.7	.4	.2	.2	.1
20	.1	-	.4	.5	18	2.3	2.3	.7	.4	.2	.3	.2
21	-	-	.3	.5	14	3.0	2.2	.7	.4	.2	.1	.1
22	-	-	.3	.6	12	6	2.0	.8	.4	.3	.2	.1
23	-	-	.3	.5	19	3.1	2.2	.6	.4	.2	.2	.1
24	.2	-	.4	.5	14	3.8	1.8	.6	.5	.2	.2	.3
25	-	-	.5	.6	12	4.0	1.9	.6	.3	.2	.2	.1
26	-	-	.5	.5	9.5	3.7	1.7	.7	.3	.3	.2	.2
27	-	-	.5	.6	7.5	3.3	1.7	.8	.3	.2	.3	.1
28	-	-	.5	.7	6.5	3.1	2.0	.9	.3	.2	.1	.1
29	-	-	.7	.6	5.5	3.1	2.1	.7	.3	.2	.1	.1
30	-	-	.8	.6	-	3.2	1.7	.7	.3	.2	.2	.2
31	-	-	.7	.5	-	10	-	.8	-	.4	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2.56	0.2	-	0.08	5.1
November	2.61	.2	-	.09	5.2
December	8.4	.8	0.1	.27	17
Calendar year 1935	943.57	24	-	2.59	1,870
January	16.4	.7	.5	.53	33
February	500.6	70	2.3	17.3	993
March	112.8	10	2.3	3.64	224
April	130.8	22	1.7	4.36	259
May	28.1	1.6	.6	.91	56
June	14.5	.8	.3	.48	29
July	7.7	.4	.2	.25	15
August	6.1	.3	.1	.20	12
September	5.2	.3	.1	.17	10
Water year 1935-36	835.77	70	-	2.28	1,660

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

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.

Drainage area.- 4.55 square miles.

Records available.- November 1911 to October 1914, December 1919 to September 1936.

Average discharge.- 18 years (1912-14, 1920-36), 2.46 second-feet.

Extremes.- Maximum discharge during year, 182 second-feet Feb. 2 (gage height, 4.15 feet); minimum, less than 0.1 second-foot during July, August, and September.

1920-36: Maximum discharge, 182 second-feet Feb. 2, 1936; no flow at times during summers of 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.5	0.5	0.8	2.7	2.9	2.5	1.3	0.8	0.1		-
2	.4	.5	.5	.8	15	2.9	2.1	1.3	.8	-		-
3	.2	.6	.5	.8	4.1	2.9	2.7	1.3	.8	-		-
4	.2	.5	.6	.8	1.7	2.7	5.5	1.3	.8	-		0.2
5	.2	.5	.8	.8	1.6	2.7	4.1	1.1	.8	-		-
6	.2	.5	.8	.8	1.7	2.3	3.5	1.1	.8	-		-
7	.2	.5	.8	.8	1.8	2.1	2.9	1.1	.7	-		-
8	.2	.5	.8	.8	1.0	2.3	2.5	1.1	.7	-		-
9	.2	.5	.8	.8	.8	2.3	2.1	1.0	.5	.1		-
10	.2	.5	.8	.8	.8	2.1	1.8	1.0	.4	.3		-
11	.2	.5	.8	.8	9.5	2.1	1.8	1.0	.3	.3		-
12	.4	.5	.8	.8	9.5	2.1	1.7	.8	.3	.1		-
13	.4	.5	.7	.8	22	2.3	1.8	.8	.3	-		-
14	.7	.5	.7	.8	17	2.5	1.8	.8	.3	-		-
15	.5	.5	.7	.8	13	2.5	1.8	.8	.3	-		-
16	.4	.5	.7	.8	12	2.5	1.5	.8	.3	-		-
17	.2	.6	.7	.8	12	2.3	1.5	.8	.3	-		-
18	.2	.6	.7	.8	15	2.1	1.5	.8	.3	-		-
19	.2	.6	.7	.8	10	1.8	1.5	.7	.3	-		-
20	.3	.5	.8	.7	7	1.7	1.8	.7	.2	-		-
21	.4	.5	.8	.6	6	2.3	1.8	.7	.2	-		-
22	.2	.5	.8	.5	5.5	3.5	1.5	.5	.2	-		-
23	.3	.5	.8	.5	11	2.3	1.5	.5	.2	-		-
24	.4	.5	.8	.5	9	3.2	1.8	.5	.2	-		-
25	.4	.6	.8	.5	7.5	2.7	1.5	.7	.2	-		-
26	.4	.6	.8	.5	6	2.5	1.3	.7	.2	.2		-
27	.3	.5	.8	.5	4.5	1.8	1.3	.7	.2	.3		-
28	.3	.5	.8	.5	3.5	1.4	1.5	.7	.2	.2		-
29	.5	.5	1.2	.5	3.2	1.4	1.5	.7	.2	.1		-
30	.5	.5	.8	.5	-	2.1	1.3	.7	.2	-		-
31	.5	-	.8	.5	-	4.5	-	.8	-	-		-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9.9	0.7	0.2	0.32	20
November	15.6	.6	.5	.52	31
December	23.6	1.2	.5	.76	47
Calendar year 1935	675.6	23	.1	1.85	1,340
January	21.5	.8	.5	.69	43
February	214.4	22	.8	7.39	425
March	74.8	4.5	1.4	2.41	148
April	61.4	5.5	1.3	2.05	122
May	26.8	1.3	.5	.86	53
June	12.0	.8	.2	.40	24
July	3.05	-	-	.098	6.0
August	.57	-	-	.018	1.1
September	.79	-	-	.026	1.6
Water year 1935-36	464.41	22	-	1.27	922

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

City Creek near Highland, Calif.

Location.- Water-stage recorder, lat. 34°8'20", 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 1936.

Average discharge.- 17 years, 7.43 second-feet.

Extremes.- Maximum discharge during year, 580 second-feet Feb. 2 (gage height, 8.35 feet); no flow for several months.
1919-36: Maximum discharge, 2,360 second-feet Apr. 5, 1926; no flow for several months each year except 1923.

Remarks.- Records good. Discharge estimated Nov. 25, 26, Dec. 3, Dec. 29 to Jan. 2, and Jan. 15-20. See record for City Creek Water Co.'s canal, which diverts water above station. Combined discharge of City Creek and City Creek Water Co.'s canal is given on next page.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0.1	12	11	14	2.0	0.1			
2		0	0	.1	142	10	8	2.6	.1			
3		0	.1	.1	19	9	8	2.4	.1			
4		0	.1	.2	10	8.5	48	2.0	.1			
5		0	.1	.2	6.5	7.5	33	1.2	0			
6		0	0	.1	4.6	7	25	.4	0			
7		0	0	.1	3.3	7	19	.1	0			
8		0	0	.1	2.8	6	15	.1	0			
9		0	0	.3	1.7	5	12	.1	0			
10		0	0	.4	1.6	4.6	10	.1	0			
11		0	0	.5	76	4.3	10	.1	0			
12		0	0	.5	63	3.9	11	.1	0			
13		0	0	.5	129	3.5	10	.1	0			
14		0	0	.1	99	3.3	8.5	.1	0			
15		0	0	.1	106	3.9	7	.1	0			
16		0	0	.1	79	5	6.5	.1	0			
17		0	0	.1	51	5	6.5	.1	0			
18		0	0	.1	59	4.6	6.5	.1	0			
19		0	0	.1	60	5	6	.1	0			
20		0	0	.1	43	5	6	.1	0			
21		0	0	0	32	6.5	6	.1	0			
22		0	0	0	27	16	5.5	.1	0			
23		0	0	0	57	9.5	5.5	.1	0			
24		0	0	0	39	12	3.1	.1	0			
25		.1	0	0	30	14	1.8	.1	0			
26		.1	0	0	25	12	1.7	.1	0			
27		0	0	0	20	13	1.7	.1	0			
28		0	0	0	16	12	1.7	.1	0			
29		0	4.0	0	12	11	1.6	.1	0			
30		0	2.5	0	-	11	1.3	.1	0			
31		-	1.0	0	-	24	-	.1	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	.2	.1	0	.007	.4
December	7.8	4.0	0	.25	15
Calendar year 1935	2,113.9	64	0	5.79	4,190
January	3.9	.5	0	.13	7.7
February	1,226.5	142	1.6	42.3	2,430
March	260.1	24	3.3	8.39	516
April	299.9	48	1.3	10.0	595
May	13.1	2.6	.1	.42	26
June	.4	.1	0	.01	.8
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	1,811.9	142	0	4.95	3,590

Combined discharge, in second-feet, of City Creek and canal near Highland, Calif., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.7	1.5	2.2	14.1	14.4	15.5	7.5	4.4	1.0	0.2	0.1
2	1.2	.9	1.5	2.2	142	13.3	12.4	8.5	4.4	.8	.1	.1
3	1.0	1.0	1.6	2.2	19	12.7	11.2	8.1	4.9	.7	.1	.1
4	.7	1.0	1.9	2.2	10	12.4	48	7.4	4.4	.5	.1	.1
5	.6	.9	2.2	2.1	6.5	11.9	34	6.8	3.9	.4	.1	.2
6	.5	.9	2.1	2.0	5.3	11.3	28	6.4	3.6	.4	.1	.1
7	.5	.8	2.0	2.1	5.2	11.1	23	6.0	3.6	.4	.1	.1
8	.5	.8	1.9	2.0	4.9	9.9	17.9	5.7	3.4	.5	.1	.1
9	.4	1.0	1.9	2.1	4.9	9.0	14.3	5.4	2.9	.5	.2	.1
10	.4	1.1	1.9	2.2	4.2	8.6	12.9	5.3	2.4	.6	.3	.1
11	.5	1.3	1.9	2.2	76	8.2	12.0	4.9	2.2	.6	.2	.1
12	.7	1.4	1.9	2.2	63	7.3	11.0	4.8	2.2	.5	.2	.1
13	.8	1.4	2.0	2.1	129	6.2	10.2	4.7	2.0	.5	.2	.1
14	.9	1.4	2.1	1.8	99	5.9	9.4	4.5	1.9	.4	.1	.1
15	1.3	1.3	2.0	2.0	106	5.8	9.5	4.3	1.9	.2	.1	.1
16	.8	1.5	1.9	2.0	79	5.0	9.4	4.2	1.9	.2	.2	.1
17	.6	1.7	1.9	2.0	52	5.0	9.4	4.2	1.7	.2	.1	.1
18	.4	2.0	1.9	2.0	60	4.8	9.4	4.3	1.5	.3	.1	.1
19	.5	1.7	1.9	2.1	60	5.0	8.9	4.3	1.5	.5	.1	.1
20	.6	1.6	1.9	2.1	46	5.0	8.9	4.2	1.2	.4	.1	.1
21	.6	1.5	2.0	2.0	36	6.5	8.8	4.2	1.2	.3	.2	.1
22	.5	1.5	2.1	2.0	30	16	8.2	3.9	1.2	.2	.1	.1
23	.5	1.8	2.1	2.0	61	9.5	8.2	3.4	1.2	.1	.1	.1
24	.6	1.7	2.0	2.0	41	12	7.4	3.4	1.1	.1	.1	.1
25	.6	1.8	1.9	2.0	32	14	7.1	3.6	1.0	.2	.1	.1
26	.5	1.8	1.8	2.0	27	12	7.0	4.1	.8	.2	.1	.1
27	.5	1.5	1.7	2.0	23	13	7.0	4.4	.8	.3	.1	.1
28	.5	1.5	1.7	2.0	20	12	7.0	4.2	.8	.3	.1	.1
29	.6	1.5	4.9	2.1	15.8	11	6.9	4.1	.9	.3	.2	.1
30	.6	1.5	2.7	2.1	-	11	6.6	4.1	1.0	.3	.1	-
31	.7	-	2.3	2.1	-	24	-	4.4	-	.3	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	19.8	1.3	0.4	0.64	39
November	40.5	2.0	.7	1.35	80
December	63.1	4.9	1.5	2.04	125
Calendar year 1935					
January	64.1	2.2	1.8	2.07	127
February	1,271.9	142	4.2	43.9	2,520
March	313.8	24	4.8	10.1	622
April	389.5	48	6.6	13.0	773
May	155.3	8.5	3.4	5.01	308
June	65.9	4.9	.8	2.20	131
July	12.2	1.0	.1	.39	24
August	4.1	.3	.1	.13	8.1
September	3.1	.2	.1	.10	6.1
Water year 1935-36	2,403.3	142	.1	6.57	4,760

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

Location.- Water-stage recorder, lat. 34°8'35", long. 117°11'25" in NW¼ sec. 27, T. 1 N., R. 3 W., 1½ miles northeast of Highland.

Records available.- May 1924 to September 1936.

Average discharge.- 12 years, 1.84 second-feet.

Extremes.- Maximum discharge during year, 6.0 second-feet May 6 (gage height, 8.30 feet); no flow at various times.
1924-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	0.7	1.5	2.1	2.1	3.4	1.5	5.5	4.3	1.0	0.2	*0.1
2	1.2	.9	1.5	2.1	0	3.3	4.4	5.9	4.3	.8	.1	*.1
3	1.0	1.0	1.5	2.1	0	3.7	3.2	5.7	4.8	.7	.1	.1
4	.7	1.0	*1.8	2.0	0	3.9	.1	5.4	4.3	.5	.1	.1
5	.6	.9	2.1	1.9	0	4.4	1.3	5.6	3.9	.4	.1	*.2
6	.5	.9	2.1	1.9	.7	4.3	2.6	6.0	3.6	.4	.1	.1
7	.5	.8	2.0	2.0	1.9	4.1	3.9	5.9	3.6	.4	.1	.1
8	.5	.8	1.9	1.9	2.1	3.9	2.9	5.6	3.4	.5	.1	.1
9	.4	1.0	1.9	1.8	3.2	4.0	2.3	5.3	2.9	*.5	.2	.1
10	.4	1.1	1.9	1.8	2.6	4.0	2.9	5.2	2.4	*.6	.3	.1
11	.5	1.3	1.9	1.7	.4	3.9	2.0	4.8	2.2	*.6	.2	.1
12	.7	1.4	1.9	1.7	.1	3.4	0	4.7	2.2	*.5	.2	.1
13	.8	1.4	2.0	1.6	.3	2.7	.2	4.6	2.0	.5	.2	*.1
14	.9	1.4	2.1	1.7	.1	2.6	.9	4.4	1.9	.4	.1	*.1
15	1.3	1.3	2.0	1.9	.1	1.9	2.5	4.2	1.9	.2	.1	.1
16	.8	1.5	1.9	1.9	.1	0	2.9	4.1	1.9	.2	.2	*.1
17	.6	1.7	1.9	1.9	1.1	0	2.9	4.1	1.7	.2	.1	.1
18	.4	2.0	1.9	1.9	1.1	.2	2.9	4.2	1.5	.3	.1	*.1
19	.5	1.7	1.9	2.0	0	0	2.9	4.2	1.5	.5	.1	*.1
20	.6	1.6	1.9	2.0	3.1	0	2.9	4.1	1.2	.4	.1	*.1
21	.6	1.5	2.0	2.0	3.7	0	2.8	4.1	1.2	.3	.2	*.1
22	.5	1.5	2.1	2.0	2.8	0	2.7	3.8	1.2	.2	.1	.1
23	.5	1.8	2.1	2.0	3.9	0	2.7	3.3	1.2	.1	.1	.1
24	.6	1.7	2.0	2.0	2.0	0	4.3	3.3	1.1	.1	.1	.1
25	.6	1.7	1.9	2.0	2.5	0	5.3	3.5	1.0	.2	.1	.1
26	.5	1.7	1.8	2.0	2.4	0	5.3	4.0	.8	*.2	.1	.1
27	.5	1.5	1.7	2.0	3.2	0	5.3	4.3	.8	*.3	.1	.1
28	.5	1.5	1.7	2.0	3.8	0	5.3	4.1	.8	*.3	.1	.1
29	.6	1.5	.9	2.1	3.8	0	5.3	4.0	.9	*.3	.2	.1
30	.6	1.5	.2	2.1	-	0	5.3	4.0	1.0	.3	.1	.1
31	.7	-	1.3	2.1	-	0	-	4.3	-	.3	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	19.8	1.3	0.4	0.64	39
November	40.3	2.0	.7	1.34	80
December	55.3	2.1	.2	1.78	110
Calendar year 1935	619.3	6.5	0	1.70	1,230
January	60.2	2.1	1.6	1.94	119
February	47.1	3.9	0	1.62	93
March	53.7	4.4	0	1.73	107
April	89.5	5.3	0	2.98	178
May	142.2	6.0	3.3	4.59	282
June	65.5	4.8	.8	2.18	130
July	12.2	1.0	.1	.39	24
August	4.1	.2	.1	.13	8.1
September	3.1	.2	.1	.10	6.1
Water year 1935-36	593.0	6.0	0	1.62	1,180

*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 1936.

Average discharge.- 17 years (1913-14, 1920-36), 1.98 second-feet.

Extremes.- Maximum discharge during year, 29 second-feet Feb. 11 (gage height, 2.52 feet); no flow for several months.
1913-14, 1919-36: Maximum discharge, 220 second-feet Apr. 7, 1926; no flow for several months during summers of 1924-35.

Remarks.- Records good. City of San Bernardino diverted 877 acre-feet above gage during year 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	1.0	0.2	0.2	0.1			
2					0	.9	.2	.2	.1			
3					0	.8	.2	.2	.1			
4					0	.8	.2	.2	.1			
5					0	.8	.2	.2	.1			
6					0	.7	.2	.1	.1			
7					0	.6	.2	.1	.1			
8					0	.5	.2	.1	.1			
9					0	.4	.2	.1	.1			
10					0	.4	.2	.1	.1			
11					15	.4	.2	.1	.1			
12					5	.4	.2	.1	.1			
13					8.5	.5	.2	.1	.1			
14					9	.4	.2	.1	.1			
15					11	.4	.2	.1	.1			
16					10	.4	.3	.1	.1			
17					6	.4	.3	.1	.1			
18					6	.4	.3	.1	.1			
19					6	.4	.3	.1	.1			
20					4.7	.3	.3	.1	.1			
21					3.3	.3	.3	.1	.1			
22					2.2	.3	.3	.1	.1			
23					7	.3	.3	.1	.1			
24					4.7	.3	.2	.1	0			
25					3.4	.3	.2	.1	0			
26					2.5	.2	.2	.1	0			
27					1.7	.2	.2	.1	0			
28					1.3	.2	.2	.1	0			
29					1.0	.2	.2	.1	0			
30					-	.2	.2	.1	0			
31					-	.2	-	.1	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	231.9	13	0	.64	460
January	0	0	0	0	0
February	108.3	15	0	3.73	215
March	13.6	1.0	.2	.44	27
April	6.8	.3	.2	.23	13
May	3.6	.2	.1	.12	7.1
June	2.3	.1	0	.08	4.6
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	134.6	15	0	.37	267

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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 7½ miles north of Fontana.

Drainage area.- 47.9 square miles.

Records available.- October 1918 to September 1921, October 1922 to September 1936.

Average discharge.- 12 years (1919-20, 1925-36), 2.37 second-feet. Average combined discharge of creek and Fontana pipe line, 15 years (1919-20, 1922-36), 27.0 second-feet.

Extremes.- Maximum discharge during year, 730 second-feet Feb. 2 (gage height, 5.05 feet); no flow most of year.
1918-21, 1922-36: 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. Discharge Nov. 20, Feb. 3, 4, 17, 24-29, Mar. 29-31 computed on basis of discharge measurements and record of Fontana pipe line. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0			0	0						
2		0			113	0						
3		0			10	0						
4		0			1.0	0						
5		0			0	0						
6		0			0	0						
7		0			0	0						
8		0			0	0						
9		0			0	0						
10		0			0	0						
11		0			68	0						
12		0			102	0						
13		20			79	0						
14		0			39	0						
15		0			78	0						
16		0			30	0						
17		0			2.0	0						
18		0			.5	0						
19		0			0	0						
20		0			0	0						
21		0			0	0						
22		0			0	0						
23		0			47	0						
24		0			20	0						
25		0			1.0	0						
26		0			0	0						
27		0			30	0						
28		0			0	0						
29		0			0	1.0						
30		0			-	1.0						
31		-			-	1.0						

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	20	20	0	.67	40
December	0	0	0	0	0
Calendar year 1935	1,432.4	296	0	3.92	2,840
January	0	0	0	0	0
February	620.5	113	0	21.4	1,230
March	3.0	1.0	0	.1	6.0
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	0	0	0	0	0
Water year 1935-36	643.5	113	0	1.76	1,280

Combined discharge, in second-feet, of Lytle Creek and Fontana pipe line near Fontana, Calif., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	32	27	22	31	35	28	40	32	24	22	19.9
2	38	31	30	22	148	32	27	39	30	23	22	21
3	34	30	29	22	34	24	26	38	29	23	21	22
4	34	31	34	23	23	34	50	37	29	23	22	21
5	33	29	31	21	21	34	29	39	30	23	22	21
6	34	29	34	21	20	34	32	39	30	23	22	20
7	33	31	35	21	21	34	31	39	29	24	22	20
8	33	29	33	22	19.8	34	31	38	29	24	23	19.7
9	33	28	33	21	19.2	34	31	36	29	24	23	19.5
10	32	28	32	20	17.6	33	30	37	28	24	22	19.5
11	31	28	32	19.4	102	16	30	36	28	23	20	19.6
12	32	28	31	19.8	131	29	30	33	28	24	19.9	19.7
13	32	29	30	19.2	79	29	30	32	28	22	21	20
14	32	29	30	19.8	75	29	31	33	27	22	21	20
15	33	29	29	19.5	114	29	30	31	27	22	21	19.8
16	32	25	26	19.2	80	29	30	32	27	22	21	19.5
17	31	28	29	19.5	32	28	30	32	26	20	21	19.3
18	31	29	29	21	50	26	30	30	25	19.5	21	19.4
19	31	28	29	22	49	26	30	29	24	22	21	19.3
20	31	29	27	22	44	24	29	29	26	22	21	19.4
21	29	28	27	22	33	25	30	29	26	22	21	18.8
22	31	26	27	23	33	26	32	30	25	21	21	17.7
23	27	25	27	24	72	26	34	31	25	22	20	19.2
24	29	25	28	24	32	28	35	30	25	21	20	19.2
25	29	26	22	24	37	30	41	30	24	22	20	19.0
26	27	23	28	24	47	29	40	31	24	23	20	19.3
27	27	25	28	26	30	29	41	30	24	23	20	19.5
28	26	22	28	28	37	30	40	30	23	22	20	19.5
29	25	24	26	28	36	31	40	30	24	22	20	19.6
30	29	32	22	26	-	30	41	31	24	22	20	19.5
31	31	-	22	27	-	29	-	31	-	22	19.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	969	39	25	31.3	1,920
November	836	32	22	27.9	1,660
December	895	35	22	28.9	1,780
Calendar year 1935	15,042.2	296	15.8	41.2	29,840
January	692.4	28	19.2	22.3	1,370
February	1,467.6	148	17.6	50.7	2,910
March	906	35	16	29.2	1,800
April	989	50	26	33.0	1,960
May	1,032	40	29	33.3	2,050
June	805	32	23	26.8	1,600
July	695.5	24	19.5	22.4	1,380
August	650.7	23	19.8	21.0	1,290
September	590.9	22	17.7	19.7	1,170
Water year 1935-36	10,529.1	148	17.6	28.8	20,890

Fontana pipe line near Fontana, Calif.

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

Records available.- October 1918 to September 1921, October 1922 to September 1936.

Average discharge.- 17 years, 25.2 second-feet.

Extremes.- 1918-21, 1922-36: Maximum mean daily discharge, 62 second-feet Mar. 25-31 and Apr. 5-8, 1920; no flow Apr. 8, 1935, and Feb. 13 and 27, 1936.

Remarks.- Canal diverts practically entire flow of Lytle Creek in NW¼ sec. 6, T. 1 N., R. 5 W. 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 record of kilowatt output of Fontana power plant, furnished by Southern California Edison Co., Ltd.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	32	27	22	31	35	28	40	32	24	22	19.9
2	38	31	30	22	35	32	27	39	30	23	22	21
3	34	30	29	22	24	24	26	38	29	23	21	22
4	34	31	34	23	22	34	50	37	29	23	22	21
5	33	29	31	21	21	34	29	39	30	23	22	21
6	34	29	34	21	20	34	32	39	30	23	22	20
7	33	31	35	21	21	34	31	39	29	24	22	20
8	33	29	33	22	19.8	34	31	38	29	24	23	19.7
9	33	28	33	21	19.2	34	31	36	29	24	23	19.5
10	32	28	32	20	17.6	33	30	37	28	24	22	19.5
11	31	28	32	19.4	34	16	30	36	28	23	20	19.6
12	32	28	31	19.8	29	29	30	33	28	24	19.9	19.7
13	32	8.8	30	19.2	0	29	30	32	28	22	21	20
14	32	29	30	19.8	36	29	31	33	27	22	21	20
15	33	29	29	19.5	36	29	30	31	27	22	21	19.8
16	32	25	26	19.2	50	29	30	32	27	22	21	19.5
17	31	28	29	19.5	30	28	30	32	26	20	21	19.3
18	31	29	29	21	50	26	30	30	25	19.5	21	19.4
19	31	28	29	22	49	26	30	29	24	22	21	19.3
20	31	29	27	22	44	24	29	29	26	22	21	19.4
21	29	28	27	22	33	25	30	29	26	22	21	18.8
22	31	26	27	23	33	26	32	30	25	21	21	17.7
23	27	25	27	24	25	26	34	31	25	22	20	19.2
24	29	25	28	24	12	28	35	30	25	21	20	19.2
25	29	26	22	24	36	30	41	30	24	22	20	19.0
26	27	23	28	24	47	29	40	31	24	23	20	19.3
27	27	25	28	26	0	29	41	30	24	23	20	19.5
28	26	22	28	28	37	30	40	30	23	22	20	19.5
29	25	24	26	28	36	30	40	30	24	22	20	19.6
30	29	32	22	26	-	29	41	31	24	22	20	19.5
31	31	-	22	27	-	28	-	31	-	22	19.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	969	39	25	31.3	1,920
November	815.8	32	8.8	27.2	1,620
December	895	35	22	28.9	1,780
Calendar year 1935	13,611.0	50	0	37.3	27,010
January	692.4	28	19.2	22.3	1,370
February	847.6	50	0	29.2	1,680
March	903	35	16	29.1	1,790
April	989	50	26	33.0	1,960
May	1,032	40	29	33.3	2,050
June	805	32	23	26.8	1,600
July	695.5	24	19.5	22.4	1,380
August	650.7	23	19.8	21.0	1,290
September	590.9	22	17.7	19.7	1,170
Water year 1935-36	9,885.9	50	0	27.0	19,610

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, San Bernardino County. Altitude, about 1,050 feet.

Records available.- January 1929 to September 1936.

Extremes.- Maximum discharge during year, 208 second-feet Feb. 11; no flow most of year.

1929-36: Maximum discharge (estimated), 700 second-feet Feb. 9, 1932; no flow most of each year.

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

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

Feb. 2	15	Feb. 16	16	Feb. 24	8.5
Feb. 11	13	Feb. 17	10	Feb. 25	5.5
Feb. 12	37	Feb. 18	8.5	Feb. 26	1.7
Feb. 13	16	Feb. 19	5.5	Mar. 31	1.2
Feb. 14	3.4	Feb. 20	3.2	Apr. 4	6.5
Feb. 15	16	Feb. 23	15	Apr. 5	4.7

Month	Second-foot days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	345.5	80	0	.95	686
January	0	0	0	0	0
February	174.3	37	0	6.01	346
March	1.2	1.2	0	.04	2.4
April	11.2	6.5	0	.37	22
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 1935-36	186.7	37	0	.51	370

Lytle Creek (west channel) at Colton, Calif.

Location.- Water-stage recorder, lat. 34°4'0", long. 117°19'15", in San Bernardino grant, on F Street near Colton Avenue at Colton, San Bernardino County. Altitude, about 980 feet.

Records available.- January 1929 to September 1936.

Extremes.- Maximum discharge during year not determined; no flow during most of year.

1929-36: Maximum discharge (estimated), 20 second-feet Jan. 5, 1935; no flow most of each year.

Remarks.- Record poor. Water diverted by Fontana pipe line (see record for 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 1.0 second-foot Feb. 2 and 5 second-feet Feb. 13. Run-off during year was 12 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, 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 1936.

Average discharge.- 16 years (1920-36), 7.06 second-feet.

Extremes.- Maximum discharge during year, 450 second-feet Feb. 23 (gage height, 3.00 feet); minimum, 0.9 second-foot Sept. 7 (gage height, 0.73 foot).
1919-36: Maximum discharge, about 5,000 second-feet Dec. 20, 1921; minimum, 0.05 second-foot June 25, 1920.

Remarks.- Records good. No diversion or regulation above station. Discharge interpolated May 22-25.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	2.1	2.4	2.4	3.9	7	4.9	3.6	2.4	1.5	1.3	1.3
2	1.7	2.1	2.2	2.4	19	6.5	4.9	3.4	2.4	1.5	1.3	1.3
3	1.7	2.1	2.2	2.4	3.9	6.5	6.5	3.1	2.4	1.5	1.3	1.3
4	1.7	2.1	2.2	2.4	3.1	6	9	2.9	2.4	1.5	1.5	1.3
5	1.7	2.1	2.2	2.4	2.9	6	6	2.7	2.4	1.5	1.5	1.1
6	1.7	2.1	2.2	2.4	3.1	6	5.5	2.4	2.4	1.5	1.5	1.3
7	1.9	2.1	2.2	2.4	2.9	5.5	5	2.1	2.4	1.5	1.5	1.1
8	1.9	2.1	2.4	2.4	2.9	5	4.7	2.1	2.4	1.5	1.5	1.1
9	1.9	1.9	2.4	2.4	2.9	5	4.7	2.1	2.1	1.5	1.5	1.1
10	1.9	1.9	2.4	2.4	3.1	4.7	4.2	2.1	2.1	1.7	1.5	1.1
11	1.9	1.9	2.4	2.4	16	4.4	3.6	2.1	1.9	1.5	1.3	1.1
12	1.9	1.9	2.4	2.4	33	4.4	3.6	1.9	1.9	1.5	1.3	1.3
13	1.9	1.9	2.4	2.4	10	4.4	3.6	2.1	1.9	1.3	1.3	1.3
14	2.0	1.9	2.4	2.4	10	4.2	3.6	2.1	1.7	1.3	1.5	1.3
15	2.0	1.9	2.4	2.4	16	3.9	3.6	2.1	1.7	1.3	1.5	1.3
16	1.9	1.9	2.4	2.4	23	3.6	3.6	2.1	1.7	1.3	1.5	1.3
17	1.9	1.9	2.4	2.7	11	3.6	3.6	2.7	1.9	1.3	1.3	1.2
18	1.9	2.1	2.4	2.7	23	3.6	3.6	2.7	1.7	1.5	1.5	1.2
19	1.9	2.0	2.4	2.7	14	3.6	3.6	2.7	1.9	1.5	1.5	1.2
20	1.9	2.0	2.4	2.7	10	3.6	3.6	2.7	1.9	1.5	1.3	1.2
21	1.9	2.0	2.4	2.7	9	3.6	3.6	2.7	1.7	1.5	1.3	1.2
22	1.9	2.0	2.4	2.7	8.5	3.6	3.4	2.6	1.7	1.5	1.3	1.2
23	1.9	2.2	2.4	2.7	28	3.6	3.1	2.6	1.7	1.5	1.1	1.2
24	1.9	2.2	2.4	2.7	10	4.9	3.1	2.5	1.5	1.5	1.1	1.2
25	1.9	2.2	2.4	2.7	9	4.7	3.1	2.5	1.5	1.5	1.1	1.2
26	1.7	2.2	2.4	2.4	8	4.2	3.4	2.4	1.3	1.7	1.1	1.2
27	1.9	2.1	2.4	2.4	7.5	3.9	3.4	2.4	1.3	1.7	1.1	1.2
28	1.9	2.1	2.4	2.1	7	4.2	3.6	2.4	1.3	1.5	1.1	1.1
29	2.1	2.1	2.4	2.1	7	4.2	3.9	2.4	1.3	1.5	1.3	1.1
30	2.1	2.4	2.4	2.1	-	7.5	3.9	2.4	1.5	1.5	1.3	1.1
31	2.1	-	2.4	2.1	-	12	-	2.4	-	1.5	1.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	58.3	2.1	1.7	1.88	116
November	61.5	2.4	1.9	2.05	122
December	73.2	2.4	2.2	2.36	145
Calendar year 1935	2,549.9	136	1.6	6.99	5,060
January	75.9	2.7	2.1	2.45	151
February	307.7	33	2.9	10.6	610
March	153.9	12	3.6	4.96	305
April	125.9	9	3.1	4.20	250
May	77.0	3.6	1.9	2.48	153
June	56.4	2.4	1.3	1.88	112
July	46.1	1.7	1.3	1.49	91
August	41.5	1.5	1.1	1.34	82
September	36.1	1.3	1.1	1.20	72
Water year 1935-36	1,113.5	33	1.1	3.04	2,210

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 1936.

Average discharge.- 16 years (1920-36), 1.03 second-feet.

Extremes.- Maximum discharge during year, 161 second-feet Feb. 23 (gage height, 3.60 feet); minimum, 0.2 second-foot for several periods.
1919-36: Maximum discharge (estimated), 810 second-feet Dec. 19, 1921; minimum, 0.1 second-foot at various times during 1926-32.

Remarks.- Records good. No diversions or regulations above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.3	0.3	0.3	0.5	0.4	0.4	0.4	0.4	0.2	0.2	0.2
2	.4	.4	.3	.4	10	.4	.2	.4	.4	.3	.2	.2
3	.3	.4	.3	.4	.6	.4	.4	.4	.4	.2	.2	.2
4	.3	.3	.4	.3	.5	.4	1.4	.4	.4	.3	.2	.2
5	.3	.2	.4	.3	.5	.4	.6	.4	.4	.3	.2	.2
6	.2	.2	.4	.4	.4	.4	.5	.4	.4	.3	.2	.2
7	.2	.2	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2
8	.3	.2	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2
9	.3	.3	.4	.4	.4	.4	.4	.4	.4	.3	.2	.2
10	.3	.3	.4	.4	.4	.3	.4	.4	.3	.3	.2	.2
11	.4	.4	.4	.4	7	.3	.4	.4	.3	.3	.2	.2
12	.4	.4	.4	.4	3.4	.3	.3	.4	.3	.3	.2	.2
13	.3	.3	.3	.4	.5	.3	.3	.4	.3	.3	.2	.2
14	.3	.3	.4	.4	1.4	.3	.3	.4	.3	.2	.2	.2
15	.3	.2	.4	.4	1.0	.3	.3	.4	.3	.2	.2	.2
16	.3	.3	.4	.4	.5	.3	.3	.4	.3	.2	.2	.2
17	.3	.3	.4	.3	.3	.3	.3	.4	.3	.2	.2	.2
18	.4	.4	.4	.3	1.8	.3	.4	.4	.3	.2	.2	.2
19	.4	.4	.4	.3	.4	.3	.3	.4	.3	.2	.2	.2
20	.4	.3	.4	.3	.4	.2	.3	.4	.3	.2	.2	.2
21	.4	.3	.4	.4	.4	.2	.3	.4	.3	.2	.2	.2
22	.4	.3	.4	.4	.3	.3	.3	.3	.3	.2	.2	.2
23	.4	.4	.4	.4	5.5	.3	.3	.3	.3	.2	.2	.2
24	.3	.4	.4	.4	.6	.3	.3	.3	.3	.2	.2	.2
25	.3	.4	.4	.4	.4	.3	.3	.3	.3	.2	.2	.2
26	.4	.4	.4	.4	.4	.2	.3	.3	.2	.2	.2	.2
27	.3	.3	.4	.4	.4	.2	.4	.3	.2	.2	.2	.2
28	.3	.2	.4	.4	.4	.2	.4	.3	.2	.2	.2	.2
29	.3	.2	.4	.4	.4	.2	.4	.3	.2	.2	.2	.2
30	.4	.3	.4	.4	-	1.9	.4	.3	.2	.2	.2	.2
31	.4	-	.4	.4	-	4.2	-	.3	-	.2	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10.3	0.4	0.2	0.33	20
November	9.3	.4	.2	.31	18
December	12.0	.4	.3	.39	24
Calendar year 1935	274.6	44	.2	.75	544
January	11.7	.4	.3	.38	23
February	39.6	10	.3	1.37	79
March	15.1	4.2	.2	.49	30
April	11.7	1.4	.2	.39	23
May	11.4	.4	.3	.37	23
June	9.4	.4	.2	.31	19
July	7.3	.3	.2	.24	14
August	6.2	.2	.2	.20	12
September	6.0	.2	.2	.20	12
Water year 1935-36	150.0	10	.2	.41	297

Meeks & Daley Canal near Colton, Calif.

Location.- Water-stage recorder, lat. 34°4'0", 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 1936.

Average discharge.- 16 years, 10.4 second-feet.

Extremes.- Maximum mean daily discharge during year, 19.5 second-feet Mar. 30; no flow for several periods.
1920-36: Maximum mean daily discharge, 21 second-feet June 16, 1926; no flow at times.

Remarks.- Records fair. This canal diverts from right bank of Warm Creek 1½ 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. Beginning with this season this station has been affected by backwater from operation of a pumping plant that discharges into canal 500 feet below station and from waste from swimming pool of city of Colton, which is discharged into canal 200 feet below station. Discharge estimated Oct. 22-26 and Feb. 15 to Mar. 3.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18.0	17.5	16.9	0	17.8	0.1	3.8	17.8	17.2	16.5	15.2	13.0
2	17.9	17.5	16.9	0	6.5	.1	7.3	18.3	16.7	16.3	15.5	13.2
3	18.2	17.3	17.0	0	0	.2	6.5	17.5	16.6	16.3	15.2	13.2
4	17.9	17.5	17.3	0	0	.2	3.4	17.8	16.9	15.6	15.4	13.3
5	16.9	17.6	17.2	7.0	0	.2	2.4	17.0	16.7	15.9	15.2	13.6
6	17.9	17.6	17.5	17.8	0	.2	2.6	16.6	16.7	15.6	15.2	13.3
7	18.0	17.6	17.2	17.8	0	.2	4.0	16.3	17.0	15.1	14.6	12.9
8	18.2	17.6	17.3	17.8	0	.2	4.2	17.5	16.6	15.2	15.2	12.4
9	17.8	17.6	16.2	18.2	0	.2	8.2	17.3	16.9	15.5	15.0	12.4
10	17.8	17.2	17.0	17.9	0	.2	7.3	17.0	16.9	15.6	14.1	12.5
11	17.6	17.6	16.9	18.4	0	.2	8.9	16.9	16.9	15.6	14.1	13.3
12	17.6	17.6	16.9	18.0	0	.2	11.8	15.9	17.0	15.2	14.1	13.2
13	17.6	17.3	16.9	17.8	2.2	2.1	17.3	15.8	17.0	16.3	14.1	13.3
14	17.8	15.2	16.9	17.8	2.4	4.5	17.3	14.8	17.0	16.7	13.9	13.3
15	17.9	15.4	17.0	17.5	.1	3.5	18.0	15.6	17.2	16.0	13.6	13.4
16	17.8	15.5	17.3	17.8	.1	3.7	19.0	16.5	16.7	15.4	13.8	13.2
17	17.8	15.8	16.9	17.8	.1	4.8	19.4	16.3	16.7	15.6	13.6	13.3
18	17.9	15.8	17.3	17.8	.1	5.4	18.9	16.0	16.6	15.9	13.6	13.0
19	17.0	15.8	17.2	18.0	.1	9.7	18.3	16.0	16.6	16.5	13.6	13.2
20	16.7	15.8	17.3	18.3	.1	18.6	18.4	15.5	16.5	15.5	13.4	13.2
21	16.9	15.6	17.5	18.2	.1	18.2	18.2	14.7	16.3	15.8	13.2	13.2
22	16.0	16.0	17.6	18.0	.1	19.4	17.9	14.2	16.9	16.3	13.3	12.9
23	14.0	15.9	17.6	18.0	.1	19.4	18.0	14.7	16.9	15.6	13.3	13.0
24	12.7	16.7	17.6	17.0	.1	18.9	18.4	15.5	16.6	15.0	13.0	13.2
25	13.0	16.7	17.0	17.0	.1	17.0	17.3	15.8	16.0	15.0	12.9	13.6
26	13.0	16.6	17.3	17.5	.1	18.8	17.0	16.3	16.7	15.5	13.0	13.4
27	13.0	16.5	17.9	17.5	.1	18.6	16.5	16.6	15.9	15.2	13.3	13.2
28	14.8	16.7	17.8	17.5	.1	17.8	17.0	16.7	16.3	15.4	13.2	13.4
29	17.6	16.5	9.7	17.6	.1	17.6	17.5	16.9	16.2	15.1	13.3	12.9
30	17.5	16.7	0	17.6	-	19.5	17.5	17.0	16.5	15.0	13.4	12.9
31	17.3	-	0	17.8	-	9.1	-	16.7	-	15.0	12.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	520.1	18.2	12.7	16.8	1,030
November	500.7	17.6	15.2	16.7	993
December	491.1	17.9	0	15.8	974
Calendar year 1935	4,530.1	19.8	0	12.4	9,000
January	469.4	18.4	0	15.1	931
February	30.4	17.8	0	1.05	60
March	248.8	19.5	.1	8.03	493
April	392.3	19.4	2.4	13.1	778
May	507.5	18.3	14.2	16.4	1,010
June	500.7	17.2	15.9	16.7	993
July	485.2	16.7	15.0	15.7	962
August	433.4	15.5	12.9	14.0	860
September	393.9	13.6	12.4	13.1	781
Water year 1935-36	4,973.5	19.5	0	13.6	9,860

Day Creek near Etiwanda, Calif.

Location.- Water-stage recorder, lat. 34°11'0", 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 1936.

Extremes.- Maximum discharge during year, 192 second-feet Feb. 11 (gage height, 2.55 feet); minimum, 0.8 second-foot Sept. 24 (gage height, 0.72 foot).
1929-36: Maximum discharge, that of Feb. 11, 1936; minimum, 0.1 second-foot Dec. 19,20, 1933.

Remarks.- Record good. Etiwanda Water Co. diverted about 245 acre-feet above station for spreading during winter.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	2.6	2.2	2.0	7	3.0	2.7	2.2	3.2	1.9	1.6	1.0
2	2.0	2.4	2.2	2.0	19	3.0	2.3	2.2	3.0	1.9	1.5	1.3
3	1.9	2.4	2.2	2.0	6.5	2.9	4.5	2.2	3.0	1.9	1.4	1.5
4	1.9	2.3	2.2	2.0	5.5	2.9	19	2.2	2.9	1.9	1.4	1.5
5	2.0	2.3	2.2	2.0	4.2	2.9	10	2.2	2.7	1.9	1.4	1.4
6	2.0	2.2	2.2	2.0	3.7	2.7	6.5	2.2	2.7	1.7	1.4	1.4
7	2.0	2.2	2.2	2.0	3.0	2.6	3.3	3.0	3.0	1.7	1.4	1.2
8	2.0	2.2	2.2	2.0	2.7	2.4	3.2	3.7	2.7	1.9	1.5	1.2
9	1.9	2.3	2.2	2.0	3.2	2.4	3.2	3.7	2.6	2.0	1.7	1.2
10	1.9	2.3	2.2	2.0	4.0	2.3	3.3	3.5	2.6	2.3	1.6	1.2
11	2.0	2.2	2.0	2.0	38	2.3	3.3	3.2	2.4	2.2	1.5	1.1
12	2.0	2.0	2.2	2.0	42	2.2	3.3	3.7	2.4	1.9	1.5	1.1
13	2.0	2.0	2.2	2.0	25	2.0	3.3	3.5	2.3	1.7	1.4	1.1
14	2.0	2.2	2.2	2.0	13	1.9	3.2	3.3	2.3	1.7	1.4	1.1
15	2.2	2.0	2.2	2.0	17	1.6	3.0	3.3	2.3	1.6	1.3	1.1
16	2.0	2.2	2.2	2.0	17	1.4	2.9	3.3	2.3	1.6	1.3	1.1
17	1.9	2.6	2.2	2.0	13	1.4	2.9	3.2	2.2	1.6	1.2	1.1
18	1.7	2.9	2.2	2.0	12	1.5	2.9	3.2	2.2	1.7	1.2	1.1
19	1.9	2.6	2.2	2.0	12	1.4	2.9	3.3	2.0	1.9	1.2	1.1
20	1.9	2.4	2.6	1.9	11	1.4	2.9	3.3	2.0	1.7	1.2	1.1
21	1.9	2.4	2.4	1.7	11	1.6	2.9	3.2	2.0	1.7	1.2	1.0
22	1.9	2.4	2.3	1.6	11	1.9	2.9	2.6	1.9	1.9	1.2	1.0
23	1.7	2.3	2.3	1.6	24	1.9	2.7	2.6	1.9	1.7	1.2	1.0
24	1.7	2.4	2.2	1.6	14	1.9	2.6	2.6	2.0	1.9	1.2	1.0
25	1.9	2.4	2.0	1.7	12	1.6	2.4	2.7	2.0	1.9	1.2	1.0
26	1.9	2.4	1.9	1.7	10	1.6	2.3	2.9	2.0	2.0	1.3	1.0
27	1.9	2.4	1.9	1.6	8.5	1.5	2.2	2.7	2.0	2.2	1.3	1.0
28	2.2	2.3	1.7	1.7	7	1.5	2.2	2.7	2.0	2.0	1.2	1.0
29	2.3	2.2	2.0	1.7	4.4	1.5	2.2	2.9	2.0	1.9	1.2	1.0
30	2.4	2.0	1.9	1.7	-	2.3	2.2	3.0	1.9	1.7	1.0	1.0
31	2.6	-	2.2	1.7	-	4.0	-	3.2	-	1.7	1.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	61.5	2.6	1.7	2.0	122
November	69.5	2.9	2.0	2.32	138
December	67.0	2.6	1.7	2.16	133
Calendar year 1935	1,288.9	54	.7	3.53	2,560
January	58.2	2.0	1.6	1.88	115
February	360.7	42	2.7	12.4	715
March	65.5	4.0	1.4	2.11	130
April	113.2	19	2.2	3.77	225
May	91.5	3.7	2.2	2.95	181
June	70.5	3.2	1.9	2.35	140
July	57.3	2.3	1.6	1.85	114
August	41.1	1.7	1.2	1.33	82
September	33.9	1.5	1.0	1.13	67
Water year 1935-36	1,089.9	42	1.0	2.98	2,160

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 1936.

Extremes.- Maximum discharge during year, 475 second-feet Feb. 11 (gage height, 2.93 feet); minimum, 1.2 second-feet Aug. 24, 25.
1928-36: Maximum discharge, that of Feb. 11, 1936; minimum, 0.8 second-foot July 16, 17, Aug. 28 to Sept. 15, and Oct. 2-6, 1934.

Remarks.- Records fair. Entire flow was diverted above gage for irrigation Oct. 1 to Jan. 31 and May 26 to Sept. 30; discharge for those periods was interpolated between weekly measurements made in diversion flume and included in tables of discharge.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8	3.1	3.0	2.9	7	10	8.5	5.5	4.9	2.6	1.9	1.5
2	2.9	3.2	3.0	2.8	37	9	8	5	4.8	2.5	1.9	1.5
3	2.9	3.2	3.0	2.8	12	8.5	8.5	4.8	4.6	2.5	1.8	1.5
4	3.0	3.1	3.0	2.7	8.5	7.5	40	5.5	4.5	2.5	1.8	1.6
5	3.0	3.1	3.0	2.7	5.5	7.5	15	5.5	4.4	2.4	1.9	1.6
6	3.0	3.1	3.0	2.7	4.8	7.5	13	5	4.3	2.4	2.0	1.6
7	3.0	3.0	3.0	2.7	4.2	7.5	12	5	4.3	2.4	2.1	1.6
8	2.9	3.0	3.0	2.7	3.7	8	11	4.8	4.2	2.4	2.2	1.6
9	2.9	3.0	3.1	2.7	3.4	7.5	10	4.8	4.0	2.3	2.2	1.7
10	2.8	3.0	3.1	2.7	3.4	7.5	10	4.5	3.8	2.3	2.3	1.8
11	2.8	2.9	3.1	2.7	31	7	9	4.2	3.6	2.3	2.3	1.8
12	2.8	2.9	3.2	2.7	56	7	9	4.2	3.5	2.2	2.2	1.9
13	2.8	2.8	3.2	2.7	41	6.5	9	4.2	3.4	2.2	2.1	1.9
14	2.8	2.8	3.2	2.7	27	6.5	9	4.2	3.3	2.2	2.1	2.0
15	2.8	2.8	3.2	2.7	24	6.5	8.5	4.2	3.2	2.2	2.0	2.0
16	2.7	2.8	3.1	2.6	26	6.5	8	4.2	3.1	2.2	1.9	1.9
17	2.7	2.8	3.1	2.6	24	6.5	8	4.2	3.0	2.2	1.9	1.9
18	2.7	2.8	3.1	2.6	21	6	8	4.0	3.0	2.2	1.8	1.9
19	2.7	2.8	3.0	2.6	16	5.5	7.5	4.0	2.9	2.2	1.7	1.8
20	2.7	2.9	3.0	2.6	12	5.5	7.5	4.0	2.9	2.2	1.6	1.8
21	2.7	2.9	3.0	2.6	12	5.5	7	4.0	2.8	2.2	1.5	1.8
22	2.7	2.9	3.0	2.7	12	6	7	4.0	2.8	2.2	1.4	1.7
23	2.7	2.9	3.0	2.7	42	5.5	7	4.0	2.8	2.3	1.3	1.7
24	2.7	2.9	3.1	2.8	28	6.5	6.5	4.0	2.8	2.3	1.2	1.6
25	2.7	2.9	3.1	2.8	20	6	6.5	4.0	2.7	2.4	1.2	1.6
26	2.7	3.0	3.1	2.9	17	6	6.5	4.1	2.7	2.5	1.3	1.5
27	2.7	3.0	3.1	2.9	15	6	6	4.1	2.7	2.7	1.3	1.4
28	2.8	3.0	3.1	2.9	10	5.5	6	4.2	2.7	2.5	1.4	1.4
29	2.9	3.0	3.1	2.9	9	5.5	6	4.4	2.7	2.4	1.4	1.4
30	3.0	3.0	3.0	3.0	-	6.5	6	4.6	2.7	2.2	1.4	1.4
31	3.1	-	3.0	3.0	-	15	-	4.8	-	2.0	1.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	87.4	3.1	2.7	2.82	173
November	88.6	3.2	2.8	2.95	176
December	95.0	3.2	3.0	3.06	188
Calendar year 1935	2,447.7	64	2.4	6.71	4,860
January	85.1	3.0	2.6	2.75	169
February	532.5	56	3.4	18.4	1,060
March	218	15	5.5	7.03	432
April	284.0	40	6	9.47	563
May	138.0	5.5	4.0	4.45	274
June	103.1	4.9	2.7	3.44	204
July	72.1	2.7	2.0	2.33	143
August	54.6	2.3	1.2	1.76	108
September	50.4	2.0	1.4	1.68	100
Water year 1935-36	1,808.8	56	1.2	4.94	3,590

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 8¾ miles southeast of San Jacinto. Altitude, about 1,980 feet.

Drainage area.- 140 square miles.

Records available.- October 1920 to September 1936.

Average discharge.- 13 years (1921-25, 1927-36), 14.0 second-feet.

Extremes.- Maximum discharge during year, 287 second-feet Feb. 11 (gage height, 3.15 feet); no flow for several months.
1920-36: Maximum discharge (estimated), 45,000 second-feet Feb. 16, 1927; no flow for several months each year.

Remarks.- Records good. Several diversions above gage. Storage at Lake Hemet. Discharge estimated Feb. 1,5-10.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0.5	28	52	17	0.1			
2					66	29	48	23	.1			
3					30	24	56	22	0			
4					3.6	19	149	12	0			
5					.3	18	103	6	0			
6					.2	16	86	7.5	0			
7					.1	15	78	9.5	0			
8					.1	13	86	9	0			
9					.1	13	90	9	0			
10					.1	9	90	6.5	0			
11					35	0	92	6	0			
12					121	0	90	5.5	0			
13					98	0	82	5	0			
14					106	0	76	5	0			
15					143	8	68	4.9	0			
16					174	12	63	4.0	0			
17					103	11	58	3.1	0			
18					60	11	49	2.7	0			
19					68	11	38	2.4	0			
20					86	14	40	1.8	0			
21					52	18	37	.9	0			
22					46	33	36	.8	0			
23					131	22	34	.8	0			
24					94	22	32	.8	0			
25					64	21	18	.8	0			
26					49	17	9	.8	0			
27					37	18	8	.8	0			
28					33	20	6.5	.7	0			
29					29	22	14	.5	0			
30					-	22	19	.3	0			
31					-	66	-	.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	0	0	0	0	0
Calendar year 1935	2,434.7	192	0	6.67	4,830
January	0	0	0	0	0
February	1,630	174	.1	56.2	3,230
March	532	66	0	17.2	1,060
April	1,707.5	149	6.5	56.9	3,390
May	169.3	23	.2	5.46	336
June	.2	.1	0	.007	.4
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	4,039.0	174	0	11.0	8,020

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., 2 miles east of Elsinore and 2¼ miles above junction with Elsinore Lake (low-water stage). Altitude, about 1,270 feet.

Drainage area.- 717 square miles.

Records available.- January 1916 to September 1936.

Average discharge.- 20 years, 13.3 second-feet.

Extremes.- Maximum discharge during year, 3.6 second-feet Feb. 22 (gage height, 2.88 feet); no flow for several months.
1916-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0.1	0.1	0.2	0.3	0.2	0.3	0.1		
2		0	0	.1	.1	.2	.2	.2	.3	.1		
3		0	0	.1	.1	.2	.3	.2	.3	.1		
4		0	0	.1	.1	.1	.3	.2	.3	0		
5		0	0	.1	.1	.1	.3	.2	.2	0		
6		0	0	.1	.1	.1	.2	.2	.2	0		
7		0	0	.1	.1	.1	.2	.2	.3	0		
8		0	0	.1	.1	.1	.2	.2	.3	0		
9		0	0	.1	.1	.1	.2	.2	.3	.1		
10		0	0	.1	.1	.1	.2	.2	.2	.1		
11		0	0	.1	.1	.1	.1	.2	.2	.1		
12		0	0	.1	.1	.1	.1	.2	.2	.1		
13		0	0	.1	.1	.1	.2	.2	.2	.1		
14		0	0	.1	.1	.1	.2	.2	.1	0		
15		0	0	.1	.2	.1	.2	.2	.1	0		
16		0	0	.1	.2	.1	.2	.2	.1	0		
17		0	0	.1	.2	.1	.2	.2	.1	0		
18		0	0	.1	.2	.1	.3	.2	.1	0		
19		0	0	.1	.5	.1	.3	.2	.1	0		
20		0	0	.1	3.0	.1	.3	.2	.1	0		
21		0	0	.1	3.3	.1	.3	.2	.1	0		
22		0	0	.1	3.6	.1	.2	.2	.1	0		
23		0	0	.1	2.8	.1	.2	.2	.1	0		
24		0	0	.1	.3	.2	.2	.2	.1	0		
25		0	0	.1	.3	.2	.2	.2	.1	0		
26		0.1	0	.1	.3	.2	.2	.2	.1	0		
27		0	0	.1	.2	.2	.2	.2	.1	0		
28		0	0	.1	.2	.2	.2	.2	.1	0		
29		0	.1	.1	.2	.2	.2	.2	.1	0		
30		0	.1	.1	-	.2	.2	.3	.1	0		
31		-	.1	.1	-	.8	-	.3	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	.1	.1	0	.003	.2
December	.3	.1	0	.01	.6
Calendar year 1935	14.5	.8	0	.04	29
January	3.1	.1	.1	.10	6.1
February	16.9	3.6	.1	.58	34
March	4.8	.8	.1	.15	9.5
April	6.6	.3	.1	.22	13
May	6.4	.3	.2	.21	13
June	5.0	.3	.1	.17	9.9
July	.8	.1	0	.03	1.6
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	44.0	3.6	0	.12	88

Elsinore Lake at Elsinore, Calif.

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

Records available.- December 1915 to September 1936.

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 July 1917. History of lake is published in Water-Supply Papers 426, 429, and 441.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	-	-	-	-	-	-	-	-	28.3	-	-
2	-	-	-	-	-	-	29.8	-	-	-	-	-
3	-	-	-	29.5	-	-	-	-	-	-	-	-
4	-	-	-	-	-	29.9	-	-	28.8	-	-	-
5	-	-	29.6	-	-	-	-	-	-	-	-	-
6	-	29.7	-	-	-	-	-	29.4	-	-	27.6	-
7	-	-	-	-	-	-	29.8	-	-	-	-	-
8	30.1	-	-	-	-	-	-	-	-	28.1	-	-
9	-	-	-	29.5	-	-	-	-	-	-	-	-
10	-	-	-	-	-	29.9	-	-	28.7	-	-	-
11	-	-	-	-	29.6	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	27.4	-
13	-	-	29.6	-	-	-	-	29.2	-	-	-	-
14	-	-	-	-	-	-	29.7	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	28.0	-	-
16	30.0	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	30.0	29.8	-	-	28.6	-	-	-
18	-	-	-	-	-	-	-	-	-	-	-	-
19	-	-	-	-	30.0	-	-	-	-	-	-	-
20	-	-	29.6	-	-	-	29.6	29.1	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	29.4	-	-	-	-	-	27.8	-	-
24	-	-	-	-	-	-	-	-	28.4	-	-	-
25	-	-	-	-	-	29.8	-	-	-	-	-	-
26	-	-	-	-	30.0	-	-	-	-	-	-	-
27	-	-	29.5	-	-	-	-	29.0	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	29.4	-	-	-	-	-	27.7	-	-
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 1936.

Extremes.- 1929-36: Maximum gage height, 2.12 feet Feb. 8, 1932 (discharge not determined); 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 Chino-Rincon Road 1 mile west of Prado, Riverside County. Altitude, 460 feet.

Records available.- January 1929 to September 1936.

Extremes.- Maximum discharge during year, 433 second-feet Feb. 13 (gage height, 7.42 feet); minimum discharge, 0.1 second-foot Aug. 13, 18.
1929-36: Maximum discharge, 1,440 second-feet Jan. 1, 1934 (gage height, 10.50 feet); minimum, 0.1 second-foot Sept. 27, 1935, and Aug. 13, 18, 1936.

Remarks.- Records fair. Discharge estimated Oct. 29, May 13 to June 30, and July 30 to Aug. 9. Numerous irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.6	4.8	5	6.5	16	11	3.9	0.8	0.5	0.2	0.2
2	.5	.9	4.8	5	61	15	9	3.5	.7	.3	.2	.2
3	.5	.9	4.0	5.5	24	15	8.5	3.6	.7	.3	.2	.2
4	.5	1.0	4.0	5.5	14	12	20	4.0	.6	.3	.2	.2
5	.5	1.0	4.5	5.5	11	11	15	3.5	.6	.3	.2	.2
6	.5	1.0	4.6	5.5	9.5	11	9.5	3.5	.6	.3	.2	.2
7	.6	1.1	4.7	5	9	11	8.5	2.6	.6	.3	.2	.2
8	.6	1.1	4.8	4.9	8.5	10	8	2.5	.5	.4	.2	.2
9	.6	1.2	4.6	4.8	7.5	11	8	2.5	.5	.5	.2	.2
10	.5	1.3	4.2	4.8	7.5	11	8	2.5	.5	.6	.2	.2
11	.5	1.6	4.8	4.7	28	10	8.5	2.5	.5	.5	.3	.2
12	.5	2.2	4.6	4.8	98	10	9	2.3	.5	.6	.2	.2
13	.5	2.2	5	5	209	9	9	2.2	.5	.6	.1	.2
14	.5	2.1	5	5.5	100	8.5	8	2.2	.5	.6	.2	.2
15	.5	2.1	4.7	6	196	9	6.5	2.1	.4	.6	.2	.2
16	.5	2.1	4.8	6	123	8.5	6.5	2.1	.4	.4	.2	.2
17	.5	2.3	4.7	6	53	8.5	7.5	2.0	.4	.3	.2	.3
18	.6	3.1	4.6	6.5	54	8.5	7.5	2.0	.4	.2	.1	.3
19	.6	3.7	4.1	6.5	47	8	7.5	1.9	.4	.3	.2	.2
20	.6	3.7	4.0	6.5	36	7.5	7	1.8	.4	.3	.2	.3
21	.6	3.8	5.5	5.5	25	8	7.5	1.8	.4	.2	.2	.2
22	.6	3.8	4.8	4.9	21	8	7.5	1.6	.4	.3	.2	.2
23	.6	3.7	4.4	7	34	7	7	1.5	.4	.4	.2	.2
24	.6	3.3	4.1	5	27	8	7	1.5	.4	.2	.2	.2
25	.6	3.6	4.0	4.8	20	11	7.5	1.4	.4	.3	.2	.2
26	.6	4.7	4.1	5	19	8	6.5	1.4	.4	.3	.2	.2
27	.6	7	4.3	4.4	19	6.5	6	1.2	.4	.3	.2	.2
28	.6	4.7	3.9	3.3	18	6.5	5	1.1	.4	.3	.2	.3
29	.7	3.9	5	3.2	16	6.5	4.2	1.0	.4	.3	.2	.3
30	.7	3.3	9	3.4	-	7	4.0	.9	.4	.2	.2	.3
31	.8	-	5	3.4	-	18	-	.8	-	.2	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	17.5	0.8	0.4	0.56	35
November	77.2	7	.8	2.57	153
December	145.4	9	3.9	4.69	288
Calendar year 1935	2,313.2	78	.1	6.34	4,580
January	158.9	7	3.2	5.13	315
February	1,301.5	209	6.5	44.9	2,580
March	305.0	18	6.5	9.84	605
April	244.7	20	4.0	8.16	485
May	67.4	4.0	.8	2.17	134
June	14.5	.8	.4	.48	29
July	11.2	.6	.2	.36	22
August	6.1	.3	.1	.20	12
September	6.6	.3	.2	.22	13
Water year 1935-36	2,356.0	209	.1	6.44	4,670

San Antonio Creek near Claremont, Calif.

Location.- Water-stage recorder, lat. 34°12'50", long. 117°40'0", 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 1936.

Average discharge.- 19 years (1917-36), 6.81 second-feet. Average combined discharge, creek and canal, 19 years (1917-36), 19.9 second-feet.

Extremes.- Maximum discharge during year, 58 second-feet Feb. 2 (gage height, 3.75 feet); minimum, 0.2 second-foot Sept. 9 (gage height, 3.05 feet).
1917-36: Maximum discharge, 1,020 second-feet Dec. 19, 1921 (gage height, 8.20 feet); minimum, less than 0.1 second-foot for several days during October 1934.

Remarks.- Records fair. See record for Southern California Edison Co.'s canal near Claremont, which diverts water above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	0.9	0.8	0.8	1.5	7	2.5	2.8	0.8	0.5	0.4	0.3
2	.9	.9	.8	.8	8.5	6	2.1	2.5	.8	.5	.4	.3
3	.8	.8	.8	.8	2.5	5	2.5	2.1	1.0	.5	.4	.3
4	.9	.8	.8	.8	1.8	5	12	1.8	1.0	.4	.4	.3
5	.9	.8	.8	.8	1.5	5	3.0	1.8	1.0	.4	.4	.3
6	.9	.7	.8	.8	1.4	4.6	2.5	1.4	1.0	.4	.4	.3
7	.9	.7	.8	.8	1.3	4.6	2.5	1.4	.8	.4	.4	.3
8	.9	.7	.9	.8	1.2	4.6	2.1	1.3	.8	.5	.4	.3
9	.8	.7	.9	.8	1.2	4.6	2.1	1.2	.7	.5	.4	.3
10	.8	.7	.9	.8	5	4.3	2.5	1.1	.7	.5	.4	.3
11	.8	.8	.9	.8	25	3.6	2.1	1.1	.7	.5	.4	.3
12	.8	.8	.9	.8	28	3.6	2.1	1.2	.7	.5	.4	.3
13	.6	.8	.9	.8	10	3.6	1.8	1.1	.7	.4	.4	.4
14	.6	.8	.9	.8	31	3.6	1.8	1.1	.6	.4	.4	.4
15	.6	.8	.9	.8	7	3.2	1.8	1.0	.6	.4	.4	.4
16	.6	.8	.9	.8	7	3.2	2.5	1.0	.6	.4	.4	.4
17	.7	.8	.9	.8	5	2.8	3.2	1.0	.5	.4	.4	.3
18	.7	.9	.9	.8	4.6	2.8	4.3	1.1	.5	.5	.4	.3
19	.7	.9	.9	.8	3.6	2.5	4.6	1.2	.5	.5	.4	.3
20	.7	.9	.9	.7	2.8	2.5	4.6	1.2	.5	.4	.3	.3
21	.6	.9	.9	.7	2.1	2.5	4.6	1.1	.5	.4	.3	.3
22	.6	.9	.9	.8	2.5	2.8	5	1.0	.5	.4	.3	.3
23	.6	.9	.9	.8	21	2.5	4.3	.8	.5	.4	.3	.3
24	.6	.8	.9	.8	16	2.0	4.6	.7	.5	.4	.3	.3
25	.6	.8	.9	.8	12	2.5	4.3	.7	.5	.4	.3	.3
26	.6	.8	.9	.8	9.5	2.4	3.9	.7	.5	.4	.3	.3
27	.7	.7	.8	.8	8.5	2.3	4.3	.8	.5	.5	.3	.3
28	.7	.7	.8	.8	8.5	2.2	3.9	.8	.5	.4	.3	.3
29	.7	.8	.9	.8	7	2.2	3.9	.8	.5	.4	.3	.3
30	.8	.8	.8	.9	-	3.2	3.6	.8	.5	.4	.3	.3
31	.8	-	.8	.9	-	7	-	.8	-	.4	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	22.8	0.9	0.6	0.74	45
November	24.1	.9	.7	.80	48
December	26.8	.9	.8	.86	53
Calendar year 1935	3,084.1	75	.6	8.45	6,110
January	24.8	.9	.7	.80	49
February	237.0	31	1.2	8.17	470
March	114.5	7	2.2	3.69	227
April	105.0	12	1.6	3.50	208
May	37.4	2.8	.7	1.21	74
June	19.5	1.0	.5	.65	39
July	13.5	.5	.4	.44	27
August	11.2	.4	.3	.36	22
September	9.4	.4	.3	.31	19
Water year 1935-36	646.0	31	.3	1.77	1,280

Combined discharge, in second-feet, of San Antonio Creek and Southern California Edison Co.'s. canal near Claremont, Calif., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10.8	8.9	8.6	7.9	11.5	29	24	26	17.3	12.9	10.1	7.8
2	10.5	9.4	8.4	7.6	24	28	24	26	17.3	12.7	9.0	8.0
3	10.2	9.6	8.6	7.3	12.6	27	24	25	17.5	12.7	9.0	8.1
4	10.3	9.3	8.6	7.3	10.8	27	35	25	17.5	12.3	9.0	8.0
5	10.0	9.3	8.4	7.6	10.5	27	26	25	17.0	11.8	9.6	7.9
6	10.0	9.2	8.6	7.6	10.4	27	24	24	17.0	11.6	9.3	7.6
7	9.2	9.2	8.6	7.6	10.3	27	24	24	16.8	11.7	8.8	7.4
8	10.0	9.1	8.5	7.6	10.2	27	25	24	16.8	11.8	9.6	7.5
9	9.8	9.1	8.7	7.6	10.2	27	25	22	16.7	11.8	9.6	7.4
10	9.8	9.1	8.5	7.3	13.5	26	26	22	15.7	11.6	8.5	7.5
11	9.7	8.9	8.5	7.3	50	26	25	22	15.5	11.5	9.0	7.4
12	9.7	9.0	8.2	7.3	41	26	25	22	15.5	11.2	8.8	7.5
13	9.2	9.3	8.2	7.3	35	26	25	22	15.1	10.8	8.7	7.7
14	9.2	8.9	8.2	7.3	52	26	25	22	15.0	10.1	8.8	7.9
15	9.7	8.9	8.5	7.0	29	25	25	22	14.5	10.1	8.6	7.6
16	9.2	8.9	8.2	7.0	29	25	26	22	14.7	9.6	8.6	7.6
17	9.8	9.1	8.2	6.7	26	25	26	21	14.4	9.3	8.5	7.3
18	9.8	9.4	8.2	7.0	27	25	27	21	14.1	10.2	8.4	7.3
19	9.3	8.9	8.2	7.0	25	24	28	20	14.3	10.5	8.4	7.3
20	9.3	8.8	7.9	7.2	24	24	28	21	13.9	9.6	8.3	7.5
21	9.2	8.8	7.9	6.6	22	24	28	20	13.7	9.9	8.2	7.2
22	9.5	8.6	7.9	6.8	22	25	28	20	13.3	9.9	8.1	7.2
23	9.5	8.7	7.9	6.5	43	24	27	19.8	13.1	10.1	7.7	7.4
24	9.2	8.6	8.2	6.5	38	25	28	19.7	12.9	10.4	7.4	7.5
25	8.6	8.6	8.0	6.5	34	24	27	18.7	12.9	10.9	7.4	8.1
26	8.2	8.6	7.9	6.5	32	24	27	18.7	12.9	11.2	7.9	7.9
27	8.6	8.5	7.3	6.7	30	24	27	18.3	12.9	11.3	8.2	7.9
28	8.6	8.3	7.8	6.5	30	24	27	18.8	12.9	10.4	8.1	7.9
29	8.8	8.1	8.7	6.5	29	24	27	17.8	12.9	10.3	8.1	7.5
30	8.4	8.6	8.6	6.6	-	25	27	17.8	12.9	10.4	8.0	7.7
31	8.9	-	8.3	6.6	-	29	-	17.8	-	10.3	7.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	293.0	10.8	8.2	9.45	581
November	268.2	9.6	8.1	8.94	532
December	256.3	8.7	7.3	8.27	508
Calendar year 1935	9,560.8	100	7.3	26.2	18,980
January	218.8	7.9	6.5	7.06	434
February	742.0	52	10.2	25.6	1,470
March	796	29	24	25.7	1,580
April	790	35	24	26.3	1,570
May	665.9	26	17.8	21.5	1,320
June	447.0	17.5	12.9	14.9	887
July	338.9	12.9	9.3	10.9	672
August	265.6	10.1	7.4	8.57	527
September	228.6	8.1	7.2	7.62	453
Water year 1935-36	5,310.3	52	6.5	14.5	10,530

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., 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 1936.

Average discharge.- 19 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, then used for irrigation. Discharge record furnished by Southern California Edison Co., Ltd.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.9	8.0	7.8	7.1	10.0	22	22	23	16.5	12.4	9.7	7.5
2	9.6	8.5	7.6	6.8	15.5	22	22	23	16.5	12.2	8.6	7.7
3	9.4	8.8	7.8	6.5	10.1	22	22	23	16.5	12.2	8.6	7.8
4	9.4	8.5	7.8	6.5	9.0	22	23	23	16.5	11.9	8.6	7.7
5	9.1	8.5	7.6	6.8	9.0	22	23	23	16.0	11.4	9.2	7.6
6	9.1	8.5	7.8	6.8	9.0	22	22	23	16.0	11.2	8.9	7.3
7	8.3	8.5	7.8	6.8	9.0	22	22	23	16.0	11.3	8.4	7.1
8	9.1	8.4	7.6	6.8	9.0	22	23	23	16.0	11.3	9.2	7.2
9	9.0	8.4	7.8	6.8	9.0	22	23	21	16.0	11.3	9.2	7.1
10	9.0	8.4	7.6	6.5	8.5	22	23	21	15.0	11.1	8.1	7.2
11	8.9	8.1	7.6	6.5	25	22	23	21	14.8	11.0	8.6	7.1
12	8.9	8.2	7.3	6.5	13.2	22	23	21	14.8	10.7	8.4	7.2
13	8.6	8.5	7.3	6.5	25	22	23	21	14.4	10.4	8.3	7.3
14	8.6	8.1	7.3	6.5	21	22	23	21	14.4	9.7	8.4	7.5
15	9.1	8.1	7.6	6.2	22	22	23	21	13.9	9.7	8.2	7.2
16	8.6	8.1	7.3	6.2	22	22	23	21	14.1	9.2	8.2	7.2
17	9.1	8.3	7.3	5.9	21	22	23	20	13.9	8.9	8.1	7.0
18	9.1	8.5	7.3	6.2	22	22	23	20	13.6	9.7	8.0	7.0
19	8.6	8.0	7.3	6.2	21	22	23	19.0	13.8	10.0	8.0	7.0
20	8.6	7.9	7.0	6.5	21	22	23	19.4	13.4	9.2	8.0	7.2
21	8.6	7.9	7.0	5.9	20	22	23	19.0	13.2	9.5	7.9	6.9
22	8.9	7.7	7.0	6.0	20	22	23	19.0	12.8	9.5	7.8	6.9
23	8.9	7.8	7.0	5.7	22	22	23	19.0	12.6	9.7	7.4	7.1
24	8.6	7.8	7.3	5.7	22	22	23	19.0	12.4	10.0	7.1	7.2
25	8.0	7.8	7.1	5.7	22	22	23	18.0	12.4	10.5	7.1	7.8
26	7.6	7.8	7.0	5.7	22	22	23	18.0	12.4	10.8	7.6	7.6
27	7.9	7.8	6.5	5.9	22	22	23	18.0	12.4	10.8	7.9	7.6
28	7.9	8.1	7.0	5.7	22	22	23	18.0	12.4	10.0	7.8	7.6
29	8.1	7.3	7.8	5.7	22	22	23	17.0	12.4	9.9	7.8	7.2
30	7.6	7.8	7.8	5.7	-	22	23	17.0	12.4	10.0	7.7	7.4
31	8.1	-	7.5	5.7	-	22	-	17.0	-	9.9	7.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	270.2	9.9	7.6	8.72	536
November	244.1	8.8	7.3	8.14	484
December	229.5	7.8	6.5	7.40	455
Calendar year 1935	6,473.8	30	6.5	17.7	12,850
January	194.0	7.1	5.7	6.26	385
February	505.3	25	8.5	17.4	1,000
March	682	22	22	22.0	1,350
April	685	23	22	22.8	1,360
May	629.4	23	17.0	20.3	1,250
June	427.5	16.5	12.4	14.2	848
July	325.4	12.4	8.9	10.5	645
August	254.4	9.7	7.1	8.21	505
September	219.2	7.8	6.9	7.31	435
Water year 1935-36	4,666.0	25	5.7	12.7	9,250

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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 1936.

Remarks.- Dam completed December 1931. Reservoir capacity, 25,000 acre-feet. Flow regulated at Santiago Reservoir for irrigation. Outflow measured by means of several Venturi flumes. Inflow computed from change in storage and outflow from reservoir, not corrected for evaporation. 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 1935-36

October	201
November	120
December	76
January	116
February	1,970
March	325
April	510
May	346
June	295
July	337
August	195
September	155
The year	4,646

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 1 3/4 miles northeast of Villa Park. Altitude, about 420 feet.

Drainage area.- 83.8 square miles.

Records available.- June 1920 to September 1936.

Average discharge.- 16 years, 6.37 second-feet.

Extremes.- Maximum discharge during year, 142 second-feet Feb. 15 (gage height, 1.50 feet); no flow for several months.
1920-36: Maximum discharge, about 11,000 second-feet Feb. 16, 1927 (gage height, 8.4 feet); no flow for several months each year.

Remarks.- Records fair. Irvine Co. and Serrano and Carpenter Irrigation Districts divert above gage. Flow completely regulated by storage in Santiago Reservoir.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0			0.7	0.1	0.5	0.6	0.1	0	0.1	0.1
2	0	0			7	.1	0	.2	.1	0	.1	.1
3	0	0			1.1	.1	.3	.1	.1	.1	.1	.1
4	0	0			.9	.1	1.5	.1	.1	.1	.1	.1
5	0	0			.6	.1	.5	.1	.1	.1	.1	.1
6	0	0			.4	.1	0	.1	.1	0	.1	.1
7	0	0			.5	.1	0	.1	.1	0	.1	.1
8	0	0			.7	.1	0	.1	.1	.1	.1	.1
9	0	0			.7	.1	0	0	.1	0	.1	.1
10	0	0			.7	.1	0	0	.1	0	.1	.1
11	0	0			1.1	.1	0	0	0	0	.1	.1
12	0	0			14	.1	0	0	0	0	.1	.1
13	0	0			2.5	.1	0	0	0	0	.1	.1
14	0	0			6	.1	0	0	0	0	.1	.1
15	0	0			20	.1	0	0	0	0	.1	.1
16	0	0			4.9	.1	0	0	0	0	.1	.1
17	0	.8			1.8	.1	0	0	0	.2	.1	.1
18	0	1.5			2.4	.1	0	0	0	.1	.1	.1
19	0	.5			2.0	.1	0	0	.1	.1	.1	.1
20	0	0			1.1	.1	0	0	.1	.1	.1	.1
21	0	0			.6	.1	0	0	.2	.1	.1	.1
22	0	.7			1.8	.1	0	0	.1	.1	.1	.1
23	.1	1.5			2.2	.1	0	0	.1	.1	.1	.1
24	0	1.5			1.8	.4	0	0	.1	.2	.1	.1
25	0	.5			1.8	1.5	.3	0	.1	.2	.1	.1
26	0	0			1.6	.9	.8	0	.1	.1	.1	.1
27	0	0			.6	0	.8	0	0	.1	.1	.1
28	0	0			.1	0	.9	0	0	.1	.1	.1
29	0	0			.1	0	1.0	0	0	.1	.1	.1
30	0	0			-	.2	.9	0	0	.1	.1	.1
31	0	-			-	1.2	-	0	-	.1	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.1	0.1	0	0.003	0.2
November	7.0	1.5	0	.23	14
December	0	0	0	0	0
Calendar year 1935	130.8	18	0	.36	259
January	0	0	0	0	0
February	79.7	20	.1	2.75	158
March	6.5	1.5	0	.21	13
April	7.5	1.5	0	.25	15
May	1.4	.6	0	.05	2.8
June	1.9	.2	0	.06	3.8
July	2.2	.2	0	.07	4.4
August	3.1	.1	.1	.1	6.1
September	3.0	.1	.1	.1	6.0
Water year 1935-36	112.4	20	0	.31	223

Santiago Creek at Santa Ana, Calif.

Location.- Water-stage recorder, lat. 33°46'0", long. 117°52'45", in Santiago de Santa Ana grant, at end of Baker Street, Santa Ana, Orange County. Altitude, about 120 feet.

Records available.- January 1929 to September 1936.

Extremes.- Maximum discharge during year, 210 second-feet Feb. 15 (gage height, 2.85 feet); no flow most of year.
1929-36: Maximum discharge, 272 second-feet Dec. 28, 1931; no flow most of each year.

Remarks.- Records fair. Irvine Co. and Serrano and Carpenter Irrigation Districts divert above gage.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0			0	0	0.9					
2		0			3.5	1.4	2.6					
3		0			0	0	0					
4		0			0	0	.7					
5		0			0	0	.1					
6		0			0	0	0					
7		0			0	0	0					
8		0			0	0	0					
9		0			0	0	2.3					
10		0			0	0	0					
11		0			0	0	0					
12		0			22	0	0					
13		0			14	0	0					
14		0			6.5	0	0					
15		0			37	0	0					
16		0			20	0	0					
17		0			.1	0	0					
18		7			1.0	0	0					
19		14			0	.1	0					
20		.1			0	.3	0					
21		0			0	.1	0					
22		0			0	0	0					
23		0			.4	0	0					
24		0			0	.8	0					
25		0			0	0	0					
26		0			0	1.8	0					
27		0			0	0	0					
28		0			0	0	0					
29		0			0	0	0					
30		0			-	.4	0					
31		-			-	2.9	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	21.1	14	0	.70	42
December	0	0	0	0	0
Calendar year 1935	139.3	14	0	.38	277
January	0	0	0	0	0
February	104.5	37	0	3.60	207
March	7.8	2.9	0	.25	15
April	6.6	2.6	0	.22	13
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 1935-36	140.0	37	0	.38	277

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 1936.

Extremes.- Maximum discharge during year, 1,175 second-feet Feb. 15 (gage height, 10.5 feet); no flow for several periods.
1930-36: Maximum discharge, 4,330 second-feet Jan. 19, 1933 (gage height, 12.98 feet); no flow for periods during 1932-36.

Remarks.- This canal carries storm run-off from foothills across ranch and drains the 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	0.1	1.0	0.2	0			
2					22	.1	.6	.2	0			
3					.2	.1	.5	.2	0			
4					.1	.1	.5	.2	0			
5					0	.1	.6	.2	0			
6					0	.1	.6	.1	.1			
7					0	.1	.6	.1	.1			
8					0	.1	.6	.1	.1			
9					0	.1	.7	.1	.1			
10					0	.1	.7	0	.1			
11					0	.1	.7	0	.1			
12					28	.1	.9	0	.1			
13					32	.1	1.2	0	0			
14					80	.1	1.3	0	0			
15					205	.1	1.6	0	0			
16					144	.1	1.3	0	0			
17					55	.1	1.3	0	0			
18					30	.1	1.3	0	0			
19					7.0	.1	1.2	0	0			
20					3.0	.1	1.1	0	0			
21					.4	.2	1.1	0	0			
22					.2	.2	1.0	0	0			
23					3.7	.2	.8	0	0			
24					3.4	.2	.5	0	0			
25					.6	.3	.4	0	0			
26					.2	.3	.4	0	0			
27					.2	.3	.4	0	0			
28					.2	.2	.3	0	0			
29					.2	.2	.3	0	0			
30					-	.3	.3	0	0			
31					-	15.8	-	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	0	0	0	0	0
Calendar year 1935	578.5	163	0	1.58	1,150
January	0	0	0	0	0
February	615.4	205	0	21.2	1,220
March	20.2	15.8	.1	.65	40
April	23.8	1.6	.3	.79	47
May	1.4	.2	0	.05	2.8
June	.7	.1	0	.02	1.4
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	661.5	205	0	1.81	1,310

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.- May 1894 to September 1936.

Average discharge.- 40 years (1896-1936), 104 second-feet. Average combined discharge of river and diversions, corrected for storage and evaporation in Morris Reservoir, 41 years (1895-1936), 150 second-feet.

Extremes.- Maximum discharge during year, 455 second-feet Apr. 10 (gage height, 4.19 feet); no flow for long periods.
1894-1936: Maximum discharge, 40,000 second-feet Jan. 18, 1916; no flow for several months each year.

Remarks.- Records good. Results of several discharge measurements furnished by Los Angeles County Flood Control District. During year run-off was completely regulated by releases from Morris Reservoir of Pasadena Water Department. Capacity, 39,350 acre-feet. Azusa Canal (formerly Southern California Edison Co.'s Canal) diverts above high-water line of Morris Reservoir at a point about 5 miles above station. Combined discharge of river and diversions, corrected for storage and evaporation in Morris Reservoir and releases from San Gabriel No. 2 Flood Control Reservoir during year ending Sept. 30, 1936, was 53,815 acre-feet as computed by city of Pasadena. This run-off is 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	1.3			0	158	68	89				
2	0	.6			.4	166	130	89				
3	0	.4			0	172	120	85				
4	0	.7			0	172	76	72				
5	0	.6			0	174	160	87				
6	0	.2			0	180	110	31				
7	0	0			0	180	116	11				
8	0	0			0	180	153	12				
9	0	0			0	183	192	22				
10	0	0			0	189	221	22				
11	0	0			.2	189	196	13				
12	5.4	0			.2	150	196	2.3				
13	26	0			.2	155	196	1.5				
14	30	0			.2	186	186	.8				
15	34	0			.2	192	189	.4				
16	38	0			2.6	192	189	.2				
17	35	0			30	199	130	.1				
18	35	0			49	202	186	0				
19	36	0			44	224	163	0				
20	39	0			66	196	49	0				
21	38	0			82	199	48	0				
22	37	0			83	199	46	0				
23	37	0			65	192	43	0				
24	36	0			68	196	44	0				
25	36	0			83	202	44	0				
26	34	0			87	196	44	0				
27	35	0			101	202	71	0				
28	36	0			127	199	93	0				
29	36	0			158	199	93	0				
30	36	0			-	199	91	0				
31	11	-			-	58	-	0				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	650.4	39	0	21.0	1,290
November	3.8	1.3	0	.13	7.5
December	0	0	0	0	0
Calendar year 1935	34,243.6	460	0	93.8	67,910
January	0	0	0	0	0
February	1,047	158	0	36.1	2,080
March	5,680	224	58	183	11,300
April	3,643	221	68	121	7,230
May	538.3	89	0	17.4	1,070
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	11,562.5	224	0	31.6	22,980

San Gabriel River at Pico, Calif.

Location.- Water-stage recorder, lat. 33°59'45", long. 118°4'18", in Paso de Bartolo grant, on Whittier Boulevard bridge half a mile east of Pico, Los Angeles County.

Records available.- October 1928 to September 1936.

Extremes.- Maximum discharge during year, 3,400 second-feet Feb. 12; no flow for several months.
1928-36: Maximum discharge, 22,000 second-feet Jan. 1, 1934; no flow for several months each year.

Remarks.- Record good. Gage-height record and results of discharge measurements furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	21	21					
2					1.5	21	21					
3					11	19	28					
4					6	17	45					
5					0	17	42					
6					0	15	28					
7					0	15	17					
8					0	13	13					
9					0	13	13					
10					0	12	13					
11					44	12	35					
12					355	13	35					
13					155	15	42					
14					35	15	42					
15					154	17	22					
16					223	19	13					
17					38	17	12					
18					42	15	7					
19					22	15	0					
20					15	17	0					
21					12	13	0					
22					10	13	0					
23					92	15	0					
24					32	17	0					
25					19	22	0					
26					15	19	0					
27					15	19	0					
28					21	17	0					
29					22	17	0					
30					-	21	0					
31					-	33	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	3,414.9	189	0	9.36	6,780
January	0	0	0	0	0
February	1,339.5	355	0	46.2	2,660
March	524	33	12	16.9	1,040
April	449	45	0	15.0	891
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 1935-36	2,312.5	355	0	6.32	4,590

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 1936.

Extremes.- Maximum discharge during year, 752 second-feet Feb. 12 (gage height, 5.50 feet); minimum, 1.8 second-feet Sept. 24.
1927-36: Maximum discharge, 5,320 second-feet Jan. 1, 1934 (gage height, 9.15 feet); no flow at times in 1928 and 1929.

Remarks.- Records good. Gage-height record and results of discharge measurements furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	11	14	16	47	90	66	46	31	14	6.5	3.1
2	13	12	14	15	225	83	61	43	29	13	6	4.0
3	12	13	14	15	72	83	66	43	29	13	5.5	5
4	11	13	18	15	48	79	105	42	27	12	5	5.5
5	10	12	18	15	36	75	79	41	26	12	4.9	4.9
6	10	12	18	15	30	75	72	40	26	12	4.6	3.8
7	10	12	17	15	28	72	67	40	26	12	4.6	3.3
8	10	12	17	15	25	67	67	38	25	12	5.5	3.3
9	10	13	16	15	24	66	64	38	25	12	6	3.1
10	9.5	13	16	15	22	66	62	37	24	12	6	3.1
11	10	13	16	15	114	62	61	37	22	12	5.5	3.3
12	10	13	16	15	312	61	60	37	22	11	5.5	4.0
13	10	13	16	15	232	60	60	36	22	10	5	4.3
14	11	13	16	14	211	60	60	35	21	9	4.6	4.6
15	12	13	16	14	291	58	58	34	21	8	4.6	4.0
16	11	13	16	14	290	56	58	34	22	8	4.3	3.6
17	9	15	16	14	209	55	56	34	22	7.5	4.3	3.3
18	8.5	21	15	14	189	54	56	34	19	8	4.3	3.3
19	8.5	17	15	14	160	51	55	34	18	7.5	4.0	3.3
20	8	16	14	14	144	50	54	34	18	7.5	4.3	3.3
21	8	16	13	14	131	51	52	33	18	6	4.3	3.3
22	8	15	13	14	131	51	51	32	18	5.5	4.3	3.1
23	8	15	12	14	253	50	51	31	18	5.5	3.8	2.9
24	8	15	12	14	162	55	50	30	17	6	3.6	2.5
25	8	15	12	14	136	54	50	30	16	6	3.8	2.5
26	8	15	12	14	119	52	50	31	15	6.5	4.0	3.1
27	8	15	12	14	115	51	50	31	15	7.5	3.8	2.9
28	10	15	12	14	106	50	50	31	15	7.5	3.6	2.9
29	12	15	19	14	96	50	50	31	15	7	3.3	2.9
30	12	15	18	14	-	65	48	31	15	6	3.3	2.9
31	12	-	16	14	-	122	-	31	-	6	3.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	306.5	13	8	9.89	608
November	421	21	11	14.0	835
December	469	19	12	15.1	930
Calendar year 1935	24,852.5	1,180	7	68.1	49,300
January	448	16	14	14.5	889
February	3,958	312	22	136	7,850
March	1,974	122	50	63.7	3,920
April	1,789	105	48	59.6	3,548
May	1,099	46	30	35.5	2,180
June	637	31	15	21.2	1,260
July	282.0	14	5.5	9.10	559
August	141.9	6.5	3.1	4.58	281
September	105.1	5.5	2.5	3.50	208
Water year 1935-36	11,630.5	312	2.5	31.8	23,070

Bear Creek near Camp Rincon, Calif.

Location.- Water-stage recorder, lat. 34°14'30", long. 117°53'5", 500 feet above junction with West Fork of San Gabriel River and 1.2 miles west of Camp Rincon. Prior to Dec. 10, 1935, at site 1½ miles upstream.

Drainage area.- 27.9 square miles. 26 square miles at former site.

Records available.- December 1935 to September 1936. October 1929 to September 1935 at site 1½ miles upstream.

Extremes.- Maximum discharge during the period, 410 second-feet Feb. 12 (gage height, 4.20 feet).
1929-36: Maximum discharge, 1,600 second-feet Jan. 1, 1934; no flow at times during 1934.

Remarks.- Records good. Gage-height record and discharge measurements furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer. Discharge for Dec. 11 to Jan. 2 and May 22-27 computed on basis of 7 discharge records from nearby streams.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			-	3.8	8.5	28	16	8.5	5.5	1.3	0.4	0.3
2			-	3.6	83	26	15	7.5	6	1.3	.4	.3
3			-	3.6	22	25	16	7.5	6	1.1	.4	.3
4			-	3.8	15	22	25	7.5	5.5	1.0	.4	.3
5			-	3.9	13	20	20	7.5	5.5	.8	.3	.2
6			-	4.1	10	18	18	7	5.5	.9	.3	.2
7			-	4.2	9.5	17	18	7	5.5	1.0	.3	.2
8			-	4.2	8.5	16	16	6.5	5.5	1.0	.3	.2
9			-	4.2	8	15	16	6.5	5	1.3	.4	.2
10			-	4.4	7.5	15	16	6	5	1.8	.4	.2
11			4.0	4.4	52	15	15	6	4.2	2.0	.4	.2
12			4.0	4.4	156	14	15	6	3.9	1.3	.4	.2
13			4.0	4.4	106	14	14	6	3.4	1.0	.4	.2
14			3.9	4.2	95	14	14	6	3.2	.9	.4	.2
15			3.9	4.2	127	14	14	6	3.0	.6	.4	.2
16			3.9	4.2	122	13	13	6	3.0	.5	.4	.2
17			3.9	4.1	82	12	13	6	2.9	.5	.3	.2
18			3.9	3.9	71	12	12	6	2.6	.5	.3	.2
19			3.8	3.8	55	11	12	6	2.5	.6	.3	.2
20			3.8	3.6	45	10	11	6	2.5	.6	.3	.2
21			3.7	3.5	44	10	11	6	2.3	.6	.3	.2
22			3.7	3.4	47	10	10	6	2.3	.6	.2	.2
23			3.7	3.6	136	11	10	5.5	2.2	.5	.2	.2
24			3.6	3.8	69	12	9.5	5.5	1.9	.5	.2	.2
25			3.6	3.8	52	12	9.5	5.5	1.6	.5	.3	.2
26			3.5	3.8	44	11	9	5.5	1.3	.6	.3	.2
27			3.2	3.8	42	11	9	5.5	1.2	.6	.3	.2
28			3.0	3.6	37	11	9	5.5	1.2	.9	.3	.2
29			6	3.8	32	11	9	5.5	1.2	.8	.3	.2
30			5	3.8	-	12	9	5.5	1.3	.6	.3	.2
31			4.0	3.6	-	27	-	5.5	-	.6	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December 11-31	82.1	-	-	3.91	163
Calendar year					
January	121.5	4.4	3.4	3.92	241
February	1,599.0	156	7.5	55.1	3,170
March	469	28	10	15.1	930
April	404.0	25	9	13.5	801
May	193.0	8.5	5.5	6.23	383
June	102.7	6	1.2	3.42	204
July	26.8	2.0	.5	.86	53
August	10.2	.4	.2	.33	20
September	6.4	.3	.2	.21	13
The period					5,980

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 1936.

Extremes.- Maximum discharge during year, 85 second-feet Feb. 2 (gage height, 5.00 feet); minimum, 0.8 second-foot Sept. 7 (gage height. 4.09 feet).
1929-36: Maximum discharge, 276 second-feet Jan. 1, 1934 (gage height, 5.80 feet); no flow Aug. 28, 1934.

Remarks.- Records good. Gage-height record and results of discharge measurements furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.5	4	4.5	5	6.5	12	10	6	5.5	3.5	3.0	1.6
2	4.5	4	4.5	5	29	12	10	6	5.5	4	3.0	1.9
3	4.5	4	4.5	5	12	12	11	6	5.5	4	2.6	2.3
4	4	4	5	4.5	8.5	12	15	6	5.5	3.5	2.6	2.3
5	4	4	5	4.5	8	11	12	6	5.5	3.5	2.6	1.9
6	4	4	5	4	7.5	11	10	5.5	5.5	3.5	2.3	1.6
7	4	4.5	4.5	4	6.5	11	10	5.5	5.5	3.5	2.3	1.6
8	4	4.5	4.5	4	6	10	9.5	5.5	5	3.5	2.3	1.6
9	4	5	4.5	4.5	5.5	10	9.5	5.5	5	3.5	2.6	1.6
10	4	5	4.5	5	5.5	10	8.5	5.5	4.5	4	2.6	1.9
11	4.5	5	4.5	5	18	9.5	8.5	5.5	4.5	3.5	2.3	1.9
12	5	5	5	5	36	9.5	8.5	5	4	3.0	2.3	1.9
13	5	5	5	5	31	9.5	8	5	4	3.0	1.9	2.3
14	5	4.5	5	5	27	9.5	8	5	4.5	2.6	1.9	2.3
15	5	4	5	5	33	9.5	8	5	4.5	2.6	1.9	1.9
16	5	4	5	5	34	9.5	8	5	4.5	2.6	1.9	1.9
17	4	4.5	5	5	27	9.5	8	5	4	2.6	1.9	1.9
18	4	4.5	5	4.5	27	9.5	8	5	4	2.6	2.3	1.9
19	4.5	4.5	5	4.5	24	8.5	8	5	4	2.6	2.3	1.9
20	4.5	4.5	5	4.5	21	8	8	5	4	2.6	2.3	1.9
21	4.5	4.5	5	4.5	18	8	8	5.5	3.5	2.6	2.3	1.9
22	4.5	4.5	5	4.5	18	7.5	8	5.5	3.5	2.3	2.3	1.9
23	4.5	4.5	5	4.5	29	7.5	8	5.5	3.5	2.6	1.9	1.9
24	4.5	4.5	5	4.5	22	8	7.5	5.5	3.5	2.6	1.9	1.9
25	4.5	4.5	5	4.5	20	7.5	7.5	5.5	3.5	2.6	1.9	1.9
26	4	4.5	5	4.5	17	6.5	7.5	5.5	3.5	3.0	1.9	2.6
27	4	4.5	5.5	4.5	16	6	7.5	5.5	3.5	3.0	1.9	1.9
28	4	4.5	5.5	4.5	14	6	7.5	5.5	3.5	3.5	1.9	1.9
29	4	4.5	6	4.5	13	6	6.5	5.5	3.5	3.5	1.9	1.9
30	4	4.5	5	4.5	-	7.5	6.5	5.5	3.5	3.0	1.6	1.6
31	4	-	5	4.5	-	14	-	5.5	-	3.0	1.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	134.5	5	4	4.34	267
November	133.5	5	4	4.45	265
December	153	6	4.5	4.94	303
Calendar year 1935	4,090.5	76	4	11.2	8,110
January	143.5	5	4	4.63	285
February	540	36	5.5	18.6	1,071
March	288	14	6	9.29	571
April	261	15	6.5	8.70	518
May	168.5	6	5	5.44	334
June	130	5.5	3.5	4.33	258
July	95.9	4	2.3	3.09	190
August	68.0	3.0	1.6	2.19	135
September	57.5	2.6	1.6	1.92	114
Water year 1935-36	2,173.4	36	1.6	5.94	4,310

Azusa Canal near Azusa, Calif.

Location.- Water-stage recorder, lat. 34°10'40", long. 117°52'15", in SW¼SW¼ sec. 7, T. 1 N.,R. 9 W., at Morris Dam of city of Pasadena, 4 miles northeast of Azusa.

Records available.- January 1896 to September 1936.

Average discharge.- 40 years, 46.7 second-feet.

Extremes.- Maximum mean daily discharge during year, 68.9 second-feet May 5.
1896-1936: 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. Records furnished by city of Pasadena.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32.4	26.5	31.0	33.3	31.4	52.6	81.1	86.9	66.6	31.8	18.1	10.3
2	31.2	29.7	30.8	32.3	9.6	55.4	85.2	87.3	66.7	30.4	17.6	10.3
3	31.4	30.9	31.5	31.8	12.9	54.7	86.0	87.8	66.1	30.3	17.0	14.6
4	30.5	29.6	35.5	31.7	42.3	56.5	54.1	88.6	64.8	29.6	17.2	15.3
5	28.1	28.2	35.4	31.3	54.6	61.2	53.3	88.9	61.4	28.4	16.5	15.4
6	28.9	26.9	34.6	31.0	62.4	72.1	49.0	88.8	59.2	25.5	15.9	14.0
7	27.7	26.9	34.3	31.2	59.5	74.8	44.7	88.6	58.9	25.4	16.2	12.7
8	25.9	27.0	34.8	31.4	54.9	81.4	43.1	88.5	57.2	24.8	18.0	10.3
9	25.5	28.2	33.1	31.1	51.6	86.7	52.4	87.7	54.8	25.6	19.9	10.5
10	24.5	30.9	32.9	31.0	50.4	88.1	56.2	86.3	52.1	27.2	19.7	10.3
11	25.4	30.0	32.3	31.8	42.4	87.6	65.4	84.9	48.0	30.2	18.7	8.5
12	27.0	29.7	32.0	31.6	23.2	88.2	79.9	83.9	47.5	29.1	17.7	11.6
13	31.1	27.2	32.1	30.9	26.9	88.4	88.3	82.2	46.3	23.2	15.9	13.3
14	28.6	28.7	32.2	31.0	27.7	88.4	88.4	80.3	45.1	20.4	12.4	12.2
15	31.5	28.2	32.4	30.9	39.8	88.4	82.1	79.4	44.1	18.5	15.2	12.2
16	31.4	28.8	33.1	30.2	47.6	88.4	88.2	78.8	43.6	17.4	15.6	10.3
17	25.6	31.9	30.5	30.0	58.4	88.5	88.5	78.0	42.5	16.6	14.8	9.6
18	24.1	38.5	32.3	29.4	45.1	88.5	85.3	76.9	40.8	19.8	14.5	10.4
19	24.1	34.6	30.5	31.1	43.3	88.5	88.5	76.6	38.1	21.3	14.3	11.6
20	25.7	33.3	29.6	29.3	44.5	88.5	88.5	76.0	38.7	20.8	12.3	12.2
21	24.9	33.1	29.1	28.9	40.0	88.5	87.0	74.0	38.8	17.9	13.8	9.4
22	24.6	31.7	29.8	29.7	41.4	88.4	81.8	71.1	36.7	16.5	13.4	10.0
23	21.1	31.1	29.5	30.0	46.8	88.5	83.3	68.7	36.1	18.3	13.8	10.6
24	21.1	32.3	30.1	27.2	51.6	88.5	84.0	67.1	34.6	16.0	10.0	9.4
25	20.6	31.2	29.9	27.6	50.2	88.4	84.7	66.9	32.2	18.4	12.4	9.3
26	20.9	32.0	29.1	27.8	53.0	88.4	88.3	68.2	32.1	20.5	11.5	10.7
27	22.2	32.2	28.2	26.8	57.5	88.4	85.1	69.6	31.6	22.5	10.6	11.0
28	22.0	31.4	28.8	27.8	53.5	88.4	84.7	67.9	33.1	21.4	12.6	9.8
29	23.6	31.0	40.4	29.0	53.8	88.4	86.5	66.4	31.3	20.5	12.0	9.7
30	24.6	31.1	39.6	28.1	-	88.4	86.7	66.3	31.9	18.0	12.3	10.1
31	25.4	-	34.7	26.6	-	57.5	-	66.8	-	18.1	10.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	811.6	32.4	20.6	26.18	1,610
November	912.8	38.5	26.5	30.43	1,811
December	1,000.1	40.4	28.2	32.26	1,984
Calendar year 1935	23,061.7	89.2	20.6	63.18	45,743
January	931.8	33.3	26.6	30.06	1,848
February	1,276.3	62.4	9.6	44.01	2,532
March	2,508.7	88.5	52.6	80.93	4,976
April	2,300.3	88.5	43.1	76.68	4,563
May	2,429.4	88.9	66.3	78.37	4,819
June	1,380.9	66.7	31.3	46.03	2,739
July	704.4	31.8	16.0	22.72	1,397
August	460.1	19.9	10.0	14.84	913
September	336.6	15.4	8.5	11.22	668
Water year 1935-36	15,053.0	88.9	8.5	41.13	29,860

Rogers Creek near Azusa, Calif.

Location.- Water-stage recorder, lat. 34°9'55", long. 117°54'20", in NW¼NW¼ sec. 23, T. 1 N., R. 10 W., half a mile above mouth of creek and 2½ miles north of Azusa. Altitude, about 800 feet.

Drainage area.- 6.4 square miles.

Records available.- October 1917 to September 1936. May 1916 to June 1917, discharge measurements only.

Average discharge.- 19 years, 2.30 second-feet.

Extremes.- Maximum discharge during year, 520 second-feet Feb. 2 (gage height, 5.80 feet); no flow for part of year.
1917-36: Maximum discharge, about 2,600 second-feet Apr. 7, 1926; no flow several months each year.

Remarks.- Records good. All water diverted above station at times. Results of several discharge measurements furnished by Los Angeles County Flood Control District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0.2	6.5	6.5	3.8	1.2	0.2			
2		0	0	.1	33	6	2.6	1.2	.2			
3		0	0	.1	3.2	5.5	2.8	1.3	.2			
4		0	0	0	1.7	5	20	1.3	.2			
5		0	0	.1	.9	4.5	11	1.0	.2			
6		0	0	.1	.6	4.1	8	.9	.2			
7		0	0	.1	.5	3.9	7	.8	.2			
8		0	0	.1	.4	3.6	6	.6	.2			
9		0	0	.1	.4	3.3	5.5	.5	.2			
10		0	0	.2	.3	3.0	4.3	.5	.1			
11		0	0	.2	32	2.6	3.9	.5	0			
12		0	0	.2	44	2.0	3.6	.5	0			
13		0	0	.2	29	2.0	3.4	.4	0			
14		0	0	.1	34	2.0	3.2	.4	0			
15		0	0	.1	38	2.0	3.0	.4	0			
16		0	0	.1	47	1.9	2.7	.4	0			
17		0	0	.1	26	1.8	2.4	.4	0			
18		0	0	.1	20	1.7	2.2	.5	0			
19		.1	0	.1	14	1.5	2.1	.5	0			
20		.1	0	.1	10	1.4	2.1	.5	0			
21		.1	0	.1	9	1.8	2.1	.5	0			
22		.1	0	.1	8	2.1	2.0	.6	0			
23		0	0	.1	47	1.5	1.9	.6	0			
24		.1	0	.1	20	2.0	1.9	.6	0			
25		.1	0	0	15	2.2	1.7	.6	0			
26		0	0	0	12	1.6	1.7	.6	0			
27		0	0	0	9.5	1.2	1.6	.6	0			
28		0	0	0	8	1.0	1.6	.4	0			
29		0	1.2	.1	7	1.0	1.7	.2	0			
30		0	.6	.1	-	1.9	1.6	.2	0			
31		-	.3	0	-	12	-	.2	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	.6	.1	0	.02	1.2
December	2.1	1.2	0	.07	4.2
Calendar year 1935	e20.7	115	0	2.25	1,630
January	3.0	.2	0	.10	6.0
February	477.0	47	.3	16.4	946
March	92.6	12	1.0	1.99	184
April	117.4	20	1.6	3.91	233
May	18.9	1.3	.2	.61	37
June	1.9	.2	0	.06	3.8
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	713.5	47	0	1.95	1,420

Fish Creek near Duarte, Calif.

Location.- Water-stage recorder, lat. 34°10'0", 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 1936.

Average discharge.- 19 years (1917-36), 3.39 second-feet.

Extremes.- Maximum discharge during year, 676 second-feet Feb. 2; minimum, 0.2 second-foot Oct. 10.

1916-36: Maximum discharge, about 2,180 second-feet Apr. 4, 1925; no flow during periods in 1919-21, 1924, 1929-30.

Remarks.- Records good. No diversions or regulation above station. Drainage from tunnel being constructed in this canyon for Metropolitan Water District was wasted down Fish Creek after Dec. 25. Discharge interpolated June 18. Los Angeles County Flood Control District furnished results of several discharge measurements.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.5	0.5	1.2	5.5	9.5	7	3.7	2.6	3.2	1.9	2.5
2	.6	.5	.5	1.1	59	9	6	3.7	2.6	3.2	1.9	2.5
3	.5	.6	.5	1.1	6	8	10	3.7	2.6	3.0	1.9	2.5
4	.5	.5	.8	.9	5.5	7.5	32	3.7	2.5	3.0	1.8	2.5
5	.4	.5	.7	.9	2.6	7	15	3.7	2.3	2.8	1.6	2.5
6	.4	.5	.7	.9	1.5	6	11	3.4	2.5	2.8	1.8	2.3
7	.4	.4	.7	.9	1.5	5.5	9.5	3.4	2.5	2.5	1.7	2.3
8	.4	.5	.7	1.1	1.7	5.5	9	3.2	2.3	2.8	1.7	2.5
9	.4	.5	.7	1.2	1.8	5.5	9	3.2	2.3	2.6	1.8	2.5
10	.3	.5	.6	1.2	1.8	5.5	7.5	3.0	2.1	2.6	1.9	2.5
11	.3	.5	.6	1.2	58	5	6	3.0	2.1	2.5	1.8	2.5
12	.5	.4	.6	1.1	80	5	5.5	3.0	1.9	2.3	1.8	2.5
13	.5	.4	.7	.9	71	4.8	5.5	3.0	1.9	1.9	1.9	2.6
14	.6	.4	.6	1.1	63	4.5	5	2.8	1.8	1.9	1.9	2.8
15	.8	.4	.5	.9	47	5	5	2.8	1.8	1.9	1.8	2.8
16	.5	.4	.5	.9	79	4.8	5.5	2.8	1.8	1.9	1.8	2.8
17	.4	.8	.5	.9	42	4.6	5.5	3.0	1.8	1.9	1.8	3.2
18	.4	.8	.5	.9	27	4.8	5.5	2.8	1.8	1.9	2.3	3.2
19	.4	.5	.5	1.1	22	4.5	5.5	2.8	1.7	2.1	2.1	3.2
20	.4	.5	.5	1.1	15	4.5	5	2.8	1.7	2.1	1.9	3.2
21	.4	.5	.6	1.1	12	4.8	4.8	2.8	1.7	2.1	1.9	3.2
22	.4	.5	.7	1.2	12	5	4.8	2.8	1.8	2.1	2.3	3.0
23	.3	.5	.8	1.2	61	4.5	4.5	2.8	1.9	2.1	2.1	3.0
24	.4	.5	.8	1.2	27	5.5	4.5	2.8	2.5	2.3	1.9	3.0
25	.4	.5	.8	1.2	19	4.8	4.2	2.6	3.7	2.3	2.1	3.0
26	.4	.5	.8	1.2	14	4.8	4.2	2.6	3.7	2.5	2.1	3.2
27	.4	.5	.9	1.2	13	4.8	3.9	2.6	3.7	2.6	2.3	3.4
28	.4	.5	1.4	1.1	12	4.8	3.9	2.6	3.7	2.6	2.5	3.2
29	.5	.5	2.5	1.4	10	4.8	4.2	2.5	3.2	2.5	2.5	3.0
30	.5	.5	1.4	1.4	-	10	3.9	2.5	3.2	2.3	2.5	3.7
31	.5	-	1.1	1.4	-	26	-	2.6	-	2.1	2.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13.7	0.8	0.3	0.44	27
November	15.1	.8	.4	.50	30
December	23.7	2.5	.5	.76	47
Calendar year 1935	1,347.5	150	.1	3.69	2,670
January	34.2	1.4	.9	1.10	68
February	770.9	80	1.5	26.6	1,530
March	196.5	26	4.5	6.34	390
April	212.9	32	3.9	7.10	422
May	92.7	3.7	2.5	2.99	184
June	71.7	3.7	1.7	2.39	142
July	74.4	3.2	1.9	2.40	148
August	61.8	2.5	1.7	1.99	123
September	85.1	3.7	2.3	2.84	169
Water year 1935-36	1,652.7	80	.3	4.52	3,280

Sawpit Creek near Monrovia, Calif.

Location.- Water-stage recorder, lat. 34°10'20", long. 117°59'25", in NW¼SW¼ sec. 13, T. 1 N., R. 11 W., 0.2 mile 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 1936.

Average discharge.- 19 years (1917-36), 0.93 second-foot. Average combined discharge of creek and Monrovia pipe line, 19 years (1917-36), 2.12 second-feet.

Extremes.- Maximum discharge during year, 202 second-feet Feb. 12 (gage height, 3.60 feet); no flow for several months.
1916-36: Maximum discharge, about 2,000 second-feet Apr. 7, 1926, estimated from flow of Rogers Creek; no flow for several months each year.

Remarks.- Records fair. Regulation at flood-control dam above gage and diversions by city of Monrovia. See record for Monrovia pipe line near Monrovia. Los Angeles County Flood Control District furnished results of several discharge measurements.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.1	0		0.1	1.5	2.1	1.0	0	0.2		0
2	.1	.3	0		S	1.7	1.4	1.0	0	.2		0
3	.1	.4	0		1.9	1.9	4.2	1.0	0	.2		0
4	.1	.1	0		1.0	1.6	9.8	.9	0	.2		0
5	0	0	0		.6	1.5	5	.9	0	.2		0
6	0	0	0		.3	1.5	3.9	.S	0	.1		0
7	0	0	0		.2	1.5	3.2	.S	0	.1		0
8	0	0	0		.1	1.5	2.S	.8	0	.1		0
9	0	0	0		.1	1.3	2.6	.8	0	.1		.1
10	0	0	0		6.5	1.1	2.2	.S	.6	.1		.2
11	0	0	0		5	.9	2.0	.8	2.3	.1		0
12	0	0	0		12	.S	1.9	.8	1.1	.1		0
13	0	0	0		14	.5	1.3	.8	0	.1		0
14	.1	0	0		24	.4	.4	.6	0	0		0
15	.4	.2	0		18	.3	.2	.1	.4	0		0
16	0	0	0		25	.3	.1	.1	.2	0		0
17	0	.7	0		17	.3	.6	.1	.2	0		0
18	0	.7	0		8	.4	1.3	.1	.2	0		0
19	0	0	0		7	.4	1.3	0	.2	0		0
20	0	0	0		6	.7	1.3	0	.2	0		0
21	0	0	0		5	.6	1.3	0	.2	0		0
22	0	.1	0		6	.9	1.3	0	.4	0		0
23	0	.1	0		16	.7	1.3	0	.2	0		0
24	0	0	0		12	.8	1.3	0	.2	0		0
25	0	0	0		5.5	.7	1.3	0	.2	0		0
26	0	0	0		4.8	.6	1.3	0	.2	0		0
27	0	0	0		1.1	.6	1.3	0	.2	0		0
28	0	0	0		1.4	.6	1.2	0	.2	0		0
29	0	0	.7		1.3	.6	1.1	0	.2	0		0
30	.7	0	.2		-	.6	1.0	0	.2	0		0
31	.3	-	0		-	3.7	-	0	-	0		-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2.0	0.7	0	0.06	4.0
November	2.7	.7	0	.09	5.4
December	.9	.7	0	.03	1.S
Calendar year 1935	238.4	28	0	.65	474
January	0	0	0	0	0
February	207.9	25	.1	7.17	412
March	30.5	3.7	.3	.98	60
April	60.0	9.8	.1	2.00	119
May	12.2	1.0	0	.39	24
June	7.6	2.3	0	.25	15
July	1.8	.2	0	.06	3.6
August	0	0	0	0	0
September	.3	.2	0	.01	.6
Water year 1935-36	325.9	25	0	.89	645

Combined discharge, in second-feet, of Sawpit Creek and Monrovia pipe line near Monrovia, Calif., for water year October 1935 to September 1936.

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.9	1.1	1.1	0.1	2.1	2.7	3.1	1.5	1.3	0.9	0.9
2	.9	1.1	1.1	1.1	8.6	2.3	2.0	3.1	1.5	1.3	.9	.9
3	.9	1.2	1.1	1.1	2.5	3.0	4.8	3.1	1.5	1.3	.9	.9
4	.9	.9	1.1	1.1	1.6	2.7	10.4	3.0	1.5	1.3	.9	.9
5	.8	.8	1.1	1.1	1.2	2.6	5.6	2.8	1.5	1.3	.9	.9
6	.8	.8	1.1	1.1	.9	2.6	4.5	2.7	1.5	1.2	.9	.9
7	.8	.8	1.1	1.1	.8	2.6	4.4	2.7	1.5	1.2	.9	.9
8	.8	.8	.9	1.1	.7	2.6	5.4	2.7	1.5	1.2	.9	.9
9	.8	.8	.9	1.1	.1	2.7	5.1	2.7	1.5	1.2	.9	1.0
10	.8	.8	.9	1.1	6.5	2.8	4.8	2.7	2.1	1.2	.9	1.1
11	.8	.8	.9	1.1	5	2.8	4.4	2.7	3.8	1.2	.9	.9
12	.8	.8	.9	1.1	12	2.7	4.3	2.7	2.6	1.2	.9	.9
13	.8	.8	.9	1.1	14.8	2.6	3.7	2.7	1.5	1.2	.9	.9
14	.9	.8	.9	1.1	24	2.3	2.5	2.5	1.5	1.1	.9	.9
15	1.2	1.0	.9	1.1	18.0	1.9	2.3	2.0	1.9	1.1	.9	.9
16	.8	.8	.9	1.1	25	1.9	2.0	2.0	1.7	1.1	.9	.9
17	.8	1.5	.9	1.1	17.6	2.3	3.0	2.0	1.7	1.1	.9	.9
18	.8	1.5	.9	1.1	8.6	2.5	3.7	2.0	1.6	1.1	.9	.9
19	.8	.8	.9	1.1	7.6	2.3	3.7	1.9	1.6	1.1	.9	.9
20	.8	.8	.9	1.1	6.6	2.6	3.4	1.7	1.6	1.1	.9	.9
21	.8	.9	.9	1.1	5.6	2.3	3.3	1.7	1.6	1.1	.9	.9
22	.8	1.0	.9	1.1	6.6	2.8	3.2	1.7	1.8	1.1	.9	.9
23	.8	1.0	.9	1.1	16.6	2.4	3.2	1.7	1.6	1.1	.9	.9
24	.8	1.1	.9	1.1	12.6	2.5	3.2	1.7	1.6	1.1	.9	.9
25	.8	1.1	.9	1.1	6.1	2.1	3.2	1.7	1.6	1.1	.9	.9
26	.8	1.1	.9	1.1	5.4	2.3	3.2	1.6	1.6	.9	.9	.9
27	.8	1.1	.9	1.1	1.7	2.3	3.4	1.5	1.5	.9	.9	.9
28	.8	1.1	.9	1.1	2.0	2.4	3.3	1.5	1.3	.9	.9	.9
29	.8	1.1	1.6	1.1	1.9	2.5	3.2	1.5	1.3	.9	.9	.9
30	1.5	1.1	1.3	1.1	-	2.3	3.1	1.5	1.3	.9	.9	.9
31	1.1	-	1.1	1.1	-	4.3	-	1.5	-	.9	.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	26.3	1.5	0.5	0.85	52
November	29.1	1.5	.8	.97	58
December	30.6	1.6	.9	.99	61
Calendar year 1935	633.4	4.4	.5	1.74	1,260
January	34.1	1.1	1.1	1.1	68
February	220.7	25	.1	7.61	438
March	78.1	4.3	1.9	2.52	155
April	115.0	10.4	2.0	3.83	228
May	68.4	3.1	1.5	2.21	136
June	50.3	3.8	1.3	1.68	100
July	34.7	1.3	.9	1.12	69
August	27.9	.9	.9	.9	55
September	27.3	1.1	.9	.91	54
Water year 1935-36	742.5	25	.1	2.03	1,470

Monrovia pipe line near Monrovia, Calif.

Location.- Staff gage and weirs, lat. 34°10'0", long. 117°59'40", near southwest corner sec. 13, 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 1936.

Average discharge.- 20 years, 1.24 second-feet.

Extremes.- Maximum daily discharge during year, 2.6 second-feet Apr. 8 and 10; no flow Feb. 1, 9-12, 14-16.
1916-36: Maximum 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.8	1.1	1.1	0	0.6	0.6	2.1	1.5	1.1	0.9	0.9
2	.8	.8	1.1	1.1	.6	.6	.6	2.1	1.5	1.1	.9	.9
3	.8	.8	1.1	1.1	.6	1.1	.6	2.1	1.5	1.1	.9	.9
4	.8	.8	1.1	1.1	.6	1.1	.6	2.1	1.5	1.1	.9	.9
5	.8	.8	1.1	1.1	.6	1.1	.6	1.9	1.5	1.1	.9	.9
6	.8	.8	1.1	1.1	.6	1.1	.6	1.9	1.5	1.1	.9	.9
7	.8	.8	1.1	1.1	.6	1.1	1.2	1.9	1.5	1.1	.9	.9
8	.8	.8	.9	1.1	.6	1.1	2.6	1.9	1.5	1.1	.9	.9
9	.8	.8	.9	1.1	0	1.4	2.5	1.9	1.5	1.1	.9	.9
10	.8	.8	.9	1.1	0	1.7	2.6	1.9	1.5	1.1	.9	.9
11	.8	.8	.9	1.1	0	1.9	2.4	1.9	1.5	1.1	.9	.9
12	.8	.8	.9	1.1	0	1.9	2.4	1.9	1.5	1.1	.9	.9
13	.8	.8	.9	1.1	.8	2.1	2.4	1.9	1.5	1.1	.9	.9
14	.8	.8	.9	1.1	0	1.9	2.1	1.9	1.5	1.1	.9	.9
15	.8	.8	.9	1.1	0	1.6	2.1	1.9	1.5	1.1	.9	.9
16	.8	.8	.9	1.1	0	1.6	1.9	1.9	1.5	1.1	.9	.9
17	.8	.8	.9	1.1	.6	2.0	2.4	1.9	1.5	1.1	.9	.9
18	.8	.8	.9	1.1	.6	2.1	2.4	1.9	1.4	1.1	.9	.9
19	.8	.8	.9	1.1	.6	1.9	2.4	1.9	1.4	1.1	.9	.9
20	.8	.8	.9	1.1	.6	1.9	2.1	1.7	1.4	1.1	.9	.9
21	.8	.9	.9	1.1	.6	1.7	2.0	1.7	1.4	1.1	.9	.9
22	.8	.9	.9	1.1	.6	1.9	1.9	1.7	1.4	1.1	.9	.9
23	.8	.9	.9	1.1	.6	1.7	1.9	1.7	1.4	1.1	.9	.9
24	.8	1.1	.9	1.1	.6	1.7	1.9	1.7	1.4	1.1	.9	.9
25	.8	1.1	.9	1.1	.6	1.4	1.9	1.7	1.4	1.1	.9	.9
26	.8	1.1	.9	1.1	.6	1.7	1.9	1.6	1.4	.9	.9	.9
27	.8	1.1	.9	1.1	.6	1.7	2.1	1.5	1.3	.9	.9	.9
28	.8	1.1	.9	1.1	.6	1.8	2.1	1.5	1.1	.9	.9	.9
29	.8	1.1	.9	1.1	.6	1.9	2.1	1.5	1.1	.9	.9	.9
30	.8	1.1	1.1	1.1	-	1.7	2.1	1.5	1.1	.9	.9	.9
31	.8	-	1.1	1.1	-	.6	-	1.5	-	.9	.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	24.3	0.8	0.3	0.78	48
November	26.4	1.1	.8	.88	52
December	29.7	1.1	.9	.96	59
Calendar year 1935	395.4	3.4	0	1.08	784
January	34.1	1.1	1.1	1.10	68
February	12.8	.8	0	.44	25
March	47.6	2.1	.6	1.54	94
April	55.0	2.6	.6	1.83	109
May	56.2	2.1	1.5	1.81	111
June	42.7	1.5	1.1	1.42	85
July	32.9	1.1	.9	1.06	65
August	27.9	.9	.9	.9	55
September	27.0	.9	.9	.9	54
Water year 1935-36	416.6	2.6	0	1.14	825

San Dimas Creek near San Dimas, Calif.

Location.- Water-stage recorder, lat. 34°8'45", 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 1918 to September 1936.

Average discharge.- 19 years (1917-36), 3.41 second-feet.

Extremes.- Maximum discharge during year, 152 second-feet Apr. 10 (gage height, 2.22 feet); minimum, less than 0.1 second-foot at times.
1916-36: Maximum discharge, 1,140 second-feet Feb. 9, 1922; no flow for several months nearly every year.

Remarks.- Records good. Flood-control dam above gage regulates flow. San Dimas Water Co. diverts just below gage for irrigation. Results of several discharge measurements furnished by Los Angeles County Flood Control District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.3	0.8	-	0.1	0.2	0.8	0.7	0.5	3.2	3.5	3.1	-
2	3.4	.2	-	.1	.6	.8	.5	.5	3.3	3.5	3.0	-
3	2.4	.2	-	.2	.3	.8	.8	1.7	3.4	3.4	2.9	-
4	2.1	.2	-	.1	.2	.8	2.8	2.6	3.4	3.2	2.8	-
5	2.3	.1	-	-	.2	.8	1.4	2.7	3.4	3.3	2.6	-
6	2.2	.1	-	-	.2	.8	1.0	2.7	3.4	3.3	1.8	-
7	2.2	.1	.1	-	.2	.7	.8	2.5	3.4	3.3	.2	-
8	2.1	-	.2	-	.2	.7	.7	2.5	3.6	3.2	.2	-
9	1.8	.2	.2	.1	.2	.6	36	2.6	3.5	3.2	.2	-
10	1.7	.1	.1	.1	.2	.5	74	2.6	3.4	3.2	.1	-
11	1.3	-	.1	.1	7.5	.4	1.1	2.6	3.4	3.2	.1	-
12	.9	-	.2	.1	12	.5	1.0	3.2	3.3	3.2	.1	-
13	.9	-	.1	.1	7	.7	1.0	4.6	3.1	3.2	.1	-
14	.6	-	.2	.1	4.0	.7	1.0	6	3.0	3.1	-	-
15	.4	-	.2	.1	6	.7	1.0	7	2.9	3.3	-	-
16	.2	-	.2	.1	22	.6	.9	7	2.9	4.4	-	-
17	.2	-	.1	.1	22	.6	.6	7	3.0	4.2	-	-
18	.1	-	.1	.1	19	.5	.4	7	2.9	4.4	-	-
19	.1	-	.1	.1	19	.4	.5	7	2.9	4.4	-	-
20	.1	-	-	.1	22	.4	.5	7	2.8	4.3	-	-
21	.1	-	-	.1	11	.5	.5	7	2.8	4.2	-	-
22	-	-	-	.1	11	.5	.5	7	3.4	4.1	-	-
23	-	.1	-	.1	15	.4	.6	7	3.8	4.1	-	-
24	-	.1	.1	.1	14	.7	.6	7	3.8	4.0	-	-
25	-	.1	.1	.1	11	.6	.6	7	3.7	3.9	-	-
26	-	.1	-	.1	10	.4	.6	7.5	3.7	3.8	-	-
27	-	-	.1	.1	9.5	.5	.6	7	3.7	3.7	-	-
28	-	-	.1	.1	9.5	.4	.6	4.2	3.7	3.6	-	-
29	.1	-	.3	.1	3.8	.4	.6	3.1	3.6	3.5	-	-
30	.1	-	.2	-	-	.5	.6	3.1	3.8	3.3	-	-
31	.1	-	.2	-	-	1.6	-	3.1	-	3.2	-	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	30.11	4.3	-	0.97	60
November	3.35	.8	-	.11	6.6
December	3.75	.3	-	.12	7.4
Calendar year 1935	1,004.91	14	-	2.75	1,990
January	3.03	.2	-	.10	6.0
February	237.8	22	0.2	8.2	472
March	19.3	1.6	.4	.62	38
April	132.5	74	.4	4.42	263
May	142.3	7.5	.5	4.59	282
June	100.0	3.8	2.8	3.33	198
July	112.2	4.4	3.1	3.62	223
August	17.77	3.1	-	.573	35
September	.88	-	-	.029	1.7
Water year 1935-36	802.99	74	-	2.19	1,590

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

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Dalton Creek near Glendora, Calif.

Location.- Water-stage recorder, lat. 34°9'20", long. 117°49'50", in 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 1936.

Average discharge.- 16 years (1920-36), 0.97 second-foot.

Extremes.- Maximum discharge during year, 120 second-feet Feb. 11 (gage height, 1.64 feet); no flow for parts of several months.
1919-36: Maximum discharge, 660 second-feet Feb. 16, 1927 (gage height, 3.30 feet); no flow for several months 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 several discharge measurements furnished by Los Angeles County Flood Control District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1				0	0.8	0.8	0.3	0.1	0	0.5	
2	.1				1.5	.8	.5	.2	.1	0	.1	
3	.1				.1	.8	.8	.2	.1	0	0	
4	.1				0	.8	2.7	.2	.1	0	.1	
5	.1				0	.8	2.0	.2	.1	0	0	
6	.1				0	.7	1.0	.1	.1	0	0	
7	.1				0	.7	.7	.1	.1	0	0	
8	.1				0	.5	.5	.1	.1	0	0	
9	0				0	.4	.5	.1	.1	0	0	
10	0				0	.4	.5	.1	.1	0	0	
11	.1				10	.4	.4	.1	.1	0	0	
12	.1				5	.3	.4	.1	.1	0	0	
13	.1				4.0	.3	.4	.1	.1	0	0	
14	.1				4.0	.3	.4	.1	.1	0	0	
15	.1				4.0	.3	.4	2.0	0	0	0	
16	.1				6	.3	.4	.9	0	0	0	
17	.1				4.0	.3	.3	0	0	0	0	
18	.1				3.1	.3	.4	0	0	0	0	
19	.1				2.7	.3	.4	0	0	0	0	
20	.1				1.4	.3	.4	0	0	0	0	
21	.1				1.4	.3	.3	.2	0	0	0	
22	.1				1.4	.4	.3	.2	0	0	0	
23	0				5	.3	.3	.1	0	0	0	
24	0				3.1	.4	.3	.1	0	0	0	
25	0				2.3	.4	.3	.1	0	0	0	
26	0				1.7	.3	.3	.1	0	0	0	
27	0				1.4	.3	.3	.2	0	0	.1	
28	0				1.2	.2	.3	.1	0	0	0	
29	0				1.0	.2	.4	.1	0	0	0	
30	0				-	.5	.3	.1	0	.3	0	
31	0				-	1.2	-	.1	-	1.0	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2.0	0.1	0	0.06	4.0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	116.2	5	0	.32	230
January	0	0	0	0	0
February	64.3	10	0	2.22	128
March	14.3	1.2	.2	.46	28
April	17.0	2.7	.3	.57	34
May	6.3	2.0	.1	.20	12
June	1.4	.1	0	.05	2.8
July	1.3	1.0	0	.04	2.6
August	.8	.5	0	.03	1.6
September	0	0	0	0	0
Water year 1935-36	107.4	10	0	.29	213

Little Dalton Creek near Glendora, Calif.

Location.- Water-stage recorder, lat. 34°9'30", long. 117°50'15", in SE¼ sec. 20, 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 1936.

Extremes.- Maximum discharge during year, 118 second-feet Feb. 11 (gage height, 1.75 feet); no flow most of year.
1929-36: Maximum discharge, 201 second-feet Jan. 1, 1934; no flow for several months each year.

Remarks.- Records fair. Gage-height record and results of discharge measurements furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0		0.4	1.5	2.3	0.8				
2			0		10	1.3	1.2	.6				
3			0		.1	1.2	7	.5				
4			0		0	1.1	15	.4				
5			0		0	1.0	7	.2				
6			0		0	.9	2.9	.1				
7			0		0	.9	2.3	0				
8			0		0	.8	1.9	0				
9			0		0	.8	1.7	0				
10			0		0	.8	1.2	0				
11			0		19	.7	1.1	0				
12			0		11	.4	1.1	0				
13			0		13	.4	1.1	0				
14			0		11	.4	1.0	0				
15			0		9	.4	1.0	0				
16			0		11	.4	1.0	0				
17			0		7	.4	1.0	0				
18			0		7	.4	1.0	0				
19			0		2.9	.4	1.0	0				
20			0		2.3	.4	1.0	0				
21			0		2.1	.4	1.0	0				
22			0		1.5	.4	.9	0				
23			0		17	.4	.8	0				
24			0		6.5	.7	.8	0				
25			0		4.4	.4	.8	0				
26			0		3.3	.4	.8	0				
27			0		2.3	.4	.8	0				
28			0		1.9	.4	.7	0				
29			.2		1.7	.4	.7	0				
30			0		-	3.1	.7	0				
31			0		-	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	.2	.2	0	.006	.4
Calendar year 1935	193.4	26	0	.53	383
January	0	0	0	0	0
February	144.4	19	0	4.98	286
March	26.0	4.4	.4	.84	52
April	60.8	15	.7	2.03	121
May	2.6	.8	0	.08	5.2
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	234.0	19	0	.64	465

Brea Creek at Fullerton, Calif.

Location.- Water-stage recorder, lat. 33°52'25", long. 117°55'40", in San Juan Cajon de Santa Ana grant, on Ford Avenue Bridge, at Fullerton, Orange County. Prior to Oct. 1, 1935, gage located half a mile upstream.

Drainage area.- 26.4 square miles at present site. About 26.2 square miles (revised) at site used prior to Oct. 1, 1935.

Records available.- October 1930 to September 1936.

Extremes.- Maximum discharge during year, 285 second-feet Feb. 12; no flow most of year. 1930-36: Maximum discharge, 1,600 second-feet Oct. 17, 1934 (gage height, 7.60 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0				0.8	0						
2	0				1.3	0						
3	0				0	0						
4	0				0	0						
5	0				0	0						
6	.3				0	0						
7	0				0	0						
8	0				0	0						
9	0				0	0						
10	0				0	0						
11	0				15	0						
12	0				50	0						
13	0				6.5	0						
14	0				16	0						
15	0				4.7	0						
16	0				34	0						
17	0				1.4	0						
18	0				.9	0						
19	0				0	0						
20	0				0	0						
21	0				0	0						
22	0				0	0						
23	0				1.4	0						
24	0				.4	.1						
25	0				0	0						
26	0				0	0						
27	0				0	0						
28	0				0	0						
29	0				0	0						
30	0				-	0						
31	0				-	.1						

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.3	0.3	0	0.01	0.6
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	88.4	26	0	.24	175
January	0	0	0	0	0
February	132.4	50	0	4.57	263
March	.2	.1	0	.007	.4
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 1935-36	132.9	50	0	.36	264

Carbon Creek at Olinda, Calif.

Location.- Water-stage recorder, lat. 33°53'20", long. 117°50'40", in San Juan Cajon de Santa Ana grant, on Golden Avenue bridge 1½ miles south of Olinda, Orange County. Prior to Oct. 1, 1935, at site 1 mile upstream.

Drainage area.- 20.0 square miles; 19.1 square miles, former site.

Records available.- October 1930 to September 1936.

Extremes.- Maximum discharge during year, 330 second-feet Feb. 12 (gage height, 3.20 feet); no flow most of year.
1930-36: Maximum discharge, 728 second-feet Jan. 1, 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0							
2					3.2							
3					0							
4					0							
5					0							
6					0							
7					0							
8					0							
9					0							
10					0							
11					9.5							
12					29							
13					3.2							
14					8							
15					2.9							
16					12							
17					0							
18					2.2							
19					0							
20					0							
21					0							
22					0							
23					4.7							
24					0							
25					0							
26					0							
27					0							
28					0							
29					0							
30					-							
31					-							

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	30.7	16	0	.084	61
January	0	0	0	0	0
February	74.7	29	0	2.58	148
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	0	0	0	0	0
Water year 1935-36	74.7	29	0	.20	148

Los Angeles River at Los Angeles, Calif.

Location.- Water-stage recorder, lat. 34°4'50", long. 118°13'35", on Figueroa Street Bridge (formerly Dayton Avenue), Los Angeles, and 0.1 mile above junction with Arroyo Seco.

Drainage area.- 510 square miles.

Records available.- December 1929 to September 1936.

Extremes.- Maximum discharge during year, 2,420 second-feet Mar. 30; minimum, 0.4 second-foot Sept. 27.
1929-36: Maximum discharge, 22,000 second-feet Jan. 1, 1934 (gage height, 16.4 feet); no flow for several periods most years.

Remarks.- Records good except those for low stages, which are fair. Gage-height record and results of discharge measurements furnished by Los Angeles County Flood Control District, through C. H. Howell, chief engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.0	.6	1.3	24	9.5	10	9	1.2	1.2	1.3	.5
2	1.4	1.1	.6	1.1	104	8.5	4.6	7	1.2	1.2	1.4	.5
3	1.4	.7	.6	1.1	10	8	63	6	1.4	1.2	1.4	.5
4	1.3	.7	.7	1.0	4.0	8.5	51	5	1.6	1.2	1.4	.6
5	1.3	.7	.8	.9	2.0	8	8.5	4	1.6	1.2	1.3	.6
6	1.2	.6	.9	.8	.8	7	6	2	1.6	1.3	1.3	.6
7	1.2	.6	.8	.8	.8	6.5	5	1.3	1.3	1.4	1.1	.8
8	1.1	.6	.8	.8	.8	13	3.1	1.4	1.2	1.6	.9	.8
9	1.0	.6	.8	.8	.8	16	2.4	1.6	1.1	1.8	.9	.7
10	.9	.6	.8	.8	2.0	8.5	2.9	2.0	1.1	1.4	.8	.7
11	.9	.7	.8	.8	108	10	2.9	2.0	1.1	1.4	.8	.7
12	.9	.7	.8	.8	322	6	3.1	1.6	1.1	1.6	.8	.7
13	1.0	.7	.9	.8	172	6	3.3	1.8	1.2	1.6	.7	.7
14	1.0	.7	.9	.9	144	4.3	4.3	1.3	1.3	1.6	.8	.7
15	.8	.7	.9	.9	123	3.1	5.5	1.3	1.3	1.8	.7	.6
16	.8	.7	.9	.9	211	2.7	9	1.6	1.4	1.8	.6	.6
17	.8	17	.9	.8	30	2.0	13	1.8	1.4	1.8	.8	.5
18	.7	1.2	.9	.9	76	1.4	12	1.4	1.6	1.8	.7	.7
19	.7	1.0	.8	.9	28	1.1	15	1.6	1.6	1.6	.6	.8
20	.6	.9	.9	.9	26	1.2	15	1.4	1.4	1.4	.6	1.0
21	.6	.9	.9	.9	28	1.3	16	1.6	1.4	1.3	.6	1.3
22	.6	1.0	.9	.8	38	1.1	17	1.6	1.4	1.2	.6	.6
23	.6	.9	.9	.8	144	1.1	17	1.4	1.3	1.0	.6	.6
24	.6	.9	1.0	.8	33	7	17	1.4	1.3	1.1	.7	.5
25	.6	1.0	1.0	.8	24	3.5	15	1.4	1.2	1.1	.7	.5
26	.7	1.0	1.0	.9	16	1.8	12	1.3	1.2	1.2	.8	.5
27	.7	1.0	1.1	.9	13	1.0	12	1.3	1.3	1.3	.7	.5
28	.7	.8	1.3	.9	11	1.0	12	1.3	1.2	1.3	.6	.5
29	.7	.7	4.2	1.6	13	3.5	11	1.3	1.2	1.3	.5	.6
30	.8	.7	.9	1.2	-	162	10	1.3	1.2	1.1	.4	.6
31	.8	-	1.1	1.3	-	180	-	1.2	-	1.0	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	27.8	1.4	0.6	0.90	55
November	40.4	17	.6	1.35	80
December	30.4	4.2	.6	.98	60
Calendar year 1935	4,736.6	568	.1	13.0	9,390
January	28.9	1.6	.8	.93	57
February	1,709.2	322	.8	58.9	3,390
March	494.6	180	1.0	16.0	981
April	378.6	63	2.4	12.6	751
May	70.2	9	1.2	2.26	139
June	39.4	1.6	1.1	1.31	78
July	42.8	1.8	1.0	1.38	85
August	25.5	1.4	.4	.82	51
September	19.5	1.3	.5	.65	39
Water year 1935-36	2,907.3	322	.4	7.94	5,770

Haines Creek near Tujunga, Calif.

Location.- Water-stage recorder, lat. 34°15'50", long. 118°16'15", in SW¼NW¼ sec. 17 (revised), T. 2 N., R. 13 W., 800 feet above mouth of canyon and 1½ miles northeast of Tujunga. Altitude, about 2,200 feet.

Drainage area.- 1.2 square miles.

Records available.- February 1917 to September 1934, October 1935 to September 1936.

Average discharge.- 18 years, 0.11 second-foot.

Extremes.- 1917-34, 1935-36: Maximum stage, 11.0 feet Jan. 1, 1934 (discharge not determined); no flow for periods nearly every year.

Remarks.- Records of daily discharge not sufficiently accurate to warrant publication. Monthly records poor.

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

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.155	-	-	*0.005	0.31
November	.180	-	-	*.006	.36
December	.155	-	-	*.005	.31
January	.124	-	-	*.004	.25
February	4.11	-	-	*.142	e.15
March	.627	-	-	*.02	1.24
April	.210	-	-	*.007	.42
May	.151	-	-	*.005	.29
June	.090	-	-	*.003	.18
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	5.802	-	0		11.5

*Estimated.

Arroyo Seco near Pasadena, Calif.

Location.- Water-stage recorder, lat. 34°13'20", long 118°10'40", near north line of sec. 31, T. 2 N., R. 12 W., 1½ 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 1936.

Average discharge.- 22 years (1913-15, 1916-36), 8.40 second-feet.

Extremes.- Maximum discharge during year, 706 second-feet Feb. 12 (gage height, 5.20 feet); minimum, less than 0.1 second-foot at numerous times.
1910-36: Maximum discharge, about 5,630 second-feet Feb. 20, 1914 (gage height, 12.5 feet); practically no flow for several months nearly every year.

Remarks.- Records fair. Discharge July 6-14, Aug. 1 to Sept. 30 computed on basis of seven discharge measurements and partial gage-height records.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.8	1.0	1.6	5.8	14	11	3.6	2.5	0.3	0.1	0.1
2	.4	.5	1.0	1.6	73	13	7.5	3.3	2.5	.3	.1	.1
3	.5	.5	1.0	1.4	11	12	8	3.3	2.5	.3	.1	.1
4	.5	.5	1.0	1.4	2.8	11	17	3.3	2.1	.3	.1	.1
5	.5	.5	1.0	1.4	2.0	9	10	3.3	2.0	.3	.1	.1
6	.4	.5	1.0	1.4	3.6	8.5	9	3.3	2.1	.3	.1	.1
7	.4	.5	1.0	1.4	2.8	8	7.5	3.0	2.2	.3	.1	.1
8	.4	.5	1.0	1.4	1.8	8	6.5	2.8	2.2	.3	.1	.1
9	.4	.6	1.0	1.4	3.6	8	6.5	2.8	2.1	.3	.1	.1
10	.3	.7	1.0	1.4	4.3	7.5	6.5	2.5	1.8	.3	.1	.1
11	.4	.8	.9	1.4	73	7	6.5	2.5	1.6	.3	.1	.1
12	.4	.8	.9	1.4	191	6.5	5	2.2	1.4	.3	.1	.1
13	.5	.8	1.1	1.2	67	6.5	5	2.2	1.2	.3	.1	.1
14	.7	.8	1.4	1.2	107	6.5	5	2.2	1.0	.3	.1	.1
15	.9	.7	1.7	1.1	94	6	5	2.2	1.0	.3	.1	.1
16	.7	.7	2.1	1.1	111	6	5	2.2	1.0	.2	.1	.1
17	.5	2.3	2.1	1.1	56	5.5	5	2.2	.9	.2	.1	.1
18	.5	2.2	1.9	1.1	43	5.5	4.7	2.2	.8	.1	.1	.1
19	.5	1.6	1.8	1.1	34	5.5	4.4	2.1	.7	.1	.1	.1
20	.5	1.4	1.6	1.1	23	5	4.4	2.1	.6	.1	.1	.1
21	.4	1.1	1.5	1.1	18	5	4.4	2.0	.6	.1	.1	.1
22	.4	1.0	1.4	1.0	19	5	4.2	1.8	.5	.1	.1	.1
23	.4	1.0	1.2	.9	67	5	4.2	1.8	.5	.1	.1	.1
24	.4	.9	1.1	.9	41	6	3.9	1.7	.4	.1	.1	.1
25	.4	.9	1.0	.8	29	5.5	3.9	1.8	.3	.1	.1	.1
26	.4	.9	.9	.8	22	5	3.9	2.0	.3	.1	.1	.1
27	.4	.9	1.1	.8	21	4.7	3.9	2.5	.3	.2	.1	.1
28	.4	.9	1.5	.9	19	4.4	3.9	2.1	.3	.2	.1	.1
29	.4	.9	1.6	1.0	15	4.4	3.9	2.0	.3	.2	.1	.1
30	.5	.9	1.6	1.2	-	11	3.9	2.1	.3	.1	.1	.1
31	.7	-	1.6	1.2	-	26	-	2.2	-	.1	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14.5	0.9	0.3	0.47	29
November	27.1	2.3	.5	.90	54
December	40.0	2.1	.9	1.29	79
Calendar year 1935	3,060.9	274	.1	8.39	6,070
January	36.8	1.6	.8	1.19	73
February	1,160.7	191	1.8	40.0	2,300
March	241.0	26	4.4	7.77	478
April	179.6	17	3.9	5.99	356
May	75.3	3.6	1.7	2.43	149
June	36.0	2.5	.3	1.20	71
July	6.6	.3	.1	.21	13
August	3.1	.1	.1	.10	6.1
September	3.0	.1	.1	.10	6.0
Water year 1935-36	1,823.7	191	.1	4.98	3,610

Santa Anita Creek near Sierra Madre, Calif.

Location.- Water-stage recorder, lat. 34°11'30", long. 118°1'0", 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 1936.

Average discharge.- 20 years, 4.40 second-feet.

Extremes.- Maximum discharge during year, 349 second-feet Feb. 12 (gage height, 4.52 feet); minimum, 0.2 second-foot at numerous times.
1916-36: 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. Discharge interpolated Dec. 15-17. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.9	0.9	0.9	1.6	8.5	13	9.5	4.2	2.5	0.9	0.4	0.2
2	1.1	.9	.9	1.6	49	12	8	3.9	2.6	.9	.3	.3
3	.9	1.0	.9	1.5	8.5	11	9.5	3.8	2.6	.8	.3	.5
4	.9	.9	1.1	1.4	5	11	22	3.6	2.4	.8	.3	.6
5	.8	.9	1.1	1.3	3.9	10	13	3.6	2.2	.8	.3	.5
6	.8	.8	1.1	1.3	3.1	9.5	11	3.5	2.2	.8	.3	.3
7	.8	.8	1.1	1.3	2.6	9	9.5	3.1	2.4	.7	.2	.2
8	.8	.8	1.1	1.3	2.2	8.5	8.5	2.5	2.0	.8	.2	.2
9	.6	.9	1.1	1.4	2.0	7.5	7.5	2.5	1.9	.8	.4	.2
10	.5	.9	1.0	1.4	1.9	7.5	7	2.5	1.6	1.0	.4	.2
11	.6	.9	1.0	1.5	31	6.5	6.5	2.5	1.6	.9	.4	.2
12	.9	.9	1.0	1.6	96	6.5	6.5	2.5	1.6	.8	.4	.3
13	.9	.9	1.0	1.5	58	6.5	6	2.5	1.5	.6	.4	.4
14	1.1	1.0	1.0	1.4	57	6	6	2.5	1.4	.5	.4	.5
15	1.3	.9	1.0	1.4	54	5.5	6	2.5	1.4	.4	.3	.4
16	1.0	.9	1.0	1.4	57	5.5	5.5	2.5	1.4	.4	.3	.4
17	.8	1.7	.9	1.4	36	5	5.5	2.5	1.4	.3	.3	.3
18	.6	1.8	.9	1.4	30	5	5.5	2.5	1.2	.3	.3	.3
19	.8	1.4	.9	1.4	23	4.8	5.5	2.5	1.0	.5	.3	.2
20	.9	1.2	.9	1.4	19	4.6	5.5	2.5	1.1	.4	.4	.2
21	1.0	1.1	1.0	1.3	16	4.9	5.5	2.5	1.1	.4	.4	.2
22	.9	1.1	1.0	1.3	17	4.9	5.5	2.4	1.0	.3	.4	.2
23	.8	1.1	1.0	1.3	36	4.6	5.5	2.2	1.1	.4	.3	.2
24	.8	1.1	1.0	1.2	23	5.5	4.9	2.2	1.0	.4	.2	.2
25	.8	1.1	1.0	1.1	21	5	4.9	2.4	.9	.4	.3	.2
26	.8	1.2	1.0	1.1	18	4.6	4.8	2.6	.8	.7	.3	.2
27	.7	1.1	1.0	1.1	17	4.4	4.8	2.6	.8	.8	.3	.2
28	.7	1.1	1.0	1.1	15	4.2	4.8	2.4	.9	.7	.3	.2
29	.9	1.0	2.8	1.2	13	4.2	4.6	2.4	.9	.6	.3	.2
30	.9	1.0	2.2	1.2	-	8	4.2	2.4	1.0	.4	.2	.2
31	.9	-	1.8	1.2	-	24	-	2.4	-	.4	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	26.2	1.3	0.5	0.85	52
November	31.3	1.8	.8	1.04	62
December	34.7	2.8	.9	1.12	69
Calendar year 1935	2,022.1	153	.5	5.54	4,010
January	41.6	1.6	1.1	1.34	83
February	723.7	96	1.9	25.0	1,440
March	229.2	24	4.2	7.39	455
April	213.5	22	4.2	7.12	423
May	84.7	4.2	2.2	2.73	168
June	45.5	2.6	.8	1.52	90
July	18.9	1.0	.3	.61	37
August	9.8	.4	.2	.32	19
September	8.4	.6	.2	.28	17
Water year 1935-36	1,467.5	96	.2	4.01	2,920

Little Santa Anita Creek near Sierra Madre, Calif.

Location.- Water-stage recorder, lat. 34°11'15", long. 118°2'35", near center of NW¼ sec. 9, 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 1936.

Average discharge.- 19 years (1916-25, 1926-36), 0.632 second-foot.

Extremes.- Maximum discharge during year, 42 second-feet Feb. 12 (gage height, 1.80 feet); minimum, less than 0.1 second-foot at times during October and September.

1916-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	0.1	0.1	0.2	0.7	1.8	1.4	0.6	0.4	0.2		
2	0.1	.1	.1	.2	2.8	1.6	1.1	.6	.4	.2		
3	-	.1	.1	.2	.6	1.5	1.1	.5	.4	.2		
4	-	.1	.2	.2	.5	1.4	2.1	.5	.4	.2		
5	-	.1	.1	.2	.5	1.3	1.6	.5	.3	.1		
6	-	.1	.1	.2	.4	1.3	1.3	.5	.3	.1		
7	.1	.1	.2	.2	.4	1.1	1.2	.5	.4	.1		
8	-	.1	.2	.2	.4	1.0	1.1	.5	.3	.1		
9	-	.1	.2	.2	.4	.9	1.1	.5	.3	.1		
10	-	.1	.2	.2	.4	.9	1.0	.5	.3	.1		
11	-	.1	.2	.2	3.6	.8	1.0	.5	.3	.1		
12	-	.1	.2	.2	9.5	.8	.9	.5	.3	.1		
13	-	.1	.2	.2	9	.7	.9	.5	.2	.1		
14	.1	.1	.2	.2	7.5	.7	.8	.5	.2	.1		
15	.1	.1	.2	.2	7.5	.7	.8	.5	.2	.1		
16	.1	.1	.1	.2	9	.7	.8	.5	.3	.1		
17	.1	.3	.1	.2	6	.7	.8	.5	.2	.1		
18	.1	.2	.1	.2	5	.6	.8	.5	.2	.1		
19	.1	.1	.1	.2	3.9	.6	.8	.5	.2	.1		
20	.1	.1	.1	.2	3.1	.6	.7	.5	.2	.1		
21	.1	.1	.1	.2	2.9	.6	.7	.5	.2	.1		
22	.1	.1	.1	.2	3.4	.7	.7	.4	.2	.1		
23	-	.1	.1	.2	3.7	.6	.7	.4	.2	.1		
24	-	.1	.1	.2	2.9	.7	.6	.4	.2	.1		
25	-	.1	.1	.2	2.8	.7	.6	.4	.2	.1		
26	-	.1	.1	.2	2.6	.6	.6	.4	.2	.1		
27	-	.1	.1	.2	2.5	.6	.6	.4	.2	.1		
28	.1	.1	.1	.1	2.3	.6	.6	.4	.2	.1		
29	.1	.1	.5	.1	2.1	.6	.6	.4	.2	.1		
30	.1	.1	.4	.1	-	1.2	.6	.4	.2	.1		
31	.1	-	.3	.2	-	2.8	-	.4	-	.1		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2.91	0.1	-	0.094	5.8
November	3.3	.3	0.1	.11	6.5
December	5.0	.5	.1	.16	9.9
Calendar year 1935	268.01	17	-	.73	531
January	5.9	.2	.1	.19	12
February	96.4	9.5	.4	3.32	191
March	29.4	2.8	.6	.95	58
April	27.6	2.1	.6	.92	55
May	14.7	.6	.4	.47	29
June	7.8	.4	.2	.26	15
July	3.5	.2	.1	.11	6.9
August	1.45	-	-	.047	2.9
September	.60	-	-	.02	1.2
Water year 1935-36	198.56	9.5	-	.543	393

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

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 1936.

Average discharge.- 18 years, 1.94 second-feet.

Extremes.- Maximum discharge during year, 143 second-feet Feb. 12 (gage height, 2.85 feet); no flow for several months.
1918-36: Maximum discharge, 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 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 1935-36

October	27	May	105
November	37	June	66
December	42	July	32
January	45	August	18
February	146	September	14
March	190		
April	201	The year	925

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					1.1	2.1	0.5					
2					27	1.9	0					
3					6	1.1	.5					
4					0	0	10					
5					0	.3	3.3					
6					0	.9	.6					
7					0	.3	.3					
8					0	0	1.8					
9					0	0	1.8					
10					0	0	1.0					
11					20	0	.9					
12					46	0	0					
13					49	.1	0					
14					38	.4	0					
15					41	.2	0					
16					40	0	0					
17					21	0	0					
18					16	0	0					
19					9.5	0	0					
20					6.5	0	0					
21					5.5	0	0					
22					4.3	0	0					
23					24	0	0					
24					11	0	0					
25					6.5	0	0					
26					4.7	0	0					
27					3.1	0	0					
28					3.1	0	0					
29					1.3	0	0					
30					-	1.6	0					
31					-	22	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	317.6	75	0	.87	630
January	0	0	0	0	0
February	384.6	49	0	13.3	763
March	30.9	22	0	1.00	61
April	20.7	10	0	.69	41
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 1935-36	436.2	49	0	1.19	865

Piru Creek near Piru, Calif.

Location.- Water-stage recorder, lat. 34°25'30", long. 118°45'45", in southern part of Temescal grant, about 1¾ miles northeast of Piru and 2 miles above junction with Santa Clara River, Ventura County. Altitude, about 780 feet.

Drainage area.- 432 square miles.

Records available.- October 1911 to September 1913, October 1934 to September 1936. October 1927 to September 1934 at site at Piru, 1½ miles downstream.

Extremes.- Maximum discharge during year, 1,040 second-feet Feb. 12 (gage height, 3.9 feet); minimum, 0.4 second-foot at various times during August and September.
1911-13, 1927-36: Maximum discharge, 15,800 second-feet Feb. 9, 1932; no flow during parts of some years.

Remarks.- Records good. Doheny ditch diverts above station. Piru Water Co. diverts below station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	1.1	3.4	7.5	109	59	43	10	1.6	0.6	0.6	0.4
2	.5	2.0	3.6	7.5	469	52	35	10	1.8	.6	.6	.4
3	.6	1.9	3.9	7	156	46	33	9	1.8	.6	.6	.7
4	.5	1.8	4.3	7	59	42	40	8	2.1	.6	.6	.6
5	.5	1.8	4.3	7	38	39	37	6	2.1	.6	.6	.6
6	.5	1.7	4.4	7	29	38	31	7	1.6	.6	.6	.6
7	.6	1.6	4.4	6.5	23	35	26	6	1.8	.6	.6	.6
8	.6	1.6	4.4	6.5	20	34	23	4.6	3.2	.7	.6	.6
9	.6	1.8	4.4	7	18	33	21	4.4	3.2	.7	.6	.6
10	.5	1.8	4.4	6.5	18	31	20	3.8	2.1	.8	.6	.6
11	.6	1.8	4.4	7	107	30	18	3.6	1.6	.7	.7	.5
12	.6	1.8	4.6	7	450	28	18	2.9	1.5	.6	.6	.5
13	.6	1.8	4.6	6.5	368	27	16	2.9	1.4	.6	.6	.6
14	.7	1.8	4.6	6.5	185	26	16	3.2	1.4	.6	.5	.6
15	.8	1.8	4.6	6	355	25	16	2.9	1.6	.5	.5	.6
16	.9	1.8	4.6	6	327	23	15	2.8	1.4	.5	.5	.6
17	.8	6.5	4.9	6	235	23	15	2.9	1.2	.5	.5	.6
18	.7	17	5	6	247	22	15	3.1	.7	.5	.5	.6
19	.6	5.5	5	6	160	21	15	3.1	.6	.5	.5	.6
20	.6	3.9	5	6	127	20	15	2.9	.6	.5	.5	.6
21	.9	3.2	5.5	6	102	20	15	2.8	.5	.4	.5	.6
22	1.0	2.9	5.5	6	120	19	15	2.5	.5	.4	.5	.6
23	1.1	2.9	6	6	433	19	14	2.4	.5	1.4	.4	.6
24	1.2	2.8	6	6	227	23	13	2.4	.5	1.0	.4	.6
25	1.3	2.8	6	6	144	27	13	1.6	.5	.9	.4	.6
26	1.2	2.8	6	6	107	21	12	.9	.5	.8	.4	.6
27	1.3	2.9	6	6	91	20	12	1.2	.5	.7	.4	.6
28	1.3	2.9	6	6	77	18	12	1.4	.6	.7	.4	.6
29	1.4	3.1	16	6	67	18	13	1.2	.6	.7	.4	.6
30	1.4	3.2	12	6	-	34	12	1.1	.6	.6	.4	.6
31	1.2	-	9.5	6.5	-	150	-	1.2	-	.6	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	25.6	1.4	0.5	0.83	51
November	90.3	17	1.1	3.01	179
December	173.3	16	3.4	5.59	344
Calendar year 1935	14,769.9	1,180	.3	40.5	29,300
January	199.0	7.5	6	6.42	395
February	4,868	469	18	168	9,650
March	1,023	150	18	33.0	2,030
April	599	43	12	20.0	1,190
May	117.8	10	.9	3.80	234
June	38.6	3.2	.5	1.29	77
July	20.1	1.4	.4	.65	40
August	16.0	.7	.4	.52	32
September	17.5	.7	.4	.58	35
Water year 1935-36	7,188.2	469	.4	19.6	14,260

Hopper Creek near Piru, Calif.

Location.- Water-stage recorder, lat. 34°19'0", 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 1936.

Extremes.- Maximum discharge during year, 810 second-feet Feb. 2 (gage height, 5.60 feet); no flow for several months.
1930-32, 1933-36: Maximum discharge, 5,300 second-feet Dec. 31, 1933 (gage height, 9.10 feet); no flow for several months each year.

Remarks.- Records furnished by Ventura County Water Survey.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0	76	2.9	3.1	0.4				
2		0	0	0	150	2.5	2.7	.4				
3		0	0	0	7	2.2	3.4	.3				
4		0	0	0	1.4	2.2	12	.3				
5		0	0	0	1.1	2.1	5	.2				
6		0	0	0	.8	1.9	4.0	.2				
7		0	0	0	.4	1.8	2.2	.2				
8		0	0	0	.3	1.7	.9	.2				
9		0	0	0	.2	1.5	.9	.2				
10		0	0	0	.1	1.4	.9	.2				
11		0	0	.3	55	1.4	.9	.1				
12		0	0	.1	130	1.4	.9	.1				
13		0	0	0	34	1.4	.9	.1				
14		0	0	0	38	1.4	.8	.1				
15		0	0	0	40	1.4	.8	.1				
16		0	0	0	96	1.4	.8	.1				
17		2.0	0	0	13	1.4	.7	.1				
18		5.5	0	0	28	1.4	.7	.1				
19		.3	0	0	11	1.4	.6	.1				
20		0	0	0	5.5	1.4	.6	.1				
21		0	0	0	4.0	1.4	1.0	0				
22		0	0	0	34	.9	.9	0				
23		0	0	0	50	.2	.8	0				
24		0	0	0	12	2.0	.7	0				
25		0	0	0	7	2.6	.6	0				
26		0	0	0	4.9	1.0	.6	0				
27		0	0	0	4.3	.8	.5	0				
28		0	0	0	3.7	.6	.5	0				
29		0	4.7	0	3.3	.3	.4	0				
30		0	1.4	0	-	9.5	.4	0				
31		-	.2	.1	-	32	-	0				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	7.8	5.5	0	.26	15
December	6.3	4.7	0	.20	12
Calendar year 1935	657.8	123	0	1.80	1,300
January	.5	.3	0	.16	1.0
February	811.0	150	.1	28.0	1,610
March	85.5	32	.2	2.76	170
April	49.2	12	.4	1.64	98
May	3.6	.4	0	.12	7.1
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	963.9	150	0	2.63	1,910

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 3½ miles north of Fillmore. Altitude, about 590 feet.

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

Records available.- November 1934 to September 1936. Comparable records obtained September 1911 to September 1913, October 1927 to November 1934 at site at Sespe, 3 miles downstream.

Extremes.- Maximum discharge during year, 7,200 second-feet Feb. 12 (gage height, 6.42 feet); minimum, less than 0.1 second-foot at numerous times.
1911-13, 1927-36: Maximum discharge, about 34,000 second-feet Dec. 31, 1933; no flow at times during most years.

Remarks.- Records good. About 3,500 acre-feet diverted by Fillmore Irrigation Co. 1 mile above station (see miscellaneous measurements).

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	9	12	544	157	127	31	5	0.2	0.1	0.1
2	.2	.3	9	11	2,500	144	110	30	4.5	.2	.1	.1
3	.2	.3	11	10	277	134	103	28	5	.2	.1	.1
4	.2	.3	17	9.5	93	120	183	27	4.5	.2	.1	.1
5	.2	.2	16	9.5	65	110	110	26	4.0	.2	.1	.1
6	.2	.2	12	9	56	103	96	25	3.5	.2	.1	.1
7	.2	.2	12	8.5	45	96	85	23	3.0	.2	.1	.1
8	.2	.2	11	8.5	37	90	76	20	2.5	.2	.1	.1
9	.1	.3	11	9.5	34	85	70	19	2.0	.2	.1	.1
10	.1	.4	10	9.5	32	81	66	18	1.8	.2	.1	.1
11	.1	.3	10	9.5	972	78	59	16	1.5	.2	.1	.1
12	.1	.3	10	9	2,950	76	55	13	1.0	.2	.1	.1
13	.1	.3	9.5	9	1,170	74	53	11	.9	.2	.1	.1
14	.1	.4	9.5	9	1,000	71	52	10	.8	.2	.1	.1
15	.1	.4	8.5	8.5	1,590	68	50	8	.7	.1	.1	.1
16	.1	.4	7.5	8.5	1,510	66	48	7	.6	.1	.1	.1
17	.1	11	7	8.5	556	65	46	6	.5	.1	.1	.1
18	.1	19	5.5	8.5	700	64	45	7	.5	.1	.1	.1
19	.1	12	4.2	8.5	418	62	42	7	.5	.1	.1	.1
20	.1	10	3.6	6	300	59	41	8	.4	.1	.1	.1
21	.1	9.5	3.4	4.2	259	58	42	7	.4	.1	.1	.1
22	.1	9	2.2	3.4	604	58	41	6.5	.3	.1	.1	.1
23	.1	9	1.0	2.6	1,270	56	40	5.5	.3	.1	.1	.1
24	.1	9	.7	2.6	496	62	38	4.8	.3	.1	.1	.1
25	.1	9	.6	2.8	365	64	36	4.3	.3	.1	.1	.1
26	.1	9	.6	2.8	283	55	35	4.0	.3	.1	.1	.1
27	.1	9	.7	2.0	237	52	34	3.8	.2	.1	.1	.1
28	.1	9	.8	1.0	197	52	34	4.3	.2	.1	.1	.1
29	.1	9	22	1.2	174	48	34	4.8	.2	.1	.1	.1
30	.2	9	20	1.2	-	240	32	5.5	.2	.1	.1	.1
31	.2	-	16	1.3	-	413	-	5	-	.1	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4.1	0.2	0.1	0.13	8.1
November	147.2	19	.2	4.91	292
December	261.3	22	.6	8.43	518
Calendar year 1935	33,471.9	4,440	.1	91.7	66,400
January	207.1	12	1.0	6.68	411
February	18,734	2,950	32	646	37,160
March	2,961	413	48	95.5	5,870
April	1,883	183	32	62.8	3,730
May	395.5	31	3.8	12.8	784
June	45.9	5	.2	1.53	91
July	4.5	.2	.1	.15	8.9
August	3.1	.1	.1	.10	6.1
September	3.0	.1	.1	.10	6.0
Water year 1935-36	24,649.7	2,950	.1	67.3	48,890

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 1936. April 1912 to September 1913 at site about 2½ miles upstream. October 1927 to February, 1931 at site 500 feet downstream, below diversion of Santa Paula Water Works, Ltd.

Extremes.- Maximum discharge during year, 3,380 second-feet Feb. 12 (gage height, 4.95 feet); minimum, 0.5 second-foot Aug. 18.
1927-36: Maximum discharge, about 10,000 second-feet Dec. 31, 1933 (gage height, 8.30 feet); minimum, 0.3 second-foot Aug. 25, 1933.

Remarks.- Records good. About 305 acre-feet diverted from stream above station. Discharge Oct. 3 to Nov. 16, Nov. 19 to Dec. 2, Dec. 5-28, Jan. 1-30, June 1 to Sept. 30 taken from records of Santa Paula Water Works, Ltd. Discharge Mar. 17, Apr. 21-25, and Apr. 30 to May 7 computed on basis of records for adjacent stations.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	2.7	3.4	3.3	50	50	28	13	8.5	5.5	1.8	1.8
2	3.4	3.8	3.1	3.6	298	44	27	12	9	4.6	1.8	2.2
3	2.9	3.4	3.8	3.8	36	41	28	12	9.5	4.5	1.5	2.3
4	2.3	3.3	3.6	3.7	15	39	40	11	8.5	4.3	1.3	2.6
5	2.4	3.2	4.1	3.9	10	37	29	11	8	4.1	1.5	3.0
6	2.4	3.2	4.1	4.0	7.5	35	26	11	8	4.5	2.0	2.8
7	2.4	3.1	4.1	3.5	7	33	25	11	8	4.5	1.7	2.9
8	2.4	3.0	4.0	3.3	6.5	32	24	10	8	4.3	1.0	2.7
9	2.4	3.1	3.9	3.6	6	30	22	10	7	3.9	2.1	1.9
10	2.3	3.5	4.0	3.7	6.5	29	21	10	6.5	3.6	1.6	1.8
11	2.4	3.4	4.5	3.9	164	27	20	10	6	3.5	.9	1.5
12	2.6	3.1	4.1	3.8	655	26	20	10	6	3.3	.8	1.7
13	2.5	2.6	3.8	3.7	281	25	19	10	6	3.4	1.0	2.0
14	2.2	2.3	3.5	3.7	319	24	19	9	6	4.3	1.6	2.0
15	2.3	2.5	3.7	3.6	336	24	19	8.5	5.5	3.5	1.4	1.8
16	2.7	2.5	3.8	3.5	433	23	18	8.5	5	2.7	1.3	1.8
17	2.0	6	3.7	3.5	165	23	18	8.5	3.8	2.8	1.2	1.7
18	1.9	3.6	3.5	3.4	134	24	18	9	3.4	3.3	1.6	2.0
19	2.1	3.7	2.8	3.6	107	23	18	9	3.5	3.8	2.1	2.7
20	2.2	3.6	2.6	3.4	86	22	18	9	4.1	3.7	2.0	2.9
21	2.5	3.5	2.7	3.2	70	22	16	9	4.9	3.6	2.4	2.0
22	2.4	3.5	3.1	3.0	172	22	14	9	5	3.6	2.3	2.3
23	1.5	3.6	3.1	3.1	236	22	16	9	5.5	3.1	1.8	2.4
24	2.2	3.9	2.7	3.6	155	21	17	9	4.8	2.6	1.7	2.0
25	2.6	3.9	3.1	3.8	118	20	17	9	4.3	2.7	1.9	1.7
26	2.6	3.1	3.0	3.8	89	20	16	9	4.2	3.2	2.2	1.6
27	2.7	3.1	3.0	3.4	78	18	14	9.5	4.2	3.2	1.7	1.5
28	3.1	2.9	2.7	3.0	68	18	14	9.5	4.9	3.3	1.9	1.4
29	3.0	3.1	9	2.8	55	18	14	10	5.5	2.5	1.9	.9
30	2.9	3.1	3.8	2.6	-	69	13	10	5.5	2.1	1.9	.9
31	2.7	-	3.4	3.2	-	43	-	9.5	-	1.8	1.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	77.4	3.4	1.5	2.50	154
November	99.3	6	2.3	3.31	197
December	113.7	9	2.6	3.67	226
Calendar year 1935	5,751.7	330	1.5	15.8	11,410
January	108.0	4.0	2.6	3.48	214
February	4,163.5	655	6	144	8,260
March	904	69	18	29.2	1,790
April	608	40	13	20.3	1,210
May	305.0	13	8.5	9.84	605
June	179.1	9.5	3.4	5.97	355
July	109.8	5.5	1.8	3.54	218
August	51.7	2.4	.8	1.67	103
September	60.8	3.0	.9	2.03	121
Water year 1935-36	6,780.3	655	.8	18.5	13,450

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 1936.

Extremes.- Maximum discharge during year, 1,430 second-feet Feb. 2 (gage height, 4.35 feet); minimum, 1.9 second-feet Aug. 31.
1927-36: 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. Discharge Apr. 7-14 computed on basis of record for Santa Paula Creek near Santa Paula. No diversion above station. Results of 13 discharge measurements furnished by Ventura County Water Survey.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	5	6	6.5	121	52	30	14	9	4.5	2.7	2.0
2	6	5	6	6.5	374	48	26	14	9	4.5	2.7	2.2
3	6	5.5	6	6	36	44	27	14	9	4.5	2.7	2.7
4	6	5.5	6.5	6	22	43	34	14	8.5	4.2	2.7	2.9
5	6	5.5	7.5	6	18	40	26	13	8.5	3.9	2.7	3.2
6	5.5	5.5	7.5	6	16	38	24	13	8	3.9	2.6	2.9
7	6	5.5	7	6	14	36	23	12	8	3.9	2.6	2.6
8	5.5	6	7	6	14	34	22	11	7.5	3.9	2.7	2.6
9	5.5	6	7	6	13	33	21	11	7	4.5	3.5	2.6
10	5	6	7	6	13	32	20	11	6.5	4.8	3.9	2.6
11	5	6	6.5	6	180	30	20	11	6.5	4.8	2.9	2.7
12	5	6	6.5	6	302	29	19	11	6.5	4.2	2.7	2.9
13	5	5.5	6.5	6	184	29	19	10	6	3.9	2.7	2.9
14	5.5	5	6.5	6	226	28	18	9	6	3.5	2.6	2.9
15	6	4.9	6.5	6	350	28	18	9	6	3.2	2.4	2.9
16	5.5	5	6.5	6	234	27	18	9	6	3.2	2.4	2.9
17	5.5	11	6.5	6	133	27	17	9	5.5	2.9	2.2	2.7
18	5.5	14	6.5	6	118	26	17	9.5	5	2.9	2.2	2.7
19	5	9.5	6.5	6	86	25	17	9	4.8	2.9	2.0	2.7
20	5	7	6	6	72	24	16	8.5	4.8	2.9	2.0	2.7
21	5	6.5	6	6	63	24	16	8.5	4.5	2.7	2.2	2.7
22	5	6.5	6	6	155	23	16	8.5	4.5	2.7	2.2	2.6
23	5	6	6.5	6	169	22	16	8	4.5	2.7	2.2	2.6
24	5	6	6.5	6	109	24	16	8	4.5	2.7	2.0	2.2
25	5	6	6.5	6	88	23	15	8.5	4.2	2.9	2.0	2.2
26	5	6.5	6.5	6	76	21	15	9	4.2	2.9	2.0	2.4
27	4.9	6.5	6.5	6	64	19	15	9.5	4.2	3.2	2.0	2.4
28	4.9	6.5	6.5	6	61	18	15	9.5	4.2	3.2	2.0	2.2
29	4.9	6.5	12	6	55	18	15	9	4.5	3.2	2.0	2.2
30	4.9	6.5	9	5.5	-	52	14	9	4.5	3.2	2.0	2.2
31	4.9	-	7	6	-	57	-	9	-	2.9	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	165.0	6	4.9	5.32	327
November	192.9	14	4.9	6.43	383
December	211.0	12	6	6.81	419
Calendar year 1935	12,213.9	776	4.9	33.5	24,230
January	186.5	6.5	5.5	6.02	370
February	3,366	374	13	116	6,680
March	974	57	18	31.4	1,930
April	585	34	14	19.5	1,160
May	318.5	14	8	10.3	632
June	181.9	9	4.2	6.06	361
July	109.3	4.8	2.7	3.53	217
August	75.5	3.9	2.0	2.44	150
September	78.0	3.2	2.0	2.60	155
Water year 1935-36	6,443.6	374	2.0	17.6	12,780

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 1936.

Extremes.- Maximum discharge during year, 3,330 second-feet Feb. 12 (gage height, 8.18 feet); no flow during part of year.
1911-13, 1929-36: Maximum discharge, 23,000 second-feet Dec. 31, 1933 (gage height, 14.8 feet); no flow for several months each year.

Remarks.- Records good. Discharge interpolated Feb. 26, 27, June 28 to July 2, and Aug. 26-28. Water diverted for irrigation and municipal use from Ventura River and tributaries above station. Results of several discharge measurements furnished by Ventura County Water Survey.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.4	1.0	4.4	182	91	63	22	1.6	1.4	0.6	
2	.3	.5	1.0	5	609	84	45	22	1.5	1.4	.8	
3	.3	.4	2.4	5	84	80	51	20	1.6	1.4	.8	
4	.3	.4	5	6	45	74	109	20	1.6	1.4	.8	
5	.4	.5	2.4	7.5	32	70	56	20	1.0	1.4	.8	
6	.4	.5	2.9	4.4	22	63	45	18	1.5	1.4	.8	
7	.4	.5	2.9	2.4	16	60	45	18	1.5	1.1	.8	
8	.4	.5	2.9	3.5	13	56	42	15	1.4	1.1	.8	
9	.3	.5	2.4	5	10	53	37	13	1.4	1.2	.8	
10	.3	.5	2.4	4.4	10	53	32	16	1.0	1.1	.6	
11	.4	.4	2.6	5	680	51	29	18	1.0	1.0	.6	
12	.4	.4	2.6	5	1,200	48	27	15	1.2	1.0	.5	
13	.4	.4	2.6	3.7	676	48	27	13	1.5	1.0	.5	
14	.5	.4	2.2	3.7	641	45	27	10	2.9	1.0	.4	
15	.5	.4	2.2	4.4	865	45	27	9	2.0	.9	.4	
16	.5	.4	2.0	4.4	961	45	25	9	1.4	.8	.4	
17	.4	.6	2.0	4.4	340	42	25	9	1.4	.8	.3	
18	.4	.5	2.0	3.7	293	40	25	8	1.4	.8	.3	
19	.4	.5	2.0	3.5	187	40	25	7.5	1.5	.8	.3	
20	.5	.5	1.6	3.3	148	37	25	3.3	2.0	.6	.3	
21	.5	1.1	1.4	3.1	119	34	25	3.1	1.8	.6	.3	
22	.5	1.2	1.4	3.1	212	32	25	2.4	2.2	.6	.3	
23	.4	1.5	1.4	3.1	516	34	25	2.2	2.8	.8	.3	
24	.4	1.5	1.5	3.1	241	42	25	2.2	2.4	.8	.2	
25	.4	1.5	2.2	3.5	187	40	24	2.2	2.0	.6	.2	
26	.4	1.4	2.4	3.5	160	32	24	1.8	1.6	.6	.1	
27	.3	1.5	2.4	3.5	140	32	24	1.6	1.5	.6	.1	
28	.4	1.4	2.6	3.3	123	32	24	1.6	1.5	.6	.1	
29	.4	1.1	8	4.4	105	32	24	1.5	1.5	.6	0	
30	.4	1.1	8	3.7	-	66	22	1.2	1.5	.6	0	
31	.4	-	6	3.5	-	254	-	1.8	-	.6	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12.2	0.5	0.2	0.39	24
November	22.5	1.5	.4	.75	45
December	84.4	8	1.0	2.72	167
Calendar year 1935	17,191.0	1,850	.1	47.1	34,100
January	126.5	7.5	2.4	4.08	251
February	8,837	1,200	10	305	17,530
March	1,755	254	32	56.6	3,480
April	1,029	109	22	34.3	2,040
May	307.4	22	1.2	9.92	610
June	49.2	2.9	1.0	1.64	98
July	28.6	1.4	.6	.92	57
August	13.2	.8	0	.43	26
September	0	0	0	0	0
Water year 1935-36	12,265.0	1,200	0	33.5	24,330

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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 1936.

Extremes.- Maximum discharge during year, 460 second-feet Feb. 2 (gage height, 3.21 feet); minimum, 0.6 second-foot Sept. 22-30.
1928-32, 1933-36: Maximum discharge, 2,770 second-feet Dec. 31, 1933; minimum, 0.1 second-foot Aug. 27 to Sept. 9, 1929, and July 27 to Aug. 16, 1931.

Remarks.- Records furnished by Ventura County Water Survey.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	0.9	1.5	1.5	16	13	7	3.7	2.0	1.5	0.9	0.7
2	1.0	.9	1.5	1.3	83	11	7	3.6	1.9	1.4	.8	.7
3	1.0	.9	2.2	1.3	8.5	10	7	3.5	1.9	1.4	.8	.7
4	1.0	.9	1.5	1.3	4.5	10	7.5	3.5	1.9	1.4	.8	.7
5	1.0	.9	1.3	1.3	3.4	9.5	6.5	3.4	1.6	1.4	.8	.7
6	1.0	.9	1.3	1.5	2.8	9	6	3.3	1.8	1.4	.8	.7
7	1.0	.9	1.3	1.5	2.6	8.5	6	3.3	1.8	1.3	.8	.7
8	1.0	.9	1.2	1.3	2.4	8	5.5	3.2	1.7	1.3	.8	.7
9	1.0	.9	1.2	1.3	2.2	8	5.5	3.1	1.7	1.3	.8	.7
10	1.0	.9	1.2	1.3	2.5	7.5	5.5	3.0	1.7	1.3	.8	.7
11	1.1	.9	1.2	1.3	72	7.5	5	2.9	1.6	1.3	.8	.7
12	1.1	.9	1.2	1.3	111	7.5	4.5	2.7	1.6	1.2	.8	.7
13	1.1	.9	1.2	1.5	55	7	4.3	2.4	1.7	1.2	.8	.7
14	1.1	1.0	1.3	1.5	60	7	4.3	2.2	1.7	1.2	.8	.7
15	1.1	1.1	1.3	1.5	78	7	4.3	2.2	1.8	1.2	.8	.7
16	1.1	1.2	1.3	1.5	75	7	4.3	2.2	1.8	1.2	.8	.7
17	1.1	1.5	1.3	1.5	34	7	4.3	2.2	1.8	1.1	.8	.7
18	1.1	1.2	1.3	1.6	31	7	4.2	2.2	1.8	1.1	.8	.7
19	1.1	1.2	1.3	1.6	22	6.5	4.1	2.2	1.7	1.1	.8	.7
20	1.1	1.3	1.3	1.6	21	6	4.1	2.2	1.7	1.1	.8	.7
21	1.1	1.2	1.3	1.5	16	5.5	4.0	2.2	1.7	1.1	.8	.7
22	1.1	1.1	1.5	1.5	48	5	4.7	2.2	1.7	1.1	.8	.6
23	1.1	1.1	1.5	1.5	52	5	4.6	2.2	1.7	1.0	.8	.6
24	1.0	1.1	1.5	1.5	28	6	4.4	2.2	1.7	1.0	.8	.6
25	1.0	1.0	1.5	1.5	23	6	4.3	2.2	1.6	1.0	.7	.6
26	1.0	1.0	1.5	1.5	20	6	4.2	2.2	1.6	1.0	.7	.6
27	1.0	1.0	1.5	1.5	18	5.5	4.0	2.1	1.6	1.0	.7	.6
28	1.0	1.1	1.5	1.5	16	5	3.9	2.1	1.5	.9	.7	.6
29	.9	1.2	2.1	1.3	15	5	3.8	2.1	1.5	.9	.7	.6
30	.9	1.2	1.5	1.3	-	16	3.7	2.0	1.5	.9	.7	.6
31	.9	-	1.5	1.5	-	15	-	2.0	-	.9	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	32.0	1.1	0.9	1.03	63
November	31.2	1.5	.9	1.04	62
December	43.8	2.2	1.2	1.41	87
Calendar year 1935	2,461.5	159	.9	6.74	4,880
January	44.6	1.6	1.3	1.44	88
February	922.9	111	2.2	31.8	1,830
March	244.0	16	5	7.87	484
April	149.3	7.5	3.7	4.98	296
May	80.5	3.7	2.0	2.60	160
June	51.5	2.0	1.5	1.72	102
July	36.2	1.5	.9	1.17	72
August	24.2	.9	.7	.78	48
September	20.1	.7	.6	.67	40
Water year 1935-36	1,680.3	111	.6	4.59	3,330

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 1936.

Extremes.- Maximum discharge during year, 1,410 second-feet Feb. 12 (gage height, 4.55 feet); minimum, less than 0.1 second-foot on several days.
1927-32, 1933-36: Maximum discharge, 2,900 second-feet Jan. 5, 1935 (gage height, about 5.7 feet); no flow Aug. 19 to Sept. 18, 1929.

Remarks.- Records good. Results of 20 discharge measurements furnished by Ventura County Water Survey. Discharge interpolated Dec. 28, 29.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.2	0.6	51	18	11	2.0	0.9	0.4	0.1	0.1
2	.2	.3	.2	.6	149	15	7.5	1.e	.9	.4	.1	.1
3	.2	.2	.9	.6	12	15	9	1.5	.8	.4	.1	.1
4	.2	.1	.8	.6	5.5	14	36	1.4	.7	.4	.1	.1
5	.2	.1	.7	.6	2.7	12	13	1.4	.6	.4	.1	.1
6	.2	.1	.6	.7	2.4	11	10	1.3	.6	.4	.1	.1
7	.2	.1	.5	.7	2.2	11	8	1.3	.6	.4	.1	.1
8	.2	.1	.4	.7	1.8	9	7.5	1.3	.5	.4	.1	.1
9	.2	.1	.2	.7	1.4	9	7	1.2	.5	.4	.1	.1
10	.2	.1	.1	.8	2.6	8	6.5	1.2	.4	.3	.1	.1
11	.2	.1	.1	.8	324	7.5	6	1.1	.4	.3	.1	.1
12	.2	.1	.1	.8	442	7	5	.9	.4	.3	.1	.1
13	.2	.1	.1	.8	256	7	4.7	.8	.4	.3	.1	.1
14	.3	.1	.2	.8	266	7	4.3	.8	.4	.3	.1	.1
15	.3	.1	.2	.8	24e	7	4.0	.8	.4	.3	.1	.1
16	.3	.2	.2	.8	357	7	3.6	.8	.4	.2	.1	.1
17	.2	.2	.2	.8	94	6.5	3.0	.7	.4	.2	.1	.1
18	.2	.2	.3	.8	72	6	3.0	.8	.4	.1	.1	.1
19	.2	.2	.3	.8	4e	5.5	3.6	.9	.3	.1	.1	.1
20	.2	.2	.3	.8	35	4.7	3.6	1.0	.3	.1	.1	.1
21	.1	.1	.4	.8	28	4.7	3.2	.9	.3	.1	.1	.1
22	.1	.1	.4	.8	79	4.7	3.2	.9	.4	.1	.1	.1
23	.1	.1	.4	.8	128	4.7	3.2	.9	.4	.1	.1	.1
24	.1	.1	.4	.8	50	11	3.0	.9	.4	.1	.1	.1
25	.1	.1	.5	.8	40	6.5	2.9	1.1	.4	.1	.1	.1
26	.2	.1	.5	.8	33	5.5	2.7	1.1	.4	.1	.1	.1
27	.2	.1	.5	.8	28	5	2.7	1.2	.4	.1	.1	.1
28	.2	.1	.5	.8	25	5	2.9	1.2	.4	.1	.1	.1
29	.2	.2	.5	.8	21	4.7	2.7	1.1	.4	.1	.1	.1
30	.2	.2	.5	.8	-	39	2.4	1.0	.4	.1	.1	.1
31	.2	-	.5	.9	-	63	-	.9	-	.1	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.0	0.3	0.1	0.19	12
November	4.1	.3	.1	.14	8.1
December	11.7	.9	.1	.38	23
Calendar year 1935	3,545.9	621	.1	9.71	7,040
January	23.5	.9	.6	.76	47
February	2,804.6	442	1.4	96.7	5,560
March	341.0	63	4.7	11.0	676
April	185.2	36	2.4	6.17	367
May	34.2	2.0	.7	1.10	68
June	14.2	.9	.3	.47	28
July	7.2	.4	.1	.23	14
August	3.1	.1	.1	.10	6.1
September	3.0	.1	.1	.10	6.0
Water year 1935-36	3,437.e	442	.1	9.39	6,820

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 1936.

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 1935 to September 1936

Month	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.70	0.35	0.36	22
November	1.5	.35	.39	23
December	.71	.35	.39	24
Calendar year 1935	154	.10	3.19	2,310
January	.77	.35	.38	24
February	89	.35	21.2	1,220
March	23	.54	4.43	273
April	6.4	.71	2.70	161
May	1.9	.22	1.06	65
June	1.3	.34	.52	31
July	3.7	.35	.54	33
August	.35	.35	.35	22
September	.44	.35	.36	21
Water year 1935-36	89	.22	2.64	1,920

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°41'0", 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.- 22 years (1904-6, 1911-14, 1916-17, 1920-36), 45.7 second-feet.

Records available.- November 1903 to April 1907, October 1907 to January 1908, February 1910 to November 1918, April 1920 to September 1936.

Remarks.- Beginning April 1920 discharge at station compiled from reservoir records. Montecito County Water District diverted 1,360 acre-feet from Juncal Reservoir during water year. City of Santa Barbara diverts at dam for municipal use. Record furnished by city of Santa Barbara through R. A. Hill, consulting engineer for the water department.

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

Month	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0
November	0	0	0	0
December	0	0	0	0
Calendar year 1935	1,160	0	28.7	20,790
January	.1	.1	.1	6.1
February	716	4.2	181	10,400
March	151	23	40.8	2,510
April	83	17	34.3	2,040
May	16	1.7	7.04	433
June	3.0	.03	1.02	61
July	.06	.03	.04	2.6
August	.06	.01	.03	1.8
September	.01	0	0	0
Water year 1935-36	716	0	21.3	15,450

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°41'0", 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 1936.

Average discharge.- 15 years, 21.7 second-feet.

Remarks.- Regulated by storage in reservoir and diversion to city of Santa Barbara. During water year city of Santa Barbara diverted 3,811 acre-feet from Gibraltar Reservoir and Montecito County Water District diverted 1,360 acre-feet from Juncal Reservoir. Record furnished by city of Santa Barbara through R. A. Hill, consulting engineer for the water department.

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

Month	Maximum	Minimum	Mean	Run-off in acre-feet
October	0.5	0.5	0.50	31
November	.5	.5	.50	30
December	.5	.5	.50	31
Calendar year 1935	1,025	.5	25.9	18,720
January	.5	.5	.50	31
February	700	0	126	7,270
March	145	17	37.0	2,270
April	69	11	29.5	1,760
May	9	0	1.51	93
June	4.6	.5	2.02	120
July	.5	.5	.50	31
August	.5	.5	.50	31
September	.5	.5	.50	30
Water year 1935-36	700	0	16.1	11,730

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 September 1931, October 1932 to September 1936.

Extremes.- Maximum discharge during year, 1,890 second-feet Feb. 15 (gage height, 7.75 feet); no flow for periods.
1929-31, 1932-36: Maximum discharge, 3,600 second-feet Jan. 15, 1935 (gage height, 8.40 feet); no flow for several months each year.

Remarks.- Records good. Discharge Feb. 2-7 computed on basis of three discharge measurements and records for station at Solvang. Regulated by storage in Juncal and Gibraltar Reservoirs and diversions to cities of Montecito and Santa Barbara. Results of several measurements furnished by city of Santa Barbara.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	164	181	25	4.4	1.2		
2					150	143	104	23	4.4	1.2		
3					25	120	87	22	4.1	1.2		
4					9.5	111	158	21	3.6	1.2		
5					4.0	106	188	18	2.8	1.0		
6					3.0	96	123	16	2.8	.9		
7					2.5	95	93	14	2.8	.9		
8					2.0	88	84	13	3.0	.9		
9					2.0	84	80	10	2.8	.9		
10					1.9	81	74	9.5	2.8	.8		
11					16	75	66	9.5	2.5	.8		
12					336	70	62	8.5	2.5	.6		
13					1,120	66	59	7	2.4	.6		
14					794	62	56	5.5	2.2	.5		
15					1,540	57	56	4.9	2.0	.5		
16					1,320	54	53	4.9	1.9	.4		
17					734	50	52	4.7	1.9	.4		
18					454	45	52	4.9	1.9	.3		
19					346	45	49	5	1.9	.3		
20					246	45	45	4.4	1.8	.2		
21					188	45	42	3.8	1.8	.2		
22					253	45	39	3.6	1.6	.2		
23					1,080	45	38	2.5	1.6	.2		
24					650	49	33	2.5	1.6	.2		
25					426	66	32	3.3	1.5	.2		
26					318	66	30	3.6	1.5	.1		
27					264	57	30	3.6	1.4	.1		
28					224	52	29	3.8	1.3	.1		
29					196	49	28	3.8	1.2	0		
30					-	53	27	3.8	1.2	0		
31					-	204	-	4.1	-	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	0	0	0	0	0
Calendar year 1935	21,288.4	1,920	0	58.3	42,220
January	0	0	0	0	0
February	10,704.9	1,540	0	369	21,230
March	2,388	204	45	77.0	4,740
April	2,050	188	27	68.3	4,070
May	269.2	25	2.5	8.68	534
June	69.2	4.4	1.2	2.31	137
July	16.1	1.2	0	.52	32
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	15,497.4	1,540	0	42.3	30,740

Santa Ynez River at Solvang, Calif.

Location.- Water-stage recorder, lat. 34°35'10", long, 120°8'40", in San Carlos de Jonata grant, 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 1936.

Extremes.- Maximum discharge during year, 2,700 second-feet Feb. 15 (gage height, 6.10 feet); minimum, 1.9 second-feet Sept. 24-25 (gage height, 2.12 feet).
1928-36: Maximum daily discharge, 12,300 second-feet Jan. 9, 1932; minimum, 1.4 second-feet Aug. 2, 1935 (gage height, 1.97 feet).

Remarks.- Records fair except those for high stages, which are poor. Gage-height record and discharge measurements furnished by city of Santa Barbara.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	5	6.5	6	7	189	162	23	7	6	4.2	5.5
2	3.3	5.5	6.5	6	68	167	97	22	6.5	6	4.0	5
3	3.2	5	7	6	88	151	77	20	6.5	6.5	4.0	5.5
4	3.2	5	6.5	6	21	136	117	20	6.5	6.5	3.8	5.5
5	3.2	4.9	6.5	6	11	125	173	18	6	6.5	3.8	5.5
6	3.3	4.9	6.5	6	9	114	130	17	6	6	3.6	5
7	3.5	4.8	6	6	8	107	103	16	6	6	3.8	4.6
8	3.6	4.2	6.5	6	7.5	105	90	16	5.5	6	3.8	4.1
9	3.6	4.1	6	6	7.5	103	86	14	5.5	6	4.6	3.6
10	3.6	4.0	6	6	7.5	98	80	12	5	6	5	3.2
11	3.8	3.9	6	6	25	95	78	12	5	6	5.5	3.0
12	4.1	4.0	6	6	238	95	71	12	5.5	6	5	3.0
13	4.3	4.1	6	6	1,160	93	64	11	5.5	5.5	4.9	3.3
14	4.7	4.0	6	6	946	93	59	10	6	5.5	4.9	3.2
15	5	4.0	6	6	2,360	86	55	9.5	6	5	4.9	2.9
16	4.9	4.2	6	6	2,010	74	53	9	5.5	5	4.7	2.6
17	4.8	5.5	6	5.5	1,190	69	52	8	5.5	4.8	4.6	2.6
18	4.8	6	6.5	5.5	650	58	48	8	5.5	4.6	4.2	2.5
19	4.7	6	6.5	5.5	392	56	44	8	5.5	4.6	4.1	2.3
20	4.8	6	6.5	5.5	260	54	41	8	6	4.6	4.7	2.2
21	4.8	6	6.5	5.5	221	53	38	8	6	4.6	5	2.1
22	4.8	6	6.5	6	327	50	35	7.5	6	4.6	5.5	2.1
23	4.8	6.5	6	5.5	1,520	48	33	7.5	5.5	4.6	5	2.0
24	4.9	6.5	6	5.5	920	52	31	8	5.5	4.6	4.9	1.9
25	5	6.5	6	5.5	536	63	30	8.5	5.5	4.6	4.9	1.9
26	4.9	6.5	6	5.5	371	61	28	9	5	4.6	4.7	2.1
27	4.7	6.5	6	5.5	290	53	27	8.5	5	4.6	4.7	2.1
28	4.8	6.5	5.5	5.5	245	45	25	9	5	4.4	4.7	2.3
29	4.9	6.5	6	5.5	213	40	24	9.5	5.5	4.4	5	2.6
30	5	6.5	6	5.5	-	47	22	9	5.5	4.4	5	3.0
31	5	-	6	6	-	133	-	8	-	4.2	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	133.5	5	3.2	4.31	265
November	159.1	6.5	3.9	5.30	316
December	192.0	7	5.5	6.19	381
Calendar year 1935	27,736.8	2,560	1.9	76.0	56,020
January	179.5	6	5.5	5.79	356
February	14,128.5	2,360	7	487	28,020
March	2,713	189	40	87.5	5,380
April	1,973	173	22	65.8	3,910
May	366	23	7.5	11.8	726
June	171	7	5	5.70	339
July	162.7	6.5	4.2	5.25	323
August	142.5	5.5	3.8	4.60	283
September	97.2	5.5	1.9	3.24	193
Water year 1935-36	20,418.0	2,360	1.9	55.8	40,490

Santa Ynez River near Lompoc, Calif.

Location.- Water-stage recorder, lat. 34°38'30", long. 120°25'50", near 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 1936. (Discharge not computed for 1909.)

Average discharge.- 20 years, (1907-8, 1910-18, 1925-36), 213 second-feet.

Extremes.- Maximum discharge during year, 2,530 second-feet Feb. 16 (gage height, 15.20 feet); no flow July 12 to Sept. 30.
1906-18, 1925-36: Maximum discharge, 41,800 second-feet Jan. 25, 1914 (gage height, 13.0 feet, former site and datum); no flow for periods during 1929-31, 1934, and 1936.

Remarks.- Records fair. Water diverted by city of Santa Barbara at Gibraltar Dam, and some irrigation water is pumped from wells along banks of river.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.4	0.8	8.5	30	299	89	30	3.5	0.3		
2	.3	.4	.8	8	72	230	123	27	2.2	.3		
3	.3	.4	1.2	8.5	23	200	130	26	2.0	.3		
4	.3	.4	1.6	9	56	185	138	25	1.7	.2		
5	.3	.3	1.6	9	47	175	128	24	1.4	.2		
6	.3	.3	1.5	9	31	166	140	22	1.1	.2		
7	.3	.3	1.5	9.5	25	154	140	19	.8	.2		
8	.3	.4	1.5	9.5	23	147	132	18	.6	.2		
9	.3	.4	1.5	9.5	22	138	121	17	.4	.2		
10	.3	.4	1.6	9.5	22	131	109	16	.4	.2		
11	.3	.4	1.7	9.5	59	123	100	15	.4	.1		
12	.3	.4	1.8	11	108	112	91	14	.4	0		
13	.3	.4	1.8	9.5	194	106	84	13	.4	0		
14	.4	.4	2.2	9	908	100	77	12	.4	0		
15	.4	.4	2.6	9.5	1,200	95	68	12	.4	0		
16	.4	.4	3.1	9.5	1,880	87	64	11	.4	0		
17	.4	.4	3.6	10	1,660	85	61	11	.4	0		
18	.4	.9	4.0	10	894	82	57	9.5	.4	0		
19	.4	.7	4.0	10	650	78	55	9	.4	0		
20	.4	.6	4.2	11	581	77	53	8.5	.4	0		
21	.4	.6	4.4	11	550	73	52	8	.3	0		
22	.4	.6	4.6	11	568	70	49	7	.3	0		
23	.4	.6	4.6	11	670	65	47	7	.3	0		
24	.4	.6	4.8	11	930	67	45	7	.3	0		
25	.4	.6	5	11	692	78	43	6.5	.3	0		
26	.4	.6	5.5	12	572	75	42	6.5	.3	0		
27	.4	.6	6	12	501	72	40	6.5	.3	0		
28	.4	.7	6.5	12	418	70	40	6	.3	0		
29	.4	.8	12	13	356	67	39	6	.3	0		
30	.4	.8	10	13	-	65	34	5.5	.3	0		
31	.4	-	9	13	-	80	-	5	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11.1	0.4	0.3	0.36	22
November	15.2	.9	.3	.51	30
December	115.0	12	.8	3.71	228
Calendar year 1935	28,774.8	2,300	.1	78.8	57,070
January	319.0	13	8	10.3	633
February	13,742	1,880	22	474	27,260
March	3,552	299	65	115	7,050
April	2,391	140	34	79.7	4,740
May	410.0	30	5	13.2	813
June	21.1	3.5	.3	.70	42
July	2.4	.3	0	.08	4.8
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	20,578.8	1,880	0	56.2	40,820

Cuyama River near Santa Maria, Calif.

Location.- Water-stage recorder, lat. 35°0'50", 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 1936.

Extremes.- Maximum discharge during year, 492 second-feet Feb. 16 (gage height, 2.27 feet); no flow at times during September.
1929-36: Maximum discharge, 4,480 second-feet Feb. 9, 1932 (gage height, 4.72 feet); no flow for long periods each year.

Remarks.- Records poor. No diversions. Discharge computed on basis of discharge measurements, fragmentary record, notes on minor peaks, and comparison with hydrographs of Sespe Creek near Fillmore and Huasna River near Santa Maria.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.4	0.6	14	9.5	31	18	8	3.6	1.1	0.3	0.1
2	.5	.6	.6	12	18	27	14	7	3.5	.9	.3	.1
3	.5	.8	10	11	35	24	11	7	3.5	.9	.3	.1
4	.4	.7	10	11	55	22	90	7	3.5	.8	.2	.1
5	.4	.6	9.5	10	30	20	60	6	3.4	.8	.2	.1
6	.4	.6	9	10	18	19	40	6	3.4	.8	.2	.1
7	.4	.6	8.5	9.5	15	18	30	6	3.4	.7	.2	.1
8	.4	.6	8.5	9.5	13	17	25	6	3.3	.7	.2	.1
9	.4	.6	8	9.5	12	16	22	5	3.3	.7	.2	.1
10	.4	.6	8	9.5	10	16	20	5	3.3	.7	.2	.1
11	.4	.5	8	15	10	15	18	5	3.2	.7	.2	0
12	.4	.5	7.5	14	24	15	16	5	3.2	.6	.2	0
13	.4	.5	7.5	14	130	14	15	5	3.1	.6	.2	0
14	.4	.5	7.5	13	228	14	14	4.0	3.1	.6	.2	0
15	.4	.5	7	13	208	14	13	4.0	3.1	.6	.2	0
16	.4	.5	7	13	329	13	12	4.0	3.0	.5	.2	0
17	.4	1.0	7	12	141	13	11	4.0	2.9	.5	.2	0
18	.4	1.0	6.5	12	90	12	11	3.9	2.8	.5	.2	0
19	.4	.8	6.5	11	55	12	10	3.9	2.7	.5	.2	0
20	.4	.6	6.5	11	40	11	10	3.9	2.6	.5	.2	0
21	.4	.6	6.5	10	35	11	10	3.9	2.5	.4	.1	0
22	.4	.6	6.5	10	178	10	9.5	3.8	2.4	.4	.1	0
23	.4	.6	6.5	10	340	10	9.5	3.8	2.3	.4	.1	0
24	.4	.6	6.5	10	295	18	9	3.8	2.2	.4	.1	0
25	.4	.6	6	9.5	128	16	9	3.8	2.1	.4	.1	0
26	.4	.6	6	9.5	80	15	9	3.7	1.9	.4	.1	0
27	.4	.6	6	9.5	62	14	8.5	3.7	1.7	.4	.1	0
28	.4	.6	6	9.5	50	13	8.5	3.7	1.6	.4	.1	0
29	.4	.6	6	9.5	40	12	8.5	3.7	1.4	.3	.1	0
30	.4	.6	20	9.5	-	40	8	3.6	1.2	.3	.1	0
31	.4	-	17	9.5	-	26	-	3.6	-	.3	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12.8	0.6	0.4	0.41	25
November	18.5	1.0	.4	.62	37
December	236.7	20	.6	7.64	469
Calendar year 1935	4,235.7	390	.2	11.6	8,410
January	340.5	15	9.5	11.0	675
February	2,678.5	340	9.5	92.4	5,310
March	528	40	10	17.0	1,050
April	549.5	90	8	18.3	1,090
May	146.8	8	3.6	4.74	291
June	83.2	3.6	1.2	2.77	165
July	17.8	1.1	.3	.57	35
August	5.4	.3	.1	.17	11
September	1.0	.1	0	.03	2.0
Water year 1935-36	4,618.7	340	0	12.6	9,160

Huasna River near Santa Maria, Calif.

Location.- Water-stage recorder, lat. 35°1'20", long. 120°19'20", in Suey grant, half a mile above junction with Cuyama River and 8 miles northeast of Santa Maria, Santa Barbara County.

Drainage area.- 119 square miles.

Records available.- December 1929 to September 1936.

Extremes.- Maximum discharge during year, 2,360 second-feet Feb. 23 (gage height, 5.80 feet); no flow at times.
1929-36: Maximum discharge, 4,000 second-feet Dec. 28, 1931; no flow for parts of several years.

Remarks.- Records fair. No diversions above station. Discharge June 7-10, July 23 to Sept. 2, Sept. 7-30 computed on basis of one discharge measurement, fragmentary gage-height records, and records for nearby stations.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.8	0.9	1.4	1.5	3.0	70	14	5	2.7	1.4	0.7	0.3
2	1.5	1.8	1.4	1.4	19	58	13	4.8	2.5	1.4	.7	.3
3	1.3	1.5	2.4	1.4	11	49	17	4.4	2.5	1.4	.6	.5
4	.8	1.3	2.4	1.3	5.5	43	103	4.0	2.3	1.1	.6	1.0
5	.7	1.2	1.8	1.2	4.0	36	81	4.0	2.1	1.1	.6	1.2
6	.7	1.1	1.7	1.2	3.2	32	52	4.0	2.0	1.1	.9	1.0
7	.8	1.1	1.5	1.2	3.0	30	38	4.0	1.8	1.2	.6	.8
8	1.1	1.1	1.4	1.3	2.6	27	33	4.0	1.6	1.2	.8	.6
9	1.1	1.2	1.4	2.5	2.5	24	28	4.0	1.4	1.2	.7	.4
10	1.0	1.2	1.5	4.0	2.5	21	24	4.0	1.2	1.2	.5	.4
11	.7	1.1	1.5	4.9	4.0	20	21	4.0	1.0	1.3	.5	.3
12	1.1	1.1	1.8	4.4	150	19	20	3.8	1.0	1.3	.4	.3
13	1.0	1.1	1.7	3.1	826	17	18	3.2	1.0	1.2	.4	.3
14	1.3	1.1	1.5	2.5	349	17	17	3.2	1.0	1.1	.4	.3
15	1.8	1.1	1.5	2.3	784	16	16	3.0	1.0	1.1	.4	.3
16	1.4	1.3	1.5	2.1	835	15	15	3.2	1.0	1.1	.4	.3
17	1.0	2.3	1.5	1.9	272	14	14	2.9	1.0	1.0	.4	.2
18	.8	2.1	1.5	1.8	302	14	14	2.9	1.0	1.0	.4	.2
19	.8	1.9	1.5	1.8	244	13	13	2.9	1.1	1.0	.4	.2
20	.8	1.7	1.5	1.8	200	13	13	2.8	1.1	1.0	.4	.2
21	.8	1.7	1.5	1.7	164	14	12	2.6	1.1	.9	.4	.2
22	.6	1.7	1.5	1.7	490	13	12	2.5	1.1	.9	.4	.2
23	.4	1.7	1.4	1.7	1,560	12	12	2.6	1.1	.9	.4	.2
24	.4	1.5	1.4	1.7	553	14	10	2.7	1.2	.9	.4	.2
25	.5	1.5	1.4	1.7	256	13	9.5	2.8	1.2	.9	.3	.2
26	.6	1.5	1.4	1.7	173	12	9	2.9	1.1	.8	.3	.2
27	.6	1.4	1.4	1.5	137	12	8.5	2.8	1.1	.8	.3	.8
28	.7	1.4	1.4	1.9	107	12	7	3.0	1.1	.8	.3	1.5
29	.8	1.4	2.8	2.0	84	11	6.5	2.8	1.2	.8	.3	1.0
30	.8	1.4	2.8	1.9	-	12	5.5	2.7	1.4	.8	.3	1.0
31	.8	-	1.9	1.9	-	18	-	3.0	-	.8	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	28.5	1.8	0.4	0.92	57
November	42.4	2.3	.9	1.41	84
December	51.3	2.8	1.4	1.65	102
Calendar year 1935	3,579.7	1,490	.1	9.81	7,100
January	63.0	4.9	1.2	2.03	125
February	7,546.3	1,560	2.5	260	14,970
March	691	70	11	22.3	1,370
April	656.0	103	5.5	21.9	1,300
May	104.5	5	2.5	3.37	207
June	41.9	2.7	1.0	1.40	83
July	32.7	1.4	.8	1.05	65
August	14.5	.9	.3	.47	29
September	14.6	1.5	.2	.49	29
Water year 1935-36	9,286.7	1,560	.2	25.4	18,420

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 1936.

Extremes.- Maximum discharge during year, 2,880 second-feet Feb. 22 (gage height, 9.38 feet); no flow for several months.
1932-36: Maximum discharge, 4,060 second-feet, revised, Apr. 8, 1935 (gage height, 10.50 feet); no flow for several months each year.

Remarks.- Records good except those for Dec. 7 to Jan. 2, when discharge was estimated on basis of precipitation records. No diversions above station.

Revision of records for water year 1934-35

Revised daily discharge for Apr. 7, 563 second-feet; Apr. 8, 2,770 second-feet.

Month	Second-foot-days	Maximum	Mean	Run-off in acre-feet
April	6,054	2,770	202	12,010
Water year 1934-35	10,450.5	2,770	28.6	20,730

Note.- The above figures supersede those published in Water-Supply Paper 791.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0.5	1.5	5.5	120	43	13	4.7	2.7		
2		0	.5	1.0	726	101	36	10	5	2.7		
3		0	1.0	.8	74	85	87	8	6	2.4		
4		0	.8	.6	28	73	938	8	6.5	2.2		
5		0	.5	.6	18	67	400	8.5	5.5	1.8		
6		0	.5	.5	11	63	216	8.5	5.5	1.6		
7		0	.5	.5	8	52	151	8	5.5	2.2		
8		.2	.5	.5	6.5	52	114	7	5.5	2.4		
9		.3	.5	1.7	5.5	44	92	7	5.5	3.5		
10		.3	.5	3.0	5	41	69	6.5	4.7	3.5		
11		.3	.5	13	431	38	60	6.5	5.5	3.0		
12		.3	.5	8	1,230	32	56	6	4.7	2.0		
13		.4	.5	2.0	1,980	32	50	5.5	4.1	1.e		
14		.4	.5	1.8	972	28	46	5.5	3.8	1.4		
15		.4	.5	1.7	1,520	26	42	5.5	4.1	1.0		
16		.5	.5	1.8	1,400	26	30	5.5	4.1	.7		
17		1.6	.5	1.7	502	26	35	5.5	4.1	0		
18		.8	.5	1.6	634	23	30	5.5	3.5	0		
19		.5	.5	1.6	412	21	30	5	3.2	0		
20		.4	.5	1.6	306	21	24	5	3.0	0		
21		.4	.4	1.6	234	29	24	4.4	2.4	0		
22		.4	.4	1.6	1,140	28	20	4.1	2.4	0		
23		.4	.4	1.6	1,960	22	15	3.8	2.4	0		
24		.4	.4	1.6	866	25	18	4.1	2.4	0		
25		.4	.4	1.6	428	25	15	4.4	2.2	0		
26		.4	.4	1.4	277	22	16	5	2.0	0		
27		.4	.4	1.4	216	21	15	5.5	2.2	0		
28		.4	.4	1.4	174	18	14	5.5	2.2	.4		
29		.5	4.0	1.6	138	19	13	5.5	2.4	.2		
30		.5	3.0	1.4	-	29	13	5.5	2.7	0		
31		-	2.0	1.6	-	101	-	4.7	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	10.6	1.6	0	.35	21
December	23.0	4.0	.4	.74	46
Calendar year 1935	10,451.2	2,770	0	28.6	20,730
January	62.3	13	.5	2.01	124
February	15,707.5	1,980	5	542	31,160
March	1,310	120	18	42.3	2,600
April	2,712	938	13	90.4	5,380
May	192.5	13	3.8	6.21	382
June	117.8	6.5	2.0	3.93	234
July	35.5	3.5	0	1.15	70
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	20,171.2	1,980	0	55.1	40,020

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 half a 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 1936.

Extremes.- Maximum discharge during year, 20,500 second-feet Feb. 24 (gage height, 20.64 feet); minimum, 0.1 second-foot many days in July, August, and September. 1929-36: Maximum discharge, 42,100 second-feet Dec. 29, 1931 (gage height, 20.4 feet); no flow at times 1929-35. 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 except those for very low flow, which are fair. Small diversions above station. Stage-discharge relation affected by aquatic growth Oct. 1 to Jan. 12; discharge computed on basis of two discharge measurements, gage-height record, and record of water released from pumping station upstream.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	2.5	2.5	2.5	4.8	2,770	298	148	4.2	0.9	0.1	0.2
2	1.0	2.5	2.5	2.5	5	2,350	275	135	4.2	.9	.1	.2
3	1.0	2.5	2.5	2.5	36	2,040	320	123	4.0	.8	.2	.2
4	1.0	2.5	2.5	2.5	1,540	1,740	440	111	3.8	.8	.2	.2
5	1.0	2.5	2.5	2.5	1,500	1,560	1,140	98	3.6	.7	.2	.1
6	1.0	2.5	2.5	2.5	872	1,360	1,820	87	3.5	.6	.2	.1
7	1.0	2.5	2.5	2.5	558	1,200	2,160	78	3.6	.6	.2	.1
8	1.0	2.5	2.5	2.5	412	1,060	1,620	75	3.6	.6	.2	.1
9	1.0	2.5	2.5	2.5	320	960	1,220	67	3.8	.6	.2	.1
10	1.0	2.5	2.5	2.5	254	888	960	57	4.0	.6	.2	.1
11	1.0	2.5	2.5	2.5	227	798	798	50	4.5	.6	.2	.1
12	1.0	2.5	2.5	2.5	507	708	708	45	3.9	.5	.2	.1
13	1.0	2.5	2.5	100	3,350	654	616	41	3.6	.4	.2	.1
14	1.0	2.5	2.5	594	13,600	600	548	38	3.5	.3	.2	.1
15	1.2	2.5	2.5	263	14,200	556	492	32	3.2	.3	.2	.1
16	1.2	2.5	2.5	91	11,700	520	452	25	3.0	.2	.2	.1
17	1.2	2.5	2.5	35	9,180	504	408	20	2.7	.2	.2	.1
18	1.2	2.5	2.5	14	7,950	472	367	17	2.6	.2	.2	.1
19	1.2	2.5	2.5	10	5,890	440	339	16	2.4	.1	.2	.1
20	1.2	2.5	2.5	8	6,410	415	310	12	2.2	.1	.2	.1
21	1.2	2.5	2.5	7	5,170	394	298	11	2.1	.1	.2	.1
22	1.2	2.5	2.5	6	4,610	373	285	9.5	2.0	.1	.2	.1
23	1.2	2.5	2.5	5.5	12,700	353	266	8	1.9	.1	.2	.1
24	1.2	2.5	2.5	5	17,300	350	242	6.5	1.8	.1	.2	.1
25	1.2	2.5	2.5	5	10,500	346	224	6	1.7	.1	.2	.2
26	6	2.5	2.5	4.7	6,830	326	212	6	1.5	.1	.2	.2
27	4	2.5	2.5	4.6	5,170	310	201	5.5	1.4	.1	.2	.2
28	3	2.5	2.5	4.4	4,080	298	187	5.5	1.2	.1	.2	.3
29	2.5	2.5	2.5	4.2	3,320	288	176	4.8	1.2	.1	.2	.3
30	2.5	2.5	2.5	4.1	-	285	162	4.5	1.1	.1	.2	.3
31	2.5	-	2.5	4.0	-	307	-	4.3	-	.1	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	47.7	6	1.0	1.54	95
November	75.0	2.5	2.5	2.50	149
December	77.5	2.5	2.5	2.50	154
Calendar year 1935	118,298.7	17,300	.1	324	234,700
January	1,199.5	594	2.5	38.7	2,380
February	148,195.8	17,300	4.8	5,110	293,900
March	25,225	2,770	285	814	50,030
April	17,544	2,160	162	585	34,800
May	1,346.6	148	4.3	43.4	2,670
June	85.8	4.5	1.1	2.86	170
July	11.1	.9	.1	.36	22
August	6.0	.2	.1	.19	12
September	4.3	.3	.1	.14	8.5
Water year 1935-36	193,818.3	17,300	.1	530	384,400

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 1936.

Extremes.- Maximum discharge during year, 4,100 second-feet Feb. 22 (gage height, 3.83 feet); no flow several months.
1930-36: Maximum discharge, 7,460 second-feet Dec. 28, 1931 (gage height, 4.55 feet); no flow for several months each year.

Remarks.- Records fair. Discharge Oct. 1 to Jan. 10, May 24 to July 29 computed on basis of precipitation records, discharge measurements, and comparison with records for other streams in same basin. Small diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0.2	26	297	101	36	5.5	3.2		
2				.2	616	262	92	34	5.5	3.1		
3			0.1	.2	332	230	85	31	5.5	3.0		
4				.2	206	212	630	28	5.5	2.9		
5				.2	147	195	385	27	5.5	2.8		
6				.2	130	180	234	25	5.5	2.7		
7				.2	116	164	195	24	5.5	2.6		
8				.2	106	150	161	21	5.5	2.6		
9				.2	101	141	144	19	5.5	3.0		
10				.2	96	130	130	17	5	3.0		
11				180	351	122	106	16	5	2.8		
12				325	1,220	111	111	14	5	2.6		
13				144	2,040	103	116	12	5	2.4		
14				103	1,460	103	106	11	4.9	2.2		
15				87	1,460	99	90	9.5	4.6	2.0		
16				71	1,050	94	85	9	4.7	1.8		
17				60	764	90	81	8	4.6	1.6		
18				52	653	83	75	7.5	4.5	1.4		
19				44	525	81	71	7.5	4.4	1.2		
20				41	454	77	67	7	4.3	1.0		
21				36	432	75	65	7	4.2	.9		
22				34	1,770	71	63	6.5	4.1	.8		
23				31	1,950	65	60	6.5	4.0	.6		
24				28	1,140	63	56	6	3.9	.5		
25				26	804	61	52	6	3.8	.4		
26				25	625	58	49	6	3.7	.3		
27				22	489	54	46	6	3.6	.2		
28				21	390	52	44	6	3.5	.1		
29				19	342	49	41	5.5	3.4	.1		
30				18	-	47	38	5.5	3.3	0		
31				17	-	77	-	5.5	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	3.0	-	-	.1	6
December	3.1	-	-	.1	6
Calendar year 1935	21,312.0	2,280	0	58.4	42,260
January	1,366.0	325	.2	44.7	2,750
February	19,797	2,040	26	683	39,270
March	3,596	297	47	116	7,130
April	3,579	630	38	119	7,100
May	430.0	36	5.5	13.9	853
June	139.2	5.5	3.3	4.64	276
July	51.8	3.2	0	1.67	103
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	28,985.1	2,040	0	79.2	57,490

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 1936.

Average discharge.- 35 years, 166 second-feet.

Extremes.- Maximum discharge during year, 9,480 second-feet Feb. 13 (gage height, 13.70 feet); minimum, 0.3 second-foot Sept. 30.

1901-36: Maximum discharge, about 22,000 second-feet Feb. 21, 1917, and Nov. 25, 1926 (gage height, 16.5 feet); no flow during periods in several years.

Remarks.- Records good except those for Apr. 9 to May 5, which were computed on basis of range of stage and records for nearby streams. No large diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	5	10	39	526	525	177	110	57	22	4.5	1.0
2	1.8	6	10	33	1,220	470	150	106	55	21	4.5	1.0
3	1.8	13	10	28	534	420	383	102	55	20	4.0	1.0
4	2.0	10	10	27	346	380	1,220	98	54	19	4.0	.8
5	2.6	8.5	13	25	246	347	604	94	52	18	3.5	.8
6	2.6	8.5	13	24	201	322	436	90	51	17	3.5	.8
7	2.9	8	13	22	171	299	365	87	71	17	3.0	1.5
8	3.2	8	13	21	149	280	324	84	63	18	2.2	1.8
9	3.2	8	13	1,030	136	260	295	81	54	20	1.8	1.5
10	3.2	7	14	650	122	247	270	79	49	26	2.2	1.2
11	3.5	8	14	1,640	1,100	231	250	77	45	25	2.6	1.2
12	3.5	8	14	536	1,590	218	230	76	44	21	4.0	1.2
13	4.4	8	22	275	4,530	206	220	73	42	18	4.0	1.2
14	5	8	22	194	3,040	196	210	74	41	16	3.5	1.0
15	5	8	16	149	2,510	184	200	76	44	15	3.0	.8
16	7	8.5	16	140	1,670	179	190	69	41	14	2.6	.8
17	6	12	16	125	1,130	172	180	66	37	13	2.2	1.0
18	5	14	16	110	1,130	161	170	65	36	11	1.8	1.0
19	5	13	15	98	975	157	165	63	35	9	1.5	1.0
20	5	12	14	88	800	148	160	63	34	8.5	1.5	.8
21	5	11	14	81	950	144	155	61	33	8	1.5	.8
22	5	10	14	74	3,330	138	150	58	30	7.5	1.5	.8
23	4.7	10	14	66	2,520	135	145	57	28	7	1.2	1.0
24	4.7	10	14	62	1,740	140	140	55	27	7	1.8	1.2
25	4.7	10	13	59	1,340	142	135	54	26	6.5	1.8	.8
26	4.7	10	13	55	1,020	131	130	54	25	6.5	1.8	.6
27	4.7	10	13	53	825	126	126	54	24	6	1.8	.6
28	5	10	15	49	710	122	122	61	24	6	1.5	.6
29	5	10	164	49	604	117	118	65	24	6	1.5	.6
30	5	10	112	47	-	130	114	61	22	5.5	1.5	.6
31	5	-	56	45	-	327	-	61	-	5	1.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	127.2	7	1.0	4.10	252
November	282.5	14	5	9.42	560
December	726	164	10	23.4	1,440
Calendar year 1935	45,718.4	4,680	1.0	125	90,680
January	5,896	1,640	21	190	11,690
February	35,165	4,530	122	1,213	69,750
March	7,054	525	117	228	13,990
April	7,534	1,220	114	251	14,940
May	2,274	110	54	73.4	4,510
June	1,223	71	22	40.8	2,430
July	419.5	26	5	13.5	832
August	77.0	4.5	1.2	2.48	153
September	29.0	1.8	.6	.97	58
Water year 1935-36	60,807.2	4,530	.6	166	120,600

Uvas Creek near Morgan Hill, Calif.

Location.- Water-stage recorder, lat. 37°4'0", long. 121°41'30", in Las Uvas grant, 500 feet above Uvas Dam, 0.6 mile below Eastman Canyon, and 4.8 miles southwest of Morgan Hill, Santa Clara County. Altitude, about 390 feet.

Drainage area.- 30.2 square miles.

Records available.- December 1930 to September 1936.

Extremes.- Maximum discharge during year, 3,020 second-feet Jan. 11 (gage height, 9.0 feet); minimum, 0.2 second-foot at times Sept. 24-30.
1930-36: Maximum discharge, 4,340 second-feet Dec. 27, 1931 (gage height, 10.82 feet); no flow at times each year except 1935-36.

Remarks.- Records good. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	1.6	1.2	2.6	193	105	24	13	6.5	2.3	0.5	0.3
2	.3	2.6	1.4	2.3	93	92	21	13	7	2.2	.5	.3
3	.3	1.9	1.4	2.3	52	82	134	12	7.5	2.0	.5	.3
4	.3	1.4	1.6	2.3	39	74	134	12	7	1.8	.5	.3
5	.3	1.4	1.6	2.1	33	66	64	11	6.5	1.8	.5	.3
6	.4	1.2	1.6	1.9	28	64	50	10	6.5	1.6	.4	.3
7	.4	1.2	1.7	1.9	24	59	43	10	10	1.2	.4	.3
8	.5	1.1	1.9	2.1	22	53	39	9.5	7	1.6	.4	.3
9	.5	1.0	2.1	346	19	50	35	9.5	6	2.3	.4	.3
10	.5	1.0	1.9	160	19	46	32	9	5.5	2.5	.4	.3
11	.7	1.0	1.9	635	627	44	30	9	5	2.2	.5	.4
12	1.6	1.0	4.2	75	672	41	28	9	4.6	2.0	.5	.4
13	.9	1.0	2.8	41	875	39	27	9	4.8	1.4	.5	.4
14	1.1	1.0	1.7	33	610	37	25	10	4.8	1.2	.5	.3
15	1.7	.9	1.4	50	537	35	24	9	4.8	1.1	.4	.3
16	1.4	.9	1.2	82	634	34	22	8.5	4.6	1.1	.4	.3
17	1.0	.9	1.2	47	297	32	21	8	4.0	1.0	.3	.3
18	.8	1.0	1.2	34	317	31	20	8	3.7	.8	.3	.3
19	.8	1.1	1.2	27	247	29	19	7.5	3.4	.8	.3	.3
20	.8	1.1	1.2	22	207	28	19	7	3.4	.7	.3	.3
21	.8	1.1	1.2	19	297	27	19	6.5	2.9	.8	.3	.3
22	.8	1.1	1.2	16	516	25	18	6.5	2.7	.7	.3	.3
23	.8	1.2	1.2	14	553	24	17	6	2.7	.7	.3	.3
24	.8	1.2	1.2	13	303	28	17	6	2.7	.7	.3	.3
25	.8	1.2	1.2	12	284	24	15	6	2.5	.7	.3	.3
26	.8	1.2	1.2	11	218	22	15	6.5	2.3	.7	.4	.3
27	.8	1.2	1.6	10	177	21	14	6.5	2.3	.8	.4	.3
28	.8	1.2	2.1	9.5	147	21	14	8.5	2.3	.8	.4	.3
29	1.0	1.2	13	8.5	120	22	17	8	2.2	.7	.3	.3
30	1.1	1.2	5.5	8	-	32	15	7	2.3	.7	.3	.3
31	1.2	-	3.5	8	-	38	-	6.5	-	.6	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	24.5	1.7	0.3	0.79	49
November	36.1	2.6	.9	1.20	72
December	67.3	13	1.2	2.17	133
Calendar year 1935	7,675.9	457	.3	21.0	15,220
January	1,698.5	635	1.9	54.8	3,370
February	8,160	875	19	281	16,190
March	1,325	105	21	42.7	2,630
April	972	134	14	32.4	1,930
May	268	13	6	8.65	532
June	137.5	10	2.2	4.58	273
July	39.5	2.5	.6	1.27	78
August	12.1	.5	.3	.39	24
September	9.3	.4	.3	.31	18
Water year 1935-36	12,749.8	875	.3	34.8	25,300

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, at Stanford University golf course, Santa Clara County, 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 1936.

Extremes.- Maximum discharge during year, 1,660 second-feet Feb. 21 (gage height, 6.72 feet); no flow several months.
1931-36: Maximum discharge, that of Feb. 21, 1936; no flow several months each year.

Remarks.- Records good except those for very low flow, which are fair; mean discharge for May computed on basis of partial gage-height record, range in stage, and precipitation records. There was probably a very small unmeasured discharge June to September, owing to return flow from golf-course irrigation. Storage at Searsville Lake. See records for Los Trancos Canal and Lagunita Canal, which divert above station.

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

0.2	0.3	1.4	51	2.6	228	3.8	516
.4	1.8	1.6	70	2.8	268	4.0	574
.6	5.6	1.8	93	3.0	312	4.4	706
.8	13.0	2.0	119	3.2	358	4.8	850
1.0	23	2.2	152	3.4	408	5.2	1,006
1.2	36	2.4	188	3.6	460		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.1	0.1	0.2	49	2.4	0.5				
2			.1	.1	.2	36	1.8	.5				
3			.1	.1	.2	28	33	.5				
4			.1	.1	.2	27	119	-				
5			.1	.1	.2	24	27	-				
6			.1	.1	.2	22	20	-				
7			.1	.1	.2	20	11	-				
8			.1	.1	.2	18	10	-				
9			.1	15	.2	14	5	-				
10			.1	9	.2	10	4.9	-				
11			.1	104	228	6.5	3.8	-				
12			.2	1.0	307	8	4.0	-				
13			.2	5	794	11	3.8	-				
14			.2	22	354	11	1.7	-				
15			.2	50	150	13	.4	-				
16			.2	58	116	9	.4	-				
17			.2	1.2	82	2.3	.4	-				
18			.2	.3	181	.4	.4	-				
19			.2	.2	99	.6	.4	-				
20			.2	.2	82	.5	.5	-				
21			.1	.2	478	.6	.5	-				
22			.1	.2	552	.4	.6	-				
23			.1	.2	395	1.3	.6	-				
24			.1	.2	214	4.7	.6	-				
25			.1	.2	184	4.7	.6	-				
26			.1	.2	112	3.5	.6	-				
27			.1	.2	76	2.8	.5	-				
28			.1	.2	61	3.0	.5	-				
29			.2	.2	53	7	.6	-				
30			.2	.2	-	17	.5	-				
31			.1	.2	-	21	-	-				

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	4.2	.2	.1	.14	8.3
Calendar year 1935	3,624.2	605	0	9.93	7,190
January	268.9	104	.1	8.67	533
February	4,520.0	794	.2	156	8,970
March	376.3	49	.4	12.1	746
April	255.5	119	.4	8.52	507
May	12.4	-	-	.40	25
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	5,437.3	794	0	14.9	10,790

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, on Stanford University campus, 0.2 mile upstream from El Camino Real (U. S. Highway 101) at Menlo Park, San Mateo County. Altitude, about 40 feet.

Drainage area.- 38.5 square miles.

Records available.- October 1934 to February 1936 (discontinued).

Extremes.- Maximum discharge during year, 1,610 second-feet Feb. 21 (gage height, 10.05 feet); no flow for several months.

Remarks.- Records good. Storage at Searsville Lake. See records for Los Trancos Canal and Lagunita Canal, which divert above station.

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

0.27	0.00	1.6	4.3	4.2	102
.4	.05	1.8	6.2	4.6	135
.5	.1	2.0	8.5	5.0	176
.6	.2	2.2	11.2	5.5	240
.8	.5	2.4	14.6	6.0	319
1.0	1.0	2.6	19	6.5	414
1.2	1.7	2.8	25	7.0	528
1.4	2.9	3.0	33	8.0	840
		3.4	52		
		3.8	75		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	0							
2				0	0							
3				0	0							
4				0	0							
5				0	0							
6				0	0							
7				0	0							
8				0	0							
9				9	0							
10				4.3	0							
11				97	204							
12				2.0	286							
13				1.7	770							
14				20	360							
15				36	146							
16				57	112							
17				1.9	73							
18				0	177							
19				0	98							
20				0	82							
21				0	426							
22				0	595							
23				0	416							
24				0	199							
25				0	176							
26				0	112							
27				0	76							
28				0	61							
29				0	52							
30				0	-							
31				0	-							

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	3,474.2	635	0	9.52	6,900
January	228.9	97	0	7.38	454
February	4,421	770	0	152	8,770
March					
April					
May					
June					
July					
August					
September					
The period					9,220

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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, 175 feet above Newell Avenue bridge in Palo Alto, Santa Clara County, and about 2 miles above mouth. Altitude, about 5 feet.

Drainage area.- 38.6 square miles.

Records available.- January 1931 to September 1936.

Extremes.- Maximum discharge during year, 1,570 second-feet Feb. 21 (gage height, 12.20 feet); no flow for several months.
1931-36: Maximum discharge, that of Feb. 21, 1936; no flow for several months each year.

Remarks.- Records good except those for Apr. 10-14, which are fair and were computed on basis of records for station at Stanford University. Storage at Searsville Lake. See records for Los Trancos Canal and Lagunita Canal, which divert above station.

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

0.1	0.1	1.4	14.5	4.5	220
.2	.4	1.6	20.0	5.0	271
.4	1.3	1.8	27	5.5	326
.6	2.6	2.0	35	6.0	384
.8	4.5	2.4	54	7.0	516
1.0	7.0	2.8	76	8.0	672
1.2	10.5	3.2	103	9.0	852
		3.6	135		
		4.0	171		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	0.2	46	1.0					
2				0	0	33	0					
3				0	0	23	21					
4				0	0	22	117					
5				0	0	19	25					
6				0	0	16	17					
7				0	0	14	9					
8				0	0	13	7.5					
9				6.5	0	10	4.4					
10				.6	0	7.5	1.2					
11				100	185	3.6	2					
12				3.0	276	3.9	2					
13				0	705	6.5	1.5					
14				17	355	7	.2					
15				28	151	7.5	0					
16				68	112	7.5	0					
17				2.5	60	.4	0					
18				0	183	0	0					
19				0	89	0	0					
20				0	76	0	0					
21				0	374	0	0					
22				0	590	0	0					
23				0	396	0	0					
24				0	200	0	0					
25				0	180	3.0	0					
26				0	107	2.2	0					
27				0	73	1.5	0					
28				0	58	1.0	0					
29				0	48	3.8	0					
30				0	-	11	-					
31				0	-	24	-					

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	3,301.7	663	0	9.05	6,550
January	225.6	100	0	7.28	447
February	4,218.2	705	0	145	8,370
March	286.4	46	0	9.24	568
April	208.8	117	0	6.96	414
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 1935-36	4,939.0	705	0	13.5	9,800

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 1936.

Extremes.- Maximum discharge during year, 131 second-feet Feb. 21 (gage height, 2.08 feet); no flow for several months.
1931-36: Maximum discharge, 277 second-feet Feb. 8, 1932 (gage height, 2.93 feet); no flow for several months each year.

Remarks.- Records good. Discharge Apr. 11-12 interpolated; mean discharge for December computed on basis of one discharge measurement and weather records. 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 1935-36 (gage height, in feet, and discharge, in second-feet)

0.04	0.0	1.2	31
.2	.4	1.4	48
.4	2.0	1.6	69
.6	5.1	1.8	94
.8	11	2.0	120
1.0	19	2.1	134

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0.1	0.3	6.5	1.6	0.3	0.1			
2				.1	.1	5.5	1.5	.3	.1			
3				.1	.1	4.7	4.1	.4	.1			
4				.1	.1	4.3	16	.4	.1			
5				.1	.1	3.8	6	.4	.2			
6				.1	.1	3.4	3.4	.4	.1			
7				.1	.1	3.2	2.8	.5	.1			
8				.1	.1	3.2	1.9	.5	.1			
9				.3	.1	3.0	.5	.5	.1			
10				.1	.1	2.8	.4	.5	.1			
11				.3	3.3	2.6	.8	.3	.1			
12				.1	11	2.5	1.2	.3	.1			
13				.1	35	2.4	1.5	.3	.1			
14				.1	9.5	2.4	1.6	.2	.1			
15				.1	2.0	2.4	1.6	.3	.1			
16				.1	2.7	1.8	1.5	.4	.1			
17				.1	10	.5	1.5	.4	.1			
18				.1	25	.4	1.5	.3	.1			
19				.1	13	.3	1.5	.3	.1			
20				.1	9.5	.3	1.4	.3	.1			
21				.1	43	.3	1.5	.3	.1			
22				.1	50	.3	1.5	.2	.1			
23				.1	47	.4	1.1	.2	.1			
24				.1	25	.7	.6	.3	.1			
25				.1	25	.9	.5	.3	.1			
26				.1	16	1.0	.4	.2	.1			
27				.1	12	.9	.3	.2	.1			
28				.1	9.5	.9	.3	.2	.1			
29				.1	7.5	1.0	.3	.2	.1			
30				.1	-	1.4	.3	.2	.1			
31				.1	-	1.9	-	.1	-			

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	1.55	-	-	.05	3.1
Calendar year 1935	244.65	23	0	.670	486
January	3.5	.3	.1	.11	6.9
February	357.2	50	.1	12.3	708
March	65.7	6.5	.3	2.12	130
April	59.1	16	.3	1.97	117
May	9.7	.5	.1	.31	19
June	3.1	.2	.1	.10	6.1
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	499.85	50	0	1.37	990

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, half a mile below intake and 3 miles southwest of Stanford University post office, Santa Clara County. During periods of low flow recorder is moved to Cippoletti weir at canal intake. Altitude, about 360 feet.

Records available.- October 1931 to September 1936.

Extremes.- Maximum mean daily discharge during year, 40 second-feet Feb. 13; no flow at times.
1931-36: Maximum mean daily discharge, that of Feb. 13, 1936; no flow at times each year.

Remarks.- Records excellent. Discharge Oct. 1 to Nov. 14, Mar. 16 to Sept. 30 computed by formula for flow over Cippoletti weir. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.2	0.1	0.1	2.3	0	1.9	1.1	0.5	0.4	0.1	0.1
2	.2	.2	.1	.2	1.8	0	1.9	1.0	.5	.4	.1	.2
3	.2	.2	.1	.2	1.3	0	3.5	1.0	.5	.3	.1	.2
4	.2	.2	.1	.2	1.0	0	1.4	.9	.4	.4	.1	.2
5	.2	.2	.1	.2	.8	0	0	.8	.4	.4	.1	.2
6	.2	.2	.1	.2	.7	0	0	.8	.5	.3	.1	.1
7	.2	.2	.1	.1	.7	0	0	.8	.5	.2	.1	.1
8	.1	.2	.1	.1	.6	0	1.0	.8	.5	.3	.1	.1
9	.1	.2	.1	5	.6	0	2.4	.8	.5	.4	.1	.1
10	.2	.2	.1	1.9	.8	0	2.2	.7	.5	.3	.2	.1
11	.3	.2	.1	16	22	0	2.0	.7	.5	.3	.1	.1
12	.2	.2	.2	2.0	26	0	1.9	.7	.5	.3	.1	.2
13	.2	.2	.1	2.9	40	0	1.8	.6	.5	.2	.1	.1
14	.3	.1	.1	4.3	30	0	1.7	.8	.5	.2	.1	.1
15	.4	0	.1	5.5	18	0	1.7	.6	.5	.2	.1	.1
16	.2	0	.1	6	16	.9	1.6	.6	.4	.2	.1	.1
17	.2	0	.1	2.4	7.5	2.4	1.7	.5	.4	.2	.2	.1
18	.2	0	.1	1.6	0	2.4	1.6	.5	.4	.2	.2	0
19	.2	0	.1	1.3	0	2.3	1.5	.5	.3	.2	.2	0
20	.3	0	.1	1.1	0	2.3	1.4	.5	.3	.2	.2	0
21	.2	0	.1	1.0	0	2.2	1.3	.6	.3	.2	.2	.1
22	.2	0	.1	.9	0	2.1	1.3	.7	.4	.2	.1	.1
23	.2	0	.1	.8	0	2.0	1.3	.7	.3	.2	.1	.1
24	.2	0	.1	.8	0	2.4	1.3	.8	.3	.2	.1	0
25	.2	.1	.1	.7	0	2.0	1.2	.5	.3	.2	.1	0
26	.2	.1	.1	.7	0	1.8	1.2	.5	.3	.2	.1	0
27	.1	.1	.2	.6	0	1.8	1.3	.4	.3	.1	.1	0
28	.2	.1	.1	.6	0	1.9	1.2	.5	.2	.1	.1	.1
29	.1	.1	.3	.5	0	2.0	1.2	.5	.3	.1	.1	.1
30	.1	.1	.2	.5	-	2.8	1.2	.5	.3	.1	.1	.1
31	.1	-	.1	.5	-	2.8	-	.5	-	.1	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.1	0.4	0.1	0.20	12
November	3.3	.2	0	.11	6.5
December	3.6	.3	.1	.12	7.1
Calendar year 1935	552.1	23	0	1.51	1,100
January	58.9	16	.1	1.90	117
February	170.1	40	0	5.87	337
March	34.1	2.8	0	1.10	68
April	43.7	3.5	0	1.46	87
May	20.7	1.1	.4	.67	41
June	12.1	.5	.2	.40	24
July	7.3	.4	.1	.24	14
August	3.7	.2	.1	.12	7.3
September	2.8	.2	0	.09	5.6
Water year 1935-36	366.4	40	0	1.00	726

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 1936.

Extremes.- Maximum mean daily discharge during year, 23 second-feet Feb. 13; no flow for several months.
1931-36: Maximum mean daily discharge, that of Feb. 13, 1936; no flow for several months each year.

Remarks.- Records excellent except those for very low flows, which are fair. Discharge Nov. 1 to Dec. 10 estimated, May 16 to June 22 interpolated (stage-discharge relation affected by aquatic growth). 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.1	0.2	4.9	3.2	3.5	2.3	0.4			
2			.1	.2	2.7	5.5	3.6	2.4	.4			
3			.1	.2	3.0	6.5	4.0	2.0	.4			
4			.1	.2	5	6.5	4.6	1.8	.4			
5			.1	.5	4.6	7.5	6	1.6	.4			
6			.1	.4	2.5	7.5	6	1.4	.3			
7			.1	.2	2.0	7.5	6	1.0	.3			
8			.1	.2	1.7	7.5	6	1.0	.3			
9			.1	9.5	3.4	8	5.5	1.2	.3			
10			.1	9.5	1.3	8	5.5	1.0	.3			
11			.2	17	16	8	4.8	1.0	.2			
12			.4	9.5	21	3.5	4.2	.8	.2			
13			.2	7	23	.2	4.2	1.0	.2			
14			.2	16	21	.2	5	.8	.2			
15			.2	17	21	.2	4.6	.8	.2			
16			.2	17	21	4.3	4.5	.7	.1			
17			.2	12	8	6	4.5	.7	.1			
18			.2	5	.7	6	4.2	.7	.1			
19			.2	3.0	.4	6	4.6	.7	.1			
20			.2	2.6	.3	5.5	4.4	.7	.1			
21			.2	2.1	.2	6	3.4	.6	0			
22			.2	1.5	.2	6	5.5	.6	0			
23			.2	1.2	.2	4.2	4.5	.6	0			
24			.2	1.1	.2	3.3	4.0	.6	0			
25			.3	1.1	.2	3.3	3.9	.6	0			
26			.3	1.1	.2	3.3	3.5	.5	0			
27			.4	1.0	1.5	3.3	2.6	.5	0			
28			.2	.9	3.3	3.3	2.8	.5	0			
29			1.9	.9	3.2	3.4	2.6	.5	0			
30			1.0	.9	-	3.7	2.4	.5	0			
31			.2	1.0	-	3.7	-	.5	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	1.5	-	-	*.05	*3.0
December	8.3	1.9	.1	.27	16
Calendar year 1935	847.1	21	0	2.32	1,680
January	140.0	17	.2	4.52	278
February	172.7	23	.2	5.96	343
March	151.1	8	.2	4.87	300
April	130.9	6	2.4	4.36	260
May	29.6	2.4	.5	.95	59
June	5.0	.4	0	.17	9.9
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	639.1	23	0	1.75	1,270

*Estimated.

Stevens Creek near Cupertino, Calif.

Location.- Water-stage recorder, lat. 37°18'20", long. 122°4'25", 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 1936.

Extremes.- Maximum discharge during year, 242 second-feet Feb. 18 (gage height, 2.96 feet); minimum, 0.1 second-foot Oct. 1-13, Dec. 13-15, Sept. 8-30.
1930-36: Maximum discharge, 709 second-feet Dec. 27, 1931 (gage height, 4.57 feet); no flow at times each year except 1936.

Remarks.- Records good except those for Nov. 4 to Dec. 15, which were computed on basis of partial gage-height record, range in stage, one discharge measurement, and record for Campbell Creek at Saratoga. Storage in Stevens Creek Reservoir above station started in 1936.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.4	0.5	1.3	3.9	25	13	14	9.5	14	0.4	0.2
2	.1	.6	.5	1.6	5	26	13	13	9	14	.4	.2
3	.1	1.4	.4	2.5	5	26	16	13	9	14	.4	.2
4	.1	1.2	.4	2.7	5	28	15	16	9	14	.4	.2
5	.1	1.1	.4	2.5	5	38	17	42	8	14	.4	.2
6	.1	1.0	.3	2.4	3.6	37	14	32	6	14	.4	.2
7	.1	.9	.3	2.7	2.1	37	10	30	6	14	.4	.2
8	.1	.8	.2	2.3	2.1	37	17	18	10	13	.4	.1
9	.1	.7	.2	24	4.0	37	16	18	18	7.5	.4	.1
10	.1	.6	.2	25	5	34	16	22	20	4.4	.4	.1
11	.1	.5	.2	87	72	29	17	26	20	7	.5	.1
12	.1	.4	.2	25	70	19	15	18	25	3.9	.5	.1
13	.1	.4	.1	14	68	15	13	17	25	3.9	.4	.1
14	.2	.4	.1	20	77	14	13	16	25	20	.4	.1
15	.5	.4	.1	23	61	13	13	15	25	6.5	.4	.1
16	.5	.4	3.8	30	58	12	13	10	24	2.2	.3	.1
17	.3	.4	.3	10	36	12	14	7.5	24	2.2	.2	.1
18	.3	2.0	.6	6.5	48	12	14	6	23	1.8	.2	.1
19	.2	1.5	2.5	7.5	40	12	13	4.7	23	.6	.2	.1
20	.3	1.0	.2	5.5	31	12	13	5	22	.3	.2	.1
21	.3	.9	.2	5	32	13	12	9	22	.2	.2	.1
22	.2	.9	.2	5	51	13	8.5	11	24	.2	.2	.1
23	.2	.8	.2	5	33	13	9	11	20	.3	.2	.1
24	.2	.8	12	4.8	31	13	9.5	11	13	.2	.2	.1
25	.2	.8	.4	4.8	34	13	11	11	13	.4	.2	.1
26	.2	.7	.4	3.2	32	13	9.5	11	13	.7	.2	.1
27	.3	.7	.4	1.9	28	12	9.5	16	14	.8	.2	.1
28	.3	.6	.4	1.7	22	11	9.5	12	14	.6	.2	.1
29	.3	.6	.4	3.6	23	10	12	11	14	.6	.2	.1
30	.3	.6	.8	3.2	-	12	13	11	14	.4	.2	.1
31	.3	-	1.5	1.9	-	13	-	11	-	.4	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6.4	0.5	0.1	0.21	13
November	23.5	2.0	.4	.78	47
December	28.4	12	.1	.92	56
Calendar year 1935	3,310.8	164	0.1	9.07	6,570
January	351.6	87	1.3	11.3	697
February	895.7	78	2.1	30.9	1,780
March	611	38	10	19.7	1,210
April	388.5	17	8.5	13.0	771
May	468.2	42	4.7	15.1	929
June	501.5	25	6	16.7	995
July	176.1	20	.2	5.68	349
August	9.5	.5	.2	.31	19
September	3.7	.2	.1	.12	7.3
Water year 1935-36	3,464.1	87	.1	9.46	6,870

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 1936.

Extremes.- Maximum discharge during year, 182 second-feet Feb. 11 (gage height, 1.90 feet); no flow Sept. 18-21, 24-28.
1930-36: Maximum discharge, 1,160 second-feet Dec. 28, 1931 (gage height, 4.05 feet); no flow during part of each year.

Remarks.- Records good. Small diversions above station. Storage in Guadalupe Reservoir beginning in 1936.

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

0.2	0	.8	9.5
.3	0.1	1.0	23
.4	.4	1.2	42
.5	1.2	1.4	71
.6	2.7	1.6	107
.7	5.5		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.5	.3	2.3	8.5	9.5	16	43	54	1.4	0.4	0.1
2	.2	.7	.3	2.5	9.5	8.5	14	48	55	1.3	.4	.1
3	.2	.7	.3	2.5	9.5	8	28	52	36	1.2	.4	.1
4	.2	.7	.4	2.3	5.5	7	16	51	4.9	1.1	.4	.1
5	.2	.7	.5	1.3	4.9	6.5	8.5	48	2.7	1.2	.4	.1
6	.2	.7	.7	1.1	4.0	6	8.5	33	2.5	3.8	.4	.1
7	.2	.6	.6	.9	3.7	5.5	10	33	2.7	4.4	.1	.1
8	.2	.6	.5	1.0	3.7	4.9	14	32	2.7	2.0	.1	.1
9	.3	.4	.5	12	3.7	4.6	16	22	2.7	1.3	.1	.1
10	.2	.4	.4	18	4.0	4.0	15	6	2.5	1.4	.1	.1
11	.4	.4	.4	52	51	3.7	15	6	2.5	1.2	.1	.1
12	.4	.4	1.0	40	76	3.7	14	6	2.5	1.0	.1	.1
13	.4	.4	.6	28	51	6	14	6	2.7	.8	.1	.1
14	.4	.4	.5	23	30	19	14	6	2.7	.7	.1	.1
15	2.2	.3	.5	18	25	31	14	5.5	2.7	.7	.1	.1
16	.7	.4	.6	19	32	33	14	4.0	2.5	.7	.1	.1
17	.9	.4	.5	8	24	35	13	3.1	2.1	.7	.1	.1
18	.4	.3	.4	7.5	34	35	13	3.4	2.1	.6	.1	0
19	.3	.4	.4	6	22	34	12	3.4	2.0	.6	.1	0
20	.4	.4	.4	5.5	17	34	12	3.7	2.0	.6	.1	0
21	.5	.4	.4	4.3	31	34	12	10	1.8	.5	.1	0
22	.4	.3	.4	4.3	55	34	12	51	1.7	.5	.1	.1
23	.6	.4	.4	4.6	48	34	12	63	1.7	.5	.1	.1
24	.3	.4	.4	4.0	34	34	12	60	1.7	.5	.1	0
25	.4	.4	.4	3.7	29	30	12	57	1.6	.4	.1	0
26	.3	.3	.5	3.7	22	22	12	55	1.4	.3	.1	0
27	.3	.3	.6	3.7	17	22	13	54	1.4	.3	.1	0
28	.4	.3	.5	3.1	14	23	15	54	1.4	.3	.1	0
29	.4	.3	1.8	2.0	12	27	27	54	1.3	.5	.1	.1
30	.4	.3	1.0	2.1	-	22	41	51	1.3	.5	.1	.1
31	.4	-	2.5	3.1	-	18	-	48	-	.5	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13.0	2.2	0.2	0.42	26
November	13.2	.7	.3	.44	26
December	18.7	2.5	.3	.60	37
Calendar year 1935	3,535.3	194	.1	9.69	7,010
January	289.5	52	.9	9.34	574
February	681.0	76	3.7	23.5	1,350
March	598.9	35	3.7	19.3	1,190
April	449.0	41	8.5	15.0	891
May	972.1	63	3.1	31.4	1,930
June	204.8	55	1.3	6.83	406
July	31.5	4.4	.3	1.02	62
August	4.9	.4	.1	.16	9.7
September	2.1	.1	0	.07	4.2
Water year 1935-36	3,278.7	76	0	8.96	6,510

Guadalupe Creek at San Jose, Calif.

Location.- Water-stage recorder, lat. 37°20'0", long. 121°54'0", 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 1936.

Extremes.- Maximum discharge during year, 910 second-feet Feb. 21 (gage height, 3.45 feet); no flow most of year.
1930-36: Maximum discharge, 6,700 second-feet Dec. 27, 1931 (gage height, 11.12 feet); no flow most of each year.

Remarks.- Records excellent. Small diversions above station. Storage in several upstream reservoirs beginning in 1936.

Rating table, water year 1935-36 except Feb. 12-21 (gage height, in feet, and discharge, in second-feet)

0.45	0.0	1.8	46
.6	.6	2.0	60
.7	1.4	2.2	135
.8	2.5	2.4	205
1.0	5.8	2.6	295
1.2	10.5	2.8	415
1.4	17.0	3.0	560
1.6	27	3.2	710

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	0	2.4	0					
2				0	0	3.9	0					
3				0	0	7	0					
4				0	0	2.1	16					
5				0	0	.6	.6					
6				0	0	1.5	0					
7				0	0	.8	0					
8				0	0	0	0					
9				0	0	0	0					
10				0	0	2.0	0					
11				38	0	33	0					
12				1.7	247	26	0					
13				0	296	24	0					
14				0	149	14	0					
15				0	152	7.5	0					
16				0	278	1.5	0					
17				0	94	0	0					
18				0	136	0	0					
19				0	43	0	0					
20				0	16	0	0					
21				0	234	.8	0					
22				0	650	1.4	0					
23				0	443	0	0					
24				0	233	0	0					
25				0	237	0	0					
26				0	123	0	0					
27				0	76	0	0					
28				0	24	0	0					
29				0	12	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 1935	5,139.8	750	0	14.1	10,190
January	39.7	38	0	1.28	79
February	3,443	650	0	119	6,830
March	128.5	33	0	4.15	255
April	16.6	16	0	0.55	33
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 1935-36	3,627.8	650	0	9.91	7,200

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 junction with Guadalupe Creek and 4 miles southwest of Edenvale. Altitude, about 200 feet.

Drainage area.- 35.0 square miles.

Records available.- January 1930 to September 1936.

Extremes.- Maximum discharge during year, 270 second-feet Feb. 12 (gage height, 4.08 feet); no flow for several months.
1930-36: Maximum discharge, 2,670 second-feet Dec. 27, 1931 (gage height, 6.60 feet); no flow for several months each year.

Remarks.- Records good. Small diversions above station. Storage in Calero and Almaden Reservoirs beginning in 1936.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	8	47	46	11	0			
2				0	9.6	59	44	12	0			
3				0	4.9	55	44	14	0			
4				0	1.6	47	45	13	18			
5				0	4.9	47	18	4.9	59			
6				0	2.7	48	28	4.6	21			
7				0	.1	40	44	10	20			
8				0	0	38	48	19	22			
9				0	0	36	46	16	8			
10				0	0	68	46	10	4.6			
11				9.5	62	89	47	5	2.2			
12				66	172	79	50	6.5	1.3			
13				49	131	77	50	8.5	.5			
14				6	68	60	48	11	.1			
15				2.8	110	53	44	12	0			
16				6	99	41	38	15	0			
17				.9	84	32	42	17	0			
18				0	99	34	43	17	0			
19				0	53	50	42	16	0			
20				0	50	51	41	15	0			
21				0	47	52	40	14	0			
22				0	64	28	38	4.3	0			
23				0	74	28	38	.7	0			
24				0	59	39	39	.1	0			
25				0	126	42	40	0	0			
26				0	102	42	43	0	0			
27				0	76	43	42	0	0			
28				0	28	43	42	0	0			
29				0	59	43	41	0	0			
30				0	-	44	15	0	0			
31				0	-	42	-	0	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	5,122.4	297	0	14.0	10,170
January	140.2	66	0	4.52	278
February	1,594.7	172	0	55.0	3,160
March	1,497	89	28	48.3	2,970
April	1,232	50	15	41.1	2,440
May	256.6	19	0	8.28	509
June	156.7	59	0	5.22	311
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	4,877.2	172	0	13.3	9,670

Los Gatos Creek at Los Gatos, Calif.

Location.- Water-stage recorder, lat. 37°13'15", long. 121°59'0", in SW¼ sec. 21, T. 8 S., R. 1 W., about 700 feet upstream from highway bridge at Los Gatos. Altitude, about 360 feet.

Drainage area.- 40.0 square miles.

Records available.- January 1930 to September 1936.

Extremes.- Maximum discharge during year, 1,310 second-feet Feb. 11 (gage height, 6.90 feet); no flow Aug. 3 to Sept. 30.
1930-36: Maximum discharge, 3,340 second-feet Dec. 27, 1931 (gage height, 9.75 feet); no flow during part of most years.

Remarks.- Records good except those for May 24-31 and June 19 to July 2, when gage heights were affected by rocks placed on control and discharge was estimated. Several small storage reservoirs and diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	2.9	0.4	1.4	41	136	30	17	8	0.2	0.1	
2	3.0	9	.3	3.9	31	124	28	12	12	.2	.1	
3	2.8	6.5	.3	6	20	110	158	12	9	.4	0	
4	2.5	4.2	.4	.8	15	99	186	14	5.5	1.1	0	
5	2.8	.6	.6	.6	13	90	96	14	7	1.0	0	
6	3.0	.4	.6	.6	10	83	66	10	12	1.0	0	
7	3.0	.4	.6	.4	9	78	55	8.5	21	.4	0	
8	3.2	.3	.7	.7	8	75	50	8.5	10	.2	0	
9	3.8	.3	.7	138	8	69	44	8	4.5	.4	0	
10	3.4	.3	.7	119	9	62	40	8	3.9	.4	0	
11	6	.2	1.0	442	519	56	36	8	3.0	.4	0	
12	6	.2	9.5	81	543	50	33	8.5	2.2	.3	0	
13	3.8	.2	7.5	45	623	37	33	8	2.2	.2	0	
14	4.5	.2	6.5	39	420	35	30	18	3.2	.1	0	
15	6	.2	6	43	346	34	30	9	5.5	.1	0	
16	4.9	.3	5.5	71	452	32	28	7	2.0	.1	0	
17	4.0	.3	4.0	44	276	30	27	7.5	1.9	.1	0	
18	3.6	.3	.6	33	306	29	27	8	1.6	.1	0	
19	3.6	.4	.5	25	247	28	24	8	1.5	.1	0	
20	3.6	.4	.4	19	214	28	24	8	1.0	.1	0	
21	3.6	.3	.4	16	544	34	26	7.5	1.2	.2	0	
22	3.2	.3	.4	15	835	33	33	7.5	1.0	.1	0	
23	2.9	.3	.3	12	582	32	28	6	1.2	.1	0	
24	3.2	.6	.3	11	385	35	21	5.5	1.5	.1	0	
25	3.3	1.8	.3	7.5	327	32	17	6.5	1.2	.2	0	
26	3.3	4.2	.3	7	250	28	16	7	1.0	1.2	0	
27	3.3	4.0	1.9	7.5	207	28	16	9.5	.8	.6	0	
28	3.3	3.9	.9	6	180	26	16	18	.6	.2	0	
29	3.6	3.9	29	6	155	27	17	8.5	.4	.1	0	
30	2.0	3.3	11	4.2	-	42	18	14	.4	.1	0	
31	1.2	-	7	3.0	-	48	-	17	-	.1	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	108.7	6	1.2	3.51	216
November	50.2	9	.2	1.67	100
December	98.6	29	.3	3.18	196
Calendar year 1935	12,628.2	631	.2	34.6	25,060
January	1,208.6	442	.4	39.0	2,400
February	7,575	835	8	261	15,020
March	1,650	136	26	53.2	3,270
April	1,253	186	16	41.8	2,490
May	309.0	18	5.5	9.97	613
June	129.3	21	.4	4.31	256
July	9.9	1.2	.1	0.32	20
August	.2	.1	0	.01	.4
September	0	0	0	0	0
Water year 1935-36	12,392.5	835	0	33.9	24,580

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.

Drainage area.- 8.8 square miles.

Records available.- October 1933 to September 1936.

Extremes.- Maximum discharge during year, 268 second-feet Feb. 21 (gage height, 2.80 feet); no flow at times in August and September.
1933-36: Maximum discharge, 314 second-feet Jan. 1, 1934 (gage height, 3.13 feet); no flow part of each year.

Remarks.- Records fair. Diversion and regulation above station by San Jose Water Works.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	1.3	0.7	1.0	8	27	7.5	5.5	2.7	0.9	*0.1	0.1
2	.5	1.6	.5	1.4	3.4	24	7	5	2.7	.9	* .1	0
3	.3	.9	.5	1.8	4.4	22	48	5	2.5	1.0	* .1	0
4	.5	.7	.9	1.7	3.3	19	53	4.9	2.9	.9	* .1	0
5	.6	.9	.9	1.5	3.2	18	27	4.6	2.9	.9	* .1	0
6	.4	1.0	.9	1.3	3.2	16	21	4.4	3.1	.9	0	0
7	.3	.9	.9	1.2	3.0	15	18	4.2	4.6	.8	0	0
8	.5	.9	1.0	1.6	2.8	14	16	4.2	4.0	.9	0	0
9	.6	.8	1.0	21	2.7	13	14	4.0	3.1	.1.4	0	0
10	.5	.6	.9	6.5	2.8	12	13	3.8	2.5	1.4	.2	0
11	1.0	.6	.7	58	57	11	12	3.6	2.4	1.0	.4	0
12	.8	.9	1.9	13	65	11	11	3.6	2.3	.7	.1	.2
13	.8	.9	1.2	8.5	88	10	10	3.3	2.3	1.0	0	.1
14	1.1	.7	1.1	6.5	76	9	10	4.0	2.1	.7	0	.2
15	1.7	.9	1.0	8	56	8.5	9	3.6	2.4	.8	0	0
16	1.0	.9	.9	11	62	8	8.5	3.6	2.0	.6	0	0
17	.9	1.0	.e	6.5	45	8	8	2.9	1.9	.5	0	0
18	.9	.9	.7	5	49	8	8	2.7	1.9	.4	0	0
19	.9	.9	.9	3.6	39	8	8	2.7	2.0	.2	0	0
20	.9	1.0	1.0	3.2	37	8	7.5	2.7	1.5	.4	* .1	0
21	.9	.8	1.0	2.7	116	e	7.5	2.5	1.2	.2	.7	0
22	.S	.5	1.0	2.6	152	7.5	7.5	2.3	1.2	.2	.2	0
23	.8	.9	.9	2.4	114	7	7	2.4	1.1	.2	.1	0
24	.7	1.0	.9	2.4	75	8	7	2.3	1.2	.2	0	0
25	.6	.9	.8	2.3	67	7.5	6.5	2.4	1.0	*.1	0	0
26	.5	.7	1.0	2.2	46	7	6.5	2.4	1.0	*.1	0	0
27	.4	.9	1.5	2.1	42	6.5	6	2.5	1.0	.4	0	0
28	.4	.9	1.3	2.0	37	6.5	6.5	4.6	1.0	*.1	0	0
29	.5	.9	7	1.8	32	6.5	6.5	3.8	1.0	*.1	* .1	0
30	.8	.8	2.0	1.8	-	10	6	4.6	1.3	*.1	.1	0
31	.8	-	1.4	1.8	-	10	-	3.6	-	*.1	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	21.9	1.7	0.3	0.71	43
November	26.6	1.6	.5	.89	53
December	37.2	7	.5	1.20	74
Calendar year 1935	2,504.1	104	.2	6.86	4,970
January	186.4	58	1.0	6.01	370
February	1,291.8	152	2.7	44.5	2,560
March	354.0	27	6.5	11.4	702
April	383.5	53	6	12.8	761
May	111.7	5.5	2.3	3.60	222
June	62.8	4.6	1.0	2.09	125
July	18.1	1.4	.1	.58	36
August	2.7	.7	0	.09	5.4
September	0.6	.2	0	.02	1.2
Water year 1935-36	2,497.3	152	0	6.82	4,950

*Estimated.

Coyote Creek near Madrone, Calif.

Location.- Water-stage recorder, lat. 37°10'0", 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 2.8 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 1936.

Average discharge.- 30 years (1902-12, 1916-36), 70.7 second-feet.

Extremes.- Maximum discharge during year, 1,020 second-feet Feb. 22 (gage height, 6.85 feet); minimum, 0.2 second-foot Sept. 27 and 28.
1902-12, 1916-36: Maximum discharge, 25,000 second-feet, probably on Mar. 7, 1911, furnished by Duryea, Haehl, & Gilman; no flow at times.

Remarks.- Records excellent. No large diversions. Storage in Coyote Reservoir beginning in 1936.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	0.8	0.9	1.3	29	410	84	86	130	97	2.8	0.7
2	.6	1.0	.9	1.4	143	402	84	86	112	100	2.7	.7
3	.6	.9	.9	1.6	152	402	99	86	99	87	2.6	.8
4	.6	1.0	.8	1.5	142	395	117	94	97	29	2.5	1.1
5	.6	1.0	.8	1.4	113	388	62	108	97	19	2.4	1.1
6	.6	1.2	.9	1.2	53	384	100	112	91	15	2.0	1.3
7	.6	1.2	1.0	1.1	38	381	88	111	87	14	1.9	.8
8	.7	1.2	1.0	1.2	30	378	77	94	86	13	1.6	.7
9	.7	1.2	1.0	54	24	374	85	96	85	13	1.7	.5
10	.6	1.2	1.0	162	20	306	84	99	86	12	2.1	.6
11	1.0	1.2	1.0	210	73	68	83	103	88	10	2.3	.7
12	.9	1.2	1.6	219	495	133	83	108	92	9.5	2.0	.7
13	.8	1.2	1.1	210	728	104	83	106	110	8.5	1.9	.7
14	.8	1.2	1.1	193	535	57	83	106	109	8	1.6	.7
15	1.0	1.2	1.1	177	465	46	86	105	113	7.5	1.6	.5
16	.8	1.2	1.1	191	535	39	88	104	112	7	1.5	.5
17	.7	1.3	1.1	176	421	67	88	103	111	6	1.4	.4
18	.8	1.2	1.0	150	495	73	88	102	111	5.5	1.1	.4
19	.9	1.2	1.0	98	398	69	88	101	106	5	1.0	.3
20	.8	1.1	1.0	39	378	84	88	100	99	4.9	1.2	.3
21	.8	1.0	1.0	28	395	112	88	100	85	4.6	1.1	.3
22	.6	1.0	1.0	20	738	112	87	99	84	4.2	1.0	.4
23	.6	1.0	1.0	18	763	94	86	98	87	3.9	.9	.4
24	.6	1.0	1.0	17	563	86	86	109	102	3.8	.8	.3
25	.6	1.0	1.0	15	563	84	86	129	116	3.5	.8	.3
26	.6	.9	1.0	14	491	82	86	137	121	3.4	.7	.3
27	.6	.9	1.1	14	461	82	86	137	115	3.4	.8	.2
28	.6	.9	1.1	13	440	82	86	135	109	3.4	.8	.2
29	.6	.9	2.4	12	421	84	87	134	105	3.0	.8	.4
30	.6	.9	2.2	12	-	88	86	137	102	2.9	.8	.4
31	.6	-	1.6	11	-	87	-	133	-	2.7	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	21.5	1.0	0.6	0.69	43
November	32.2	1.3	.8	1.07	64
December	34.7	2.4	.8	1.12	69
Calendar year 1935	16,198.6	2,760	.3	44.4	32,140
January	2,063.7	219	1.1	66.6	4,090
February	10,102	763	20	348	20,040
March	5,553	410	39	179	11,010
April	2,602	117	62	86.7	5,160
May	3,358	137	86	108	6,660
June	3,047	130	84	102	6,040
July	509.7	100	2.7	16.4	1,010
August	47.1	2.8	.7	1.52	93
September	16.7	1.3	.2	.56	33
Water year 1935-36	27,387.6	763	.2	74.8	54,310

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 1.5 miles northeast of Edenvale, Santa Clara County. Altitude, about 190 feet.

Drainage area.- 229 square miles.

Records available.- October 1916 to September 1936.

Average discharge.- 20 years, 26.3 second-feet.

Extremes.- Maximum discharge during year, 861 second-feet Feb. 23 (gage height, 4.39 feet); no flow during most of year.
1916-36: Maximum discharge, 10,000 second-feet Feb. 10, 1922 (gage height, 12.8 feet); no flow during most of each year.

Remarks.- Records excellent. Water pumped from wells along creek above station for irrigation. Storage in Coyote Reservoir beginning in 1936.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	0	347	10	12	53	12		
2				0	0	335	11	9	48	5		
3				0	0	329	22	5.5	23	13		
4				0	0	323	96	5	18	3.9		
5				0	0	317	35	14	16	0		
6				0	0	311	.1	23	16	0		
7				0	0	311	16	26	13	0		
8				0	0	305	12	26	8	0		
9				0	0	305	13	41	4.0	0		
10				0	0	300	15	15	3.6	0		
11				0	0	59	14	16	4.0	0		
12				0	303	4.3	13	21	5	0		
13				0	599	48	12	22	2.6	0		
14				0	492	6.5	12	22	11	0		
15				0	425	0	12	21	16	0		
16				0	479	0	16	20	17	0		
17				4.6	383	0	15	19	16	0		
18				14	449	0	14	14	16	0		
19				6.5	383	0	13	12	17	0		
20				.1	353	0	14	10	16	0		
21				0	353	5	14	9.5	8	0		
22				0	613	29	13	9.5	1.6	0		
23				0	716	32	12	6	0	0		
24				0	530	19	10	4.4	0	0		
25				0	498	14	10	16	8	0		
26				0	437	9.5	10	26	20	0		
27				0	401	9	9.5	29	22	0		
28				0	377	9.5	9	33	18	0		
29				0	359	10	9.5	37	16	0		
30				0	-	14	11	50	14	0		
31				0	-	14	-	70	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	6,945.7	2,580	0	19.0	13,780
January	25.2	14	0	.81	50
February	8,150	716	0	281	16,170
March	3,465.8	347	0	112	6,870
April	473.1	96	.1	15.8	938
May	643.9	70	4.4	20.8	1,280
June	430.8	53	0	14.4	854
July	33.9	13	0	1.09	67
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	13,222.7	716	0	36.1	26,230

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.- October 1916 to September 1936.

Average discharge.- 19 years (1916-19, 1920-36), 58.3 second-feet.

Extremes.- Maximum discharge during year, 5,450 second-feet Feb. 14 (gage height, 8.80 feet); minimum, 0.5 second-foot Jan. 6, 8.
1916-36: 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, 1924-35.

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 4 to Sept. 30. Gage-height record collected in cooperation with city of San Francisco.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	44	35	38	0.7	15	196	6	2.2	9.5	11	2.7	5.5
2	39	36	40	.8	235	155	5	2.1	9.5	10	2.7	5.5
3	42	36	47	1.0	118	124	8	3.7	8	10	3.0	5.5
4	42	32	34	.9	83	104	162	7.5	6.5	10	3.0	5.5
5	42	36	34	.6	37	75	196	4.4	12	11	3.2	5
6	42	36	30	.5	11	67	87	3.0	14	11	3.2	4.6
7	42	36	27	.6	6.5	58	50	2.9	20	11	3.2	4.9
8	42	36	33	.5	4.1	36	34	2.5	20	10	3.0	4.6
9	42	36	38	249	3.6	25	25	3.4	18	10	3.4	4.6
10	43	35	37	135	3.0	18	15	11	18	9	3.6	4.6
11	41	35	34	538	126	9	7	17	18	8	3.6	4.9
12	33	36	30	224	1,960	7.5	6	13	17	3.0	3.7	5
13	29	16	24	100	4,720	7	4.9	10	17	2.4	3.6	5.5
14	30	38	31	152	3,750	6.5	4.6	7	17	2.0	3.6	5.5
15	32	38	34	224	1,500	6.5	4.4	7	16	1.8	3.6	5.5
16	24	14	37	378	1,120	6	4.4	6	14	1.6	3.6	3.7
17	9	3.6	37	179	750	6	4.6	6	13	1.6	3.6	3.2
18	26	9.5	38	95	1,600	5.5	4.6	7.5	15	1.6	3.6	2.5
19	30	11	36	50	980	5.5	4.4	5.5	14	1.7	3.7	1.7
20	33	29	34	26	631	5	3.6	4.4	14	1.7	3.9	1.2
21	17	39	31	17	1,220	4.9	3.4	4.6	14	1.8	4.1	1.1
22	30	41	7	12	3,880	4.6	3.2	4.6	13	2.0	5.5	2.0
23	38	34	2.7	8	2,950	4.6	3.0	3.4	12	2.0	5.5	3.7
24	43	40	1.4	6.5	1,650	5.5	3.0	3.2	12	2.0	4.4	2.7
25	43	38	.9	4.9	1,550	6	2.9	3.2	12	2.1	6.5	2.1
26	43	39	1.5	3.9	868	5	2.7	3.2	12	2.2	5.5	2.0
27	42	38	2.5	3.7	572	4.9	2.5	3.2	12	2.2	6	1.8
28	41	36	2.2	3.7	404	4.9	2.5	3.7	12	2.4	6	2.0
29	40	33	2.7	3.6	254	5	2.5	9.5	12	2.7	5.5	4.1
30	42	30	1.5	3.4	-	6	2.4	9.5	12	2.7	5.5	5.5
31	44	-	.9	2.9	-	7	-	9.5	-	2.7	5.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,130	44	9	36.5	2,240
November	952.1	41	3.6	31.7	1,890
December	747.3	47	.9	24.1	1,480
Calendar year 1935	18,129.2	1,540	.7	49.7	35,970
January	2,425.2	538	.5	78.2	4,810
February	31,001.2	4,720	3.0	1,069	61,490
March	980.9	196	4.6	31.6	1,950
April	664.6	196	2.4	22.2	1,320
May	183.7	17	2.1	5.93	364
June	413.5	20	6.5	13.8	820
July	153.2	11	1.6	4.94	304
August	127.5	6.5	2.7	4.11	253
September	116.0	5.5	1.1	3.87	230
Water year 1935-36	38,895.2	4,720	.5	106	77,150

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 1936.

Average discharge.- Combined flow of Kern River near Kernville and Kern River No. 3 Canal, 24 years, 642 second-feet.

Extremes.- Maximum discharge during year, 2,980 second-feet May 19 (gage height, 9.27 feet); minimum, 0.5 second-foot Dec. 17.
1912-36: 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. Discharge interpolated Jan. 20-25 and Sept. 2-30. See record 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.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Mar. 8)

2.6	1.0	3.6	39	6.5	790
2.7	2.0	3.8	56	7.0	1,060
2.8	3.5	4.0	75	7.5	1,370
2.9	5.5	4.5	143	8.0	1,740
3.0	8	5.0	248	8.5	2,180
3.2	15	5.5	386	9.0	2,700
3.4	25	6.0	570	9.3	3,030

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	1.2	1.1	1.2	2.5	2.0	73	1,440	1,300	865	306	1.7
2	.8	1.3	1.3	1.2	302	1.8	85	1,620	1,180	815	173	1.7
3	.8	1.3	1.4	1.2	3.5	1.8	129	1,940	1,120	790	86	1.7
4	.8	1.3	1.6	1.3	1.9	1.8	256	2,130	1,000	765	41	1.7
5	.8	1.3	1.5	1.4	1.5	1.7	216	2,430	1,000	970	15	1.7
6	.8	1.3	1.1	1.4	1.3	1.8	223	2,330	1,090	672	20	1.7
7	.8	1.2	1.5	1.5	1.4	17	267	1,900	1,120	650	8.5	1.6
8	.8	1.3	1.4	1.6	1.4	52	415	1,820	1,120	718	16	1.6
9	.8	1.4	1.9	2.4	1.3	108	570	1,900	1,150	530	101	1.6
10	.8	1.5	1.7	1.4	1.2	171	718	2,180	1,400	399	279	1.6
11	.9	1.5	1.0	1.0	218	212	865	2,380	1,780	428	132	1.6
12	.9	1.3	1.0	1.4	297	230	1,000	2,480	2,080	336	43	1.6
13	.9	1.0	1.5	1.5	257	246	1,120	2,700	2,040	306	8	1.5
14	.9	1.0	1.4	1.5	223	256	1,270	2,760	1,780	322	2.7	1.5
15	1.0	1.0	2.1	1.5	105	284	1,480	2,700	1,480	308	2.0	1.5
16	1.0	.9	1.7	1.6	143	328	1,660	2,640	1,510	292	1.8	1.5
17	1.0	1.0	1.0	1.6	13	295	1,740	2,700	1,780	256	1.6	1.5
18	.9	1.0	1.4	1.4	7	320	1,740	2,760	1,990	256	1.4	1.5
19	.9	1.0	1.5	1.4	5.5	325	1,580	2,810	1,700	334	1.3	1.4
20	.9	1.0	2.2	1.4	4.9	306	1,620	2,380	1,580	334	1.4	1.4
21	1.0	1.0	1.3	1.4	4.3	331	1,620	2,130	1,700	502	1.4	1.4
22	1.0	1.0	1.8	1.4	4.7	345	1,580	2,180	1,620	479	1.4	1.4
23	1.2	1.0	1.3	1.4	46	209	1,700	2,430	1,740	371	1.4	1.4
24	1.2	1.0	1.0	1.4	7	164	1,700	2,640	1,760	306	1.4	1.4
25	1.2	1.1	1.0	1.5	4.9	111	1,700	2,760	1,510	236	1.4	1.3
26	1.1	1.2	1.7	1.5	4.1	64	1,820	2,540	1,440	166	1.4	1.3
27	1.0	1.2	1.5	1.5	3.1	54	1,940	2,130	1,340	248	1.4	1.3
28	1.1	1.1	2.1	1.6	2.3	31	1,900	2,040	1,370	339	1.5	1.3
29	1.2	1.1	2.5	2.3	2.1	22	1,700	1,990	1,060	359	1.5	1.3
30	1.2	1.1	1.8	2.3	-	75	1,480	2,330	915	356	1.6	1.3
31	1.2	-	1.4	2.4	-	141	-	2,080	-	311	1.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	29.7	1.2	0.8	0.96	59
November	34.6	1.5	.9	1.15	69
December	46.7	2.5	1.0	1.51	93
Calendar year 1935	85,757.2	2,490	.4	235	170,100
January	47.6	2.4	1.0	1.54	94
February	1,669.9	302	1.2	57.6	3,310
March	4,707.9	345	1.7	152	9,340
April	34,187	1,940	73	1,140	67,810
May	71,250	2,810	1,440	2,298	141,300
June	43,675	2,080	915	1,456	86,630
July	14,019	970	166	452	27,810
August	1,256.8	306	1.3	40.5	2,490
September	45.0	1.7	1.3	1.50	89
Water year 1935-36	170,969.2	2,610	.8	467	339,100

Combined discharge, in second-feet, of Kern River and Kern River No. 3 Canal near Kernville, Calif., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	190	175	181	196	332	465	683	2,050	1,830	1,460	889	284
2	219	207	180	203	898	500	693	2,230	1,790	1,400	755	280
3	226	186	184	215	358	533	736	2,540	1,730	1,380	667	280
4	206	180	201	213	300	559	862	2,730	1,610	1,350	621	286
5	197	189	198	213	266	581	823	3,030	1,610	1,280	594	286
6	191	195	190	200	278	590	830	2,930	1,700	1,290	600	278
7	187	199	192	188	285	611	894	2,500	1,730	1,260	576	266
8	184	199	196	189	278	648	1,020	2,420	1,730	1,330	587	257
9	182	195	196	241	263	703	1,180	2,500	1,760	1,140	687	248
10	178	192	196	241	255	766	1,320	2,780	2,010	1,010	867	246
11	177	186	197	267	665	807	1,470	2,980	2,390	1,040	713	242
12	184	185	200	243	906	824	1,600	3,080	2,690	950	621	238
13	183	181	192	226	866	847	1,720	3,300	2,650	919	562	240
14	180	172	170	226	829	862	1,870	3,360	2,390	933	517	240
15	215	170	185	226	711	890	2,080	3,310	2,090	918	488	238
16	216	181	184	229	749	934	2,260	3,250	2,120	901	470	230
17	215	195	174	208	551	900	2,340	3,310	2,390	862	455	226
18	211	195	175	197	492	925	2,340	3,370	2,610	860	431	228
19	204	181	176	207	432	934	2,180	3,420	2,320	937	412	224
20	203	189	188	206	400	914	2,220	2,990	2,200	934	393	219
21	201	193	190	200	455	940	2,220	2,740	2,320	1,100	378	216
22	195	197	188	199	529	953	2,180	2,790	2,240	1,080	359	215
23	189	195	183	199	655	818	2,300	3,050	2,360	965	342	213
24	186	191	182	201	514	774	2,300	3,250	2,390	896	328	211
25	187	189	180	202	470	721	2,300	3,380	2,120	824	316	209
26	187	187	182	202	454	675	2,430	3,160	2,050	752	307	209
27	186	185	184	202	441	665	2,550	2,740	1,940	833	301	209
28	184	183	185	213	438	642	2,510	2,650	1,970	923	298	209
29	183	181	212	231	442	633	2,310	2,600	1,660	942	300	209
30	179	181	198	217	-	684	2,090	2,410	1,510	938	310	209
31	164	-	206	210	-	751	-	2,080	-	893	296	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,989	226	164	193	11,880
November	5,634	207	170	188	11,170
December	5,845	212	170	189	11,590
Calendar year 1935	214,342	3,100	164	587	425,100
January	6,610	267	188	213	13,110
February	14,512	906	255	500	28,780
March	23,049	953	465	744	45,720
April	52,311	2,550	683	1,744	103,800
May	88,930	3,420	2,050	2,869	176,400
June	61,910	2,690	1,510	2,064	122,800
July	32,300	1,460	752	1,042	64,070
August	15,440	889	296	498	30,620
September	7,145	286	209	238	14,170
Water year 1935-36	319,675	3,420	164	873	634,100

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 1936.

Average discharge.- 41 years (1893-1906, 1908-36), 922 second-feet.

Extremes.- 1896-1936: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	170	177	195	227	240	687	1,057	3,138	2,488	1,606	920	306
2	186	180	190	231	414	688	956	3,056	2,275	1,511	873	291
3	190	199	196	223	1,117	708	925	3,306	2,167	1,476	805	283
4	209	200	203	243	689	720	1,101	3,677	2,107	1,462	733	285
5	196	188	218	243	451	751	1,474	3,849	2,004	1,444	671	301
6	191	196	224	245	371	767	1,437	3,992	1,957	1,488	635	311
7	192	201	211	231	352	778	1,433	3,763	1,996	1,395	611	304
8	190	206	210	218	356	787	1,496	3,395	2,013	1,372	578	295
9	176	211	214	210	358	822	1,645	3,545	1,993	1,414	582	258
10	175	210	213	239	316	874	1,836	3,391	2,044	1,260	625	254
11	173	210	217	276	290	940	2,031	3,612	2,295	1,136	818	249
12	176	206	222	280	693	987	2,251	3,656	2,617	1,090	790	248
13	186	205	221	293	1,240	1,006	2,457	3,790	2,871	1,001	690	237
14	185	198	226	261	1,814	1,038	2,625	3,946	2,788	944	615	229
15	188	185	197	262	1,512	1,043	2,802	4,015	2,552	948	554	243
16	203	180	198	259	1,419	1,066	3,089	3,925	2,296	943	506	240
17	227	190	205	256	1,560	1,100	3,383	3,884	2,361	935	495	230
18	220	202	194	247	1,120	1,095	3,607	3,984	2,618	898	477	219
19	217	207	187	229	933	1,121	3,632	4,041	2,691	870	461	202
20	213	199	194	227	793	1,130	3,598	3,979	2,435	919	441	215
21	218	193	198	232	729	1,114	3,609	3,585	2,376	937	429	218
22	215	203	210	232	748	1,152	3,553	3,328	2,397	1,083	408	214
23	207	209	204	224	926	1,191	3,601	3,334	2,373	1,095	380	211
24	197	210	192	224	1,157	1,083	3,694	3,508	2,508	983	360	206
25	193	210	197	225	983	1,039	3,684	3,693	2,490	904	319	200
26	190	208	203	224	834	947	3,656	3,757	2,252	827	326	201
27	190	207	203	221	757	894	3,778	3,507	2,182	778	326	196
28	191	206	211	221	723	859	3,796	3,161	2,085	780	306	198
29	192	204	224	233	704	827	3,691	3,106	2,079	899	296	197
30	189	201	262	249	-	809	3,407	2,966	1,774	913	298	204
31	187	-	253	246	-	905	-	2,726	-	926	306	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October		232	164	195	11,960
November		222	170	200	11,900
December		293	182	209	12,880
Calendar year 1935		3,378	149	655	474,100
January		303	207	240	14,740
February		2,146	234	814	46,810
March		1,224	623	933	57,370
April		3,932	913	2,643	157,300
May		4,173	2,606	3,568	219,400
June		3,005	1,631	2,303	137,000
July		1,663	749	1,104	67,900
August		957	277	536	32,990
September		317	194	242	14,370
Water year 1935-36		4,173	164	1,081	784,600

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

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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, 3,590 feet (revised).

Records available.- March 1921 to September 1936.

Average discharge.- 15 years, 333 second-feet.

Extremes.- Maximum mean daily discharge during year, 620 second-feet May 26; no flow May 31.
1921-36: Maximum mean daily discharge, 648 second-feet July 16, 1921; no flow at times.

Remarks.- Records excellent except those for Apr. 14-21, which were interpolated. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	189	174	180	195	330	463	610	608	533	592	583	282
2	218	206	179	202	596	498	608	606	609	589	582	278
3	225	185	183	214	355	531	607	604	611	587	581	278
4	205	179	199	212	298	557	606	604	611	584	580	284
5	196	188	197	212	265	579	607	602	612	312	579	284
6	190	194	189	199	277	588	607	602	611	614	580	276
7	186	198	190	187	284	594	607	602	611	615	567	264
8	183	198	195	187	277	596	608	599	611	615	571	255
9	181	194	194	239	262	595	606	600	610	615	586	246
10	177	190	194	240	254	595	604	599	610	615	588	244
11	176	184	196	266	447	595	604	599	609	615	581	240
12	183	184	199	242	609	594	604	600	610	614	578	236
13	182	180	190	225	609	601	604	602	613	613	554	239
14	179	171	169	225	606	606	604	604	613	611	514	239
15	214	169	183	224	606	606	603	606	613	610	486	236
16	215	180	182	227	606	606	603	606	613	609	468	229
17	214	194	173	206	538	605	603	606	613	606	453	224
18	210	194	174	196	485	605	602	607	617	604	430	226
19	203	180	175	206	426	609	602	610	617	603	411	223
20	202	188	186	205	395	608	602	613	616	600	392	218
21	200	192	189	199	451	609	601	613	617	600	377	215
22	194	196	186	198	524	608	601	613	615	600	358	214
23	188	194	182	198	609	609	601	616	615	594	341	212
24	185	190	181	200	507	610	604	614	613	590	327	210
25	186	188	179	201	465	610	605	615	611	588	315	208
26	186	186	180	200	450	611	606	620	609	586	306	208
27	185	184	182	201	438	611	606	613	605	585	300	208
28	183	182	183	211	436	611	606	610	602	584	296	208
29	182	180	210	229	440	611	607	609	599	583	298	208
30	178	180	196	215	-	609	608	78	596	582	308	208
31	163	-	205	208	-	610	-	0	-	582	294	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,958	225	163	192	11,820
November	5,602	206	169	187	11,110
December	5,800	210	169	187	11,500
Calendar year 1935	128,560	612	163	352	255,000
January	6,569	266	187	212	13,030
February	12,845	609	254	443	25,480
March	18,340	611	463	592	36,380
April	18,146	610	601	605	35,990
May	17,680	620	0	570	35,070
June	18,245	617	533	608	36,190
July	18,297	615	312	590	36,290
August	14,184	588	294	458	28,130
September	7,100	284	208	237	14,080
Water year 1935-36	148,766	620	0	406	295,100

Borel Canal at Tilley Creek, Calif.

Location.- Water-stage recorder, lat. 35°42'0", long. 118°27'0", 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 1936.

Average discharge.- 11 years (1925-36), 320 second-feet.

Extremes.- Maximum mean daily discharge during year, 605 second-feet May 22; no flow May 9, 10.
1925-36: Maximum mean daily discharge, 605 second-feet June 3-5, 1927, and May 22, 1936; 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. Discharge June 22 to Aug. 31 computed on basis of kilowatt-hour output of Borel hydroelectric plant. Gage-height record and results of several discharge measurements furnished by Southern California Edison Co., Ltd.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	172	164	182	218	289	534	542	536	591	580	455	271
2	194	197	180	217	545	555	541	539	590	580	450	265
3	217	196	184	227	494	553	541	540	589	580	460	260
4	200	171	198	232	348	554	540	540	588	575	470	271
5	188	184	206	233	321	555	541	539	587	570	490	274
6	181	192	193	218	313	555	541	539	586	570	490	260
7	175	197	194	204	320	555	540	536	585	570	490	238
8	168	201	200	195	305	555	540	305	582	565	490	233
9	165	201	202	231	293	555	541	0	581	560	490	236
10	164	196	197	282	276	550	541	0	580	550	490	232
11	160	188	204	282	385	545	541	213	579	550	495	232
12	168	188	208	295	565	544	540	597	578	545	495	227
13	171	184	207	254	559	542	540	599	579	540	490	219
14	166	169	174	256	555	541	538	599	579	535	485	225
15	197	163	188	249	557	541	538	600	579	535	450	230
16	204	174	190	249	559	541	538	601	579	525	455	225
17	209	185	180	236	559	542	539	600	579	525	440	219
18	208	185	183	211	559	542	538	600	579	520	430	216
19	204	178	183	219	551	543	534	600	579	515	400	214
20	201	184	193	225	511	543	538	600	579	515	380	210
21	201	195	201	215	518	543	538	602	384	490	345	205
22	191	196	197	213	558	543	538	605	580	490	345	203
23	183	200	180	213	556	541	539	604	580	490	340	199
24	180	192	192	213	556	540	539	600	580	485	320	192
25	175	192	184	214	555	540	534	600	580	480	300	195
26	179	189	183	213	549	540	539	598	580	475	295	192
27	181	183	191	214	536	540	538	598	580	470	295	191
28	177	184	193	222	522	539	535	597	580	470	290	185
29	176	182	225	244	522	539	538	596	580	465	290	196
30	176	180	234	240	-	542	538	593	580	460	295	196
31	162	-	221	222	-	542	-	592	-	460	290	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,693	217	160	184	11,290
November	5,590	201	163	186	11,090
December	6,047	234	174	195	11,990
Calendar year 1935	126,044	571	158	345	250,000
January	7,156	295	195	231	14,190
February	13,736	565	276	474	27,240
March	16,894	555	534	545	33,510
April	16,168	542	534	539	32,070
May	16,268	605	0	525	32,270
June	17,252	591	384	575	34,220
July	16,240	580	460	524	32,210
August	12,700	495	290	410	25,190
September	6,711	274	185	224	13,310
Water year 1935-36	140,455	605	0	384	278,600

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 1936.

Average discharge.- 15 years (1911-13, 1919-25, 1929-36), 75.7 second-feet.

Extremes.- Maximum discharge during year, 1,170 second-feet Apr. 24 (gage height, 4.88 feet); minimum, 7 second-feet Oct. 11, 12.
1911-14, 1919-36: Maximum discharge, 2,360 second-feet Jan. 25, 1914 (gage height, 7.1 feet), from rating curve extended above 1,000 second-feet; no flow for several days in July and August 1929 and in September 1934.

Remarks.- Records good. Lowell and Thomas irrigation ditches divert about 2,000 acre-feet yearly above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	15	22	20	33	64	98	755	249	54	50	16
2	15	19	22	19	89	68	152	780	235	50	41	15
3	16	20	24	25	47	69	174	862	224	49	34	14
4	16	17	31	24	37	74	218	862	221	46	29	15
5	14	16	27	25	31	72	176	862	214	43	28	16
6	12	16	21	23	30	71	205	835	203	42	45	17
7	12	18	19	20	30	74	209	680	193	43	44	16
8	11	22	21	20	30	79	242	637	181	43	38	16
9	11	25	22	25	30	85	287	618	170	43	65	14
10	10	25	25	27	30	92	324	600	161	43	98	14
11	7.5	24	24	27	67	95	370	586	154	50	72	14
12	9	22	24	24	173	95	422	564	148	48	50	13
13	13	22	22	23	168	98	483	551	140	41	40	13
14	12	21	17	25	161	105	558	529	134	38	36	14
15	14	18	17	25	120	130	670	517	128	35	31	14
16	15	18	16	24	138	146	781	492	120	32	27	14
17	16	22	13	22	92	161	875	472	114	30	26	14
18	18	29	14	20	75	163	933	456	108	28	24	14
19	17	25	15	20	67	156	972	441	101	30	23	14
20	16	21	20	25	60	167	972	408	92	33	22	13
21	17	21	18	25	61	181	972	390	88	60	20	13
22	16	22	16	24	81	192	1,000	372	83	41	20	13
23	16	26	16	25	121	170	1,060	350	80	43	19	13
24	15	27	16	25	87	160	1,030	336	78	35	18	13
25	15	27	16	25	75	130	972	326	77	31	18	13
26	15	26	16	24	68	124	1,000	316	73	28	16	13
27	16	24	20	25	63	130	1,000	313	68	28	16	13
28	17	22	20	25	62	128	972	296	64	34	16	14
29	17	22	27	26	62	126	890	276	61	38	16	14
30	17	22	21	24	-	138	755	264	57	43	16	14
31	16	-	22	24	-	154	-	258	-	45	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	441.5	18	7.5	14.2	876
November	654	29	15	21.8	1,300
December	624	31	13	20.1	1,240
Calendar year 1935	21,693.6	457	2.0	59.4	43,040
January	735	27	19	23.7	1,460
February	2,188	173	30	75.4	4,340
March	3,697	192	64	119	7,330
April	18,772	1,060	98	626	37,230
May	16,004	862	258	516	31,740
June	4,019	249	57	134	7,970
July	1,247	60	28	40.2	2,470
August	1,014	98	16	32.7	2,010
September	423	17	13	14.1	839
Water year 1935-36	49,818.5	1,060	7.5	136	98,800

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 1936.

Extremes.- Maximum discharge during year, 916 second-feet Apr. 25 (gage height, 4.40 feet); minimum, 4.2 second-feet Sept. 12.
1929-36: Maximum discharge, that of Apr. 25, 1936; minimum, 0.3 second-foot July 26, 1931.

Remarks.- Records good except those for Apr. 9-18, which are fair. Twenty-seven irrigation ditches divert from river above station; considerable return flow from many of them.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.5	11	10	11	12	65	80	611	213	16	11	6
2	7.5	11	9.5	11	16	65	58	616	208	15	10	11
3	7.5	11	9.5	11	22	63	59	666	197	13	11	9
4	7.5	11	11	11	22	63	105	730	204	15	9	7
5	7.5	11	11	11	17	63	170	748	189	15	9	5.5
6	7.5	11	11	11	14	70	160	748	171	13	11	5
7	7.5	11	11	11	14	71	156	694	164	11	7	5
8	7.5	11	11	11	13	76	158	575	162	10	6	5
9	7.5	11	11	11	12	81	180	540	159	12	11	5
10	7.5	11	11	11	12	86	220	515	146	11	8	5
11	7.5	11	10	11	13	81	260	520	136	10	12	5
12	7.5	11	10	11	14	74	300	481	115	10	11	5
13	9	11	9	10	78	71	340	462	88	13	11	5.5
14	8	11	9	10	111	68	390	419	81	17	10	6
15	8	11	10	11	106	78	440	419	77	18	6	6.5
16	7.5	12	8.5	11	112	83	500	419	62	17	6.5	6.5
17	7	12	8.5	11	124	82	600	415	54	16	6.5	6
18	7	12	8.5	10	99	73	750	387	42	13	7	6
19	5.5	11	8.5	10	99	68	815	375	33	11	7	6.5
20	5	11	8.5	10	100	58	827	343	28	13	9	6.5
21	5	11	8.5	10	104	44	821	316	23	13	8	7
22	5.5	10	10	10	106	54	815	282	20	11	7.5	7
23	5.5	10	9.5	10	101	61	840	264	16	11	7	7
24	7.5	10	9.5	10	92	53	871	264	15	7	7	5
25	7	10	11	10	90	56	840	248	17	7	7	5
26	6	10	11	10	82	57	802	235	16	8.5	7	6
27	6.5	10	11	10	76	47	815	215	14	9.5	7	7
28	9	10	11	11	71	46	802	211	14	8.5	6	11
29	9.5	10	12	11	66	40	815	211	16	10	5	10
30	10	10	12	11	-	40	742	208	16	13	4.8	10
31	10	-	11	11	-	49	-	220	-	14	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	230.5	10	5	7.44	457
November	324	12	10	10.8	643
December	313.0	12	8.5	10.1	621
Calendar year 1935	7,701.4	206	4.9	21.1	15,270
January	329	11	10	10.6	653
February	1,798	124	12	62.0	3,570
March	1,986	86	40	64.1	3,940
April	14,731	871	58	491	29,220
May	13,357	748	208	431	26,490
June	2,698	213	14	89.9	5,350
July	381.5	18	8.5	12.3	757
August	251.3	12	4.8	8.11	498
September	198.0	11	5	6.60	393
Water year 1935-36	36,597.3	871	4.8	100	72,590

Tule River near Porterville, Calif.

Location.- Water-stage recorder, lat. 36°5'0", long. 118°55'0", 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 1936.

Average discharge.- 35 years, 132 second-feet.

Extremes.- Maximum stage during year, 10.55 feet Feb. 13 (discharge not determined); no flow Oct. 1.
1901-36: Maximum discharge, about 6,780 second-feet Jan. 17, 1916 (gage height, 11.0 feet, former staff-gage datum); no flow parts of 1934 and 1935.

Remarks.- Records good. Discharge interpolated Aug. 2-14. Several small diversions above station. Power is developed on Middle Fork and tributaries.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	7	13	39	61	276	396	379	234	66	10	2.0
2	.1	10	13	32	1,080	290	314	389	212	61	9	1.5
3	.1	18	13	30	294	292	333	438	222	54	8	1.2
4	.1	12	15	29	180	301	1,080	458	210	50	8	1.8
5	.1	9	18	35	143	301	668	490	199	46	7	2.1
6	.1	8.5	17	32	114	294	502	448	197	42	7	2.1
7	.2	8	16	30	103	294	483	406	190	38	6	1.8
8	.4	8	16	29	94	301	494	396	190	35	6	1.6
9	.5	8	15	72	87	311	530	389	184	35	6	1.4
10	.6	8	15	116	82	330	602	406	184	40	6	1.3
11	.6	8	15	78	580	320	654	427	184	51	5.5	1.0
12	.7	7.5	16	101	912	304	695	436	186	42	5	.8
13	.8	8	19	63	3,340	294	695	455	182	36	4	.8
14	1.0	8	18	53	2,940	285	695	441	172	30	3	1.2
15	21	7.5	17	48	1,020	279	695	438	165	27	2.8	1.2
16	19	7	17	55	868	283	695	410	157	25	2.8	1.4
17	11	8	16	55	525	272	668	400	156	23	2.8	1.6
18	7.5	15	16	49	458	272	650	393	154	22	2.8	1.6
19	5.5	16	15	47	368	270	582	389	147	23	2.8	1.6
20	5	14	15	45	301	259	546	349	134	24	2.8	1.6
21	5	14	16	43	283	276	526	320	127	24	2.8	1.6
22	4.9	15	15	42	457	272	498	305	121	20	3.2	1.4
23	4.3	15	15	41	1,210	246	490	299	113	17	3.3	1.2
24	4.0	15	15	41	735	236	498	305	116	16	3.2	1.1
25	4.0	15	15	40	458	268	472	305	105	15	2.8	1.1
26	5.5	15	15	39	368	238	472	296	96	14	2.2	1.1
27	5.5	15	15	39	328	228	494	296	85	14	2.1	1.1
28	5.5	14	16	40	299	228	466	287	79	14	2.0	1.1
29	5.5	13	132	44	279	218	386	290	75	13	2.0	1.2
30	6	13	95	45	-	320	413	257	68	12	2.1	1.4
31	7.5	-	51	41	-	825	-	252	-	11	2.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	132.0	21	0	4.26	262
November	339.5	18	7	11.3	673
December	715	132	13	23.1	1,420
Calendar year 1935	34,518.4	1,580	0	94.6	68,480
January	1,493	116	29	48.2	2,960
February	17,967	3,340	61	620	35,640
March	9,183	825	218	296	18,210
April	16,692	1,080	314	556	33,110
May	11,551	490	252	373	22,910
June	4,644	234	68	155	9,210
July	940	66	11	30.3	1,860
August	155.1	10	2.0	4.36	268
September	41.9	2.1	.8	1.40	83
Water year 1935-36	63,833.5	3,340	0	174	126,600

South Fork of Tule River near Success, Calif.

Location.- Water-stage recorder, lat. 36°3'0", long. 118°51'0", 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 1936.

Extremes.- Maximum discharge during year, 1,300 second-feet Feb. 13 (gage height, 4.80 feet); no flow for several months.
1930-36: Maximum discharge, 1,520 second-feet Dec. 28, 1931 (gage height, 5.20 feet); no flow for several months each year.

Remarks.- Records good. Discharge Nov. 13-18 computed on basis of flow of Tule River near Porterville; interpolated Mar. 17-21. Several irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	2.9	12	11	86	102	104	46	14	2.1	
2	0	.6	2.9	9.5	210	83	88	102	44	13	2.0	
3	0	3.8	3.1	8	70	83	102	104	46	13	1.7	
4	0	2.6	3.4	8.5	38	78	338	106	44	12	.8	
5	0	2.3	5	12	28	75	248	112	41	11	.6	
6	0	2.0	5.5	11	24	72	200	106	37	10	.3	
7	0	2.0	5	9	22	74	195	97	36	9.5	0	
8	0	1.8	4.8	8	20	74	190	93	35	9.5	0	
9	0	1.8	4.6	18	18	75	195	88	34	10	0	
10	0	1.7	4.6	47	16	80	202	86	33	11	.1	
11	0	1.7	4.6	29	73	78	207	85	31	14	1.1	
12	0	1.6	5	34	170	75	214	85	28	11	.8	
13	0	1.6	7	19	760	74	209	83	27	9.5	.2	
14	0	1.6	6	15	732	72	204	80	26	8.5	0	
15	4.4	1.6	5.5	14	293	69	202	80	26	7.5	0	
16	6.5	1.5	5.5	16	266	69	192	77	26	7	0	
17	2.3	1.6	4.8	18	177	68	183	72	25	6.5	0	
18	.6	3.5	4.3	14	144	67	179	69	24	6	0	
19	0	3.8	4.3	12	120	66	164	68	22	7	0	
20	0	3.8	4.3	11	101	65	155	66	21	6.5	0	
21	0	3.6	4.6	10	110	65	148	62	21	6	0	
22	0	3.6	4.8	9.5	175	66	144	57	21	5	0	
23	0	3.6	4.8	9	385	61	138	53	20	3.8	0	
24	0	3.4	4.5	9	263	59	138	51	20	3.2	0	
25	0	3.1	4.5	8.5	177	66	132	51	19	2.7	0	
26	0	3.1	4.5	8.5	136	64	128	50	17	2.7	0	
27	0	3.1	4.5	8	118	58	130	48	16	3.0	0	
28	0	3.1	5	8	101	59	126	47	15	3.2	0	
29	0	3.1	23	9	92	58	128	51	15	2.8	0	
30	0	3.1	33	8	-	85	112	48	14	2.5	0	
31	0	-	15	6.5	-	181	-	48	-	2.2	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13.8	6.5	0	0.45	27
November	73.7	3.8	0	2.46	146
December	201.3	33	2.9	6.49	399
Calendar year 1935	9,141.5	560	0	25.0	18,140
January	419.0	47	6.5	13.5	831
February	4,852	760	11	167	9,620
March	2,305	181	58	74.4	4,570
April	5,093	338	88	170	10,100
May	2,329	112	47	75.1	4,620
June	830	46	14	27.7	1,650
July	233.6	14	2.2	7.54	463
August	9.7	2.1	0	.31	19
September	0	0	0	0	0
Water year 1935-36	16,360.1	760	0	44.7	32,440

Kaweah River near Three Rivers, Calif.

Location.- Water-stage recorder, lat. 36°24', long. 118°57', in SW¼ sec. 33, T. 17 S., R. 28 E., 2½ miles below South Fork and 3 miles southwest of Three Rivers. Altitude, about 620 feet. Previous to February 1936 station was 2 miles upstream.

Drainage area.- 520 square miles; 514 square miles at former location.

Records available.- April 1903 to September 1936.

Average discharge.- 33 years, 531 second-feet.

Extremes.- Maximum discharge during year, 8,000 second-feet Feb. 13 (gage height, 7.86 feet); minimum, 25 second-feet Oct. 7.
1903-36: Maximum discharge, about 14,700 second-feet Jan. 17, 1916 (gage height, 13.5 feet, former site and datum); minimum, 8.5 second-feet Sept. 19, 1934.

Remarks.- Records excellent except those for Feb. 1 to Mar. 6, which were computed on basis of infrequent staff-gage readings at new site and are good. Irrigation diversions above station. Power is developed on Middle and East Forks.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	46	55	90	360	622	852	1,640	1,210	721	204	54
2	43	64	53	85	2,690	622	746	1,980	1,150	696	180	54
3	43	66	53	95	589	646	845	2,240	1,210	681	162	58
4	40	57	62	98	471	646	2,330	2,440	1,120	646	147	63
5	40	58	73	109	300	622	1,370	2,550	1,210	603	140	64
6	38	60	64	95	242	646	1,150	2,290	1,270	570	133	63
7	33	60	62	82	212	676	1,150	1,980	1,300	557	127	58
8	36	60	62	82	198	696	1,210	2,060	1,400	561	118	54
9	34	60	62	270	193	746	1,330	2,240	1,470	484	125	51
10	34	58	62	252	193	798	1,500	2,390	1,640	454	162	48
11	36	53	62	240	1,340	825	1,640	2,550	1,780	566	150	48
12	42	49	75	252	2,150	852	1,750	2,660	1,820	462	129	48
13	43	51	82	168	5,160	825	1,780	2,840	1,680	430	114	50
14	44	53	70	146	3,680	825	1,980	2,720	1,470	414	103	51
15	103	55	68	142	1,610	852	2,100	2,660	1,270	388	95	51
16	85	53	64	162	1,540	881	2,240	2,550	1,440	366	91	48
17	70	55	62	146	1,030	825	2,290	2,600	1,580	338	89	47
18	66	66	60	126	746	852	2,200	2,600	1,540	331	86	46
19	62	64	57	126	646	881	1,900	2,500	1,400	328	82	46
20	60	62	60	120	598	852	1,940	2,150	1,330	321	78	47
21	58	64	58	117	515	940	1,980	2,060	1,330	362	76	46
22	57	66	58	109	1,200	910	2,020	2,100	1,300	317	75	46
23	53	68	58	117	2,340	746	1,980	2,200	1,360	290	71	46
24	49	64	57	117	1,330	696	2,060	2,290	1,240	267	66	45
25	49	60	57	123	940	696	2,060	2,290	1,150	245	63	43
26	48	58	57	120	772	622	2,240	2,060	1,090	221	60	43
27	46	57	58	120	671	608	2,290	1,860	1,030	270	58	43
28	44	55	64	126	622	608	2,100	1,860	940	304	58	43
29	44	53	233	132	622	608	1,940	1,750	798	267	60	42
30	44	53	172	142	-	795	1,640	1,470	746	248	55	42
31	43	-	106	148	-	1,740	-	1,400	-	314	58	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,525	103	33	49.2	3,020
November	1,750	68	46	58.3	3,470
December	2,246	233	53	72.5	4,450
Calendar year 1935	178,516	4,410	33	489	354,000
January	4,257	270	82	137	8,440
February	32,960	5,160	193	1,137	65,380
March	24,159	1,740	608	779	47,920
April	52,613	2,330	746	1,754	104,400
May	68,980	2,840	1,400	2,225	136,800
June	39,274	1,820	746	1,309	77,900
July	13,022	721	221	420	25,830
August	3,215	204	55	104	6,380
September	1,488	64	42	49.6	2,950
Water year 1935-36	245,489	5,160	33	671	486,900

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 1936. October 1910 to October 1933, staff gage 1 mile below.

Average discharge.- 25 years (1911-36), 85.7 second-feet.

Extremes.- Maximum discharge during year, 2,430 second-feet Feb. 2 (gage height, 6.47 feet); minimum, 4.0 second-feet Sept. 25 (gage height, 1.21 feet).

1910-36: Maximum discharge, about 7,400 second-feet Jan. 25, 1914 (gage height, 10.2 feet, former site and datum), from rating curve extended above 3,000 second-feet; no flow for many days July to October 1924.

Remarks.- Records good. Several small irrigation diversions above station.

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

1.2	3.9	3.2	206
1.4	7.0	3.6	314
1.6	11.5	4.0	460
1.8	20	4.5	690
2.0	33	5.0	980
2.4	74	5.5	1,360
2.8	130		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	8	10	18	127	208	276	350	160	48	16	6.5
2	5.5	9.5	10	16	997	211	230	390	144	46	15	6.5
3	5.5	14	10	18	160	216	272	424	159	44	15	7.5
4	5	11	12	20	101	220	762	444	150	42	14	8.5
5	4.7	11	13	20	77	220	428	456	143	40	13	9
6	4.7	11	13	18	62	216	346	416	135	39	12	8.5
7	4.6	11	12	16	56	220	350	371	133	38	11	8
8	4.6	11	12	15	51	230	371	364	127	37	11	7
9	4.6	10	12	95	48	243	409	368	122	38	11	6.5
10	4.5	10	12	56	46	256	440	371	120	41	12	6
11	4.7	10	12	67	489	256	480	375	115	49	12	5.5
12	6	10	16	62	664	256	504	368	111	41	12	6
13	6.5	9	18	37	951	251	522	368	107	36	11	5.5
14	7.5	9	14	30	789	253	563	350	104	33	10	6
15	18	9	13	30	522	253	590	343	100	30	10	6.5
16	14	9.5	12	42	460	259	590	320	97	29	9	6.5
17	11	10	12	34	284	235	581	302	90	27	9	6
18	9.5	12	11	29	223	256	550	290	86	26	8.5	6
19	8.5	11	11	26	184	259	500	270	80	26	8.5	5.5
20	8	11	11	24	159	259	496	248	75	25	8	5
21	8	11	12	24	153	290	488	233	72	25	8.5	5
22	8	11	12	24	468	267	509	218	68	24	8.5	5.5
23	7.5	12	12	23	822	216	500	211	72	22	8.5	5
24	7.5	12	12	23	472	211	488	202	68	21	8.5	5
25	7.5	11	11	24	327	206	468	193	79	20	8	4.9
26	7.5	11	12	23	267	180	484	184	62	18	7.5	4.7
27	7	11	12	23	246	178	488	178	56	18	7	4.7
28	7	11	13	24	230	180	444	176	53	20	7	4.9
29	7	10	74	33	208	180	436	186	51	18	7	4.9
30	7.5	10	40	30	-	264	364	166	49	18	7	5
31	8	-	23	27	-	648	-	176	-	16	6.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	224.9	18	4.5	7.25	446
November	317.0	14	8	10.6	629
December	479	74	10	15.5	950
Calendar year 1935	36,503.5	1,730	4.5	100	72,420
January	951	95	15	30.7	1,890
February	9,643	997	46	333	19,130
March	7,597	648	178	245	15,070
April	13,929	762	230	464	27,630
May	9,311	456	166	300	18,470
June	2,988	160	49	99.6	5,930
July	955	49	16	30.8	1,890
August	312.0	16	6.5	10.1	619
September	182.1	9	4.7	6.07	361
Water year 1935-36	46,889.0	997	4.5	128	93,020

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., 1½ miles below junction of South and Middle Forks of Kings River and 3¾ miles north of Hume. Altitude, about 2,100 feet.

Drainage area.- 838 square miles.

Records available.- August 1921 to September 1936.

Average discharge.- 12 years (1921-22, 1923-24, 1926-36), 1,052 second-feet.

Extremes.- Maximum discharge during year, 7,870 second-feet May 13 (gage height, 7.36 feet); minimum, 130 second-feet Oct. 31 (gage height, 1.20 feet).
1921-36: 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. No diversions. Small amount of water released from Hume Lake occasionally.

Rating table, water year 1935-35 (gage height, in feet, and discharge, in second-feet)

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	158	138	148	200	508	752	870	3,250	2,740	2,810	1,410	346
2	226	185	145	203	1,030	780	870	3,980	2,600	2,740	1,140	330
3	236	161	148	250	505	810	900	4,900	2,670	2,740	1,030	318
4	209	158	150	243	510	840	998	5,410	2,460	2,810	965	318
5	197	176	158	240	560	840	965	6,060	2,670	2,670	900	318
6	185	182	164	222	535	840	965	5,520	3,020	2,400	870	302
7	176	194	164	203	490	840	1,030	4,250	3,020	2,460	810	278
8	167	240	167	206	410	870	1,170	4,160	3,180	2,460	965	258
9	164	243	164	298	388	932	1,360	4,800	3,730	2,030	1,060	240
10	158	236	164	294	370	998	1,650	5,520	4,610	1,700	1,060	229
11	155	229	170	354	780	1,060	1,910	5,840	5,410	1,750	932	222
12	164	218	179	330	932	1,100	2,270	6,060	6,280	1,550	810	218
13	167	209	173	314	998	1,060	2,600	6,950	6,060	1,650	752	215
14	164	197	152	306	998	1,060	2,950	6,950	5,000	1,700	698	212
15	246	200	164	306	965	1,100	3,410	6,500	4,160	1,700	642	209
16	226	191	155	326	932	1,140	3,900	6,280	4,700	1,700	604	200
17	222	164	148	282	780	1,100	4,160	6,720	5,520	1,600	576	194
18	218	173	148	266	725	1,140	4,070	6,720	5,620	1,600	550	185
19	203	167	145	274	648	1,170	3,650	6,500	5,200	1,860	520	176
20	203	170	164	262	588	1,200	3,650	5,300	5,000	1,910	480	170
21	200	176	161	254	620	1,280	3,820	5,000	5,100	2,670	451	164
22	191	176	155	250	979	1,240	4,070	5,520	4,900	2,400	428	161
23	179	176	150	246	1,060	1,100	3,980	6,060	5,520	1,860	397	158
24	167	167	148	246	870	1,030	3,980	6,720	5,200	1,650	374	152
25	167	164	145	250	870	965	4,340	6,720	4,520	1,460	354	150
26	164	161	145	250	780	900	4,800	6,060	4,250	1,320	342	148
27	158	152	155	250	752	900	4,900	5,100	4,160	1,500	330	148
28	155	152	164	258	725	932	4,340	5,300	4,070	1,500	318	148
29	155	148	215	278	725	932	3,900	4,800	3,100	1,410	346	145
30	150	145	222	254	-	932	3,250	3,730	2,880	1,320	374	142
31	132	-	206	250	-	965	-	3,250	-	1,460	370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,662	246	132	183	11,230
November	5,448	243	138	182	10,810
December	5,036	222	145	162	9,990
Calendar year 1935	442,504	7,870	132	1,212	877,700
January	8,165	354	200	263	16,200
February	21,033	1,060	370	725	41,720
March	30,808	1,280	752	994	61,110
April	84,728	4,900	870	2,824	168,100
May	169,930	6,950	3,250	5,482	337,100
June	127,350	6,280	2,460	4,245	252,600
July	60,390	2,810	1,320	1,948	119,800
August	20,858	1,410	318	673	41,370
September	6,454	346	142	215	12,800
Water year 1935-36	545,862	6,950	132	1,491	1,083,000

Kings River above North Fork, Calif.

Location.- Water-stage recorder, lat. 36°52', long. 119°7', in N½ sec. 27, T. 12 S., R. 26 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.

Records available.- October 1931 to September 1936. March 1927 to December 1928 at site half a mile downstream.

Extremes.- Maximum discharge during year, 7,680 second-feet May 14 (gage height, 6.38 feet); minimum, 131 second-feet Oct. 31 (gage height, 0.90 foot).
1927-28, 1931-36: Maximum discharge, 11,200 second-feet May 17, 1927 (gage height, 10.30 feet, former site and datum); minimum, 79 second-feet 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 and San Joaquin Light & Power Corporation.

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

0.8	113	2.8	930
1.0	152	3.0	1,070
1.2	198	3.4	1,410
1.4	254	3.8	1,830
1.6	318	4.2	2,320
1.8	391	4.6	2,900
2.0	475	5.0	3,580
2.2	572	5.4	4,420
2.4	680	5.8	5,580
2.6	800	6.2	6,960

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	159	142	159	212	676	965	1,070	3,490	3,060	3,060	1,510	328
2	214	191	156	212	2,410	986	1,060	4,200	2,900	2,980	1,190	311
3	240	174	156	263	716	1,010	1,150	5,090	2,980	2,900	1,050	305
4	212	165	161	251	588	1,030	1,660	5,410	2,750	2,980	965	308
5	196	179	170	257	620	1,030	1,360	6,260	2,900	2,820	895	308
6	184	186	170	240	577	1,010	1,280	5,750	3,310	2,680	848	292
7	174	196	174	220	542	1,030	1,360	4,420	3,220	2,680	806	266
8	167	248	174	220	462	1,060	1,560	4,310	3,400	2,750	970	254
9	161	245	170	426	428	1,110	1,780	4,940	3,880	2,260	1,070	237
10	156	240	165	346	412	1,190	2,070	5,580	4,660	1,830	1,150	228
11	156	234	174	445	1,210	1,280	2,460	5,920	5,410	1,890	986	220
12	170	228	186	395	1,780	1,280	2,750	5,920	6,260	1,720	848	214
13	167	220	181	342	2,070	1,280	3,060	6,780	6,090	1,780	758	206
14	167	206	159	325	1,950	1,230	3,400	6,780	5,090	1,830	686	206
15	251	203	170	328	1,660	1,280	3,880	6,600	4,310	1,780	630	203
16	231	198	165	368	1,610	1,360	4,200	6,260	4,940	1,780	598	196
17	222	172	154	318	1,190	1,320	4,540	6,600	5,580	1,720	567	188
18	220	181	152	288	1,000	1,360	4,540	6,600	5,580	1,720	532	186
19	212	176	152	292	854	1,360	3,980	6,600	5,240	1,950	503	179
20	209	179	170	279	764	1,360	4,090	5,410	5,090	2,010	471	172
21	203	184	167	266	758	1,510	4,200	5,090	4,240	2,820	445	165
22	193	184	161	263	2,050	1,510	4,420	5,580	5,090	2,680	428	161
23	186	186	156	260	2,750	1,280	4,310	6,090	5,580	2,070	395	159
24	174	179	152	260	1,720	1,190	4,310	6,600	5,410	1,830	372	152
25	170	176	150	260	1,360	1,110	4,540	6,600	4,800	1,560	350	148
26	170	172	150	257	1,190	1,030	5,090	6,090	4,540	1,360	336	146
27	165	165	161	257	1,070	1,020	5,090	5,090	4,310	1,560	322	146
28	161	165	172	266	1,010	1,060	4,660	5,410	4,310	1,610	308	144
29	159	161	275	285	965	1,060	4,200	5,090	3,400	1,510	328	142
30	154	159	242	263	-	1,110	3,580	4,090	3,140	1,360	361	139
31	139	-	222	257	-	1,460	-	3,580	-	1,510	353	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,742	251	139	185	11,390
November	5,694	248	142	190	11,290
December	5,326	275	150	172	10,560
Calendar year 1935	486,017	7,860	139	1,332	964,000
January	8,921	445	212	288	17,690
February	34,392	2,750	412	1,186	68,220
March	36,871	1,510	965	1,189	73,130
April	95,650	5,090	1,060	3,188	189,700
May	172,230	6,780	3,490	5,556	341,600
June	132,470	6,260	2,750	4,416	262,800
July	64,990	3,060	1,360	2,096	128,900
August	21,031	1,510	308	678	41,710
September	6,309	328	139	210	12,510
Water year 1935-36	589,626	6,780	139	1,611	1,170,000

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.

Records available.- September 1895 to September 1936.

Average discharge.- 41 years, 2,254 second-feet.

Extremes.- Maximum discharge during year, 21,100 second-feet Feb. 22 (gage height, 12.38 feet); minimum, 176 second-feet Oct. 1.
1895-1936: 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 Tenmile and Mill Flat Creeks; one power plant on North Fork of Kings River. Gage-height record collected in cooperation with Kings River Water Association.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	176	169	202	292	813	1,830	2,160	6,040	4,700	3,680	1,780	380
2	184	191	199	270	7,510	1,830	1,960	7,160	4,370	3,600	1,580	352
3	270	261	196	318	1,780	1,880	2,110	8,980	4,530	3,460	1,320	342
4	246	207	204	366	1,120	1,880	4,520	9,820	4,290	3,530	1,180	342
5	229	212	207	352	1,010	1,880	2,980	11,000	4,530	3,320	1,080	356
6	215	232	212	325	912	1,830	2,490	10,400	5,050	3,120	1,010	342
7	202	240	215	305	850	1,830	2,550	7,650	4,870	2,980	945	317
8	191	270	215	267	760	1,880	2,860	7,650	5,240	3,180	1,010	292
9	181	299	220	575	684	1,960	3,320	8,700	5,630	2,670	1,150	280
10	176	296	207	851	650	2,160	3,820	9,820	6,690	2,260	1,290	265
11	179	280	212	762	2,600	2,320	4,370	10,400	7,900	2,260	1,150	259
12	196	270	234	972	5,340	2,380	4,870	10,400	8,700	2,110	1,010	259
13	220	264	252	540	7,050	2,320	5,430	11,300	8,700	2,060	880	245
14	212	249	218	500	6,020	2,260	6,040	11,600	7,400	2,110	790	242
15	255	237	209	495	4,370	2,380	6,690	11,300	6,040	2,060	722	247
16	325	243	218	565	4,370	2,490	7,650	10,700	6,470	2,060	683	234
17	280	232	202	555	2,790	2,380	8,160	11,000	7,400	1,960	630	221
18	273	237	196	438	2,110	2,430	8,160	11,000	7,900	1,920	600	221
19	264	234	196	422	1,780	2,610	6,920	11,000	7,160	2,060	565	219
20	252	229	196	398	1,580	2,550	7,400	8,980	6,920	2,160	528	211
21	243	237	218	390	1,430	2,790	7,400	8,430	6,920	2,610	505	206
22	232	240	209	382	7,140	2,790	7,900	8,980	6,470	3,250	478	201
23	226	240	204	378	10,700	2,260	8,160	9,540	6,920	2,490	448	193
24	212	240	199	378	5,340	2,060	7,900	10,400	6,920	2,110	416	191
25	204	234	199	382	3,390	2,010	8,430	10,700	6,470	1,830	392	184
26	202	223	196	386	2,670	1,780	9,260	9,540	5,630	1,620	373	181
27	199	215	199	374	2,260	1,740	9,260	7,900	5,240	1,700	359	181
28	191	212	220	382	2,060	1,780	8,430	8,160	5,430	1,880	345	181
29	186	207	296	426	1,920	1,780	7,650	7,650	4,290	1,780	352	181
30	186	199	477	438	-	1,960	6,040	6,040	3,820	1,620	380	179
31	184	-	302	398	-	4,140	-	5,430	-	1,700	404	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,791	325	176	219	13,470
November	7,099	299	169	237	14,080
December	6,929	477	196	224	13,740
Calendar year 1935	814,302	12,500	169	2,231	1,615,000
January	13,882	972	267	448	27,530
February	91,009	10,700	650	3,138	180,500
March	68,170	4,140	1,740	2,199	135,200
April	174,890	9,260	1,960	5,830	346,900
May	287,670	11,600	5,430	9,280	570,600
June	182,600	8,700	3,820	6,087	362,200
July	75,150	3,680	1,620	2,424	149,100
August	24,355	1,780	345	786	48,310
September	7,504	380	179	250	14,880
Water year 1935-36	946,049	11,600	169	2,585	1,877,000

North Fork of Kings River near Cliff Camp, Calif.

Location.- Water-stage recorder, lat. 37°0', 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 1936. 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, 4,000 second-feet May 13 (gage height, 11.30 feet); minimum, 5.5 second-feet Sept. 28-28 (gage height, 2.55 feet).
1921-36: 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 Nov. 3-12, Dec. 16-31, Mar. 1-3, which were computed on basis of partial record and discharge at other station on North Fork. No record during January and February. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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

2.4	3.5	4.0	115	7.5	1,245
2.6	6.4	4.4	185	8.0	1,480
2.8	10.6	4.8	264	8.5	1,770
3.0	17.0	5.2	365	9.0	2,100
3.2	28	5.6	490	9.5	2,450
3.4	45	6.0	630	10.0	2,850
3.6	67	6.5	820	11.0	3,730
3.8	91	7.0	1,020		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	9.5	13			130	187	1,480	880	343	204	11
2	15	14	14			140	180	2,100	860	316	111	11
3	13	13	15			152	176	2,530	860	294	81	11
4	11	14	15			155	171	2,770	860	276	66	12
5	9.5	14	13			157	165	2,850	1,020	240	55	13
6	9	20	14			164	178	2,240	1,090	217	48	13
7	9	21	14	*29		181	238	1,770	1,130	210	42	12
8	8.5	22	15			198	351	2,030	1,220	204	40	11
9	8.5	22	11			227	490	2,450	1,380	174	55	9.5
10	8	20	15			264	648	2,690	1,650	155	55	9
11	11	18	15			292	780	2,770	1,770	208	45	8.5
12	15	16	16			311	920	2,850	1,830	160	37	8
13	13	12	12			309	1,060	3,010	1,590	140	32	8
14	13	11	15			311	1,220	3,010	1,240	128	27	8
15	30	12	14			348	1,430	2,770	1,040	118	24	8
16	23	13	13			359	1,650	2,770	1,290	110	22	7.5
17	20	18	12			343	1,770	2,850	1,430	100	21	7.5
18	20	18	12			389	1,590	2,850	1,340	92	20	7.
19	17	18	11			407	1,480	2,450	1,290	100	18	6.5
20	16	20	13			425	1,650	2,100	1,180	110	17	6.5
21	15	20	12			449	1,710	2,170	1,130	285	16	6.5
22	14	21	12			380	1,890	2,310	1,020	312	15	6
23	13	20	12			282	1,960	2,450	1,130	162	15	6
24	12	18	12			238	1,960	2,530	1,060	117	14	6
25	12	16	12			210	2,240	2,380	900	94	13	6
26	12	15	12			193	2,310	1,960	720	79	12	5.5
27	11	16	13			193	2,170	1,770	665	120	12	5.5
28	11	15	14			200	1,890	1,770	578	155	11	5.5
29	11	14	14			214	1,530	1,480	425	117	11	6
30	10	14	16			219	1,240	1,090	374	95	15	6
31	8.5	-	16			196	-	1,040	-	203	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	410.0	30	8	13.2	813
November	494.5	22	9.5	16.5	981
December	417	16	11	13.5	827
Calendar year 1935	155,140.5	3,280	8	425	307,700
January	-	-	-	-	-
February	-	-	-	-	-
March	8,036	449	130	259	15,940
April	35,234	2,310	165	1,174	69,890
May	71,290	3,010	1,040	2,300	141,400
June	32,952	1,830	374	1,098	65,360
July	5,434	343	79	175	10,780
August	1,167	204	11	37.6	2,310
September	247.0	13	5.5	8.23	490
Water year 1935-36	-	-	-	-	-

*Discharge measurement.

North Fork of Kings River below Rancheria Creek, Calif.

Location.- Water-stage recorder, lat. 36°56', long. 119°0', 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 1936.

Extremes.- Maximum discharge during year, 4,560 second-feet May 13 (gage height, 11.25 feet); minimum, 14 second-feet Sept. 25-29.
1927-36: 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 1935-36 (gage height, in feet, and discharge, in second-feet)

1.4	14	3.0	81	6.5	802
1.6	18	3.4	113	7.0	1,060
1.8	22	3.8	152	7.5	1,360
2.0	28	4.2	202	8.0	1,700
2.2	36	4.6	264	8.5	2,080
2.4	45	5.0	338	9.0	2,500
2.6	55	5.5	442	10.0	3,400
2.8	67	6.0	590		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	19	24	30	271	202	282	1,740	1,090	431	272	21
2	22	29	23	35	453	217	282	2,320	1,060	409	142	21
3	22	23	24	60	118	240	282	2,860	1,090	378	103	22
4	19	24	24	48	100	248	282	3,220	1,060	358	85	23
5	18	27	24	40	99	256	264	3,220	1,180	318	74	24
6	17	30	23	35	96	264	291	2,680	1,270	291	66	24
7	17	32	23	29	100	291	388	2,080	1,270	273	60	22
8	16	33	23	34	94	309	536	2,320	1,360	264	55	21
9	16	33	22	77	94	358	712	2,860	1,490	232	65	19
10	16	30	22	48	87	409	900	3,130	1,740	217	73	19
11	20	27	23	83	407	431	1,060	3,220	1,920	264	65	18
12	26	26	27	52	288	454	1,240	3,220	1,960	217	55	18
13	23	23	23	53	217	454	1,360	3,490	1,740	188	50	18
14	25	21	23	62	195	454	1,520	3,490	1,390	174	44	18
15	41	21	24	66	188	494	1,770	3,130	1,210	160	40	18
16	38	23	23	75	195	509	1,960	3,220	1,390	149	37	18
17	33	29	22	61	152	494	2,080	3,310	1,520	137	35	17
18	31	29	22	50	140	556	1,960	3,220	1,460	126	34	17
19	30	29	21	48	125	573	1,800	2,950	1,360	133	32	16
20	28	31	23	48	117	590	1,960	2,320	1,300	137	30	16
21	26	32	22	48	146	628	2,040	2,410	1,210	294	29	16
22	24	32	22	50	438	540	2,240	2,500	1,180	391	27	15
23	22	32	22	54	282	409	2,240	2,770	1,210	210	26	15
24	21	30	22	56	182	388	2,240	2,860	1,180	152	24	15
25	21	27	22	56	175	318	2,500	2,770	1,030	124	23	14
26	21	25	22	56	173	291	2,680	2,320	875	105	22	14
27	21	25	23	57	182	291	2,500	1,960	780	122	22	14
28	21	25	24	67	182	300	2,160	2,000	690	202	21	14
29	20	24	44	80	182	309	1,800	1,660	524	149	21	14
30	20	24	28	71	-	338	1,490	1,270	466	119	24	15
31	19	-	30	64	-	318	-	1,240	-	185	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	712	41	16	23.0	1,410
November	815	33	19	27.2	1,620
December	744	44	21	24.0	1,480
Calendar year 1935	186,650	3,760	16	511	370,100
January	1,693	83	29	54.6	3,360
February	5,478	453	87	189	10,870
March	11,993	628	202	384	23,610
April	42,819	2,680	264	1,427	84,930
May	81,760	3,490	1,240	2,637	162,200
June	37,005	1,960	466	1,234	73,400
July	6,909	431	105	223	13,700
August	1,680	272	21	54.2	3,330
September	536	24	14	17.9	1,060
Water year 1935-36	192,054	3,490	14	525	381,000

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 1936.

Average discharge.- 15 years (1921-36), 171 second-feet.

Extremes.- Maximum discharge during year, 1,980 second-feet Feb. 22 (gage height, 9.35 feet); minimum, 6 second-feet Sept. 26.
1920-36: 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 except those for Oct. 16-17, Dec. 18-19, Mar. 26-31, and June 15-22, which were computed on basis of a partial gage-height record. No diversions. Gage-height record and results of discharge measurements furnished by San Joaquin Light & Power Corporation.

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

3.4	4.4	5.0	117	6.6	472
3.6	9.0	5.2	145	6.8	540
3.e	16	5.4	177	7.0	614
4.0	27	5.6	213	7.4	780
4.2	41	5.8	253	7.8	970
4.4	57	6.0	298	8.2	1,190
4.6	74	6.2	350	8.6	1,440
4.8	94	6.4	408	9.0	1,720

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	10	13	18	281	200	242	780	384	120	28	9
2	9	16	13	20	786	215	232	970	358	110	26	9
3	9.5	18	13	38	169	226	253	1,130	408	104	24	9.5
4	9	16	14	40	116	240	339	1,250	375	94	22	11
5	8	16	15	36	98	242	257	1,250	396	88	21	12
6	8	17	14	29	87	242	251	1,050	405	84	20	11
7	7.5	18	14	22	78	264	293	896	434	83	19	10
8	7	18	14	22	72	280	361	970	405	e0	18	9.5
9	7	19	14	95	70	300	456	1,080	414	80	18	8.5
10	7	18	13	54	68	339	540	1,130	434	84	18	8
11	9	16	13	118	369	353	634	1,160	437	100	18	8
12	25	15	18	69	511	358	715	1,160	430	82	1e	8
13	15	14	17	51	424	350	803	1,190	396	70	16	8
14	12	13	14	46	326	350	896	1,190	347	65	15	8.5
15	34	13	14	61	277	375	970	1,130	293	60	14	9
16	25	14	13	72	284	402	1,050	1,100	296	56	14	8.5
17	20	18	12	44	193	364	1,0e0	1,080	291	51	13	8
18	15	24	12	43	163	396	995	1,050	273	49	13	8
19	14	20	13	39	139	424	896	945	255	46	12	7.5
20	12	1e	14	36	125	421	970	803	232	45	12	7
21	12	17	14	38	134	472	970	780	217	47	12	7
22	11	17	13	38	762	427	1,080	780	211	43	12	7
23	11	18	13	40	654	323	1,080	803	206	40	12	7
24	11	18	13	41	328	291	1,050	803	209	38	11	6.5
25	10	16	13	43	249	262	1,100	780	264	35	11	6.5
26	10	14	14	43	213	250	1,190	694	190	33	10	6.5
27	10	14	15	44	206	250	1,130	634	164	33	10	6.5
28	10	14	16	46	195	260	995	614	150	44	10	6.5
29	10	14	51	61	193	280	849	558	138	38	10	6.5
30	10	13	30	56	-	300	694	440	127	33	10	6.5
31	10	-	23	53	-	260	-	430	-	30	9.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	375.0	34	7	12.1	744
November	486	24	10	16.2	964
December	492	51	12	15.9	976
Calendar year 1935	87,876.5	1,680	7	241	174,300
January	1,456	118	18	47.0	2,890
February	7,570	786	68	261	15,010
March	9,716	472	200	313	19,270
April	22,371	1,190	232	746	44,370
May	28,630	1,250	430	924	56,790
June	9,139	437	127	305	18,130
July	1,965	120	30	63.4	3,900
August	476.5	28	9.5	15.4	945
September	244.5	12	6.5	8.15	485
Water year 1935-36	82,921.0	1,250	6.5	227	164,500

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 7½ miles northwest of Coalinga. Altitude, about 1,000 feet.

Drainage area.- 105 square miles.

Records available.- October 1931 to September 1936.

Extremes.- Maximum discharge during year, 660 second-feet Feb. 22 (gage height, 3.50 feet); minimum, uncertain.

1931-36: Maximum discharge, about 1,050 second-feet Dec. 28, 1931 (gage height, 4.66 feet, present datum); no flow parts of each year.

Remarks.- Records poor to fair. No diversions or regulation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						*8	6	0.5				
2					*5	*6	4.6	.4				
3						*4	27	.4				
4					.2	*3.2	62	.3				
5					.2	3.3	23	.3				
6					.2	3.2	10	.3				
7					.2	3.2	7	.3				
8					.2	3.0	5.5	*.3				
9					.2	3.0	4.9	*.3				
10					.2	2.8	3.8	*.3				
11					8.5	2.8	3.2	*.3				
12					29	2.8	2.8	*.3				
13					140	2.6	2.3	*.3				
14					88	2.5	2.1	*.3				
15					101	2.5	1.8	*.2				
16					38	2.5	1.6	*.2				
17					19	2.6	1.5	*.2				
18					30	2.5	1.5	*.2				
19					12	2.3	1.4	*.2				
20					6	2.1	1.3	*.2				
21					3.0	2.1	1.4	*.2				
22					235	2.3	1.3	*.2				
23					177	2.5	1.0	*.2				
24					56	3.5	.9	*.2				
25					37	3.8	.8	*.2				
26					29	3.2	.7	*.2				
27					*20	2.6	.6	*.2				
28					*15	2.5	.6	*.2				
29					*10	2.3	.6	*.2				
30					-	3.2	.5	*.2				
31					-	20	-	*.2				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3.1	-	-	*0.1	6.1
November	3.0	-	-	*.1	6.0
December	3.1	-	-	*.1	6.1
Calendar year 1935	698.6	93	-	1.91	1,390
January	3.1	-	-	*.1	6.1
February	1,069.9	235	.2	36.9	2,120
March	112.9	20	2.1	3.64	224
April	181.7	62	.5	6.06	360
May	8.0	.5	.2	.26	16
June	6.0	-	-	*.2	12
July	6.2	-	-	*.2	12
August	4.6	-	-	*.15	9.1
September	3.0	-	-	*.1	6.0
Water year 1935-36	1,404.6	235	-	3.84	2,780

*Estimated.

SAN JOAQUIN RIVER AND TRIBUTARIES ABOVE FRESNO RIVER

Florence Lake near Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°17'0", long. 118°58'0", 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 1936.

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; elevation of top of spillway gates is 7,327.5 feet above mean sea level (capacity, 64,406 acre-feet). Released water flows through Florence Lake Tunnel into Huntington Lake. Record of contents furnished by Southern California Edison Co., Ltd., shows amount available for release.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30,383	733	96	103	109	210	5,196	6,032	39,525	64,666	64,204	51,664
2	29,416	527	96	111	82	213	4,908	6,403	39,217	64,820	64,156	50,789
3	28,361	584	93	111	121	223	4,428	7,081	38,942	64,531	64,079	50,025
4	27,317	650	94	112	141	232	4,126	8,046	38,700	64,377	63,945	49,328
5	26,284	670	96	107	165	232	3,594	8,940	38,571	64,550	63,858	48,538
6	25,217	688	100	102	174	234	2,906	9,343	38,547	64,473	63,829	47,674
7	24,134	705	98	99	174	251	2,440	9,293	38,410	64,685	63,762	46,922
8	23,050	705	93	98	182	275	2,131	9,257	38,353	64,098	63,762	46,242
9	21,978	694	96	98	170	305	1,972	9,647	38,708	64,271	63,954	45,565
10	20,913	675	95	107	155	331	1,978	10,476	39,745	64,329	64,156	44,748
11	19,864	657	93	118	163	346	2,140	11,468	41,459	64,281	64,146	43,852
12	18,822	632	85	121	158	355	2,429	12,577	43,550	64,406	64,050	42,947
13	17,788	598	83	130	172	338	2,588	14,001	45,386	64,454	63,906	42,047
14	16,812	569	90	132	198	339	2,775	15,313	46,568	64,329	63,714	41,006
15	15,829	554	91	132	212	372	2,678	16,382	47,449	64,367	63,503	39,875
16	14,840	547	88	127	213	666	3,204	17,482	48,932	64,358	63,245	38,756
17	13,814	548	85	123	212	1,208	3,712	18,795	50,967	64,242	62,872	37,640
18	12,784	441	85	124	206	1,701	3,987	20,194	53,088	64,435	62,300	36,573
19	11,740	309	85	120	197	2,181	4,147	21,530	55,207	64,820	61,634	35,547
20	10,698	228	90	118	189	2,656	4,346	22,666	57,247	64,849	60,961	34,529
21	9,652	200	88	116	188	3,178	4,608	23,802	59,208	65,052	60,271	33,511
22	8,607	187	85	114	175	3,614	4,941	25,418	61,027	64,695	59,575	32,510
23	7,768	158	83	113	156	3,948	5,142	27,449	63,187	64,753	58,824	31,525
24	7,220	134	83	114	197	4,255	5,296	29,895	64,599	64,512	58,076	30,533
25	6,437	117	83	114	269	4,514	5,622	32,365	64,878	64,396	57,312	29,506
26	5,519	106	82	112	274	4,770	6,065	34,365	64,570	64,599	56,552	28,465
27	4,576	100	80	112	248	4,986	6,411	35,980	64,830	64,666	55,796	27,420
28	3,437	100	84	117	225	5,177	6,521	37,496	64,473	64,435	54,986	26,378
29	2,391	98	85	114	212	5,369	6,411	38,595	64,483	64,291	54,171	25,310
30	1,570	96	90	113	-	5,491	6,142	39,184	64,627	64,252	53,360	24,233
31	1,059	-	98	109	-	5,308	-	39,599	-	64,233	52,518	-

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 1936.

Average discharge.- Combined flow of South Fork of San Joaquin River and Florence Lake Tunnel at intake, 13 years, (1922-31, 1932-36), 242 second-feet.

Extremes.- Maximum discharge during year, 2,060 second-feet June 26 (gage height, 13.15 feet); no flow 2 p.m. Nov. 23.
1921-36: Maximum discharge, 3,460 second-feet June 4, 1922 (gage height, 13.75 feet); no flow at times in 1924, 1925, 1935, 1936.

Remarks.- Records good except those estimated Dec. 30 to Jan. 1 and those interpolated Jan. 31 to Feb. 3. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	0.6	1.4	1.0	0.4	0.9	0.1	0.1	0.1	630	2.5	1.4
2	1.2	.6	1.4	1.0	.4	1.0	.1	.1	.1	550	2.5	1.4
3	1.2	.5	1.4	.6	.4	1.0	.1	.1	.4	857	2.5	1.3
4	1.2	.5	1.4	.4	.4	1.0	.1	.1	.2	875	2.3	1.6
5	1.2	.5	1.4	.4	.4	1.0	.1	.1	.1	678	2.2	2.8
6	1.2	.3	1.4	.3	.4	1.0	.1	.1	.1	550	2.0	2.0
7	1.2	.1	1.3	.3	.4	1.0	.2	.1	.1	382	2.0	1.2
8	1.2	.1	1.2	.3	.4	1.2	.3	.1	.1	669	1.9	1.2
9	1.2	.1	.8	.4	.4	1.3	.4	.1	.1	126	2.2	1.3
10	1.1	.1	.5	.4	.4	1.4	.4	.1	.1	2.0	1.9	1.3
11	1.1	.1	.4	.4	.4	1.4	.4	.1	.1	1.8	2.0	1.3
12	1.1	.1	.6	.4	.4	1.4	.5	.1	.1	2.4	2.0	1.3
13	1.0	.1	.5	.4	.4	1.3	.5	.1	.1	4.2	1.9	1.3
14	1.3	.1	.5	.4	.4	1.4	.5	.1	.1	69	1.8	1.3
15	1.2	.1	.4	.4	.5	1.4	.6	.1	.1	4.0	1.8	1.2
16	1.0	.1	.4	.4	.5	.9	.5	.1	.1	3.8	1.8	1.2
17	1.0	.2	.4	.3	.5	.3	.5	.1	.5	3.2	1.6	1.2
18	.9	.1	.4	.3	.5	.3	.4	.1	1.0	3.4	1.5	1.2
19	.9	.1	.4	.3	.5	.2	.4	.1	1.2	49	1.4	1.1
20	.9	.1	.4	.3	.5	.2	.3	.1	1.3	239	1.4	1.4
21	.9	.1	.4	.3	.8	.2	.3	.1	1.3	480	1.4	1.9
22	.9	.1	.4	.3	.9	.2	.3	.1	1.3	610	1.4	1.9
23	.9	2.9	.4	.3	.7	.1	.2	.1	1.3	286	1.3	1.9
24	.9	7	.4	.3	.8	.1	.1	.1	2.8	185	1.3	1.9
25	.9	6.5	.4	.3	.9	.1	.2	.1	77	6	1.2	1.9
26	.8	5.5	.3	.3	1.0	.1	.1	.1	880	6	1.0	2.2
27	.7	3.1	.3	.3	.9	.1	.1	.1	1,290	45	1.0	2.0
28	.7	1.4	.3	.4	.9	.1	.1	.1	1,490	13	1.4	1.6
29	.6	1.4	.4	.5	.9	.2	.1	.1	849	3.4	1.4	1.3
30	.6	1.4	1.0	.4	-	.2	.1	.2	610	2.6	1.2	1.3
31	.6	-	1.0	.4	-	.1	-	.3	-	2.8	1.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	30.9	1.3	0.6	1.00	61
November	33.9	7	.1	1.13	67
December	21.9	1.4	.3	.71	43
Calendar year 1935	10,527.7	1,770	0	28.8	20,870
January	12.5	1.0	.3	.40	25
February	16.4	1.0	.4	.57	33
March	21.1	1.4	.1	.68	42
April	8.1	.6	.1	.27	16
May	3.4	.3	.1	.11	6.7
June	5,208.7	1,490	.1	174	10,330
July	7,338.6	875	1.8	237	14,560
August	53.0	2.5	1.0	1.71	105
September	45.9	2.8	1.1	1.53	91
Water year 1935-36	12,794.4	1,490	.1	35.0	25,380

San Joaquin River above Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°15'0", 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 1936.

Average discharge.- 11 years (1925-36), 1,067 second-feet (period since Florence Lake Tunnel diversion began).

Extremes.- Maximum discharge during year, 7,860 second-feet May 14 (gage height, 14.40 feet); minimum, 93 second-feet Sept. 27-30 (gage height, 6.78 feet).
1922-36: 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 1935-36 (gage height, in feet, and discharge, in second-feet)

6.8	96	8.4	566	11.2	2,370
7.0	130	8.8	745	11.6	2,740
7.2	172	9.2	950	12.0	3,160
7.4	222	9.6	1,180	12.5	3,800
7.6	276	10.0	1,450	13.0	4,610
7.8	338	10.4	1,730	13.5	5,620
8.0	408	10.8	2,050	14.0	6,800

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	109	107	140	182	732	1,030	1,150	2,890	2,170	2,500	722	159
2	128	157	138	177	2,140	1,120	1,120	3,530	2,010	2,550	610	150
3	168	152	140	243	768	1,150	1,210	4,900	2,130	2,370	526	146
4	144	134	142	240	576	1,210	1,450	5,840	2,010	2,740	476	152
5	128	146	142	254	526	1,180	1,240	6,320	2,170	2,460	446	159
6	119	152	134	214	486	1,180	1,180	5,300	2,370	2,090	408	165
7	114	157	140	196	442	1,210	1,340	3,600	2,740	2,050	379	154
8	109	163	140	184	412	1,280	1,730	3,600	2,420	1,970	362	140
9	106	168	140	475	397	1,450	2,130	4,260	2,460	1,970	362	130
10	102	163	130	474	383	1,620	2,500	5,000	2,940	1,180	404	126
11	109	148	140	802	990	1,660	2,840	5,510	3,800	1,030	427	123
12	130	142	154	547	2,050	1,770	3,160	5,400	4,700	922	369	121
13	184	134	161	397	1,480	1,770	3,400	6,320	4,610	950	332	123
14	172	126	130	394	1,450	1,730	3,800	6,440	3,730	978	312	121
15	238	119	146	431	1,310	1,810	4,260	6,080	2,840	1,000	297	119
16	222	132	142	534	1,420	1,930	4,700	5,620	3,160	950	282	116
17	194	196	130	416	1,000	1,890	4,900	5,840	3,730	868	270	112
18	182	214	130	341	895	1,970	4,900	5,840	3,880	815	256	109
19	172	184	126	335	790	1,930	4,180	5,510	3,880	978	243	106
20	168	172	130	312	722	1,970	4,520	4,020	3,950	895	230	102
21	163	174	136	300	840	2,050	4,610	3,800	3,730	1,420	217	101
22	154	174	138	291	2,830	1,970	5,400	4,100	3,660	2,130	204	99
23	140	172	134	285	2,170	1,590	5,100	4,700	4,100	1,450	191	98
24	121	172	132	285	1,380	1,420	4,800	5,300	4,260	1,060	182	96
25	126	161	130	291	1,150	1,240	4,520	5,620	4,340	922	170	95
26	128	152	130	291	1,000	1,120	5,000	5,100	3,600	700	161	95
27	125	144	140	285	1,000	1,090	5,100	4,260	4,430	632	157	93
28	121	148	154	291	978	1,060	4,260	4,260	4,430	678	154	93
29	119	146	214	338	1,000	1,060	3,600	3,460	3,280	678	150	93
30	119	142	225	319	-	1,180	2,890	2,690	2,600	589	159	93
31	112	-	189	288	-	1,310	-	2,460	-	655	165	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,426	238	102	143	8,780
November	4,651	214	107	155	9,230
December	4,497	225	126	145	8,920
Calendar year 1935	538,598	9,000	102	1,476	1,068,000
January	10,412	802	177	336	20,650
February	31,317	2,830	383	1,080	62,120
March	45,950	2,050	1,030	1,482	91,140
April	100,990	5,400	1,120	3,366	200,300
May	147,570	6,440	2,460	4,760	292,700
June	100,130	4,700	2,010	3,338	198,600
July	42,180	2,740	589	1,361	83,660
August	9,625	722	150	310	19,090
September	3,569	165	93	120	7,120
Water year 1935-36	505,337	6,440	93	1,381	1,002,000

San Joaquin River near Friant, Calif.

Location.- Water-stage recorder, lat. 37°0'32", 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. Zero of gage is 315.03 feet above mean sea level.

Drainage area.- 1,632 square miles.

Records available.- December 1913 to September 1936. October 1907 to December 1913, record at staff gage 2 miles upstream.

Average discharge.- 29 years (1907-36), 2,220 second-feet.

Extremes.- Maximum discharge during year, 25,000 second-feet Feb. 22 (gage height, 15.7 feet); minimum, 105 second-feet Dec. 26.
1907-36: Maximum discharge, about 46,200 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 for July 22-24, which were computed on basis of records upstream. 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 25,050 acre-feet on Sept. 30, 1935, and 24,960 acre-feet on Sept. 30, 1936.

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

3.2	211	6.0	1,480
3.4	263	6.5	1,860
3.6	325	7.0	2,320
3.8	395	8.0	3,450
4.0	465	9.0	5,000
4.4	620	10.0	7,040
4.8	790	11.0	9,540
5.2	995	12.0	12,200
5.6	1,220		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,190	1,180	881	694	860	2,100	2,570	4,310	3,320	3,720	1,820	1,660
2	1,130	1,190	748	719	6,050	2,290	2,500	4,650	3,070	3,720	1,860	1,460
3	1,190	1,120	863	883	2,140	2,280	2,580	5,960	3,130	3,580	1,520	1,450
4	1,220	1,010	982	842	1,280	2,370	4,280	7,040	3,260	3,720	1,660	1,460
5	1,130	1,170	902	703	1,140	2,480	3,130	7,760	3,190	3,450	1,660	1,420
6	1,050	1,190	925	813	1,210	2,360	2,550	7,520	3,620	3,320	1,660	1,230
7	995	1,160	814	905	960	2,370	2,700	5,370	3,320	3,320	1,700	1,230
8	1,160	1,180	811	866	855	2,270	3,060	5,000	3,720	3,320	1,660	1,450
9	1,190	1,140	832	1,220	830	2,390	3,610	5,560	3,580	3,130	1,520	1,490
10	1,190	1,050	826	1,490	820	2,770	4,140	5,960	4,000	2,780	1,410	1,460
11	1,150	1,060	804	1,360	1,760	2,860	4,480	6,600	4,820	2,220	1,620	1,430
12	1,220	1,110	924	1,620	5,740	3,020	4,660	6,820	5,760	2,080	1,780	1,460
13	1,190	1,170	938	1,050	5,420	3,110	5,020	7,280	5,760	1,820	1,660	1,130
14	995	1,150	805	994	5,490	3,000	5,590	7,760	5,000	2,130	1,700	1,180
15	1,220	1,150	778	1,040	4,220	2,900	5,950	7,520	4,150	2,180	1,660	1,490
16	1,250	1,030	638	1,140	4,320	3,160	6,460	6,820	4,310	2,270	1,340	1,280
17	1,250	964	1,030	1,240	2,980	3,330	6,380	6,600	5,000	2,130	1,440	1,340
18	1,160	780	901	943	2,340	3,760	6,820	6,820	5,180	2,130	1,660	1,360
19	1,190	1,040	898	739	2,510	3,410	5,760	7,040	5,000	2,000	1,630	1,370
20	1,020	978	860	804	1,980	3,280	5,960	5,760	5,180	1,900	1,520	1,020
21	1,100	954	727	802	1,980	3,300	6,160	5,180	4,820	2,470	1,500	1,210
22	1,220	794	666	715	10,500	3,310	6,600	5,370	4,820	2,800	1,550	1,200
23	995	899	744	810	8,380	2,810	6,820	5,760	5,000	3,500	1,260	1,190
24	550	910	790	760	4,710	3,180	6,380	5,960	5,760	2,500	1,380	1,210
25	1,080	838	552	690	3,420	2,590	6,160	6,600	5,560	2,180	1,560	1,250
26	1,120	882	258	690	2,940	2,460	6,160	6,380	5,000	2,130	1,480	1,180
27	947	900	498	468	2,640	2,300	6,600	5,760	5,560	1,700	1,510	1,110
28	1,150	879	696	622	2,450	2,320	6,160	5,560	5,370	1,780	1,530	1,400
29	1,170	802	888	680	2,350	2,190	5,370	4,820	5,000	1,860	1,450	1,210
30	1,170	864	763	1,030	-	2,150	4,650	4,000	4,000	1,950	1,210	1,140
31	1,180	-	910	710	-	3,880	-	3,450	-	1,820	1,380	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34,772	1,250	550	1,122	68,970
November	30,544	1,190	780	1,018	60,580
December	24,652	1,030	258	795	48,900
Calendar year 1935	933,734	10,700	258	2,558	1,852,000
January	28,042	1,620	468	905	55,620
February	92,275	10,500	820	3,182	183,000
March	86,000	3,880	2,100	2,774	170,600
April	149,280	6,820	2,500	4,976	296,100
May	186,990	7,760	3,450	6,032	370,900
June	135,260	5,760	3,070	4,509	268,300
July	79,610	3,720	1,700	2,568	157,900
August	48,290	1,860	1,210	1,558	95,780
September	39,470	1,660	1,020	1,316	78,290
Water year 1935-36	935,135	10,500	258	2,555	1,855,000

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 1936.

Average discharge.- 24 years, 2,141 second-feet.

Extremes.- Maximum discharge during year, 14,400 second-feet Feb. 26 (gage height, 16.80 feet); minimum, 354 second-feet Aug. 15 (gage height, 2.73 feet); minimum gage height, 2.52 feet Sept. 6.

1912-36: 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; discharge for June 13, 14 computed on basis of partial gage-height record and records for nearby stations. Practically entire flow of main river and tributaries diverted during irrigation season, and low-water records show mainly amount of return water.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	392	436	900	1,080	920	12,800	3,300	7,580	5,910	3,090	500	434
2	452	436	680	1,130	960	12,300	3,440	7,440	5,670	2,810	500	402
3	535	406	840	1,180	1,370	11,600	3,600	7,300	5,340	2,690	500	390
4	552	406	600	1,200	1,700	10,700	3,840	6,780	4,930	2,510	466	405
5	605	406	820	1,200	1,850	9,710	4,270	6,650	4,180	2,160	450	421
6	622	392	880	1,180	2,000	8,450	5,450	6,780	3,520	1,830	434	450
7	605	378	900	1,130	2,280	7,440	5,560	7,040	3,230	1,670	450	483
8	570	392	860	1,150	2,280	6,390	5,230	7,170	3,090	1,570	408	466
9	535	421	860	1,200	2,060	5,670	5,230	6,910	2,950	1,520	387	431
10	552	436	840	1,220	1,800	5,230	5,230	6,910	2,810	1,470	393	431
11	535	452	820	1,220	1,650	5,030	5,130	7,040	2,750	1,470	381	421
12	535	468	840	1,260	1,770	4,930	5,130	7,300	2,750	1,470	369	466
13	552	484	840	1,400	2,890	4,830	5,230	7,580	2,690	1,370	369	483
14	552	484	820	1,600	3,970	4,630	5,560	7,720	3,000	1,270	369	534
15	552	500	800	1,600	5,500	4,630	5,790	7,860	3,300	1,160	360	517
16	588	500	800	1,700	5,920	4,630	6,270	8,000	3,760	1,090	405	517
17	680	535	800	1,700	7,800	4,630	6,910	8,300	3,840	960	434	500
18	660	605	860	1,650	9,870	4,540	7,300	8,450	3,840	860	424	483
19	568	660	900	1,600	11,000	4,450	7,440	8,450	3,920	800	415	483
20	535	740	920	1,500	11,900	4,270	7,720	8,600	3,920	780	418	450
21	484	860	940	1,450	11,900	4,090	7,720	8,600	3,840	720	450	434
22	468	920	1,000	1,450	11,600	3,920	7,720	8,450	3,760	663	450	424
23	436	960	1,110	1,360	11,200	4,000	7,720	7,440	3,680	625	500	405
24	406	980	1,180	1,240	11,900	4,000	7,860	6,910	3,600	606	552	412
25	421	980	1,200	1,180	13,700	3,840	8,000	6,910	3,680	588	517	396
26	484	1,020	1,180	1,130	14,400	3,680	8,000	6,910	3,840	552	466	387
27	452	1,000	1,150	1,080	14,400	3,440	7,860	6,780	3,840	552	450	396
28	436	980	1,150	1,060	14,100	3,230	7,860	6,650	3,760	570	431	402
29	421	980	1,200	1,060	13,400	3,020	7,860	6,520	3,600	552	412	408
30	421	960	1,220	1,060	-	3,020	7,720	6,390	3,370	534	434	431
31	406	-	1,130	960	-	3,090	-	6,150	-	517	466	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,032	680	392	517	31,800
November	19,177	1,020	378	639	38,040
December	29,440	1,220	800	950	58,390
Calendar year 1935	910,366	8,820	306	2,494	1,806,000
January	39,930	1,700	960	1,288	79,200
February	196,090	14,400	920	6,762	388,900
March	176,190	12,800	3,020	5,684	349,500
April	185,950	8,000	3,300	6,198	368,800
May	227,570	8,600	6,150	7,341	451,400
June	112,370	5,910	2,690	3,746	222,900
July	39,029	3,090	517	1,259	77,410
August	13,551	552	360	437	26,880
September	13,262	534	387	442	26,300
Water year 1935-36	1,068,591	14,400	360	2,920	2,120,000

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 Vernalis, San Joaquin County. Altitude, about 10 feet.

Records available.- July 1922 to September 1936; only low-water records 1922-23 and 1925-29.

Extremes.- Maximum discharge during year, 27,500 second-feet Feb. 29, including flow through break in levee, (gage height, 24.82 feet); maximum gage height, 25.47 feet Feb. 25, prior to break in levee; minimum discharge, 950 second-feet Aug. 15.
1922-36: Maximum discharge determined, that of Feb. 29, 1936; minimum, 184 second-feet Aug. 14, 1931.

Remarks.- Records good. Practically entire flow of main river and tributaries is diverted during irrigation season, and low-water records show mainly amount of return water. Discharge Feb. 25 to Mar. 10 includes estimated flow through break in right-bank levee a short distance above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,620	1,930	2,280	2,780	3,420	26,500	7,860	16,100	15,300	7,260	1,250	1,160
2	1,720	1,930	2,280	2,780	3,260	25,300	7,860	15,300	14,500	6,080	1,280	1,130
3	1,900	1,760	2,280	2,630	3,660	24,300	7,860	14,100	13,500	5,990	1,310	1,100
4	2,000	1,720	2,210	2,630	3,820	23,400	8,060	13,400	12,100	5,720	1,250	1,130
5	2,070	1,760	2,210	2,630	4,060	22,400	8,560	13,200	11,000	5,450	1,190	1,130
6	2,070	1,720	2,210	2,700	4,060	21,300	9,000	13,600	10,000	4,910	1,130	1,220
7	2,140	1,760	2,280	2,630	4,140	20,200	9,330	14,400	9,220	4,300	1,100	1,250
8	2,070	1,760	2,350	2,560	4,220	18,900	9,660	14,700	9,330	3,740	1,040	1,220
9	2,070	1,760	2,420	2,700	4,380	17,700	9,880	14,700	11,300	3,660	1,040	1,190
10	2,070	1,760	2,420	2,940	4,220	16,000	10,200	14,400	12,400	4,140	1,100	1,100
11	2,000	1,720	2,490	3,420	3,660	13,800	10,600	14,100	12,200	4,140	1,070	1,100
12	2,000	1,680	2,630	4,060	3,900	12,000	10,800	14,100	11,300	3,420	1,040	1,070
13	2,000	1,680	2,630	4,550	5,360	11,200	11,300	14,200	11,400	3,180	980	1,100
14	2,000	1,760	2,630	3,820	6,760	11,600	11,800	14,800	12,100	3,020	1,010	1,190
15	2,070	1,790	2,560	4,060	8,890	12,200	12,400	16,100	12,800	2,860	1,010	1,250
16	2,210	1,820	2,560	4,640	9,440	12,500	12,900	18,100	13,200	2,630	1,040	1,250
17	2,140	1,860	2,490	4,060	10,200	12,700	13,800	20,100	13,200	2,420	1,130	1,250
18	2,140	1,900	2,490	3,820	12,500	12,800	14,700	21,100	12,100	2,070	1,100	1,250
19	2,210	1,900	2,560	3,580	14,400	12,700	15,600	21,300	10,400	1,900	1,040	1,250
20	2,280	1,930	2,630	3,500	16,000	12,500	16,500	21,100	9,770	1,860	1,040	1,250
21	2,210	1,960	2,630	3,260	17,900	11,800	17,400	20,900	10,200	1,760	1,040	1,250
22	2,140	2,070	2,630	3,180	20,100	11,600	17,400	20,500	10,800	1,650	1,070	1,190
23	2,070	2,140	2,630	3,100	21,700	11,200	17,400	19,100	11,300	1,490	1,190	1,280
24	2,000	2,210	2,630	3,180	24,500	10,700	17,200	17,700	10,800	1,430	1,310	1,490
25	2,000	2,280	2,700	3,420	25,700	10,200	17,000	16,800	9,220	1,370	1,280	1,550
26	2,000	2,280	2,780	3,420	26,000	9,660	17,200	16,300	8,560	1,370	1,190	1,550
27	2,000	2,280	2,700	3,340	26,400	9,000	17,000	16,700	8,780	1,370	1,130	1,580
28	2,000	2,350	2,700	2,940	26,800	7,660	17,000	16,800	8,690	1,400	1,070	1,620
29	2,000	2,350	2,780	3,260	27,400	6,960	16,800	17,000	9,110	1,340	1,070	1,650
30	1,930	2,350	2,940	3,420	-	6,760	16,700	17,000	8,780	1,280	1,100	1,680
31	1,930	-	2,860	3,420	-	7,160	-	16,300	-	1,280	1,160	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	63,060	2,280	1,620	2,034	125,100
November	58,170	2,350	1,680	1,939	115,400
December	78,590	2,940	2,210	2,535	155,900
Calendar year 1935	2,116,790	23,600	850	5,799	4,198,000
January	102,430	4,640	2,560	3,304	203,200
February	346,850	27,400	3,260	11,960	688,000
March	442,700	26,500	6,760	14,280	876,100
April	389,770	17,400	7,860	12,990	773,100
May	514,000	21,300	13,200	16,580	1,020,000
June	333,560	15,300	8,560	11,120	661,600
July	94,490	7,260	1,280	3,048	187,400
August	34,760	1,310	980	1,121	68,950
September	38,430	1,680	1,070	1,281	76,220
Water year 1935-36	2,496,810	27,400	980	6,822	4,953,000

Florence Lake Tunnel at intake, Calif.

Location.- Water-stage recorders and Venturi meter, lat. 37°17', long. 118°58', in SE¼ sec. 36, T. 7 S., R. 27 E., in gatehouse at entrance to tunnel. Altitude, about 7,350 feet.

Records available.- April 1925 to September 1936.

Average discharge.- 10 years (1925-31, 1932-36), 220 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,440 second-feet June 25; minimum, 0.3 second-foot Mar. 17.
1925-36: Maximum mean daily discharge, 1,990 second-feet Apr. 30, 1926; no flow at times.

Remarks.- Records good. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	524	214	24	30	38	111	185	625	692	408	575	518
2	543	149	25	36	28	112	252	625	745	405	449	518
3	554	.4	25	39	32	116	345	638	755	318	402	478
4	552	10	25	40	51	123	276	658	742	212	389	431
5	548	33	22	38	73	128	352	682	749	212	346	474
6	564	32	25	36	83	128	445	697	763	384	299	502
7	573	32	27	31	86	132	418	697	763	475	299	445
8	569	40	28	32	90	147	396	694	763	473	299	397
9	562	44	22	32	88	167	382	696	762	473	310	394
10	558	44	28	34	78	188	376	703	763	547	269	458
11	554	43	26	43	73	201	365	718	770	570	317	495
12	550	41	26	46	74	210	355	732	781	473	313	493
13	542	41	18	51	79	209	446	749	789	552	310	489
14	540	39	24	56	94	205	495	767	799	586	310	557
15	539	37	25	56	108	212	737	782	801	586	306	597
16	535	36	24	54	115	161	516	790	802	606	306	595
17	544	36	22	50	114	.3	542	801	806	630	358	591
18	546	80	22	50	113	.4	560	813	810	577	445	566
19	562	107	23	48	106	.5	562	675	817	417	471	542
20	568	81	24	45	99	.5	564	489	824	573	471	535
21	558	54	24	43	96	.5	573	475	832	620	469	530
22	546	44	23	42	93	.7	582	478	949	614	471	522
23	418	38	21	41	74	.7	593	486	1,010	481	469	520
24	296	38	20	41	83	.7	597	491	1,230	614	466	514
25	421	32	20	42	126	.7	602	491	1,440	626	466	535
26	484	27	21	41	155	.7	614	495	864	516	464	540
27	464	27	21	41	146	.7	630	482	212	679	464	537
28	540	26	21	42	128	.7	638	489	212	743	504	530
29	516	25	24	44	114	.7	640	522	264	633	528	544
30	431	25	23	37	-	59	632	571	375	566	524	560
31	307	-	28	40	-	202	-	590	-	642	522	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,010	573	296	516	31,760
November	1,475.4	214	.4	49.2	2,930
December	731	28	18	23.6	1,450
Calendar year 1935	108,816.3	1,620	.4	298	215,900
January	1,301	56	30	42.0	2,580
February	2,637	155	28	90.9	5,230
March	2,818.8	212	.3	90.9	5,590
April	14,670	737	185	489	29,100
May	19,601	813	475	632	38,880
June	22,884	1,440	212	763	45,390
July	16,211	743	212	523	32,150
August	12,591	575	269	406	24,970
September	15,407	597	394	514	30,560
Water year 1935-36	126,337.2	1,440	.3	345	250,600

Florence Lake Tunnel at outlet, Calif.

Location.- Water-stage recorder, lat. 37°16'0", long. 119°9'0", 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 1936.

Extremes.- Maximum mean daily discharge during year, 1,950 second-feet June 25; minimum, 26 second-feet Nov. 3.
1927-36: Maximum mean daily discharge, 2,080 second-feet June 21, 1935; minimum, 3.2 second-feet Oct. 23, 1929.

Remarks.- Records excellent. Tunnel diverts water from Florence Lake to Huntington Lake. See record for 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	585	258	52	75	92	209	302	1,170	1,330	1,050	1,040	612
2	614	213	56	84	79	204	333	1,320	1,380	1,050	803	604
3	619	26	56	91	81	206	533	1,370	1,350	972	701	571
4	612	38	56	94	115	219	362	1,400	1,320	846	665	518
5	607	72	49	91	150	227	449	1,410	1,360	844	596	561
6	616	72	58	86	180	227	561	1,410	1,400	967	520	585
7	630	73	66	76	180	234	552	1,380	1,330	1,100	502	529
8	624	78	67	79	169	256	571	1,380	1,360	1,100	497	466
9	618	62	54	78	164	292	599	1,400	1,430	1,060	568	460
10	611	76	69	62	148	326	652	1,420	1,450	992	533	512
11	607	76	64	98	139	345	709	1,440	1,460	1,020	547	561
12	609	71	63	101	144	366	754	1,450	1,470	880	513	555
13	597	66	45	114	156	363	892	1,470	1,480	1,010	491	552
14	590	64	63	124	161	357	1,030	1,490	1,480	1,100	474	609
15	597	67	67	128	213	376	1,350	1,500	1,480	1,080	460	662
16	599	70	60	122	222	376	1,200	1,510	1,490	1,120	451	657
17	611	70	58	114	216	162	1,230	1,530	1,500	1,110	466	653
18	616	96	58	113	212	186	1,240	1,540	1,500	1,070	566	630
19	623	145	57	109	198	190	1,190	1,440	1,520	1,010	597	601
20	631	124	60	103	185	200	1,240	1,190	1,530	1,160	589	592
21	616	96	60	100	178	184	1,260	1,170	1,540	1,250	582	585
22	601	83	58	98	174	166	1,280	1,180	1,610	1,250	574	581
23	506	75	56	96	147	141	1,280	1,190	1,700	1,100	566	576
24	345	75	54	96	160	136	1,290	1,200	1,810	1,120	558	569
25	453	66	53	97	225	124	1,300	1,200	1,950	1,070	552	587
26	536	58	54	97	272	121	1,330	1,190	1,600	864	549	599
27	515	61	55	97	273	118	1,340	1,180	852	1,050	544	590
28	562	56	54	98	246	114	1,330	1,180	850	1,150	581	585
29	577	54	59	103	218	116	1,270	1,200	896	1,030	628	599
30	474	56	59	91	-	151	1,160	1,240	1,010	892	635	614
31	352	-	69	96	-	322	-	1,250	-	1,030	623	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	17,775	631	345	573	35,260
November	2,517	258	26	83.9	4,990
December	1,809	69	45	58.4	3,590
Calendar year 1935	181,015	2,080	26	496	359,000
January	3,033	128	75	97.8	6,020
February	5,119	273	79	177	10,150
March	7,034	376	114	227	13,950
April	28,589	1,350	302	953	56,710
May	41,400	1,540	1,170	1,335	82,120
June	42,438	1,950	850	1,415	84,170
July	32,387	1,250	844	1,045	64,240
August	17,991	1,040	451	580	35,680
September	17,375	662	460	579	34,460
Water year 1935-36	217,467	1,950	26	594	431,300

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 1936.

Average discharge.- 12 years (1922-30, 1932-36), 72.6 second-feet.

Extremes.- Maximum discharge during year, 1,530 second-feet July 21 (gage height, 6.90 feet); minimum, no record.
1921-36: Maximum discharge, that of July 21, 1936; minimum, 1.2 second-feet Sept. 29 to Oct. 5, 1924.

Remarks.- Records good except those for periods of ice effect, Oct. 31 to Nov. 5 and Dec. 1 to Apr. 8, which were computed on basis of records for Mono Creek and Florence Lake Tunnel. 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 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

2.7	0.0	3.4	24	4.2	140	5.0	404
2.8	.5	3.6	44	4.4	184	5.2	500
3.0	4.0	3.8	71	4.6	244	5.4	600
3.2	11	4.0	104	4.8	320	5.6	720

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	6					33	148	204	341	187	28
2	16	6					33	241	177	337	144	27
3	13	7					31	292	167	333	118	26
4	12	16					33	333	182	328	104	28
5	11	15					35	333	195	308	94	31
6	10	14					36	258	198	262	84	28
7	10	12					44	187	174	288	76	25
8	9	12					64	195	184	266	76	23
9	8.5	10					84	262	266	198	102	21
10	8.5	10					108	341	375	158	106	20
11	9.5	10					129	383	475	158	89	20
12	10	9.5					148	383	525	152	73	18
13	10	8					162	432	480	182	65	17
14	10	7					182	432	413	201	56	16
15	14	7.5					212	400	370	192	53	16
16	15	9					241	404	436	198	50	15
17	15	9					244	427	510	184	45	15
18	15	9.5					212	432	525	195	44	14
19	15	12					184	409	535	225	41	14
20	14	12					206	316	525	244	37	13
21	12	12					212	324	510	531	34	13
22	11	12					209	396	515	490	32	13
23	8.5	12					206	450	624	280	29	12
24	10	11					212	490	595	218	27	12
25	10	10					228	510	495	174	26	12
26	10	10					258	455	465	152	24	12
27	9.5	11					238	413	475	162	23	11
28	9	10					187	391	441	167	23	11
29	8	10					154	345	349	179	34	11
30	5.5	9.5					129	244	328	144	35	11
31	5.5	-					-	244	-	170	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	336.5	16	5.5	10.9	667
November	309.0	*16	*6	10.3	613
December	310	-	-	*10	615
Calendar year 1935	32,080.5	530	5.5	87.9	63,620
January	558	-	-	*18	1,110
February	870	-	-	*30	1,730
March	1,240	-	-	*40	2,460
April	4,454	258	*31	148	8,830
May	10,870	510	148	351	21,560
June	11,713	624	167	390	23,230
July	7,417	531	144	239	14,710
August	1,965	187	23	63.4	3,900
September	533	31	11	17.8	1,060
Water year 1935-36	40,575.5	624	-	111	80,480

*Estimated.

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 1936.

Average discharge.- 12 years (1922-30, 1932-36), 126 second-feet.

Extremes.- Maximum discharge during year, 1,060 second-feet June 24 (gage height, 7.55 feet); minimum probably occurred during period of ice effect.
1921-36: 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 period of ice effect, Oct. 30 to Apr. 11, which were computed on basis of four discharge measurements and records for Bear Creek and Florence Lake Tunnel at intake and outlet. 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 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)

4.6	10.5	5.6	161	6.6	540
4.8	22	5.8	217	6.8	640
5.0	41	6.0	285	7.0	745
5.2	70	6.2	365	7.2	855
5.4	111	6.4	450	7.4	970

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24		*12				80	325	397	459	223	45
2	28						80	397	365	446	174	42
3	24						80	468	349	436	153	41
4	23						80	526	333	426	140	46
5	21						80	540	337	405	130	46
6	21						90	495	345	377	118	40
7	21						100	405	321	401	111	37
8	21						120	405	341	373	116	34
9	21						140	468	410	305	145	32
10	21						150	545	422	253	148	31
11	21						200	600	660	230	125	30
12	24						202	605	772	233	107	29
13	22						236	690	772	260	98	28
14	21						274	706	675	267	91	28
15	26						321	675	605	256	87	27
16	27	*22					373	675	670	260	81	26
17	28						414	712	745	243	78	25
18	29			*39			393	723	800	260	72	24
19	26						357	696	828	301	65	24
20	27						377	575	800	297	60	23
21	25						397	565	772	365	57	22
22	23						428	610	772	349	54	22
23	20						428	680	882	281	50	21
24	21						428	772	882	249	46	21
25	23						446	800	723	220	44	21
26	21						482	772	701	200	42	20
27	21						477	706	680	197	41	20
28	21						401	670	640	197	41	20
29	20						345	605	508	183	51	20
30	15						305	482	468	169	54	19
31	15						-	450	-	200	48	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	703	29	15	22.7	1,390
November	570	-	-	19	1,130
December	620	-	-	20	1,230
Calendar year 1935	56,315	990	-	154	111,700
January	1,085	-	-	35	2,150
February	1,595	-	-	55	3,160
March	2,480	-	-	80	4,920
April	8,284	482	80	276	16,430
May	18,343	800	325	592	36,380
June	17,975	882	321	599	35,650
July	9,100	459	169	294	18,050
August	2,850	223	41	91.9	5,650
September	864	46	19	28.8	1,710
Water year 1935-36	64,469	882	-	176	127,800

*Discharge measurements.

Huntington Lake near Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°14'0", long. 119°13'0", in SW¼ sec. 14, T. 8 S., R. 25 E., at Dam 1, 2 miles northeast of Big Creek.

Records available.- October 1926 to September 1936.

Remarks.- Huntington Lake on Big Creek is original storage reservoir of Big Creek system of Southern California Edison Co., Ltd. Elevation of crest of dam is 6,952 feet above mean sea level; elevation of crest of overflow spillway is 6,950 feet above mean sea level (capacity 88,834 acre-feet). Water is received from South Fork of San Joaquin River, Bear Creek, and Mono Creek, through Florence Lake Tunnel and released through Big Creek power house 1. Surplus water flows through Huntington-Shaver Conduit to Shaver Lake. Record of contents, furnished by Southern California Edison Co., Ltd., shows amount available for release.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	87,490	66,099	57,525	32,763	17,749	10,160	2,420	55,513	80,101	66,605	88,677	88,105
2	87,504	85,450	56,485	32,080	17,879	9,733	2,405	56,202	79,677	88,620	88,519	88,076
3	87,518	84,451	55,442	31,334	17,436	9,294	2,746	57,489	79,213	88,605	88,562	88,033
4	87,518	83,389	54,420	30,686	16,945	8,876	2,633	56,982	78,724	88,705	88,705	87,862
5	87,504	82,416	53,371	30,297	16,470	8,478	2,988	60,466	78,344	88,662	88,720	87,804
6	87,518	81,420	52,331	29,754	16,032	8,092	3,284	61,514	78,046	88,577	88,577	88,048
7	87,547	80,429	51,323	29,160	15,611	7,891	3,581	62,199	77,788	88,691	88,419	88,291
8	87,576	79,445	50,335	28,587	15,452	7,995	3,953	63,074	77,424	88,777	88,291	88,233
9	87,590	78,466	49,324	28,204	15,358	7,766	4,417	64,264	77,195	88,705	88,462	87,933
10	87,590	77,572	48,674	27,725	14,986	7,626	5,093	65,739	77,007	88,548	88,391	87,776
11	87,647	76,697	47,766	27,462	14,849	7,524	6,126	67,240	76,818	88,677	88,362	87,676
12	87,661	75,720	47,038	27,315	14,811	7,496	7,451	68,810	76,589	88,634	88,233	87,576
13	87,661	74,720	46,186	26,829	14,882	7,462	8,819	70,485	76,254	88,705	88,033	87,776
14	87,762	73,687	45,322	26,299	14,925	7,612	10,517	72,137	75,893	88,777	87,847	87,933
15	87,790	72,727	44,697	25,761	15,036	7,938	13,001	73,714	76,939	88,705	87,719	88,033
16	87,819	71,759	43,813	25,237	15,537	7,891	15,208	75,372	77,330	88,748	87,819	88,119
17	87,862	70,847	42,959	24,634	15,341	7,444	17,583	77,249	76,805	88,677	87,776	88,205
18	87,904	69,915	42,083	24,040	14,806	6,998	20,035	78,873	76,200	88,791	87,747	88,248
19	87,947	69,054	41,216	23,628	14,247	6,556	22,565	79,923	76,334	88,848	87,776	88,248
20	88,033	68,158	40,377	23,042	13,599	6,240	25,012	80,196	78,005	88,935	87,776	88,233
21	88,076	67,190	39,516	22,421	12,966	6,043	27,536	80,443	79,759	89,036	87,776	88,190
22	88,076	66,205	38,831	21,789	12,588	5,911	30,159	80,787	81,365	89,021	87,762	88,148
23	88,348	65,188	38,007	21,141	12,368	5,418	32,853	81,200	83,040	88,848	87,862	88,090
24	88,148	64,314	37,241	20,570	11,801	4,989	35,721	81,792	85,028	88,748	87,919	88,048
25	87,862	63,320	37,154	20,298	11,455	4,554	38,900	82,111	87,092	88,863	87,819	88,005
26	87,719	62,371	36,692	20,089	11,194	4,108	42,330	82,125	88,434	88,834	87,704	87,962
27	87,590	61,355	36,167	19,700	10,930	3,667	45,727	81,986	88,362	88,677	87,590	87,962
28	87,533	60,345	35,306	19,286	10,617	3,169	48,851	81,806	88,534	88,863	87,518	87,933
29	87,476	59,306	34,856	18,870	10,266	2,728	51,695	81,462	88,491	88,820	87,561	87,890
30	87,234	58,275	34,085	18,282	-	2,320	54,142	81,021	88,505	88,605	87,904	87,890
31	86,751	-	33,297	17,829	-	2,410	-	80,539	-	88,691	88,090	-

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 1936. Records prior to October 1929 are for periods of spill from Huntington Lake.

Extremes.- Maximum discharge during year, 68 second-feet July 22 (gage height, 4.25 feet); minimum, 0.3 second-foot Jan. 7.

1925-36: 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. Natural flow of Big Creek is regulated at Huntington Lake and during most of year is diverted for use through Big Creek power house 1. Gage-height record and results of discharge measurements furnished by Southern California Edison Co., Ltd.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.2	1.3	1.4	0.5	0.9	1.1	1.1	4.6	2.0	1.6	2.9	1.1
2	1.2	1.4	1.4	.5	1.1	1.3	1.1	4.9	2.0	1.7	1.6	1.2
3	1.2	1.4	1.4	.5	.7	1.5	1.0	5	2.1	1.6	1.2	1.2
4	1.2	1.4	1.4	.5	.6	1.6	.9	5.5	2.0	1.6	1.2	1.2
5	1.2	1.4	1.3	.5	.6	1.7	.9	5.5	2.0	2.3	2.2	1.2
6	1.2	1.4	1.3	.4	.5	1.6	1.0	5	1.9	1.8	1.8	1.2
7	1.2	1.5	1.2	.3	.5	1.7	1.1	4.9	1.8	1.8	1.1	1.1
8	1.2	1.4	1.1	.4	.5	1.8	1.6	4.9	1.7	3.6	1.1	1.1
9	1.2	1.4	1.0	.4	.5	1.9	2.1	4.8	1.7	4.6	1.2	1.1
10	1.2	1.4	1.0	.5	.5	2.2	2.4	4.8	1.7	2.3	1.1	1.1
11	1.3	1.4	1.0	.6	1.9	2.2	2.8	4.8	1.7	2.0	1.1	1.1
12	1.2	1.4	1.1	.5	1.7	2.2	3.2	4.5	1.6	2.1	1.1	1.1
13	1.2	1.4	1.0	.5	1.1	2.1	3.4	4.2	1.6	2.4	1.1	1.1
14	1.3	1.4	.9	.5	.9	2.2	4.0	3.9	1.6	3.7	1.1	1.1
15	1.4	1.4	.9	.5	.8	2.2	4.5	3.4	1.6	4.8	1.0	1.2
16	1.2	1.4	.9	.5	.7	2.2	4.6	3.2	1.6	3.4	1.0	1.2
17	1.2	1.4	.9	.4	.6	2.1	4.8	2.8	1.6	3.1	1.0	1.2
18	1.2	1.4	.9	.5	.6	2.2	4.3	2.5	1.6	3.3	1.0	1.2
19	1.2	1.4	.8	.5	.5	2.2	4.2	2.3	1.6	20	1.0	1.2
20	1.2	1.4	.8	.4	.5	2.4	4.2	2.0	1.6	18	1.0	1.2
21	1.2	1.4	.8	.4	1.4	2.5	4.8	2.0	1.6	28	1.0	1.2
22	1.3	1.4	.7	.4	1.7	2.2	5	1.9	1.6	55	1.0	1.2
23	1.3	1.4	.7	.4	1.4	1.9	5	1.9	1.6	28	1.0	1.2
24	1.2	1.4	.7	.4	1.1	1.7	5	1.9	1.6	5.5	1.0	1.2
25	1.2	1.4	.7	.4	.9	1.6	5.5	1.8	1.6	9.5	1.0	1.2
26	1.2	1.4	.7	.4	.9	1.5	5.5	1.8	1.6	19	1.1	1.2
27	1.2	1.4	.8	.4	.9	1.4	5	1.8	1.6	22	1.1	1.2
28	1.2	1.4	.7	.5	1.0	1.4	4.8	1.9	1.6	17	1.1	1.2
29	1.3	1.4	.7	.6	1.0	1.5	4.6	2.1	1.6	13	1.1	1.2
30	1.3	1.4	.6	.5	-	1.4	4.6	2.0	1.6	4.3	1.1	1.2
31	1.3	-	.6	.5	-	1.2	-	2.0	-	1.9	1.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	38.1	1.4	1.2	1.23	76
November	42.0	1.5	1.3	1.40	83
December	29.4	1.4	.6	95	58
Calendar year 1935	644.3	9.5	.2	1.77	1,280
January	14.3	.6	.3	.46	28
February	26.0	1.9	.5	.90	52
March	56.7	2.5	1.1	1.83	112
April	103.0	5.5	.9	3.43	204
May	104.6	5.5	1.8	3.37	207
June	51.0	2.1	1.6	1.70	101
July	288.9	55	1.6	9.32	573
August	37.4	2.9	1.0	1.21	74
September	35.1	1.2	1.1	1.17	70
Water year 1935-36	826.5	55	.3	2.26	1,640

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 1936.

Extremes.- Maximum discharge during year, 532 second-feet May 4 (gage height, 5.76 feet); minimum, 0.1 second-foot Oct. 25.
1927-36: 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. 2 to Apr. 19, which were computed from records of Huntington-Shaver Conduit at outlet and Pitman Creek near Tamarack Mountain, an unpublished record. 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.

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

1.8	0.1	2.8	44	3.8	127
2.0	3.7	3.0	58	4.0	150
2.2	12	3.2	73	4.5	225
2.4	21	3.4	89	5.0	326
2.6	32	3.6	107	5.5	455

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.3					23	205	100	20	2.5	0.3
2	.5						22	276	94	19	2.2	.3
3	.5		*0.5	*0.6		*6.1	22	324	99	18	1.9	.3
4	.4						22	374	98	16	1.9	.4
5	.4						21	350	103	16	1.9	.4
6	.3	*.4					22	284	105	15	1.6	.4
7	.3						26	249	122	15	1.4	.3
8	.2						34	282	102	14	1.4	.2
9	.3						43	317	101	15	1.4	.2
10	.2						55	338	102	17	1.4	.2
11	.5						70	350	101	20	1.4	.2
12	.6						90	350	95	15	1.2	.2
13	.4				*3.4		110	362	84	13	.8	.2
14	.5						125	362	73	12	.6	.2
15	1.4						150	338	64	10	.5	.2
16	1.0						170	326	63	9.5	.4	.2
17	.8						185	317	60	8.5	.4	.2
18	.8						170	300	56	8	.4	.2
19	.6						145	252	51	7.5	.4	.2
20	.5						171	220	47	7.5	.4	.2
21	.4						183	216	43	7.5	.4	.3
22	.4						225	222	40	6.5	.4	.3
23	.3						241	225	41	5.5	.4	.3
24	.3						238	227	43	5.5	.3	.3
25	.3						262	215	47	4.9	.3	.3
26	.3						286	192	33	4.1	.3	.3
27	.3						268	176	28	4.5	.3	.3
28	.3						234	158	26	4.5	.3	.3
29	.3						192	143	23	3.7	.3	.3
30	.3						167	114	21	3.3	.3	.3
31	.3						-	113	-	2.9	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14.2	1.4	0.2	0.46	28
November	12.0	-	-	.4	24
December	15.5	-	-	.5	31
Calendar year 1935	18,183.0	440	.2	49.8	36,070
January	31.0	-	-	1.0	61
February	101.5	-	-	3.5	201
March	682	-	-	22	1,350
April	3,972	286	21	132	7,880
May	8,177	374	113	264	16,220
June	2,065	122	21	68.8	4,100
July	328.9	20	2.9	10.6	652
August	27.7	2.5	.3	.89	55
September	8.0	.4	.2	.27	16
Water year 1935-36	15,434.8	374	.2	42.2	30,620

*Discharge measurement.

Shaver Lake near Big Creek, Calif.

Location.- Water-stage recorder, lat. 37°9', 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.- January 1927 to September 1936.

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; elevation of crest of spillway is 5,370 feet above mean sea level (capacity, 135,283 acre-feet). Water is received from Huntington Lake Reservoir and Pitman Creek through Huntington-Shaver Conduit and is released through power house 2A on Big Creek. Record of contents, furnished by Southern California Edison Co., Ltd., shows amount available for release.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	63,321	42,099	29,204	22,753	21,239	23,929	16,167	18,392	96,951	134,870	134,717	101,048
2	62,489	41,471	28,658	22,588	21,927	23,892	15,635	20,864	99,234	134,913	134,935	99,850
3	61,708	41,173	28,486	22,406	22,052	23,743	15,285	23,799	101,611	134,913	134,174	98,638
4	60,912	40,378	28,238	22,351	22,132	23,622	15,278	26,393	103,913	135,065	133,130	97,468
5	60,108	39,558	28,031	22,278	22,196	23,464	15,431	28,931	106,179	135,131	132,051	96,263
6	59,735	38,767	27,704	21,846	22,251	23,324	15,234	31,365	108,609	135,065	130,952	95,216
7	58,905	37,982	27,521	21,373	22,287	23,147	15,059	33,765	111,524	135,065	129,861	94,002
8	58,077	37,183	27,451	20,699	22,351	23,296	14,913	36,215	113,794	135,065	128,707	92,775
9	57,211	36,461	27,178	20,960	22,406	23,221	14,841	38,792	116,039	135,152	127,699	91,562
10	56,632	36,157	26,983	20,672	22,406	23,119	14,770	41,935	118,259	135,218	126,679	90,339
11	55,608	35,468	26,662	20,882	23,221	23,027	14,692	44,473	120,392	135,087	125,780	89,163
12	54,830	34,674	26,403	20,864	23,641	22,917	15,103	47,013	122,582	135,174	124,702	87,944
13	54,545	33,878	26,113	20,524	23,967	22,744	15,168	49,608	124,766	135,109	123,610	86,733
14	53,689	33,079	25,836	20,283	24,271	22,570	15,248	52,165	127,410	135,109	122,477	85,550
15	53,269	32,298	25,777	20,088	24,499	22,716	15,350	54,716	128,197	135,196	121,268	84,397
16	52,569	32,100	25,357	20,156	24,690	22,433	15,584	57,284	129,284	135,174	120,061	83,287
17	51,821	31,966	24,947	20,147	24,623	22,070	15,837	60,316	131,340	135,174	118,880	82,117
18	51,038	31,771	24,537	20,105	24,433	21,677	15,920	62,837	133,391	135,000	117,683	80,976
19	50,315	31,507	24,080	20,139	24,137	21,230	16,361	65,238	134,804	135,131	116,428	79,824
20	49,934	31,299	23,827	20,181	23,873	20,760	16,508	67,575	134,609	135,218	115,262	78,989
21	49,147	31,059	23,696	20,198	23,771	20,342	16,685	69,897	134,739	135,371	114,037	78,072
22	48,361	30,786	23,631	20,215	24,823	20,472	16,885	72,250	134,696	135,502	112,840	77,010
23	48,348	30,628	23,352	20,232	25,220	19,943	17,116	74,678	134,761	135,568	111,807	76,007
24	48,064	30,542	23,240	20,249	25,074	19,478	17,211	77,482	134,761	135,436	110,616	75,040
25	47,242	30,262	23,249	20,275	24,804	18,965	17,282	79,858	134,848	135,196	109,411	74,051
26	46,508	29,973	23,212	20,308	24,547	18,400	18,060	82,152	134,913	135,261	108,188	73,081
27	46,088	29,889	23,193	20,317	24,223	17,835	17,955	84,450	134,826	135,152	107,014	72,201
28	45,290	29,678	23,091	20,334	23,957	17,472	17,899	86,822	134,978	135,218	105,804	71,245
29	44,486	29,457	23,212	20,368	23,836	17,495	17,764	89,182	134,826	135,109	104,621	70,231
30	43,688	29,309	22,981	20,376	-	17,226	17,503	91,767	134,870	134,913	103,424	69,197
31	42,844	-	22,762	20,411	-	16,746	-	94,606	-	134,739	102,212	-

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 1936.

Average discharge.- 21 years (1911-12, 1916-36), 67.0 second-feet.

Extremes.- Maximum discharge during year, 4,450 second-feet Feb. 22 (gage height, 5.30 feet); minimum, 2.6 second-feet Sept. 27, 28 (gage height, 0.98 foot).
1911-14, 1915-36: Maximum discharge, about 4,500 second-feet Feb. 21, 1917 (gage height, 6.0 feet at former staff gage), from rating curve extended above 1,000 second-feet; no flow at times in 1919, 1924, 1926, 1928-31, 1933-34.

Remarks.- Records good. 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 1935-36 (gage height, in feet, and discharge, in second-feet)

0.9	1.3	1.6	78	2.6	475
1.0	2.9	1.7	108	2.8	600
1.1	5.7	1.8	142	3.0	765
1.2	11	1.9	178	3.2	980
1.3	20	2.0	216	3.4	1,230
1.4	35	2.2	296	3.6	1,500
1.5	54	2.4	380	3.8	1,790

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.6	9	10	16	85	232	205	201	146	41	14	4.3
2	11	10	10	16	945	212	167	197	139	39	14	3.5
3	10	15	10	19	174	197	208	201	156	37	12	4.0
4	9	13	10	20	99	186	648	212	160	34	11	6
5	8.5	11	10	18	73	167	338	216	149	32	11	8
6	8	11	10	16	59	160	260	216	142	29	10	7
7	7	11	10	16	52	156	236	208	153	28	10	5.5
8	5.5	11	10	16	48	149	236	201	142	29	9.5	4.9
9	5.5	10	10	85	44	142	232	201	135	30	10	4.3
10	5	10	10	102	43	139	228	205	132	32	10	3.7
11	5	10	10	135	422	135	220	208	128	34	10	3.2
12	9.5	10	15	122	870	128	212	212	125	30	10	2.9
13	14	10	17	54	1,090	125	201	212	125	26	9.5	2.9
14	13	10	14	46	1,100	122	193	208	122	23	9	3.2
15	20	9.5	12	41	693	115	189	208	118	22	8	4.3
16	18	9.5	11	76	947	111	182	205	108	19	7.5	4.3
17	15	12	10	64	475	108	178	205	105	18	7.5	3.7
18	13	15	10	44	376	102	189	201	102	18	7	4.0
19	12	13	10	39	304	99	216	197	96	17	5.5	3.5
20	11	11	10	35	256	96	216	193	93	23	4.6	3.2
21	10	10	10	32	248	102	224	186	87	23	5	3.7
22	10	11	10	29	1,980	125	232	178	84	23	7.5	3.2
23	10	11	10	28	1,510	125	236	178	81	22	6	2.9
24	10	11	10	26	711	125	232	178	78	20	6	2.9
25	10	10	10	24	505	132	228	182	68	19	5.5	2.9
26	10	10	10	23	384	115	220	182	54	18	4.6	2.9
27	9.5	10	11	22	325	118	220	178	50	17	4.3	2.7
28	9.5	10	13	22	288	115	216	178	48	18	5	2.7
29	9	10	20	22	252	115	224	178	44	18	4.9	2.9
30	8.5	10	44	20	-	142	212	174	43	16	4.9	2.9
31	9	-	22	20	-	456	-	153	-	16	4.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	310.1	20	4.6	10.0	615
November	324.0	15	9	10.8	643
December	389	44	10	12.5	772
Calendar year 1935	37,418.3	1,390	2.6	103	74,220
January	1,248	135	16	40.3	2,480
February	14,358	1,980	43	495	28,480
March	4,551	456	96	147	9,030
April	6,998	648	167	233	13,880
May	6,052	216	153	195	12,000
June	3,213	160	43	107	6,370
July	771	41	16	24.9	1,530
August	248.4	14	4.3	8.01	493
September	116.1	8	2.7	3.87	230
Water year 1935-36	38,578.6	1,980	2.7	105	76,520

Chowchilla River at Buchanan dam site, Calif.

Location.- Water-stage recorder, lat. 37°13', long. 120°0', 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 1936.

Extremes.- Maximum discharge during year, 9,500 second-feet Feb. 11 (gage height, 12.15 feet), from rating curve extended above 5,000 second-feet; no flow Oct. 1.
1921-23, 1930-36: Maximum discharge, that of Feb. 11, 1936; no flow part of each year.

Remarks.- Records good except those for low stages, which are fair. Discharge Oct. 31 to Dec. 9 and July 24 to Sept. 30 was computed on basis of range of stage, records for Fresno River near Knowles, estimate of flow on Aug. 17, and temperature records. No large diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	4	8	22	387	540	349	102	45	9.5	0.4	-
2	1.5	5	8	18	3,340	488	250	98	42	9.5	.4	
3	12	8	8	22	640	442	292	93	42	9	.4	
4	6.5	6	8	26	235	400	1,360	91	63	8.5	.4	
5	4.4	6	8	22	161	365	620	86	52	8	.4	
6	3.1	6	8	21	127	339	385	81	46	7	.3	
7	2.4	6	8	18	106	322	322	77	47	6.5	.3	
8	1.9	6	8	18	93	308	301	73	45	6.5	.3	
9	1.6	6	8	161	80	294	278	70	40	9.5	.3	
10	1.2	6	8	338	73	278	256	66	37	10	.3	
11	2.8	6	8	464	2,190	259	232	63	34	10	.3	
12	3.4	6	9.5	367	2,850	236	214	60	31	10	.2	
13	3.7	6	13	115	3,010	223	202	56	29	9	.2	
14	5.5	6	14	97	2,970	214	190	53	28	7	.2	
15	7.5	6	11	84	1,770	206	180	53	29	6.5	.2	
16	12	6	10	179	2,130	197	174	53	27	5.5	.2	
17	7	9	9.5	144	1,170	194	167	51	24	4.7	.2	
18	5.5	11	9.5	85	915	182	162	48	22	4.2	.2	
19	4.7	9	9	64	795	174	156	46	20	3.8	.2	
20	4.4	8	9	54	705	166	151	45	19	3.4	.2	
21	4.2	8	8.5	48	580	166	146	45	17	2.7	.2	
22	4.2	8	8.5	42	3,350	164	154	44	16	2.3	.2	
23	3.9	8	8.5	38	3,530	151	144	41	15	2.0	.2	
24	3.4	8	8.5	36	1,940	159	133	38	13	1.8	.2	
25	3.4	8	8.5	34	1,360	209	126	35	12	1.6	.2	
26	3.4	8	8.5	31	1,020	169	119	35	12	1.4	.2	
27	3.3	8	9	29	818	154	115	36	11	1.2	.2	
28	3.2	8	10	28	682	148	111	40	11	1.0	.2	
29	3.1	8	19	27	600	142	112	52	11	.8	.2	
30	3.1	8	72	25	-	174	109	52	10	.6	.2	
31	3.5	-	31	24	-	920	-	47	-	.4	.2	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	129.9	12	0.1	4.19	258
November	212	11	4	7.07	420
December	374.5	72	8	12.1	743
Calendar year 1935	49,522.3	2,980	0	136	98,230
January	2,681	464	18	86.5	5,320
February	37,627	3,530	73	1,297	74,630
March	8,383	920	142	270	16,630
April	7,510	1,360	109	250	14,900
May	1,830	102	35	59.0	3,630
June	850	63	10	28.3	1,690
July	163.9	10	.4	5.29	325
August	7.8	.4	.2	.25	15
September	15.0	-	-	.5	30
Water year 1935-36	59,784.1	3,530	.1	163	118,600

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 1936.

Average discharge.- 21 years, 311 second-feet.

Extremes.- Maximum discharge during year, 2,380 second-feet June 25 (gage height, 5.75 feet); minimum, 7 second-feet Sept. 28.
1915-36: 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 for Aug. 2-27, which were computed on basis of range of stage and records for nearby stations and are fair. Small diversion above station for Yosemite Valley water supply.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	11	12	16	59	126	180	833	736	881	205	26
2	15	15	12	22	64	143	166	1,170	654	887	200	26
3	16	13	12	37	60	160	178	1,620	706	809	150	26
4	16	13	12	34	68	173	190	1,920	724	785	150	28
5	16	14	12	29	70	180	168	1,920	845	719	100	28
6	15	16	12	27	63	190	171	1,580	923	638	100	27
7	14	17	12	23	60	192	227	1,170	935	785	100	26
8	12	18	12	26	59	216	332	1,200	863	869	100	25
9	12	18	11	33	57	259	457	1,460	947	606	100	23
10	10	17	12	43	57	295	622	1,700	1,240	457	100	22
11	10	16	12	51	84	322	785	1,830	1,620	457	100	20
12	12	14	15	41	91	346	875	1,780	1,870	379	90	19
13	12	12	12	43	88	342	965	2,000	1,780	398	80	18
14	17	10	14	50	92	339	1,100	2,000	1,460	432	70	17
15	31	14	14	58	96	353	1,240	1,870	1,060	440	60	17
16	29	13	12	54	95	379	1,350	1,830	1,280	421	60	16
17	29	21	12	44	89	386	1,420	1,920	1,540	394	50	14
18	29	19	12	48	89	383	1,350	1,920	1,580	353	50	13
19	27	16	12	48	84	390	1,140	1,740	1,620	421	50	12
20	26	18	13	44	80	405	1,310	1,350	1,700	440	40	12
21	24	18	13	43	92	432	1,310	1,310	1,620	474	40	11
22	22	19	12	44	133	386	1,420	1,540	1,700	440	40	10
23	19	19	12	45	115	295	1,380	1,740	1,780	375	40	10
24	18	18	12	46	115	262	1,350	1,920	1,920	336	40	9.5
25	16	16	12	48	124	224	1,310	1,960	2,100	312	30	8.5
26	15	15	11	48	113	203	1,420	1,740	1,580	262	30	8.5
27	14	15	12	48	110	200	1,460	1,540	1,380	242	25	8.5
28	14	14	12	51	110	188	1,240	1,460	1,280	244	24	8.5
29	14	12	15	55	113	188	998	1,200	965	239	26	8.5
30	12	12	16	48	-	190	815	911	893	205	27	8.5
31	10	-	17	52	-	188	-	869	-	203	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	535	31	10	17.3	1,060
November	463	21	10	15.4	918
December	391	17	11	12.6	776
Calendar year 1935	142,496	2,470	10	390	282,600
January	1,299	58	16	41.9	2,580
February	2,530	133	57	87.2	5,020
March	8,335	432	126	269	16,530
April	26,929	1,460	166	898	53,410
May	49,003	2,000	833	1,581	97,200
June	39,303	2,100	654	1,310	77,960
July	14,903	887	203	481	29,560
August	2,303	205	24	74.3	4,570
September	506.5	28	8.5	16.9	1,000
Water year 1935-36	146,500.5	2,100	8.5	400	290,600

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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 1936.

Average discharge.- 19 years (1917-36), 529 second-feet.

Extremes.- Maximum discharge during year, 4,450 second-feet May 5 (gage height, 8.84 feet); minimum, 24 second-feet Sept. 30 (gage height, 1.06 feet).
1916-36: 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 except those for Dec. 2-6, which were interpolated, and those for Mar. 11 to Apr. 7 and July 19 to Aug. 27, which were computed on basis of records for nearby streams. Small diversion above station for Yosemite Valley water supply.

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

1.0	20	2.0	122	3.0	340	4.0	695	6.5	2,230
1.2	33	2.2	156	3.2	400	4.5	930	7.0	2,640
1.4	50	2.4	194	3.4	465	5.0	1,200	7.5	3,100
1.6	70	2.6	236	3.6	535	5.5	1,500	8.0	3,600
1.8	93	2.8	286	3.8	615	6.0	1,850	8.5	4,120

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	29	30	38	147	263	400	1,680	1,380	1,140	250	47
2	31	36	30	44	167	294	360	2,310	1,260	1,110	250	46
3	32	34	30	60	132	320	370	3,200	1,380	1,030	200	46
4	33	31	30	66	133	343	390	3,700	1,380	980	200	48
5	33	31	30	65	138	364	370	3,900	1,500	905	150	49
6	32	32	30	62	128	379	350	3,100	1,640	830	150	49
7	32	33	30	57	122	388	450	2,310	1,820	930	150	47
8	31	34	30	59	120	418	655	2,390	1,570	1,080	150	46
9	29	35	30	83	119	500	830	2,910	1,640	830	150	44
10	28	34	29	96	116	555	1,110	3,300	1,960	695	140	41
11	29	34	30	125	198	575	1,380	3,400	2,470	740	130	39
12	30	33	36	103	241	630	1,600	3,400	2,820	595	120	37
13	30	32	33	104	223	620	1,780	3,900	2,640	575	110	36
14	35	30	32	118	225	610	1,990	4,010	2,230	595	100	35
15	47	29	32	130	227	640	2,310	3,700	1,710	575	90	35
16	47	30	32	138	234	690	2,640	3,500	1,820	555	90	33
17	47	37	31	108	206	700	2,730	3,600	2,110	518	80	32
18	46	39	31	112	200	700	2,640	3,600	2,150	465	80	31
19	46	35	31	110	188	710	2,230	3,300	2,190	500	80	30
20	44	35	31	100	178	740	2,550	2,470	2,230	550	70	29
21	41	35	32	97	225	790	2,640	2,390	2,110	550	70	27
22	39	35	32	96	370	710	2,910	2,640	2,230	550	70	27
23	37	37	31	97	329	570	2,820	3,000	2,310	500	60	27
24	35	36	31	99	270	520	2,730	3,300	2,470	400	60	26
25	34	35	30	100	273	460	2,640	3,400	2,640	400	60	25
26	32	33	30	100	250	450	2,820	3,000	1,990	350	50	25
27	32	32	32	101	243	460	2,820	2,730	1,740	300	50	24
28	31	32	32	104	248	470	2,470	2,640	1,600	300	48	25
29	30	31	42	112	248	490	1,990	2,190	1,290	300	48	24
30	30	30	39	100	-	500	1,640	1,680	1,170	250	48	24
31	29	-	39	107	-	450	-	1,600	-	250	48	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,060	47	28	34.8	2,140
November	999	39	29	33.3	1,980
December	988	42	29	31.9	1,960
Calendar year 1935	260,258	4,670	28	713	516,200
January	2,891	138	38	93.3	5,730
February	5,898	370	116	203	11,700
March	16,309	790	263	526	32,350
April	52,615	2,910	350	1,754	104,400
May	92,250	4,010	1,600	2,976	183,000
June	57,450	2,820	1,170	1,915	114,000
July	19,348	1,140	250	624	38,380
August	3,352	250	48	108	6,650
September	1,054	49	24	35.1	2,090
Water year 1935-36	254,234	4,010	24	695	504,400

Merced River at Kittridge, Calif.

Location.- Water-stage recorder, lat. 37°39'0", long. 120°11'0", in sec. 26, T. 3 S., R. 16 E., 0.2 mile below Whites 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 1936; November 1922 to November 1928 at site 1¼ miles downstream.

Average discharge.- 10 years (1923-27, 1929-30, 1931-36), 1,008 second-feet.

Extremes.- Maximum discharge during year, 13,600 second-feet Feb. 23 (gage height, 15.38 feet); minimum, 50 second-feet Sept. 28-30.
1922-36: Maximum discharge, 23,200 second-feet Apr. 8, 1935 (gage height, 21.5 feet); minimum, 13 second-feet Oct. 5, 1925.

Remarks.- Records good except those for Oct. 1-3, Nov. 28 to Dec. 2, which were interpolated, and those for periods Dec. 27-30, May 6, which were computed on basis of range of stage and record for station at Pohono Bridge. No large diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	55	72	86	138	2,140	1,740	1,320	3,100	2,340	1,490	306	80
2	60	69	83	129	5,700	1,660	1,200	3,600	2,080	1,460	318	78
3	70	129	80	183	1,600	1,600	1,420	5,160	2,200	1,350	262	79
4	77	116	82	220	980	1,550	4,040	5,880	2,250	1,290	236	66
5	76	101	83	220	e12	1,490	2,300	6,360	2,430	1,200	220	90
6	69	98	83	197	692	1,460	1,800	5,500	2,520	1,100	206	90
7	67	96	84	169	596	1,460	1,700	4,040	3,000	1,070	194	87
8	64	98	83	153	532	1,460	1,920	4,040	2,700	1,420	181	84
9	63	101	84	943	494	1,520	2,200	4,810	2,610	1,170	174	79
10	60	101	84	1,170	460	1,660	2,610	5,280	3,000	1,020	172	75
11	67	98	83	1,930	2,560	1,700	3,000	5,640	3,500	1,050	190	71
12	94	100	98	1,240	7,440	1,740	3,400	5,280	4,040	917	186	70
13	103	96	135	652	7,200	1,700	3,600	6,000	3,820	812	169	69
14	91	92	115	692	8,800	1,660	3,930	6,240	3,400	812	153	70
15	139	85	98	692	5,520	1,660	4,370	6,000	2,610	812	143	70
16	146	85	97	1,120	6,480	1,700	4,610	5,520	2,610	792	136	70
17	123	101	92	896	4,260	1,700	5,040	5,640	2,800	712	130	69
18	112	127	91	616	2,700	1,700	5,160	5,760	3,000	636	125	66
19	102	124	90	505	2,080	1,740	4,150	5,400	2,900	636	122	64
20	98	111	85	420	1,770	1,740	4,590	4,260	3,000	712	117	61
21	95	105	85	350	1,700	1,880	4,700	3,930	2,800	712	115	59
22	91	103	82	347	7,140	1,840	5,040	4,260	2,800	692	111	58
23	90	105	82	323	10,600	1,520	5,040	4,590	2,800	620	105	58
24	86	105	85	309	5,640	1,420	4,920	5,040	3,500	532	101	55
25	84	103	98	298	3,930	1,290	4,590	5,160	3,600	505	96	54
26	82	100	110	295	3,000	1,170	4,920	4,700	2,800	445	91	52
27	78	98	120	285	2,520	1,170	5,040	4,260	2,380	369	89	51
28	76	95	130	280	2,160	1,140	4,590	4,260	2,160	374	86	50
29	76	92	160	288	1,920	1,140	3,820	3,600	1,770	368	83	50
30	76	89	150	295	-	1,290	3,200	2,900	1,560	341	82	50
31	76	-	150	272	-	2,040	-	2,520	-	304	80	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,646	146	55	85.4	5,250
November	3,015	129	72	100	5,980
December	3,069	160	80	99.0	6,090
Calendar year 1935	540,674	15,900	50	1,481	1,072,000
January	15,627	1,930	129	504	31,000
February	101,426	10,600	460	3,497	201,200
March	46,550	2,040	1,140	1,566	96,300
April	108,420	5,160	1,200	3,614	215,000
May	146,730	6,360	2,520	4,798	295,000
June	82,980	4,040	1,560	2,766	164,600
July	25,743	1,490	304	830	51,060
August	4,779	318	80	154	9,480
September	2,045	90	50	68.2	4,060
Water year 1935-36	547,030	10,600	50	1,495	1,085,000

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 1936.

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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	604.1	586.4	591.2	595.6	626.3	693.4	692.9	691.4	700.0	707.3	684.5	643.3
2	602.8	586.5	591.3	596.8	635.8	693.2	692.7	691.2	700.1	707.1	683.4	641.9
3	601.4	586.7	591.4	597.1	638.1	693.0	692.8	692.4	700.2	706.9	682.2	640.4
4	600.1	586.8	591.5	597.6	639.4	692.9	694.2	693.7	700.6	706.5	681.1	639.1
5	598.8	587.0	591.6	598.0	640.3	693.0	693.5	694.7	701.0	706.1	679.9	637.8
6	597.5	587.1	591.7	598.3	641.1	693.2	693.3	694.7	701.5	705.5	678.7	636.4
7	596.2	587.2	591.7	598.6	641.8	693.4	693.5	693.8	702.4	705.0	677.4	635.1
8	594.8	587.3	591.8	598.9	642.4	693.5	693.6	693.3	703.1	704.8	676.2	633.7
9	593.5	587.4	592.0	601.0	643.0	693.6	694.0	693.4	703.7	704.3	674.9	632.3
10	592.3	587.5	592.1	603.2	643.5	693.8	694.2	693.8	704.5	703.8	673.6	630.9
11	591.0	587.6	592.2	606.6	647.9	693.9	694.4	694.3	705.9	703.2	672.3	629.6
12	589.7	587.7	592.4	608.6	658.5	694.0	694.5	694.4	707.5	702.6	671.1	628.2
13	588.5	587.9	592.6	609.6	668.1	694.1	694.6	694.9	708.4	701.9	669.8	626.8
14	587.2	588.0	592.7	610.9	679.1	693.9	694.8	695.3	708.5	701.2	668.5	625.3
15	586.0	588.0	592.9	612.1	683.7	693.8	694.6	695.6	708.2	700.5	667.2	624.0
16	586.2	588.1	593.0	614.0	689.7	693.7	694.5	695.7	708.2	699.8	665.8	622.6
17	586.2	588.3	593.1	615.4	692.8	693.7	694.5	695.6	708.3	699.0	664.4	621.3
18	585.4	588.7	593.3	616.3	694.1	693.7	694.5	695.5	708.4	698.2	663.0	620.0
19	585.5	589.2	593.4	617.0	694.2	693.7	693.9	695.0	708.4	697.3	661.6	618.6
20	585.6	589.8	593.5	617.6	694.1	693.7	693.9	693.9	708.4	696.5	660.2	617.3
21	585.7	590.3	593.6	618.2	693.9	693.8	693.9	693.1	708.4	695.7	658.8	615.9
22	585.8	590.5	593.7	618.7	698.0	693.9	694.1	694.8	708.3	694.9	657.3	614.6
23	585.9	590.6	593.9	619.1	699.2	693.7	694.2	695.6	708.3	694.0	655.9	613.2
24	586.0	590.7	594.0	619.6	696.8	693.5	694.2	696.8	708.6	693.1	654.4	611.9
25	586.0	590.9	594.1	620.0	695.3	693.3	694.0	698.1	708.7	692.1	652.9	610.5
26	586.1	591.0	594.2	620.4	693.9	693.0	694.1	699.0	708.4	691.1	651.5	609.1
27	586.2	591.1	594.3	620.9	693.5	692.7	694.3	699.5	708.2	690.0	650.1	607.7
28	586.2	591.2	594.5	621.2	693.5	692.4	694.0	700.0	708.0	689.0	648.7	606.3
29	586.3	591.3	594.8	621.6	693.6	692.2	693.4	700.0	707.7	687.9	647.3	604.9
30	586.3	591.3	595.2	622.0	-	692.2	692.4	700.0	707.4	686.8	646.0	603.5
31	586.4	-	595.4	622.3	-	692.7	-	700.0	-	685.6	644.8	-

Merced River at Exchequer, Calif.

Location.- Water-stage recorder, lat. 37°35'0", long. 120°17'0", 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.- 1,035 square miles (revised).

Records available.- October 1922 to September 1936; November 1915 to October 1922 at site 1 mile upstream.

Average discharge.- 20 years (1916-36), 1,086 second-feet; affected by storage in Lake McClure since Apr. 20, 1926.

Extremes.- Maximum discharge during year, 14,000 second-feet Feb. 23 (gage height, 12.96 feet); minimum, 7 second-feet Feb. 6.
1915-36: Maximum discharge, about 22,000 second-feet Jan. 17, 1916 (gage height, 20.0 feet, former site and datum); minimum, 5 second-feet Jan. 5, 1935.

Remarks.- Records good. No large diversions. See record for Lake McClure, which stores water above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	900	42	93	65	49	2,090	1,520	4,280	2,170	1,690	1,580	1,300
2	900	40	53	34	42	2,010	1,520	3,700	2,050	1,660	1,580	1,270
3	845	40	44	34	36	1,970	1,520	3,590	1,970	1,730	1,580	1,270
4	845	39	44	34	38	1,660	3,060	4,520	1,810	1,730	1,580	1,240
5	762	39	44	31	33	1,520	3,280	5,400	1,810	1,730	1,580	1,200
6	762	39	44	31	32	1,250	2,010	5,800	1,810	1,730	1,580	1,160
7	762	39	45	31	36	1,320	1,660	5,270	1,810	1,730	1,580	1,160
8	762	39	45	31	34	1,360	1,690	4,760	1,810	1,730	1,550	1,130
9	735	39	43	31	34	1,420	1,850	4,640	1,810	1,730	1,550	1,130
10	710	39	38	32	34	1,490	2,250	4,880	1,730	1,730	1,550	1,130
11	710	39	37	30	34	1,580	2,790	5,140	1,660	1,690	1,550	1,100
12	710	39	37	26	23	1,640	3,180	5,400	1,730	1,690	1,550	1,100
13	710	39	36	27	45	1,680	3,380	5,660	2,610	1,690	1,550	1,100
14	710	39	36	25	125	1,890	3,700	5,940	3,180	1,660	1,550	1,060
15	710	39	36	28	1,230	1,810	4,520	5,940	2,880	1,660	1,550	1,030
16	57	39	36	29	1,260	1,770	5,010	5,530	2,610	1,660	1,520	1,000
17	91	39	36	29	1,210	1,770	5,010	5,940	2,700	1,660	1,520	1,000
18	39	39	36	27	1,580	1,770	5,270	5,940	2,790	1,660	1,520	968
19	38	39	36	27	2,180	1,770	4,880	6,220	2,880	1,660	1,520	968
20	37	39	36	27	2,180	1,770	4,640	5,660	2,880	1,660	1,520	968
21	38	39	36	27	2,010	1,770	4,640	4,830	2,880	1,690	1,520	968
22	40	40	36	27	4,310	1,850	4,760	2,130	2,790	1,690	1,520	935
23	40	40	37	27	13,200	1,770	5,010	3,480	2,790	1,690	1,520	935
24	40	40	37	27	9,680	1,690	5,010	3,480	3,080	1,660	1,480	935
25	40	40	37	27	6,640	1,620	4,880	3,480	3,280	1,690	1,480	935
26	42	40	37	27	5,140	1,550	4,880	3,480	3,180	1,660	1,410	935
27	42	39	36	27	3,160	1,520	5,010	3,480	2,700	1,660	1,340	935
28	42	39	36	39	2,170	1,520	4,880	3,480	2,340	1,660	1,300	905
29	42	39	37	50	2,170	1,520	4,640	3,480	2,170	1,660	1,300	905
30	42	90	37	50	-	1,520	4,280	2,880	1,890	1,660	1,200	905
31	42	-	75	50	-	1,520	-	2,520	-	1,620	1,200	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,245	900	37	395	24,290
November	1,231	90	39	41.0	2,440
December	1,296	93	36	41.8	2,570
Calendar year 1935	556,825.5	7,540	7.5	1,526	1,104,000
January	1,007	65	25	32.5	2,000
February	58,715	13,200	23	2,025	116,500
March	51,390	2,090	1,250	1,658	101,900
April	110,730	5,270	1,520	3,691	219,600
May	140,930	6,220	2,130	4,546	279,500
June	71,800	3,280	1,660	2,393	142,400
July	52,220	1,730	1,620	1,685	103,600
August	46,330	1,580	1,200	1,495	91,890
September	31,577	1,300	905	1,053	62,630
Water year 1935-36	579,471	13,200	23	1,583	1,149,000

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 1936.

Average discharge.- 11 years (1925-36), 481 second-feet.

Extremes.- Maximum discharge during year, 9,560 second-feet Feb. 24 (gage height, 19.24 feet); minimum, 103 second-feet Dec. 28.
1922-24, 1925-36: Maximum discharge, that of Feb. 24, 1936; 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	174	130	157	171	136	2,420	1,820	3,050	1,300	538	218	175
2	208	130	142	149	423	2,280	1,740	3,000	985	405	218	186
3	230	131	136	142	554	2,240	1,740	2,510	860	334	218	180
4	248	133	136	136	270	1,900	1,780	2,510	770	324	204	198
5	257	133	133	131	210	1,820	3,130	3,160	672	314	186	204
6	239	134	131	130	187	1,620	3,060	3,940	616	305	180	204
7	225	133	122	130	174	1,480	2,020	4,180	630	287	175	211
8	215	133	119	128	164	1,510	1,700	3,760	616	287	170	211
9	226	131	119	136	157	1,510	1,740	3,340	563	278	175	211
10	218	131	118	139	151	1,540	1,700	3,160	550	278	186	204
11	213	133	115	147	154	1,580	2,020	3,280	474	270	175	198
12	220	133	113	157	1,140	1,660	2,380	3,580	391	287	175	225
13	225	133	115	188	1,660	1,700	2,750	3,700	380	262	175	239
14	227	133	113	177	3,510	1,780	2,900	3,940	1,100	239	186	246
15	228	131	113	196	1,940	1,900	3,160	4,180	1,660	225	192	246
16	295	134	112	206	2,100	1,860	3,940	4,560	1,440	225	198	246
17	315	147	110	208	2,750	1,820	4,300	4,880	1,160	232	211	232
18	239	155	108	191	1,820	1,820	4,360	4,360	1,230	246	211	232
19	189	147	106	171	2,150	1,780	4,500	4,300	1,340	232	211	218
20	166	145	106	160	2,330	1,820	4,240	4,430	1,370	254	225	218
21	155	141	106	157	2,280	1,820	3,940	3,940	1,440	198	254	239
22	147	137	106	150	2,280	1,740	3,820	3,030	1,400	186	246	218
23	141	136	105	144	5,160	1,860	3,880	1,510	1,300	186	270	211
24	139	134	105	141	9,000	1,700	3,940	2,060	1,260	192	270	204
25	139	133	105	139	8,360	1,440	3,940	2,020	1,510	180	246	204
26	134	131	105	136	6,860	1,400	3,820	1,980	1,620	192	254	198
27	131	128	106	136	5,470	1,260	3,700	1,980	1,510	218	239	211
28	130	124	103	142	3,520	1,160	3,760	2,020	1,200	198	204	218
29	126	124	125	170	2,510	1,340	3,640	2,060	920	204	198	211
30	126	128	131	150	-	1,440	3,340	2,020	714	204	211	218
31	128	-	130	140	-	1,700	-	1,580	-	204	211	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,055	315	126	195	12,010
November	4,026	155	124	134	7,990
December	3,651	157	103	118	7,240
Calendar year 1935	374,402	5,540	103	1,026	742,600
January	4,798	208	128	155	9,520
February	67,420	9,000	136	2,325	133,700
March	52,900	2,420	1,160	1,706	104,900
April	92,760	4,500	1,700	3,092	184,000
May	98,020	4,880	1,510	3,162	194,400
June	30,981	1,660	380	1,033	61,450
July	7,984	538	180	258	15,840
August	6,492	270	170	209	12,880
September	6,416	246	175	214	12,730
Water year 1935-36	381,503	9,000	103	1,042	756,700

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 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 1936.

Average discharge.- 23 years (1913-36), 100 second-feet.

Extremes.- Maximum discharge during year, 1,110 second-feet May 14 (gage height, 5.33 feet); minimum, 1.4 second-feet Oct. 1.
1904-9, 1912-36: Maximum discharge, 1,730 second-feet May 28, 1919 (gage height, 7.05 feet); minimum, 0.6 second-foot Dec. 18-22, 1929.

Remarks.- Records good except those for Oct. 1-8 and Aug. 17-28, which were computed on basis of meteorological records and comparison with records for stations on Merced River. No diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	1.7	2.1	2.6	30	58	108	310	261	129	12	2.6
2	1.6	2.3	2.1	2.6	33	61	96	472	234	115	10	2.6
3	1.8	2.2	2.0	5	30	65	92	666	279	104	9	2.8
4	1.7	2.1	2.0	7	31	67	89	767	279	94	6	2.8
5	1.7	2.0	2.0	9.5	32	68	83	788	292	83	4.5	2.8
6	1.7	2.0	2.0	10	30	66	83	646	300	75	4.8	2.8
7	1.7	2.0	2.0	10	28	69	99	465	356	83	5	2.6
8	1.7	2.0	2.0	9.5	26	73	126	501	316	90	5	2.6
9	1.7	2.0	2.0	14	26	88	160	588	350	92	5	2.5
10	1.6	1.9	2.0	17	25	96	222	666	413	87	5	2.5
11	1.6	2.0	2.0	28	44	99	279	666	490	99	5	2.5
12	1.7	2.0	2.5	30	50	106	322	686	520	75	4.6	2.5
13	1.7	2.0	2.2	27	49	104	356	788	483	63	4.5	2.5
14	2.0	2.0	2.2	29	50	101	406	851	396	56	4.3	2.5
15	2.1	2.0	2.2	34	54	104	472	809	337	48	4.1	2.5
16	2.0	2.0	2.2	36	56	112	527	746	334	43	3.9	2.4
17	1.9	2.2	2.1	31	50	116	550	767	340	38	3.8	2.4
18	1.7	2.1	2.1	29	46	114	520	767	346	34	3.7	2.4
19	1.7	2.1	2.1	28	42	122	465	666	346	30	3.6	2.2
20	1.7	2.1	2.1	26	39	126	516	520	340	28	3.5	2.2
21	1.7	2.0	2.1	23	53	135	546	520	325	28	3.4	2.2
22	1.7	2.0	2.1	22	88	127	607	569	322	26	3.3	2.2
23	1.7	2.0	2.1	21	79	113	569	646	356	24	3.2	2.2
24	1.7	2.0	2.1	21	68	113	588	686	366	22	3.1	2.2
25	1.7	2.0	2.2	21	64	108	569	686	319	20	3.0	2.2
26	1.7	2.0	2.2	21	57	120	588	626	263	18	2.9	2.2
27	1.7	2.0	2.2	21	54	131	569	588	232	17	2.8	2.2
28	1.7	2.1	2.3	21	53	148	472	569	201	16	2.7	2.2
29	1.7	2.1	2.3	24	55	167	372	476	172	14	2.6	2.2
30	1.7	2.1	2.9	22	-	176	300	343	149	13	2.6	2.1
31	1.7	-	2.6	21	-	135	-	325	-	14	2.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	53.4	2.1	1.4	1.72	106
November	61.0	2.3	1.7	2.03	121
December	67.0	2.9	2.0	2.16	133
Calendar year 1935	47,585.1	977	1.2	130	94,380
January	623.2	36	2.6	20.1	1,240
February	1,342	88	25	46.3	2,660
March	3,290	176	58	106	6,530
April	10,751	607	83	358	21,320
May	19,169	851	310	618	38,020
June	9,717	520	149	324	19,270
July	1,678	129	13	54.1	3,330
August	139.5	12	2.6	4.50	277
September	72.6	2.8	2.1	2.42	144
Water year 1935-36	46,963.7	851	1.4	128	93,150

Orestimba Creek near Newman, Calif.

Location.- Water-stage recorder, lat. 37°19'9", long. 121°7'14", 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 1936.

Extremes.- Maximum discharge during year, 1,200 second-feet Feb. 13 (gage height, 3.45 feet); no flow for several months.
1932-36: Maximum discharge, 3,440 second-feet Feb. 8, 1932 (gage height, 5.15 feet); no flow for several months each year.

Remarks.- Records good. No large diversions.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 21 to Apr. 3)

0.45	0	1.0	7	2.0	192
.5	0.1	1.1	14	2.2	268
.6	.2	1.2	23	2.4	360
.7	.6	1.4	46	2.6	465
.8	1.5	1.6	78	2.8	600
.9	3.2	1.8	126	3.0	770

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					0	37	10	0.2				
2					0	31	5	.2				
3					0	27	6	.2				
4					0	23	86	.1				
5					0	18	43	0				
6					0	16	24	0				
7					0	14	15	0				
8					0	13	11	0				
9					0	11	7.5	0				
10					0	9	6	0				
11					0	7.5	4.7	0				
12					281	7	3.6	0				
13					630	6	3.0	0				
14					228	6	2.5	0				
15					361	5.5	2.2	0				
16					312	5	1.7	0				
17					142	5	1.4	0				
18					229	4.7	1.1	0				
19					182	4.0	.9	0				
20					97	3.6	.6	0				
21					93	3.6	.6	0				
22					507	4.0	.5	0				
23					390	3.0	.4	0				
24					224	6	.4	0				
25					172	6.5	.4	0				
26					110	4.7	.4	0				
27					78	3.6	.4	0				
28					58	3.2	.4	0				
29					45	3.2	.3	0				
30					-	7	.3	0				
31					-	17	-	0				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	1,922.9	634	0	5.27	3,820
January	0	0	0	0	0
February	4,139	630	0	143	8,210
March	315.1	37	3.0	10.2	625
April	239.3	86	.3	7.98	475
May	.7	.2	0	.02	1.4
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	4,694.1	630	0	12.8	9,310

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 1936 (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 is 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. At Moccasin Creek diversion dam water again enters Hetch Hetchy Aqueduct and is discharged into Crystal Springs Reservoir, which supplies city of San Francisco. Surplus water is wasted into Don Pedro Reservoir at Red Mountain Bar. Table shows total contents, all of which is available for release. Staff gage read to tenths daily Dec. 3, 1935, to Sept. 30, 1936; recorder removed while dam was being raised.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	136,880	105,180	75,160	45,660	31,680	44,960	32,190	120,030	188,830	202,370	202,680	174,700
2	135,940	104,170	74,100	44,780	32,700	45,220	31,260	122,200	187,010	202,520	202,210	173,520
3	134,860	103,050	73,330	44,160	33,040	45,480	30,350	127,200	186,700	202,520	201,580	172,480
4	133,920	102,040	72,470	43,550	33,210	45,480	29,950	134,320	188,530	202,520	200,940	171,300
5	132,970	101,140	71,510	42,840	33,040	45,660	29,870	142,820	190,670	202,370	200,470	170,120
6	131,930	100,250	70,550	42,140	32,700	46,010	29,460	150,960	193,520	202,520	199,840	169,080
7	130,910	99,350	69,490	41,350	32,190	46,100	29,220	156,560	197,630	204,100	198,890	168,190
8	129,880	98,460	68,530	40,560	31,600	46,100	29,220	159,920	198,570	204,420	198,260	167,160
9	128,860	97,560	67,570	39,850	31,000	46,360	29,700	163,900	199,050	203,000	197,310	165,970
10	127,840	96,480	66,620	39,760	30,510	47,070	30,840	169,820	199,520	202,370	196,520	164,940
11	126,430	95,640	65,760	39,680	30,190	47,770	32,440	176,370	202,210	203,470	195,890	163,750
12	125,400	94,690	64,810	39,680	31,680	46,980	34,480	181,840	203,470	203,950	195,730	162,570
13	124,250	93,740	63,960	39,420	33,210	45,480	37,380	185,180	203,310	204,420	194,620	161,380
14	123,100	92,700	62,910	39,160	34,320	43,810	41,000	188,680	200,470	204,580	193,830	160,200
15	122,330	91,640	61,860	39,160	35,420	42,490	45,130	190,520	197,780	205,370	192,730	159,080
16	121,440	90,600	60,820	39,080	36,270	41,440	49,940	189,440	200,470	204,580	191,150	158,100
17	120,280	89,650	59,960	39,080	37,200	40,290	55,310	189,290	201,260	204,420	190,670	157,120
18	119,550	88,700	59,020	38,820	37,720	40,030	61,390	189,900	204,100	204,580	189,740	156,000
19	118,610	87,550	58,060	38,400	37,880	40,030	66,520	190,360	203,470	204,740	188,830	154,880
20	117,680	86,300	57,130	37,880	37,880	40,200	70,550	188,380	203,790	204,740	187,920	153,620
21	116,740	85,200	56,220	37,380	37,880	40,200	75,440	186,400	202,050	204,740	187,010	152,500
22	115,690	84,100	55,220	36,780	39,240	40,290	80,700	187,160	200,310	204,740	185,940	151,380
23	114,640	83,000	54,490	36,360	42,400	40,120	86,500	189,900	201,730	204,580	184,730	150,260
24	113,580	82,000	53,490	35,930	43,990	39,500	91,960	194,150	203,630	204,580	183,660	149,280
25	112,530	80,900	52,400	35,500	44,520	38,740	97,000	197,150	204,420	204,420	182,600	148,160
26	111,590	80,000	51,390	35,000	44,870	37,880	102,040	199,050	203,470	204,420	181,990	147,040
27	110,310	79,100	50,300	34,400	45,130	37,040	107,300	197,630	203,950	204,260	180,620	145,800
28	109,250	78,100	49,210	33,800	45,040	36,020	112,180	197,780	203,000	204,100	179,860	144,580
29	108,200	77,100	48,210	33,300	45,040	35,000	115,920	197,470	202,210	203,950	178,190	143,500
30	107,190	76,120	47,420	32,780	-	33,980	118,380	194,940	202,210	203,630	176,980	142,420
31	106,180	-	46,630	32,280	-	33,120	-	191,310	-	203,160	175,760	-

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 1936.

Average discharge.- 21 years (1915-36), 902 second-feet.

Extremes.- Maximum discharge during year, 7,570 second-feet June 13 (gage height, 12.03 feet); minimum, 13 second-feet Aug. 4.
1915-36: 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 1935-36 (gage height, in feet, and discharge, in second-feet)

2.8	134	6.0	730
3.2	182	7.0	1,090
3.6	236	8.0	1,640
4.0	296	9.0	2,440
4.5	362	10.0	3,570
5.0	480	11.0	5,290
5.5	590	12.0	7,570

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	552	578	552	530	500	552	990	1,010	3,050	2,630	670	615
2	552	615	510	520	250	565	970	1,010	2,530	2,630	655	628
3	552	578	510	530	337	602	878	1,030	1,390	2,630	578	628
4	578	530	540	520	410	628	745	1,030	1,130	2,400	503	628
5	590	530	552	540	520	640	745	1,050	1,160	2,010	602	655
6	578	540	565	520	552	670	730	889	1,160	1,540	615	578
7	578	565	578	520	552	670	730	1,070	2,270	1,530	640	552
8	590	565	552	530	552	640	730	1,090	2,830	3,170	655	578
9	602	578	530	500	520	640	730	1,090	2,730	2,300	640	602
10	602	565	530	510	500	655	745	1,230	3,170	1,320	590	615
11	602	540	540	510	470	1,060	878	1,890	4,710	930	578	628
12	602	540	530	500	287	1,850	860	3,570	6,350	1,110	590	628
13	590	578	552	510	229	1,780	760	4,350	7,310	1,070	628	590
14	578	590	578	500	135	1,710	790	5,090	7,070	1,230	655	565
15	552	590	552	490	243	1,600	808	5,910	3,050	1,160	700	602
16	530	578	540	480	208	1,540	842	5,910	3,050	1,070	655	590
17	530	552	530	490	188	1,260	878	5,690	4,030	990	602	590
18	540	628	530	510	355	1,050	895	5,690	5,490	825	602	602
19	552	715	552	510	450	1,050	912	5,690	4,350	895	590	615
20	552	700	578	500	440	1,050	930	4,890	6,130	990	602	615
21	565	700	565	510	420	1,050	930	3,570	6,590	930	655	565
22	578	730	540	510	304	1,050	695	3,050	4,710	970	700	565
23	578	640	540	520	229	1,050	912	3,050	4,530	860	628	615
24	578	590	565	540	364	1,050	930	3,870	4,530	760	590	628
25	590	590	540	530	450	1,050	950	4,710	5,690	655	590	628
26	602	552	552	530	391	1,030	950	5,690	4,030	602	590	615
27	590	552	565	530	602	1,030	970	5,090	4,530	590	615	590
28	530	565	552	520	628	1,010	990	4,530	4,190	602	640	578
29	552	552	520	520	628	1,010	990	4,530	2,930	615	685	590
30	565	565	520	520	-	1,010	1,010	4,530	2,630	615	715	602
31	565	-	552	540	-	990	-	4,030	-	628	640	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	17,695	602	530	571	35,100
November	17,691	730	530	590	35,090
December	16,912	578	510	546	33,540
Calendar year 1935	399,665	8,350	229	1,095	792,600
January	15,990	540	480	516	31,720
February	11,714	628	135	404	23,230
March	31,542	1,850	552	1,017	62,560
April	26,073	1,010	730	869	51,720
May	105,829	5,910	889	3,414	209,900
June	117,320	7,310	1,130	3,911	232,700
July	40,307	3,170	590	1,300	79,950
August	19,396	715	503	626	38,480
September	18,080	655	552	603	35,860
Water year 1935-36	438,551	7,310	135	1,198	869,800

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 1936 (discontinued).

Extremes.- Maximum discharge during year, 9,900 second-feet May 16 (gage height, 10.58 feet); minimum, 9.5 second-feet Oct. 1.
1907-36: Maximum discharge, 27,200 second-feet Jan. 14, 1909 (gage height, 14.0 feet); minimum, 3.0 second-feet Sept. 23, 1934.

Remarks.- Records good except those for Feb. 23 to May 3, May 6-10, June 1-5, 9, 16, 29-30, July 1-22, which are poor. 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.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	18	27	30	1,200	1,260	1,260	2,430	3,570	2,970	36	29
2	25	45	55	48	1,740	1,300	1,220	3,120	3,120	2,830	35	18
3	33	76	28	196	400	1,340	1,380	4,480	2,310	2,760	61	18
4	18	40	21	113	279	1,380	1,560	5,300	1,810	2,690	38	25
5	13	30	22	125	234	1,340	1,180	5,300	2,020	2,250	30	30
6	12	30	25	58	197	1,240	1,140	4,480	3,390	1,880	28	39
7	11	46	29	48	179	1,340	1,340	3,260	7,160	1,170	26	30
8	11	67	36	52	155	1,430	1,610	3,190	5,580	3,260	29	22
9	12	39	61	476	156	1,560	1,660	3,810	4,480	2,430	28	18
10	15	23	48	560	148	1,660	2,190	4,310	5,020	1,560	50	17
11	19	21	30	1,290	1,210	1,760	2,620	5,110	6,350	720	36	18
12	88	21	66	392	2,370	2,900	3,040	6,550	8,020	1,070	28	19
13	40	24	39	268	1,600	2,900	3,190	8,020	8,710	840	25	21
14	41	40	36	424	2,240	2,760	3,420	8,710	8,480	1,040	23	25
15	189	38	64	376	1,360	2,620	3,810	8,940	5,390	930	29	23
16	103	29	62	535	1,550	2,620	4,140	8,940	4,480	635	41	36
17	33	67	44	276	798	2,560	4,310	8,480	5,770	750	49	26
18	30	87	30	170	610	2,080	4,310	8,480	6,550	324	38	21
19	25	158	20	145	525	2,080	3,810	8,020	6,150	327	29	18
20	18	125	32	131	520	2,130	3,970	6,950	7,160	580	22	17
21	16	107	38	119	876	2,250	4,060	5,580	7,800	480	22	25
22	15	97	28	115	6,010	2,250	4,400	5,200	6,550	480	22	26
23	33	139	21	97	4,400	1,910	4,400	5,580	5,960	391	33	17
24	23	47	20	99	2,370	1,660	4,140	6,350	6,150	257	29	17
25	18	47	24	103	1,910	1,480	3,970	7,370	6,750	177	29	31
26	18	52	30	97	1,380	1,300	3,970	7,800	5,020	51	24	25
27	40	27	31	93	1,260	1,220	3,970	7,160	5,390	54	21	18
28	50	22	39	93	1,340	1,180	3,650	6,750	5,200	47	19	17
29	21	29	76	129	1,260	1,160	2,970	6,150	3,730	50	19	17
30	20	23	52	78	-	1,380	2,430	5,580	3,040	59	19	17
31	19	-	40	66	-	1,480	-	5,110	-	42	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,019	189	10	32.9	2,020
November	1,614	158	18	53.8	3,200
December	1,174	76	20	37.9	2,330
Calendar year 1935	539,098.5	12,600	9	1,477	1,069,000
January	6,802	1,290	30	219	13,490
February	38,279	6,010	148	1,320	75,930
March	55,650	2,900	1,180	1,795	110,400
April	89,320	4,400	1,140	2,977	177,200
May	186,510	8,940	2,430	6,016	369,900
June	161,110	8,710	1,810	5,370	319,600
July	33,104	3,260	42	1,068	65,660
August	946	61	19	30.5	1,880
September	680	39	17	22.7	1,350
Water year 1935-36	576,208	8,940	10	1,574	1,143,000

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 5.5 miles above La Grange.

Records available.- October 1924 to September 1936 (gage heights only, 1924-30).

Remarks.- This is joint storage reservoir for Turlock and Modesto Irrigation Districts. Elevation of crest of dam is 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	110,800	88,200	79,000	68,500	123,900	249,900	229,800	233,900	267,600	291,200	261,800	189,400
2	108,700	87,800	77,300	68,500	134,600	245,400	228,600	234,500	267,300	290,800	259,900	188,100
3	106,700	88,000	76,400	68,600	142,600	241,000	227,500	237,400	267,000	290,500	256,900	184,000
4	104,500	87,800	75,200	69,300	145,500	236,200	229,800	242,700	267,300	290,500	254,800	181,400
5	102,200	87,700	74,100	69,500	147,400	231,200	232,400	247,500	267,000	290,500	252,900	179,000
6	101,500	87,500	73,100	69,300	148,900	226,000	231,800	252,000	267,000	290,200	250,800	176,400
7	100,700	87,500	72,800	69,300	150,100	221,700	231,000	254,100	271,000	290,200	248,400	173,600
8	100,100	88,000	72,500	69,300	151,300	216,200	230,700	253,800	274,800	289,600	246,300	171,000
9	99,800	88,700	71,500	69,600	152,300	216,500	230,700	253,800	273,500	290,500	243,900	168,400
10	99,400	88,800	71,000	75,100	152,500	221,700	231,200	254,800	272,600	289,900	241,000	166,200
11	98,900	88,500	70,800	79,600	153,500	226,300	233,300	256,900	272,600	289,900	238,900	164,400
12	98,600	88,800	70,700	90,500	167,900	232,100	233,600	260,800	275,100	288,600	236,800	162,400
13	98,300	88,800	70,700	92,100	185,100	235,100	234,200	266,400	277,000	288,000	234,800	159,900
14	97,600	89,000	70,600	95,600	211,100	235,100	236,200	268,600	278,200	287,000	232,800	157,200
15	97,200	89,000	70,100	101,300	230,100	234,800	237,700	269,500	277,300	286,700	230,700	155,200
16	96,800	89,500	69,600	104,900	239,500	233,900	238,600	269,500	273,500	286,700	228,000	153,000
17	96,600	89,500	69,500	111,000	246,900	233,300	239,800	268,900	274,200	285,800	225,100	150,800
18	96,500	89,000	69,300	113,500	245,100	231,800	241,900	269,500	274,800	285,100	223,100	148,900
19	96,100	88,800	69,000	114,500	241,000	230,700	240,700	270,400	277,600	283,900	220,500	146,500
20	95,700	88,000	68,600	115,600	236,500	231,500	238,000	270,700	277,300	282,000	218,500	144,300
21	94,300	87,800	68,500	117,100	231,500	231,800	238,600	269,800	278,500	280,700	216,500	141,500
22	94,000	87,400	68,500	117,900	232,100	233,300	239,200	268,900	279,200	279,500	214,200	139,300
23	93,100	87,200	68,400	119,000	258,700	233,600	240,700	268,900	277,300	278,500	211,900	137,900
24	92,600	86,500	68,200	120,100	267,600	233,600	242,200	268,900	282,000	277,300	208,800	136,000
25	92,200	85,600	68,100	120,800	264,500	233,300	242,400	269,800	286,700	276,000	206,600	134,400
26	91,500	84,500	68,000	121,700	263,900	232,100	242,400	270,700	290,500	274,200	204,000	132,800
27	90,900	83,400	68,000	121,900	261,400	233,300	242,200	270,400	290,200	271,700	202,100	130,900
28	89,200	82,600	68,000	122,100	258,700	232,400	242,200	270,100	290,800	269,800	199,500	128,600
29	89,000	81,400	68,100	122,300	254,800	230,700	241,000	269,800	288,900	268,600	197,100	127,000
30	88,800	80,200	68,100	122,800	-	228,600	238,000	269,500	290,800	265,800	194,600	125,200
31	88,200	-	68,400	123,400	-	230,100	-	268,900	-	263,900	192,100	-

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.

Records available.- March 1915 to September 1936; 1895 to 1917, staff gage at La Grange Dam.

Average discharge.- 20 years (1916-36), 2,083 second-feet; 41 years (1895-1936), including 1895-1916 record of combined flow of river and canals, 2,519 second-feet.

Extremes.- Maximum discharge during year, 10,900 second-feet May 16 (gage height, 15.3 feet); minimum, 69 second-feet Jan. 13.

1915-36: 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.

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

5.7	285	7.5	1,380	9.5	2,980	13.0	7,250
6.0	420	8.0	1,740	10.0	3,450	14.0	8,780
6.5	710	8.5	2,140	11.0	4,520	15.0	10,380
7.0	1,030	9.0	2,540	12.0	5,800		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,840	816	1,350	592	916	5,800	3,450	4,470	5,260	3,550	1,750	1,950
2	1,780	772	1,410	828	802	5,800	3,450	3,550	4,180	3,850	1,700	1,890
3	1,920	740	1,420	1,010	866	5,800	3,450	3,550	3,450	3,650	1,760	1,900
4	1,920	783	1,400	1,000	838	5,660	3,450	4,400	3,160	3,450	1,800	1,930
5	1,100	784	1,440	896	852	5,660	3,350	4,880	3,070	2,980	1,780	1,920
6	978	763	1,040	990	863	5,660	3,450	4,760	3,160	2,800	1,800	1,880
7	1,020	755	1,010	1,020	867	5,660	3,450	4,880	5,390	2,380	1,810	1,930
8	1,030	758	958	994	829	4,440	3,350	4,880	7,250	2,710	1,810	1,930
9	1,010	767	1,060	972	761	887	3,450	4,760	6,360	3,750	1,710	1,720
10	1,030	699	1,030	941	856	920	3,450	4,760	6,080	2,710	1,780	1,690
11	1,020	721	1,000	930	952	932	4,070	4,760	6,220	2,020	1,800	1,700
12	1,030	768	976	790	905	2,300	4,520	5,000	7,700	1,900	1,790	1,700
13	1,020	755	976	796	931	4,070	4,640	7,700	8,620	1,980	1,780	1,640
14	1,030	788	998	760	886	4,640	4,640	9,580	9,260	1,980	1,780	1,670
15	1,030	796	910	735	1,340	4,520	5,390	10,400	8,460	1,940	1,780	1,700
16	1,030	877	977	720	3,620	4,640	5,800	10,400	5,800	1,740	1,740	1,710
17	1,020	800	998	744	5,800	4,520	5,940	9,100	5,800	1,740	1,780	1,710
18	1,030	1,110	996	765	5,800	4,640	6,360	8,940	6,220	1,740	1,800	1,720
19	1,030	1,150	944	724	5,800	4,520	6,950	8,940	6,950	1,660	1,780	1,740
20	978	1,140	934	700	5,660	2,540	6,360	8,460	7,250	1,740	1,770	1,670
21	1,060	1,160	932	726	5,800	3,450	5,940	[illegible],400	7,700	1,750	1,760	1,740
22	1,030	1,130	861	701	5,800	3,350	5,800	6,360	7,850	1,760	1,800	1,490
23	1,060	1,240	948	700	6,650	3,450	5,800	6,360	5,390	1,760	1,730	1,450
24	1,060	1,150	952	703	8,940	3,450	5,940	6,650	4,290	1,790	1,820	1,480
25	1,060	1,360	820	721	7,550	3,450	5,940	7,850	4,760	1,750	1,860	1,470
26	1,060	1,360	862	657	6,220	2,620	5,800	8,460	6,360	1,680	1,870	1,490
27	991	1,410	860	880	5,800	2,540	5,940	8,460	5,130	1,740	1,860	1,420
28	1,060	1,340	896	866	5,800	3,450	5,940	7,850	6,360	1,740	1,910	1,520
29	1,060	1,390	824	842	5,800	3,350	5,800	7,250	4,760	1,770	1,900	1,490
30	1,020	1,420	920	852	-	3,450	5,940	6,800	3,070	1,760	1,840	1,600
31	1,010	-	942	868	-	3,450	-	6,220	-	1,780	1,930	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	35,317	1,920	978	1,139	70,050
November	29,502	1,420	699	983	58,520
December	31,644	1,440	820	1,021	62,760
Calendar year 1935	973,056	16,800	412	2,666	1,930,000
January	25,423	1,020	592	820	50,430
February	98,504	8,940	761	3,397	195,400
March	119,619	5,800	887	3,859	237,300
April	147,810	6,950	3,350	4,927	293,200
May	207,830	10,400	3,550	6,704	412,200
June	175,310	9,260	3,070	5,844	347,700
July	69,550	3,850	1,660	2,244	138,000
August	55,780	1,930	1,700	1,799	110,600
September	50,850	1,950	1,420	1,695	100,900
Water year 1935-36	1,047,139	10,400	592	2,861	2,077,000

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 1936.

Average discharge.- 20 years (1916-36), 131 second-feet.

Extremes.- Maximum discharge during year, 1,080 second-feet June 12 (gage height, 5.28 feet); practically no flow Sept. 23-30.
1915-36: 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, 1934.

Remarks.- Records excellent. No diversions.

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

0.4	0	.9	.6	1.8	17.0	2.8	144	3.8	426
.5	.01	1.0	1.2	2.0	29	3.0	190	4.0	494
.6	.02	1.2	2.8	2.2	47	3.2	244	4.4	647
.7	.1	1.4	5.3	2.4	71	3.4	300	4.8	820
.8	.2	1.6	9.5	2.6	104	3.6	362	5.2	1,020

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	2.1	8	17	78	102	74	255	258	391	25	1.1
2	.7	3.8	7.5	40	61	108	77	375	224	397	22	1.0
3	2.1	6	7	35	57	114	78	668	321	381	21	1.1
4	2.5	6.5	7	60	59	115	72	844	306	368	18	1.4
5	2.4	9	7	39	58	114	71	867	352	336	16	1.3
6	2.2	12	6.5	30	52	117	84	775	512	289	15	1.2
7	1.8	14	6.5	24	48	127	117	463	754	292	13	1.1
8	1.6	15	7	23	45	146	148	420	512	333	12	1.1
9	1.3	13	7	58	45	168	193	530	530	300	11	1.0
10	1.1	12	6.5	134	42	176	258	668	647	244	10	.8
11	1.1	9.5	7	114	147	185	315	754	775	216	14	.7
12	3.6	8	9	62	86	195	375	710	965	178	13	.5
13	2.3	7	12	57	68	193	467	844	891	166	11	.4
14	7	6	10	97	66	198	549	940	867	159	9	.3
15	17	5.5	10	90	64	195	568	891	626	151	8	.2
16	15	5	10	76	63	188	626	775	626	131	7	.2
17	13	15	9	58	59	198	668	754	689	114	6.5	.2
18	11	17	9	52	56	208	689	798	775	97	5.5	.1
19	9	18	8	46	55	211	647	775	775	90	5	.1
20	8.5	16	8	45	55	222	606	512	798	86	4.5	.1
21	8	15	8	44	166	241	626	453	754	95	4.1	.1
22	7	15	8	43	255	206	710	530	775	86	3.6	.1
23	5.5	16	8	45	131	153	668	668	732	72	3.2	0
24	4.4	15	7	48	97	121	668	775	710	68	2.8	0
25	4.0	12	7	50	82	104	626	867	710	61	2.5	0
26	3.5	10	7	48	80	93	626	820	626	50	2.3	0
27	3.0	9.5	9	47	78	83	606	626	606	43	2.0	0
28	2.7	8.5	11	55	83	77	530	754	587	38	1.7	0
29	2.5	8	19	54	91	76	388	494	463	34	1.6	0
30	2.4	8	17	43	-	83	275	336	400	31	1.5	0
31	2.2	-	17	39	-	77	-	294	-	27	1.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	148.5	17	0.1	4.79	295
November	317.4	18	2.1	10.6	630
December	280.0	19	6.5	9.03	555
Calendar year 1935	61,592.5	1,020	.1	169	122,200
January	1,673	134	17	54.0	3,320
February	2,327	255	42	80.2	4,620
March	4,594	241	76	148	9,110
April	12,405	710	71	414	24,600
May	20,235	940	255	653	40,140
June	18,566	965	224	619	36,830
July	5,324	397	27	172	10,560
August	273.1	25	1.3	8.81	542
September	14.1	1.4	0	.47	28
Water year 1935-36	66,157.1	965	0	181	131,200

Cherry Creek near Hetch Hetchy, Calif.

Location.- Water-stage recorder, lat. 38°0', 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 7½ miles northwest of Hetch Hetchy. Altitude, about 4,800 feet.

Drainage area.- 111 square miles.

Records available.- April 1910 to September 1936.

Average discharge.- 26 years, 349 second-feet.

Extremes.- Maximum discharge during year, 5,400 second-feet June 7 (gage height, 10.70 feet); minimum, 5.5 second-feet Oct. 1 (gage height, 1.09 feet).
1910-36: Maximum discharge, about 7,750 second-feet June 16, 1929 (gage height, 13.57 feet); no flow Sept. 6-12, 1910.

Remarks.- Records excellent. No diversions above station. Release from small reservoirs increases normal summer flow.

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

1.0	3.3	2.6	248	5.4	1,500
1.2	8.5	2.8	322	5.8	1,730
1.4	17.0	3.0	400	6.2	1,970
1.6	31	3.4	560	6.6	2,225
1.8	52	3.8	720	7.0	2,500
2.0	80	4.2	900	7.4	2,790
2.2	124	4.6	1,080	7.8	3,090
2.4	182	5.0	1,280	8.2	3,400

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	12	29	60	283	280	198	720	504	640	23	8
2	49	24	28	145	259	307	204	1,260	448	640	21	8
3	19	48	29	149	155	326	204	2,100	810	584	19	8
4	11	55	27	192	164	333	182	2,360	620	564	16	14
5	10	58	26	114	132	330	188	2,360	700	520	16	36
6	9	76	25	80	112	341	231	1,670	2,180	432	14	15
7	8	96	31	65	110	364	349	990	3,260	436	13	11
8	7.5	88	33	64	110	408	480	1,130	1,200	448	12	9
9	7.5	66	31	214	112	488	600	1,470	1,180	368	12	8
10	7.5	51	29	472	112	500	742	1,730	1,360	295	12	7.5
11	49	42	28	636	524	512	878	1,790	1,670	266	12	7.5
12	116	34	43	231	307	532	990	1,790	1,850	224	12	7.5
13	29	29	55	185	221	524	1,100	2,290	1,670	214	12	7.5
14	116	24	60	266	224	504	1,200	2,570	1,530	198	11	7.5
15	214	24	52	262	241	512	1,310	2,100	1,160	182	11	7.5
16	100	23	45	273	214	536	1,500	1,850	1,180	158	10	7.5
17	82	103	41	161	164	556	1,610	1,790	1,280	138	9	7.5
18	68	107	37	141	158	572	1,530	1,850	1,440	112	9	7.5
19	51	80	34	132	149	576	1,340	1,560	1,420	100	8.5	7
20	38	72	33	122	152	620	1,440	1,040	1,390	94	8.5	7
21	29	66	30	122	507	640	1,470	1,100	1,310	92	8	7
22	24	80	34	124	1,790	568	1,790	1,310	1,310	90	8	7
23	19	82	33	130	540	384	1,610	1,610	1,310	78	8	7
24	16	55	29	138	303	299	1,530	1,850	1,280	68	8	7
25	15	46	29	141	252	245	1,420	1,970	1,130	60	7.5	6.5
26	14	38	28	130	224	214	1,440	1,670	990	51	8	6.5
27	13	37	41	124	221	211	1,420	1,420	990	44	8	6.5
28	13	34	46	158	228	211	1,180	1,440	922	37	8	6.5
29	12	33	72	141	248	217	810	922	700	35	8	7
30	13	31	65	107	-	241	640	640	620	30	8	7
31	12	-	66	102	-	208	-	700	-	26	8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,177.5	214	6	38.0	2,340
November	1,614	107	12	53.8	3,200
December	1,189	72	25	38.4	2,360
Calendar year 1935	152,491	2,500	5.5	418	302,500
January	5,381	636	60	174	10,670
February	8,216	1,790	110	283	16,300
March	12,559	640	208	405	24,910
April	29,586	1,790	182	986	58,680
May	49,052	2,570	640	1,582	97,290
June	37,414	3,260	448	1,247	74,210
July	7,224	640	26	233	14,330
August	348.5	23	7.5	11.2	691
September	266.5	36	6.5	8.88	529
Water year 1935-36	154,027.5	3,260	6	421	305,500

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 1936 (gage heights only, 1919-30).

Remarks.- This reservoir is part of Hetch Hetchy water-supply system for San Francisco. Elevation of crest of dam is 4,661.0 feet above mean sea level. Water is released down natural channel of Eleanor Creek, tributary to Cherry Creek, and discharged into Tuolumne River at Early intake. Table shows total contents, of which 1,800 acre-feet is not available for release.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20,810	15,980	13,000	7,410	17,440	25,860	25,670	26,230	26,600	28,490	28,290	24,000
2	20,630	15,810	12,840	7,350	18,220	25,860	25,580	26,320	27,160	28,580	28,290	23,810
3	20,540	15,720	12,600	7,550	18,560	25,950	25,580	26,790	27,530	28,680	28,200	23,620
4	20,450	15,550	12,360	7,760	18,830	25,950	25,670	27,070	28,100	28,680	28,000	23,440
5	20,270	15,380	12,120	8,100	19,190	25,860	25,580	27,160	28,390	28,780	27,910	23,250
6	20,000	15,290	11,880	8,240	19,370	25,950	25,580	26,970	28,390	28,680	27,810	23,070
7	19,820	15,210	11,640	8,240	19,550	25,950	25,670	26,600	28,580	28,680	27,620	22,890
8	19,550	15,120	11,400	8,170	19,730	25,950	25,860	26,510	28,290	28,580	27,530	22,710
9	19,370	15,120	11,170	8,510	19,910	26,040	25,950	26,600	28,000	28,580	27,440	22,530
10	19,190	15,030	11,010	9,270	20,090	26,140	26,230	26,790	28,100	28,580	27,250	22,350
11	18,920	14,860	10,690	10,370	20,630	26,140	26,420	26,880	28,290	28,580	27,070	22,080
12	18,830	14,690	10,530	11,170	21,720	26,140	26,600	26,880	28,490	28,680	26,970	21,900
13	18,740	14,520	10,370	11,640	22,350	26,140	26,690	26,970	28,490	28,580	26,880	21,620
14	18,560	14,270	10,230	12,200	22,980	26,140	26,880	27,070	28,490	28,580	26,790	21,440
15	18,650	14,110	10,100	12,840	23,530	26,140	26,880	27,070	28,390	28,680	26,600	21,260
16	18,740	13,870	9,960	13,550	24,000	26,140	27,070	26,970	28,200	28,680	26,510	21,080
17	18,740	13,790	9,750	13,950	24,370	26,140	27,070	26,880	28,100	28,780	26,320	20,810
18	18,740	13,790	9,620	14,190	24,650	26,140	27,070	26,880	28,200	28,780	26,140	20,630
19	18,650	13,870	9,410	14,430	24,830	26,140	26,790	26,790	28,390	28,780	25,950	20,450
20	18,560	13,950	9,200	14,690	25,110	26,140	26,790	26,510	28,580	28,780	25,860	20,270
21	18,390	14,030	9,000	14,950	25,480	26,140	26,880	26,320	28,680	28,780	25,670	20,090
22	18,300	14,110	8,790	15,120	26,510	26,140	26,970	26,420	28,680	28,780	25,580	19,910
23	18,050	14,190	8,580	15,380	26,790	26,040	26,970	26,510	28,680	28,780	25,480	19,730
24	17,870	14,190	8,380	15,550	26,420	25,860	26,970	26,600	28,580	28,680	25,300	19,550
25	17,620	14,110	8,170	15,810	26,140	25,760	26,880	26,690	28,490	28,680	25,110	19,280
26	17,440	14,030	7,960	15,980	25,950	25,670	26,880	26,600	28,390	28,680	24,930	19,100
27	17,180	13,870	7,760	16,150	25,860	25,580	26,790	26,420	28,390	28,580	24,740	18,830
28	16,930	13,630	7,620	16,410	25,760	25,580	26,690	26,320	28,490	28,580	24,550	18,650
29	16,670	13,470	7,550	16,670	25,760	25,580	26,510	26,230	28,490	28,580	24,460	18,480
30	16,410	13,230	7,550	16,840	-	25,580	26,230	26,040	28,490	28,490	24,370	18,300
31	16,240	-	7,480	17,010	-	25,670	-	26,040	-	28,390	24,180	-

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 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 1936; November 1909 to November 1915 at site 1 mile upstream; staff gage near same site June to October 1901.

Average discharge.- 26 years (1910-36), 211 second-feet.

Extremes.- Maximum discharge during year, 2,530 second-feet June 7 (gage height, 7.18 feet); minimum, 1.9 second-feet Nov. 22 (gage height, 1.59 feet).
1909-36: 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. Discharge for period May 6-10 based on Lake Eleanor elevation and spill. No diversions. See record for Lake Eleanor, which stores water above station.

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

1.4	0.5	2.4	32	3.4	185	5.0	850
1.6	2.0	2.6	49	3.6	235	5.5	1,150
1.8	5	2.8	72	3.8	295	6.0	1,510
2.0	11	3.0	100	4.0	365	6.5	1,910
2.2	20	3.2	137	4.5	580		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	131	146	85	37	268	253	600	34	200	37	94
2	78	96	146	85	20	292	230	705	51	148	42	100
3	56	117	151	67	18	320	250	1,090	80	148	65	100
4	66	100	151	35	18	344	271	1,360	217	182	68	90
5	66	86	148	25	18	351	232	1,430	381	202	70	66
6	65	76	148	62	16	354	218	1,220	507	195	73	100
7	96	77	148	91	18	362	244	880	1,780	158	68	100
8	100	64	146	102	16	377	320	700	970	148	49	100
9	100	67	144	75	18	421	413	770	610	151	59	100
10	100	85	146	42	18	468	535	930	508	151	78	100
11	100	100	148	6	23	486	670	1,090	548	148	78	100
12	51	117	127	3.4	24	499	820	1,030	610	142	77	100
13	66	127	129	3.8	23	508	910	1,150	640	142	76	100
14	73	125	121	5.5	24	494	1,000	1,320	645	93	70	100
15	24	137	117	4.2	22	481	1,060	1,260	590	50	49	100
16	16	148	115	4.2	28	490	1,160	1,090	535	51	60	100
17	49	103	121	3.2	34	494	1,260	1,030	463	56	86	100
18	67	22	127	7	42	512	1,260	1,000	425	58	85	100
19	77	2.0	129	17	50	517	1,090	970	354	59	85	100
20	80	2.0	135	16	65	526	1,060	760	445	59	85	100
21	96	2.0	135	16	194	562	1,120	645	463	58	75	100
22	110	1.9	135	16	871	566	1,260	635	472	56	49	98
23	119	69	135	16	1,000	463	1,260	685	512	52	57	98
24	117	68	135	16	645	377	1,180	772	553	50	85	98
25	121	96	135	16	476	309	1,090	832	512	40	85	100
26	133	119	135	16	354	265	1,090	820	421	36	85	100
27	133	135	129	16	298	238	1,060	705	298	36	85	100
28	133	146	96	16	274	228	1,000	695	295	45	80	100
29	131	146	74	16	265	228	832	625	280	56	49	100
30	131	146	85	21	-	250	640	512	241	59	52	98
31	131	-	85	41	-	289	-	183	-	53	84	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,850	133	16	91.9	5,650
November	2,712.9	148	1.9	90.4	5,380
December	4,026	151	74	130	7,990
Calendar year 1935	100,024.1	1,430	.7	274	198,400
January	945.3	102	3.2	30.5	1,870
February	4,913	1,000	18	169	9,740
March	12,339	566	228	398	24,470
April	23,808	1,260	216	794	47,220
May	27,494	1,430	183	887	54,530
June	14,440	1,780	34	481	28,640
July	3,082	202	36	99.4	6,110
August	2,146	86	37	69.2	4,260
September	2,942	100	66	98.1	5,840
Water year 1935-36	101,698.2	1,780	1.9	278	201,700

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South Fork of Tuolumne River near Oakland Recreation Camp, Calif.

Location.- Water-stage recorder, lat. 37°49', long. 120°0', 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 1936.

Average discharge.- 13 years, 64.8 second-feet.

Extremes.- Maximum discharge during year, 1,230 second-feet Feb. 22 (gage height, 5.53 feet); minimum, 6 second-feet Dec. 19.
1923-36: Maximum discharge, 1,960 second-feet Apr. 8, 1935 (gage height, 7.07 feet); minimum, 0.3 second-foot Aug. 23, 1934.

Remarks.- Records good. Discharge for period of ice effect, Dec. 14-24, computed on basis of one discharge measurement and weather records. No diversions.

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

1.0	7.3	2.0	43	3.0	160
1.2	10.8	2.2	60	3.5	310
1.4	15.5	2.4	83	4.0	490
1.6	21	2.6	110	4.5	705
1.8	30	2.8	142	5.0	940

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.5	12	12	17	302	202	147	247	127	43	17	10
2	18	19	12	20	379	200	147	283	120	41	17	10
3	14	16	12	31	130	200	172	356	153	40	16	11
4	11	14	12	26	87	198	249	383	140	38	16	13
5	10	14	13	26	71	191	189	366	142	36	16	13
6	10	14	13	21	59	187	180	320	147	35	16	12
7	9.5	14	13	18	54	187	195	266	219	35	15	11
8	9.5	14	13	20	49	187	221	283	170	42	15	10
9	9	14	13	166	47	195	242	313	151	41	15	9.5
10	8.5	14	13	99	45	202	272	316	147	41	15	9.5
11	13	13	13	235	254	195	301	307	144	43	15	9
12	19	13	18	96	526	198	310	289	139	37	14	9
13	14	12	16	61	423	193	313	329	125	34	14	9.5
14	16	12	11	72	615	189	329	326	116	31	14	10
15	25	14	12	69	412	189	362	298	103	30	13	10
16	17	13	11	102	466	189	387	286	96	28	13	10
17	14	21	12	62	292	187	398	280	93	26	12	9.5
18	13	19	11	50	216	187	390	269	90	25	12	9
19	13	16	11	45	184	189	339	244	83	24	12	8.5
20	12	14	13	40	164	189	362	207	78	24	12	8.5
21	12	14	12	35	191	214	366	207	73	24	12	8.5
22	11	14	12	34	834	207	394	214	69	22	12	8.5
23	11	14	12	32	705	178	383	219	64	21	12	8
24	11	14	11	31	401	170	359	219	63	21	12	8
25	11	14	13	31	304	155	336	209	60	20	11	8
26	11	13	13	29	252	144	356	187	56	20	11	7.5
27	11	13	17	28	229	139	345	176	51	19	11	8
28	11	13	16	29	216	135	323	180	49	19	11	8
29	11	12	35	30	207	134	280	166	46	18	10	8
30	11	12	25	27	-	166	249	146	45	18	10	8
31	11	-	20	29	-	180	-	134	-	18	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	385.0	25	7.5	12.4	764
November	425	21	12	14.2	843
December	440	35	11	14.2	873
Calendar year 1935	43,359.0	1,150	6	119	86,020
January	1,611	235	17	52.0	3,200
February	8,114	834	45	280	16,090
March	5,676	214	134	183	11,260
April	8,696	398	147	297	17,640
May	8,025	383	134	259	15,920
June	3,159	219	45	105	6,270
July	914	43	18	29.5	1,810
August	411	17	10	13.3	815
September	282.5	13	7.5	9.42	560
Water year 1935-36	38,338.5	834	7.5	105	76,040

Middle Tuolumne River near Buck Meadows, Calif.

Location.- Water-stage recorder, lat. 37°50', long. 120°0', 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 1936.

Average discharge.- 19 years (1917-36), 61.0 second-feet.

Extremes.- Maximum discharge during year, 922 second-feet Feb. 1 (gage height, 6.56 feet); minimum, 1.2 second-feet Oct. 1 (gage height, 1.07 feet).
1917-36: 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. Discharge Dec. 12-19, June 29, 30, Aug. 19 to Sept. 4 computed on basis of records for other Tuolumne Basin stations. Small irrigation diversion above station.

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

1.0	0.6	2.2	42	3.8	238
1.1	1.4	2.4	56	4.0	278
1.2	2.4	2.6	72	4.2	318
1.3	4.0	2.8	91	4.4	360
1.4	6.2	3.0	114	4.6	404
1.6	12.5	3.2	140	4.8	448
1.8	20	3.4	170	5.0	492
2.0	30	3.6	202	5.5	616

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	3.2	6	4.7	229	96	84	266	200	50	9	1.8
2	3.8	7.5	7	8.5	211	94	83	318	189	47	8.5	1.8
3	4.7	7	8	14	55	89	103	446	209	43	8	1.9
4	3.7	5.5	7.5	13	37	86	172	504	199	40	7.5	2.5
5	2.9	4.9	8	13	31	83	104	504	215	37	7	2.4
6	2.4	5.5	8	11	26	81	100	470	234	35	6.5	2.1
7	2.2	5.5	8	7.5	23	79	104	360	328	35	6	1.9
8	2.1	6	8.5	9	21	80	118	382	252	52	6	2.3
9	2.0	6	9	65	20	84	126	437	233	49	6	1.8
10	1.9	7	7.5	38	19	88	146	470	233	49	6	1.7
11	2.7	7	8	123	123	69	173	459	233	49	5.5	1.6
12	4.4	6.5	11	40	328	91	199	415	229	41	5.5	1.5
13	4.4	6	9.5	28	246	92	216	504	204	34	5.5	1.5
14	5	6	6	41	308	90	238	528	186	30	5	1.5
15	7.5	7.5	7.5	34	206	90	268	492	159	27	4.9	1.5
16	7	7.5	6	48	244	94	308	470	150	24	4.4	1.6
17	5.5	12	6.5	28	122	95	328	470	143	22	4.4	1.6
18	4.7	12	6	22	93	99	349	459	133	21	4.2	1.5
19	4.2	8.5	4.4	22	78	103	298	426	121	20	4.0	1.5
20	4.0	7.5	4.9	18	70	106	328	338	112	18	3.8	1.4
21	3.8	8.5	4.7	16	72	120	349	328	102	20	3.5	1.4
22	3.7	8.5	4.4	15	382	120	371	360	95	18	3.2	1.3
23	3.5	8.5	4.2	15	371	104	371	371	90	16	3.0	1.3
24	3.5	9.5	4.0	14	181	99	371	393	99	15	2.8	1.3
25	3.4	8.5	4.7	14	144	88	349	382	92	14	2.6	1.3
26	3.2	8	4.7	12	115	81	382	338	77	12	2.4	1.4
27	3.2	7	6	13	104	80	404	328	70	12	2.2	1.4
28	3.0	7.5	5.5	13	102	77	360	308	64	11	2.1	1.4
29	3.0	6.5	11	13	98	77	308	268	60	11	2.0	1.4
30	3.0	7	8.5	10	-	93	268	225	55	10	1.9	1.4
31	3.2	-	7	14	-	102	-	213	-	9.5	1.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	113.0	7.5	1.4	3.65	224
November	218.1	12	3.2	7.27	433
December	212.0	11	4.0	6.84	420
Calendar year 1935	35,222.8	680	1.2	96.5	69,860
January	734.7	123	4.7	23.8	1,460
February	4,059	382	19	140	8,050
March	2,850	120	77	91.9	5,650
April	7,378	404	83	246	14,630
May	12,234	528	213	395	24,270
June	4,766	328	55	159	9,450
July	871.5	52	9.5	28.1	1,730
August	145.2	9	1.8	4.68	288
September	49.0	2.5	1.3	1.63	97
Water year 1935-36	33,632.5	528	1.3	91.9	66,700

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., 1½ miles above mouth and 1½ miles northwest of Jacksonville. Altitude, about 645 feet.

Drainage area.- 98.4 square miles.

Records available.- October 1925 to September 1936.

Average discharge.- 11 years, 47.2 second-feet.

Extremes.- Maximum discharge during year, 8,060 second-feet Feb. 14 (gage height, 8.15 feet); no flow Aug. 8 to Sept. 19.
1925-35: Maximum discharge, 9,580 second-feet Feb. 6, 1932 (gage height, 8.50 feet); no flow at times during summers of 1929-36.

Remarks.- Records good except those for periods of missing gage-height record, Oct. 23, Apr. 26-28, which were interpolated, and June 26 to July 9, July 20 to Sept. 19, which were estimated and are fair. No diversions. At times water from Stanislaus drainage is spilled into Woods Creek above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.7	4.7	6.5	11	467	180	138	36	23	10	1.0	0
2	2.7	8.5	6.5	22	773	160	106	36	23	10	.9	0
3	3.3	15	6.5	46	208	144	210	32	28	9	.8	0
4	2.6	12	7	26	128	131	880	34	37	9	.6	0
5	2.2	7.5	7	40	89	118	236	32	31	8	.4	0
6	2.1	6.5	7	19	69	109	162	32	30	8	.2	0
7	1.8	6	7	15	59	102	131	29	71	8	.1	0
8	1.8	5.5	7.5	14	52	97	113	25	45	7	0	0
9	1.7	5.5	7.5	743	47	92	101	24	30	7	0	0
10	1.6	5.5	7.5	545	44	87	90	25	29	6	0	0
11	2.2	5	7.5	1,260	1,260	82	82	25	25	5.5	0	0
12	3.5	5	21	204	1,620	77	76	22	24	4.2	0	0
13	3.5	5.5	15	166	2,410	73	71	19	23	3.8	0	0
14	3.6	5.5	10	834	2,910	70	67	18	23	3.5	0	0
15	11	6	9	236	922	65	63	18	25	3.5	0	0
16	8.5	6	8.5	607	1,890	63	61	22	23	3.2	0	0
17	6	19	8.5	184	643	61	58	21	20	3.0	0	0
18	4.4	14	8	98	384	58	55	19	18	2.8	0	0
19	4.0	17	8	66	452	57	53	18	17	2.5	0	0
20	4.0	9.5	8	53	360	55	50	16	16	2.5	0	.1
21	4.0	11	8	45	330	55	28	15	15	2.5	0	.2
22	3.8	8	8	39	3,160	53	26	15	15	2.5	0	.2
23	3.9	7	8	36	2,110	52	25	14	14	2.0	0	.1
24	4.0	6.5	7.5	33	711	60	25	13	14	2.0	0	.1
25	4.0	6.5	7	31	748	65	24	13	13	2.0	0	.1
26	4.0	6	7	29	415	57	24	13	13	2.0	0	.2
27	3.8	6	10	27	307	53	23	14	12	1.5	0	.3
28	3.6	6	11	26	246	53	22	19	12	1.5	0	.3
29	3.6	6	49	24	204	51	22	26	11	1.5	0	.4
30	3.6	6.5	23	24	-	146	32	27	11	1.5	0	.6
31	4.0	-	15	23	-	370	-	25	-	1.0	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	113.5	11	0.7	3.66	225
November	238.7	19	4.7	7.96	473
December	327.0	49	6.5	10.5	649
Calendar year 1935	24,692.0	2,190	0	67.6	48,980
January	5,548	1,260	11	179	11,000
February	23,018	3,160	44	794	45,660
March	2,896	370	51	93.4	5,740
April	3,054	880	22	102	6,060
May	697	36	13	22.5	1,380
June	691	71	11	23.0	1,370
July	136.5	10	1.0	4.40	271
August	4.0	1.0	0	.13	7.9
September	2.6	.6	0	.09	5.2
Water year 1935-36	36,726.3	3,160	0	100	72,840

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 1936.

Average discharge.- 33 years, 328 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,410 second-feet June 24-26; no flow at times.
1903-36: Maximum mean daily discharge, 1,820 second-feet July 1, 1935; no flow at times.

Remarks.- Records excellent except those for Nov. 19 to Jan. 30, when recorder was out of operation and discharge was estimated by Modesto Irrigation District. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	401	333	4	3	376	0	891	1,060	886	1,010	873	560
2	399	221	4	3	295	0	824	1,090	954	987	815	557
3	401	227	4	3	512	0	741	1,120	576	1,020	815	519
4	401	221	4	3	303	0	741	1,120	451	1,010	612	496
5	401	215	4	1	309	0	730	1,130	456	1,010	810	481
6	401	215	4	1	307	0	732	1,130	654	1,010	815	460
7	401	215	4	5	309	0	737	1,140	734	901	815	458
8	352	217	4	1	360	0	384	1,140	732	465	817	460
9	310	220	4	1	391	0	365	1,140	726	413	808	481
10	376	227	4	1	538	0	686	1,140	732	410	810	488
11	470	227	4	1	846	21	756	1,140	737	408	817	487
12	465	225	0	1	841	151	752	1,140	875	408	817	490
13	465	225	0	0	893	273	750	1,140	1,010	443	817	499
14	470	226	3	0	717	273	791	1,150	1,020	604	805	505
15	435	224	3	0	170	270	913	1,160	1,010	624	798	506
16	415	225	3	0	0	270	624	1,160	1,000	640	772	505
17	418	217	3	0	0	310	624	1,150	1,010	646	759	501
18	418	84	3	0	0	463	626	1,150	1,180	634	756	481
19	415	0	3	1	0	463	624	1,150	1,220	630	750	465
20	418	4	3	0	0	463	624	1,160	1,220	588	682	450
21	423	4	3	0	0	467	622	1,140	1,220	532	682	448
22	418	4	3	0	0	467	624	1,160	1,210	535	664	451
23	418	4	3	0	0	630	632	1,160	1,260	532	624	450
24	418	4	3	5	0	935	632	1,160	1,410	530	618	451
25	418	4	3	5	0	904	634	1,170	1,410	535	608	451
26	418	4	3	5	0	896	634	1,160	1,410	537	608	454
27	418	4	3	4	0	899	636	1,100	1,120	539	604	451
28	334	4	3	4	0	906	767	1,030	1,010	539	586	453
29	415	4	3	4	0	901	1,030	982	998	815	580	456
30	418	4	3	4	-	901	1,060	982	996	868	557	456
31	418	-	3	278	-	896	-	984	-	891	560	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,748	470	334	411	25,290
November	4,008	333	0	134	7,950
December	98	4	0	3.2	194
Calendar year 1935	162,209	1,820	0	444	321,700
January	334	276	0	10.8	662
February	7,167	893	0	247	14,220
March	11,759	935	0	379	23,320
April	21,188	1,060	365	706	42,030
May	34,738	1,170	982	1,121	68,900
June	29,247	1,410	451	975	58,010
July	20,734	1,020	408	669	41,130
August	22,654	873	557	731	44,930
September	14,370	560	448	479	28,500
Water year 1935-36	179,045	1,410	0	489	355,100

Turlock Canal near La Grange, Calif.

Location.- Water-stage recorder, lat. 37°40'0", 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 1.2 miles east of La Grange. Altitude, about 265 feet.

Records available.- October 1898 to September 1936.

Average discharge.- 38 years, 448 second-feet.

Extremes.- Maximum mean daily discharge during year, 1,810 second-feet June 20-22; practically no flow Feb. 8-9, Mar. 6-25.

1898-1936: 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 and in March 1936.

Remarks.- Records excellent except those for very low stages, which are fair. 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 0.3 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	845	3.1	736	3.5	4.9	0.3	1,600	1,520	1,310	1,480	879	1,350
2	729	2.7	799	340	3.8	.3	1,600	1,500	1,220	1,430	884	1,330
3	906	3.6	796	418	3.8	.3	1,600	1,520	1,060	1,480	934	1,330
4	894	3.1	780	324	3.6	.3	1,600	1,510	968	1,440	976	1,400
5	109	2.5	786	277	3.6	.1	1,600	1,490	977	1,260	971	1,440
6	18	2.5	435	301	3.8	0	1,490	1,480	977	1,170	992	1,400
7	12	2.5	318	306	1.4	0	1,280	1,340	1,020	1,090	1,000	1,440
8	66	2.7	260	270	0	0	1,070	1,260	1,020	1,330	990	1,460
9	97	2.9	91	266	0	0	987	1,270	1,010	1,390	930	1,250
10	35	2.5	13	252	3.4	0	965	1,270	1,060	1,360	968	1,200
11	6	2.7	15	236	45	0	994	1,270	1,220	1,170	969	1,190
12	6	2.2	18	45	17	0	1,010	1,280	1,420	1,040	971	1,200
13	6	2.0	16	1.2	12	0	874	1,330	1,520	1,090	999	1,140
14	5.5	7.5	18	2.8	2.9	0	540	1,380	1,500	932	1,000	1,160
15	4.9	1.6	15	.5	.9	0	522	1,400	1,480	896	1,000	1,190
16	6	60	17	.5	.8	0	712	1,410	1,550	1,090	972	1,190
17	4.4	1.3	18	1.8	.7	0	780	1,370	1,670	1,110	1,030	1,200
18	5	434	18	2.2	.7	0	792	1,360	1,720	1,110	1,060	1,220
19	4.6	549	16	4.1	.5	0	797	1,360	1,780	1,080	1,030	1,240
20	4.9	536	15	1.0	.5	0	1,090	1,350	1,810	1,140	1,130	1,210
21	4.1	549	15	1.0	.4	0	1,290	1,320	1,810	1,230	1,130	813
22	35	554	12	1.0	.7	0	1,460	1,310	1,810	1,210	1,110	464
23	38	610	16	1.0	.9	0	1,570	1,300	1,780	1,240	1,110	441
24	55	530	18	1.0	.5	0	1,570	1,310	1,590	1,240	1,200	454
25	48	744	10	1.0	.5	0	1,570	1,330	1,480	1,220	1,270	447
26	55	738	12	1.0	.5	540	1,570	1,350	1,480	1,150	1,240	471
27	4.6	777	12	4.4	.5	1,320	1,570	1,350	1,490	1,180	1,270	399
28	122	738	14	3.8	.4	1,610	1,560	1,330	1,470	1,190	1,300	493
29	28	781	9.5	3.8	.4	1,600	1,560	1,360	1,470	979	1,300	480
30	7.5	799	23	3.8	-	1,600	1,560	1,340	1,470	895	1,300	705
31	3.8	-	26	3.8	-	1,600	-	1,390	-	888	1,340	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,165.3	906	3.8	134	8,260
November	8,444.4	799	1.3	281	16,750
December	5,347.5	799	9.5	172	10,610
Calendar year 1935	25,545.0	1,860	.5	695	502,900
January	3,078.2	418	.5	99.3	6,110
February	114.1	45	0	3.93	226
March	8,271.3	1,610	0	267	16,410
April	37,183	1,600	522	1,239	73,750
May	42,360	1,520	1,260	1,366	84,020
June	42,142	1,810	968	1,405	83,590
July	36,560	1,480	888	1,179	72,520
August	33,255	1,340	879	1,073	65,960
September	30,707	1,460	399	1,024	60,910
Water year 1935-36	251,627.8	1,810	0	688	499,100

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 1936.

Average discharge.- 30 years (1905-8, 1909-36), 661 second-feet.

Extremes.- Maximum discharge during year, 2,900 second-feet May 14 (gage height, 11.3 feet); minimum, 71 second-feet Nov. 1.
1905-36: Maximum mean daily discharge, 9,760 second-feet Mar. 19, 1907; minimum, 30 second-feet Aug. 24, 1924. Instantaneous values not available.

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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	305	85	128	132	307	691	680	1,540	1,290	1,230	311	289
2	316	121	125	149	365	735	653	1,850	1,180	1,240	303	292
3	294	114	129	191	289	796	680	2,200	1,250	1,170	285	311
4	285	118	128	196	270	831	673	2,360	1,230	1,130	298	316
5	294	126	128	205	270	831	620	2,340	1,270	1,100	309	309
6	294	141	126	169	255	827	623	2,100	1,520	1,030	309	311
7	294	141	128	153	249	847	710	1,790	2,330	1,020	300	307
8	294	144	128	150	243	892	880	1,800	1,850	1,020	296	309
9	289	146	128	232	241	1,010	1,010	1,940	1,720	900	305	314
10	287	144	124	334	245	1,070	1,240	2,150	1,660	784	327	321
11	294	138	128	511	399	1,050	1,460	2,320	1,940	725	325	292
12	296	137	143	318	653	1,110	1,660	2,260	2,130	670	294	260
13	285	135	128	283	572	1,120	1,800	2,460	2,070	684	289	265
14	283	128	110	358	610	1,100	1,960	2,710	2,000	695	292	277
15	298	128	95	415	546	1,090	2,110	2,560	1,800	569	303	285
16	261	138	116	443	549	1,110	2,300	2,390	1,760	600	311	283
17	276	146	119	322	475	1,130	2,340	2,320	1,820	596	311	278
18	307	147	122	263	446	1,140	2,320	2,300	1,920	566	311	273
19	300	137	118	261	432	1,160	2,160	2,190	1,880	576	305	268
20	285	132	126	236	424	1,210	2,230	1,870	1,870	562	305	265
21	272	138	134	225	583	1,260	2,210	1,760	1,820	579	305	265
22	261	138	131	221	1,700	1,200	2,320	1,770	1,860	555	298	256
23	263	141	128	219	1,400	1,030	2,330	1,950	1,880	517	296	256
24	259	140	126	221	987	930	2,220	2,080	1,990	499	292	252
25	274	137	126	227	812	835	2,140	2,190	1,790	469	292	251
26	276	134	128	230	739	760	2,130	2,110	1,630	426	292	247
27	300	131	134	227	698	735	2,070	1,930	1,580	399	289	256
28	132	131	131	236	667	717	1,940	1,970	1,500	360	296	260
29	97	129	152	251	653	725	1,730	1,660	1,280	322	296	258
30	91	128	147	236	-	749	1,530	1,460	1,190	322	298	254
31	85	-	143	232	-	721	-	1,400	-	311	294	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,147	316	85	263	16,160
November	3,993	147	85	133	7,920
December	3,961	152	95	128	7,860
Calendar year 1935	259,659	2,830	85	711	515,100
January	7,846	511	132	253	15,560
February	16,079	1,700	241	554	31,890
March	29,412	1,260	691	949	58,340
April	48,729	2,340	620	1,624	96,650
May	63,730	2,710	1,400	2,056	126,400
June	51,010	2,330	1,180	1,700	101,200
July	21,646	1,240	311	698	42,930
August	9,337	327	285	301	18,520
September	8,380	321	247	279	16,620
Water year 1935-36	272,270	2,710	85	744	540,000

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 1936.

Remarks.- Water is stored in reservoir for irrigation and power use. Elevation of crest of dam is 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 Canals. Table of daily contents, furnished by Pacific Gas & Electric Co., shows total amount, of which 2,630 acre-feet is not available for release.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12,763	10,356	9,756	9,718	40,430	93,980	93,645	94,985	101,420	112,610	86,965	40,139
2	12,115	10,396	10,072	10,032	43,000	94,315	93,310	94,985	100,400	112,425	87,400	38,708
3	11,575	10,356	9,870	10,275	46,550	93,813	93,310	96,325	100,060	112,610	85,726	37,398
4	11,147	10,599	9,528	10,680	46,978	93,645	94,148	97,510	101,590	112,610	84,221	36,124
5	10,935	10,516	9,110	11,020	46,978	93,980	94,315	97,510	102,950	112,425	82,728	34,870
6	10,680	10,457	8,750	11,800	46,657	93,980	93,980	97,170	104,370	112,240	81,089	33,721
7	10,356	10,457	8,152	11,980	46,122	93,980	93,310	95,990	109,845	112,795	79,465	32,510
8	10,518	10,356	8,152	12,115	45,480	93,980	93,645	95,655	114,820	112,610	77,844	31,490
9	10,680	10,356	8,462	12,667	44,960	94,148	93,813	95,823	113,165	112,610	76,092	30,394
10	10,765	10,315	8,320	15,563	45,908	94,148	94,148	96,325	112,055	112,425	74,353	29,398
11	10,935	10,396	8,320	18,940	45,272	94,148	94,650	96,830	113,720	111,870	72,774	28,180
12	11,105	10,558	8,254	24,658	50,398	94,148	95,488	96,660	113,720	111,130	71,080	27,146
13	10,765	10,518	8,286	26,530	60,360	94,148	95,990	96,660	113,350	110,394	69,130	26,145
14	10,518	10,396	8,354	29,315	72,200	94,148	95,990	97,510	112,610	109,479	66,178	24,731
15	10,722	10,275	8,390	33,461	81,685	94,148	96,158	97,510	112,425	108,747	64,612	23,793
16	11,020	10,275	8,534	36,488	88,182	94,483	96,660	97,000	109,662	108,015	63,086	22,664
17	11,232	10,275	8,498	39,945	94,985	94,148	96,830	96,660	106,918	107,100	61,580	21,774
18	11,020	10,935	8,286	41,900	94,650	94,148	97,000	96,660	109,479	106,372	60,116	20,779
19	10,765	10,892	8,286	43,200	93,813	94,148	96,830	96,325	112,795	105,280	59,021	19,878
20	10,275	10,892	8,286	44,544	93,980	94,148	96,830	95,823	113,350	104,188	57,831	18,820
21	10,396	10,765	8,254	45,480	93,645	94,315	96,660	95,153	113,535	103,120	56,760	17,860
22	10,680	10,558	8,354	46,550	98,360	94,483	96,325	95,655	112,980	102,100	55,468	16,928
23	10,599	10,315	8,606	46,550	99,380	94,480	97,000	95,823	113,350	101,080	54,164	16,128
24	10,558	10,275	8,606	45,480	97,510	93,980	97,000	97,000	113,720	100,060	52,216	15,343
25	10,477	10,639	8,570	44,960	95,990	93,813	96,660	97,680	113,720	99,040	50,625	14,648
26	10,457	10,558	8,786	44,232	95,320	93,645	96,660	97,680	112,980	97,680	49,167	14,030
27	10,153	10,558	8,786	44,960	94,650	93,478	96,660	99,380	112,980	96,493	47,620	13,237
28	10,194	10,518	8,786	43,920	94,315	93,310	96,325	99,720	111,870	94,985	46,122	12,478
29	10,113	10,194	8,858	43,000	94,148	93,645	95,823	99,720	112,425	93,645	44,544	11,845
30	10,194	9,991	9,414	42,300	-	93,813	95,320	100,400	112,795	92,173	43,200	11,147
31	10,356	-	9,604	41,400	-	94,148	-	100,910	-	90,548	41,600	-

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 Melones Dam. Altitude, about 500 feet.

Drainage area.- 898 square miles.

Records available.- January 1931 to September 1936.

Extremes.- Maximum discharge during year, 17,200 second-feet Feb. 22 (gage height, 16.1 feet); minimum, 14 second-feet Oct. 19, 25, Jan. 1, 2.
1931-36: Maximum discharge, that of Feb. 22, 1936; minimum, about 1 second-foot Feb. 6, 1933.

Remarks.- Records excellent. Discharge Oct. 1-10 computed on basis of records for Melones Reservoir and flow through power house. Numerous diversions and several storage reservoirs above station. See record for Melones Reservoir, which stores water above station. Gage-height record furnished by Pacific Gas & Electric Co.

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

3.6	7.5	4.5	265	6.5	1,920
3.7	15	4.6	320	7.0	2,440
3.8	28	4.7	380	7.5	2,990
3.9	47	4.8	445	8.0	3,570
4.0	71	5.0	585	9.0	4,830
4.1	98	5.2	735	10.0	6,280
4.2	130	5.4	895	11.0	7,880
4.3	170	5.6	1,070	12.0	9,580
4.4	215	6.0	1,430	13.5	12,260

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	520	183	20	15	892	1,970	1,850	3,450	3,100	1,570	1,130	1,020
2	450	204	288	198	34	2,560	1,710	3,810	2,170	1,520	1,140	1,010
3	380	19	183	209	902	2,380	1,710	5,530	1,720	1,430	1,140	980
4	350	198	360	205	906	2,410	2,380	7,560	1,720	1,370	1,130	963
5	370	210	422	18	905	2,420	2,170	7,400	1,720	1,320	1,130	954
6	440	206	411	208	897	2,360	2,250	6,760	1,770	1,110	1,140	929
7	330	214	202	208	896	2,310	1,870	4,830	4,350	1,070	1,150	879
8	210	206	20	219	902	1,970	2,060	4,440	6,280	1,200	1,160	863
9	210	192	202	222	25	2,760	2,400	4,830	4,440	1,200	1,170	855
10	210	17	204	231	900	2,650	2,810	5,110	3,040	1,250	1,170	855
11	168	210	204	237	906	2,600	3,100	6,600	4,080	1,230	1,180	847
12	298	261	216	22	932	2,600	4,050	5,980	4,700	1,170	1,190	847
13	430	215	209	220	967	2,680	4,830	6,600	4,700	1,230	1,190	847
14	352	214	211	141	964	2,640	5,110	7,880	3,930	1,200	1,190	839
15	218	181	21	210	964	2,170	5,530	7,720	4,570	1,150	1,120	815
16	222	120	204	227	589	2,080	6,280	6,760	4,570	1,120	1,090	791
17	380	20	206	135	3,910	2,640	6,600	5,830	2,490	1,120	1,080	783
18	426	222	204	96	3,100	2,650	6,600	6,280	1,670	1,120	1,090	775
19	446	216	206	24	2,550	2,650	5,980	5,830	2,940	1,130	1,090	767
20	292	217	198	73	2,440	2,670	6,440	4,570	3,210	1,120	1,100	751
21	206	293	198	80	2,330	2,840	6,280	3,570	2,940	1,120	1,100	735
22	310	302	18	426	12,100	2,550	6,130	3,570	2,990	1,120	1,090	728
23	289	212	202	893	11,000	2,900	7,080	3,810	2,770	1,120	1,080	682
24	296	19	204	877	7,240	2,170	6,760	3,930	3,100	1,110	1,080	615
25	293	204	21	897	5,250	2,170	5,630	5,250	3,100	1,110	1,080	608
26	310	202	206	25	3,930	1,770	5,980	4,050	2,200	1,110	1,080	608
27	224	302	208	884	3,210	1,620	6,130	4,050	2,720	1,140	1,080	600
28	302	216	204	886	2,770	1,370	5,390	4,310	2,880	1,160	1,080	600
29	81	299	18	886	2,500	1,570	4,700	3,330	1,520	1,150	1,080	600
30	71	288	206	888	-	2,170	3,810	2,330	1,570	1,140	1,080	592
31	104	-	206	899	-	2,350	-	2,220	-	1,130	1,040	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,188	520	71	296	18,220
November	5,862	302	17	195	11,630
December	5,882	422	18	190	11,670
Calendar year 1935	590,439	8,820	14	1,618	1,171,000
January	10,759	899	15	347	21,340
February	74,911	12,100	25	2,583	148,600
March	73,550	2,900	1,370	2,373	145,900
April	133,820	7,080	1,710	4,461	265,400
May	158,190	7,880	2,220	5,103	313,800
June	92,960	6,280	1,520	3,099	184,400
July	37,040	1,570	1,070	1,195	73,470
August	34,650	1,190	1,040	1,118	68,730
September	23,738	1,020	592	791	47,080
Water year 1935-36	660,550	12,100	15	1,805	1,310,000

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, 3½ 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 1936.

Average discharge.- 15 years (1914-22, 1929-36), 392 second-feet.

Extremes.- Maximum discharge during year, 5,140 second-feet June 7 (gage height, 8.50 feet); minimum, 22 second-feet Jan. 1 (gage height, 0.75 foot).
1914-22, 1928-36: 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 period of ice effect, Dec. 14-19, which are fair. Storage in three reservoirs above station and diversion from Beaver Creek.

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

0.8	24	1.8	102	2.8	268	4.6	960	6.6	2,750
1.0	34	2.0	125	3.0	317	5.0	1,220	7.0	3,220
1.2	47	2.2	152	3.4	430	5.4	1,530	7.3	3,580
1.4	63	2.4	185	3.8	565	5.8	1,900	7.6	3,970
1.6	82	2.6	224	4.2	740	6.2	2,310	7.7	4,100

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	39	48	29	183	460	445	1,410	815	224	30	39
2	72	51	48	43	230	512	430	2,100	668	212	68	39
3	61	46	48	82	148	565	460	2,800	790	194	68	41
4	61	44	48	83	134	625	460	3,100	815	178	68	42
5	58	43	48	86	130	625	400	2,800	815	162	67	43
6	58	44	49	58	120	625	403	2,150	1,430	146	63	41
7	57	46	49	45	119	625	530	1,580	4,100	137	60	39
8	52	49	49	52	117	668	765	1,760	1,760	132	53	38
9	60	51	48	148	115	790	900	2,100	1,330	132	47	36
10	61	55	47	270	118	840	1,180	2,260	1,180	120	48	36
11	75	51	46	460	337	815	1,450	2,310	1,180	133	48	35
12	79	46	62	185	548	870	1,620	2,100	1,220	111	48	35
13	68	39	46	144	412	900	1,760	2,640	1,080	99	46	39
14	75	31	45	224	442	870	2,000	2,980	990	92	45	41
15	83	27	45	275	354	870	2,200	2,530	815	90	44	44
16	66	26	44	338	357	900	2,480	2,200	740	90	44	49
17	55	46	44	182	287	960	2,530	2,100	740	83	43	46
18	49	46	44	144	261	960	2,580	2,050	765	76	42	44
19	46	43	44	132	259	960	2,360	1,800	715	69	42	42
20	46	41	44	121	247	1,050	2,530	1,330	668	68	41	39
21	46	40	43	115	565	1,120	2,480	1,290	605	65	41	37
22	44	40	41	113	2,350	1,050	2,700	1,370	565	61	40	34
23	42	46	40	112	1,150	765	2,750	1,490	530	57	39	29
24	41	57	39	115	715	668	2,480	1,580	512	52	40	35
25	40	55	40	117	585	565	2,260	1,620	460	48	42	34
26	40	53	40	113	495	512	2,260	1,530	412	44	42	39
27	39	52	47	112	460	512	2,100	1,330	365	41	41	53
28	39	50	45	119	442	512	1,850	1,450	327	38	41	53
29	39	50	71	134	439	548	1,530	1,080	280	35	41	53
30	39	49	57	119	-	548	1,330	930	245	33	40	53
31	39	-	39	114	-	512	-	960	-	31	39	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,688	83	39	54.5	3,350
November	1,356	57	26	45.2	2,690
December	1,448	71	39	46.7	2,870
Calendar year 1935	167,966	3,040	26	460	333,100
January	4,384	460	29	141	8,700
February	12,119	2,350	115	418	24,040
March	22,802	1,120	460	736	45,230
April	49,223	2,750	400	1,641	97,630
May	58,730	3,100	930	1,895	116,500
June	26,917	4,100	245	897	53,390
July	3,053	224	31	98.5	6,060
August	1,461	68	30	47.1	2,900
September	1,228	53	29	40.9	2,440
Water year 1935-36	184,409	4,100	26	504	365,800

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 1936.

Extremes.- Maximum daily discharge during year, 1,000 second-feet June 26; probably no flow at times December to March.
1914-36: Maximum daily discharge, 1,070 second-feet July 1-3, 1921; no flow at times each year.

Remarks.- Records good. No record Dec. 8 to Mar. 12; discharge probably small. Discharge interpolated Oct. 16, 17. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	448	44	230			-	234	882	834	994	779	693
2	451	57	65			-	237	890	820	989	789	680
3	395	57	248			-	220	906	726	986	797	638
4	273	53	282			-	197	914	632	989	792	634
5	243	57	301			-	197	914	620	986	786	624
6	314	57	204			-	196	906	600	794	781	605
7	231	56	16			-	194	898	566	250	802	576
8	110	56	-			-	155	906	615	197	813	546
9	77	56	-			-	79	916	615	792	821	540
10	72	56	-			-	61	920	652	907	829	536
11	72	50	-			-	178	919	732	902	829	539
12	125	57	-			-	227	864	784	835	832	544
13	112	57	-			1.6	422	922	836	851	830	546
14	112	160	-			2.1	492	901	826	867	829	550
15	94	243	-			2.1	531	834	890	813	776	542
16	94	197	-			2.2	562	813	916	771	730	510
17	93	136	-			2.2	585	810	938	763	726	504
18	93	50	-			2.2	681	828	986	755	728	500
19	93	220	-			36	728	829	996	774	739	482
20	95	224	-			132	790	837	992	768	747	480
21	74	234	-			280	824	748	994	750	749	482
22	45	240	-			525	824	820	989	755	749	464
23	44	243	-			780	832	868	992	757	750	446
24	43	216	-			810	840	871	997	755	749	372
25	44	54	-			741	848	903	992	749	750	377
26	59	213	-			766	855	925	1,000	749	762	382
27	72	225	-			783	858	972	999	763	765	382
28	72	241	-			796	850	975	986	795	760	382
29	62	240	-			813	842	914	994	798	754	380
30	21	250	-			718	866	866	994	797	749	378
31	16	-	-			377	-	836	-	786	720	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,149	451	16	134	8,230
November	4,099	250	44	137	8,130
December 1-7	1,346	301	16	192	2,670
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 13-31	7,569.4	813	1.6	398	15,010
April	15,405	866	61	514	30,560
May	27,307	975	748	881	54,160
June	25,513	1,000	566	850	50,600
July	24,437	994	197	788	48,470
August	24,012	832	720	775	47,630
September	15,314	693	372	510	30,370
Water year					

Oakdale Canal near Knights Ferry, Calif.

Location.- Water-stage recorder, lat. 37°51'30", long. 120°38'0", 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 1936.

Extremes.- Maximum daily discharge during year, 346 second-feet July 2; probably no flow for long periods, November to March.
1914-36: Maximum daily discharge, that of July 2, 1936; no flow for periods each year.

Remarks.- Records good. No record Nov. 1 to Feb. 29, probably no flow. Canal diverts from left bank of river at Goodwin Dam. Water is used for irrigation in Oakdale irrigation district. Gage-height record furnished by Oakdale Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	198					0	0	322	342	344	336	306
2	167					0	31	328	342	346	336	305
3	152					0	16	326	343	344	333	302
4	145					0	0	328	344	344	332	302
5	142					0	0	333	344	345	331	300
6	142					0	0	336	336	344	330	294
7	140					0	0	336	328	343	332	284
8	136					0	16	337	326	342	332	279
9	132					0	63	340	330	343	332	278
10	134					0	63	342	332	342	328	279
11	136					0	70	342	340	342	325	275
12	136					0	103	340	342	340	330	269
13	137					0	139	340	341	343	334	261
14	139					0	174	340	341	342	336	253
15	136					0	198	338	342	336	333	245
16	139					0	216	340	340	334	332	240
17	140					0	241	338	338	335	332	238
18	137					0	252	340	342	336	332	237
19	136					0	253	339	343	332	330	238
20	136					43	265	339	343	332	331	240
21	118					78	279	337	342	334	326	235
22	106					107	291	342	342	336	324	232
23	121					171	305	340	343	336	322	225
24	120					165	306	340	342	336	320	197
25	122					142	306	340	342	338	320	195
26	123					198	307	340	340	336	314	194
27	126					195	318	342	342	337	310	193
28	132					213	322	341	342	338	310	192
29	125					218	324	338	343	337	310	192
30	80					152	321	338	344	335	309	190
31	0					0	-	340	-	335	307	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,035	198	0	130	8,000
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	1,682	218	0	54.3	3,340
April	5,179	324	0	173	10,270
May	10,462	342	322	337	20,750
June	10,203	344	328	340	20,240
July	10,507	346	332	339	20,840
August	10,109	336	307	326	20,050
September	7,470	306	190	249	14,820
Water year					

Calaveras River at Jenny Lind, Calif.

Location.- Water-stage recorder, lat. 38°5', 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 6½ miles below Cosgrove Creek. Altitude, about 220 feet.

Drainage area.- 395 square miles.

Records available.- January 1907 to September 1936.

Average discharge.- 27 years (1908-23, 1924-36), 255 second-feet.

Extremes.- Maximum discharge during year, 10,100 second-feet Feb. 23 (gage height, 10.36 feet); no flow Oct. 1 to Nov. 9, Aug. 21 to Sept. 30.
1907-36: Maximum discharge observed, about 69,600 second-feet Jan. 31, 1911; stage was reported higher about midnight; no flow during late summer, 1913-15, 1917-22, 1924-36.

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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	1.7	1.5	197	892	620	136	63	21	10	
2		0	1.7	18	1,900	689	393	126	61	24	2.7	
3		0	1.7	62	1,240	608	417	118	58	25	2.2	
4		0	1.7	101	613	562	2,240	110	61	26	2.2	
5		0	1.8	87	394	512	2,120	110	69	26	2.1	
6		0	1.8	92	290	467	1,060	103	71	25	2.2	
7		0	12	77	237	424	632	97	95	25	2.2	
8		0	18	60	198	393	512	95	128	24	2.4	
9		0	18	511	176	358	440	90	115	23	2.6	
10		.2	18	1,340	148	334	398	92	95	21	2.7	
11		.8	19	2,060	886	329	372	92	82	19	2.9	
12		1.1	20	1,580	4,910	315	348	84	77	18	2.9	
13		1.1	20	748	5,980	298	320	77	69	17	2.7	
14		1.1	20	2,120	7,120	276	298	71	66	15	2.4	
15		1.1	20	1,960	5,980	259	280	69	64	13	2.4	
16		1.1	20	1,440	5,800	242	263	69	64	11	2.4	
17		2.2	20	976	5,260	230	242	67	66	9.5	1.0	
18		2.4	20	514	3,960	223	234	71	66	7.5	.4	
19		1.5	20	325	3,220	215	223	69	66	5.5	.1	
20		1.4	19	246	2,630	204	200	64	63	4.9	.1	
21		1.4	5.5	198	2,210	197	180	59	56	4.6	0	
22		1.5	1.8	161	8,100	193	180	58	52	3.5	0	
23		1.7	.8	138	9,500	186	180	56	49	3.2	0	
24		1.7	.5	124	8,500	183	173	53	50	3.0	0	
25		1.7	.5	116	6,930	204	163	49	45	2.9	0	
26		1.7	.7	101	5,260	197	151	46	37	2.7	0	
27		1.7	.8	94	3,580	166	151	46	31	2.6	0	
28		1.7	.8	85	2,760	157	145	55	26	2.4	0	
29		1.7	4.6	81	1,600	154	139	66	26	2.4	0	
30		1.7	3.7	77	-	169	139	71	22	2.6	0	
31		-	2.0	73	-	813	-	69	-	24	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	30.5	2.4	0	1.02	60
December	296.1	20	.5	9.55	587
Calendar year 1935	73,331.1	2,960	0	201	145,400
January	15,566.5	2,120	1.5	502	30,880
February	99,579	9,500	148	3,434	197,500
March	10,449	892	154	337	20,730
April	13,213	2,240	139	440	26,210
May	2,438	136	46	78.6	4,840
June	1,893	128	22	63.1	3,750
July	414.3	26	2.4	13.4	822
August	48.6	10	0	1.57	96
September	0	0	0	0	0
Water year 1935-36	143,928.0	9,500	0	393	285,500

Cosgrove Creek near Valley Springs, Calif.

Location.- Water-stage recorder, lat. 38°9', long. 120°50', in SE¼ sec. 35, T. 4 N., R. 10 E., 0.4 mile above mouth and 2½ miles south of Valley Springs. Altitude, about 580 feet.

Drainage area.- 20.6 square miles.

Records available.- October 1929 to September 1936.

Extremes.- Maximum discharge during year, 2,420 second-feet Feb. 22 (gage height, 7.80 feet) by slope-area method; no flow for several months.
1929-36: Maximum discharge, that of Feb. 22, 1936; no flow for several months each year.

Remarks.- Records good. No diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	97	15	6	1.3	0.1			
2				0	116	14	4.8	1.1	.1			
3				1.6	23	12	16	.8	.1			
4				1.0	12	11	44	.7	.1			
5				1.5	8	9.5	14	.6	.1			
6				.7	6	8.5	8	.5	.2			
7				.4	5	8	6.5	.5	.4			
8				.3	4.2	7.5	5.5	.5	.2			
9				75	3.8	7	5	.5	.1			
10				107	3.5	7	4.5	.3	.1			
11				211	175	6.5	4.0	.3	0			
12				25	539	6	3.6	.3	0			
13				121	487	6	3.4	.3	0			
14				306	338	6	3.2	.3	0			
15				84	60	5	3.0	.3	0			
16				84	537	5	2.7	.3	0			
17				21	125	5	2.5	.2	0			
18				13	75	4.8	2.3	.2	0			
19				9	121	4.5	2.1	.2	0			
20				7	59	4.5	2.1	.1	0			
21				5	361	4.2	2.0	.1	0			
22				4.5	1,090	4.0	2.0	.1	0			
23				3.8	519	3.6	1.8	.1	0			
24				3.3	100	5	1.7	.1	0			
25				2.9	149	6.5	1.5	0	0			
26				2.6	40	4.5	1.4	0	0			
27				2.2	28	3.8	1.3	.1	0			
28				2.1	22	3.8	1.3	.1	0			
29				2.1	18	4.2	1.4	.2	0			
30				1.8	-	8	1.4	.2	0			
31				1.7	-	14	-	.1	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	2,006.7	221	0	5.50	3,980
January	1,100.5	306	0	35.5	2,180
February	5,121.5	1,090	3.5	177	10,160
March	214.4	15	3.6	6.92	425
April	159.0	44	1.3	5.30	315
May	10.4	1.3	0	.34	21
June	1.5	.4	0	.05	3
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	6,607.3	1,090	0	18.1	13,100

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 1936.

Remarks.- This is largest storage unit on Mokelumne system of Pacific Gas & Electric Co. Elevation of crest of dam is 3,958 feet above mean sea level. Water is released through power house just below dam and discharges into Tiger Creek conduit. Table of daily contents, furnished by Pacific Gas & Electric Co., shows amount available for release.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	68,334	39,861	25,172	16,045	11,666	28,666	52,763	81,616	123,918	129,729	119,655	103,022
2	67,335	38,996	24,859	16,009	12,290	29,043	52,763	82,365	124,833	129,636	120,377	102,090
3	66,342	38,889	24,062	16,009	12,587	30,092	52,826	85,493	126,026	129,542	120,829	101,162
4	65,356	38,407	23,320	15,790	12,554	31,058	52,826	89,684	126,948	129,915	120,829	100,238
5	64,446	37,505	22,931	15,899	12,388	31,791	52,888	91,287	127,225	130,009	120,829	99,485
6	63,472	36,559	22,545	15,608	12,654	32,681	52,888	92,093	128,985	129,542	120,829	98,735
7	62,574	36,674	22,460	15,248	12,787	33,632	52,951	92,093	129,078	129,356	120,648	98,319
8	61,681	34,799	22,502	14,927	12,821	34,289	53,014	92,174	129,822	129,171	120,377	97,490
9	60,659	34,544	22,035	15,105	12,988	35,313	53,515	92,579	130,475	127,594	120,377	96,561
10	59,645	34,493	21,615	15,645	13,055	36,349	54,403	93,796	130,568	127,040	120,106	95,676
11	58,640	34,188	21,197	16,785	12,455	37,346	55,428	95,430	130,568	128,242	119,836	94,693
12	57,712	33,834	20,784	17,310	13,089	38,407	56,791	96,087	130,662	128,150	119,475	93,714
13	56,726	33,030	20,497	17,500	13,841	39,535	58,773	97,573	130,662	127,964	119,116	92,902
14	55,816	32,383	20,253	17,424	14,432	40,678	60,930	100,742	130,662	127,594	118,487	91,932
15	55,107	31,595	20,253	17,462	15,069	41,890	63,541	103,192	130,288	127,040	117,591	90,966
16	54,212	31,497	19,848	17,500	15,572	42,896	66,697	103,787	130,195	126,487	116,876	90,164
17	53,264	31,546	19,408	17,160	16,045	44,142	69,914	103,787	130,288	125,842	116,163	89,365
18	52,388	31,301	18,775	16,822	16,487	45,350	72,094	103,362	130,288	125,108	115,363	88,569
19	51,457	30,525	18,151	16,376	16,859	46,751	73,195	104,384	130,288	124,558	114,476	87,776
20	50,534	29,709	17,844	15,862	17,160	47,757	73,932	105,239	130,195	124,101	113,592	86,907
21	49,680	28,948	17,614	15,464	17,844	49,196	74,301	107,131	130,102	123,553	112,622	86,120
22	48,654	28,196	17,538	15,140	21,698	50,595	76,011	108,949	130,102	122,642	111,743	85,258
23	47,876	28,009	17,310	14,820	23,561	51,890	77,660	110,604	130,288	121,825	110,867	84,400
24	46,868	28,056	16,934	14,467	24,548	52,325	79,172	112,798	130,382	121,100	109,994	83,623
25	45,931	27,729	16,897	14,083	25,261	52,325	80,085	115,363	130,382	120,286	109,123	82,694
26	45,003	26,943	16,673	13,634	26,119	52,325	80,772	116,876	130,195	120,286	108,082	81,769
27	44,600	26,256	16,413	13,191	26,576	52,325	81,309	117,859	130,009	119,836	107,217	81,002
28	43,630	26,165	16,339	12,654	27,035	52,325	81,462	120,106	129,915	119,295	106,269	80,161
29	42,671	25,938	16,413	12,388	27,869	52,325	81,462	120,196	129,729	119,206	105,325	79,324
30	41,724	25,127	16,302	12,159	-	52,576	81,462	121,281	129,729	119,475	104,726	78,415
31	40,788	-	16,192	11,704	-	52,638	-	122,642	-	119,565	103,957	-

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 below Salt Springs Dam and 3½ miles above Moore Creek. Altitude, about 3,600 feet.

Drainage area.- 160 square miles.

Records available.- September 1926 to September 1936.

Extremes.- Maximum discharge during year, 5,970 second-feet June 6 (gage height, 10.70 feet); minimum, 2.9 second-feet Feb. 9.
1926-36: 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. 28 to Jan. 6, which were computed on basis of occasional staff-gage readings 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 several discharge measurements furnished by Pacific Gas & Electric Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.5	4.5	4.0	3.5	4.8	9	290	748	360	202	18	15
2	9.5	4.5	4.0	4.0	5	9	290	748	363	184	18	15
3	9	4.5	4.0	5	3.7	8.5	290	748	365	152	18	15
4	9	4.5	4.0	6	3.4	8	290	1,240	629	150	18	15
5	9	4.5	4.0	5	3.3	7.5	290	2,120	540	311	18	15
6	8.5	4.5	4.0	4.0	3.2	7	290	1,710	1,180	144	18	15
7	8.5	4.5	4.0	3.6	3.0	7	290	1,410	3,640	19	18	15
8	8.5	4.0	4.0	3.6	3.0	6.5	300	1,530	1,080	18	18	15
9	8.5	4.0	4.0	8	2.9	6.5	334	1,590	1,620	18	18	15
10	9	4.0	4.0	7.5	125	6.5	381	1,590	1,830	18	17	14
11	9	4.0	4.0	11	381	6	450	1,770	2,040	18	17	14
12	9	4.0	4.5	7	170	6	465	1,980	2,190	18	17	14
13	8.5	4.0	4.0	196	11	6	465	1,980	1,910	19	17	14
14	8.5	4.0	3.5	358	12	6	465	1,910	1,710	18	17	14
15	7.5	4.0	3.5	358	8	6	465	2,270	1,230	16	16	14
16	7	4.0	3.5	360	8.5	5.5	465	2,660	972	18	16	14
17	6.5	4.0	3.5	326	6.5	5.5	666	3,060	1,060	18	16	14
18	6.5	4.0	3.5	285	6	5.5	1,190	2,410	1,220	18	16	14
19	6.5	4.0	3.5	285	6	5.5	1,500	1,690	1,090	18	16	14
20	6.5	4.0	3.5	216	5.5	5.5	1,530	780	950	18	16	14
21	6	3.5	3.5	127	9	6	1,530	834	846	18	16	14
22	5.5	3.5	3.5	44	26	5.5	1,560	818	826	18	16	13
23	4.8	3.5	3.5	3.6	17	6	1,470	1,140	710	18	16	13
24	4.8	3.5	3.5	17	12	222	1,590	1,140	710	18	16	13
25	4.8	3.5	3.5	36	11	321	1,530	1,570	621	18	16	13
26	4.8	3.5	3.5	97	10	283	1,530	1,710	510	18	16	12
27	5	3.5	3.5	3.0	9.5	285	1,590	1,320	355	18	16	12
28	5	3.5	3.5	2.8	10	285	1,650	1,700	220	18	16	12
29	5	3.5	4.5	2.4	9.5	290	1,070	920	110	18	16	12
30	5	3.5	3.5	2.2	-	290	674	548	134	18	16	12
31	5	-	3.5	2.2	-	290	-	368	-	18	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	220.2	9.5	4.8	7.10	437
November	118.5	4.5	3.5	3.95	235
December	116.5	4.5	3.5	3.76	231
Calendar year 1935	92,281.2	3,460	2	253	183,000
January	2,789.4	360	2.2	90.0	5,530
February	885.8	381	2.9	30.5	1,760
March	2,416.5	321	5.5	78.0	4,790
April	24,900	1,650	290	830	49,390
May	46,012	3,060	368	1,484	91,260
June	31,021	3,640	110	1,034	61,530
July	1,595	311	18	51.5	3,160
August	519	18	16	16.7	1,030
September	415	15	12	13.8	823
Water year 1935-36	111,008.9	3,640	2.9	303	220,200

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 1.2 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 1936.

Extremes.- Maximum discharge during year, 15,600 second-feet Feb. 22 (gage height, 13.39 feet); minimum, 82 second-feet Dec. 2.
1927-36: 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 record for Salt Springs Reservoir.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	516	526	209	192	587	1,360	1,200	2,040	1,180	962	488	502
2	531	486	151	204	848	1,290	1,100	2,350	995	900	191	582
3	536	161	430	278	614	1,300	1,230	2,910	1,240	815	305	537
4	531	161	461	424	539	1,360	1,800	3,480	1,360	498	467	542
5	516	491	337	425	534	1,240	1,400	4,490	1,610	311	679	572
6	476	526	244	279	320	1,160	1,240	3,750	1,470	842	456	422
7	476	526	175	439	299	1,240	1,280	2,790	7,310	713	464	320
8	496	469	140	385	410	1,100	1,240	2,970	3,000	573	532	369
9	516	237	157	691	328	1,200	1,400	3,350	2,640	585	393	582
10	516	162	317	619	289	1,280	1,520	3,610	3,030	403	466	577
11	531	151	329	1,360	1,200	1,160	1,890	3,750	3,440	640	547	552
12	546	245	306	886	3,440	1,160	2,240	3,520	3,760	423	613	492
13	531	466	294	527	3,000	1,200	2,450	4,030	3,090	421	608	443
14	536	501	186	1,430	4,340	1,160	2,620	4,480	3,120	560	592	542
15	541	430	194	1,420	2,200	1,060	2,850	4,030	2,400	624	512	577
16	546	240	187	1,680	2,300	1,130	3,030	4,330	2,400	552	409	577
17	556	170	333	1,060	1,870	1,130	3,160	4,630	2,400	602	479	577
18	526	199	325	868	1,300	1,100	3,610	4,480	2,670	527	537	532
19	521	457	381	780	1,270	1,060	3,750	3,480	2,670	409	557	452
20	491	511	289	757	1,170	1,060	3,750	2,330	2,450	417	587	452
21	506	501	140	688	2,020	1,130	4,030	1,820	2,140	547	597	577
22	511	476	150	554	11,400	1,100	4,030	2,020	2,090	562	507	572
23	516	267	157	630	7,120	1,060	3,890	2,560	1,990	567	456	552
24	491	161	310	534	3,800	1,030	3,750	2,730	1,940	567	557	484
25	481	244	210	564	2,760	1,200	3,480	2,910	1,750	577	547	527
26	481	429	162	559	2,150	1,150	3,480	3,280	1,560	234	582	522
27	367	458	170	619	1,840	1,060	3,610	2,910	1,400	264	552	426
28	384	210	170	614	1,610	1,030	3,220	2,970	995	506	488	527
29	501	169	199	625	1,440	1,100	2,910	2,430	962	492	537	512
30	481	418	210	559	-	1,280	1,940	1,320	900	488	320	502
31	526	-	207	544	-	1,460	-	1,190	-	426	393	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15,680	556	367	506	31,100
November	10,448	526	151	348	20,720
December	7,530	461	140	243	14,940
Calendar year 1935	339,773	4,790	140	931	674,000
January	21,394	1,680	192	690	42,430
February	60,998	11,400	289	2,103	121,000
March	36,350	1,460	1,030	1,173	72,100
April	77,100	4,030	1,100	2,570	152,900
May	96,940	4,630	1,190	3,127	192,300
June	67,962	7,310	900	2,265	134,800
July	17,027	962	234	549	33,770
August	15,438	679	191	498	30,620
September	15,402	582	320	513	30,550
Water year 1935-36	442,269	11,400	140	1,208	877,200

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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. Zero of gage is 158.95 feet above mean sea level, from benchmark of East Bay Municipal Utility District.

Drainage area.- 584 square miles.

Records available.- June 1926 to September 1936.

Extremes.- Maximum discharge during year, 5,290 second-feet June 7 (gage height, 8.57 feet); minimum, 50 second-feet Oct. 2.
1926-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	409	592	398	480	674	2,240	1,660	818	574	816	443	623
2	66	600	619	611	928	2,230	1,300	1,100	582	868	435	633
3	308	411	567	569	617	2,210	1,340	1,870	580	892	562	638
4	632	539	563	559	651	2,210	1,700	2,400	583	599	572	623
5	632	542	569	455	614	2,210	1,600	3,420	573	443	567	461
6	403	551	569	605	637	2,210	1,180	3,500	453	544	572	439
7	574	651	569	605	651	1,600	1,180	2,230	2,380	567	556	450
8	637	651	444	605	605	1,660	1,180	2,100	4,020	572	576	572
9	637	554	560	632	441	1,660	1,230	2,140	2,580	567	453	549
10	619	417	565	632	596	1,640	1,510	2,200	2,630	567	549	604
11	642	588	570	675	670	1,630	1,910	2,440	3,620	576	554	580
12	637	598	619	558	1,480	1,430	2,220	2,550	3,900	446	558	506
13	406	555	614	754	2,640	1,150	2,340	2,650	2,860	536	554	450
14	575	552	590	1,330	2,860	877	2,660	3,260	2,880	536	554	558
15	642	556	491	1,730	3,480	638	2,870	3,530	2,810	531	554	562
16	642	556	550	2,020	3,680	668	3,010	3,650	2,590	514	446	572
17	646	605	568	2,120	3,490	953	3,160	3,820	2,410	523	558	590
18	646	601	601	1,220	3,160	1,200	3,430	3,490	2,380	435	558	595
19	646	552	665	435	1,950	1,210	3,800	3,030	2,650	435	558	628
20	405	558	665	542	1,080	1,210	4,010	2,110	2,250	554	554	461
21	519	555	596	609	1,620	1,210	4,000	765	2,130	554	554	544
22	540	554	491	609	4,260	1,220	4,010	582	2,190	544	554	572
23	546	655	551	609	4,270	1,210	4,010	550	2,040	540	446	585
24	541	477	556	604	4,160	1,210	3,970	925	1,910	540	558	585
25	532	583	435	608	3,990	1,200	3,830	1,270	1,770	544	558	580
26	476	592	553	440	3,230	1,210	3,330	1,880	1,530	439	562	489
27	417	601	660	588	2,660	1,210	3,360	2,290	1,250	554	558	453
28	520	525	665	601	2,660	1,200	3,360	2,140	1,050	536	562	567
29	529	588	435	553	2,390	1,220	3,280	1,610	793	506	450	590
30	547	487	552	601	-	1,310	2,200	732	804	510	450	576
31	565	-	583	490	-	1,680	-	518	-	523	489	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,536	646	66	533	32,800
November	16,846	655	411	562	33,410
December	17,433	665	398	562	34,580
Calendar year 1935	285,205	4,770	66	781	565,700
January	23,449	2,120	435	756	46,510
February	60,144	4,270	441	2,074	119,300
March	44,916	2,240	638	1,449	89,090
April	78,640	4,010	1,180	2,621	156,000
May	65,570	3,820	518	2,115	130,100
June	58,772	4,020	453	1,959	116,600
July	17,311	892	435	558	34,340
August	16,474	576	435	531	32,680
September	16,635	638	439	554	33,000
Water year 1935-36	432,726	4,270	66	1,182	858,400

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 1936.

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, 6,020 second-feet Feb. 22 (gage height, 12.06 feet); minimum, 69 second-feet Oct. 2.
1904-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	516	583	407	493	765	2,220	1,660	1,010	559	802	459	589
2	137	602	571	583	1,070	2,210	1,360	963	602	893	436	628
3	150	457	562	573	691	2,190	1,240	1,700	606	862	516	633
4	618	496	564	559	675	2,190	1,780	2,150	602	686	567	619
5	630	541	564	451	637	2,190	1,690	3,040	597	455	563	506
6	444	552	562	598	654	2,180	1,250	3,570	521	508	567	436
7	530	650	561	598	670	1,920	1,210	2,300	1,460	554	544	448
8	634	654	482	602	625	1,680	1,200	2,020	4,180	567	567	534
9	636	551	497	812	487	1,670	1,200	2,060	2,670	576	492	552
10	626	464	556	794	568	1,650	1,420	2,100	2,410	572	516	606
11	646	545	559	1,060	1,030	1,640	1,730	2,260	3,340	560	554	580
12	642	598	614	634	1,680	1,540	2,160	2,480	3,810	463	554	533
13	451	557	614	774	2,960	1,160	2,270	2,470	2,990	496	550	448
14	537	549	580	1,510	3,100	969	2,530	2,990	2,640	533	550	525
15	642	543	522	1,780	3,540	653	2,790	3,080	2,840	529	550	567
16	642	546	509	2,070	4,430	662	2,990	3,430	2,520	529	467	563
17	642	606	556	2,140	3,750	828	3,050	3,690	2,420	512	512	589
18	642	595	594	1,500	3,360	1,190	3,280	3,460	2,230	451	554	597
19	642	553	658	503	2,140	1,190	3,670	3,020	2,540	428	554	637
20	445	551	666	524	1,220	1,200	3,670	2,280	2,330	525	554	503
21	451	553	610	625	1,730	1,200	3,900	954	1,990	537	559	516
22	530	552	526	625	4,970	1,200	3,900	612	2,150	542	559	567
23	540	654	509	620	4,910	1,200	3,900	560	2,020	537	467	593
24	535	519	556	616	4,220	1,200	3,860	633	1,860	537	521	593
25	518	549	469	620	4,180	1,200	3,830	1,190	1,780	537	554	584
26	463	598	506	486	3,450	1,190	3,240	1,710	1,590	459	542	504
27	451	602	654	560	2,660	1,190	3,220	2,150	1,280	516	559	471
28	467	568	658	616	2,630	1,190	3,230	2,130	1,140	554	567	529
29	525	545	503	565	2,440	1,200	3,210	1,710	763	504	471	593
30	542	519	515	616	-	1,240	2,370	666	846	500	436	637
31	578	-	610	541	-	1,670	-	560	-	508	459	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,454	646	137	531	32,640
November	16,852	654	457	562	33,430
December	17,314	666	407	559	34,340
Calendar year 1935	286,139	4,900	137	784	567,600
January	25,053	2,140	451	808	49,690
February	65,242	4,970	487	2,250	129,400
March	44,812	2,220	653	1,446	88,880
April	77,030	3,900	1,200	2,568	152,800
May	63,348	3,690	560	2,043	125,600
June	57,306	4,180	521	1,910	113,700
July	17,272	893	428	557	34,260
August	16,320	567	436	526	32,370
September	16,680	637	436	556	33,080
Water year 1935-36	433,683	4,970	137	1,185	860,200

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 1936 (low-water records only for 1924 and 1925).

Extremes.- Maximum discharge during year, 4,670 second-feet Feb. 24 (gage height, 21.87 feet); minimum, 31 second-feet Oct. 4.
1924-36: Maximum stage, 26.58 feet, former datum (about 30.6 feet, 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	300	554	466	576	562	2,420	1,410	1,950	464	556	204	222
2	280	803	440	488	943	2,240	1,500	903	417	570	175	321
3	41	596	577	663	870	2,180	1,340	1,190	309	554	170	403
4	184	445	563	564	677	2,140	1,410	1,520	410	511	232	422
5	476	571	562	552	648	2,120	1,560	1,870	390	325	247	411
6	416	544	564	485	640	2,110	1,380	2,560	406	220	291	321
7	299	580	486	602	651	2,070	1,200	3,110	336	212	248	283
8	416	625	513	602	626	1,830	1,130	2,350	2,080	218	234	248
9	470	591	398	697	580	1,690	1,120	1,940	2,780	280	267	321
10	477	528	438	771	480	1,640	1,170	1,900	2,500	274	194	335
11	476	432	482	879	702	1,610	1,350	1,860	2,390	500	219	356
12	666	548	547	825	1,130	1,580	1,620	2,010	2,930	621	234	341
13	552	564	556	591	1,800	1,370	1,660	2,170	3,390	65	242	299
14	420	536	539	1,110	2,320	1,200	2,000	2,310	2,840	141	231	253
15	556	537	536	1,380	2,690	864	2,240	2,660	2,510	210	239	315
16	737	544	431	1,660	3,110	745	2,460	3,110	2,510	164	305	325
17	608	574	504	1,790	3,960	727	2,580	3,220	2,290	195	210	358
18	606	585	521	1,850	3,680	1,070	2,740	3,370	2,070	192	232	371
19	604	564	578	1,060	3,260	1,160	2,970	3,220	2,020	158	236	419
20	551	542	610	593	2,180	1,200	3,410	2,770	2,190	143	224	415
21	389	541	592	654	1,540	1,220	3,630	1,810	2,020	179	258	282
22	381	544	560	659	2,200	892	3,680	673	1,830	175	286	333
23	416	564	438	648	4,110	1,000	3,780	523	1,810	185	299	373
24	385	610	497	637	4,570	1,140	3,760	494	1,610	191	219	381
25	408	476	495	626	4,210	1,160	3,720	875	1,510	192	264	394
26	400	573	400	597	4,050	1,120	3,680	1,120	1,390	245	279	386
27	348	587	561	494	3,400	1,120	3,180	1,450	1,170	154	279	243
28	302	591	618	600	2,780	1,130	3,050	1,790	924	224	272	335
29	367	512	604	566	2,620	1,130	2,970	1,830	771	234	291	390
30	433	577	432	584	-	1,170	2,910	1,400	437	195	228	415
31	429	-	637	574	-	1,310	-	652	-	200	206	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13,393	737	41	432	26,560
November	16,858	803	432	562	33,440
December	16,145	637	398	521	32,020
Calendar year 1935	232,881	4,350	41	638	461,900
January	24,397	1,850	485	787	48,390
February	60,989	4,570	480	2,103	121,000
March	44,358	2,420	727	1,431	87,980
April	70,810	3,780	1,120	2,360	140,400
May	58,610	3,370	494	1,891	116,300
June	48,704	3,390	309	1,623	96,600
July	8,283	621	65	267	16,430
August	7,517	305	170	242	14,910
September	10,271	422	222	342	20,370
Water year 1935-36	380,335	4,570	41	1,039	754,400

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 1936.

Extremes.- Maximum mean daily discharge during year, 523 second-feet June 18-23; no flow Feb. 28 to Mar. 14.
1931-36: Maximum mean daily discharge, 548 second-feet July 29, 1931; no flow at times each year.

Remarks.- Records good. 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 discharge measurements furnished by Pacific Gas & Electric Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	492	471	1.2	80	23	0	37	46	26	383	349	509
2	492	381	315	139	23	0	37	46	26	383	46	509
3	492	45	392	214	57	0	37	45	26	365	414	506
4	481	347	291	186	196	0	37	38	26	68	495	509
5	463	470	208	84	162	0	37	48	24	39	498	475
6	454	471	206	268	13	0	38	34	24	419	498	317
7	467	471	1.1	248	95	0	38	47	24	405	482	291
8	479	373	50	171	74	0	28	46	24	405	461	505
9	492	87	287	79	76	0	8	44	12	405	388	509
10	492	34	228	36	167	0	13	34	16	429	499	509
11	492	171	224	14	51	0	22	3.4	9	408	500	509
12	475	310	205	15	18	0	22	4.7	16	203	502	503
13	474	398	173	15	24	0	23	13	24	406	502	477
14	463	400	160	24	23	0	25	26	24	425	502	505
15	453	313	28	24	23	14	25	26	333	442	484	488
16	461	16	197	24	31	24	26	24	458	443	405	450
17	464	1.1	300	52	38	24	32	24	474	443	484	450
18	470	302	312	95	37	7	51	27	523	444	500	450
19	468	400	243	92	37	1.2	51	26	523	280	500	450
20	467	402	215	162	38	15	49	26	523	449	500	450
21	467	404	51	196	18	22	50	25	523	475	500	447
22	467	316	128	245	12	23	46	26	523	477	500	446
23	467	16	199	286	1.2	23	46	24	523	477	502	446
24	468	1.2	161	307	.1	32	46	24	521	484	503	446
25	471	304	1.1	326	.1	38	45	26	521	351	503	444
26	472	405	160	261	.1	38	46	26	521	45	505	442
27	236	304	185	360	.1	38	47	26	520	387	505	443
28	471	1.1	9	343	0	38	47	26	520	405	505	446
29	471	304	8.5	336	0	38	46	24	521	405	471	446
30	471	251	114	336	-	38	46	24	423	407	312	444
31	472	-	106	324	-	38	-	26	-	407	475	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14,424	492	236	465	28,610
November	8,169.4	471	1.1	272	16,200
December	5,158.9	392	1.1	166	10,230
Calendar year 1935	89,114.0	495	0	244	176,700
January	5,342	360	14	172	10,600
February	1,237.6	196	0	42.7	2,450
March	451.2	38	0	14.6	895
April	1,101	51	8	36.7	2,180
May	905.1	48	3.4	29.2	1,800
June	8,251	523	9	275	16,370
July	11,564	484	39	373	22,940
August	14,290	505	46	461	28,340
September	13,821	509	291	461	27,410
Water year 1935-36	84,715.2	523	0	231	168,000

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 1936.

Extremes.- Maximum discharge during year, 965 second-feet June 6 (gage height, 5.45 feet); minimum, 0.1 second-foot Sept. 19-30.
1927-36: 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 for periods of ice effect, Nov. 5 to Dec. 2, Dec. 7 to Mar. 29, and for periods of missing record, July 6-10, 12-28, computed on basis of weather records and records for Bear River at Pardoe Camp. No storage or diversions. Gage-height record and results of discharge measurements furnished by Pacific & Electric Co.

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

0.2	0.0	1.8	32
.4	.2	2.0	46
.6	.6	2.4	80
.8	1.5	2.8	129
1.0	3.5	3.2	195
1.2	7.5	3.6	280
1.4	13	4.0	385
1.6	21	4.5	550
		5.0	755

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.4	1.1	3.0	18	40	36	182	118	36	0.7	0.3
2	.5	.6	1.1	25	30	50	34	381	118	31	.6	.3
3	.4	.6	1.0	20	25	62	36	521	156	25	.6	.4
4	.3	.6	1.0	50	20	65	32	532	133	21	.5	.5
5	.3	.6	1.0	20	19	65	29	415	161	18	.5	.4
6	.2	1.0	1.0	40	18	65	30	295	366	15	.5	.4
7	.2	3.0	.9	40	17	65	56	231	588	13	.4	.3
8	.2	3.0	.9	30	16	70	108	312	280	11	.4	.3
9	.2	2.0	.9	35	15	90	137	400	265	10	.4	.3
10	.2	1.0	.9	100	15	90	132	430	314	14	.4	.3
11	.4	.6	.9	150	50	75	243	400	374	18	.4	.3
12	.5	.6	3.5	125	200	85	280	425	298	14	.4	.2
13	.3	.6	3.0	100	120	85	310	566	272	12	.4	.2
14	.4	.6	2.5	200	125	85	350	570	205	11	.4	.2
15	.6	.6	2.0	300	115	85	400	445	197	10	.4	.2
16	.5	.6	1.5	200	100	90	415	400	201	9	.4	.2
17	.4	.8	1.2	150	80	90	415	423	225	8	.4	.2
18	1.4	1.6	1.0	80	55	80	376	426	221	7	.4	.2
19	1.9	2.0	1.0	60	35	90	342	298	195	6	.4	.1
20	1.1	2.0	1.0	50	20	100	385	237	181	5.5	.4	.1
21	.9	2.0	1.0	40	100	100	367	262	163	5	.4	.1
22	.6	2.0	1.0	35	600	100	400	327	156	4.5	.4	.1
23	.4	2.0	1.0	30	300	70	385	384	149	4	.4	.1
24	.4	2.0	1.0	35	150	55	361	392	125	3.5	.4	.1
25	.4	2.0	1.0	30	75	50	322	414	105	3	.4	.1
26	.3	1.8	1.0	25	40	50	338	330	83	2.5	.4	.1
27	.3	1.6	1.2	20	35	45	310	364	69	2	.3	.1
28	.3	1.4	5	18	32	45	253	247	56	1.5	.3	.1
29	.4	1.3	4.0	20	32	45	190	151	46	1.0	.3	.1
30	.4	1.2	3.5	16	-	42	148	132	39	.9	.3	.1
31	.4	-	3.0	15	-	39	-	140	-	.8	.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15.0	1.9	0.2	0.48	30
November	40.1	3.0	.4	1.34	80
December	50.1	5	.9	1.62	99
Calendar year 1935	26,730.7	515	.2	73.2	53,010
January	2,062.0	300	3.0	66.5	4,090
February	2,457	600	15	84.7	4,870
March	2,168	100	39	69.9	4,300
April	7,270	415	29	242	14,420
May	11,032	570	132	356	21,880
June	5,859	588	39	195	11,620
July	323.2	36	.8	10.4	641
August	12.9	.7	.3	.42	26
September	6.4	.5	.1	.21	13
Water year 1935-36	31,295.7	600	.1	85.5	62,070

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 1936.

Extremes.- Maximum discharge during year, 1,600 second-feet June 7 (gage height, 6.72 feet); minimum, 3.7 second-feet Oct. 27, 28.
1927-36: 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 good. Discharge Jan. 31 to Feb. 27 computed on basis of one discharge measurement and unpublished record of Pacific Gas & Electric Co. at mouth. 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 discharge measurements furnished by Pacific Gas & Electric Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	4.2	52	20	-	95	30	265	201	65	11	8
2	7	5	51	33	-	98	30	561	209	59	11	8
3	6	4.5	51	32	-	101	32	850	300	49	11	8
4	5.5	4.5	50	46	-	101	31	870	225	42	11	8
5	5.5	4.5	49	35	-	100	30	710	258	35	10	8
6	5.5	4.9	48	34	-	101	32	480	567	29	10	7.5
7	5	5	47	48	-	103	42	366	1,080	26	10	8
8	4.9	5	47	46	-	108	55	512	512	23	10	8
9	4.9	4.9	46	63	-	112	68	652	453	21	10	8
10	4.9	28	45	113	-	113	86	710	480	27	10	8
11	5.5	66	44	112	-	114	129	690	548	49	10	8
12	5.5	66	44	79	-	118	420	652	480	25	10	8
13	5.5	66	43	72	-	119	465	870	411	18	10	8
14	6.5	65	42	115	-	120	530	970	335	15	10	8
15	7.5	64	41	131	-	122	600	730	275	13	10	32
16	6.5	63	41	106	-	124	690	670	290	12	10	56
17	5.5	64	39	83	-	127	710	670	308	12	10	56
18	5.5	63	38	78	-	127	652	690	312	12	9.5	56
19	5.5	62	37	75	-	131	582	530	278	12	9.5	57
20	5.5	61	36	72	-	137	635	399	247	12	9.5	58
21	5.5	60	34	70	-	144	670	444	225	12	9.5	58
22	5	59	33	68	-	140	730	530	217	12	9	59
23	4.2	58	32	67	-	130	652	635	203	11	9	59
24	3.9	58	30	66	-	126	618	635	180	11	9	59
25	3.9	57	29	64	-	120	548	670	152	11	9	58
26	3.9	56	27	62	-	118	548	582	126	11	9	57
27	3.9	55	27	60	-	96	512	582	108	11	9	56
28	3.9	54	25	63	100	31	444	495	93	11	8.5	56
29	3.9	53	26	63	96	36	325	275	79	11	8.5	56
30	4.1	53	24	62	-	35	232	225	69	11	8	56
31	4.1	-	22	56	-	31	-	243	-	11	8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	161.5	7.5	3.9	5.21	320
November	1,273.5	66	4.2	42.4	2,530
December	1,200	52	22	38.7	2,380
Calendar year 1935	40,119.5	790	3.9	110	79,570
January	2,094	131	20	67.5	4,150
February	2,900	-	-	100	5,750
March	3,278	144	31	106	6,500
April	11,128	730	30	371	22,070
May	18,163	970	225	586	36,030
June	9,221	1,080	69	307	18,290
July	679	65	11	21.9	1,350
August	299.0	11	8	9.65	593
September	1,000.5	59	7.5	33.4	1,980
Water year 1935-36	51,397.5	1,080	3.9	140	101,900

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 1936; October 1911 to October 1926, staff gage about 1,200 feet upstream.

Average discharge.- 24 years (1912-36), 49.0 second-feet.

Extremes.- Maximum discharge during year, 2,100 second-feet Feb. 22 (gage height, 7.22 feet) by slope-area method; minimum, 0.4 second-foot Sept. 22.
1911-36: 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. Several diversions above station.

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

0.6	0.4	2.0	106	3.6	473
.8	2.3	2.2	141	4.0	565
1.0	8	2.4	180	4.5	735
1.2	18	2.6	222	5.0	915
1.4	32	2.8	268	5.5	1,125
1.6	51	3.0	316	6.0	1,380
1.8	75	3.3	392	6.5	1,665

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.4	4.9	6.5	11	68	227	147	121	50	22	6.5	3.7
2	3.9	9	6	19	152	216	136	118	48	22	6.5	3.7
3	4.4	8	6.5	27	78	212	170	120	56	21	6.5	5.5
4	3.4	6.5	6.5	27	61	203	269	125	56	20	5.5	6
5	3.4	6	6.5	27	52	195	190	123	51	20	4.6	5.5
6	3.9	6	6.5	19	46	184	164	116	66	20	4.9	4.9
7	3.7	6.5	6.5	15	43	178	154	106	106	17	4.4	4.9
8	3.4	6.5	7	16	39	176	156	101	82	17	4.6	4.6
9	3.4	6.5	7	107	37	176	160	98	69	19	4.4	4.1
10	3.2	6.5	7	110	35	176	168	96	62	19	4.9	3.7
11	4.6	6.5	7	224	211	170	182	95	56	21	4.9	3.2
12	7.5	6	17	98	577	170	193	92	51	19	4.9	3.0
13	6	6	12	67	571	166	197	90	49	16	4.9	3.2
14	7	6	8.5	212	756	162	203	90	47	15	4.9	3.4
15	11	6	7.5	135	366	156	214	86	46	14	4.6	3.9
16	8.5	7	7.5	191	379	150	220	80	42	14	4.6	4.4
17	6.5	14	7.5	105	285	150	224	75	39	11	4.6	4.1
18	5.5	12	7.5	69	224	145	214	71	36	8.5	4.4	3.9
19	5.5	8.5	6.5	55	212	139	201	68	36	8.5	4.1	3.4
20	4.9	7.5	6.5	45	199	139	190	64	33	9	3.9	3.4
21	4.9	6.5	7	39	398	141	190	62	31	8.5	4.1	3.4
22	4.4	6.5	6.5	35	1,490	139	188	59	30	9	4.4	2.8
23	4.4	6.5	7	32	949	132	180	57	28	9	4.4	3.4
24	4.6	7	6.5	30	604	132	170	55	26	8.5	4.1	3.4
25	4.6	7	6.5	28	468	121	158	53	26	11	3.9	3.7
26	4.6	6.5	6.5	26	366	113	150	52	25	11	3.9	3.4
27	4.6	6.5	8	26	316	108	145	51	23	8.5	3.7	3.2
28	4.9	6.5	8	25	278	106	139	63	23	9	3.9	3.2
29	4.9	6.5	22	26	247	134	137	57	22	7.5	3.9	3.7
30	4.6	6.5	18	23	-	176	130	57	22	7	3.7	3.9
31	4.6	-	14	23	-	189	-	53	-	6.5	3.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	152.2	11	1.4	4.91	302
November	211.9	14	4.9	7.06	420
December	263.5	22	6	8.50	523
Calendar year 1935	19,371.7	709	.6	53.1	38,440
January	1,892	224	11	61.0	3,750
February	9,507	1,490	35	328	18,860
March	4,981	227	106	161	9,880
April	5,339	269	130	178	10,590
May	2,554	125	51	82.4	5,070
June	1,337	106	22	44.6	2,650
July	428.5	22	6.5	13.8	850
August	142.3	6.5	3.7	4.59	282
September	116.6	6	2.8	3.89	231
Water year 1935-36	26,925.0	1,490	1.4	73.6	53,410

South Fork of Mokelumne River near West Point, Calif.

Location.- Water-stage recorder, lat. 38°22'0", long. 120°33'0", in SW¼ sec. 16, T. 6 N., R. 13 E., 300 feet above Sawyer Bridge, 2 miles above junction with Middle Fork, and 2½ miles southwest of West Point. Altitude, about 2,000 feet.

Drainage area.- 73.8 square miles.

Records available.- October 1933 to September 1936.

Extremes.- Maximum discharge during year, about 3,600 second-feet Feb. 22 (gage height, 8.90 feet) from rating curve extended above 710 second-feet; minimum, 2.2 second-feet Oct. 1.

1933-36: Maximum discharge, that of Feb. 22, 1936; no flow Aug. 6, 7, and Aug. 12 to Sept. 26, 1934.

Remarks.- Records good. Small diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.7	8	9.5	17	115	288	188	133	63	29	12	10
2	9	15	9.5	24	272	273	175	127	62	29	12	12
3	9.5	13	9	37	122	265	238	127	63	28	13	16
4	8	10	9	32	94	258	452	127	69	28	15	18
5	6.5	9.5	9	38	79	246	236	124	69	28	15	18
6	6.5	9.5	9	25	66	239	188	121	74	26	15	16
7	6	9.5	9	20	60	239	172	119	136	24	14	12
8	5.5	9.5	9.5	21	54	236	175	116	116	23	14	8.5
9	5.5	9.5	9.5	148	50	236	191	116	99	25	14	7
10	4.8	9.5	9.5	151	46	236	214	114	82	26	13	8
11	7	9	9.5	278	362	228	239	111	74	28	14	8
12	17	8.5	21	121	936	225	254	107	69	28	15	10
13	11	8	16	84	829	218	265	99	62	26	15	12
14	9.5	8	12	243	1,110	211	277	95	58	22	15	11
15	19	8	11	220	517	201	284	95	55	22	13	12
16	13	8	10	241	606	194	292	91	52	19	12	10
17	11	16	9.5	133	481	194	292	84	50	22	12	9.5
18	9.5	15	9.5	93	339	191	269	80	48	22	12	9
19	9	11	9	73	295	184	246	74	46	22	10	8
20	8.5	10	9.5	62	269	184	239	72	43	24	9	7.5
21	8	9.5	9.5	54	487	188	236	71	40	25	9	8.5
22	7.5	9.5	9	49	2,560	184	232	67	39	22	12	8
23	7	9.5	9	45	1,630	172	218	63	35	20	12	10
24	7	9.5	9	43	922	172	204	60	34	19	9.5	8.5
25	7.5	9.5	9	38	651	156	184	58	33	16	8.5	9
26	7.5	9.5	9	37	500	144	175	58	30	14	8.5	9
27	7	9.5	12	35	416	136	166	56	29	13	8	8.5
28	7	10	12	34	358	130	162	58	29	12	8	9
29	6.5	9.5	30	34	315	153	156	67	29	12	8	10
30	6.5	9.5	26	33	-	237	147	67	30	13	8.5	10
31	7	-	20	32	-	274	-	67	-	13	9.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	257.0	19	2.7	8.29	510
November	300	16	8	10	595
December	364.0	30	9	11.7	722
Calendar year 1935	25,556.9	1,170	2.7	70.0	50,690
January	2,495	278	17	80.5	4,950
February	14,541	2,560	46	501	28,840
March	6,492	288	130	209	12,880
April	6,766	452	147	226	13,420
May	2,824	133	56	91.1	5,600
June	1,718	136	29	57.3	3,410
July	680	29	12	21.9	1,350
August	365.5	15	8	11.8	725
September	313.0	18	7	10.4	621
Water year 1935-36	37,115.5	2,560	2.7	101	73,620

Woodbridge Canal at Woodbridge, Calif.

Location.- Three water-stage recorders, lat. 38°9'10", long. 121°18'0", 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 1936.

Extremes.- Maximum mean daily discharge during year, 329 second-feet July 22; no flow Nov. 3 to Dec. 7 and Jan. 1 to Mar. 21.
1926-36: Maximum mean daily discharge, that of July 22, 1936; no flow part of each year.

Remarks.- Records excellent. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	165	56	0			0	56	183	168	308	273	231
2	139	17	0			0	28	183	175	300	248	234
3	106	0	0			0	19	187	209	255	244	176
4	136	0	0			0	25	194	194	242	274	170
5	133	0	0			0	26	218	199	244	270	136
6	125	0	0			0	42	208	189	264	255	114
7	120	0	0			0	32	188	179	292	273	159
8	127	0	9			0	30	167	160	299	272	182
9	118	0	10			0	44	164	183	284	240	194
10	118	0	30			0	52	160	199	284	246	184
11	119	0	40			0	68	191	198	226	257	198
12	60	0	43			0	91	219	223	81	255	201
13	29	0	41			0	88	211	240	208	244	173
14	24	0	37			0	90	198	228	287	257	183
15	-8	0	30			0	93	203	246	294	232	194
16	-18	0	20			0	108	204	251	308	198	193
17	18	0	21			0	140	180	269	312	226	180
18	24	0	21			0	140	191	289	298	248	174
19	29	0	22			0	129	189	282	268	259	164
20	29	0	18			0	129	194	279	293	270	150
21	29	0	16			0	128	206	248	326	255	146
22	61	0	16			35	128	218	275	329	231	171
23	67	0	15			60	126	220	238	312	208	173
24	87	0	28			17	122	184	308	314	213	173
25	98	0	32			28	113	186	321	304	202	162
26	102	0	25			54	106	214	319	284	220	164
27	106	0	24			67	118	212	314	287	233	140
28	104	0	21			52	143	220	309	282	235	144
29	113	0	16			46	174	198	266	272	203	157
30	102	0	15			22	166	154	312	272	206	170
31	96	-	2.2			35	-	154	-	275	221	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,558	165	-	82.5	5,070
November	73	56	0	2.43	145
December	552.2	43	0	17.8	1,100
Calendar year 1935	37,300.2	308	0	102	73,980
January	0	0	0	0	0
February	0	0	0	0	0
March	416	67	0	13.4	825
April	2,774	186	19	92.5	5,500
May	5,998	220	154	193	11,900
June	7,320	321	160	244	14,520
July	8,604	329	81	278	17,070
August	7,468	274	198	241	14,810
September	5,190	234	114	173	10,290
Water year 1935-36	40,953.2	329	0	112	81,230

Note.- Woodbridge Reservoir was temporarily drawn down on Oct. 15, 16, negative flow indicating that canal was returning water to reservoir. This flow was computed negative in order to give correct amount of water diverted by canal.

Sutter Creek near Sutter Creek, Calif.

Location.- Staff gage, lat. 38°23'30", long. 120°46'50", in sec. 9, T. 6 N., R. 11 E., 1.3 miles east of Sutter Creek. Altitude, about 1,150 feet.

Drainage area.- 50.6 square miles.

Records available.- January to September 1936. February 1922 to December 1935 at site 1.7 miles downstream. Flow from mine drainage and town sewers enters between.

Extremes.- Maximum discharge during period, 3,900 second-feet Feb. 22 (gage height, 12.0 feet), this exceeds maximum recorded at downstream station, 1922-35; no flow Aug. 31.

Remarks.- Records fair. Staff gage read twice daily. Small diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				7.5	62	122	89	17	12	3.2	0.4	0.1
2				10	148	108	74	13	13	2.6	.4	.1
3				22	75	94	114	13	27	2.6	.4	.1
4				16	48	87	430	12	20	2.2	.4	.8
5				17	39	80	259	12	14	2.2	.4	1.2
6				13	31	74	128	10	33	2.2	.3	1.0
7				8.5	28	64	96	10	60	2.0	.3	.8
8				7.5	24	60	81	8.5	60	1.8	.2	.7
9				211	23	58	71	8	36	2.2	.2	.6
10				138	20	52	64	7	17	3.2	.2	.5
11				382	113	50	60	6	14	2.9	.2	.5
12				79	535	47	55	6	12	2.6	.2	.5
13				60	482	43	50	6	10	2.2	.2	.5
14				321	970	43	47	19	10	2.0	.2	.6
15				211	398	43	43	20	10	1.8	.1	.7
16				193	785	42	36	17	10	1.6	.1	.7
17				87	430	36	35	17	10	1.4	.1	.5
18				59	278	35	33	16	8.5	1.4	.1	.5
19				39	306	33	30	14	8.5	1.4	.1	.5
20				32	306	33	27	14	8	1.3	.1	.4
21				29	292	33	25	14	7	1.3	.1	.4
22				24	1,830	33	27	14	6.5	1.1	.2	.2
23				21	1,170	30	27	12	5	1.0	.2	.2
24				18	695	33	23	10	4.5	1.0	.2	.2
25				16	535	35	20	10	4.5	.8	.2	.1
26				16	370	33	20	10	4.0	.8	.2	.1
27				13	285	27	17	10	4.0	1.0	.1	.1
28				14	246	30	17	20	4.0	.8	.1	.1
29				11	165	43	20	17	3.2	.7	.1	.1
30				11	-	108	20	17	3.2	.6	.1	.1
31				10	-	157	-	13	-	.4	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	2,096.5	382	7.5	67.6	4,160
February	10,689	1,830	20	369	21,200
March	1,766	157	27	57.0	3,500
April	2,038	430	17	67.9	4,040
May	392.5	20	6	12.7	779
June	438.5	60	3.2	14.6	871
July	523	3.2	.4	1.69	104
August	6.1	.4	0	.20	12
September	12.9	1.2	.1	.43	26
The period					34,690

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 December 1935 (discontinued).

Average discharge.- 11 years (1922-23,1925-35), 28.3 second-feet.

Extremes.- 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 good. Staff gage read twice daily. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	2.2	5									
2	1.7	3.2	4.9									
3	1.2	4.4	4.6									
4	1.0	4.0	4.9									
5	1.2	3.5	4.6									
6	1.0	3.4	4.4									
7	1.1	2.8	4.2									
8	1.1	2.7	4.4									
9	1.4	3.0	6									
10	1.1	3.0	4.9									
11	2.7	3.2	3.9									
12	1.6	2.8	15									
13	1.0	3.4	12									
14	7.5	3.2	8									
15	1.6	3.0	6.5									
16	2.8	3.1	7									
17	2.7	11	4.2									
18	2.7	9	5.5									
19	1.9	7	4.9									
20	2.4	5.5	4.7									
21	2.5	4.7	4.4									
22	2.5	5.5	5.5									
23	2.5	5.5	4.9									
24	2.5	4.9	4.9									
25	2.2	5	4.9									
26	2.6	5.5	5									
27	2.5	5	6									
28	2.2	3.5	7									
29	3.0	5	24									
30	3.1	5.5	19									
31	2.7	-	14									

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1935	67.0	7.5	1.0	2.16	133
November	133.5	11	2.2	4.45	265
December	219.2	24	3.9	7.07	435
Calendar year 1935	11,675.4	710	.7	32.0	23,160
January					
February					
March					
April					
May					
June					
July					
August					
September					
The period					833

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 1936. August 1911 to September 1933, staff gage 1½ miles upstream.

Average discharge.- 25 years, 188 second-feet.

Extremes.- Maximum discharge during year, 6,520 second-feet Feb. 22 (gage height, 8.80 feet); minimum, 1.5 second-feet Oct. 1.
1911-36: Maximum discharge, about 7,600 second-feet Mar. 25, 1928 (gage height, 15.2 feet, former site and datum); no flow part of 1924, 1926, 1931, 1933, 1934.

Remarks.- Records good. Irrigation diversions above station.

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

0.8	1.1	4.0	1,270
1.0	3.9	4.5	1,660
1.2	14	5.0	2,100
1.4	32	5.5	2,590
1.6	64	6.0	3,110
1.9	132	6.5	3,660
2.2	234	7.0	4,240
2.5	365	7.5	4,840
3.0	620	8.0	5,480
3.5	925		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	10	14	46	549	759	576	425	179	60	13	5.5
2	2.6	13	14	50	908	723	515	415	162	57	13	5.5
3	2.3	25	14	141	395	711	604	440	165	53	13	6.5
4	5	20	15	112	307	699	1,130	470	207	48	13	10
5	6.5	16	15	159	263	670	747	465	176	45	12	14
6	5.5	14	15	96	226	642	609	430	196	42	12	12
7	4.7	14	15	70	207	620	560	375	530	39	12	10
8	3.9	14	16	60	193	604	560	360	465	38	12	8.5
9	3.7	14	17	338	176	592	555	365	352	39	10	8
10	3.7	14	18	687	162	592	614	365	311	40	10	7
11	5	14	16	1,190	499	582	681	370	280	43	11	7
12	8.5	13	32	525	2,190	570	735	365	263	46	11	7
13	16	13	55	338	2,100	560	765	370	234	38	10	7
14	16	12	31	1,600	3,630	550	783	390	215	35	10	7.5
15	22	13	23	1,280	1,780	525	802	370	207	31	10	7.5
16	28	12	20	1,560	2,350	505	828	342	186	29	9	7.5
17	22	21	18	753	1,660	500	821	320	169	26	8	7
18	16	36	17	500	1,130	485	783	311	156	24	8	6.5
19	13	25	16	380	990	465	723	302	144	23	8	6.5
20	11	20	14	311	958	460	675	268	132	22	7.5	5.5
21	10	17	15	259	1,500	465	664	242	127	21	7	5.5
22	10	16	15	223	5,480	460	664	234	117	20	7.5	5.5
23	9	20	14	200	4,600	435	648	226	107	20	7	5
24	8.5	20	14	179	2,590	440	614	226	98	19	7.5	5
25	8.5	19	15	165	2,060	410	570	226	91	17	7	4.7
26	8	18	15	153	1,380	365	540	219	82	16	6	4.3
27	8	16	19	141	1,130	342	515	215	78	16	6	3.9
28	8	16	24	135	958	329	490	247	72	16	5.5	3.9
29	8	15	33	132	834	520	490	226	68	16	5.5	4.3
30	8.5	15	72	124	-	636	460	196	64	14	5.5	4.7
31	8.5	-	57	120	-	808	-	193	-	14	5.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	292.1	28	1.7	9.42	579
November	505	36	10	16.8	1,000
December	688	72	14	22.2	1,360
Calendar year 1935	74,244.4	3,800	1.5	203	147,200
January	12,027	1,600	46	388	23,860
February	41,205	5,480	162	1,421	81,730
March	17,024	808	329	549	33,770
April	19,721	1,130	460	657	39,120
May	9,968	470	193	322	19,770
June	5,633	530	64	188	11,170
July	967	60	14	31.2	1,920
August	282.5	13	5.5	9.11	560
September	202.8	14	3.9	6.76	402
Water year 1935-36	108,515.4	5,480	1.7	296	215,200

Cosumnes River at Michigan Bar, Calif.

Location.- Water-stage recorder, lat. 38°30'0", 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 1936.

Average discharge.- 29 years, 445 second-feet.

Extremes.- Maximum discharge during year, 18,200 second-feet Feb. 22 (gage height, 9.95 feet); minimum, 1.4 second-feet Oct. 1.

1907-36: Maximum discharge, 23,800 second-feet Feb. 6, 1925 (gage height, 11.2 feet) from rating curve extended above 14,000 second-feet; no flow part of 1908, 1918, 1919, 1924-26, 1931, 1934.

Remarks.- Records excellent. Irrigation diversions above station.

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

1.7	0.7	3.4	280	6.4	4,910
1.8	2.0	3.6	380	6.8	6,090
2.0	8.5	3.8	500	7.2	7,330
2.2	20.0	4.0	640	7.6	8,610
2.4	38	4.4	1,010	8.0	10,000
2.6	63	4.8	1,510	8.5	11,900
2.8	95	5.2	2,170	9.0	13,900
3.0	138	5.6	2,950	9.5	16,040
3.2	197	6.0	3,850		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	17	28	103	2,080	1,900	1,270	840	370	107	23	5.5
2	1.9	20	28	109	3,280	1,740	1,060	810	340	101	22	5.5
3	2.0	30	27	244	1,120	1,640	1,320	840	325	95	21	4.5
4	4.9	44	27	248	783	1,600	3,500	940	375	90	20	5.5
5	9	35	27	276	656	1,520	2,040	950	375	85	19	11
6	11	30	27	201	570	1,440	1,500	860	350	81	19	17
7	10	28	28	146	500	1,380	1,280	774	820	75	18	22
8	9	27	29	126	458	1,330	1,240	712	940	70	16	20
9	8.5	27	31	834	422	1,300	1,280	696	688	72	16	11
10	7.5	27	32	1,850	392	1,290	1,360	704	584	75	19	8.5
11	8.5	27	32	3,790	2,030	1,250	1,500	720	528	76	16	7.5
12	11	26	43	1,470	6,860	1,230	1,600	720	488	83	14	7
13	24	26	92	830	6,090	1,200	1,660	704	452	75	14	6.5
14	40	25	78	3,930	8,610	1,160	1,660	729	398	66	13	6
15	42	24	55	2,950	4,630	1,110	1,690	738	375	58	13	6
16	53	24	48	3,850	7,180	1,060	1,740	680	340	53	12	6
17	53	35	43	1,800	5,060	1,040	1,740	640	310	49	11	6
18	40	56	38	1,120	3,380	1,010	1,640	612	290	46	10	6
19	30	63	37	830	2,840	960	1,510	591	266	44	10	5.5
20	26	46	32	672	2,700	950	1,400	542	240	42	9.5	5.5
21	22	37	33	570	4,260	950	1,370	494	224	39	9	4.9
22	19	34	36	488	15,600	950	1,370	470	208	38	8.5	4.9
23	19	35	35	434	13,500	900	1,330	458	194	36	8.5	4.2
24	18	39	33	398	7,170	890	1,270	452	176	37	8.5	4.5
25	17	39	32	365	6,090	880	1,170	452	160	39	7.5	4.2
26	16	36	32	340	3,850	756	1,110	446	146	30	7.5	4.2
27	16	33	38	315	3,060	688	1,050	434	136	28	7	4.0
28	16	32	45	305	2,520	656	980	446	129	27	6	4.0
29	16	30	80	295	2,170	910	970	494	122	27	6	3.8
30	16	29	136	280	-	1,200	930	422	115	26	5.5	3.8
31	16	-	117	262	-	2,170	-	392	-	24	5.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	583.8	53	1.5	18.8	1,160
November	981	63	17	32.7	1,950
December	1,399	136	27	45.1	2,770
Calendar year 1935	183,897.3	11,300	1.4	504	364,800
January	29,431	3,930	103	949	58,380
February	117,861	15,600	392	4,064	233,800
March	37,060	2,170	656	1,195	73,510
April	43,540	3,500	930	1,451	86,360
May	19,762	950	392	637	39,200
June	10,466	940	115	349	20,760
July	1,794	107	24	57.9	3,560
August	395.0	23	5.5	12.7	783
September	215.0	22	3.8	7.17	426
Water year 1935-36	263,487.8	15,600	1.5	720	522,700

Drew Creek near Lakeview, Oreg.

Location.- Staff gage, lat. 42°7', 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 1936 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 observed during period, 465 second-feet Mar. 3-9 (gage height, 3.80 feet); no flow at times.
1909-36: Maximum discharge (estimated), 3,000 second-feet Mar. 1, 2, 1910; no flow at times.

Remarks.- Records fair. Staff gage read daily Mar. 1-9; for other periods gage was read about twice a week; discharge interpolated for days when gage was not read. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					-	385	6	40	28	55	56	30
2					-	405	6	164	28	55	52	29
3					-	465	6	239	28	55	48	28
4					-	465	10	239	28	55	45	26
5					-	465	14	239	28	55	45	26
6					-	465	19	239	28	55	46	26
7					-	465	26	239	13	55	46	26
8					-	465	34	214	6	55	46	23
9					-	465	41	190	6	55	46	21
10					-	465	48	190	6	55	46	18
11					-	465	40	190	6	55	43	16
12					-	465	32	188	8	55	40	13
13					-	465	24	186	11	55	38	13
14					-	465	22	184	13	56	35	13
15					-	465	20	182	14	57	35	5
16					-	465	18	180	22	58	35	0
17					-	465	16	178	30	59	35	0
18					-	15	16	175	39	58	32	0
19					-	14	15	166	47	56	30	0
20					-	13	15	158	55	55	27	0
21					-	12	14	149	64	56	24	0
22					24	10	13	140	63	57	24	0
23					37	8	12	129	62	57	24	0
24					50	8	11	119	61	58	24	0
25					64	7	11	108	60	59	30	0
26					77	6	12	96	59	59	36	0
27					136	6	12	84	58	59	36	0
28					196	6	19	71	57	59	36	0
29					256	6	26	59	56	59	32	0
30					-	6	33	49	55	59	32	0
31					-	6	-	38	-	59	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February 22-29	840	256	24	105	1,670
March	7,888	465	6	254	15,650
April	591	48	6	19.7	1,170
May	4,822	239	38	156	9,560
June	1,039	64	6	34.6	2,060
July	1,755	59	55	56.6	3,480
August	1,156	56	24	37.3	2,290
September	313	30	0	10.4	621
The period					36,500

Drew Creek near Lakeview, Oreg.

(Continued)

Monthly stage and contents, Drew Creek Reservoir near Lakeview, Oreg., water year 1935-36

Date	Gage height in feet	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	44.1	25,060	----
Oct. 31	43.9	24,550	-510
Nov. 30	43.8	24,300	-250
Dec. 31	43.8	24,300	0
Jan. 31	44.4	25,840	+1,540
Feb. 29	45.5	28,800	+2,960
Mar. 31	46.3	31,070	+2,270
Apr. 30	55.0	62,500	+31,430
May 31	54.0	58,070	-4,430
June 30	52.9	53,480	-4,590
July 31	50.2	43,490	-9,990
Aug. 31	48.4	37,480	-6,010
Sept. 30	--	*35,890	-1,590
The water year			-10,830

*Estimated.

Note.- Maximum contents for year, 62,960 acre-feet May 1-8.

Run-off, in acre-feet, of North Drew Canal near Lakeview, Oreg., water year 1935-36

March	708
May	1,540
June	2,790
July	4,790
August	2,190
September	351
The water year	12,369

Note.- No flow during months not shown.

Cottonwood Creek near Lakeview, Oreg.

Location.- Water-stage recorder, 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 1936 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, 114 second-feet during period when clock of water-stage recorder was stopped, Mar. 26 to Apr. 22 (gage height, 3.07 feet); minimum not determined.

1908-19, 1924-36: Maximum discharge, 500 to 1,000 second-feet during period Apr. 26 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 gate; no flow at times.

Remarks.- Records good except those estimated for Aug. 10-27, 29-31, Sept. 1-8, 11-15, 18-30, which are poor. Considerable regulation since 1923 caused by operation of Cottonwood Reservoir, 200 yards above gage.

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

Oct. 1 to Nov. 6				Mar. 14 to Sept. 30			
1.2	0	1.9	14	1.2	0	2.2	24
1.4	1.6	2.2	26	1.4	1.5	2.5	43
1.6	5.9	2.5	46	1.6	5.0	2.8	76
				1.9	12	3.2	136

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0					-	-	45	27	37	31	
2	1.0					-	-	45	20	37	31	
3	1.2					-	-	46	20	37	31	
4	1.2					-	-	46	20	37	31	
5	1.4					-	-	46	27	37	30	15
6	1.6	2.8				-	-	46	35	36	30	
7	1.6					-	-	47	48	36	29	
8	1.6					-	-	47	50	36	29	
9	1.6					-	-	46	41	35	29	14
10	2.0					-	-	47	20	32		14
11	3.0					-	-	62	28	28		
12	2.6					-	-	75	38	27		
13	2.6					-	-	79	38	27		7
14	3.0					43	-	71	38	28		
15	3.0					45	-	71	38	31		
16	2.8					50	-	71	27	31		4.4
17	2.8					62	-	71	18	31		4.4
18	2.6					66	-	63	19	30	20	
19	2.6					66	-	44	29	33		
20	2.6					23	-	40	33	34		
21	2.4					11	-	40	33	33		
22	2.2					23	64	39	33	33		
23	2.6					24	66	37	37	33		
24	3.0					24	66	33	37	32		3.0
25	2.8					24	68	37	37	26		
26	2.8					-	68	43	37	26		
27	2.8					-	68	44	37	26		
28	2.6					-	64	43	37	26	16	
29	2.2					-	56	43	37	26	16	
30	2.8					-	51	38	37	26	16	
31	3.0					-	-	32	-	28	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October		3.0	1.0	2.29	141
November		-	-	-	-
December		-	-	-	-
Calendar year					
January		-	-	-	-
February		-	-	-	-
March		-	-	-	-
April 22-30		68	51	63.5	1,130
May		79	32	49.6	3,050
June		50	18	32.5	1,940
July		37	26	31.5	1,930
August		31	16	22.4	1,380
September				7.69	458
Water year					

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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 1936; November 1910 to December 1911, April 1919 to December 1930 at staff-gage station 1,200 feet upstream.

Average discharge.- 17 years (1919-36), 907 second-feet.

Extremes.- Maximum discharge during year, 21,300 second-feet Feb. 21 (gage height, 13.06 feet); minimum, 138 second-feet Oct. 1, Sept. 24.

1910-11, 1919-36: 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 1935-36 (gage height, in feet, and discharge, in second-feet)

1.2	105	2.4	530	3.6	1,330	5.6	3,700	8.0	8,000
1.4	155	2.6	635	3.8	1,510	6.0	4,340	8.5	9,060
1.6	215	2.8	750	4.0	1,700	6.4	4,980	9.0	10,160
1.8	280	3.0	880	4.4	2,110	6.8	5,700	9.5	11,360
2.0	355	3.2	1,020	4.8	2,580	7.2	6,420	10.0	12,600
2.2	435	3.4	1,170	5.2	3,120	7.6	7,200	11.0	15,200

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	142	197	194	423	608	2,000	750	1,330	591	471	218	161
2	164	203	194	752	580	1,950	732	1,290	580	448	212	167
3	188	194	194	657	540	1,950	1,140	1,290	560	435	209	170
4	182	186	191	808	520	1,850	1,750	1,600	560	423	206	176
5	176	191	197	708	500	1,750	1,380	1,460	535	415	203	185
6	170	194	290	525	480	1,700	1,210	1,290	635	403	203	179
7	167	194	335	435	462	1,600	1,210	1,210	1,910	387	200	170
8	164	191	343	512	453	1,510	1,250	1,210	2,340	387	197	164
9	161	191	266	1,460	435	1,560	1,250	1,250	1,650	510	194	158
10	161	188	239	3,190	431	1,460	1,330	1,330	1,250	456	194	155
11	176	185	367	7,540	480	1,380	1,510	1,330	1,060	419	197	155
12	191	188	680	2,520	2,580	1,330	1,700	1,290	950	391	197	158
13	185	191	367	3,400	3,470	1,330	1,800	1,380	867	375	191	164
14	239	191	294	5,300	2,520	1,290	1,900	1,750	1,050	359	188	167
15	280	197	266	6,800	2,910	1,210	2,060	1,510	3,840	343	182	167
16	242	209	245	4,500	5,160	1,170	2,110	1,210	2,000	327	179	164
17	215	203	239	2,640	4,260	1,210	2,060	1,060	1,510	315	179	158
18	200	215	227	1,850	3,940	1,210	2,000	985	1,250	301	179	155
19	194	212	215	1,460	3,260	1,170	1,900	950	1,130	294	176	152
20	188	212	209	1,210	2,910	1,210	1,800	854	985	287	173	150
21	185	206	206	1,020	13,800	1,290	1,750	789	680	273	173	148
22	185	239	203	915	10,200	1,210	1,850	738	815	270	173	145
23	185	239	203	848	6,060	1,090	2,340	714	744	266	173	142
24	182	221	200	796	4,340	1,060	2,110	690	690	259	173	140
25	182	212	200	756	3,330	950	1,800	674	646	252	173	140
26	179	206	209	720	2,770	880	1,600	657	608	248	167	142
27	179	203	298	702	2,460	860	1,460	657	575	242	164	145
28	179	200	276	714	2,280	867	1,420	874	550	239	161	145
29	179	197	480	696	2,110	828	1,600	782	525	236	161	148
30	182	197	704	662	-	822	1,460	690	495	227	161	148
31	185	-	652	635	-	828	-	624	-	221	158	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,787	280	142	187	11,480
November	6,054	239	185	202	12,010
December	9,183	704	191	296	18,210
Calendar year 1935	325,647	6,300	135	892	645,900
January	55,154	7,540	423	1,779	109,400
February	83,849	13,800	431	2,891	166,300
March	40,525	2,000	822	1,307	80,380
April	48,232	2,340	732	1,608	95,670
May	33,468	1,750	624	1,080	66,380
June	31,781	3,840	495	1,059	63,040
July	10,481	510	221	338	20,790
August	5,714	218	158	184	11,330
September	4,718	185	140	157	9,360
Water year 1935-36	334,946	13,800	140	915	664,400

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 Goose Lake Basin).

Records available.- November 1925 to September 1936.

Average discharge.- 10 years (1926-36), 5,762 second-feet.

Extremes.- Maximum discharge during year, 85,500 second-feet Feb. 21 (gage height, 23.3 feet); minimum, 2,360 second-feet Sept. 29 (gage height, 0.46 foot).
1925-36: Maximum discharge, 94,900 second-feet Mar. 26, 1928 (gage height, 25.1 feet); minimum, 2,290 second-feet Oct. 4, 1934.

Remarks.- Records excellent. Storage and many diversions above station in Pit River Basin.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,760	2,920	2,970	4,210	5,270	14,700	6,280	7,250	4,260	3,740	2,800	2,700
2	2,810	2,920	2,970	5,900	4,970	14,500	6,100	6,850	4,130	3,740	2,910	2,650
3	2,860	2,920	2,970	5,180	4,680	13,700	9,030	7,050	4,130	3,740	2,860	2,750
4	2,920	2,920	2,970	5,540	4,680	12,900	14,200	7,250	4,130	3,610	2,750	2,750
5	2,860	2,920	2,970	5,360	4,680	12,600	10,900	7,050	4,000	3,370	2,800	2,800
6	2,860	2,920	3,190	4,510	4,540	11,800	8,990	6,280	4,260	3,370	2,800	2,860
7	2,860	2,920	3,420	4,210	4,540	11,400	8,330	6,100	5,920	3,370	2,800	2,800
8	2,860	2,920	3,420	5,000	4,540	10,600	8,110	5,920	9,210	3,370	2,750	2,800
9	2,810	2,970	3,190	12,700	4,400	10,400	8,110	5,920	7,250	3,610	2,800	2,700
10	2,810	2,920	3,080	15,900	4,400	9,920	7,890	5,920	6,100	3,610	2,860	2,750
11	2,920	2,920	3,420	31,000	4,540	9,440	7,890	5,750	5,590	3,490	2,800	2,700
12	2,970	2,920	4,830	14,300	8,310	8,990	8,330	5,750	5,270	3,490	2,800	2,600
13	2,970	2,920	3,800	17,000	16,100	8,770	8,110	5,750	4,970	3,370	2,860	2,550
14	3,190	2,920	3,540	34,100	14,200	8,550	7,890	6,100	4,820	3,370	2,860	2,650
15	3,420	2,920	3,300	51,700	15,900	8,330	8,110	6,100	7,840	3,370	2,750	2,650
16	3,300	2,970	3,190	36,300	23,600	8,110	8,330	5,920	5,920	3,370	2,750	2,750
17	3,080	3,080	3,080	26,500	23,300	8,110	8,330	5,590	5,270	3,250	2,700	2,800
18	2,970	3,080	2,970	18,800	22,600	7,670	8,770	5,430	4,970	3,250	2,650	2,750
19	2,920	2,970	3,080	13,400	20,100	7,460	8,770	5,270	4,680	3,130	2,700	2,650
20	2,920	2,970	3,080	10,900	21,700	7,460	8,110	4,970	4,680	3,130	2,700	2,700
21	2,920	2,920	3,080	9,680	60,800	7,250	7,890	4,820	4,540	3,020	2,700	2,700
22	2,920	3,080	3,080	8,550	85,500	7,050	8,110	4,680	4,400	3,020	2,700	2,700
23	2,860	3,080	2,970	7,890	45,600	7,050	8,550	4,260	4,260	3,130	2,750	2,750
24	2,810	3,080	2,970	7,460	35,500	7,460	8,770	4,260	4,130	3,130	2,800	2,750
25	2,860	3,080	3,080	6,850	28,000	7,460	8,330	4,130	4,130	3,130	2,800	2,750
26	2,860	2,970	2,970	6,280	22,300	7,050	7,890	4,400	4,000	3,020	2,750	2,400
27	2,760	2,970	3,420	5,920	19,700	6,100	7,460	4,400	3,870	2,910	2,700	2,550
28	2,810	2,970	3,540	5,750	17,300	6,650	7,460	4,820	3,740	2,910	2,700	2,600
29	2,920	2,970	4,360	5,590	16,100	6,650	8,330	4,680	3,610	2,860	2,650	2,400
30	2,920	2,970	5,360	5,430	-	6,460	8,110	4,540	3,610	2,860	2,650	2,450
31	2,920	-	5,540	5,270	-	6,460	-	4,400	-	2,800	2,700	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	90,630	3,420	2,760	2,924	179,800
November	89,010	3,080	2,920	2,967	176,500
December	105,810	5,540	2,970	3,413	209,900
Calendar year 1935	2,383,620	42,400	2,710	6,530	4,728,000
January	397,180	51,700	4,210	12,810	787,800
February	527,850	65,500	4,400	18,200	1,047,000
March	281,050	14,700	6,100	9,066	557,500
April	251,430	14,200	6,100	8,383	498,800
May	171,610	7,250	4,130	5,536	340,400
June	147,690	9,210	3,610	4,923	292,900
July	101,540	3,740	2,800	3,275	201,400
August	85,600	2,910	2,650	2,761	169,800
September	80,410	2,860	2,400	2,680	159,500
Water year 1935-36	2,329,860	65,500	2,400	6,366	4,621,000

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 1936. April 1895 to June 1902 at Jellys Ferry, 12 miles above Red Bluff.

Average discharge.- 41 years, 11,220 second-feet.

Extremes.- Maximum discharge during year, 133,000 second-feet Feb. 22 (gage height, 24.52 feet); minimum, 2,700 second-feet Sept. 27 (gage height, 0.08 foot).
1895-1936: Maximum discharge, 278,000 second-feet Feb. 3, 1909 (gage height, 35.2 feet); minimum, 2,400 second-feet Aug. 13, 1931, Sept. 9, 1934.

Remarks.- Records excellent except those for Apr. 26 to May 25, which were computed on basis of recorded range of stage and records for station at Kennett and are good. Storage and many diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,860	3,440	3,520	6,470	7,510	20,900	9,150	9,000	5,520	4,260	3,100	2,940
2	2,940	3,440	3,520	13,800	7,240	19,800	8,590	8,600	5,300	4,260	3,100	2,940
3	2,940	3,440	3,520	13,100	6,980	19,100	11,300	8,800	5,300	4,260	3,180	2,940
4	3,100	3,440	3,520	8,870	6,470	18,000	28,300	9,000	5,300	4,160	3,100	3,020
5	3,100	3,440	3,520	8,320	6,470	17,000	18,400	8,800	5,190	4,070	3,020	3,100
6	3,100	3,440	3,610	6,980	6,340	16,000	14,000	8,200	5,300	3,880	3,020	3,100
7	3,100	3,440	4,070	5,980	6,220	15,300	12,100	8,000	7,240	3,880	3,020	3,100
8	3,020	3,440	4,260	7,780	6,100	14,300	11,200	7,800	11,800	3,880	3,020	3,100
9	3,020	3,440	3,980	31,800	5,980	13,700	10,900	7,800	10,300	4,160	3,020	3,020
10	3,020	3,440	3,790	32,200	5,860	13,400	10,600	7,800	8,320	4,360	3,100	2,940
11	3,180	3,440	4,070	57,400	5,980	12,700	10,300	7,600	7,510	4,260	3,020	3,020
12	3,520	3,440	7,780	33,900	8,960	12,100	10,600	7,600	6,720	4,070	3,020	2,940
13	3,440	3,440	5,520	26,500	20,300	11,800	10,600	7,800	6,340	3,980	3,020	2,860
14	3,700	3,440	4,660	57,500	21,300	11,500	10,300	8,000	6,100	3,790	3,100	2,860
15	4,160	3,440	4,260	109,900	22,000	11,200	10,300	8,000	7,510	3,790	3,020	2,940
16	3,980	3,520	4,070	89,200	33,300	10,600	10,600	7,800	8,590	3,700	2,940	2,940
17	3,700	3,610	3,880	47,100	37,500	10,600	10,900	7,500	6,980	3,700	2,940	3,020
18	3,610	3,610	3,700	32,400	42,200	10,300	10,900	7,300	6,340	3,610	2,940	3,020
19	3,520	3,610	3,700	22,400	35,900	10,300	10,900	7,100	5,860	3,520	2,860	3,020
20	3,520	3,520	3,700	18,000	37,500	10,000	10,300	6,800	5,640	3,520	2,940	2,940
21	3,440	3,520	3,700	15,000	81,900	10,000	10,300	6,500	5,520	3,440	2,940	2,940
22	3,440	3,520	3,700	13,400	120,000	9,720	10,300	6,200	5,410	3,440	3,020	2,940
23	3,350	3,700	3,610	12,100	85,400	9,430	10,600	5,500	5,190	3,440	3,020	2,940
24	3,350	3,700	3,520	11,200	57,400	9,430	10,900	5,500	5,080	3,440	3,020	3,020
25	3,350	3,700	3,610	10,600	47,600	9,720	10,300	5,300	4,870	3,520	3,020	3,020
26	3,350	3,610	3,610	9,720	35,400	9,430	9,720	5,300	4,760	3,520	3,020	2,860
27	3,350	3,520	4,360	9,150	29,600	8,590	9,400	5,300	4,660	3,350	3,020	2,780
28	3,260	3,520	4,560	8,590	26,100	8,590	9,400	5,860	4,460	3,180	2,940	2,860
29	3,350	3,520	11,500	8,320	23,200	8,870	10,300	6,340	4,360	3,180	2,940	2,860
30	3,440	3,520	7,510	8,050	-	8,870	10,000	5,980	4,160	3,100	2,940	2,700
31	3,440	-	9,720	7,780	-	10,600	-	5,640	-	3,100	2,940	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	103,650	4,160	2,860	3,344	205,600
November	105,300	3,700	3,440	3,510	208,900
December	142,050	11,500	3,520	4,582	281,800
Calendar year 1935	3,454,970	98,200	2,860	9,466	6,853,000
January	743,510	109,900	5,980	23,980	1,475,000
February	836,710	120,000	5,860	28,850	1,660,000
March	381,850	20,900	8,590	12,320	757,400
April	341,460	28,300	8,590	11,380	677,300
May	222,720	9,000	5,300	7,185	441,800
June	185,630	11,800	4,160	6,188	368,200
July	115,820	4,360	3,100	3,736	229,700
August	93,300	3,180	2,860	3,010	185,000
September	88,680	3,100	2,700	2,956	175,900
Water year 1935-36	3,360,680	120,000	2,700	9,182	6,667,000

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 1936 (low-water records only). Gage-height records for high-water periods in years 1914-17, 1920-21, 1929-36, published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1936, 1,550 second-feet Aug. 20 (gage height, 68.37 feet).
1921-36: Minimum discharge, 1,050 second-feet July 15, 25, 26, 1931 (gage height, 67.49 feet).

Remarks.- Records good except those for June 1-19, which were computed on basis of partial gage-height record and records for station at Colusa and are fair. Storage and many irrigation diversions above station.

Rating table, 1936 (gage height, in feet, and discharge, in second-feet)
(Table not applicable during October 1935)

68.3	1,470	69.1	2,540	69.9	3,830
68.4	1,590	69.2	2,690	70.0	4,010
68.5	1,720	69.3	2,840	70.1	4,190
68.6	1,850	69.4	2,990	70.2	4,380
68.7	1,980	69.5	3,150	70.3	4,570
68.8	2,120	69.6	3,310	70.4	4,760
68.9	2,260	69.7	3,480	70.5	4,950
69.0	2,400	69.8	3,650	70.6	5,150

Discharge, in second-feet, 1935-36

Day	Oct.							June	July	August	Sept.	Oct.
1	2,740							4,950	3,150	1,780	1,690	2,470
2	2,810							4,750	3,070	1,720	1,710	2,470
3	2,810							4,600	3,070	1,780	1,720	2,690
4	2,880							4,750	3,070	1,780	1,720	2,690
5	2,960							4,750	2,990	1,720	1,920	2,690
6	3,040							4,750	2,840	1,710	1,980	2,690
7	3,040							6,000	2,690	1,690	2,120	2,690
8	3,120							7,800	2,690	1,670	2,190	2,690
9	3,120							10,700	2,620	1,670	2,120	2,690
10	3,040							9,600	2,760	1,670	2,050	2,690
11	2,960							8,400	2,920	1,720	1,980	2,690
12	3,040							7,400	2,840	1,720	2,050	2,690
13	3,280							6,650	2,760	1,690	2,120	2,690
14	3,520							6,200	2,690	1,670	2,190	2,690
15	3,730							5,750	2,540	1,680	2,190	2,690
16	4,210							6,900	2,470	1,680	2,260	2,760
17	4,120							7,650	2,400	1,630	2,260	2,760
18	3,950							6,450	2,400	1,600	2,400	2,840
19	3,730							5,750	2,330	1,600	2,470	2,840
20	3,700							5,150	2,260	1,580	2,470	2,920
21	3,700							4,950	2,190	1,590	2,400	2,990
22	3,730							4,660	2,120	1,600	2,400	3,070
23	3,730							4,570	2,050	1,630	2,400	2,990
24	3,730							4,280	1,980	1,690	2,470	2,920
25	3,730							4,190	1,980	1,710	2,540	2,920
26	3,780							3,920	1,980	1,720	2,540	2,920
27	3,780							3,740	2,050	1,720	2,540	2,920
28	3,730							3,650	1,980	1,710	2,400	2,920
29	3,700							3,480	1,850	1,670	2,470	2,920
30	3,700							3,310	1,850	1,670	2,540	2,920
31	3,730							-	1,730	1,680	-	2,920

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	107,240	4,210	2,740	3,459	212,700
1936					
June	169,700	10,700	3,310	5,657	336,600
July	76,370	3,150	1,780	2,464	151,500
August	52,150	1,730	1,580	1,682	103,400
September	66,310	2,540	1,690	2,210	131,500
October	86,440	3,070	2,470	2,788	171,500
The period					894,500

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 1936 (low-water records only). Gage-height record for high-water periods in years 1920-36 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1936, 1,510 second-feet Aug. 21 (gage height, 35.50 feet).
1921-36: 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, 1935-36

Day	Oct.							June	July	Aug.	Sept.	Oct.
1	2,750							5,100	3,180	1,780	1,720	2,590
2	2,750							4,900	3,100	1,750	1,720	2,520
3	2,800							4,800	3,100	1,720	1,750	2,660
4	2,800							4,700	3,100	1,750	1,780	2,740
5	3,000							4,700	3,020	1,690	1,840	2,740
6	3,000							4,700	2,860	1,660	1,940	2,740
7	3,000							4,900	2,700	1,660	2,040	2,740
8	3,100							6,180	2,620	1,630	2,180	2,740
9	3,100							8,930	2,540	1,630	2,180	2,740
10	3,000							10,300	2,620	1,630	2,080	2,740
11	3,000							9,260	2,780	1,660	2,020	2,740
12	2,900							8,050	2,860	1,690	2,020	2,740
13	3,100							7,170	2,780	1,660	2,080	2,740
14	3,400							6,510	2,700	1,630	2,160	2,740
15	3,500							6,070	2,540	1,600	2,220	2,740
16	4,040							6,070	2,460	1,630	2,220	2,820
17	4,150							7,610	2,420	1,600	2,300	2,820
18	3,930							6,840	2,380	1,570	2,300	2,900
19	3,710							6,070	2,380	1,570	2,440	2,900
20	3,600							5,410	2,300	1,540	2,520	2,900
21	3,600							5,100	2,220	1,540	2,440	2,960
22	3,710							4,800	2,120	1,570	2,440	3,060
23	3,710							4,600	2,080	1,600	2,440	3,060
24	3,600							4,400	2,010	1,630	2,520	2,980
25	3,600							4,300	1,980	1,660	2,520	2,980
26	3,600							4,100	1,980	1,690	2,590	2,980
27	3,600							3,900	2,010	1,690	2,590	2,980
28	3,710							3,720	1,980	1,690	2,440	2,980
29	3,800							3,540	1,870	1,660	2,440	2,980
30	3,600							3,360	1,840	1,660	2,520	2,960
31	3,600							-	1,810	1,660	-	2,980

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	104,560	4,150	2,750	3,373	207,400
1936					
June	170,090	10,300	3,360	5,670	337,400
July	76,340	3,180	1,810	2,463	151,400
August	51,100	1,780	1,540	1,648	101,400
September	66,450	2,590	1,720	2,215	131,800
October	87,930	3,060	2,520	2,836	174,400
The period					896,400

Sacramento River below Wilkins Slough, Calif.

Location.- Water-stage recorder, lat. 39°0'35", 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 1936 (low-water records only). Gage-height records for high-water periods in years 1931-36 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1936, 1,040 second-feet Aug. 21 (gage height, 18.23 feet).
1931-36: Minimum discharge, 100 second-feet Aug. 1, 1931 (gage height, 14.20 feet).

Remarks.- Records good. Discharge interpolated June 28-29. Storage and many irrigation diversions above station.

Discharge, in second-feet, 1935-36

Day	Oct.							June	July	Aug.	Sept.	Oct.
1	3,000							4,940	2,760	1,310	1,430	2,820
2	3,000							4,740	2,600	1,270	1,390	2,880
3	3,100							4,740	2,550	1,270	1,470	2,880
4	3,160							4,620	2,550	1,230	1,510	2,980
5	3,220							4,550	2,600	1,230	1,600	2,980
6	3,270							4,550	2,550	1,190	1,740	2,980
7	3,320							4,680	2,350	1,150	1,820	2,980
8	3,320							5,140	2,200	1,150	1,960	2,980
9	3,320							7,300	2,150	1,110	2,050	2,930
10	3,270							9,500	2,150	1,070	2,050	2,880
11	3,270							9,280	2,300	1,110	2,050	2,880
12	3,220							8,380	2,450	1,190	2,000	2,880
13	3,220							7,440	2,400	1,150	2,100	2,880
14	3,440							6,810	2,300	1,150	2,200	2,820
15	3,540							6,320	2,200	1,110	2,300	2,880
16	3,840							5,970	2,050	1,110	2,350	2,930
17	4,080							6,740	1,960	1,110	2,450	2,980
18	4,080							7,020	1,960	1,070	2,450	2,980
19	3,900							6,180	1,960	1,070	2,500	2,980
20	3,780							5,620	1,920	1,070	2,600	3,040
21	3,660							5,140	1,820	1,070	2,660	3,040
22	3,660							4,740	1,740	1,110	2,660	3,100
23	3,780							4,420	1,640	1,150	2,710	3,100
24	3,720							4,160	1,560	1,190	2,710	3,040
25	3,720							3,960	1,510	1,230	2,710	2,980
26	3,780							3,770	1,510	1,270	2,820	2,930
27	3,900							3,520	1,510	1,310	2,880	2,930
28	3,640							3,300	1,510	1,310	2,880	2,980
29	3,840							3,100	1,430	1,310	2,710	2,980
30	3,720							2,930	1,390	1,350	2,760	3,040
31	3,780							-	1,350	1,390	-	2,980

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	109,750	4,080	3,000	3,540	217,700
1936					
June	163,560	9,500	2,930	5,452	324,400
July	62,930	2,760	1,350	2,030	124,800
August	36,810	1,390	1,070	1,187	73,010
September	67,520	2,880	1,390	2,251	133,900
October	91,640	3,100	2,820	2,956	181,800
The period					837,900

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 1936 (low-water records only). Gage-height records for high-water periods in years 1926-36 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1936, 1,100 second-feet Aug. 18 (gage height, 11.11 feet).
1921-36: Minimum discharge, 250 second-feet July 23, 1931 (gage height, 7.80 feet).

Remarks.- Records good. Storage, many irrigation diversions, and considerable return water affect flow.

Discharge, in second-feet, 1935-36

Day	Oct.							June	July	Aug.	Sept.	Oct.
1	3,500							5,490	2,980	1,640	1,860	3,120
2	3,440							5,280	2,790	1,560	1,980	3,180
3	3,500							5,420	2,720	1,470	2,100	3,180
4	3,570							5,140	2,790	1,330	2,220	3,240
5	3,570							5,210	2,860	1,390	2,220	3,180
6	3,570							5,070	2,790	1,470	2,400	3,180
7	3,570							4,870	2,600	1,470	2,460	3,240
8	3,500							5,560	2,400	1,390	2,460	3,310
9	3,500							7,520	2,340	1,390	2,530	3,310
10	3,500							9,260	2,280	1,360	2,590	3,180
11	3,500							9,340	2,280	1,220	2,660	3,180
12	3,440							8,740	2,400	1,280	2,720	3,180
13	3,380							7,940	2,460	1,420	2,790	3,120
14	3,570							7,450	2,400	1,470	2,920	3,180
15	3,700							6,890	2,400	1,470	2,860	3,240
16	3,830							6,400	2,280	1,390	3,050	3,240
17	4,250							6,610	2,100	1,220	3,120	3,240
18	4,250							7,240	2,040	1,150	3,120	3,310
19	4,110							6,470	1,980	1,220	3,180	3,310
20	3,900							5,910	1,980	1,360	3,180	3,240
21	3,900							5,560	1,920	1,470	3,180	3,240
22	3,900							5,070	1,920	1,470	3,180	3,310
23	3,830							4,680	1,860	1,520	3,120	3,310
24	3,830							4,420	1,800	1,420	3,120	3,310
25	3,760							4,160	1,690	1,420	3,120	3,240
26	3,830							4,020	1,640	1,640	3,120	3,180
27	3,900							3,830	1,580	1,800	3,120	3,120
28	3,900							3,700	1,520	1,860	3,180	3,120
29	3,900							3,640	1,580	1,860	2,920	3,180
30	3,830							3,180	1,580	1,920	2,980	3,180
31	3,760							-	1,640	1,920	-	3,180

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	115,490	4,250	3,380	3,725	229,100
1936					
June	174,070	9,340	3,180	5,802	345,300
July	67,600	2,980	1,520	2,181	134,100
August	45,990	1,920	1,150	1,484	91,220
September	83,460	3,180	1,860	2,782	165,500
October	99,730	3,310	3,120	3,217	197,800
The period					933,900

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 1936 (low-water records only, 1926-29).

Extremes.- Maximum discharge during year, 61,800 second-feet Feb. 25 (gage height, 36.62 feet); minimum, 2,030 second-feet Aug. 18 (gage height, 8.90 feet).
1926-36: Maximum discharge recorded, that of Feb. 25, 1936; 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,460	5,880	6,480	14,000	18,600	54,300	28,800	26,700	13,800	5,460	3,120	2,900
2	5,740	6,160	6,480	14,000	18,100	53,000	29,500	25,700	12,600	5,180	3,120	3,120
3	5,880	6,320	6,480	13,800	17,500	52,200	27,400	24,700	11,600	4,900	2,800	3,340
4	5,740	6,320	6,480	16,100	16,800	51,400	27,600	25,200	10,700	4,760	2,600	3,450
5	5,740	6,160	6,320	18,600	16,100	50,900	35,300	26,400	11,000	4,760	2,700	3,450
6	5,740	6,480	6,320	17,200	15,700	50,100	40,600	26,900	11,000	4,620	2,900	3,450
7	5,740	6,320	6,480	15,500	15,300	49,100	42,300	25,700	13,000	4,260	2,800	3,560
8	5,740	6,160	6,640	14,200	15,000	47,500	41,100	23,600	21,400	4,020	2,700	3,450
9	5,880	6,160	6,800	14,200	14,600	45,700	38,700	21,600	23,600	3,900	2,700	3,450
10	5,880	6,020	7,120	21,400	14,200	43,600	36,000	20,500	22,500	3,780	2,700	3,560
11	5,880	6,160	7,280	35,300	14,600	41,600	34,100	20,500	20,800	3,780	2,350	3,780
12	5,740	6,160	7,280	46,000	25,800	39,400	32,900	21,000	19,200	3,780	2,450	4,140
13	5,740	6,160	7,960	52,700	40,100	37,200	32,700	21,200	17,700	3,900	2,600	4,260
14	6,020	6,160	9,400	52,500	49,400	35,300	32,400	21,600	15,900	3,780	2,700	4,260
15	6,160	6,320	9,940	53,300	54,000	33,900	32,700	23,000	14,400	3,780	2,700	4,020
16	6,480	6,320	9,400	55,100	54,600	32,400	33,400	24,100	13,200	3,780	2,600	4,380
17	7,120	6,160	8,680	57,200	54,800	31,200	34,300	23,400	12,600	3,560	2,260	4,760
18	7,120	6,320	8,500	57,400	55,100	30,300	35,300	22,300	13,200	3,450	2,080	4,760
19	6,640	6,320	8,320	57,200	54,800	29,500	35,800	21,400	12,600	3,450	2,300	4,900
20	6,320	6,480	8,140	55,300	54,800	28,600	35,500	19,700	11,600	3,450	2,500	4,900
21	6,160	6,480	8,140	53,500	55,300	27,900	34,800	17,500	10,700	3,450	2,600	4,760
22	6,020	6,320	8,140	52,000	56,600	27,100	34,600	15,500	10,100	3,560	2,600	4,620
23	5,880	6,320	7,960	49,600	60,300	26,700	34,600	14,600	9,220	3,450	2,600	5,040
24	5,880	6,320	7,780	46,000	61,300	26,200	34,800	14,400	8,680	3,340	2,400	5,320
25	5,880	6,480	7,780	41,100	61,800	25,200	34,800	14,600	8,140	3,230	2,300	5,320
26	5,880	6,160	7,600	36,300	60,500	24,100	33,400	14,800	7,600	3,120	2,600	5,320
27	5,880	6,320	7,440	31,200	58,500	23,000	31,700	14,800	7,120	2,900	2,900	5,320
28	5,880	6,480	7,780	27,400	56,900	21,900	30,000	14,400	6,640	2,800	3,120	5,180
29	5,880	6,640	8,320	24,500	55,300	21,400	28,300	14,600	6,480	3,010	3,010	4,760
30	5,880	6,480	9,220	21,600	-	23,800	27,400	14,400	5,740	3,120	3,120	4,900
31	5,880	-	12,200	19,700	-	25,700	-	14,200	-	3,120	3,120	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	185,860	7,120	5,460	5,995	368,600
November	188,540	6,640	5,880	6,285	374,000
December	242,860	12,200	6,320	7,834	481,700
Calendar year 1935	6,724,400	55,600	2,760	18,420	13,340,000
January	1,083,900	57,400	13,800	34,960	2,150,000
February	1,146,400	61,800	14,200	39,530	2,274,000
March	1,110,200	54,300	21,400	35,810	2,202,000
April	1,010,800	42,300	27,400	33,690	2,005,000
May	629,000	26,900	14,200	20,290	1,248,000
June	382,820	23,600	5,740	12,760	759,300
July	117,450	5,460	2,800	3,789	233,000
August	83,050	3,120	2,080	2,679	164,700
September	128,430	5,320	2,900	4,281	254,700
Water year 1935-36	6,309,310	61,800	2,080	17,240	12,520,000

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 (not including Goose Lake Basin).

Records available.- January 1904 to December 1905, May 1929 to September 1936 (incomplete 1929-31).

Extremes.- Maximum discharge during year, 3,220 second-feet Feb. 22 (gage height, 7.05 feet); minimum, 0.6 second-foot Aug. 17.
1904-5, 1929-36: Maximum discharge recorded, 14,000 second-feet Mar. 8, 1904 (gage height, 14.0 feet, former datum); minimum, 0.1 second-foot Apr. 29, Aug. 5, Sept. 18, 1934, Aug. 18-21, 1935.

Remarks.- Records good except those for periods of ice effect, Dec. 14-23, Dec. 31, Jan. 1, Jan. 29 to Feb. 3, Feb. 8-9, which are fair. Storage and many irrigation diversions above station.

Rating table, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 10 to Sept. 30)

1.8	0	3.0	210
1.9	.2	3.4	415
2.0	1.4	3.8	660
2.2	12	4.2	920
2.4	37	4.6	1,210
2.6	80	5.0	1,520
2.8	135	6.0	2,320
		7.0	3,220

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	30	53	85	180	1,140	332	505	47	41	9.5	5.5
2	4.3	31	53	90	170	1,320	338	493	59	39	9	5
3	4.7	30	53	92	160	1,280	354	397	64	31	8	4.7
4	4.3	36	55	102	156	1,090	360	445	68	30	7	4.7
5	4.3	41	55	100	135	941	366	427	71	39	6	7
6	4.3	37	57	95	132	868	382	439	64	39	6	85
7	4.3	37	57	98	123	790	393	393	57	32	5.5	120
8	3.9	37	59	95	121	732	393	275	62	31	5.5	105
9	3.4	39	57	102	119	686	398	228	80	26	5	78
10	3.4	68	62	111	117	647	427	332	92	24	4.7	59
11	4.7	49	66	285	123	614	457	376	88	24	4.7	47
12	6	49	80	224	186	577	475	332	82	24	4.7	39
13	7	62	80	242	290	547	487	270	142	24	4.3	31
14	8	73	76	492	608	523	505	210	152	24	3.9	28
15	11	75	72	1,250	1,250	499	547	166	160	22	3.0	28
16	12	73	68	1,760	1,520	463	571	120	163	22	1.3	24
17	13	68	64	1,320	1,680	439	602	114	160	28	1.2	19
18	14	62	60	1,010	1,560	421	634	71	152	21	21	16
19	25	53	57	1,090	1,360	410	647	117	149	18	90	13
20	17	59	54	822	1,250	404	621	132	135	13	66	12
21	7.5	78	64	628	1,890	404	628	126	111	20	37	11
22	5	75	49	505	2,950	415	628	102	105	18	26	11
23	4.3	66	46	382	2,590	410	621	66	117	15	19	11
24	3.9	64	43	332	1,880	410	608	71	100	14	15	11
25	3.9	62	45	285	1,600	393	589	82	90	15	12	11
26	3.9	62	49	214	1,680	360	577	82	85	16	12	9.5
27	6	64	53	214	1,360	332	571	75	80	16	11	19
28	14	62	57	228	1,170	310	571	55	71	14	11	21
29	19	57	68	220	1,100	316	565	55	57	12	10	14
30	22	55	75	210	-	332	541	47	45	11	9	11
31	24	-	75	190	-	332	-	37	-	10	7.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	271.5	25	3.4	8.76	539
November	1,654	78	30	55.1	3,280
December	1,862	80	43	60.1	3,690
Calendar year 1935	58,626.9	1,800	.1	161	116,300
January	12,873	1,760	85	415	25,530
February	27,460	2,950	117	947	54,470
March	18,405	1,320	310	594	36,510
April	15,188	647	332	506	30,120
May	6,640	505	37	214	13,170
June	2,908	163	45	96.9	5,770
July	713	41	10	23.0	1,410
August	435.8	90	1.2	14.1	864
September	860.4	120	4.7	28.7	1,710
Water year 1935-36	89,270.7	2,950	1.2	244	177,100

Pit River at Fall River Mills, Calif.

Location.- Water-stage recorder, lat. 41°0', long. 121°26', in NE¼ sec. 6, T. 36 N., R. 5 E., 0.8 mile below Fall River and town of Fall River Mills. Altitude, about 3,235 feet.

Records available.- December 1922 to September 1936; March 1921 to December 1922, staff gage 0.7 mile upstream.

Average discharge.- 13 years (1923-36), 319 second-feet.

Extremes.- Maximum discharge during year, 9,080 second-feet Jan. 16 (gage height, 7.12 feet); minimum, 37 second-feet July 28.
1921-36: 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 May 9-16 and June 20-26 computed on basis of unpublished records for station at Pitville. 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 Pacific Gas & Electric Co.

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

0.2	32	2.0	625	3.8	2,630
.4	52	2.2	770	4.0	2,950
.6	78	2.4	930	4.5	3,800
.8	110	2.6	1,120	5.0	4,700
1.0	155	2.8	1,330	5.5	5,680
1.2	215	3.0	1,550	6.0	6,680
1.4	290	3.2	1,790	6.5	7,760
1.6	385	3.4	2,050	7.0	8,860
1.8	500	3.6	2,330		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	52	114	167	446	2,400	695	762	116	140	67	68
2	84	62	112	203	470	2,190	740	755	114	126	67	62
3	90	59	112	229	429	2,120	786	732	116	110	71	84
4	87	58	110	270	412	2,120	930	695	135	103	78	82
5	84	57	108	317	390	2,120	939	646	122	92	75	84
6	82	56	110	312	370	1,920	858	618	116	88	72	80
7	81	57	112	299	345	1,790	834	599	138	87	74	78
8	84	63	114	278	330	1,670	834	554	142	84	70	82
9	98	71	116	385	312	1,520	762	500	140	93	70	86
10	92	65	118	612	304	1,420	718	440	145	98	87	86
11	92	67	130	1,520	299	1,310	695	412	138	105	86	72
12	92	84	185	1,860	312	1,220	695	232	130	103	70	78
13	90	87	173	1,860	330	1,170	695	270	126	102	86	80
14	84	92	158	1,920	542	1,100	710	385	120	114	87	64
15	103	98	155	5,280	1,280	1,040	718	335	114	110	78	92
16	92	96	158	8,640	2,190	993	755	270	110	103	74	96
17	64	96	155	7,100	2,480	948	770	246	122	96	72	93
18	56	96	152	3,460	2,710	914	802	218	138	72	74	90
19	53	103	148	2,630	2,560	866	834	197	152	64	75	88
20	52	126	142	1,980	2,630	818	850	176	191	88	75	92
21	52	135	142	1,550	3,120	770	890	142	215	93	74	90
22	52	126	135	1,280	4,700	740	690	102	215	86	75	84
23	52	112	128	1,040	6,280	718	882	108	200	82	72	84
24	52	108	128	930	5,580	732	874	130	200	78	63	86
25	52	112	138	802	3,890	755	866	128	191	68	51	84
26	51	128	148	725	3,630	755	858	142	191	65	78	81
27	51	124	145	646	3,200	732	834	130	150	72	71	77
28	50	110	138	592	2,950	688	818	126	132	63	72	84
29	49	110	138	554	2,560	639	810	135	145	59	65	81
30	49	120	142	500	-	646	794	126	155	71	67	78
31	50	-	164	470	-	681	-	114	-	64	81	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,192	103	49	70.7	4,350
November	2,730	135	52	91.0	5,410
December	4,228	185	108	136	8,390
Calendar year 1935	192,214	8,200	49	527	381,200
January	48,411	8,640	167	1,562	96,020
February	55,051	6,280	299	1,898	109,200
March	37,505	2,400	639	1,210	74,390
April	24,136	939	695	805	47,870
May	10,425	762	102	336	20,680
June	4,419	215	110	147	8,760
July	2,779	140	59	89.6	5,510
August	2,277	87	51	73.5	4,520
September	2,466	96	62	82.2	4,890
Water year 1935-36	196,619	8,640	49	537	390,000

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 sequare miles (not including Goose Lake Basin).

Records available.- July 1927 to September 1936.

Extremes.- Maximum discharge during year, 11,700 second-feet Jan. 16 (gage height, 12.65 feet); minimum, 1,320 second-feet Sept. 29.
1927-36: Maximum discharge, 16,400 second-feet Apr. 8, 1935 (gage height, 14.7 feet); minimum, 715 second-feet Mar. 21, 1928, caused by regulation.

Remarks.- Records excellent. Discharge for Aug. 11-15 computed on basis of records for other Pit River stations. Storage, power plants, and many diversions above station; daily fluctuations usually reduced by automatic regulator at Pit No. 4 Dam. Gage-height record and results of discharge measurements furnished by Pacific Gas & Electric Co.

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

6.6	1,280	8.0	2,860	9.8	5,830
6.8	1,460	8.2	3,150	10.2	6,660
7.0	1,650	8.4	3,460	10.6	7,460
7.2	1,870	8.6	3,780	11.0	8,280
7.4	2,110	8.8	4,100	11.4	9,120
7.6	2,350	9.0	4,440	11.8	9,960
7.8	2,600	9.4	5,150	12.2	10,840
				12.6	11,720

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,600	1,650	1,760	1,820	2,110	4,610	2,660	2,660	1,820	1,760	1,500	1,500
2	1,550	1,650	1,760	1,760	1,990	4,790	2,660	2,660	1,760	1,820	1,500	1,500
3	1,650	1,700	1,760	1,870	1,990	4,360	2,730	2,800	1,700	1,700	1,460	1,550
4	1,650	1,700	1,760	1,930	1,990	4,180	3,150	2,730	1,700	1,600	1,420	1,550
5	1,650	1,700	1,760	1,990	1,990	4,270	3,460	2,470	1,700	1,500	1,460	1,600
6	1,700	1,700	1,760	1,930	1,990	4,180	2,930	2,290	1,760	1,550	1,460	1,650
7	1,700	1,700	1,760	1,930	1,990	4,020	2,730	2,290	1,760	1,550	1,420	1,650
8	1,700	1,700	1,700	1,930	1,990	3,700	2,800	2,170	1,870	1,600	1,460	1,600
9	1,650	1,760	1,760	2,050	1,930	3,860	2,800	2,170	1,870	1,650	1,550	1,600
10	1,650	1,760	1,820	2,600	1,930	3,620	2,660	2,110	1,870	1,650	1,500	1,650
11	1,650	1,700	1,820	3,150	1,930	3,380	2,800	2,110	1,870	1,650	1,450	1,550
12	1,700	1,760	1,870	3,380	2,050	3,300	2,800	2,110	1,820	1,600	1,500	1,460
13	1,700	1,700	1,990	3,460	2,230	3,300	2,600	1,930	1,820	1,600	1,600	1,460
14	1,760	1,700	1,930	3,860	2,230	3,220	2,600	1,870	1,760	1,600	1,550	1,500
15	1,820	1,760	1,870	7,040	2,730	2,930	2,660	2,110	1,650	1,650	1,550	1,550
16	1,760	1,760	1,760	10,800	3,460	3,300	2,860	2,350	1,700	1,650	1,550	1,650
17	1,700	1,760	1,700	11,100	3,860	3,080	2,860	2,290	1,650	1,650	1,500	1,650
18	1,700	1,700	1,700	7,460	4,610	2,930	3,540	2,170	1,650	1,600	1,500	1,600
19	1,700	1,650	1,820	5,330	4,790	3,000	3,220	2,110	1,700	1,550	1,550	1,600
20	1,700	1,650	1,870	4,440	4,970	2,860	2,930	2,050	1,760	1,500	1,500	1,600
21	1,760	1,650	1,820	3,940	5,690	2,730	2,930	1,930	1,870	1,500	1,500	1,600
22	1,700	1,700	1,760	3,540	7,590	2,800	2,930	1,760	1,820	1,550	1,550	1,700
23	1,700	1,760	1,700	3,540	8,700	3,000	2,930	1,650	1,820	1,600	1,600	1,700
24	1,700	1,820	1,760	3,380	9,540	3,380	2,930	1,600	1,820	1,700	1,600	1,700
25	1,650	1,700	1,700	2,860	7,660	3,460	2,930	1,700	1,760	1,700	1,600	1,460
26	1,600	1,700	1,700	2,660	6,460	2,860	2,930	1,760	1,760	1,550	1,600	1,460
27	1,600	1,700	1,870	2,540	5,880	2,730	2,930	1,870	1,650	1,500	1,550	1,550
28	1,650	1,700	1,870	2,410	4,970	2,730	2,930	1,820	1,600	1,500	1,550	1,460
29	1,760	1,700	1,760	2,350	4,790	2,930	3,080	1,820	1,550	1,460	1,550	1,370
30	1,760	1,700	1,760	2,350	-	2,730	2,860	1,820	1,650	1,460	1,550	1,550
31	1,700	-	1,870	2,290	-	2,660	-	1,820	-	1,460	1,550	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	52,270	1,820	1,550	1,686	103,700
November	51,290	1,820	1,650	1,710	101,700
December	55,500	1,990	1,700	1,790	110,100
Calendar year 1935	886,170	11,300	1,550	2,428	1,758,000
January	111,690	11,100	1,760	3,603	221,500
February	114,040	9,540	1,930	3,932	226,200
March	104,900	4,790	2,660	3,384	208,100
April	86,830	3,540	2,600	2,894	172,200
May	65,000	2,800	1,600	2,097	128,900
June	52,490	1,870	1,550	1,750	104,100
July	49,410	1,820	1,460	1,594	98,000
August	47,180	1,600	1,420	1,522	93,580
September	47,020	1,700	1,370	1,567	93,260
Water year 1935-36	837,620	11,100	1,370	2,289	1,661,000

Pit River at Big Bend, Calif.

Location.- Water-stage recorder, lat. 41°1', 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.- 4,290 square miles (not including Goose Lake Basin).

Records available.- September 1910 to September 1936.

Average discharge.- 25 years (1911-36), 2,769 second-feet.

Extremes.- Maximum discharge during year, 13,900 second-feet Jan. 16 (gage height, 13.2 feet), from rating curve extended above 10,000 second-feet; minimum, 1,360 second-feet Sept. 29.

1910-36: Maximum discharge, 16,100 second-feet Apr. 8, 1935 (gage height, 13.96 feet); minimum, 664 second-feet July 9, 10, 1925, regulated; minimum mean daily discharge, 692 second-feet July 9, 1925, also regulated.

Remarks.- Records good except those for Jan. 10-24, which were computed on basis of records for other Pit River stations and are fair. 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 1935-36 (gage height, in feet, and discharge, in second-feet)

7.4	1,270	8.6	2,840	9.8	5,160
7.6	1,460	8.8	3,170	10.0	5,620
7.8	1,690	9.0	3,530	10.5	6,840
8.0	1,940	9.2	3,910	11.0	8,090
8.2	2,220	9.4	4,310	11.5	9,380
8.4	2,520	9.6	4,730	12.0	10,680
				12.5	12,010

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,690	1,750	1,810	2,010	2,440	5,500	3,000	3,080	2,010	1,940	1,630	1,570
2	1,630	1,750	1,810	1,940	2,300	5,620	3,000	3,080	2,010	1,940	1,690	1,570
3	1,750	1,750	1,810	2,080	2,220	5,160	3,170	3,170	1,940	1,880	1,630	1,630
4	1,750	1,750	1,810	2,220	2,220	4,940	3,620	3,170	1,880	1,750	1,570	1,630
5	1,750	1,750	1,810	2,220	2,220	5,050	3,910	2,840	1,880	1,630	1,630	1,690
6	1,750	1,750	1,810	2,150	2,220	4,940	3,350	2,600	1,940	1,690	1,630	1,690
7	1,810	1,750	1,880	2,080	2,220	4,620	3,080	2,600	2,080	1,690	1,630	1,750
8	1,810	1,810	1,810	2,150	2,220	4,310	3,170	2,440	2,150	1,750	1,630	1,690
9	1,750	1,810	1,810	2,370	2,220	4,420	3,170	2,440	2,150	1,810	1,690	1,630
10	1,750	1,810	1,880	3,100	2,220	4,110	3,000	2,370	2,080	1,810	1,690	1,690
11	1,810	1,750	1,940	3,800	2,220	3,910	3,170	2,300	2,010	1,750	1,630	1,570
12	1,810	1,810	2,010	4,000	2,440	3,820	3,170	2,370	2,010	1,750	1,690	1,520
13	1,880	1,750	2,150	4,100	2,680	3,820	3,000	2,220	1,940	1,690	1,750	1,520
14	1,940	1,750	2,080	5,500	2,840	3,720	2,920	2,080	1,940	1,750	1,690	1,570
15	2,010	1,810	1,940	10,000	3,440	3,440	3,080	2,370	1,810	1,750	1,630	1,630
16	1,880	1,810	1,810	12,000	4,310	3,820	3,260	2,600	1,880	1,810	1,630	1,750
17	1,810	1,880	1,750	12,000	4,840	3,620	3,260	2,520	1,810	1,750	1,630	1,750
18	1,810	1,810	1,750	8,500	5,860	3,440	4,010	2,440	1,810	1,750	1,570	1,690
19	1,810	1,810	1,880	6,000	5,860	3,440	3,720	2,300	1,810	1,690	1,630	1,630
20	1,750	1,750	1,880	5,000	6,340	3,350	3,440	2,300	1,940	1,690	1,630	1,690
21	1,810	1,750	1,880	4,400	8,340	3,170	3,440	2,150	2,010	1,630	1,630	1,690
22	1,750	1,810	1,810	3,900	10,700	3,170	3,440	1,940	1,940	1,690	1,630	1,750
23	1,690	1,880	1,750	3,800	11,500	3,440	3,350	1,810	1,940	1,750	1,690	1,750
24	1,690	1,880	1,810	3,700	11,700	3,910	3,440	1,810	1,940	1,880	1,690	1,750
25	1,690	1,810	1,750	3,440	9,900	4,010	3,440	1,880	1,940	1,880	1,690	1,570
26	1,630	1,810	1,750	3,080	8,600	3,260	3,440	1,940	1,880	1,690	1,690	1,520
27	1,630	1,810	1,940	2,920	7,590	3,080	3,440	2,080	1,810	1,630	1,630	1,570
28	1,750	1,810	2,010	2,760	6,340	3,170	3,440	2,010	1,750	1,630	1,630	1,520
29	1,810	1,810	1,940	2,680	5,860	3,350	3,620	2,010	1,690	1,570	1,570	1,410
30	1,880	1,810	1,940	2,680	-	3,080	3,350	2,010	1,750	1,570	1,630	1,570
31	1,810	-	2,080	2,600	-	3,000	-	2,010	-	1,570	1,630	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	55,090	2,010	1,630	1,777	109,300
November	53,790	1,880	1,750	1,793	106,700
December	58,090	2,150	1,750	1,874	115,200
Calendar year 1935	990,120	12,800	1,630	2,713	1,964,000
January	129,180	12,000	1,940	4,167	256,200
February	143,860	11,700	2,220	4,961	285,300
March	121,690	5,620	3,000	3,925	241,400
April	99,900	4,010	2,920	3,330	198,100
May	72,940	3,170	1,810	2,353	144,700
June	57,730	2,150	1,690	1,924	114,500
July	53,760	1,940	1,570	1,734	106,600
August	51,010	1,750	1,570	1,645	101,200
September	48,960	1,750	1,410	1,632	97,110
Water year 1935-36	946,000	12,000	1,410	2,585	1,876,000

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 Goose Lake Basin).

Records available.- May 1924 to September 1936; November 1910 to May 1924, staff gage 400 feet downstream.

Average discharge.- 25 years (1911-36), 3,829 second-feet.

Extremes.- Maximum discharge during year, 37,900 second-feet Jan. 15 (gage height, 18.50 feet); minimum, 1,540 second-feet Sept. 29.

1910-36: 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. 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 1935-36 (gage height, in feet, and discharge, in second-feet)

4.2	1,500	8.0	7,090	12.5	18,300
4.6	1,890	8.5	8,060	13.0	19,800
5.0	2,340	9.0	9,120	13.5	21,300
5.4	2,840	9.5	10,260	14.0	22,900
5.8	3,380	10.0	11,460	14.5	24,500
6.2	3,970	10.5	12,700	15.0	26,100
6.6	4,610	11.0	14,000	15.5	27,700
7.0	5,290	11.5	15,400	16.0	29,400
7.5	6,170	12.0	16,800	16.5	31,100

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,840	1,940	2,000	2,640	3,310	8,680	4,050	4,130	2,520	2,220	1,840	1,790
2	1,840	1,940	2,000	3,520	3,100	8,680	3,970	3,970	2,460	2,340	1,890	1,740
3	1,890	1,940	2,000	3,040	2,970	8,260	5,460	4,130	2,460	2,280	1,840	1,840
4	1,890	1,940	2,000	3,380	2,970	7,660	7,470	4,050	2,460	2,160	1,790	1,840
5	1,890	1,890	2,000	3,100	2,970	7,470	6.170	3,820	2,400	2,000	1,790	1,840
6	1,890	1,890	2,110	2,780	2,900	7,090	5,290	3,450	2,580	2,000	1,840	1,890
7	1,940	1,940	2,220	2,640	2,900	6,900	4,780	3,380	2,970	2,000	1,840	1,890
8	1,940	1,940	2,160	3,260	2,900	6,350	4,610	3,310	3,740	2,060	1,790	1,890
9	1,890	2,000	2,110	7,590	2,840	6,350	4,610	3,240	3,170	2,220	1,890	1,840
10	1,890	2,000	2,110	8.060	2,840	5,990	4,450	3,170	2,900	2,160	1,890	1,890
11	1,940	1,940	2,400	12,200	3,040	5,630	4,450	3,040	2,840	2,110	1,840	1,840
12	2,060	1,940	2,970	6,900	3,970	5,460	4,610	3,100	2,710	2,110	1,840	1,740
13	2,000	1,940	2,520	8,680	6,710	5,290	4,290	3,040	2,580	2,000	1,890	1,690
14	2,220	1,940	2,400	19,700	6,710	5,120	4,210	2,900	2,580	2,060	1,890	1,790
15	2,280	2,000	2,280	30,500	7,470	4,950	4,290	2,970	2,520	2,060	1,840	1,790
16	2,160	2,000	2,160	22,900	10,300	4,950	4,370	3,310	2,460	2,110	1,790	1,890
17	2,060	2,060	2,060	18,300	11,200	4,950	4,370	3,170	2,460	2,060	1,790	1,940
18	2,000	2,060	2,000	12,400	11,200	4,610	4,950	3,100	2,340	2,000	1,740	1,890
19	1,940	2,000	2,060	8,680	11,000	4,610	4,950	2,970	2,340	2,000	1,790	1,790
20	1,940	2,000	2,110	7,280	13,700	4,610	4,450	2,900	2,400	1,940	1,790	1,840
21	1,940	1,940	2,110	6,350	27,400	4,290	4,370	2,780	2,460	1,940	1,790	1,840
22	1,940	2,000	2,060	5,630	30,100	4,290	4,370	2,640	2,460	1,940	1,790	1,890
23	1,890	2,060	2,000	5,290	24,800	4,370	4,370	2,400	2,400	2,000	1,840	1,940
24	1,890	2,110	2,000	5,120	21,000	4,950	4,450	2,340	2,400	2,060	1,890	1,940
25	1,890	2,060	2,060	4,610	16,800	4,950	4,370	2,340	2,400	2,110	1,840	1,890
26	1,890	2,000	1,940	4,210	13,500	4,610	4,290	2,520	2,340	2,000	1,840	1,590
27	1,790	2,000	2,280	3,970	11,900	3,900	4,290	2,580	2,280	1,840	1,840	1,740
28	1,890	2,000	2,400	3,740	10,300	4,290	4,290	2,710	2,160	1,890	1,790	1,740
29	1,940	2,000	2,780	3,600	9,560	4,370	4,780	2,640	2,060	1,790	1,790	1,590
30	2,000	2,000	3,170	3,520	-	4,210	4,610	2,580	2,110	1,790	1,790	1,640
31	2,000	-	3,310	3,450	-	4,210	-	2,580	-	1,790	1,840	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	60,560	2,280	1,840	1,954	120,100
November	59,470	2,110	1,890	1,982	118,000
December	69,780	3,310	1,940	2,251	138,400
Calendar year 1935	1,437,230	26,400	1,790	3,938	2,851,000
January	237,040	30,500	2,640	7,646	470,200
February	280,360	30,100	2,840	9,666	556,100
March	172,050	8,680	3,900	5,550	341,300
April	139,990	7,470	3,970	4,666	277,700
May	95,260	4,130	2,340	3,073	188,900
June	75,960	3,740	2,060	2,532	150,700
July	63,040	2,340	1,790	2,034	125,000
August	56,640	1,890	1,740	1,827	112,300
September	54,450	1,940	1,590	1,815	108,000
Water year 1935-36	1,364,600	30,500	1,590	3,728	2,707,000

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 1936.

Extremes.- Maximum discharge during year, 574 second-feet Feb. 21 (gage height, 4.38 feet); minimum, 14 second-feet July 19.
1928-36: 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 for periods of ice effect, Dec. 14-29, Jan. 18 to Feb. 10, which are fair. Water diverted above station for irrigation in Jess and West Valleys; storage reservoir under construction on West Valley Creek.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	39	31	38	30	127	69	238	132	40	26	18
2	21	40	33	40	30	145	76	251	123	35	25	25
3	22	49	31	40	30	159	112	262	120	33	24	21
4	23	59	32	45	30	143	114	276	305	34	25	22
5	23	66	32	41	30	130	84	293	199	33	26	22
6	23	48	30	40	32	120	114	267	162	29	26	21
7	24	44	35	35	32	107	137	233	178	26	24	20
8	23	40	40	40	32	112	101	209	159	26	23	20
9	22	40	33	42	34	117	85	197	139	27	24	19
10	20	34	37	45	38	92	89	212	123	29	25	19
11	18	35	37	91	42	88	101	233	112	31	26	18
12	42	36	46	58	54	92	118	246	102	26	33	18
13	32	34	38	47	87	82	132	246	101	26	28	20
14	28	30	34	79	110	75	149	259	100	23	26	23
15	32	35	30	197	130	69	164	273	100	22	25	23
16	37	34	28	201	142	68	180	248	92	22	23	26
17	33	38	27	110	123	70	204	230	85	21	20	25
18	32	39	27	70	91	70	217	212	80	20	20	23
19	30	35	26	50	91	68	227	202	81	20	20	23
20	30	35	26	40	91	71	246	185	77	20	20	23
21	30	34	26	31	278	76	273	166	72	20	18	22
22	29	40	26	30	454	68	311	153	66	26	18	22
23	27	38	26	30	217	64	368	137	63	27	18	20
24	29	37	26	30	104	65	384	130	75	25	19	20
25	30	33	26	30	75	62	347	134	82	25	18	21
26	31	34	28	29	77	62	329	134	65	26	16	22
27	31	35	30	29	76	68	317	134	59	27	16	22
28	32	35	30	29	90	61	302	134	54	27	17	22
29	35	32	36	29	120	58	281	149	54	26	18	23
30	34	32	42	28	-	58	270	180	49	27	18	23
31	37	-	41	28	-	61	-	149	-	27	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	879	42	18	28.4	1,740
November	1,160	66	30	38.7	2,300
December	990	46	26	31.9	1,960
Calendar year 1935	27,416	556	12	75.1	54,380
January	1,672	201	28	53.9	3,320
February	2,770	454	30	95.5	5,490
March	2,708	159	58	87.4	5,370
April	5,901	384	69	197	11,700
May	6,372	293	130	206	12,640
June	3,209	305	49	107	6,360
July	826	40	20	26.6	1,640
August	685	33	16	22.1	1,360
September	646	26	18	21.5	1,280
Water year 1935-36	27,818	454	16	76.0	55,160

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 1936; July 1926 to April 1928 at site half a mile upstream.

Extremes.- Maximum discharge recorded during year, 203 second-feet May 14 (gage height, 3.20 feet); minimum, 73 second-feet July 22.
1926-36: Maximum discharge, 419 second-feet Mar. 26, 1928 (gage height, 4.00 feet, former site and datum); minimum, 67 second-feet Sept. 7, 1934.

Remarks.- Records good except those interpolated for Feb. 11, those for Feb. 13 to Mar. 3, computed on basis of temperature and precipitation records, and those for May 3 to Sept. 30, computed by shifting-control method, which are fair. Irrigation diversions above station, 2 to 30 second-feet.

Rating table, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 3 to Sept. 30)

2.3	75
2.4	84
2.5	96
2.6	109
2.7	124
2.8	139
2.9	155
3.0	171
3.1	188
3.2	207

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	82	83	83	83	84	83	86	114	124	90	81	78
2	85	82	84	86	81	83	89	123	123	91	81	79
3	84	79	84	86	80	82	90	139	126	92	82	79
4	84	80	84	90	81	84	89	133	124	91	83	79
5	83	82	84	86	80	85	88	130	126	90	84	81
6	82	86	84	85	79	85	89	114	144	88	84	80
7	81	85	84	83	80	85	90	111	174	88	84	79
8	81	84	84	85	78	86	90	115	147	89	83	82
9	80	84	84	85	80	89	90	123	133	89	79	85
10	79	85	85	89	80	88	91	133	127	94	78	86
11	80	85	89	118	83	89	94	150	126	97	78	86
12	81	85	86	94	86	89	96	158	120	96	79	86
13	79	85	81	86	84	90	100	169	117	94	79	88
14	80	84	81	121	84	90	104	196	111	92	78	86
15	82	84	81	136	84	89	109	168	112	91	78	86
16	80	85	80	108	84	90	118	155	114	90	81	86
17	79	85	81	91	84	90	117	153	118	88	80	85
18	81	84	81	92	84	91	109	155	117	85	81	81
19	83	83	81	94	84	91	107	150	111	84	86	79
20	83	84	80	88	84	92	111	136	117	79	88	79
21	82	84	80	85	84	94	115	121	120	78	88	78
22	82	85	80	86	84	92	135	123	121	76	88	77
23	82	84	81	86	84	90	136	127	123	76	88	77
24	83	84	81	86	84	91	127	138	127	77	88	76
25	83	83	82	85	84	90	124	139	123	77	88	76
26	84	83	83	85	84	89	129	138	120	78	88	78
27	83	84	83	84	84	90	132	138	115	78	88	79
28	82	84	83	84	84	91	132	144	111	78	88	83
29	82	84	83	82	84	91	123	123	109	78	78	85
30	80	83	84	81	-	90	112	115	95	80	77	86
31	82	-	83	82	-	86	-	123	-	81	78	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,534	85	79	81.7	5,030
November	2,512	86	79	83.7	4,980
December	2,564	89	80	82.7	5,090
Calendar year 1935	33,960	199	70	93.0	67,360
January	2,812	136	81	90.7	5,580
February	2,400	86	78	82.8	4,760
March	2,745	94	82	88.5	5,440
April	3,222	136	86	107	6,390
May	4,254	196	111	137	8,440
June	3,675	174	95	122	7,290
July	2,655	97	76	85.6	5,270
August	2,564	88	77	82.7	5,090
September	2,445	88	76	81.5	4,850
Water year 1935-36	34,382	196	76	93.9	68,210

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 1936.

Extremes.- Maximum discharge during year, 2,570 second-feet Feb. 22 (gage height, 3.62 feet), from rating curve extended above 1,600 second-feet; minimum, 562 second-feet Dec. 16-25 and Feb. 8-10 (gage height, 0.87 foot).

1931-36: Maximum discharge, that of Feb. 22, 1936; minimum, 524 second-feet Nov. 23, 24, 1932.

Remarks.- Records good except those for Feb. 27 to Apr. 13, which are computed on basis of records for station at Baird and are fair. Two small diversions above station, total capacity about 10 second-feet.

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

0.8	520	1.7	1,115
.9	580	1.8	1,185
1.0	643	1.9	1,260
1.1	708	2.0	1,335
1.2	774	2.5	1,710
1.3	840	2.9	2,010
1.4	907	3.0	2,090
1.5	975	3.5	2,490
1.6	1,045		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	586	580	574	574	586	830	750	860	682	637	580	574
2	599	580	574	574	580	830	750	847	675	637	580	574
3	586	574	568	574	580	830	770	840	675	637	580	574
4	586	580	568	580	574	830	800	860	669	630	580	574
5	580	586	568	580	574	830	800	860	669	630	580	574
6	580	586	574	574	568	830	800	840	682	624	580	574
7	580	586	574	574	568	830	800	820	747	617	580	574
8	580	586	574	574	562	820	810	813	947	617	580	574
9	586	586	568	580	562	820	810	813	880	617	580	568
10	592	586	568	611	562	820	810	820	807	611	580	568
11	599	586	586	813	574	810	810	840	774	611	580	568
12	599	586	580	747	656	810	820	840	754	605	580	568
13	599	586	574	695	734	810	820	847	741	605	580	568
14	611	586	568	760	754	810	820	887	734	605	580	574
15	605	586	568	975	787	800	840	887	760	605	580	574
16	599	586	562	975	807	800	873	833	747	599	574	574
17	592	586	562	820	800	800	900	800	721	599	574	574
18	592	586	562	721	781	800	900	787	708	599	574	568
19	592	586	562	682	754	790	893	774	695	599	574	568
20	592	586	562	656	754	790	880	747	688	599	574	568
21	592	586	562	643	1,370	790	880	734	682	599	574	568
22	592	592	562	630	2,330	780	914	728	675	605	574	568
23	592	586	562	617	1,670	780	947	728	669	599	574	574
24	586	586	562	611	1,300	780	1,010	728	662	599	574	574
25	586	580	562	605	1,080	780	975	734	656	592	574	574
26	580	580	568	605	975	770	927	741	649	586	574	574
27	580	580	568	599	900	770	900	734	649	586	574	580
28	580	580	568	592	850	770	900	747	643	586	574	580
29	580	574	574	586	840	760	920	728	637	586	574	580
30	580	574	580	586	-	760	907	708	637	580	574	586
31	580	-	574	586	-	760	-	695	-	580	574	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	18,263	611	580	589	36,220
November	17,508	592	574	584	34,730
December	17,638	586	562	569	34,980
Calendar year 1935	246,676	1,300	538	676	489,300
January	20,299	975	574	655	40,260
February	24,432	2,330	562	842	48,460
March	24,790	830	760	800	49,170
April	25,736	1,010	750	858	51,050
May	24,620	887	695	794	48,830
June	21,314	947	637	710	42,280
July	18,781	637	580	606	37,250
August	17,884	580	574	577	35,470
September	17,190	586	568	573	34,100
Water year 1935-36	248,455	2,330	562	679	492,800

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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 1936; December 1910 to December 1930, staff gage 1 mile upstream.

Average discharge.- 25 years (1911-36), 1,637 second-feet.

Extremes.- Maximum discharge during year, 25,900 second-feet Feb. 21 (gage height, 18.66 feet); minimum, 705 second-feet Nov. 29 to Dec. 5.
1910-36: 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 except those for extreme high water, which are good. No large diversions.

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

1.2	660	2.8	1,340	5.8	3,750	10.0	9,350
1.4	720	3.0	1,450	6.2	4,190	11.0	10,900
1.6	785	3.4	1,700	6.6	4,660	12.0	12,500
1.8	860	3.8	1,980	7.0	5,150	13.0	14,200
2.0	940	4.2	2,290	7.5	5,800	14.0	16,000
2.2	1,030	4.6	2,610	8.0	6,450	15.0	18,000
2.4	1,130	5.0	2,970	8.5	7,150		
2.6	1,230	5.4	3,350	9.0	7,850		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	720	735	705	962	1,160	3,150	1,340	1,660	1,100	1,010	802	750
2	750	735	705	1,180	1,130	2,970	1,310	1,600	1,080	985	802	750
3	750	720	705	1,100	1,100	2,790	1,700	1,570	1,080	985	802	750
4	735	720	705	1,200	1,080	2,610	2,450	1,570	1,080	962	802	750
5	735	720	720	1,160	1,060	2,450	1,980	1,570	1,060	962	785	750
6	720	720	802	1,010	1,030	2,370	1,840	1,510	1,130	940	785	750
7	720	720	820	940	1,030	2,210	1,740	1,480	1,540	940	785	735
8	720	720	785	1,090	1,010	2,130	1,740	1,450	2,530	940	785	735
9	720	720	750	2,290	985	2,050	1,700	1,420	2,130	985	785	720
10	720	720	735	3,460	985	1,980	1,660	1,420	1,770	962	768	720
11	735	720	839	7,580	1,030	1,910	1,660	1,420	1,600	940	768	720
12	750	720	1,070	3,350	2,230	1,840	1,660	1,420	1,480	920	768	720
13	735	720	820	3,550	4,300	1,840	1,660	1,420	1,420	920	768	735
14	802	720	768	6,750	3,650	1,770	1,660	1,540	1,370	920	768	735
15	840	720	750	9,980	3,970	1,700	1,660	1,570	1,450	900	768	735
16	768	735	735	6,650	5,670	1,660	1,700	1,450	1,420	900	750	735
17	750	720	735	4,080	5,540	1,630	1,700	1,370	1,340	880	750	720
18	735	735	735	2,970	4,900	1,600	1,700	1,340	1,280	880	750	720
19	735	720	720	2,370	4,080	1,570	1,660	1,310	1,230	880	750	720
20	735	720	720	2,050	3,860	1,570	1,630	1,260	1,200	860	750	720
21	735	720	720	1,770	16,400	1,570	1,630	1,230	1,180	860	750	720
22	720	768	720	1,630	17,700	1,540	1,630	1,200	1,130	860	750	720
23	720	735	720	1,510	10,600	1,510	1,660	1,180	1,100	860	750	720
24	735	720	720	1,456	7,430	1,510	1,840	1,180	1,100	860	750	720
25	735	720	720	1,400	5,670	1,450	1,840	1,180	1,080	840	750	720
26	720	720	735	1,340	4,540	1,420	1,660	1,180	1,060	840	750	720
27	720	720	802	1,280	3,970	1,400	1,630	1,180	1,030	840	750	720
28	720	720	768	1,260	3,550	1,400	1,600	1,260	1,030	820	750	720
29	720	705	985	1,230	3,350	1,400	1,840	1,230	1,010	820	750	720
30	720	705	1,280	1,200	-	1,400	1,770	1,180	1,010	820	750	720
31	720	-	1,240	1,180	-	1,420	-	1,130	-	802	735	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	22,840	840	720	737	45,300
November	21,693	768	705	723	43,030
December	24,734	1,280	705	798	49,060
Calendar year 1935	507,268	7,230	705	1,390	1,006,000
January	78,972	9,980	940	2,547	156,600
February	123,010	17,700	985	4,242	244,000
March	57,820	3,150	1,400	1,865	114,700
April	51,250	2,450	1,310	1,708	101,700
May	42,480	1,660	1,130	1,370	84,260
June	39,020	2,530	1,010	1,301	77,400
July	27,893	1,010	802	900	55,320
August	23,726	802	735	765	47,060
September	21,870	750	720	729	43,380
Water year 1935-36	535,308	17,700	705	1,463	1,062,000

Mill Creek near Los Molinos, Calif.

Location.- Water-stage recorder, lat. 40°3'20", long. 122°1'15", in N½ 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 1936; September 1909 to September 1913 (fragmentary), staff gage 0.3 mile below.

Extremes.- Maximum discharge during year, 4,380 second-feet Feb. 21 (gage height, 8.83 feet); minimum, 78 second-feet Oct. 1, 9, 10.
1928-36: 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 Jan. 12 to Feb. 3, which were computed on basis of records for Deer Creek near Vina and are fair. No large diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	78	89	83	129	155	349	298	337	262	205	107	87
2	86	92	83	258	150	349	260	327	252	207	106	99
3	88	89	85	217	145	349	652	349	260	201	104	107
4	83	86	83	177	137	342	759	414	262	193	103	101
5	82	86	85	166	137	325	400	414	265	193	101	114
6	81	86	89	140	134	314	327	362	320	188	101	104
7	81	86	96	133	132	302	318	337	645	181	100	99
8	79	86	102	249	131	298	344	349	500	179	99	96
9	78	86	93	1,010	128	311	349	387	374	183	97	94
10	78	85	89	1,160	128	300	362	442	344	179	100	92
11	81	83	114	2,210	221	289	387	470	337	174	104	91
12	108	85	364	750	1,020	289	414	456	342	170	111	92
13	92	85	140	500	950	300	428	515	332	168	103	92
14	100	83	111	900	1,030	291	456	610	304	166	99	92
15	139	83	102	2,200	850	282	485	515	300	159	96	91
16	116	88	97	1,500	1,380	278	530	456	295	158	94	90
17	99	92	95	800	890	282	545	428	298	155	92	90
18	95	92	92	550	870	284	515	428	302	153	92	88
19	93	86	89	450	645	284	485	414	284	148	92	88
20	93	85	89	370	732	291	485	362	271	147	92	87
21	89	85	89	320	2,660	307	485	335	267	145	94	87
22	86	95	88	280	1,880	302	515	349	271	142	94	86
23	83	96	88	250	1,230	278	530	362	273	140	92	86
24	83	89	86	230	910	269	500	387	278	135	92	85
25	85	88	86	210	750	243	428	414	262	129	92	85
26	85	86	89	195	575	225	428	400	245	126	92	83
27	85	85	109	185	485	221	414	400	231	124	91	83
28	85	83	102	180	428	229	400	414	217	120	90	85
29	85	83	260	170	374	298	387	349	211	114	88	85
30	86	83	171	160	-	297	374	300	205	113	87	86
31	86	-	168	155	-	422	-	271	-	110	87	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,768	139	78	89.3	5,490
November	2,606	96	83	86.9	5,170
December	3,537	364	83	114	7,020
Calendar year 1935	101,700	2,300	76	279	201,700
January	16,204	2,210	129	523	32,140
February	19,257	2,660	128	664	38,200
March	9,200	422	221	297	18,250
April	13,260	759	260	442	26,300
May	12,353	610	271	398	24,500
June	9,009	645	205	300	17,870
July	4,905	207	110	158	9,730
August	2,992	111	87	96.5	5,930
September	2,745	114	83	91.5	5,440
Water year 1935-36	98,836	2,660	76	270	196,000

Elder Creek near Henleyville, Calif.

Location.- Water-stage recorder, lat. 40°2', 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 1936.

Extremes.- Maximum discharge during year, 5,750 second-feet Feb. 21 (gage height, 6.9 feet) by slope-area method; no flow for several months.
1930-36: Maximum discharge, about 6,300 second-feet Jan. 1, 1934 (gage height, 7.26 feet); no flow for several months each year.

Remarks.- Records good. No large diversions.

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

2.0	0	3.0	154
2.1	0.8	3.2	253
2.2	2.4	3.4	390
2.3	5.0	3.7	675
2.4	11	4.0	1,020
2.6	35	4.5	1,630
2.8	85	5.0	2,300
		5.5	3,000

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	2.7	28	39	167	55	39	12	2.9		
2		0	2.7	118	35	167	53	39	13	2.4		
3		0	2.7	104	32	167	203	37	18	2.2		
4		0	2.7	53	31	158	494	37	15	2.2		
5		0	2.7	42	29	150	124	32	14	1.8		
6		0	2.9	31	27	139	91	29	21	1.1		
7		0	3.4	24	27	136	82	27	114	.7		
8		0	4.5	63	25	124	82	25	60	.6		
9		0	5	487	24	121	77	24	34	1.3		
10		0	4.7	559	22	114	77	22	24	3.2		
11		0	8	1,000	28	107	79	21	20	3.7		
12		.5	35	226	134	104	82	21	17	3.2		
13		.7	17	382	176	101	82	21	16	2.1		
14		.8	10	450	132	95	82	24	15	1.0		
15		1.0	7.5	1,120	633	85	82	21	15	.2		
16		1.4	6	675	664	82	79	18	14	0		
17		1.8	5	296	602	85	77	17	12	0		
18		2.4	4.7	194	984	82	71	16	10	0		
19		4.0	4.5	147	398	77	68	16	10	0		
20		2.9	4.5	117	345	74	63	16	8.5	0		
21		2.7	4.2	98	2,540	74	63	15	8	0		
22		3.2	4.2	82	1,120	71	63	14	7	0		
23		3.4	4.0	71	580	68	60	12	5.5	0		
24		3.4	4.0	65	390	68	55	11	4.7	0		
25		2.9	4.0	60	322	65	50	10	4.2	0		
26		2.4	4.2	55	248	60	46	10	4.0	0		
27		2.4	7.5	50	220	57	46	11	3.7	0		
28		2.4	9	50	204	55	44	16	3.4	0		
29		2.4	91	48	180	55	83	16	3.4	0		
30		2.7	44	44	-	65	48	14	3.2	0		
31		-	65	42	-	82	-	13	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	43.4	4.0	0	1.45	86
December	377.3	91	2.7	12.2	748
Calendar year 1935	24,893.8	758	0	68.2	49,380
January	6,781	1,120	24	219	13,450
February	10,191	2,540	22	351	20,210
March	3,055	167	55	98.5	6,060
April	2,661	494	44	88.7	5,280
May	644	39	10	20.8	1,280
June	509.6	114	3.2	17.0	1,010
July	28.6	3.7	0	.92	57
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	24,290.9	2,540	0	66.4	48,180

Thomas Creek at Paskenta, Calif.

Location.- Water-stage recorder, lat. 39°52'0", long. 122°33'0", in SE¼ sec. 5, T. 23 N., R. 6 W., half a mile upstream from Paskenta and 4½ miles below Mill Creek.

Drainage area.- 188 square miles.

Records available.- August 1930 to September 1936; October 1920 to August 1930, staff gage half a mile downstream (gage heights only, prior to January 1921).

Average discharge.- 15 years (1921-36), 209 second-feet.

Extremes.- Maximum discharge during year, 8,290 second-feet Jan. 15 (gage height, 12.45 feet); minimum, 0.2 second-foot Sept. 25-29.
1921-36: Maximum discharge, about 16,600 second-feet Mar. 26, 1928 (gage height, 10.5 feet, former site and datum), from curve extended above 9,000 second-feet; no flow for short periods in 1921, 1922, 1924, 1926, 1929-34.

Remarks.- Records good except those under 2 second-feet, which are fair. Discharge interpolated Nov. 3, computed for Feb. 24, 25 on basis of records for nearby stations. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	9	11	50	242	738	194	208	69	25	3.6	0.4
2	.9	11	11	696	220	940	186	208	73	24	3.4	.4
3	1.4	10	10	391	197	1,000	279	225	74	22	3.3	.5
4	1.2	9	10	402	184	883	289	221	67	21	3.1	.9
5	1.1	9	10	268	171	783	230	216	64	20	2.9	1.2
6	1.1	8.5	10	156	159	738	225	190	104	18	2.7	1.8
7	.9	8.5	11	113	152	654	324	174	234	17	2.5	1.8
8	1.0	9	17	116	143	615	444	167	200	16	2.4	1.5
9	1.0	9	28	402	138	654	428	184	154	17	2.2	1.4
10	1.0	9	20	1,870	136	578	460	210	119	21	2.2	1.4
11	3.0	8.5	23	3,570	186	526	526	214	105	21	2.4	1.3
12	3.7	8	140	1,090	710	509	578	239	97	18	2.2	1.3
13	2.8	8	62	1,030	685	509	578	251	89	16	2.0	1.5
14	3.2	8	41	3,280	882	460	596	268	82	14	2.0	1.6
15	6	8.5	34	6,220	1,090	428	596	204	79	13	1.9	1.5
16	14	9	29	2,950	1,120	413	578	172	74	12	1.8	1.4
17	18	12	26	1,560	1,060	413	526	149	67	12	1.8	1.4
18	13	15	24	1,000	2,350	395	476	144	60	12	1.6	1.2
19	14	12	22	720	2,020	374	428	138	56	11	1.5	.9
20	13	11	20	555	2,070	395	428	124	52	9.5	1.4	.8
21	12	12	20	458	4,680	428	389	114	49	9	1.3	.7
22	10	13	18	398	3,480	383	392	111	46	8	1.2	.6
23	9	28	18	362	2,420	338	374	115	44	7	1.3	.4
24	8	23	17	362	1,500	307	350	115	41	6	1.2	.3
25	7.5	18	17	344	1,000	268	321	118	37	5.5	.9	.2
26	7	15	18	317	760	239	294	118	34	5.5	.7	.2
27	7	13	22	301	674	223	274	112	33	5	.6	.2
28	6.5	12	29	327	634	234	263	107	30	4.7	.5	.2
29	6.5	12	61	307	654	248	246	94	28	4.4	.4	.2
30	6	11	62	274	-	246	225	84	27	4.1	.4	.3
31	6.5	-	80	257	-	230	-	75	-	3.8	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	186.9	18	0.6	6.03	371
November	348.0	28	8	11.6	690
December	921	140	10	29.7	1,830
Calendar year 1935	70,671.4	2,230	.2	194	140,200
January	30,146	6,220	50	972	59,790
February	29,717	4,680	136	1,025	58,940
March	15,149	1,000	223	489	30,050
April	11,497	596	186	383	22,800
May	5,069	268	75	164	10,050
June	2,288	234	27	76.3	4,540
July	402.5	25	3.8	13.0	798
August	55.8	3.6	.4	1.80	111
September	27.5	1.8	.2	.92	55
Water year 1935-36	95,807.7	6,220	.2	262	190,000

Deer Creek near Vina, Calif.

Location.- Water-stage recorder, lat. 40°1'0", long. 121°56'0", in NE¼ sec. 23, T. 25 N., R. 1 W., 0.8 mile above concrete diversion dam and 9 miles northeast of Vina. Altitude, about 480 feet.

Drainage area.- 200 square miles.

Records available.- October 1911 to December 1915, March 1920 to September 1936.

Average discharge.- 19 years (1912-15, 1920-36), 265 second-feet.

Extremes.- Maximum discharge during year, 5,550 second-feet Feb. 21 (gage height, 8.00 feet); minimum, 69 second-feet Oct. 1.
1911-15, 1920-36: Maximum discharge, 12,200 second-feet Mar. 26, 1928 (gage height, 15.0 feet, former site and datum), from rating curve extended above 5,000 second-feet; minimum, 43 second-feet Dec. 13, 1932.

Remarks.- Records good. No diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	81	78	130	158	542	304	322	157	108	81	74
2	76	89	78	194	158	533	284	315	153	106	81	80
3	77	86	78	194	152	524	798	311	157	104	80	91
4	76	81	80	174	142	498	1,110	301	166	104	80	87
5	74	80	80	167	140	471	632	298	155	102	80	92
6	73	81	83	138	136	441	502	291	166	101	78	87
7	71	83	91	124	134	412	471	268	433	99	78	80
8	71	83	98	189	132	395	467	256	315	101	77	78
9	70	81	94	1,100	128	391	450	253	225	104	77	78
10	70	80	86	1,450	126	379	441	250	195	104	78	77
11	73	78	101	2,790	179	359	446	250	177	104	80	77
12	86	80	267	854	1,230	348	454	253	168	101	83	77
13	81	80	148	562	1,300	351	454	253	159	97	80	77
14	91	80	110	1,060	1,510	344	463	284	155	95	77	77
15	148	80	96	2,720	1,180	333	476	294	151	94	75	75
16	130	83	91	2,010	1,640	318	489	256	144	92	75	75
17	96	91	86	1,010	1,210	318	498	233	138	91	74	74
18	86	94	83	638	1,180	315	480	225	134	91	74	74
19	83	87	81	486	898	308	458	215	130	89	74	74
20	81	83	80	397	952	308	446	208	126	89	75	73
21	78	83	80	326	3,400	318	441	198	123	89	75	73
22	77	87	80	283	3,120	308	454	188	119	87	75	73
23	76	96	80	255	1,890	298	454	179	117	87	75	73
24	76	89	78	234	1,360	294	420	173	117	86	74	71
25	77	83	78	216	1,090	272	395	168	115	86	74	71
26	77	80	81	202	870	256	371	170	111	86	74	71
27	77	80	109	189	735	250	359	168	110	86	74	70
28	77	80	98	184	646	256	359	186	108	86	74	71
29	77	80	254	172	586	340	375	193	108	84	74	73
30	78	80	170	162	-	363	371	177	108	83	74	73
31	80	-	189	158	-	436	-	166	-	83	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,532	148	69	81.7	5,020
November	2,499	96	78	83.3	4,960
December	3,286	267	78	106	6,520
Calendar year 1935	109,280	2,720	67	299	216,700
January	18,768	2,790	124	605	37,230
February	26,382	3,400	126	910	52,330
March	11,279	542	250	364	22,370
April	14,122	1,110	284	471	28,010
May	7,302	322	166	236	14,480
June	4,740	433	108	158	9,400
July	2,919	108	83	94.2	5,790
August	2,374	83	74	76.6	4,710
September	2,296	92	70	76.5	4,550
Water year 1935-36	98,499	3,400	69	269	195,400

Chico Creek near Chico, Calif.

Location.- Water-stage recorder, lat. 39°46', long. 121°46', 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 1936.

Extremes.- Maximum discharge during year, 4,940 second-feet Feb. 21 (gage height, 12.70 feet); minimum, 20 second-feet Sept. 19-30.
1930-36: Maximum discharge, that of Feb. 21, 1936; minimum, 10 second-feet Dec. 11, 1932.

Remarks.- Records excellent. No large diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	27	25	72	55	298	147	70	42	30	23	22
2	25	29	25	96	58	269	129	69	40	30	23	23
3	27	28	26	105	55	244	391	67	42	29	23	25
4	24	26	26	90	52	218	1,020	64	43	28	23	25
5	24	26	26	82	50	194	554	63	41	30	23	25
6	23	25	27	65	48	173	371	60	49	29	23	24
7	23	25	31	54	47	158	308	56	153	28	23	23
8	22	25	32	115	46	144	280	55	116	28	23	22
9	22	25	29	903	44	134	253	53	85	30	23	22
10	22	25	28	1,450	43	125	225	51	69	30	23	22
11	24	25	33	2,280	100	118	202	50	60	30	23	22
12	27	25	103	534	868	112	180	49	54	29	23	22
13	25	25	49	379	1,420	108	164	54	50	28	22	23
14	30	25	36	951	1,050	102	147	59	47	27	22	23
15	43	25	32	1,730	890	95	134	60	45	27	22	23
16	37	26	31	1,310	1,460	91	123	51	42	26	22	22
17	28	28	29	579	1,190	88	116	48	40	25	22	22
18	26	29	29	343	1,070	85	109	47	38	25	22	21
19	25	27	28	238	803	81	102	45	37	25	22	21
20	24	27	28	182	908	78	97	44	37	25	23	20
21	24	27	27	144	3,080	75	94	43	36	24	23	20
22	24	28	27	119	2,350	72	95	41	34	24	23	20
23	24	28	27	105	1,270	71	90	40	33	24	23	20
24	24	27	27	94	900	74	83	40	33	24	23	20
25	24	27	27	86	704	74	79	40	33	23	25	20
26	24	26	27	78	539	69	74	40	31	23	23	20
27	24	26	42	73	452	67	72	41	31	23	22	20
28	24	25	39	68	397	74	71	55	30	23	22	20
29	24	25	137	63	345	92	80	51	30	23	22	20
30	24	25	98	58	-	112	80	47	30	23	22	21
31	25	-	122	56	-	244	-	44	-	23	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	788	43	22	25.4	1,560
November	787	29	25	26.2	1,560
December	1,273	137	25	41.1	2,520
Calendar year 1935	51,179	2,060	22	140	101,500
January	12,502	2,280	54	403	24,800
February	20,294	3,080	43	700	40,250
March	3,939	298	67	127	7,910
April	5,870	1,020	71	196	11,640
May	1,597	70	40	51.5	3,170
June	1,451	153	30	48.4	2,880
July	816	30	23	26.3	1,620
August	703	25	22	22.7	1,390
September	653	25	20	21.8	1,300
Water year 1935-36	50,673	3,080	20	138	100,500

Stony Creek above Stony Gorge Reservoir, Calif.

Location.- Water-stage recorder, lat. 39°30'5", long. 122°31'0", 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 1936.

Extremes.- Maximum discharge during year, 7,160 second-feet Feb. 21 (gage height, 8.60 feet), from rating curve extended above 3,000 second-feet; minimum, 5.5 second-feet Sept. 26.

1933-36: Maximum discharge, that of Feb. 21, 1936; 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, watermaster for Stony Creek and tributaries.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	24	25	58	154	728	196	179	94	38	11	351
2	17	28	25	213	146	715	190	188	98	35	12	356
3	19	27	25	205	134	676	442	188	112	35	9.5	324
4	22	26	24	166	131	614	620	185	101	32	8	28
5	21	26	24	149	112	555	387	174	90	29	8.5	22
6	20	26	24	104	69	500	356	165	116	32	8	20
7	21	26	26	83	58	456	373	154	214	30	8	21
8	21	26	26	72	45	423	396	149	211	30	7	20
9	20	26	27	754	36	396	373	152	179	37	7	16
10	19	26	26	1,220	36	369	351	160	154	38	7	16
11	22	26	26	2,740	238	342	347	160	136	40	7.5	17
12	24	26	48	946	1,740	330	334	154	118	31	9.5	15
13	24	26	44	815	1,660	318	326	168	107	26	12	16
14	24	26	35	1,500	1,200	294	318	171	103	24	12	17
15	27	26	32	2,740	1,390	279	310	152	101	21	38	14
16	28	26	31	2,540	1,560	275	302	134	86	20	338	12
17	26	26	29	1,200	1,390	268	287	121	80	26	351	12
18	24	26	28	728	1,560	257	268	121	74	26	356	12
19	24	26	27	544	954	246	260	112	67	26	356	12
20	21	26	26	414	1,060	233	250	109	61	25	360	11
21	21	26	26	342	3,540	205	246	114	61	22	360	10
22	21	27	26	302	4,460	196	246	103	58	18	360	8.5
23	22	28	26	264	2,600	190	229	103	50	18	360	7
24	22	26	26	243	1,900	185	214	98	46	20	360	8
25	22	26	25	220	1,560	179	208	94	42	21	360	7.5
26	21	26	26	205	1,150	171	208	92	41	21	364	6
27	21	24	31	193	954	163	202	98	41	20	364	6.5
28	21	24	36	182	843	190	199	112	43	19	364	24
29	21	25	93	174	774	211	202	112	43	21	364	306
30	21	25	81	163	-	223	188	105	42	15	360	322
31	21	-	83	154	-	246	-	96	-	12	356	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	674	28	16	21.7	1,340
November	778	28	24	25.9	1,540
December	1,057	93	24	34.1	2,100
Calendar year 1935	72,692	1,960	13	199	144,200
January	19,633	2,740	58	633	38,940
February	31,454	4,460	36	1,085	62,390
March	10,435	728	163	337	20,700
April	8,828	620	188	294	17,510
May	4,223	188	92	136	8,380
June	2,769	214	41	92.3	5,490
July	808	40	12	26.1	1,600
August	5,898.0	364	7	190	11,700
September	2,017.5	356	6	67.2	4,000
Water year 1935-36	88,574.5	4,460	6	242	175,700

Grindstone Creek near Elk Creek, Calif.

Location.- Water-stage recorder, lat. 39°41', long. 122°32', in sec. 15, T. 21 N., R. 6 W., 0.2 mile downstream from county road bridge, 0.4 mile above mouth, and 5 miles north of town of Elk Creek.

Records available.- November 1935 to September 1936.

Extremes.- Maximum discharge during period, 2,700 second-feet Jan. 15 (gage height, 7.58 feet); minimum, 0.2 second-foot Aug. 29 to Sept. 27.

Remarks.- Records fair Nov. 1 to 24 (staff gage read once daily); good Nov. 25 to Sept. 30. Discharge interpolated Nov. 1-3, 9, 10, 16, 17, and 20. Gage-height record and results of several discharge measurements furnished by E. A. Garland, watermaster for Stony Creek and tributaries.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0.6	3.3	37	96	465	108	103	36	10	0.6	0.2
2		.7	3.3	236	90	490	108	103	38	10	.6	.2
3		.8	3.3	154	81	452	194	103	40	9.5	.6	.2
4		.9	3.6	162	76	402	233	98	37	8.5	.6	.2
5		1.1	3.6	133	74	341	161	96	35	8	.6	.2
6		1.1	3.6	75	69	295	150	91	46	7.5	.5	.2
7		1.2	3.6	54	67	257	184	84	98	7.5	.5	.2
8		1.2	5.5	47	64	233	218	82	84	7	.4	.2
9		1.2	15	354	63	221	212	82	65	7.5	.4	.2
10		1.3	13	942	58	198	204	87	53	8.5	.4	.2
11		1.4	12	1,470	79	184	202	66	47	8.5	.4	.2
12		1.4	38	533	454	175	196	89	44	7.5	.4	.2
13		1.2	33	520	468	169	192	91	40	5	.4	.2
14		1.1	21	1,360	487	160	190	92	38	4.7	.4	.2
15		1.4	17	2,210	685	148	190	82	35	4.9	.4	.2
16		1.8	15	1,560	745	142	188	74	34	4.7	.4	.2
17		2.2	13	920	715	140	180	66	31	4.0	.4	.2
18		2.6	11	610	780	135	169	65	28	3.6	.4	.2
19		2.6	10	405	555	125	160	62	26	3.1	.4	.2
20		2.4	9.5	307	530	120	154	59	24	2.8	.3	.2
21		2.2	8.5	249	1,430	125	148	56	23	1.8	.3	.2
22		2.4	8.5	216	1,400	120	150	53	20	1.3	.3	.2
23		3.3	6.5	189	1,040	112	144	49	18	1.1	.4	.2
24		5.5	6	174	820	108	139	47	16	1.0	.4	.2
25		4.3	5.5	163	665	103	133	45	13	.7	.4	.2
26		4.3	5.5	148	515	96	123	42	12	.7	.3	.2
27		4.0	7	137	452	91	120	41	13	.7	.3	.2
28		3.6	18	130	465	116	118	45	12	.7	.3	.3
29		3.6	35	119	478	161	114	45	11	.7	.2	.3
30		3.6	62	107	-	137	108	42	11	.7	.2	.3
31		-	56	100	-	129	-	38	-	.7	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November	65.0	5.5	0.6	2.17	129
December	455.8	62	3.3	14.7	904
Calendar year					
January	13,841	2,210	37	446	27,450
February	13,501	1,430	58	466	26,780
March	6,150	490	91	198	12,200
April	4,890	233	108	163	9,700
May	2,198	103	38	70.9	4,360
June	1,028	98	11	34.3	2,040
July	142.9	10	.7	4.61	283
August	12.4	.6	.2	.40	25
September	6.3	.3	.2	.21	12
The period					83,880

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 1936.

Extremes.- Maximum discharge during year, 8,660 second-feet Feb. 21 (gage height, 13.13 feet); minimum, 63 second-feet Dec. 6.
1930-36: Maximum discharge, that of Feb. 21, 1936; 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 1935-36:

Month	Mean discharge in second-feet	Run-off in acre-feet
October	44	2,710
November	33	1,960
December	32	1,970
January	58	3,570
February	64	3,680
March	23	1,410
April	79	4,700
May	23	1,410
June	68	4,050
July	53	3,260
August	55	3,380
September	40	2,380
The year	47.6	34,480

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	92	118	90	189	291	918	540	395	257	167	128	107
2	109	129	92	280	281	870	504	395	232	162	126	104
3	118	141	102	298	291	822	834	361	251	158	126	126
4	107	111	102	269	271	750	1,840	368	260	136	126	132
5	118	120	92	259	254	681	995	379	232	151	128	126
6	104	120	102	221	248	614	752	344	284	145	128	124
7	113	122	115	192	244	592	716	322	611	149	126	118
8	111	120	127	278	219	535	722	312	364	145	124	113
9	109	120	111	1,340	213	514	699	294	291	153	122	104
10	100	104	109	2,300	257	474	688	274	235	156	124	109
11	111	120	134	3,910	477	459	688	308	267	156	126	107
12	120	98	366	1,120	1,610	449	666	288	264	138	128	107
13	122	96	169	840	2,340	449	633	288	257	134	120	107
14	144	107	146	1,960	2,030	439	590	340	251	132	124	111
15	215	92	124	3,590	1,630	429	616	368	241	134	122	104
16	183	107	124	2,580	2,520	404	600	308	232	136	120	107
17	120	115	115	1,320	2,030	434	622	244	227	138	130	105
18	109	113	115	900	1,960	404	628	238	221	140	116	114
19	107	111	109	686	1,560	386	606	241	218	147	124	97
20	127	98	107	570	1,880	390	575	224	213	147	126	93
21	115	100	107	560	5,580	390	585	227	207	136	130	113
22	102	109	86	482	4,210	376	628	194	192	142	111	105
23	118	111	92	432	2,670	363	600	210	192	140	124	105
24	113	109	111	412	2,000	367	590	232	182	134	130	96
25	107	102	84	385	1,600	340	535	257	194	136	114	96
26	115	102	113	362	1,350	327	510	264	189	132	124	92
27	115	98	146	351	1,180	390	473	264	170	132	122	97
28	102	96	132	308	1,050	464	443	312	170	134	130	97
29	115	92	325	315	990	566	447	302	162	130	111	100
30	113	96	302	298	-	582	419	270	187	126	113	104
31	115	-	317	295	-	780	-	260	-	132	111	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,669	215	92	118	7,280
November	3,277	141	92	109	6,500
December	4,366	366	84	141	8,660
Calendar year 1935	141,986	4,120	62	389	281,600
January	27,302	3,910	189	881	54,150
February	41,236	5,580	213	1,422	81,790
March	15,958	918	327	515	31,650
April	19,744	1,840	419	658	39,160
May	9,083	395	194	293	18,020
June	7,253	611	162	242	14,390
July	4,398	167	126	142	8,720
August	3,814	130	111	123	7,560
September	3,220	132	92	107	6,390
Water year 1935-36	143,320	5,580	84	392	284,300

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 1936.

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 is 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. On Sept. 30, 1935, storage in Butt Valley Reservoir was 49,338 acre-feet; on Sept. 30, 1936, it was 22,075 acre-feet. Table of daily contents, furnished by Pacific Gas & Electric Co., shows amount available for release at dam; storage above 15,660 acre-feet may be diverted through tunnel to Butt Valley Reservoir.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	354,304	350,776	343,433	315,033	363,786	409,942	402,271	483,741	507,173	497,617	474,024	406,903
2	353,126	352,118	344,265	315,194	365,149	410,121	404,050	485,274	506,781	496,454	472,697	404,229
3	351,951	353,295	345,096	313,911	366,344	410,121	406,725	486,425	506,977	495,485	470,426	402,449
4	350,776	353,463	345,596	314,071	367,541	410,121	409,226	487,577	506,977	496,260	467,971	400,851
5	349,436	352,286	344,764	312,950	368,226	409,405	411,375	488,730	506,781	496,841	465,146	399,963
6	348,266	351,279	343,932	312,150	369,254	407,617	413,349	490,270	507,760	497,617	462,328	398,723
7	347,097	350,274	343,267	311,511	370,112	405,476	415,506	491,427	509,526	497,811	459,706	397,484
8	345,763	349,436	342,271	311,032	369,082	403,516	417,126	492,391	510,311	498,200	457,089	396,246
9	344,265	348,600	341,442	312,470	367,712	401,561	418,569	493,164	511,097	498,782	455,970	394,833
10	342,935	347,597	340,614	314,071	367,028	400,496	420,013	494,130	511,294	499,949	453,736	391,838
11	341,774	346,096	339,291	317,765	367,883	400,141	421,820	494,904	510,901	501,117	451,320	389,905
12	340,449	344,764	340,780	319,376	369,597	399,786	423,631	495,872	510,508	502,091	449,280	388,327
13	339,291	343,766	339,456	321,476	370,112	399,077	425,626	497,229	510,311	503,066	446,690	386,926
14	339,291	343,101	338,795	324,878	370,971	399,077	427,624	498,588	509,722	504,043	444,656	384,305
15	340,449	342,271	337,970	330,089	371,142	398,723	429,808	499,949	509,133	505,215	443,183	381,692
16	341,277	341,940	336,486	334,677	373,897	398,191	433,275	501,117	508,153	506,194	441,710	378,739
17	341,940	341,277	334,348	337,970	376,142	397,660	435,835	502,091	507,173	506,585	438,953	377,526
18	342,935	340,283	332,380	340,780	378,566	396,953	439,503	502,676	506,389	506,194	436,202	374,933
19	343,600	339,126	330,416	344,098	380,475	396,953	442,078	503,262	505,998	504,433	433,640	373,380
20	344,265	338,135	328,620	347,097	382,736	397,307	446,135	503,652	505,607	501,507	430,902	371,830
21	344,930	337,475	326,503	349,436	385,353	397,484	452,063	504,043	505,215	498,588	428,898	370,283
22	345,263	336,816	324,878	350,776	392,190	397,130	456,716	504,629	504,824	496,260	427,261	367,883
23	345,596	336,322	323,256	352,454	397,307	396,599	461,204	505,020	504,043	493,937	425,626	364,979
24	345,929	337,475	321,314	353,967	401,383	396,423	466,087	505,411	503,066	491,812	423,631	362,254
25	346,263	338,300	320,183	355,483	404,585	396,069	470,237	505,607	502,676	490,270	421,278	359,709
26	346,763	339,126	318,409	356,833	407,617	395,539	473,834	505,802	502,091	488,346	419,110	357,678
27	347,430	339,787	317,926	358,016	408,869	395,010	476,492	505,998	501,507	485,657	417,306	355,820
28	347,931	340,449	317,604	359,200	410,300	395,010	479,539	506,389	500,533	483,359	415,146	353,463
29	348,767	341,442	318,087	360,726	409,763	395,716	481,065	506,585	499,754	480,874	412,990	350,944
30	349,269	342,271	316,800	361,745	-	397,484	482,785	506,781	498,588	478,395	411,555	348,934
31	349,771	-	315,675	362,594	-	400,496	-	507,173	-	476,112	409,405	-

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 1936; June 1905 to March 1914, staff gage or recorder on the river near site of Almanor Dam.

Average discharge.- 30 years (1905-10, 1911-36), 864 second-feet.

Extremes.- 1905-36: 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 for storage record.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,020	19	18	902	22	895	75	871	861	846	1,070	1,800
2	1,020	18	18	902	22	922	75	882	854	799	1,560	1,470
3	1,020	179	18	902	22	1,000	75	882	859	25	1,670	1,290
4	1,020	916	506	902	22	1,180	76	884	861	25	1,670	1,120
5	1,020	910	860	902	22	1,880	76	885	863	25	1,670	1,120
6	1,020	904	897	902	53	1,880	76	883	851	25	1,670	1,120
7	1,070	904	897	902	903	1,880	76	881	897	25	1,560	1,120
8	1,060	904	897	902	903	1,880	76	881	877	25	1,050	1,170
9	1,030	903	897	902	903	1,400	76	887	871	25	1,680	1,820
10	1,020	903	1,270	20	903	1,330	76	878	868	25	1,680	1,530
11	1,020	903	1,020	20	903	1,120	76	883	870	25	1,640	1,130
12	1,020	903	897	20	903	1,120	76	884	872	25	1,580	1,130
13	995	903	896	20	903	1,120	59	888	866	25	1,520	1,620
14	159	903	896	23	818	1,120	22	895	867	26	1,120	1,660
15	120	903	1,280	23	23	1,120	22	886	868	26	1,110	1,660
16	120	902	1,310	22	23	1,120	24	884	864	221	1,590	1,500
17	121	896	1,310	22	23	1,100	24	881	866	507	1,660	1,450
18	121	897	1,480	22	23	1,000	24	885	861	1,300	1,680	1,120
19	121	897	1,480	22	23	1,000	24	881	857	1,660	1,720	1,120
20	120	897	1,380	22	24	1,000	24	878	847	1,620	1,410	1,600
21	120	896	944	22	24	999	24	873	850	1,580	1,120	1,660
22	119	765	1,410	22	23	999	24	868	851	1,580	1,120	1,820
23	119	16	1,370	22	23	999	24	875	851	1,450	1,410	1,650
24	119	17	950	22	23	999	24	874	845	1,140	1,480	1,650
25	119	17	1,170	22	73	990	24	874	846	1,040	1,480	1,550
26	119	17	1,220	22	478	955	24	875	854	1,510	1,480	1,130
27	119	17	926	22	873	955	62	873	844	1,580	1,550	1,590
28	117	17	927	22	895	815	1,020	867	844	1,580	1,300	1,670
29	117	17	925	22	895	75	1,030	866	845	1,570	1,120	1,660
30	120	17	896	22	-	75	990	868	846	1,490	1,670	1,660
31	86	-	896	22	-	75	-	871	-	1,190	1,880	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15,491	1,070	86	500	30,730
November	17,360	916	16	579	34,430
December	29,861	1,480	18	963	59,230
Calendar year 1935	275,652	1,890	16	755	546,800
January	8,596	902	20	277	17,050
February	10,748	903	22	371	21,320
March	33,003	1,880	75	1,065	65,480
April	4,378	1,030	22	146	8,680
May	27,243	895	866	879	54,040
June	25,776	897	844	859	51,130
July	22,990	1,660	25	742	45,600
August	45,920	1,880	1,070	1,481	91,080
September	43,590	1,820	1,120	1,453	86,460
Water year 1935-36	284,956	1,880	16	779	565,200

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 1936.

Average discharge.- 22 years (1911-12, 1913-20, 1921-30, 1931-36), 2,412 second-feet.

Extremes.- Maximum discharge during year, 38,400 second-feet Feb. 21 (gage height, 18.8 feet); minimum, 817 second-feet Nov. 3.
1911-30, 1931-36: Maximum daily discharge, 35,000 second-feet Jan. 1, 1914; minimum daily discharge, 235 second-feet Oct. 31, 1932. Instantaneous extremes not known.

Remarks.- Storage and diversions above station. See records for Lake Almanor and Bucks Creek storage reservoir. Records of daily discharge furnished by Pacific Gas & Electric Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,370	1,330	1,260	1,680	1,400	6,080	2,320	4,090	2,670	1,600	1,730	2,330
2	1,390	1,210	1,410	1,820	1,200	6,260	2,750	4,100	2,530	1,630	1,440	2,320
3	1,490	917	1,530	1,640	1,310	6,590	3,130	4,540	2,500	1,550	1,890	1,950
4	1,430	1,660	1,640	1,870	1,600	6,940	3,640	4,550	2,550	1,510	2,160	1,780
5	1,380	1,440	1,610	1,570	1,610	7,180	3,470	4,100	2,590	1,480	2,190	1,500
6	1,380	1,170	1,630	1,760	1,850	6,940	3,070	3,980	3,110	1,490	2,080	1,320
7	1,490	1,160	1,720	1,760	1,830	6,810	3,080	3,740	5,250	1,580	2,140	1,310
8	1,530	1,130	1,620	1,840	1,680	6,720	3,390	3,310	4,040	1,560	2,040	1,560
9	1,640	1,320	1,610	2,580	1,720	6,720	3,460	3,380	3,440	1,510	1,410	1,600
10	1,510	1,200	1,650	6,940	1,820	5,790	3,640	3,480	3,080	1,520	1,940	2,300
11	1,470	1,380	1,840	16,600	2,660	5,550	3,830	3,420	2,920	1,390	2,000	2,160
12	1,450	987	2,340	5,850	5,940	5,150	4,180	3,600	2,650	1,410	2,250	1,620
13	1,420	1,620	1,820	4,340	7,700	5,150	4,370	3,880	2,420	1,530	2,290	1,500
14	1,550	1,520	1,790	8,340	6,660	5,230	4,710	5,110	2,360	1,600	2,060	1,940
15	1,670	1,400	1,640	25,000	5,570	5,070	4,890	4,680	2,250	1,620	1,490	2,160
16	1,580	1,440	1,900	14,000	6,180	5,100	5,190	4,450	2,180	1,620	1,400	2,150
17	1,540	1,160	2,060	7,800	5,260	5,020	5,370	4,140	2,100	1,720	1,960	2,020
18	1,510	1,480	2,040	5,200	4,720	5,020	5,180	4,050	2,060	1,820	2,170	2,030
19	1,470	1,400	2,110	3,640	4,210	4,870	5,110	3,850	1,940	1,860	2,170	1,690
20	1,460	1,340	2,130	3,120	5,300	4,870	5,050	3,500	1,890	2,340	2,210	1,520
21	1,490	1,220	2,160	2,460	20,700	4,870	5,070	3,400	1,820	2,440	1,880	1,990
22	1,530	1,350	1,690	2,020	23,700	4,790	5,550	3,440	1,800	2,290	1,450	2,200
23	1,560	1,440	1,930	1,840	16,900	4,560	5,360	3,320	1,780	2,290	1,400	2,410
24	1,540	986	2,140	1,760	10,900	4,090	4,810	3,330	1,720	2,250	1,790	2,290
25	1,540	1,410	1,600	1,640	7,920	3,900	4,400	3,300	1,680	1,910	1,960	2,310
26	1,440	1,260	1,820	1,450	7,080	3,530	4,120	3,200	1,650	1,960	1,970	2,270
27	1,540	1,400	1,900	1,530	6,740	2,670	3,940	3,020	1,660	2,520	1,970	1,500
28	1,450	1,140	1,840	1,810	6,600	2,640	4,200	2,250	1,620	2,460	2,050	1,880
29	1,550	1,100	1,870	1,490	6,250	2,210	4,310	2,360	1,720	2,290	1,840	2,180
30	1,450	1,360	1,890	1,380	-	2,260	4,240	2,490	1,720	2,240	1,410	2,270
31	1,610	-	1,850	1,420	-	1,970	-	2,600	-	2,160	2,000	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	46,430	1,670	1,370	1,498	92,090
November	38,930	1,660	917	1,298	77,220
December	56,040	2,340	1,260	1,808	111,200
Calendar year 1935	938,750	8,430	917	2,572	1,862,000
January	136,150	25,000	1,380	4,392	270,000
February	177,010	23,700	1,200	6,104	351,100
March	154,550	7,180	1,970	4,985	306,500
April	125,830	5,550	2,320	4,194	249,600
May	112,660	5,110	2,250	3,634	223,500
June	71,700	5,250	1,620	2,390	142,200
July	57,150	2,520	1,390	1,844	113,400
August	58,740	2,290	1,400	1,895	116,500
September	58,060	2,410	1,310	1,935	115,200
Water year 1935-36	1,093,250	25,000	917	2,987	2,169,000

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. Zero of gage is 182.02 feet above mean sea level (general adjustment of 1929).

Drainage area.- 3,611 square miles.

Records available.- October 1934 to September 1936; January 1902 to September 1934, comparable record at Oroville, 3 miles downstream.

Average discharge.- 34 years, 5,917 second-feet.

Extremes.- Maximum discharge during year, 85,400 second-feet Feb. 21 (gage height, 55.4 feet); minimum, 525 second-feet Nov. 29 (gage height, 4.12 feet).
1902-36: Maximum discharge, 211,000 second-feet Mar. 26, 1928 (gage height, 26.08 feet, former site and datum); minimum (estimated), 300 second-feet, regulated, Nov. 9, 1931 (gage height, -1.7 feet, former site and datum).

Remarks.- Records excellent. Lake Almanor, Bucks, Butt Valley, other storage reservoirs, and three large power plants above station; also small diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,520	1,570	1,510	2,370	3,370	12,300	7,520	8,480	4,460	2,390	2,040	2,440
2	1,570	1,580	1,650	2,710	3,130	12,300	6,800	8,320	4,220	2,340	1,840	2,590
3	1,670	1,130	1,740	2,650	2,950	12,500	7,680	9,340	4,220	2,240	2,090	2,340
4	1,620	1,850	1,810	3,130	3,130	12,500	12,900	9,700	4,280	2,240	2,490	2,040
5	1,620	1,610	1,860	2,830	3,190	12,400	9,250	9,340	4,280	2,140	2,540	1,840
6	1,500	1,490	1,890	2,590	3,370	11,700	7,680	8,480	4,720	2,040	2,390	1,600
7	1,580	1,340	2,000	2,370	3,370	11,300	7,280	7,680	10,800	2,090	2,490	1,560
8	1,690	1,400	1,930	2,950	3,130	11,000	7,680	7,120	8,320	2,240	2,390	1,790
9	1,740	1,480	1,990	7,320	3,010	11,000	8,000	7,040	6,400	2,040	1,740	1,840
10	1,650	1,440	1,930	15,400	3,130	10,200	8,240	7,600	5,570	2,040	2,190	2,290
11	1,580	1,640	2,180	34,900	5,120	9,700	8,800	7,680	5,120	1,940	2,340	2,390
12	1,820	1,280	3,490	14,100	16,800	9,250	9,700	7,680	4,790	1,940	2,440	1,940
13	1,680	1,670	2,480	9,720	22,800	9,340	10,200	7,840	4,460	2,040	2,390	1,560
14	1,760	1,720	2,320	18,600	21,800	9,340	11,000	9,700	4,280	2,040	2,340	2,090
15	2,220	1,540	2,100	46,400	17,400	9,070	11,400	9,340	4,100	2,040	1,740	2,340
16	2,140	1,670	2,260	35,400	21,700	8,980	12,300	8,320	3,920	2,040	1,690	2,290
17	1,910	1,480	2,370	17,900	17,700	9,070	12,900	7,680	3,800	2,140	2,190	2,240
18	1,780	1,690	2,370	12,200	15,200	9,160	12,500	7,360	3,680	2,140	2,440	2,190
19	1,700	1,650	2,420	9,090	13,600	8,980	11,900	7,040	3,560	2,240	2,440	1,890
20	1,680	1,560	2,420	7,480	16,300	8,800	11,900	6,190	3,380	2,540	2,440	1,560
21	1,650	1,520	2,540	6,420	46,700	9,160	11,900	5,840	3,200	2,760	2,140	2,090
22	1,720	1,620	1,980	5,710	54,200	9,160	13,300	5,770	3,080	2,590	1,640	2,390
23	1,750	1,890	2,260	4,940	37,100	8,480	13,100	5,700	2,980	2,540	1,600	2,440
24	1,670	1,360	2,420	4,490	26,700	7,840	12,000	5,570	2,920	2,440	2,090	2,440
25	1,740	1,650	1,770	4,230	19,600	7,200	10,800	5,840	2,810	2,040	2,240	2,440
26	1,630	1,540	2,040	3,850	15,600	6,640	9,970	5,570	2,700	1,940	2,140	2,390
27	1,600	1,620	2,420	3,730	14,300	6,120	9,430	5,380	2,640	2,290	2,240	1,640
28	1,720	1,410	2,260	3,970	13,500	6,400	9,520	5,700	2,540	2,340	2,240	1,940
29	1,770	1,310	2,890	3,550	12,900	8,720	9,880	5,380	2,540	2,540	2,140	2,340
30	1,810	1,610	2,890	3,370	-	8,240	9,340	4,920	2,540	2,590	1,560	2,390
31	1,780	-	2,950	3,250	-	9,430	-	4,600	-	2,540	2,190	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	53,270	2,220	1,500	1,718	105,700
November	46,320	1,890	1,130	1,544	91,870
December	69,140	3,490	1,510	2,230	137,100
Calendar year 1935	1,948,650	51,300	1,130	5,339	3,865,000
January	297,620	46,400	2,370	9,601	590,300
February	440,800	54,200	2,950	15,200	874,300
March	296,280	12,500	6,120	9,557	587,700
April	304,870	13,300	6,800	10,160	604,700
May	222,200	9,700	4,600	7,168	440,700
June	126,310	10,800	2,540	4,210	250,500
July	69,510	2,760	1,940	2,242	137,900
August	66,870	2,540	1,560	2,157	132,600
September	63,320	2,590	1,560	2,111	125,600
Water year 1935-36	2,056,510	54,200	1,130	5,619	4,079,000

Feather River at Nicolaus, Calif.

Location.- Water-stage recorder, lat. 38°54'0", long. 121°35'5", 0.4 mile downstream from highway bridge at Nicolaus, Sutter County. Gage is set to datum of Corps of Engineers, U. S. Army.

Records available.- June 1921 to October 1936 (low-water records only). Gage-height records for high-water periods in years 1920-21, 1926-36 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge during 1936, 526 second-feet Aug. 25 (gage height, 21.28 feet).
1921-36: No flow Aug. 2-18, 1924, July 11-22, 24, 26, Aug. 1, 1931.

Remarks.- Records good. Many storage reservoirs and power plants and large diversions by Western, Sutter Butte, and other canals above station.

Discharge, in second-feet, 1935-36

Day	Oct.							June	July	Aug.	Sept.	Oct.
1	1,670							7,440	2,150	1,460	680	2,300
2	1,850							6,740	2,000	1,320	1,140	2,300
3	1,900							5,950	1,820	1,060	1,320	2,250
4	1,940							5,820	1,730	929	1,240	2,050
5	1,940							5,950	1,730	1,190	1,030	1,780
6	1,940							6,210	1,500	1,320	1,000	1,730
7	1,850							10,400	1,280	1,240	840	2,000
8	1,900							17,800	1,240	1,280	645	1,960
9	1,980							15,000	1,280	1,240	617	1,820
10	2,030							11,000	1,190	1,100	768	1,680
11	2,030							9,120	1,140	840	983	1,640
12	1,980							8,640	1,100	1,100	1,370	1,600
13	2,080							8,020	1,060	1,100	1,240	1,500
14	2,170							7,160	1,040	1,190	1,020	1,680
15	2,220							6,600	1,060	1,140	974	1,730
16	2,620							6,080	1,050	956	1,460	1,680
17	2,720							5,690	1,040	666	1,600	1,780
18	2,470							5,690	1,030	666	1,550	1,780
19	2,220							5,560	1,070	1,030	1,550	1,730
20	2,120							5,060	1,090	1,090	1,550	1,640
21	1,980							4,580	1,240	1,140	1,320	1,680
22	1,940							4,580	1,600	1,050	1,370	1,780
23	1,940							3,990	1,460	824	1,860	1,780
24	1,900							3,770	1,420	610	2,050	1,780
25	1,980							3,550	1,420	603	2,150	1,730
26	1,800							3,330	1,240	888	2,150	1,730
27	1,760							3,000	1,060	929	2,150	1,500
28	1,720							2,800	1,080	947	1,860	1,640
29	1,800							2,500	1,320	983	1,730	1,680
30	1,850							2,200	1,370	1,010	2,150	1,730
31	1,900							-	1,420	872	-	1,780

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	62,200	2,720	1,670	2,006	123,400
1936					
June	194,230	17,800	2,200	6,474	385,200
July	41,230	2,150	1,030	1,330	81,780
August	31,773	1,460	603	1,025	63,020
September	41,367	2,150	617	1,379	82,050
October	55,440	2,300	1,500	1,788	110,000
The period					722,000

Indian Creek near Crescent Mills, Calif.

Location.- Water-stage recorder, lat. 40°5'0", long. 120°56'0", in SW¼ sec. 25, T. 26 N., R. 9 E., 0.8 mile above mouth of 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 1936. January 1906 to December 1909, September 1911 to March 1918, at site 500 feet upstream.

Average discharge.- 15 years (1906-9, 1911-17, 1930-36), 503 second-feet.

Extremes.- Maximum discharge during year, 5,460 second-feet Feb. 23 (gage height, 10.80 feet); minimum, 7.5 second-feet Oct. 1.
1906-9, 1911-18, 1930-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.5	35	49	96	212	920	950	980	262	51	9.5	8
2	10	39	49	107	232	920	802	920	243	46	9.5	8
3	11	40	50	137	214	980	780	890	264	37	9.5	8
4	12	39	51	129	184	1,100	890	920	314	31	9	8
5	18	39	53	124	182	1,160	890	890	311	28	9	9
6	15	41	54	110	168	1,190	757	830	326	25	8.5	8.5
7	14	44	55	98	168	1,160	708	735	548	23	8.5	8.5
8	14	44	58	95	163	1,160	729	676	598	22	8	8.5
9	14	43	63	226	152	1,190	808	651	465	22	8.5	8.5
10	14	41	59	564	152	1,280	920	651	376	22	8.5	8.5
11	18	41	61	548	248	1,280	1,040	666	328	20	8.5	9
12	26	42	116	477	980	1,250	1,220	656	291	22	8.5	8.5
13	28	43	114	670	1,320	1,310	1,400	651	258	22	8.5	8.5
14	32	43	91	898	1,260	1,400	1,580	641	221	22	8	8.5
15	36	43	72	1,320	1,200	1,400	1,700	636	209	22	7.5	9
16	37	44	63	2,550	1,230	1,340	1,790	570	195	20	7	9.5
17	34	51	58	2,110	1,200	1,310	1,860	505	180	18	6.5	9.5
18	33	55	55	1,320	1,090	1,340	1,860	454	167	16	7	10
19	32	54	51	925	952	1,340	1,790	419	157	16	7	10
20	32	51	46	670	870	1,340	1,700	382	140	14	7	10
21	31	49	46	477	1,170	1,340	1,640	360	118	14	7	10
22	32	52	45	374	3,780	1,340	1,640	341	108	13	6.5	10
23	31	56	44	327	4,550	1,250	1,700	323	96	12	7	10
24	31	57	44	300	2,660	1,130	1,640	309	81	12	7.5	9.5
25	33	55	47	281	1,790	1,010	1,490	300	70	10	8	9
26	33	54	50	268	1,490	890	1,370	302	63	9.5	8	9
27	33	51	65	246	1,250	729	1,250	297	55	9	8	9
28	33	50	71	236	1,100	692	1,160	304	50	9.5	8	9.5
29	33	49	106	223	980	785	1,130	323	50	9.5	7.5	9.5
30	33	49	142	201	-	950	1,070	304	54	9.5	7.5	10
31	34	-	119	190	-	1,010	-	284	-	9.5	7.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	794.5	37	7.5	25.6	1,580
November	1,394	57	35	46.5	2,760
December	2,047	142	44	66.0	4,060
Calendar year 1935	179,680.6	4,990	2.0	492	356,300
January	16,297	2,550	95	526	32,320
February	30,947	4,550	152	1,067	61,380
March	35,496	1,400	692	1,145	70,410
April	38,264	1,860	708	1,275	75,900
May	17,170	980	284	554	34,060
June	6,598	598	50	220	13,090
July	616.5	51	9	19.9	1,220
August	246.5	9.5	6.5	7.95	489
September	271.5	10	8	9.05	539
Water year 1935-36	150,142.0	4,550	6.5	410	297,800

Spanish Creek at Keddie, Calif.

Location.- Water-stage recorder, lat. 40°0'5", 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.

Drainage area.- 184 square miles.

Records available.- October 1933 to September 1936. October 1911 to September 1933, from staff gage at site 1.2 miles downstream.

Average discharge.- 20 years (1911-19, 1921-33) at former site, 230 second-feet.

Extremes.- Maximum discharge during year, 5,940 second-feet Feb. 21 (gage height, 8.60 feet); minimum, 11 second-feet Aug. 17, 19-22, 28, Sept. 1.
1911-36: Maximum discharge, about 11,000 second-feet Mar. 26, 1928 (gage height, 15.5 feet, former site and datum) from rating curve extended above 2,000 second-feet; minimum, 3.8 second-feet Aug. 12, 1934.

Remarks.- Records excellent. Water diverted above station for irrigation in American Valley.

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

1.0	11	2.4	131	4.2	1,000
1.2	18	2.6	178	4.6	1,320
1.4	27	2.8	240	5.0	1,680
1.6	39	3.0	314	5.5	2,170
1.8	53	3.4	490	6.0	2,720
2.0	70	3.8	730	6.5	3,300
2.2	94				

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	43	47	86	119	445	291	330	121	43	18	11
2	20	50	46	99	127	455	265	342	115	42	18	14
3	22	50	47	109	113	475	330	362	123	40	17	16
4	22	45	47	104	104	460	465	362	138	38	16	18
5	23	45	47	109	102	431	383	358	125	35	16	36
6	23	49	49	90	96	405	330	314	168	32	16	31
7	23	51	53	79	94	388	338	280	396	33	15	27
8	22	54	54	79	90	375	396	276	269	34	15	26
9	26	54	53	286	88	396	427	276	196	37	16	24
10	24	52	52	772	89	375	450	291	166	40	16	22
11	26	51	55	1,920	286	354	512	291	149	39	17	20
12	30	50	133	605	1,620	354	545	284	135	37	16	20
13	31	50	90	367	1,360	371	557	284	123	35	16	20
14	37	47	71	667	986	358	575	295	117	34	16	21
15	63	47	62	1,960	808	342	587	280	111	31	16	21
16	61	52	56	1,810	874	334	629	240	102	28	13	22
17	50	66	53	665	665	350	635	224	96	27	11	22
18	46	65	51	396	528	358	599	214	88	26	12	22
19	43	58	49	299	485	342	551	202	84	25	11	21
20	42	54	47	244	659	350	528	184	79	25	11	20
21	40	51	47	202	2,450	367	534	176	76	24	11	20
22	38	60	48	178	3,090	354	635	166	70	22	11	19
23	39	66	48	160	1,540	310	587	158	65	20	12	19
24	40	59	47	151	972	291	518	156	63	19	13	18
25	38	55	49	144	743	269	455	156	60	19	14	18
26	40	52	50	135	593	237	422	146	57	19	13	20
27	40	51	71	129	512	221	400	142	55	20	12	20
28	39	50	68	125	465	234	388	166	55	20	11	20
29	39	50	137	119	450	371	396	158	51	20	12	21
30	40	48	123	111	-	350	362	146	45	19	12	21
31	42	-	106	109	-	367	-	131	-	18	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,088	63	19	35.1	2,160
November	1,575	66	43	52.5	3,120
December	1,956	137	46	63.1	3,880
Calendar year 1935	86,908.0	3,640	7.5	238	172,400
January	12,309	1,960	79	397	24,410
February	20,108	3,090	88	693	39,880
March	11,089	475	221	358	21,990
April	14,090	635	265	470	27,950
May	7,390	362	131	238	14,660
June	3,498	396	45	117	6,940
July	901	43	18	29.1	1,790
August	435	18	11	14.0	863
September	630	36	11	21.0	1,250
Water year 1935-36	75,069	3,090	11	205	148,900

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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 1936.

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. Record of contents, furnished by Pacific Gas & Electric Co., shows total amount, of which 274 acre-feet is not available for release.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	91,280	89,186	74,827	61,530	70,679	81,142	87,023	101,653	103,392	102,293	98,297	89,099
2	91,105	88,839	74,416	61,223	70,759	81,564	87,367	102,017	103,392	102,293	98,028	88,926
3	91,105	88,492	74,008	60,917	70,840	81,733	87,972	102,659	103,300	102,201	98,028	88,493
4	91,105	88,145	73,600	60,994	70,840	81,817	88,492	103,026	103,209	102,201	97,938	88,406
5	91,105	87,540	73,191	60,994	70,840	81,564	88,752	103,392	103,209	102,201	97,669	88,059
6	91,105	86,764	72,703	61,070	70,840	81,395	89,013	103,668	103,392	102,201	97,131	87,972
7	91,105	86,161	71,973	61,070	71,001	81,058	89,176	103,759	103,944	102,109	96,682	87,885
8	91,017	85,732	71,568	61,146	71,163	80,721	89,446	103,851	104,036	102,109	96,235	87,798
9	91,017	85,218	71,082	61,530	71,244	80,386	89,708	104,036	103,851	102,109	96,056	87,540
10	90,843	84,619	70,679	62,149	71,325	80,470	89,970	104,128	103,668	102,109	95,967	87,195
11	90,494	84,107	70,277	63,623	71,649	80,721	90,231	104,313	103,576	102,109	95,789	86,851
12	90,581	83,597	70,036	64,559	72,621	81,058	90,581	104,313	103,392	102,109	95,433	86,247
13	90,581	83,087	69,714	65,502	73,273	81,395	91,104	104,313	103,300	102,109	95,344	85,989
14	90,668	82,662	69,232	66,448	73,519	81,564	91,544	104,313	103,209	102,109	94,987	85,903
15	90,930	82,239	68,753	67,399	73,681	81,817	92,071	104,405	103,117	102,017	94,631	85,561
16	91,017	81,818	68,274	68,354	73,844	82,071	92,666	104,313	102,935	101,653	94,366	85,218
17	91,017	81,395	67,795	68,833	74,007	82,408	93,392	104,313	102,843	101,562	94,277	84,791
18	91,017	80,889	67,320	69,073	74,170	82,662	94,100	104,220	102,751	101,562	94,012	84,533
19	91,017	80,470	66,844	69,312	74,498	83,002	94,454	104,128	102,751	101,562	93,746	84,362
20	91,105	80,051	66,369	69,472	74,909	83,257	94,809	104,036	102,751	101,562	93,304	84,022
21	91,105	79,548	65,974	69,553	76,307	83,682	95,255	103,944	102,659	101,471	92,247	83,427
22	91,105	79,213	65,503	69,633	76,803	84,022	96,235	103,851	102,659	101,016	91,895	83,002
23	91,105	78,714	65,030	69,633	77,382	84,277	97,131	103,851	102,659	100,560	91,807	82,577
24	91,105	78,214	64,559	69,714	77,964	84,533	98,028	103,851	102,567	100,287	91,719	82,155
25	91,105	77,715	64,091	69,875	78,297	84,791	98,749	103,851	102,567	100,105	91,719	81,648
26	91,105	77,217	63,623	70,036	78,797	85,047	99,472	103,759	102,476	100,105	91,280	81,058
27	91,105	76,638	63,389	70,197	79,297	85,304	99,924	103,667	102,384	99,924	90,756	80,470
28	91,105	76,142	62,922	70,277	79,967	85,561	100,378	103,759	102,384	99,563	90,231	80,051
29	90,755	75,648	62,768	70,357	80,554	86,075	100,833	103,667	102,384	99,291	89,795	79,548
30	90,232	75,237	62,381	70,437	-	86,420	101,289	103,576	102,293	99,020	89,533	79,047
31	89,708	-	61,916	70,518	-	86,678	-	103,484	-	98,659	89,359	-

Grizzly Creek near Storrie, Calif.

Location.- Water-stage recorder, lat. 39°52', long. 121°14', in SW¼ 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 1936.

Extremes.- Maximum discharge during year, 1,000 second-feet Feb. 21 (gage height, 4.86 feet), from rating curve extended above 150 second-feet; minimum, 0.4 second-foot Aug. 25-29.

1929-32, 1933-36: Maximum discharge, about 1,000 second-feet Dec. 12, 1929, Feb. 21, 1936; minimum, 0.1 second-foot Sept. 7-14, 1932.

Remarks.- Records good. Discharge interpolated Dec. 11-24 and Sept. 3-30. No diversions or regulation above station. Gage-height record furnished by Pacific Gas & Electric Co.

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

1.0	0.3	2.2	59
1.1	.5	2.4	82
1.2	.8	2.6	111
1.3	1.8	2.8	146
1.4	4.0	3.0	188
1.5	7.5	3.2	238
1.6	12.0	3.4	296
1.7	17	3.6	366
1.8	24	3.7	404
1.9	31	4.0	535
2.0	39		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.5	0.8	1.7	6.5	14	34	32	95	29	6	0.7	0.6
2	.6	.8	1.5	10	14	38	29	105	28	5.5	.6	.6
3	.6	.8	1.3	16	14	41	28	137	30	5.5	.6	.6
4	.6	.8	1.3	101	16	40	27	137	28	5.5	.6	.6
5	.6	.8	1.3	34	15	39	25	128	25	5.5	.7	.6
6	.5	.9	1.7	15	15	38	27	98	74	5	.7	.6
7	.5	1.1	3.3	12	15	37	30	90	162	5	.7	.6
8	.5	1.1	3.6	12	15	39	36	104	61	5	.7	.6
9	.5	1.2	2.5	68	16	45	41	128	42	6	.7	.6
10	.5	1.1	2.0	235	14	41	51	137	35	6	.8	.6
11	1.0	1.1	2.0	344	106	43	68	135	31	5	.8	.6
12	1.4	1.1	2.0	81	110	49	75	135	26	4.4	.8	.6
13	.7	1.2	2.0	53	64	52	86	111	23	4.0	.8	.6
14	3.1	1.1	2.0	226	114	53	95	152	19	3.6	.8	.6
15	4.7	1.1	2.0	522	78	54	114	110	17	3.3	.7	.6
16	2.5	1.6	2.5	188	64	57	128	105	15	2.7	.7	.6
17	1.7	2.2	2.5	78	49	62	121	99	14	2.2	.7	.6
18	1.6	1.7	2.5	54	41	63	113	93	12	1.8	.7	.6
19	1.4	1.6	2.5	41	38	63	116	76	11	1.6	.6	.6
20	1.3	1.6	2.5	33	61	69	125	63	10	1.3	.6	.6
21	1.1	1.5	3.0	29	440	76	137	61	8.5	1.2	.6	.6
22	1.0	5.5	3.0	25	238	69	205	67	7.5	1.0	.6	.6
23	.9	4.0	3.0	23	102	56	160	67	7	.9	.5	.6
24	.8	3.1	3.0	20	68	47	130	68	7	.8	.5	.6
25	.8	2.2	3.3	18	55	40	120	60	6.5	.8	.4	.6
26	.9	1.8	3.3	16	46	35	118	56	6	.7	.4	.6
27	.8	1.7	4.0	16	41	31	110	48	6	.7	.4	.6
28	.8	1.6	3.6	15	37	38	120	63	6	.7	.4	.6
29	.8	1.6	25	14	36	85	113	42	5.5	.7	.4	.6
30	.8	1.7	16	14	-	47	98	35	5.5	.7	.5	.6
31	.8	-	8	14	-	37	-	30	-	.7	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34.2	4.7	0.5	1.10	68
November	48.4	5.5	.8	1.61	96
December	117.9	25	1.3	3.80	234
Calendar year 1935	11,222.2	235	.5	30.7	22,260
January	2,333.5	522	6.5	75.3	4,630
February	1,936	440	14	66.8	3,840
March	1,518	85	31	49.0	3,010
April	2,678	205	25	89.3	5,310
May	2,835	152	30	91.5	5,620
June	757.5	162	5.5	25.2	1,500
July	93.8	6	.7	3.03	186
August	19.2	.8	.4	.62	38
September	18.0	.6	.6	.60	36
Water year 1935-36	12,389.5	522	.4	33.9	24,570

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 1936.

Extremes.- Maximum discharge during year, 14,400 second-feet Feb. 21 (gage height, 23.60 feet); minimum, 4.1 second-feet Oct. 25.
1930-36: Maximum discharge, that of Feb. 21, 1936; minimum, 3.1 second-feet Oct. 4, 1931.

Remarks.- Records excellent. Three canals divert water above 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.8	5.5	4.9	69	178	861	564	578	175	30	11	9
2	7.5	14	4.9	141	180	895	484	564	160	27	11	9
3	6.5	8.5	4.9	141	161	861	814	680	177	25	11	12
4	6	6.5	4.9	148	145	810	1,870	696	175	23	10	12
5	5.5	5.5	5	133	157	776	930	696	158	21	10	12
6	5	4.9	6	80	157	744	680	606	324	19	10	11
7	4.9	5	12	59	153	696	635	536	1,220	18	10	9
8	4.4	5.5	20	181	131	665	665	550	635	17	10	8
9	4.4	7.5	27	1,150	112	680	635	592	401	19	10	8
10	4.4	6.5	31	2,720	123	620	665	635	326	25	10	8
11	5.5	5.5	36	5,060	587	592	712	620	230	22	11	8
12	9.5	5	248	1,310	2,170	606	712	536	212	19	11	8
13	11	4.9	68	931	2,730	620	712	620	193	16	11	8.5
14	11	4.9	34	2,780	2,470	592	744	861	175	14	11	9
15	86	4.8	23	7,060	1,880	564	760	744	163	13	10	9
16	51	4.8	18	3,320	2,650	550	827	592	145	12	10	8.5
17	16	6.5	14	1,600	2,030	564	844	550	137	12	10	8.5
18	8.5	9	12	1,070	1,730	578	776	510	124	12	10	8.5
19	7	7.5	9.5	787	1,470	564	712	460	113	13	10	8
20	6.5	6	8.5	602	2,180	578	744	368	91	12	10	8
21	6	5	8.5	472	8,120	606	744	346	77	12	11	8
22	5	6.5	8	401	5,390	564	912	368	72	12	10	8
23	4.8	12	7.5	368	3,100	510	827	346	64	12	9.5	8
24	4.3	9	7.5	335	2,350	497	744	297	56	11	9.5	7.5
25	4.1	6.5	7.5	313	1,920	448	680	288	50	11	9.5	7.5
26	4.4	5.5	8	256	1,420	390	635	262	42	11	9	8
27	4.6	5	34	230	1,180	336	650	254	38	11	9.5	7
28	4.6	4.9	29	217	1,060	412	680	316	36	11	9.5	6.5
29	4.6	4.8	201	206	966	728	712	262	32	11	9.5	7
30	4.6	4.9	167	190	-	696	620	217	31	12	9.5	7
31	4.8	-	161	177	-	844	-	196	-	11	9.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	317.2	86	4.1	10.2	629
November	192.4	14	4.8	6.41	382
December	1,230.6	248	4.9	39.7	2,440
Calendar year 1935	121,199.1	4,580	4.1	332	240,400
January	32,507	7,060	59	1,049	64,480
February	46,900	8,120	112	1,617	93,020
March	19,447	895	336	627	38,570
April	22,689	1,870	484	756	45,000
May	15,146	861	196	489	30,040
June	5,832	1,220	31	194	11,570
July	494	30	11	15.9	980
August	313.0	11	9	10.1	621
September	256.5	12	6.5	8.55	509
Water year 1935-36	145,324.7	8,120	4.1	397	288,200

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 1936.

Extremes.- Maximum discharge during year, 1,320 second-feet Feb. 21 (gage height, 3.50 feet); no flow most of year.
1927-36: Maximum discharge, 1,840 second-feet Mar. 26, 1928 (gage height, 5.9 feet); no flow for many months each year.

Remarks.- Records good for low stages and fair for high stages. On Sept. 30, 1935, storage in Lake Wilenor above station was 3,580 acre-feet, and on Sept. 30, 1936, it was 2,780 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 1935-36 (gage height, in feet, and discharge, in second-feet)

0.1	0	0.7	77	1.3	270	1.9	520	2.5	800
.2	2	.8	102	1.4	310	2.0	565	2.6	850
.3	8	.9	130	1.5	350	2.1	610		
.4	19	1.0	160	1.6	390	2.2	655		
.5	35	1.1	195	1.7	430	2.3	700		
.6	55	1.2	230	1.8	475	2.4	750		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	13	0	57		0			
2				0	13	0	45		0			
3				0	13	.1	107		0			
4				0	13	11	362		0			
5				0	13	19	130		0			
6				0	13	21	75		0			
7				0	13	24	57		9			
8				0	13	21	47		.2			
9				0	13	19	19		0			
10				0	13	17	0		0			
11				44	42	16	0		0			
12				87	444	16	0		0			
13				87	602	15	0		0			
14				291	390	15	0		0			
15				700	314	15	0		0			
16				444	410	15	0		0			
17				199	342	15	0		0			
18				92	322	15	0		0			
19				50	314	15	0		0			
20				13	314	15	0		0			
21				13	809	17	0		0			
22				13	533	16	1.5		0			
23				13	358	15	0		0			
24				13	306	16	0		0			
25				13	306	17	0		0			
26				13	131	16	0		0			
27				13	.4	16	0		0			
28				13	.6	25	0		0			
29				14	.3	30	0		0			
30				13	-	47	0		0			
31				13	-	102	-		-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	6,424.1	533	0	17.6	12,730
January	2,151	700	0	69.4	4,270
February	6,068.3	809	.3	209	12,040
March	601.1	102	0	19.4	1,190
April	900.5	362	0	30.0	1,790
May	0	0	0	0	0
June	9.2	9	0	.31	18
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	9,730.1	809	0	26.6	19,310

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 1936.

Extremes.- Maximum daily discharge during year, 36 second-feet Aug. 6, 7, 19, 20, Sept. 23, 24; minimum, 0.1 second-foot various days in January, February, and April.
1927-36: Maximum daily discharge, 49 second-feet Oct. 25-27, 1928; no flow for several months each year except 1936.

Remarks.- Records good. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	23	6	0.6	0.1	0.6	0.1	1.1	3.6	16	27	30
2	27	18	6	.8	.1	.5	.1	1.6	3.8	16	28	30
3	23	11	6	.7	.1	.5	.2	3.2	7	16	30	28
4	23	11	6	.7	.1	.6	.6	6	8	16	31	25
5	23	11	6	.6	.1	.6	.2	17	8	16	34	21
6	23	11	6	.5	.1	.6	.1	9.5	18	14	36	20
7	23	11	6	.5	.1	.6	.1	6	35	14	36	20
8	23	11	6	.9	.1	.6	.1	10	23	14	35	27
9	23	8	6	1.4	.1	.5	11	16	15	15	35	28
10	16	6.5	6	2.3	.1	.4	9	15	12	17	35	29
11	12	6	4.9	3.2	.3	.4	2.5	13	11	17	35	31
12	11	5.5	4.3	.8	.7	.4	2.4	12	11	17	35	31
13	11	5.5	4.2	.7	1.2	.4	2.4	19	10	17	33	32
14	11	6	4.2	.8	.8	.3	1.6	24	9.5	18	33	32
15	11	6	4.2	.8	.5	.3	.8	21	9.5	19	33	32
16	11	6	4.2	.4	1.0	.3	.9	17	9.5	19	34	32
17	11	6	4.2	.3	.8	.2	1.0	14	12	21	34	32
18	11	6	4.2	.2	.7	.2	1.0	9.5	13	22	35	32
19	11	5.5	4.2	.2	.5	.2	1.1	8	13	22	36	32
20	11	5.5	4.1	.2	.8	.2	15	8	13	22	36	32
21	11	4.3	4.1	.1	1.6	.9	26	6.5	13	22	34	32
22	11	3.3	4.1	.1	.9	.3	10	6	14	22	31	35
23	11	3.2	4.1	.1	.5	.2	1.0	6	16	22	30	36
24	11	3.2	4.1	.1	.4	.2	17	3.0	16	22	30	36
25	11	3.2	4.1	.1	.3	.2	19	6	16	24	30	35
26	11	3.2	4.1	.1	12	.2	1.0	14	16	26	30	35
27	11	3.2	4.2	.1	23	.2	1.0	12	16	26	30	35
28	11	3.2	4.2	.1	23	.2	1.0	8	16	26	30	33
29	11	3.2	4.4	.1	16	.2	1.0	6.5	16	26	31	32
30	11	5	2.9	.1	-	.2	1.1	6	16	26	30	30
31	11	-	.7	.1	-	.2	-	5.5	-	26	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	467	31	11	15.1	926
November	214.5	23	3.2	7.15	425
December	143.7	6	.7	4.64	285
Calendar year 1935	3,605.1	33	0	9.88	7,140
January	17.7	3.2	.1	.57	35
February	86.0	23	.1	2.97	171
March	11.4	.9	.2	.37	23
April	128.3	26	.1	4.28	254
May	310.4	24	1.1	10.0	616
June	399.9	35	3.6	13.3	793
July	616	26	14	19.9	1,220
August	1,007	36	27	32.5	2,000
September	915	36	20	30.5	1,810
Water year 1935-36	4,316.9	36	.1	11.8	8,560

Middle Fork of Feather River near Clio, Calif.

Location.- Water-stage recorder, lat. 39°45'0", long. 120°36'0", in E½ sec. 23, T. 22 N., R. 12 E., 0.3 mile above Frazier Creek and 1.5 miles northwest of Clio. Altitude, about 4,350 feet.

Drainage area.- 699 square miles.

Records available.- October 1925 to September 1936.

Average discharge.- 11 years, 189 second-feet.

Extremes.- Maximum discharge during year, 5,200 second-feet Feb. 23 (gage height, 9.55 feet); minimum, 15 second-feet Oct. 1, Aug. 17 to Sept. 1.
1925-36: Maximum discharge, 11,000 second-feet Mar. 26, 1928 (gage height, 12.0 feet) from rating curve extended above 7,000 second-feet; minimum, 4.3 second-feet Sept. 5, 1934.

Remarks.- Records good except those for Aug. 22 to Sept. 30, which were computed on basis of records for nearby stations and are fair. Numerous small irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	24	36	35	106	922	553	396	80	31	18	15
2	18	26	35	61	119	1,040	553	410	78	28	19	18
3	18	26	35	62	105	1,180	605	382	97	26	20	20
4	18	24	36	100	104	1,130	588	372	94	25	20	22
5	18	24	36	89	99	990	520	338	101	24	22	40
6	18	24	37	90	92	880	472	292	185	22	21	35
7	18	25	38	104	96	820	456	258	304	21	20	30
8	18	26	39	126	92	762	504	240	238	22	18	30
9	18	29	41	267	94	762	520	234	182	24	19	25
10	18	28	43	465	97	745	520	236	162	25	20	25
11	21	25	43	823	302	728	588	245	153	24	21	20
12	24	25	69	553	536	710	675	245	148	24	24	20
13	21	24	57	762	520	745	710	245	151	22	22	20
14	34	24	49	840	622	745	745	251	171	21	21	20
15	43	24	44	1,080	900	728	762	243	172	20	21	20
16	29	25	40	1,080	1,310	710	820	207	158	20	16	20
17	24	30	35	945	1,180	728	820	172	144	20	15	20
18	24	29	31	728	922	745	762	155	131	20	15	20
19	24	27	28	622	762	728	728	144	113	20	15	20
20	23	25	29	440	675	710	728	132	98	20	15	20
21	25	25	28	335	1,560	728	745	124	82	20	15	20
22	22	28	25	273	3,000	675	745	121	69	20	15	20
23	22	30	25	223	4,620	605	710	126	60	20	15	20
24	22	29	24	191	2,480	588	675	141	60	20	15	20
25	22	28	24	176	1,080	553	622	153	57	18	15	20
26	22	30	25	163	900	488	570	151	69	20	15	20
27	22	45	31	155	945	472	536	143	56	20	15	20
28	23	39	30	138	880	488	504	129	42	20	15	20
29	24	38	67	127	900	640	488	108	36	20	15	20
30	24	37	43	100	-	570	440	105	35	20	15	20
31	24	-	38	87	-	570	-	91	-	17	15	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	695	43	16	22.4	1,380
November	843	45	24	28.1	1,670
December	1,161	69	24	37.5	2,300
Calendar year 1935	88,718	4,900	10	243	175,900
January	11,240	1,080	35	363	22,290
February	25,098	4,620	92	865	49,780
March	22,885	1,180	472	738	45,390
April	18,664	820	440	622	37,020
May	6,589	410	91	213	13,070
June	3,526	304	35	118	6,990
July	674	31	17	21.7	1,340
August	547	24	15	17.6	1,080
September	660	40	15	22.0	1,310
Water year 1935-36	92,582	4,620	15	253	183,600

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 1936.

Average discharge.- 25 years, 1,655 second-feet.

Extremes.- Maximum discharge during year, 38,200 second-feet Feb. 21 (gage height, 16.2 feet); minimum, 166 second-feet Oct. 1.
1911-36: 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 except those for Aug. 21 to Sept. 3, which were computed on basis of records for South Fork of Feather River at Enterprise. Reservoirs and diversions above station are comparatively small.

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

1.7	117	4.8	1,480	8.0	5,360
2.0	177	5.2	1,810	9	7,120
2.4	282	5.6	2,190	10	9,180
2.8	422	6.0	2,620	11	11,700
3.2	590	6.5	3,220	12	14,800
3.6	774	7.0	3,860	13	18,900
4.0	975	7.5	4,590	14	23,900
4.4	1,210				

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	166	238	264	521	1,160	4,740	3,220	3,680	1,440	698	295	220
2	182	311	264	657	1,210	4,740	3,040	3,740	1,380	680	285	260
3	198	288	261	726	1,150	5,040	3,480	4,160	1,410	630	279	280
4	195	258	264	948	1,060	4,890	4,740	4,300	1,440	616	276	264
5	191	249	267	948	1,030	4,590	3,680	4,300	1,380	594	279	264
6	186	249	282	726	1,000	4,160	3,220	3,740	1,690	568	282	279
7	182	261	334	621	975	4,020	3,100	3,350	4,440	550	273	249
8	177	273	345	774	948	3,880	3,280	3,220	3,100	533	264	236
9	177	270	324	2,240	920	3,880	3,480	3,280	2,340	542	261	225
10	177	261	301	6,220	920	3,610	3,680	3,480	1,990	546	261	218
11	191	258	314	11,700	1,880	3,610	4,020	3,610	1,860	538	267	210
12	324	249	735	5,040	6,600	3,610	4,440	3,610	1,760	517	264	205
13	276	252	546	3,610	7,720	3,680	4,740	3,610	1,640	496	273	205
14	276	247	414	7,730	9,180	3,680	5,200	3,880	1,520	479	261	208
15	446	244	359	18,800	7,520	3,540	5,360	3,610	1,440	458	252	208
16	508	255	321	13,600	8,740	3,540	5,840	3,160	1,380	442	247	205
17	334	288	298	6,920	7,320	3,540	6,200	2,920	1,300	422	238	202
18	276	324	286	4,890	6,020	3,610	6,020	2,740	1,270	414	230	198
19	252	288	276	3,680	5,520	3,610	5,680	2,620	1,210	403	228	193
20	247	273	273	3,040	6,740	3,610	5,520	2,290	1,120	395	228	191
21	238	264	262	2,460	18,600	3,740	5,680	2,090	1,060	392	225	188
22	236	292	264	2,140	21,600	3,740	6,560	2,040	1,000	384	220	184
23	225	362	261	1,900	14,800	3,420	6,380	2,040	975	373	218	182
24	222	328	261	1,720	11,400	3,280	5,840	2,090	948	359	216	177
25	225	298	261	1,600	8,320	2,980	5,200	2,140	895	348	214	177
26	222	279	282	1,520	6,380	2,740	4,740	2,090	846	338	212	177
27	222	267	392	1,410	5,680	2,560	4,440	1,990	822	328	210	170
28	222	267	362	1,380	5,040	2,920	4,440	2,190	798	324	208	177
29	222	276	694	1,300	4,890	4,440	4,440	1,940	750	317	206	177
30	225	267	774	1,240	-	3,880	4,020	1,680	721	314	204	179
31	230	-	726	1,180	-	3,880	-	1,560	-	304	202	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7,450	508	166	240	14,780
November	8,236	362	238	275	16,340
December	11,289	774	261	364	22,390
Calendar year 1935	692,192	21,400	164	1,896	1,373,000
January	111,241	18,800	521	3,588	220,600
February	174,343	21,600	920	6,012	345,800
March	117,360	5,040	2,560	3,786	232,800
April	139,680	6,560	3,040	4,656	277,100
May	91,150	4,300	1,560	2,940	180,800
June	43,925	4,440	721	1,464	87,120
July	14,302	698	304	461	28,370
August	7,578	295	202	244	15,030
September	6,308	280	170	210	12,510
Water year 1935-36	732,862	21,600	166	2,002	1,454,000

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 1936. October 1911 to September 1930, from staff gage at site half a mile downstream.

Average discharge.- 25 years, 278 second-feet.

Extremes.- Maximum discharge during year, 9,210 second-feet Feb. 21 (gage height, 15.3 feet); minimum, 1.5 second-feet Oct. 1.
1911-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	13	28	73	185	890	643	706	195	55	3.0	3.0
2	1.7	24	28	100	183	870	583	690	192	55	3.0	5.5
3	1.9	20	28	114	165	850	739	722	199	46	2.8	16
4	1.8	17	28	138	152	811	1,080	739	192	42	2.8	18
5	1.7	15	28	136	146	756	774	739	180	40	2.8	16
6	1.7	14	29	101	139	722	658	658	256	39	2.8	14
7	1.6	18	35	85	136	690	643	613	739	37	2.8	13
8	1.6	20	40	101	131	674	658	598	484	36	2.8	11
9	1.6	14	38	431	128	674	674	613	366	34	2.8	9.5
10	1.6	10	34	1,090	126	674	722	628	304	35	2.8	6
11	2.3	9.5	36	2,290	334	643	792	628	270	34	2.8	5.5
12	29	9	103	1,040	1,440	643	870	613	240	32	2.8	5
13	21	21	69	690	1,770	643	930	598	213	30	2.8	5.5
14	21	26	50	1,690	2,350	628	972	643	193	30	2.8	5.5
15	48	26	43	4,330	1,710	613	1,020	568	176	26	2.8	5
16	44	26	39	2,940	2,070	598	1,080	512	157	25	2.8	5
17	20	34	37	1,380	1,590	598	1,160	484	143	24	2.8	4.8
18	14	39	36	878	1,200	613	1,110	443	135	22	2.8	4.2
19	12	32	34	636	1,100	598	1,040	391	122	22	2.8	4.0
20	11	30	32	501	1,230	613	1,020	354	110	22	2.8	3.2
21	10	28	32	419	4,470	628	1,020	306	102	22	2.8	3.0
22	10	36	32	370	4,920	628	1,200	291	96	16	2.8	3.0
23	10	41	31	323	3,000	583	1,180	288	88	12	2.8	3.0
24	10	38	30	290	2,280	583	1,060	291	81	10	2.5	2.8
25	10	34	30	270	1,770	526	930	291	77	9.5	2.5	2.8
26	10	32	32	246	1,430	484	850	276	69	9.5	2.5	2.5
27	10	31	52	227	1,230	470	811	256	66	6.5	2.3	2.8
28	10	30	45	216	1,080	540	792	318	62	4.8	2.3	2.5
29	10	30	115	200	950	995	850	295	59	4.2	2.2	2.3
30	10	30	110	186	-	830	774	242	57	3.5	2.2	2.3
31	10	-	107	180	-	756	-	211	-	3.2	2.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	349.0	48	1.5	11.3	692
November	747.5	41	9	24.9	1,480
December	1,411	115	28	45.5	2,800
Calendar year 1935	110,053.5	4,340	1.0	302	218,300
January	21,671	4,330	73	699	42,980
February	37,417	4,920	126	1,290	74,220
March	20,824	995	470	672	41,300
April	26,635	1,200	583	888	52,830
May	15,005	739	211	484	29,760
June	5,625	739	57	188	11,160
July	787.2	55	3.2	25.4	1,560
August	83.5	3.0	2.2	2.69	166
September	186.7	18	2.3	6.22	370
Water year 1935-36	130,741.9	4,920	1.5	357	259,300

Lost Creek near Clipper Mills, Calif.

Location.- Water-stage recorder, lat. 39°34', long. 121°9', 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 1936.

Extremes.- Maximum discharge during year, 2,140 second-feet Feb. 21 (gage height, 5.8 feet), computed from peak flow over Lost Creek Dam; minimum, 0.3 second-foot July 31 to Aug. 2, leakage when there is no release.

1927-36: Maximum discharge, 2,900 second-feet Mar. 26, 1928 (gage height, 6.10 feet), computed from peak flow over Lost Creek Dam; minimum (regulated), 0.1 second-foot at times 1931-34.

Remarks.- Records good except those for Oct. 1 to Jan. 9, Mar. 16-18, May 4-13, and Aug. 6 to Sept. 30, which were computed on basis of two discharge measurements and record of release from Forbestown Ditch and are fair. Storage in Lost Creek Reservoir above station was 2,580 acre-feet on Sept. 30, 1935, and 2,630 acre-feet on Sept. 30, 1936. See record for Forbestown Ditch, which diverts a quarter of a mile above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5	5	1	1	77	246	160	138	29	7	0.3	7
2	5	5	1	1	77	246	149	132	27	6.5	.3	9.5
3	5	5	1	1	70	252	181	127	38	4.8	.4	9.5
4	5	5	1	1	66	249	183	122	25	4.1	.8	9.5
5	5	5	1	1	62	236	154	118	25	4.1	1.5	9.5
6	5	5	1	1	58	226	142	114	53	3.7	1.5	9.5
7	5	5	1	1	56	217	144	110	158	3.5	1.5	9.5
8	5	5	1	1	53	214	163	106	76	2.8	1.5	9.5
9	5	1	1	1	52	211	181	102	53	2.6	1.5	9.5
10	5	1	1	3.9	52	203	208	98	43	2.6	1.5	9.5
11	5	1	1	104	142	194	255	94	38	2.6	1.4	9.5
12	5	1	1	236	442	186	272	90	34	2.4	1.4	9.5
13	5	1	1	163	414	186	279	87	30	2.1	1.4	9.5
14	5	1	1	454	595	178	279	84	28	1.7	1.4	9.5
15	5	1	1	938	454	170	279	74	25	1.6	1.4	9.5
16	5	1	1	610	495	170	283	66	22	1.3	1.3	9.5
17	5	1	1	327	402	168	272	62	21	1.1	1.3	9.5
18	5	1	1	226	331	165	252	29	19	.9	1.3	9.5
19	5	1	1	178	317	165	236	9	17	1.0	1.3	9.5
20	5	1	1	149	414	160	220	8	16	.9	1.3	9.5
21	5	1	1	129	1,110	163	220	2.3	15	.9	1.2	9.5
22	5	1	1	116	1,000	160	252	3.9	14	.8	1.2	9.5
23	5	1	1	107	654	147	233	6	12	.7	1.2	9.5
24	5	1	1	103	495	147	206	6.5	11	.6	1.2	9.5
25	5	1	1	98	398	129	183	7.5	10	.5	1.2	9.5
26	5	1	1	93	338	119	168	4.1	9.5	.5	1.2	9.5
27	5	1	1	89	306	114	156	3.7	9.5	.4	1.2	9.5
28	5	1	1	87	283	160	154	38	9	.4	1.2	9.5
29	5	1	1	76	252	293	175	39	9	.4	1.2	9.5
30	5	1	1	73	-	236	160	34	8	.4	1.2	9.5
31	5	-	1	71	-	194	-	30	-	.3	1.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	155	5	5	5.0	307
November	62	5	1	2.07	123
December	31	1	1	1.0	61
Calendar year 1935	26,712.5	947	.2	73.2	52,980
January	4,439.9	938	1	143	8,810
February	9,465	1,110	52	326	18,770
March	5,904	293	114	190	11,710
April	6,199	283	142	207	12,300
May	1,945.0	138	2.3	62.7	3,860
June	884.0	158	8	29.5	1,750
July	63.2	7	.3	2.04	125
August	37.5	1.5	.3	1.21	74
September	282.5	9.5	7	9.42	560
Water year 1935-36	29,468.1	1,110	.3	80.5	58,450

Forbestown Ditch near Clipper Mills, Calif.

Location.- Staff gage and Parshall flume, lat. 39°34', long. 121°9', in SW¼ sec. 24, T. 20 N., R. 7 E., at diversion-tunnel outlet 1,100 feet below Lost Creek Dam and 2 miles north of Clipper Mills.

Records available.- October 1927 to September 1936.

Extremes.- Maximum daily discharge during year, 42 second-feet Aug. 31 to Sept. 3, Sept. 7-9, 14, 15; minimum, 1.2 second-feet Jan. 13-28.
1927-36: Maximum daily discharge, that of August and September 1936; no flow at times each year.

Remarks.- Records good. Staff gage read to hundredths once daily. Ditch 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	38	29	21	19	8.5	2.3	10	13	35	35	39	42
2	2e	28	21	19	8.5	2.3	10	13	35	35	38	42
3	35	28	21	19	8.5	2.3	10	13	35	35	38	42
4	35	28	21	19	8.5	2.3	10	15	35	35	39	41
5	34	28	21	6.5	8.5	2.3	10	15	35	35	38	41
6	34	17	21	6.5	12	2.3	10	15	35	35	38	41
7	34	17	21	17	12	2.3	10	15	18	35	41	42
8	33	17	21	17	12	2.3	10	15	18	35	41	42
9	36	21	21	17	12	2.3	10	20	28	35	41	42
10	36	21	21	5	12	1.8	10	20	28	35	40	41
11	36	21	21	5	12	1.8	10	20	31	35	40	41
12	28	21	21	5	2.3	1.8	10	20	31	35	40	41
13	28	21	21	1.2	2.3	1.8	10	20	31	35	40	41
14	28	21	21	1.2	2.3	1.8	10	20	31	35	40	42
15	24	21	21	1.2	2.3	1.8	10	20	31	35	40	42
16	24	21	21	1.2	2.3	1.8	10	20	31	35	40	41
17	23	21	21	1.2	2.3	1.8	10	27	31	35	40	41
18	23	21	21	1.2	2.3	1.8	10	27	31	35	40	41
19	23	21	21	1.2	2.3	1.8	10	27	31	35	40	40
20	23	21	21	1.2	2.3	10	10	27	31	37	40	40
21	23	21	21	1.2	2.3	10	10	27	33	37	41	40
22	23	21	21	1.2	2.3	10	10	27	33	37	41	40
23	29	21	21	1.2	2.3	10	10	33	33	38	41	40
24	29	21	21	1.2	2.3	10	10	33	33	38	41	39
25	29	21	21	1.2	2.3	10	10	33	33	38	41	39
26	29	21	21	1.2	2.3	10	10	33	33	38	41	38
27	29	21	21	1.2	2.3	10	13	33	33	38	41	38
28	29	21	21	1.2	2.3	10	13	33	33	38	41	39
29	29	21	21	4.8	2.3	10	13	34	33	38	41	39
30	29	21	21	4.8	-	10	13	34	35	38	41	39
31	29	-	21	4.9	-	10	-	35	-	39	42	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	910	38	23	29.4	1,800
November	654	29	17	21.8	1,300
December	651	21	21	21.0	1,290
Calendar year 1935	7,346.4	39	.7	20.1	14,570
January	188.6	19	1.2	6.08	374
February	155.9	12	2.3	5.38	309
March	158.7	10	1.8	5.12	315
April	312	13	10	10.4	619
May	737	35	13	23.8	1,460
June	944	35	18	31.5	1,870
July	1,119	39	35	36.1	2,220
August	1,245	42	38	40.2	2,470
September	1,217	42	38	40.6	2,410
Water year 1935-36	8,292.2	42	1.2	22.7	16,440

Palermo Canal at Enterprise, Calif.

Location.- Water-stage recorder and Parshall flume, lat. 39°32', long. 121°21', in SW¼ sec. 6, T. 19 N., R. 6 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.

Records available.- October 1911 to September 1936.

Average discharge.- 25 years, 19.0 second-feet.

Extremes.- Maximum daily discharge during year, 35 second-feet June 28, 29, Sept. 2; no flow Nov. 14 to Jan. 17, Feb. 22 to May 26.
1911-36: Maximum discharge recorded, 43 second-feet July 25, 1927; no flow for periods each year.

Remarks.- Records excellent except those for May 27 to June 2, which were computed on basis of records for South Fork of Feather River at Enterprise. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	18		0	11			0	15	30	34	33
2	30	19		0	11			0	15	27	33	35
3	31	18		0	10			0	16	32	31	34
4	29	17		0	10			0	15	34	31	34
5	28	17		0	10			0	15	34	31	33
6	28	17		0	10			0	16	33	31	32
7	27	17		0	9.5			0	20	33	32	32
8	26	17		0	9.5			0	19	32	32	31
9	26	16		0	9			0	21	34	32	31
10	26	16		0	9			0	26	35	31	33
11	28	15		0	10			0	25	34	31	34
12	28	15		0	11			0	25	34	31	33
13	24	5		0	12			0	26	33	31	34
14	23	0		0	12			0	25	32	31	34
15	26	0		0	11			0	26	31	30	34
16	24	0		0	12			0	29	31	29	34
17	22	0		0	11			0	30	30	29	33
18	20	0		2.4	11			0	31	29	30	33
19	18	0		9	11			0	31	28	30	33
20	18	0		9	11			0	31	27	30	33
21	17	0		8.5	8			0	31	27	30	33
22	17	0		8.5	0			0	31	30	30	34
23	17	0		8.5	0			0	33	33	30	34
24	17	0		9	0			0	33	33	30	33
25	17	0		9.5	0			0	33	32	29	33
26	17	0		10	0			0	33	31	29	32
27	17	0		10	0			5	32	33	29	31
28	17	0		10	0			15	32	35	28	31
29	17	0		11	0			15	31	35	28	32
30	17	0		11	-			15	31	34	28	33
31	17	-		11	-			15	-	34	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	695	31	17	22.4	1,380
November	207	19	0	6.90	411
December	0	0	0	0	0
Calendar year 1935	6,423.4	34	0	17.6	12,740
January	127.4	11	0	4.11	253
February	219.0	12	0	7.55	434
March	0	0	0	0	0
April	0	0	0	0	0
May	65	15	0	2.1	129
June	777	33	15	25.9	1,540
July	990	35	27	31.9	1,960
August	939	34	28	30.3	1,860
September	989	35	31	33.0	1,960
Water year 1935-36	5,008.4	35	0	13.7	9,930

Middle Fork of Yuba River at Milton, Calif.

Location.- Water-stage recorder, lat. 39°31'22", long. 120°35'1", in SW¼ sec. 12, T. 19 N., R. 12 E., at diversion dam of Nevada Irrigation District at old town site of Milton, 8 miles above South Fork of Middle Fork of Yuba River. Altitude, about 5,700 feet.

Drainage area.- 41 square miles.

Records available.- October 1928 to September 1934, October 1935 to September 1936. December 1925 to September 1928 at site 0.2 mile below diversion dam.

Extremes.- Maximum discharge during year, 1,210 second-feet June 7 (gage height, 1.44 feet); no flow over dam for long periods.
1928-36: Maximum discharge, 4,070 second-feet Mar. 25, 1928 (gage height, 9.45 feet, former site and datum); maximum for 1935 not known; practically all low-water flow diverted after May 23, 1928.

Remarks.- Records good. Discharge Apr. 17-30 computed on basis of record of range of stage and records for Milton-Bowman Tunnel at outlet and North Fork of Yuba River near Sierra City. See record for Milton-Bowman Tunnel at outlet, which diverts water above station to Bowman Lake.

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

0	0
.2	48
.4	147
.6	275
.8	440
1.0	650
1.2	880
1.4	1,150

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						0	0	94	261			
2						0	0	520	255			
3						0	0	749	261			
4						0	0	868	268			
5						0	0	683	275			
6						0	0	500	630			
7						0	0	470	958			
8						0	0	530	540			
9						0	0	650	440			
10						0	0	760	422			
11						0	0	832	450			
12						0	0	618	440			
13						16	0	558	386			
14						16	9.5	832	335			
15						19	72	760	298			
16						30	159	694	282			
17						53	200	694	282			
18						48	200	694	268			
19						33	180	584	234			
20						0	170	470	214			
21						0	180	450	207			
22						0	200	490	201			
23						0	200	530	106			
24						0	170	639	0			
25						0	100	683	0			
26						0	50	595	0			
27						0	10	540	0			
28						0	0	490	0			
29						0	0	350	0			
30						0	0	298	0			
31						0	-	275	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	0	0	0	0	0
March	215	53	0	6.94	426
April	1,900.5	200	0	63.4	3,770
May	17,900	868	94	577	35,500
June	8,013	958	0	267	15,890
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	28,028.5	958	0	76.6	55,590

Middle Fork of Yuba River near North San Juan, Calif.

Location.- Water-stage recorder, lat. 39°23', long. 121°6', in NE¼ sec. 32, T. 18 N., R. 8 E., 1 mile below Oregón Creek and 1 mile north of North San Juan. Zero of gage is 1,400.62 feet above mean sea level (general adjustment of 1929).

Drainage area.- 207 square miles.

Records available.- October 1930 to September 1936. July to October 1900 and October 1910 to October 1930, from staff gage at site 0.4 mile upstream.

Average discharge.- 25 years (1911-36), 417 second-feet. Since 1928 flow has been reduced by Milton-Bowman Tunnel diversion.

Extremes.- Maximum discharge during year, 9,220 second-feet Feb. 21 (gage height, 9.18 feet); minimum, 24 second-feet Oct. 1.
1910-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	48	47	135	259	995	694	637	519	113	50	34
2	34	71	46	193	276	1,030	607	1,030	493	108	49	34
3	34	62	46	278	238	1,030	752	1,470	498	103	48	42
4	32	53	46	278	224	960	1,230	1,700	535	100	47	46
5	32	51	46	281	215	897	939	1,640	509	96	47	46
6	31	52	49	188	204	834	766	1,190	772	93	46	45
7	30	54	57	149	194	785	759	1,070	2,000	92	45	41
8	30	54	60	173	186	746	848	1,070	1,190	90	44	38
9	29	53	60	870	178	759	883	1,190	918	90	44	37
10	29	52	54	2,160	173	733	946	1,370	813	92	44	36
11	38	50	54	3,410	641	688	1,030	1,520	785	90	45	35
12	76	49	153	1,100	2,590	681	1,110	1,370	772	86	46	35
13	46	49	110	755	2,940	694	1,110	1,230	681	82	42	35
14	60	48	78	2,520	4,620	681	1,110	1,520	613	80	41	36
15	135	47	69	5,180	2,470	643	1,150	1,470	540	76	40	36
16	131	48	62	3,890	2,700	631	1,370	1,280	498	75	39	35
17	70	61	60	1,660	2,000	649	1,470	1,230	473	71	38	36
18	57	71	57	1,070	1,460	649	1,470	1,230	473	69	38	35
19	52	59	56	794	1,270	643	1,320	1,150	438	67	38	34
20	50	54	54	625	1,770	607	1,280	939	401	65	37	33
21	48	52	53	513	4,200	607	1,280	855	379	64	37	32
22	46	56	52	425	5,440	613	1,420	869	358	62	37	32
23	45	64	51	372	3,580	551	1,420	918	354	61	37	32
24	45	59	50	338	2,470	546	1,280	995	203	60	37	32
25	45	56	50	315	1,820	473	1,070	1,110	157	57	36	31
26	44	53	50	289	1,420	424	988	1,070	148	56	36	30
27	44	50	80	269	1,190	406	932	939	140	56	35	30
28	44	49	77	256	1,110	483	876	981	132	55	35	31
29	44	48	198	244	1,030	981	869	752	126	54	35	32
30	45	48	216	229	-	869	720	631	119	54	36	33
31	45	-	203	218	-	925	-	556	-	53	35	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,518	135	27	49.0	3,010
November	1,621	71	47	54.0	3,220
December	2,344	216	46	75.6	4,650
Calendar year 1935	149,687	5,950	27	410	296,900
January	29,177	5,180	135	941	57,870
February	46,868	5,440	173	1,616	92,960
March	22,213	1,030	406	717	44,060
April	31,699	1,470	607	1,057	62,870
May	34,982	1,700	556	1,128	69,390
June	16,037	2,000	119	535	31,810
July	2,370	113	53	76.5	4,700
August	1,264	50	35	40.8	2,510
September	1,064	46	30	35.5	2,110
Water year 1935-36	191,157	5,440	27	522	379,200

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.

Records available.- June 1903 to September 1936.

Average discharge.- 33 years, 2,927 second-feet.

Extremes.- Maximum discharge during year, 44,500 second-feet Feb. 22 (gage height, 20.0 feet); minimum, 164 second-feet Aug. 12.
1903-36: Maximum discharge, 120,000 second-feet Mar. 26, 1928 (gage height, 26.0 feet); minimum, 71 second-feet (regulated) July 30, 1924.

Remarks.- Records excellent except those for Oct. 1-11, June 29, July 1-6, which were computed on basis of two discharge measurements, partial gage-height record, and records for Middle Fork of Yuba River. 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, and Fordyce Lake, 42,000 acre-feet.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	250	372	408	938	1,460	5,570	4,370	5,450	2,950	1,000	358	280
2	300	498	402	1,240	1,580	5,570	3,920	5,960	2,550	950	346	295
3	300	510	408	1,420	1,500	5,700	4,730	7,860	2,300	900	325	300
4	300	420	414	1,320	1,380	5,450	8,420	8,900	2,450	850	320	320
5	270	408	414	1,320	1,320	5,090	5,830	9,060	2,650	800	320	310
6	260	408	421	1,080	1,280	4,850	4,730	7,160	3,050	750	320	300
7	250	402	440	978	1,240	4,730	4,490	6,220	12,300	710	315	295
8	250	420	455	1,140	1,210	4,490	4,850	5,960	8,740	689	315	295
9	260	426	455	3,620	1,180	4,610	4,970	6,740	5,450	661	315	290
10	250	414	445	9,980	1,140	4,490	5,210	7,440	4,370	661	315	285
11	290	408	445	19,300	2,630	4,370	5,570	8,000	4,490	661	315	285
12	384	402	634	7,350	12,700	4,250	6,090	8,140	4,730	654	305	290
13	372	408	607	4,540	16,500	4,250	6,220	8,420	3,810	626	374	290
14	372	420	510	12,200	19,300	4,140	6,610	9,560	3,260	584	336	290
15	612	426	475	22,000	13,400	4,030	7,580	9,060	2,950	570	305	300
16	588	426	460	19,100	14,900	3,920	6,420	7,440	2,650	570	300	315
17	462	450	450	8,720	10,900	4,030	9,060	7,160	2,750	538	295	300
18	408	504	440	5,180	8,360	4,030	8,900	6,880	2,950	505	295	305
19	396	462	430	3,860	7,460	4,030	8,420	6,740	2,750	475	295	285
20	384	444	430	3,040	8,720	4,030	8,140	5,210	2,350	457	290	266
21	360	432	430	2,570	18,500	4,140	8,280	4,490	2,650	457	290	271
22	348	444	426	2,300	29,500	4,140	8,900	4,490	2,250	421	290	276
23	348	456	430	2,100	18,000	3,920	9,220	4,610	2,100	427	276	280
24	348	456	430	1,980	13,600	3,810	8,740	5,090	1,950	457	285	280
25	342	444	430	1,860	10,900	3,480	7,580	5,830	1,850	439	285	280
26	348	432	435	1,740	8,000	3,150	7,300	6,090	1,670	403	280	280
27	348	420	490	1,660	6,880	2,950	7,160	5,330	1,490	391	280	280
28	342	414	515	1,580	6,220	3,050	6,740	5,570	1,220	380	280	285
29	348	414	725	1,500	5,830	5,450	6,740	4,730	1,150	374	280	290
30	348	408	866	1,420	-	5,450	6,220	3,810	1,090	368	280	290
31	354	-	971	1,380	-	5,960	-	3,370	-	363	285	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,792	612	250	348	21,410
November	12,948	510	372	432	25,680
December	15,311	971	402	494	30,370
Calendar year 1935	924,713	28,800	250	2,533	1,834,000
January	148,416	22,000	938	4,788	294,400
February	245,590	29,500	1,140	8,469	487,100
March	137,130	5,960	2,950	4,424	272,000
April	203,410	9,220	3,920	6,780	403,500
May	200,770	9,560	3,370	6,476	398,200
June	96,920	12,300	1,090	3,231	192,200
July	18,091	1,000	363	584	35,880
August	9,470	374	276	305	18,780
September	8,708	320	266	290	17,270
Water year 1935-36	1,107,556	29,500	250	3,026	2,197,000

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 1936.

Extremes.- Maximum daily discharge during year, 441 second-feet Apr. 15; minimum, 2.0 second-feet Oct. 1.
1928-36: Maximum daily discharge, 452 second-feet May 10-12 and 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0	2.9	6	6.5	29	78	83	264	9	52	8	5
2	8.5	2.9	6	7.5	28	82	83	19	9	79	8	5
3	14	2.9	6	9	27	86	84	19	9	77	7.5	5
4	7	2.9	6	12	26	88	79	19	9.5	74	7.5	5
5	5.5	2.9	5.5	14	26	106	75	19	9.5	72	7.5	4.7
6	4.8	3.3	5.5	12	24	110	74	19	10	71	7.5	4.4
7	5	3.5	6	10	24	101	86	18	6.5	68	7	4.1
8	4.2	3.7	6	10	24	101	106	18	5.5	63	6	4.1
9	4.2	3.8	6	12	23	109	121	18	5	45	6	4.1
10	4.2	4.0	6	18	23	114	148	18	5	41	6.5	4.1
11	4.2	3.8	6	60	32	115	197	17	4.7	21	6.5	4.1
12	3.8	4.0	7.5	64	50	122	257	244	4.7	5.5	6.5	3.8
13	3.7	4.5	6.5	56	48	131	330	363	4.7	5	6.5	3.8
14	3.5	5.5	6.5	59	49	131	400	179	4.7	4.7	6	3.8
15	3.1	5.5	6	78	48	131	441	12	4.7	4.4	21	3.8
16	2.9	5.5	5.5	76	43	133	435	12	4.7	4.1	7.5	3.8
17	2.8	6.5	5.5	70	40	135	429	11	4.7	5.5	7	3.8
18	2.8	6.5	5.5	66	40	133	417	11	4.7	11	6.5	13
19	2.8	6.5	5	60	37	201	420	11	4.7	14	6	3.8
20	2.8	6.5	5	51	35	221	417	11	4.4	15	6	3.8
21	2.8	6	5	46	60	203	405	11	4.4	15	5.5	3.5
22	2.6	6.5	5	41	101	209	420	11	4.4	13	5.5	3.5
23	2.6	6.5	5	38	98	186	414	11	96	12	5.5	3.5
24	2.9	6.5	4.8	35	94	155	417	10	190	11	5.5	3.5
25	2.9	6.5	4.8	32	92	131	420	10	188	11	5.5	3.5
26	2.9	6.5	5.5	32	91	109	429	10	179	10	5.5	3.5
27	2.9	6.5	6	31	89	98	426	9.5	139	10	5	3.5
28	3.1	6	6	30	88	98	423	9.5	88	9.5	5	3.5
29	3.1	6	6.5	35	82	100	411	9.5	87	9	5	3.5
30	3.1	6	7.5	37	-	95	372	9.5	41	9	5	3.5
31	2.9	-	7.5	30	-	88	-	9.5	-	8	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	123.6	14	2.0	3.99	245
November	150.6	6.5	2.9	5.02	299
December	181.6	7.5	4.8	5.86	360
Calendar year 1935	27,811.5	398	2.0	76.2	55,160
January	1,138.0	78	6.5	36.7	2,260
February	1,471	101	23	50.7	2,920
March	3,900	221	78	126	7,740
April	8,819	441	74	294	17,490
May	1,412.5	363	9.5	45.6	2,800
June	1,141.5	190	4.4	38.0	2,260
July	849.7	79	4.1	27.4	1,690
August	209.0	21	5	6.74	415
September	128.0	13	3.5	4.27	254
Water year 1935-36	19,524.5	441	2.0	53.3	38,730

Oregon Creek near North San Juan, Calif.

Location.- Water-stage recorder, lat. 39°24', long. 121°5', 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 1936. October 1910 to September 1933 from staff gage at site 0.7 mile downstream.

Average discharge.- 25 years (1911-36), 70.6 second-feet.

Extremes.- Maximum discharge during year, 2,110 second-feet Jan. 15 (gage height, 8.40); minimum, 1.6 second-feet Oct. 1 (gage height, 1.51 feet).
1910-36: Maximum discharge, about 5,200 second-feet Mar. 25, 1928 (gage height, 9.5 feet, former site and datum); 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 1935-36 (gage height, in feet, and discharge, in second-feet)

1.4	0.5	3.0	66	4.6	27e
1.6	3.1	3.2	83	4.8	322
1.8	8.5	3.4	102	5.0	370
2.0	15.5	3.6	124	5.5	522
2.2	23.5	3.8	148	6.0	725
2.4	32.5	4.0	175	6.5	960
2.6	42.0	4.2	204	7.0	1,210
2.e	53	4.4	238	7.5	1,510

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	5.5	5	29	57	236	174	90	27	12	4.1	2.2
2	3.1	10	5.5	57	60	238	152	83	24	12	4.1	2.2
3	3.3	7.5	5.5	64	53	236	192	83	26	11	3.8	3.8
4	3.1	6.5	5	83	48	220	300	83	30	11	3.1	5
5	3.1	6	5	64	46	200	222	81	28	10	2.9	4.1
6	3.1	6.5	6	42	44	185	185	72	43	10	2.9	3.8
7	2.9	6.5	8	32	42	172	185	66	81	10	2.9	3.6
8	2.2	6	8.5	43	40	160	204	61	57	10	2.9	3.3
9	2.2	6	8	323	39	154	212	58	48	11	2.9	2.9
10	2.2	6	6.5	706	38	148	225	57	44	10	2.9	2.8
11	6	5.5	7.5	875	145	140	236	54	40	10	2.9	2.8
12	15	5.5	40	311	672	135	234	52	35	9.5	2.8	2.8
13	6.5	5.5	22	233	935	130	224	49	33	9	2.8	2.6
14	10	5.5	14	915	1,350	125	209	51	32	9	2.8	2.8
15	24	5.5	11	1,420	770	117	195	48	30	8.5	2.9	2.8
16	22	5.5	9	1,000	792	111	18e	44	28	7.5	2.8	2.8
17	10	9	9.5	475	620	110	183	40	26	7	2.8	3.8
18	7	9.5	8	289	439	106	172	37	25	7	2.8	3.8
19	5.5	8	7.5	207	396	101	158	36	24	6.5	2.8	3.3
20	5.5	7.5	8	162	680	98	148	35	22	5.5	2.6	2.2
21	5	6.5	7.5	135	1,140	99	141	32	21	5.5	2.6	2.2
22	4.5	7.5	7.5	113	1,240	97	144	32	20	5.5	2.6	2.4
23	4.5	8	7	97	910	92	138	30	19	5.5	2.6	2.4
24	4.5	7.5	7	86	640	94	129	29	17	5	2.8	2.2
25	4.5	6.5	7.5	78	439	79	116	28	17	5	2.8	2.2
26	4.5	6	7	70	346	73	104	27	17	4.8	2.6	2.1
27	4.3	6	16	63	289	70	95	27	16	4.8	2.6	1.9
28	4.5	6	14	59	258	129	95	40	15	4.8	2.9	2.2
29	4.3	5.5	56	55	240	289	108	34	14	4.8	2.9	2.4
30	4.3	5.5	57	51	-	238	106	32	13	4.5	2.9	2.6
31	4.3	-	48	48	-	229	-	29	-	4.3	2.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	187.8	24	1.9	6.06	372
November	198.5	10	5.5	6.62	394
December	434.0	57	5	14.0	861
Calendar year 1935	27,387.3	1,500	1.6	75.0	54,320
January	8,185	1,420	29	264	16,230
February	12,768	1,350	38	440	25,320
March	4,611	289	70	149	9,150
April	5,174	300	95	172	10,260
May	1,520	90	27	49.0	3,010
June	872	81	13	29.1	1,730
July	241.0	12	4.3	7.77	478
August	90.6	4.1	2.6	2.92	180
September	86.0	5	1.9	2.87	171
Water year 1935-36	34,367.9	1,420	1.9	93.9	68,160

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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., 1½ miles west of Sierra City and 2½ miles below South Fork of North Fork of Yuba River. Altitude, about 4,100 feet.

Drainage area.- 91.3 square miles.

Records available.- 1911-13 (fragmentary), December 1923 to September 1936.

Average discharge.- 12 years (1924-36), 198 second-feet.

Extremes.- Maximum discharge during year, 1,620 second-feet May 13 (gage height, 4.67 feet); minimum, 41 second-feet Oct. 9-10.
1923-36: 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. Small diversions for mining above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	55	53	59	112	224	236	634	516	233	75	50
2	47	58	53	73	109	245	224	836	496	221	72	53
3	46	56	53	78	104	264	224	1,120	501	207	67	58
4	46	56	53	92	100	270	215	1,220	506	193	68	63
5	46	57	53	80	99	270	198	1,050	506	181	67	64
6	44	58	56	73	97	270	198	828	886	174	66	57
7	44	61	56	68	96	270	227	788	1,240	167	65	54
8	44	61	57	71	93	280	277	836	844	161	64	52
9	42	61	54	96	92	304	307	960	724	155	61	51
10	42	59	56	231	92	304	365	1,130	696	155	65	50
11	50	57	58	585	176	304	462	1,220	724	149	66	50
12	59	57	66	264	233	325	558	1,240	703	142	66	49
13	47	56	60	190	212	346	668	1,370	661	131	63	49
14	64	55	59	328	239	343	745	1,460	598	124	61	50
15	72	56	56	696	218	336	852	1,190	558	116	59	50
16	63	57	56	453	210	339	1,020	1,110	526	112	57	50
17	60	63	56	287	183	365	1,060	1,080	521	107	57	49
18	59	59	56	227	167	365	1,100	1,070	511	102	57	48
19	61	57	55	188	161	373	1,040	960	471	97	56	48
20	62	57	54	167	167	392	1,040	796	444	97	56	46
21	59	57	54	150	629	422	1,100	766	426	95	57	47
22	55	64	54	138	923	413	1,190	780	422	94	57	45
23	51	63	54	132	526	361	1,170	820	417	91	55	44
24	52	59	54	126	388	332	1,060	932	401	87	55	44
25	54	57	53	123	328	294	950	1,030	373	85	55	44
26	55	55	53	118	280	274	923	980	339	83	54	44
27	55	55	59	116	251	261	860	932	311	83	53	42
28	55	53	58	113	233	274	836	860	283	80	52	44
29	57	53	73	108	221	304	710	682	264	78	51	44
30	56	53	67	108	-	277	628	592	248	78	49	44
31	55	-	62	107	-	258	-	548	-	76	50	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,647	72	42	53.1	3,270
November	1,725	64	53	57.5	3,420
December	1,759	73	53	56.7	3,490
Calendar year 1935	87,910	1,620	42	241	174,400
January	5,645	696	59	182	11,200
February	6,739	923	92	232	13,370
March	9,659	422	224	312	19,160
April	20,443	1,190	198	681	40,550
May	29,820	1,460	548	962	59,150
June	16,116	1,240	248	537	31,970
July	3,954	233	76	128	7,840
August	1,856	75	49	59.9	3,680
September	1,483	64	42	49.4	2,940
Water year 1935-36	100,648	1,460	42	276	200,000

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., 3⅛ 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 1936.

Extremes.- Maximum discharge during year, 9,080 second-feet Feb. 21 (gage height, 12.2 feet); minimum, 120 second-feet Oct. 10.
1930-36: Maximum discharge, that of Feb. 21, 1936; minimum, 69 second-feet Aug. 26, 1931.

Remarks.- Records excellent. Discharge interpolated July 19. Several small irrigation and mining diversions above station.

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

1.5	116	3.4	394	6.6	2,050
1.7	136	3.8	504	7.0	2,410
2.0	168	4.2	640	7.5	2,900
2.2	192	4.6	800	8.0	3,440
2.4	218	5.0	980	8.5	4,000
2.6	246	5.4	1,200	9.0	4,600
2.8	276	5.8	1,450	9.5	5,230
3.0	310	6.2	1,730		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	125	149	143	204	432	1,170	1,000	1,660	1,110	520	218	162
2	135	168	142	271	418	1,260	958	1,970	1,080	504	218	168
3	135	153	142	301	382	1,320	1,060	2,500	1,080	474	211	186
4	133	151	142	419	370	1,290	1,200	2,800	1,110	446	211	192
5	132	152	141	348	359	1,230	1,030	2,600	1,080	432	204	204
6	129	155	148	268	348	1,170	958	2,050	1,870	418	204	180
7	127	163	151	232	338	1,140	980	1,890	3,000	406	198	174
8	125	164	163	253	328	1,140	1,140	1,970	1,930	394	198	167
9	124	161	150	800	319	1,230	1,230	2,180	1,620	394	204	164
10	122	156	145	2,080	319	1,170	1,380	2,410	1,520	382	211	160
11	142	151	154	3,900	850	1,140	1,620	2,700	1,520	370	211	158
12	180	149	239	1,320	2,050	1,200	1,810	2,700	1,480	359	198	157
13	142	148	180	935	1,730	1,230	2,050	2,900	1,350	348	198	158
14	208	145	163	2,240	2,360	1,200	2,230	3,220	1,260	328	192	161
15	268	147	154	5,070	1,660	1,170	2,410	2,700	1,140	319	186	160
16	204	149	150	3,420	1,660	1,170	2,900	2,410	1,080	310	186	157
17	174	174	148	1,660	1,380	1,230	3,000	2,320	1,080	301	186	155
18	168	163	147	1,170	1,170	1,230	2,900	2,280	1,060	292	180	154
19	174	153	146	935	1,080	1,230	2,700	2,100	980	285	180	151
20	168	151	145	780	1,350	1,290	2,700	1,770	935	276	180	148
21	163	151	144	700	4,580	1,350	2,900	1,700	890	268	180	148
22	153	164	143	622	5,210	1,320	3,110	1,730	868	260	180	147
23	146	165	142	588	3,220	1,170	3,110	1,770	845	260	174	144
24	146	161	141	553	2,180	1,110	2,800	1,970	822	253	174	143
25	146	155	141	520	1,700	980	2,500	2,050	780	246	174	141
26	147	150	142	489	1,420	912	2,360	1,930	720	246	168	140
27	146	148	186	474	1,260	868	2,230	1,850	660	239	168	140
28	146	146	162	446	1,170	1,000	2,140	1,810	605	232	168	140
29	148	145	328	432	1,140	1,480	1,970	1,450	570	232	167	142
30	146	144	284	418	-	1,230	1,730	1,290	553	225	163	143
31	144	-	246	406	-	1,170	-	1,170	-	225	163	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,746	268	122	153	9,410
November	4,634	174	144	154	9,190
December	5,152	328	141	166	10,220
Calendar year 1935	265,405	5,190	121	727	526,400
January	32,254	5,070	204	1,040	63,970
February	40,783	5,210	319	1,406	80,890
March	36,800	1,480	868	1,187	72,990
April	60,106	3,110	958	2,004	119,200
May	65,850	3,220	1,170	2,124	130,600
June	34,598	3,000	553	1,153	68,620
July	10,244	520	225	330	20,320
August	5,853	218	163	189	11,610
September	4,744	204	140	168	9,410
Water year 1935-36	305,764	5,210	122	835	606,400

Bowman Lake near Graniteville, Calif.

Location.- Staff gage, lat. 39°27', long. 120°39', in SW¼ sec. 5, T. 18 N., R. 12 E., at Bowman Dam, on Canyon Creek, 4 miles east of Graniteville.

Records available.- December 1926, when storage began, to September 1936.

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) and is released through Bowman-Spaulding Canal (see record for Bowman-Spaulding Canal at intake). Elevation of crest of dam is 5,567 feet above mean sea level. No records for Feb. 12-14, 23-29. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40,420	28,380	16,400	9,080	10,000	11,800	19,500	55,400	67,960	69,720	59,400	46,370
2	40,000	28,080	15,950	9,000	9,640	11,880	19,900	56,120	68,200	69,560	59,000	45,950
3	39,650	27,780	15,500	8,940	9,640	12,040	20,200	57,080	68,520	69,400	58,600	45,600
4	39,160	27,180	15,120	8,880	9,440	12,160	20,550	58,440	68,760	69,240	58,200	45,180
5	38,600	27,480	14,680	8,880	9,200	12,280	20,900	59,720	69,080	69,000	57,800	44,900
6	38,040	26,880	14,280	8,850	8,970	12,400	21,200	60,280	69,080	68,840	57,400	44,480
7	37,550	26,580	13,920	8,760	8,790	12,120	21,500	60,920	68,680	68,600	57,000	44,060
8	37,080	26,100	13,480	8,700	8,520	12,680	22,000	61,560	68,680	68,360	56,520	43,710
9	36,720	25,740	13,120	8,670	8,280	12,840	22,500	62,280	69,400	68,040	56,120	43,290
10	36,360	25,320	12,720	8,730	8,040	13,040	23,000	63,320	69,800	67,720	55,720	42,800
11	35,940	24,900	12,480	9,400	7,920	13,200	23,760	64,280	69,720	67,400	55,320	42,380
12	35,580	24,420	12,200	9,640	-	13,400	24,780	65,000	69,800	67,080	54,920	41,960
13	35,160	24,000	11,840	9,720	-	13,680	25,980	65,880	69,960	66,680	54,520	41,470
14	34,800	23,580	11,520	9,880	-	13,960	27,180	66,040	69,800	66,280	54,120	41,050
15	34,500	23,200	11,120	10,760	8,100	14,200	28,980	66,200	69,720	65,880	53,640	40,700
16	34,200	22,650	10,840	11,560	8,040	14,440	30,480	65,160	69,640	65,560	53,160	40,210
17	33,900	22,050	10,760	11,760	7,950	14,720	32,040	65,080	69,640	65,160	52,680	39,790
18	33,360	21,800	10,640	11,800	7,830	15,000	33,600	65,080	69,720	64,760	52,280	39,370
19	33,000	21,400	10,520	11,800	7,710	15,280	35,580	65,240	69,960	64,360	51,880	38,950
20	32,580	20,950	10,360	11,760	7,590	15,900	37,200	65,400	69,800	63,960	51,400	38,530
21	32,160	20,500	10,200	11,720	7,710	16,450	39,090	65,800	69,960	63,640	51,000	38,110
22	31,800	20,200	10,120	11,600	8,670	17,000	41,400	66,360	69,960	63,320	50,600	37,830
23	31,440	19,800	9,960	11,480	-	17,500	43,570	67,000	69,880	63,000	50,120	37,550
24	30,660	19,350	9,840	11,360	-	17,900	45,390	67,720	70,040	62,680	49,660	37,200
25	30,360	18,900	9,720	11,200	-	18,150	46,660	68,280	70,040	62,280	49,240	36,960
26	30,120	18,400	9,600	11,040	-	18,350	48,260	68,200	70,040	61,880	48,820	36,780
27	29,820	18,000	9,480	10,880	-	18,500	49,800	68,040	70,040	61,480	48,400	36,600
28	29,580	17,550	9,400	10,680	-	18,700	51,400	68,040	69,800	61,000	48,050	36,300
29	29,280	17,200	9,320	10,520	-	18,900	52,840	68,040	69,720	60,600	47,630	36,000
30	28,980	16,800	9,240	10,320	-	19,100	54,200	67,880	69,800	60,200	47,210	35,700
31	28,620	-	9,160	10,160	-	19,300	-	67,720	-	59,800	46,790	-

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 1936.

Extremes.- Maximum discharge during year, 1,460 second-feet June 6 (gage height, 5.98 feet), from rating curve extended above 700 second-feet; minimum, 0.1 second-foot at various times.

1927-36: Maximum discharge, that of June 6, 1936; practically no flow at times when there is little or no leakage from dams above.

Remarks.- Records fair. Discharge estimated Apr. 2, 4-10; mean monthly discharge October to March and September computed on basis of partial gage-height record, several discharge measurements, and precipitation records. Flow regulated by storage in Bowman Lake and diversion into Bowman-Spaulding Canal. See records for those stations. Gage-height record and results of several discharge measurements furnished by Nevada Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	0.1	-	-	-	-	1.1	11	4.9	1.6	0.2	
2	-	-	-	-	-	-	1.1	11	2.6	1.2	.3	
3	-	.1	0.1	2.6	-	-	1.1	11	8	1.2	.2	
4	0.1	-	-	-	-	2.8	1.5	12	21	1.1	.3	
5	-	-	-	-	-	-	2.0	13	21	1.1	.4	
6	-	-	.5	-	-	2.5	2.3	9	545	1.0	.2	
7	-	-	-	-	0.4	-	3.3	7	1,000	1.1	.2	
8	-	.5	-	-	-	-	3.5	7.5	271	1.1	.2	
9	-	-	-	-	-	-	4.1	8	25	1.0	.3	
10	-	-	-	34	-	-	5.5	7	226	1.0	.5	
11	.6	-	-	26	-	-	7	59	292	1.0	1.0	
12	-	-	-	-	-	-	6.5	320	209	.9	1.0	
13	-	-	.4	-	-	3.0	9	482	283	.8	.6	
14	-	-	-	24	12	-	8	780	266	.8	.7	
15	-	.3	-	32	-	-	10	600	200	.7	.7	
16	-	-	-	-	-	-	9.5	452	142	.7	.6	
17	-	-	-	4.1	-	-	9	402	90	.6	.6	
18	.3	-	-	-	-	-	8.5	372	82	.6	.5	
19	-	-	-	-	-	-	8.5	260	82	.5	.4	
20	-	-	.1	-	-	2.7	9	140	47	.4	.4	
21	-	-	-	-	54	-	11	22	30	.4	.5	
22	-	1.3	-	-	12	-	13	13	14	.3	.5	
23	-	-	-	-	-	-	13	11	12	.3	.5	
24	.1	-	-	1.0	-	-	10	12	91	.4	.4	
25	.1	-	-	-	-	-	7.5	218	130	.3	.4	
26	-	-	-	-	-	-	11	434	124	.3	.4	
27	-	-	.2	-	-	1.1	11	366	89	.3	.4	
28	-	-	-	-	-	-	13	282	35	.3	.3	
29	-	.1	-	.8	-	4.0	14	306	8.5	.3	.3	
30	-	-	-	-	-	-	12	292	2.8	.3	.3	
31	-	-	-	.5	-	-	-	165	-	.3	.3	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9.3	-	-	*0.3	18
November	15.0	-	-	*.5	30
December	9.3	-	-	*.3	18
Calendar year 1935	15,207.6	795	0	41.7	30,160
January	186	34	-	*6.0	369
February	174	54	-	*6.0	345
March	93	-	-	*3.0	184
April	226.0	14	1.1	7.53	448
May	6,084.5	780	7	196	12,070
June	4,353.8	1,000	2.6	145	8,640
July	21.9	1.6	.3	.71	43
August	13.6	1.0	.2	.44	27
September	6.0	-	-	*.2	12
Water year 1935-36	11,192.4	1,000	-	30.6	22,200

*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., 150 feet below intake and a quarter of a mile below Bowman Dam. Altitude, about 5,400 feet.

Records available.- October 1927 to September 1936.

Extremes.- Maximum daily discharge during year, 243 second-feet Sept. 23; no flow parts of April and May.
1928-36: Maximum daily discharge, 262 second-feet Aug. 2-9, 29, Sept. 10-13, 1928; no flow at times each year.

Remarks.- Records good. Canal diverts from left bank of Canyon Creek below Bowman Lake. Water is delivered to Fuller Lake, then to Lake Spaulding and after passing through several power houses is used for irrigation in Nevada irrigation district. Gage-height record and results of discharge measurements furnished by Nevada Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	235	231	230	72	214	154	46	0.2	43	239	238	241
2	235	231	229	72	214	164	1.4	.1	53	238	238	241
3	235	228	228	72	216	170	20	.1	52	239	239	241
4	234	231	230	73	215	175	21	0	35	237	239	241
5	236	231	231	72	215	171	21	.1	27	235	238	241
6	236	233	230	87	214	174	10	0	14	236	238	241
7	237	233	229	94	214	174	2.5	.9	.6	237	239	241
8	236	232	230	94	214	174	2.7	1.7	.9	236	240	241
9	238	231	232	94	214	167	3.0	.4	6	239	241	242
10	240	232	194	124	214	166	11	1.8	34	238	240	241
11	238	232	193	60	168	167	2.2	.8	29	236	240	242
12	232	232	192	151	118	161	.4	.8	35	236	242	242
13	235	231	192	177	174	151	.5	.9	46	236	242	242
14	230	231	190	152	174	152	.4	.9	45	237	242	242
15	229	231	191	36	194	154	.4	.6	43	236	242	242
16	231	230	132	89	194	154	.4	.7	82	236	242	242
17	232	230	79	160	195	155	.4	.7	127	236	242	242
18	232	231	79	191	197	154	.4	1.3	127	236	242	242
19	232	231	79	199	199	154	.3	1.7	91	236	241	242
20	232	231	78	200	197	148	.2	1.1	177	236	241	242
21	234	232	79	202	103	142	.2	.9	177	237	241	240
22	232	231	77	208	29	142	.1	1.2	185	239	241	242
23	232	230	76	215	57	150	0	.9	205	239	241	243
24	232	230	78	214	106	161	2.7	.8	225	239	241	242
25	232	232	78	215	41	177	5	2.4	234	239	241	242
26	233	232	70	217	8	184	.2	1.7	204	239	241	241
27	233	232	76	217	8	183	.2	.9	238	238	241	242
28	233	231	73	216	.3	180	.4	.3	230	238	241	241
29	233	230	72	216	35	173	.4	0	134	239	241	241
30	233	231	72	216	-	177	.3	0	84	238	241	241
31	232	-	72	215	-	178	-	22	-	237	241	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7,244	240	229	234	14,370
November	6,934	233	228	231	13,750
December	4,491	232	70	145	8,910
Calendar year 1935	51,085.7	246	0	140	101,300
January	4,620	217	36	149	9,160
February	4,341.3	216	.3	150	8,610
March	5,086	184	142	164	10,090
April	153.7	46	0	5.12	305
May	45.9	22	0	1.48	91
June	2,983.5	238	.6	99.4	5,920
July	7,357	239	235	237	14,590
August	7,457	242	238	241	14,790
September	7,246	243	240	242	14,370
Water year 1935-36	57,959.4	243	0	158	115,000

Deer Creek near Smartville, Calif.

Location.- Staff gage, lat. 39°13'20", long. 121°16'0", in sec. 23, T. 16 N., R. 6 E., 1 mile above mouth and 2 miles northeast of Smartville. Altitude, about 500 feet.

Drainage area.- 83.5 square miles.

Records available.- June 1935 to September 1936.

Extremes.- Maximum discharge during period, 6,260 second-feet Feb. 21 (gage height, 10.6 feet); minimum, 3.1 second-feet Oct. 25 (gage height, 1.36 feet).

Remarks.- Records good except those for July 10-23, 1936, which were computed on basis of records of water released above station. Storage and diversions above station, maximum diversion about 40 second-feet. At times water from South Fork of Yuba River is diverted into Deer 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										10	9	6
2										12	9.5	6
3										11	7	5.5
4										10	6	6
5										9.5	7	7
6										11	8.5	7
7										9.5	6	6
8										8	6.5	7
9										9.5	5.5	6
10										10	6.5	6.5
11										11	7	7
12										12	6	6
13										10	8	7
14										10	7	7.5
15										9.5	8.5	8.5
16										10	7	8.5
17										12	6	8
18										10	7	8
19										10	7	8.5
20										10	7	8
21									13	11	6.5	8.5
22									14	9.5	6	8
23									11	10	5	9
24									10	7.5	7.5	8.5
25									14	8.5	6	9
26									14	9.5	6.5	8
27									12	8.5	5.5	8.5
28									10	7.5	6	9
29									10	7	5.5	8
30									11	6	6	8.5
31									-	6.5	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June 21-30	119	14	10	11.9	236
July	296.5	12	6	9.56	588
August	208.5	9.5	5	6.73	414
September	225.0	9	5.5	7.50	446
The period					1,680

Deer Creek near Smartville, Calif.

(Continued)

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	12	8	66	88	338	625	81	44	13	8	7
2	10	13	6.5	162	83	284	540	78	40	13	9.5	9.5
3	10	17	6.5	117	78	238	338	73	44	12	9.5	12
4	6.5	16	7	272	73	218	198	70	44	12	9.5	9.5
5	7	14	8.5	110	55	198	44	70	46	12	9.5	10
6	8	15	6	40	49	180	17	67	51	12	9.5	11
7	8.5	13	7	36	49	146	17	59	111	12	7.5	10
8	8	14	8	180	51	131	13	56	108	12	9.5	11
9	8	16	6	1,110	49	146	18	46	70	8.5	7	9.5
10	6	14	6.5	2,230	50	78	21	44	67	7.5	7.5	9.5
11	9	12	6	2,720	708	66	21	42	44	6.5	7	8
12	13	13	45	353	3,150	66	24	51	40	6	11	10
13	10	11	28	580	3,670	71	20	46	37	6.5	11	10
14	16	12	11	2,720	2,920	76	20	44	31	13	8.5	9.5
15	18	10	11	2,820	1,290	83	18	49	31	12	8	8.5
16	15	14	10	1,450	3,230	78	21	46	29	8	7	10
17	14	16	10	540	1,170	109	23	44	29	8	7.5	9
18	15	18	6.5	383	398	103	26	42	24	7	10	11
19	13	15	7.5	284	310	103	33	42	20	7.5	9.5	10
20	11	13	6	198	465	100	44	37	18	8	8.5	9
21	9	9.5	7	162	1,970	98	46	31	18	8	8	10
22	7	8.5	6.5	146	1,880	95	64	29	18	8.5	7	10
23	4.8	7	7	117	1,430	88	84	28	17	10	11	10
24	5	9	7	125	1,050	103	70	26	17	9.5	8.5	10
25	3.1	10	8	103	1,230	90	76	24	17	9.5	9.5	11
26	3.5	10	7	100	720	93	81	23	17	9.5	9	12
27	9	7	8.5	95	500	93	73	23	16	9.5	8.5	8.5
28	11	7	8.5	93	430	98	76	24	16	8.5	9	10
29	13	6	96	88	398	100	87	29	16	8.5	9.5	10
30	11	6.5	131	83	-	103	127	49	13	8	8	9.5
31	10	-	90	78	-	625	-	44	-	8	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	301.4	18	3.1	9.72	598
November	358.5	18	6	12.0	711
December	587.5	131	6	19.0	1,170
Calendar year					
January	17,561	2,820	36	566	34,830
February	27,544	3,670	49	950	54,630
March	4,398	625	66	142	8,720
April	2,865	625	13	95.5	5,680
May	1,417	81	23	45.7	2,810
June	1,093	111	13	36.4	2,170
July	294.0	13	6	9.48	583
August	270.0	11	7	8.71	536
September	295.0	12	7	9.83	585
Water year 1935-36	56,984.4	3,670	3.1	156	113,000

Bear River near Wheatland, Calif.

Location.- Water-stage recorder, lat. 39°0', long. 121°25', in sec. 3, T. 13 N., R. 5 E., 1 mile southeast of Wheatland, 6½ miles below Rock Creek, and 12 miles above mouth. Altitude, about 85 feet.

Drainage area.- 295 square miles.

Records available.- October 1928 to September 1936.

Extremes.- Maximum discharge during year, 15,100 second-feet Feb. 12 (gage height, 12.80 feet); minimum, 8 second-feet July 15.
1928-36: Maximum discharge, 21,600 second-feet Apr. 8, 1935 (gage height, 15.15 feet); 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. Storage and many diversions and inflow from Yuba River Basin above station. Results of several discharge measurements furnished by office of State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	385	79	510	402	662	1,070	1,170	553	292	10	8.5	17
2	363	108	504	477	764	930	906	457	120	10	10	18
3	336	99	427	635	640	850	1,170	423	22	10	10	18
4	330	94	99	600	620	787	4,210	406	43	10	10	15
5	320	217	68	490	615	752	2,300	412	172	9.5	9.5	14
6	320	221	58	380	615	717	1,390	380	175	9	9	14
7	304	233	116	352	610	717	1,200	370	380	8.5	9	14
8	265	265	149	357	605	689	1,090	445	406	9	9	13
9	260	280	142	1,120	600	675	1,060	469	251	9.5	9.5	14
10	256	275	146	3,210	600	668	1,020	457	204	9	10	12
11	256	270	146	3,640	2,560	654	985	428	175	9	10	9.5
12	251	275	177	1,720	10,100	647	950	370	140	8.5	10	10
13	246	275	174	1,000	8,400	633	885	321	182	8.5	15	14
14	246	256	163	6,870	10,900	558	866	316	292	8.5	16	14
15	238	251	523	5,660	5,430	552	833	345	306	8.5	16	16
16	238	251	544	7,000	6,810	540	774	396	264	9.5	15	17
17	233	256	537	2,370	5,380	546	521	396	255	9	14	23
18	229	260	530	1,360	3,040	504	251	390	217	11	14	27
19	225	251	523	917	2,460	406	217	390	72	14	15	28
20	212	251	510	728	2,940	380	267	365	39	11	18	28
21	200	246	497	692	4,980	255	651	340	26	12	18	28
22	185	229	477	668	8,330	247	664	326	17	12	20	28
23	156	102	458	650	4,900	243	670	321	10	10	23	24
24	156	81	427	630	3,770	260	625	316	23	10	21	23
25	197	81	408	615	4,310	291	595	330	23	12	20	24
26	62	86	385	605	2,500	260	565	311	21	13	19	23
27	72	220	391	595	1,780	152	535	311	21	10	19	22
28	61	565	368	590	1,380	332	523	306	20	10	19	18
29	89	572	414	575	1,140	836	547	297	14	10	17	13
30	94	537	408	570	-	994	664	297	10	10	18	10
31	64	-	458	575	-	2,200	-	292	-	10	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,869	385	62	222	13,620
November	7,186	572	79	240	14,250
December	10,737	544	58	346	21,300
Calendar year 1935	198,395	14,200	11	544	393,500
January	46,053	7,000	352	1,486	91,340
February	97,441	10,900	600	3,360	193,300
March	19,345	2,200	152	624	38,370
April	28,104	4,210	217	937	55,740
May	11,536	553	292	372	22,880
June	4,192	406	10	140	8,310
July	311.0	14	8.5	10.0	617
August	447.5	23	8.5	14.4	888
September	548.5	28	9.5	18.3	1,090
Water year 1935-36	232,770.0	10,900	6.5	636	461,700

Bear River Canal near Colfax, Calif.

Location.- Water-stage recorder, lat. 39°7', long. 120°58', in sec. 28, T. 15 N., R. 9 E., just below lower spillway gates, 1½ miles below diversion dam on Bear River, and 2 miles northwest of Colfax. Altitude, about 1,950 feet.

Records available.- January 1912 to September 1936.

Average discharge.- 22 years (1914-36), 202 second-feet.

Extremes.- Maximum daily discharge during year, 469 second-feet July 16; no flow Feb. 5-10.
1912-36: Maximum daily discharge recorded, that of July 16, 1936; 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, part is then distributed for irrigation and part is eventually spilled into North Fork of American River. Spill into North Fork of American River has occurred in previous years also. Records of daily discharge furnished by Pacific Gas & Electric Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	366	328	310	316	253	210	176	174	290	289	456	457
2	364	320	312	316	239	169	180	172	285	278	454	459
3	368	326	310	301	280	198	186	173	300	271	454	451
4	328	319	310	301	10	198	178	175	291	258	436	452
5	325	320	310	279	0	193	153	177	292	263	456	448
6	328	320	310	313	0	212	165	178	288	279	456	407
7	364	320	311	314	0	214	172	173	295	384	454	282
8	364	320	316	277	0	212	171	175	292	420	454	443
9	364	321	312	246	0	204	172	175	281	437	454	448
10	363	321	310	8	0	208	178	177	276	311	454	460
11	364	320	316	70	4.6	210	172	208	298	291	457	444
12	281	321	319	151	16	205	171	290	322	379	456	443
13	225	321	314	209	9	211	180	290	350	451	435	450
14	271	319	310	98	14	208	181	292	373	451	456	452
15	306	320	310	10	5	208	180	292	387	461	458	456
16	263	318	310	116	11	201	175	285	406	469	459	455
17	276	320	310	207	81	214	175	282	421	457	459	455
18	305	314	308	233	201	211	177	285	435	454	459	459
19	213	317	307	237	206	210	166	272	431	452	458	433
20	209	317	308	235	214	208	173	277	421	454	459	448
21	315	315	308	242	110	176	179	283	278	458	461	450
22	312	315	308	240	96	213	176	282	373	459	457	449
23	327	310	308	235	91	211	174	288	433	458	380	454
24	327	312	307	235	182	194	169	290	435	454	345	452
25	328	311	308	240	198	180	173	290	430	452	450	454
26	327	308	305	249	260	189	172	293	436	451	453	457
27	328	294	313	246	210	191	180	293	448	452	456	456
28	329	305	309	258	200	192	180	287	422	456	456	456
29	329	282	327	252	218	189	179	281	332	457	456	456
30	329	311	324	267	-	193	178	269	339	457	327	457
31	328	-	320	246	-	182	-	279	-	454	454	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,826	366	209	317	19,490
November	9,465	328	282	316	18,770
December	9,660	327	305	312	19,160
Calendar year 1935	102,675.7	455	0	281	203,600
January	6,947	316	8	224	13,780
February	3,108.6	280	0	107	6,170
March	6,234	214	176	201	12,360
April	5,241	186	153	175	10,400
May	7,657	293	172	247	15,190
June	10,660	448	276	355	21,140
July	12,517	469	258	404	24,830
August	13,779	461	327	444	27,330
September	13,343	460	282	445	26,470
Water year 1935-36	108,437.6	469	0	296	215,100

North Fork of American River near Colfax, Calif.

Location.- Water-stage recorder, lat. 39°2'0", long. 120°54'0", 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 897.29 feet (revised) above mean sea level (general adjustment of 1929).

Drainage area.- 308 square miles.

Records available.- August 1911 to September 1936.

Average discharge.- 24 years (1911-13, 1914-36), 611 second-feet.

Extremes.- Maximum discharge during year, 14,300 second-feet Feb. 21 (gage height, 12.70 feet); minimum, 34 second-feet Oct. 1.

1911-36: Maximum discharge, by slope-area method, 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 Sept. 12-30, which are fair and were computed on basis of records for Middle Fork of American River near Auburn. Small storage and diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	54	74	168	691	1,820	1,380	1,580	1,000	346	88	48
2	45	96	74	268	762	1,900	1,220	2,080	1,000	350	85	48
3	51	100	74	480	600	1,900	1,410	2,610	1,020	332	83	59
4	50	79	69	532	530	1,780	2,560	2,780	1,100	312	80	64
5	43	72	71	528	503	1,660	1,940	2,510	1,020	301	80	67
6	42	72	72	318	467	1,580	1,550	1,900	1,730	284	78	61
7	40	74	76	233	440	1,520	1,520	1,660	3,690	274	78	56
8	39	83	83	274	424	1,480	1,700	1,780	1,870	259	77	54
9	38	87	87	1,260	408	1,550	1,780	2,030	1,390	241	73	52
10	37	76	83	2,990	400	1,520	1,940	2,310	1,280	229	73	50
11	43	76	81	5,690	1,550	1,410	2,260	2,510	1,280	223	75	49
12	94	68	168	1,970	5,020	1,440	2,460	2,510	1,240	209	75	47
13	61	68	156	1,350	4,250	1,520	2,510	2,610	1,080	209	73	47
14	78	63	102	4,500	6,160	1,410	2,610	2,780	990	200	72	47
15	146	64	98	6,900	3,800	1,380	2,830	2,210	852	192	69	48
16	114	78	96	5,550	4,700	1,340	3,120	2,080	828	184	67	48
17	74	100	92	2,600	3,650	1,440	3,180	2,080	804	174	66	48
18	61	112	90	1,700	2,660	1,340	3,180	2,080	858	164	67	47
19	55	83	88	1,270	2,360	1,310	2,880	1,900	745	152	66	46
20	54	78	87	1,020	2,720	1,380	2,880	1,520	690	148	64	45
21	51	72	85	877	5,650	1,480	2,940	1,440	673	143	63	44
22	50	79	78	786	9,320	1,440	3,120	1,550	642	136	63	44
23	47	85	78	720	5,920	1,190	2,940	1,620	626	130	61	46
24	50	96	74	672	4,380	1,100	2,720	1,820	621	125	60	42
25	50	94	71	625	3,690	975	2,360	1,860	566	121	59	42
26	50	76	71	590	2,830	900	2,260	1,740	508	117	59	42
27	50	79	98	545	2,360	875	2,160	1,580	457	111	56	40
28	48	74	106	521	2,080	900	2,080	1,700	426	105	54	40
29	50	74	238	503	1,900	1,580	1,980	1,280	386	97	53	45
30	50	74	248	476	-	1,550	1,700	1,130	361	94	50	48
31	50	-	258	454	-	1,820	-	1,020	-	92	49	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,747	146	36	56.4	3,470
November	2,386	112	54	79.5	4,730
December	3,226	258	69	104	6,400
Calendar year 1935	263,331	9,780	32	721	522,300
January	46,370	6,900	168	1,496	91,970
February	80,225	9,320	400	2,766	159,100
March	44,490	1,900	875	1,435	88,240
April	69,170	3,180	1,220	2,306	137,200
May	60,260	2,780	1,020	1,944	119,500
June	29,733	3,690	361	991	58,970
July	6,054	350	92	195	12,010
August	2,116	88	49	68.3	4,200
September	1,464	67	40	48.8	2,900
Water year 1935-36	347,241	9,320	36	949	688,700

North Fork of American River at Rattlesnake Bridge, Calif.

Location.- Water-stage recorder, lat. 38°49', long. 121°6', in SW¼ sec. 9, T. 11 N., R. 8 E., 800 feet downstream 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 1936.

Extremes.- Maximum discharge during year, 37,600 second-feet Feb. 22 (gage height, 16.6 feet); minimum, 88 second-feet Oct. 1.
1930-36: Maximum discharge, 41,500 second-feet Apr. 8, 1935 (gage height, 17.6 feet); 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 Basins enters stream above station, amounting to as much as several hundred second-feet for parts of days from June to November.

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

Day	Oct.	Nov.	Dec.	Jan	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	129	336	378	728	2,120	5,140	4,160	4,960	2,710	1,500	483	301
2	150	396	441	844	2,900	5,330	3,560	5,520	2,710	1,500	441	296
3	178	444	432	1,730	2,070	5,520	3,900	7,640	2,860	1,430	465	286
4	248	404	444	1,790	1,740	5,330	7,640	8,800	3,320	1,340	459	348
5	197	388	430	2,350	1,550	4,960	5,520	8,560	3,000	1,280	403	334
6	188	379	419	1,460	1,440	4,780	4,330	6,130	3,320	1,230	393	314
7	246	392	434	1,080	1,330	4,510	4,070	5,140	12,400	1,260	387	193
8	216	411	320	991	1,260	4,420	4,510	5,140	8,110	1,210	408	294
9	216	466	470	3,280	1,210	4,780	4,960	5,920	5,520	1,150	326	339
10	206	394	454	7,050	1,180	4,780	5,330	6,980	4,960	932	393	314
11	219	454	415	17,200	3,020	4,510	6,340	7,640	4,960	884	372	306
12	256	458	512	7,360	14,300	4,600	7,420	7,640	5,140	916	363	294
13	231	417	695	4,340	12,600	4,780	7,860	8,080	4,510	924	358	250
14	379	422	543	12,000	18,200	4,600	8,320	8,800	4,160	964	353	306
15	444	406	388	18,500	12,300	4,330	8,800	7,420	3,640	876	344	322
16	528	418	538	19,900	14,300	4,420	10,000	6,550	3,480	876	310	306
17	339	399	510	8,580	11,300	4,600	10,300	6,340	3,320	860	353	298
18	355	507	502	5,240	7,860	4,420	10,000	6,130	3,820	868	353	307
19	344	508	458	3,880	6,760	4,330	9,520	6,130	3,730	758	348	300
20	182	464	468	3,210	7,420	4,420	9,040	4,960	3,240	758	341	270
21	365	430	424	2,740	10,900	4,780	9,520	4,420	3,160	720	339	306
22	331	403	318	2,460	32,200	4,780	9,520	4,600	2,930	698	330	293
23	316	476	498	2,260	22,300	3,980	9,520	4,960	2,930	682	280	299
24	316	429	420	2,070	15,400	3,730	9,040	5,140	3,080	668	184	294
25	318	548	363	2,010	12,300	3,240	7,640	5,520	2,780	660	310	284
26	312	460	425	1,770	8,800	2,860	7,420	5,520	2,500	567	318	290
27	296	450	486	1,770	7,200	2,780	6,980	4,960	2,160	588	314	254
28	365	370	536	1,660	6,130	2,710	6,340	5,140	2,040	540	306	287
29	318	386	648	1,670	5,520	4,600	6,130	4,240	1,800	514	314	277
30	324	402	1,020	1,590	-	4,960	5,330	3,480	1,680	508	204	291
31	327	-	944	1,460	-	5,720	-	3,000	-	489	313	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,889	528	129	287	17,630
November	12,817	548	336	427	25,420
December	15,333	1,020	318	495	30,410
Calendar year 1935	852,768	32,900	90	2,336	1,692,000
January	142,973	19,900	728	4,612	283,600
February	245,610	32,200	1,180	8,469	487,200
March	138,700	5,720	2,710	4,474	275,100
April	213,020	10,300	3,560	7,101	422,500
May	185,460	8,800	3,000	5,983	367,900
June	113,970	12,400	1,680	3,799	226,100
July	28,150	1,500	489	908	55,830
August	10,865	483	184	350	21,550
September	8,653	348	193	295	17,560
Water year 1935-36	1,124,640	32,200	129	3,073	2,231,000

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, and 10 miles below South Fork. Altitude, about 72 feet.

Drainage area.- 1,921 square miles.

Records available.- November 1904 to September 1936 (various locations but all near highway bridge).

Average discharge.- 31 years (1905-36), 3,629 second-feet.

Extremes.- Maximum discharge during year, 58,300 second-feet Feb. 22 (gage height, 20.7 feet); minimum, 130 second-feet Oct. 1.
1904-36: 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 Dec. 3-12, Aug. 25-27, 31, Sept. 15, which are fair and were computed on basis of records for stations at Sacramento and on North and South Forks of American River. Storage, many diversions, and power plants above station. Some inflow from Bear and Yuba River Basins.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	280	549	658	1,240	3,040	8,220	7,080	7,080	4,790	2,460	602	412
2	265	680	555	1,120	8,060	8,220	6,110	7,740	4,640	2,420	580	427
3	370	840	635	2,380	4,080	8,220	6,110	11,000	4,640	2,280	544	405
4	431	702	640	2,580	3,060	7,980	12,800	13,100	5,420	2,150	571	453
5	433	702	650	3,430	2,630	7,740	9,800	13,400	4,940	1,990	522	530
6	324	702	650	2,200	2,430	7,300	7,080	10,100	5,100	1,910	518	510
7	424	702	670	1,640	2,240	7,080	6,470	7,980	15,500	1,910	492	416
8	365	680	620	1,430	2,160	6,870	6,870	7,740	11,900	1,830	505	356
9	330	725	650	4,050	2,030	7,080	7,300	8,720	7,740	1,760	467	461
10	342	748	680	10,100	1,950	7,300	7,980	10,400	7,080	1,580	471	464
11	344	658	700	24,800	4,940	6,870	8,980	11,300	7,080	1,450	471	427
12	390	770	900	11,900	22,400	6,870	10,700	11,300	7,520	1,450	467	409
13	524	725	1,180	6,220	22,500	7,300	11,300	11,900	6,670	1,360	467	405
14	547	669	915	19,000	31,200	7,080	11,900	13,400	6,290	1,390	450	398
15	700	595	725	24,800	19,800	6,870	12,800	12,800	5,590	1,300	442	410
16	840	615	725	28,200	22,100	6,670	14,000	10,700	5,420	1,270	434	427
17	792	748	770	12,700	19,500	7,080	14,400	10,400	5,260	1,240	399	427
18	608	815	748	8,240	12,700	6,870	14,400	10,100	5,760	1,240	426	420
19	555	840	702	6,020	10,600	6,670	13,400	10,100	5,760	1,140	426	416
20	515	770	615	4,900	11,200	6,870	12,800	7,740	5,260	1,080	438	412
21	419	702	680	4,240	15,900	7,080	13,100	7,080	5,100	1,040	446	377
22	499	658	595	3,570	46,400	7,300	13,400	7,080	4,790	985	467	374
23	515	770	615	3,240	33,900	6,470	13,400	7,740	4,790	960	479	412
24	531	770	635	2,960	22,800	6,110	13,100	8,220	4,790	935	363	412
25	482	815	595	2,840	19,400	5,760	11,300	8,720	4,490	910	398	394
26	477	770	595	2,680	14,400	5,100	11,000	8,980	4,200	835	398	420
27	535	770	748	2,530	11,600	4,940	10,400	7,980	3,650	785	416	420
28	507	680	770	2,430	9,800	4,640	9,520	8,220	3,410	715	430	402
29	468	575	990	2,380	8,720	6,470	9,240	6,870	3,070	670	434	391
30	464	635	1,400	2,340	-	7,080	7,980	5,760	2,750	648	427	405
31	498	-	1,430	2,200	-	9,800	-	5,100	-	602	416	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14,774	840	265	477	29,300
November	21,380	840	549	713	42,410
December	23,441	1,430	555	756	46,490
Calendar year 1935	1,278,232	49,300	178	3,502	2,535,000
January	208,360	28,200	1,120	6,721	413,300
February	391,540	46,400	1,950	13,500	776,600
March	215,910	9,800	4,640	6,965	428,300
April	314,720	14,400	6,110	10,490	624,200
May	288,750	13,400	5,100	9,315	572,700
June	173,400	15,500	2,750	5,780	343,900
July	42,295	2,460	602	1,364	83,890
August	14,366	602	363	463	28,490
September	12,592	530	356	420	24,980
Water year 1935-36	1,721,528	46,400	265	4,704	3,415,000

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, 6½ miles above mouth. Gage is set to datum of Corps of Engineers, U. S. Army.

Records available.- July to October 1921, October 1929 to October 1932, May 1934 to October 1936 (low-water records only). Gage-height record for high-water periods in years 1926-36 published by Division of Water Resources, Department of Public Works, State of California.

Extremes.- Minimum discharge recorded during 1936, 365 second-feet Sept. 8.
1921-1929-32, 1934-36: Minimum discharge, 21 second-feet Aug. 14, 1931.

Remarks.- Records fair. Storage, many diversions, and power plants above station; some inflow from Bear and Yuba River Basins.

Discharge, in second-feet, 1935-36

Day	Oct.							June	July	Aug.	Sept.	Oct.
1	255							-	2,460	640	447	486
2	240							-	2,340	640	468	470
3	340							-	2,340	566	468	492
4	373							-	2,160	595	461	476
5	411							-	1,980	566	573	459
6	395							-	1,980	545	580	492
7	373							-	1,930	531	552	525
8	384							-	1,880	531	415	520
9	318							8,720	1,780	517	508	503
10	343							7,640	1,600	482	498	508
11	313							7,440	1,420	517	486	514
12	350							7,840	1,420	489	464	464
13	450							7,240	1,370	468	481	448
14	450							6,660	1,370	434	442	464
15	654							5,910	1,260	434	454	498
16	690							5,730	1,220	440	470	492
17	788							5,550	1,200	454	481	531
18	579							5,910	1,200	447	476	508
19	553							6,090	1,100	468	470	508
20	534							5,370	1,020	468	492	514
21	395							5,190	1,000	447	442	537
22	510							4,850	960	461	448	549
23	510							4,680	936	482	459	549
24	516							5,020	912	434	470	543
25	492							4,680	835	420	470	531
26	486							4,260	798	427	464	585
27	474							3,700	752	427	492	555
28	457							3,540	715	440	470	585
29	516							3,240	700	440	481	611
30	457							2,740	662	461	476	598
31	460							-	640	420	-	618

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
October	14,066	788	240	454	27,900
1936					
June 9-30	122,000	8,720	2,740	5,545	242,000
July	41,940	2,460	640	1,353	83,190
August	15,091	640	420	487	29,930
September	14,358	580	415	479	28,480
October	16,133	618	448	520	32,000
The period					415,600

Middle Fork of American River near Auburn, Calif.

Location.- Water-stage recorder, lat. 38°55', long. 121°0', 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. Altitude, about 580 feet.

Drainage area.- 619 square miles.

Records available.- December 1930 to September 1936. October 1911 to December 1930, from staff gage at site half a mile downstream.

Average discharge.- 25 years, 1,313 second-feet.

Extremes.- Maximum discharge during year, 24,700 second-feet Feb. 22 (gage height, 19.4 feet); minimum, 50 second-feet Oct. 1.

1911-36: 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. Small storage reservoirs and diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	92	128	296	1,260	3,130	2,710	2,950	1,580	892	183	83
2	59	136	123	318	1,800	3,310	2,340	3,510	1,580	915	178	83
3	66	163	120	865	1,280	3,510	2,630	5,280	1,840	892	171	87
4	65	136	119	960	1,100	3,410	4,330	6,160	2,020	825	164	110
5	61	124	119	1,310	1,010	3,220	3,310	6,010	1,780	760	158	105
6	58	123	120	650	942	3,040	2,710	4,200	2,200	720	151	112
7	56	132	125	467	875	3,040	2,630	3,310	9,120	700	147	113
8	55	148	136	438	830	2,950	3,040	3,410	4,930	624	146	113
9	54	182	148	1,680	790	3,130	3,310	4,060	3,520	571	140	93
10	52	177	148	3,850	770	3,220	3,840	4,860	3,180	504	137	89
11	56	165	140	10,000	1,880	3,040	4,590	5,280	3,260	488	135	86
12	103	152	208	3,650	7,520	3,130	5,280	5,140	3,430	473	134	83
13	113	141	245	2,250	6,360	3,310	5,560	5,560	3,020	444	131	83
14	108	134	186	6,520	10,000	3,130	5,860	6,320	2,860	444	129	83
15	168	126	172	11,400	6,060	3,040	6,160	5,280	2,500	430	124	84
16	139	122	170	11,000	6,830	3,040	6,640	4,590	2,360	402	119	85
17	173	145	158	4,640	5,380	3,130	6,640	4,460	2,290	389	114	85
18	144	189	154	3,090	3,900	3,040	6,640	4,330	2,640	364	111	83
19	131	179	148	2,360	3,520	2,950	6,320	4,200	2,430	340	110	78
20	124	165	145	1,940	3,900	3,130	6,010	3,040	2,160	317	106	74
21	117	152	146	1,670	6,670	3,310	6,320	2,790	2,100	317	105	72
22	109	149	140	1,520	19,800	3,310	6,160	2,870	1,980	306	105	71
23	102	163	136	1,320	12,300	2,870	6,160	3,130	1,960	300	102	71
24	97	173	134	1,240	8,060	2,630	6,010	3,510	2,100	286	100	69
25	92	175	130	1,140	6,640	2,270	5,140	3,620	1,920	274	97	67
26	87	159	130	1,080	4,860	2,080	5,000	3,510	1,680	260	92	66
27	85	150	153	1,010	4,080	1,960	4,720	3,130	1,410	241	91	62
28	82	140	182	965	3,510	1,900	4,330	3,310	1,310	224	90	63
29	81	134	249	988	3,220	3,040	3,960	2,480	1,110	210	89	65
30	86	131	396	920	-	3,220	3,220	2,080	960	200	88	69
31	89	-	383	898	-	3,510	-	1,780	-	189	86	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,862	173	50	92.3	5,680
November	4,457	189	92	149	8,840
December	5,191	396	119	167	10,300
Calendar year 1935	523,799	18,600	50	1,435	1,039,000
January	80,435	11,400	296	2,595	159,500
February	135,147	19,800	770	4,660	268,100
March	93,000	3,510	1,900	3,000	184,500
April	141,570	6,640	2,340	4,719	280,800
May	124,180	6,320	1,780	4,006	246,300
June	75,250	9,120	960	2,508	149,300
July	14,321	915	189	462	28,410
August	3,833	183	86	124	7,600
September	2,487	113	62	82.9	4,930
Water year 1935-36	662,733	19,800	50	1,865	1,354,000

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., beside Lincoln Highway, 0.5 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 1936.

Average discharge.- 14 years (1922-36), 226 second-feet.

Extremes.- Maximum discharge during year, 3,040 second-feet May 13 (gage height, 6.54 feet); minimum, 1.6 second-feet Oct. 8-10, 13.
1922-36: 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, which are fair. Storage and diversions above station. See records for El Dorado Canal, which diverts half a mile upstream.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	8.5	3.6	3.5	64	223	272	1,000	770	390	5	4.9
2	10	17	3.5	27	63	254	263	1,400	712	385	5	8.5
3	4.3	8.5	3.5	46	39	288	272	1,940	784	338	5	12
4	3.0	4.5	3.4	47	36	304	257	2,180	686	310	5	5
5	3.1	5	3.4	23	30	304	231	1,940	705	314	10	11
6	2.2	5	3.4	3.7	23	310	231	1,550	1,200	317	5.5	4.6
7	1.9	2.6	3.4	3.9	20	317	288	1,260	2,000	278	5	4.6
8	1.6	2.5	3.4	4.0	17	342	412	1,350	1,300	266	5	4.7
9	1.6	2.8	3.2	37	15	421	500	1,660	1,250	237	6.5	4.6
10	1.6	3.2	3.6	122	18	434	666	1,880	1,300	228	7.5	19
11	2.5	3.2	3.6	304	104	430	864	1,940	1,450	184	9	10
12	5	3.2	14	186	220	480	1,040	1,880	1,450	150	4.9	4.7
13	1.6	3.2	4.4	164	162	515	1,180	2,240	1,300	137	5	4.9
14	9	3.2	3.5	248	174	495	1,350	2,720	1,120	122	4.9	4.9
15	28	3.5	3.2	317	148	495	1,550	2,360	1,140	110	5	5
16	20	3.4	3.2	266	131	520	1,720	2,180	1,250	124	5	4.9
17	13	8	3.2	152	109	542	1,820	2,120	1,300	113	5	4.9
18	8	4.8	3.6	109	98	505	1,770	2,120	1,350	95	6	4.7
19	4.7	3.4	5.5	77	92	525	1,660	1,880	1,300	86	6.5	5
20	3.1	3.5	3.4	59	91	586	1,770	1,550	1,260	84	7	4.9
21	3.0	3.4	3.2	52	260	653	1,880	1,500	1,220	78	5	4.7
22	3.1	6.5	3.2	48	798	616	1,880	1,550	1,160	76	5	4.6
23	3.2	10	3.1	46	485	485	1,820	1,720	1,150	66	5	10
24	3.5	3.5	3.2	47	342	426	1,720	1,880	1,080	54	5	11
25	3.2	3.4	3.5	49	269	361	1,600	2,060	952	33	5	7
26	3.4	3.4	3.5	45	228	328	1,600	1,880	777	11	5	4.7
27	3.4	3.2	3.7	43	220	317	1,550	1,770	724	3.4	5	5
28	3.2	3.2	3.6	46	212	320	1,400	1,550	718	4.9	5	4.9
29	3.5	3.4	8.5	55	210	334	1,160	1,140	580	6	5	4.9
30	3.4	3.6	3.9	41	-	328	960	920	412	8.5	5	4.9
31	3.2	-	3.7	42	-	300	-	872	-	9	4.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	166.3	28	1.6	5.36	330
November	142.6	17	2.5	4.75	283
December	125.1	14	3.1	4.04	248
Calendar year 1935	101,934.4	1,930	1.6	279	202,200
January	2,713.1	317	3.5	87.5	5,380
February	4.678	798	15	161	9,280
March	12,758	653	223	412	25,310
April	33,686	1,880	231	1,123	66,820
May	53,992	2,720	872	1,742	107,100
June	32,400	2,000	412	1,080	64,260
July	4,617.8	390	3.4	149	9,160
August	172.7	10	4.9	5.57	343
September	194.5	19	4.6	6.48	386
Water year 1935-36	145,646.1	2,720	1.6	398	288,900

South Fork of American River near Camino, Calif.

Location.- Water-stage recorder, lat. 38°46', long. 120°42', in SW¼ sec. 25, T. 11 N., R. 11 E., 1 mile below intake of South Fork of American River flume, 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 1936.

Average discharge.- 14 years, 664 second-feet.

Extremes.- Maximum discharge during year, 11,700 second-feet Feb. 22 (gage height, 15.35 feet); minimum, 3.8 second-feet Aug. 18.
1922-36: 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 American River flume, El Dorado Canal, and Finnon Reservoir outlet.

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

0.3	7	2.4	123	7.0	1,590
.8	12	2.8	180	8.0	2,230
1.0	20	3.2	248	9.0	3,000
1.2	28	3.6	326	10.0	3,960
1.4	38	4.0	416	11.0	5,100
1.6	50	4.5	552	12.0	6,420
1.8	64	5.0	710	13.0	7,850
2.0	81	6.0	1,100	14.0	9,360

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	96	126	74	582	1,380	1,480	2,230	1,480	780	98	42
2	78	121	158	180	780	1,430	1,330	2,840	1,430	798	70	41
3	61	96	124	366	552	1,530	1,430	4,180	1,650	727	92	66
4	84	78	125	446	480	1,590	1,710	4,860	1,590	644	80	82
5	61	111	145	440	440	1,590	1,330	4,620	1,530	650	80	74
6	64	110	162	230	381	1,530	1,260	3,270	2,370	644	77	57
7	10	115	160	178	381	1,480	1,330	2,600	6,140	612	72	80
8	24	104	104	193	392	1,480	1,590	2,760	3,000	567	69	63
9	15	119	154	748	392	1,590	1,770	3,360	2,520	537	48	69
10	10	89	151	1,480	370	1,590	2,090	3,850	2,520	466	75	44
11	22	92	164	2,600	784	1,590	2,520	4,180	2,630	508	66	61
12	53	90	248	1,210	2,520	1,710	3,000	3,750	2,840	392	66	74
13	38	94	214	930	2,520	1,770	3,270	4,400	2,440	381	65	36
14	32	102	158	2,660	4,620	1,710	3,650	5,730	2,230	359	64	50
15	75	152	162	3,960	2,600	1,710	3,960	4,620	1,950	337	56	55
16	112	184	118	3,450	2,370	1,710	4,510	4,180	2,020	337	46	56
17	66	196	68	1,650	1,890	1,830	4,620	4,070	2,090	326	56	52
18	47	204	48	1,210	1,530	1,710	4,620	4,070	2,300	298	50	64
19	56	190	50	950	1,430	1,710	4,070	3,650	2,160	252	56	48
20	42	169	62	798	1,430	1,830	4,180	2,680	2,020	266	44	37
21	31	182	62	693	2,500	1,950	4,400	2,520	1,890	235	62	50
22	57	196	40	628	9,350	1,950	4,400	2,760	1,770	223	54	48
23	18	201	62	567	6,000	1,650	4,290	3,090	1,770	214	34	52
24	27	208	48	552	3,550	1,480	4,180	3,450	1,770	208	56	50
25	20	194	33	480	2,600	1,330	3,650	3,650	1,530	180	50	69
26	27	181	68	404	2,090	1,240	3,650	3,450	1,330	137	56	81
27	22	178	68	370	1,830	1,190	3,650	3,180	1,240	132	50	84
28	25	148	73	359	1,650	1,240	3,180	3,090	1,170	118	63	50
29	35	140	124	370	1,480	1,830	2,920	2,160	1,060	102	52	67
30	47	148	161	337	-	1,770	2,370	1,770	852	100	50	72
31	68	-	134	359	-	1,830	-	1,650	-	108	54	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,373	112	10	44.3	2,720
November	4,289	208	78	143	8,510
December	3,574	248	33	115	7,090
Calendar year 1935	314,981	7,600	10	863	624,800
January	28,892	3,960	74	932	57,310
February	57,504	9,360	370	1,983	114,100
March	49,930	1,950	1,190	1,611	99,030
April	90,410	4,620	1,260	3,014	179,300
May	106,670	5,730	1,650	3,441	211,600
June	61,342	6,140	852	2,044	121,700
July	11,648	798	100	376	23,100
August	1,911	98	34	61.6	3,790
September	1,774	84	36	59.1	3,520
Water year 1935-36	419,317	9,360	10	1,146	831,800

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South Fork of American River at Coloma, Calif.

Location.- Water-stage recorder, lat. 38°48'0", long. 120°53'0", 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.

Drainage area.- 635 square miles.

Records available.- October 1929 to September 1936.

Extremes.- Maximum discharge during year, 12,400 second-feet Feb. 22 (gage height, 16.50 feet); minimum, 85 second-feet Oct. 7.
1929-36: Maximum discharge, 13,300 second-feet Apr. 8, 1935 (gage height, 16.85 feet); 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 1935-36 (gage height, in feet, and discharge, in second-feet)

6.8	74	8.4	630	11.0	2,700
7.0	114	8.6	740	11.5	3,260
7.2	164	8.8	860	12.0	3,870
7.4	220	9.0	990	12.5	4,550
7.6	285	9.4	1,270	13.0	5,320
7.8	360	9.8	1,580	14.0	7,040
8.0	440	10.2	1,930	15.0	9,000
8.2	530	10.6	2,300	16.0	11,200

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	133	234	166	280	1,500	2,110	2,060	2,700	1,930	990	226	159
2	195	262	165	349	1,950	2,110	1,840	3,200	1,750	990	203	151
3	198	274	164	680	1,020	2,160	2,110	4,410	1,980	948	184	170
4	203	222	146	738	842	2,160	3,500	5,160	2,020	836	195	195
5	195	241	170	618	764	2,060	2,450	5,000	1,880	866	192	198
6	203	248	182	460	668	2,020	2,020	3,740	2,380	830	192	200
7	121	255	190	381	636	1,980	1,980	3,080	6,320	788	189	161
8	124	236	193	372	600	1,980	2,160	3,140	3,620	740	186	192
9	133	250	148	1,260	565	2,020	2,350	3,740	2,980	707	186	186
10	128	232	186	2,670	585	2,110	2,600	4,270	2,920	652	159	175
11	146	228	165	4,580	1,350	2,060	3,080	4,550	3,030	680	181	156
12	195	224	319	1,970	4,850	2,110	3,500	4,130	3,260	580	181	184
13	189	206	315	1,270	4,850	2,200	3,740	4,700	2,920	521	172	184
14	151	189	218	5,370	8,210	2,160	4,130	5,980	2,650	508	172	131
15	214	200	202	5,220	4,130	2,060	4,410	4,850	2,350	494	172	161
16	276	224	222	5,370	5,300	2,060	4,850	4,410	2,450	476	172	164
17	226	260	208	2,450	3,870	2,200	5,000	4,410	2,400	458	146	164
18	192	273	190	1,660	2,650	2,110	5,000	4,410	2,650	449	161	164
19	195	233	164	1,270	2,350	2,020	4,550	4,130	2,550	392	156	172
20	195	216	189	1,060	2,450	2,200	4,410	3,140	2,350	376	161	161
21	151	224	204	884	4,320	2,300	4,700	2,980	2,300	380	154	136
22	186	242	186	618	10,800	2,300	4,700	3,140	2,160	360	178	159
23	167	239	156	729	9,000	1,980	4,700	3,500	2,110	344	178	159
24	151	252	188	685	5,640	1,840	4,550	3,870	2,160	332	136	156
25	151	236	173	658	4,550	1,660	4,130	4,000	1,930	313	164	164
26	151	222	148	636	3,260	1,540	4,130	3,870	1,660	296	164	186
27	151	219	221	570	2,760	1,460	4,130	3,620	1,540	229	167	217
28	124	202	218	555	2,450	1,460	3,620	3,620	1,460	238	164	167
29	141	175	300	580	2,250	2,350	3,380	2,550	1,340	220	181	164
30	163	174	366	550	-	2,550	2,860	2,160	1,130	206	161	186
31	195	-	348	565	-	2,810	-	2,060	-	217	161	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,345	278	121	172	10,600
November	6,924	282	174	231	13,730
December	6,470	366	146	209	12,830
Calendar year 1935	396,302	10,000	103	1,086	786,100
January	45,458	5,370	280	1,466	90,160
February	94,170	10,800	565	3,247	186,800
March	64,140	2,810	1,460	2,069	127,200
April	106,640	5,000	1,840	3,555	211,500
May	118,520	5,980	2,060	3,823	235,100
June	72,180	6,320	1,130	2,406	143,200
July	16,416	990	206	530	32,560
August	5,394	226	136	174	10,700
September	5,142	217	131	171	10,200
Water year 1935-36	546,799	10,800	121	1,494	1,085,000

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 1936.

Extremes.- Maximum daily discharge during year, 22 second-feet Sept. 10-26; no flow most of year.
1923-36: Maximum 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20											0
2	21											0
3	21											0
4	20											0
5	20											14
6	19											19
7	18											20
8	17											20
9	18											20
10	18											22
11	17											22
12	17											22
13	15											22
14	15											22
15	15											22
16	13											22
17	12											22
18	11											22
19	10											22
20	9.5											22
21	9											22
22	8											22
23	7.5											22
24	7											22
25	6.5											22
26	6											22
27	6											21
28	5.5											20
29	4.0											20
30	5											18
31	4.6											-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	395.6	21	4.0	12.8	785
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	725.1	21	0	1.99	1,440
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	546	22	0	18.2	1,080
Water year 1935-36	941.6	22	0	2.57	1,860

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 1936. No winter records most years.

Extremes.- Maximum discharge during year, 126 second-feet June 23 (gage height, 2.66 feet); probably no flow at times during winter.
1922-36: Maximum discharge, 202 second-feet June 15, 16, 1929 (gage height, 3.42 feet); no flow at times.

Remarks.- Records good except those estimated for Dec. 24 to May 12, and those for May 13 to June 1, which were computed on basis of records of gate openings, lake elevation, and occasional staff-gage readings and are fair. Practically no available storage in Medley Lakes above station on Sept. 30, 1935, or Sept. 30, 1936.

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

0.1	0.2	0.9	10	1.7	47
.2	.4	1.0	13	1.8	54
.3	.8	1.1	16	1.9	61
.4	1.5	1.2	20	2.0	69
.5	2.5	1.3	25	2.2	85
.6	4.0	1.4	30	2.4	103
.7	5.5	1.5	35		
.8	7.5	1.6	41		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.9	3.0	2.1					1.8	3.5	7	46	56
2	3.6	4.8	2.0					2	3.4	8	45	55
3	1.4	5.5	1.9					4	4.6	8	45	42
4	.7	5.5	1.9					6	3.1	8	45	28
5	.6	4.9	1.8					5	5	9.5	45	28
6	1.5	4.6	1.9					4	10	32	44	27
7	2.5	4.6	2.0					3.8	21	53	44	27
8	2.2	4.6	2.1					4	33	63	44	26
9	1.7	4.4	2.0					5	36	56	44	26
10	1.3	4.2	2.0					6	38	44	53	22
11	1.5	4.0	2.1					6	41	41	67	18
12	3.2	3.4	3.4					6	43	39	66	17
13	3.7	3.1	3.8					45	42	43	65	17
14	4.8	2.8	3.8					84	40	47	65	17
15	9	2.5	3.7					83	56	47	64	17
16	10	2.6	3.6					82	68	47	63	17
17	10	3.6	3.7					82	75	45	63	16
18	10	3.8	3.7					81	74	42	63	16
19	10	3.6	3.6					81	82	40	62	16
20	9	3.2	3.6					80	91	42	61	16
21	8	3.1	3.6					80	89	45	61	16
22	7.5	3.2	3.4					79	86	46	61	16
23	6	3.2	3.4					78	89	44	60	16
24	5.5	3.1	3.4					78	87	42	60	16
25	4.9	3.0	3.4					77	87	39	60	16
26	4.6	2.6	3.4					76	85	33	59	12
27	4.3	2.5	4					40	85	22	59	8
28	3.8	2.4	5					5.5	86	12	58	7.5
29	3.3	2.3	5.5					5	42	12	58	7.5
30	3.4	2.2	5.5					4.5	7	24	58	7.5
31	3.1	-	5					4	-	50	57	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	146.3	10	0.6	4.72	290
November	106.3	5.5	2.2	3.54	211
December	100.3	5.5	1.8	3.24	199
Calendar year 1935	5,544.6	86	.6	15.2	11,000
January	93	-	-	3.0	184
February	87	-	-	3.0	173
March	93	-	-	3.0	184
April	120	-	-	4.0	238
May	1,198.6	84	1.8	38.7	2,380
June	1,512.6	91	3.1	50.4	3,000
July	1,090.5	63	7	35.2	2,160
August	1,745	67	44	56.3	3,460
September	626.5	56	7.5	20.9	1,240
Water year 1935-36	6,919.1	91	.6	18.9	13,720

Silver Lake outlet near Kirkwood, Calif.

Location.- Water-stage recorder, lat. 38°40', long. 120°3', 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 1936.

Average discharge.- 14 years, 28.7 second-feet.

Extremes.- Maximum discharge during year, 298 second-feet May 14 (gage height, 3.85 feet); minimum, 0.2 second-foot Dec. 9.
1922-36: 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 reservoir gate was closed.

Remarks.- Records excellent except those for periods Nov. 1-10, Jan. 1 to Feb. 27, Mar. 16 to Apr. 15, May 3-10, which were computed on basis of records for Twin Lakes outlet. Storage in Silver Lake was 2,550 acre-feet on Sept. 30, 1935, and 2,920 acre-feet on Sept. 30, 1936. In addition to water released through dam, some water escapes from Silver Lake through porous rock formation. See records for Seepage from Silver Lake near Kirkwood.

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

0.5	0.2	1.4	40	2.8	172
.3	1.0	1.6	57	3.0	194
.7	3.0	1.8	75	3.2	216
.8	6.0	2.0	93	3.4	240
.9	9.5	2.2	111	3.6	265
1.0	14.0	2.4	131	3.8	291
1.2	25	2.6	151		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	64	2.9	0.7			12	27	104	87	44	2.8	1.6
2	62	2.8	.6			11	27	123	84	36	2.6	1.0
3	60	2.7	.5			11	27	200	36	17	1.8	1.8
4	57	2.6	.4			11	26	270	4.2	17	1.8	3.3
5	54	2.5	.5			11	26	270	4.5	15	2.8	3.0
6	52	2.4	.5			12	26	260	3.3	10	2.6	2.2
7	49	2.3	.5			12	28	260	14	7	2.6	1.8
8	46	2.2	.4			12	30	250	68	3.0	2.4	1.0
9	43	2.1	.5			13	35	250	107	2.8	2.6	1.0
10	40	2.0	.5			14	40	250	101	2.8	2.0	48
11	38	2.0	.5			16	45	252	103	2.6	1.6	72
12	35	1.8	.6			18	50	222	134	2.8	1.6	75
13	33	1.2	1.2			19	55	252	72	2.6	2.2	84
14	30	1.2	1.4			21	60	291	15	2.4	2.2	88
15	28	1.2	1.8			22	65	284	42	2.4	2.4	87
16	25	1.2	2.2			22	66	265	151	2.2	2.4	86
17	21	1.6	1.2			23	71	252	156	2.2	1.8	88
18	18	1.8	1.0			23	80	252	166	2.2	1.6	90
19	16	1.8	1.0			24	88	240	161	2.4	2.6	93
20	13	1.6	1.0			24	90	194	140	2.2	3.3	93
21	11	1.4	.9			25	94	172	123	2.2	2.8	92
22	10	1.4	.8			25	98	183	130	1.8	2.2	92
23	8.5	1.4	.8			26	104	210	135	1.6	1.4	92
24	7.5	1.0	.7			26	141	234	134	2.0	1.6	90
25	6.5	1.0	.7			27	166	252	60	2.0	2.0	88
26	5.5	.8	.7			28	178	252	4.2	3.0	2.0	86
27	5	.8	.8			28	178	234	26	2.2	3.0	84
28	4.5	.9	.8			28	161	228	59	1.4	2.6	81
29	3.3	.8	3.0			28	134	172	36	1.8	2.8	80
30	3.3	.8	2.8			28	112	122	41	2.4	2.8	77
31	3.0	-	2.4			28	-	99	-	2.2	2.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	852.1	64	3.0	27.5	1,690
November	50.2	2.9	.8	1.67	100
December	31.4	3.0	.4	1.01	62
Calendar year 1935	12,628.9	278	.4	34.6	25,050
January	155	-	-	5.0	307
February	290	-	-	10	575
March	628	28	11	20.3	1,250
April	2,328	178	26	77.3	4,620
May	6,899	291	99	223	13,680
June	2,397.2	166	3.3	79.9	4,750
July	201.2	44	1.4	6.49	399
August	71.1	3.3	1.4	2.29	141
September	1,782.7	93	1.0	59.4	3,540
Water year 1935-36	15,685.9	291	.4	42.9	31,110

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 half a mile northeast of Silver Lake Dam. Altitude, about 7,200 feet.

Records available.- October 1929 to September 1936.

Extremes.- Maximum discharge during year, 19 second-feet July 3-12; no flow during most of year.
1929-36: Maximum discharge, 25 second-feet June 9, 1930; no flow during most of each year.

Remarks.- Records good except those for May 1-13, which were computed on basis of lake elevation. Staff gage read to hundredths once daily. 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 records for Silver Lake outlet.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								0	0.9	18	13	5
2								0	.8	18	13	5
3								.1	.8	19	13	5
4								.2	.9	19	13	4.8
5								.4	.8	19	13	4.8
6								.5	.9	19	12	4.5
7								.6	3.5	19	12	4.5
8								.7	7.5	19	12	4.5
9								.8	8	19	12	4.5
10								.9	8.5	19	12	4.5
11								1.0	9	19	12	4.1
12								1.1	10	19	11	3.5
13								1.2	11	17	11	2.9
14								1.3	13	17	10	1.9
15								1.3	13	17	10	1.3
16								1.3	14	17	10	1.0
17								1.3	14	17	8.5	.7
18								1.3	14	17	8.5	.6
19								1.3	15	16	8.5	.3
20								1.3	15	16	8.5	.1
21								1.3	15	15	8	.1
22								1.3	15	15	8	0
23								1.2	15	15	7.5	0
24								1.2	15	15	7.5	0
25								1.3	15	15	7	0
26								1.3	16	15	7	0
27								1.3	17	15	6	0
28								1.3	18	15	6	0
29								1.3	18	13	6	0
30								1.0	18	13	5.5	0
31								1.0	-	13	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	1,399.6	18	0	3.83	2,780
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	30.1	1.3	0	.97	60
June	322.6	18	.8	10.8	640
July	519	19	13	16.7	1,030
August	296.5	13	5	9.56	588
September	63.6	5	0	2.12	126
Water year 1935-36	1,231.8	19	0	3.37	2,440

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 1936.

Average discharge.- 12 years, 174 second-feet.

Extremes.- Maximum discharge during year, 1,700 second-feet May 13 (gage height, 4.85 feet); minimum, 32 second-feet Oct. 21.
1924-36: 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 Nov. 21 to Jan. 9, which are fair and were computed on basis of records for South Fork of American River near Kyburz less releases from Twin Lakes. No diversions. Storage in Twin Lakes (capacity, 21,250 acre-feet) and Silver Lake (capacity, 8,900 acre-feet).

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

1.4	22	3.0	270
1.6	35	3.2	332
1.8	54	3.4	410
2.0	78	3.6	512
2.2	106	3.8	644
2.4	138	4.0	810
2.6	174	4.4	1,210
2.8	216	4.8	1,650

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	122	135	65	48	66	156	203	609	406	219	55	82
2	124	143	65	70	69	172	196	860	357	214	57	85
3	120	135	63	86	63	188	203	1,170	385	198	66	78
4	120	132	66	82	64	203	192	1,320	336	192	73	98
5	124	133	66	64	57	203	182	1,190	326	207	81	103
6	91	127	66	58	55	207	182	910	639	216	77	78
7	66	99	66	60	50	214	212	714	1,030	174	78	82
8	63	98	68	64	48	229	279	766	630	167	78	92
9	65	99	68	80	46	270	329	930	568	160	84	92
10	63	98	72	102	47	282	424	1,070	568	154	85	112
11	62	96	104	182	104	276	568	1,090	581	130	63	102
12	57	96	120	103	174	310	652	990	609	116	54	93
13	47	106	74	88	135	322	714	1,180	531	99	60	99
14	52	106	72	128	127	313	820	1,540	420	89	63	103
15	63	108	72	165	114	313	970	1,320	453	91	66	103
16	56	108	74	149	105	329	1,080	1,180	568	111	66	100
17	49	111	74	93	96	350	1,090	1,140	537	108	72	102
18	43	99	74	77	88	329	1,060	1,120	574	105	74	103
19	39	96	78	66	84	343	990	970	595	103	75	105
20	34	106	76	58	82	376	1,040	731	588	103	77	105
21	33	108	74	55	176	415	1,040	706	574	102	73	103
22	34	112	72	54	439	393	1,070	714	537	100	74	102
23	42	115	72	53	282	313	1,050	792	507	96	75	114
24	49	106	72	55	214	276	1,010	900	501	89	77	116
25	52	103	74	55	174	245	960	1,020	424	70	78	111
26	56	106	74	54	156	226	980	920	336	61	81	106
27	56	101	78	53	154	226	920	850	319	60	82	106
28	55	65	74	56	147	224	820	775	357	68	82	108
29	79	64	74	62	145	237	675	609	300	92	82	114
30	112	70	52	56	-	229	586	485	229	100	84	112
31	127	-	50	56	-	212	-	480	-	75	82	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,155	127	33	69.5	4,270
November	3,181	143	64	106	6,310
December	2,249	120	50	72.5	4,460
Calendar year 1935	80,388	1,150	33	220	159,400
January	2,432	182	48	78.5	4,820
February	3,561	439	46	123	7,060
March	8,381	415	156	270	16,620
April	20,499	1,090	182	683	40,660
May	29,051	1,540	480	937	57,620
June	14,785	1,030	229	493	29,330
July	3,869	219	60	125	7,670
August	2,274	85	54	73.4	4,510
September	3,009	116	78	100	5,970
Water year 1935-36	95,446	1,540	33	261	189,300

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 1936.

Average discharge.- 14 years, 28.5 second-feet (including flow over Twin Lakes spillway).

Extremes.- Maximum discharge for outlet during year, 169 second-feet June 25-26 (gage height, 1.91 feet); higher discharge shown for June 19-22 included flow over spillway; minimum, 0.8 second-foot Oct. 11-13.

1922-36: 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 15,200 acre-feet on Sept. 30, 1935, and 16,500 acre-feet on Sept. 30, 1936. Tables include flow over Twin Lakes spillway, which occurred June 19-22 only.

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

0.1	0.4	0.8	31.0	1.5	106
.2	1.5	.9	40	1.6	120
.3	3.8	1.0	50	1.7	135
.4	7.0	1.1	60	1.8	151
.5	11.5	1.2	71	1.9	167
.6	17.0	1.3	82	2.0	185
.7	23.5	1.4	94		

Combined discharge, in second-feet, of Twin Lakes outlet and Twin Lakes spillway, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	119	55	32	1.5	1.5	1.7	3.1	75	70	17	62
2	50	116	55	31	1.5	1.5	1.7	3.8	58	71	27	60
3	50	110	56	31	1.5	1.5	1.5	3.8	40	72	33	57
4	56	110	58	26	1.5	1.5	1.5	4.8	40	87	41	76
5	45	113	58	16	1.5	1.5	1.5	3.3	40	116	40	62
6	1.4	94	58	31	1.5	1.5	1.4	1.7	41	99	44	57
7	3.1	82	58	31	1.5	1.5	1.5	1.7	78	76	45	67
8	8	82	58	31	1.5	1.5	1.5	2.2	77	76	46	70
9	12	83	58	31	1.5	1.5	1.5	2.2	55	76	51	75
10	12	82	75	22	1.5	1.5	2.0	2.4	57	50	42	35
11	9	83	96	17	1.5	1.5	2.2	2.4	60	33	22	1.5
12	.8	88	82	17	1.5	1.5	2.4	2.4	60	28	26	1.5
13	6	95	59	16	1.5	1.5	2.4	43	64	12	30	1.7
14	12	94	71	12	1.5	1.5	2.4	134	99	14	34	1.7
15	12	94	63	1.5	1.5	1.5	2.6	135	153	37	36	1.5
16	12	94	60	1.5	1.5	1.5	2.9	137	123	45	40	1.5
17	12	89	60	1.5	1.5	1.5	2.9	137	105	45	46	1.5
18	12	82	60	1.5	1.5	1.5	2.9	138	138	46	50	1.5
19	12	89	60	1.5	1.5	1.5	2.9	140	185	46	50	1.5
20	13	93	60	1.5	1.5	1.7	2.9	140	208	45	46	1.5
21	18	94	60	1.5	1.5	1.7	2.9	120	203	45	47	1.5
22	26	94	60	1.5	1.5	1.7	3.1	105	174	45	50	14
23	33	89	60	1.5	1.5	1.7	3.1	106	165	42	52	17
24	39	88	60	1.5	1.5	1.7	3.1	120	167	33	53	16
25	42	92	60	1.5	1.5	1.7	3.3	145	169	14	56	12
26	45	93	60	1.5	1.5	1.7	3.3	145	169	15	58	14
27	45	69	60	1.5	1.5	1.7	3.3	145	167	21	58	18
28	60	55	60	1.5	1.5	1.7	3.1	146	167	41	59	23
29	85	58	49	1.5	1.5	1.7	3.1	110	120	56	59	27
30	99	57	40	1.5	-	1.7	3.1	90	71	49	59	28
31	113	-	36	1.5	-	1.7	-	90	-	17	60	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	993.3	113	0.8	32.0	1,970
November	2,681	119	55	89.4	5,320
December	1,865	96	36	60.2	3,700
Calendar year 1935	16,364.7	246	.8	44.8	32,460
January	369.5	32	1.5	11.9	733
February	43.5	1.5	1.5	1.50	86
March	48.9	1.7	1.5	1.58	97
April	73.7	3.3	1.4	2.46	146
May	2,359.8	146	1.7	76.1	4,680
June	3,328	208	40	111	6,600
July	1,522	116	12	49.1	3,020
August	1,377	60	17	44.4	2,730
September	806.9	76	1.5	26.9	1,600
Water year 1935-36	15,468.6	208	.8	42.3	30,680

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 1936.

Average discharge.- 14 years, 95.6 second-feet.

Extremes.- Maximum daily discharge during year, 151 second-feet Sept. 24; minimum, 4.6 second-feet Jan. 15.
1922-36: Maximum daily discharge, 158 second-feet June 18, 1931; no flow at times in most years.

Remarks.- Records excellent except those for period of ice effect, Dec. 14-19, which were estimated. Canal diverts from left bank of South Fork of American River immediately below mouth of Silver Fork of South Fork of American River and 2 miles below Kyburz; water used for power and irrigation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	148	150	78	64	72	67	92	124	135	142	140	144
2	150	150	78	83	72	67	92	124	136	142	139	145
3	149	149	77	96	78	67	92	123	136	141	145	141
4	145	146	80	95	82	67	92	123	135	141	147	143
5	149	150	80	91	82	67	92	124	135	141	149	147
6	117	148	81	86	82	67	92	127	135	141	147	137
7	88	124	82	88	82	67	92	128	130	142	147	137
8	84	125	85	92	82	68	92	128	131	141	145	146
9	84	125	82	96	82	68	92	128	131	141	147	143
10	87	120	83	86	82	68	92	129	131	143	149	149
11	87	116	116	33	82	67	100	133	131	144	146	147
12	88	113	123	8	82	67	102	135	131	144	142	138
13	80	124	80	6.5	82	67	102	134	133	144	145	142
14	79	119	80	7	82	67	103	134	135	144	146	149
15	87	125	80	4.6	82	67	102	134	135	144	146	149
16	87	122	80	17	82	72	102	135	135	144	144	146
17	87	127	80	39	82	90	102	134	135	144	145	145
18	87	115	80	54	82	92	102	134	135	144	147	145
19	86	112	82	66	82	92	102	135	135	144	148	147
20	82	125	84	71	82	92	31	135	139	144	148	148
21	76	125	82	72	82	92	4.9	135	141	146	145	145
22	72	125	80	72	67	92	4.8	136	141	147	145	144
23	72	125	80	72	66	92	4.6	135	141	147	145	149
24	78	122	79	72	67	92	48	135	141	147	145	151
25	78	119	80	72	67	92	102	135	141	147	145	149
26	80	122	80	72	67	92	109	135	141	148	148	145
27	80	116	86	71	67	92	112	135	141	144	148	140
28	78	80	82	72	67	92	112	134	141	131	148	137
29	103	78	99	72	67	92	112	136	141	144	147	143
30	128	83	78	72	-	92	119	136	141	149	147	141
31	141	-	74	72	-	92	-	135	-	149	145	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,037	150	72	98.0	6,020
November	3,680	150	78	123	7,300
December	2,591	123	74	83.6	5,140
Calendar year 1935	39,491	151	16	108	78,350
January	1,974.1	96	4.6	63.7	3,920
February	2,233	82	66	77.0	4,430
March	2,458	92	67	79.3	4,880
April	2,596.3	119	4.6	86.5	5,150
May	4,088	136	123	132	8,110
June	4,089	141	130	136	8,110
July	4,454	149	131	144	8,830
August	4,520	149	139	146	8,970
September	4,332	151	137	144	8,590
Water year 1935-36	40,052.4	151	4.6	109	79,450

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 1936. Published records include diversions by feeder flume.

Average discharge.- 14 years, 27.0 second-feet.

Extremes.- Maximum discharge during year, 388 second-feet Feb. 22 (gage height, 3.45 feet); minimum, 0.1 second-foot Oct. 1.
1922-36: 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, 1933-36.

Remarks.- Records good except those for Dec. 27 to Mar. 16, May 3-8, which were computed on basis of records for nearby streams and are fair. Records include computed flow in feeder flume which diverted just above station to El Dorado Canal Dec. 27 to Mar. 16.

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

0.8	0	2.2	113
1.0	.3	2.4	150
1.2	3	2.6	192
1.4	13	2.8	236
1.6	28	3.0	280
1.8	49	3.2	328
2.0	79	3.5	400

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.2	0.4	0.6	3.0	35	84	81	135	42	16	1.2	0.2
2	.3	.6	.6	6.5	39	91	77	135	38	15	1.0	.3
3	.3	.7	.7	12	33	98	79	140	46	14	1.0	.8
4	.2	.6	.7	14	32	102	73	150	47	14	1.0	.8
5	.2	.6	.7	13	29	105	66	140	44	12	.8	.6
6	.2	.7	.7	9	27	105	66	135	60	11	.8	.6
7	.2	.7	.8	8.5	26	107	76	130	160	10	.8	.4
8	.2	.7	.8	8.5	24	108	93	125	120	11	.8	.3
9	.2	.7	1.0	24	23	119	110	124	99	12	.8	.3
10	.2	.6	.8	68	23	122	131	129	84	15	.8	.2
11	.2	.6	.8	109	64	122	162	133	71	16	.8	.2
12	.4	.6	.8	51	108	127	188	126	60	14	.7	.2
13	.3	.6	1.5	38	96	133	203	126	53	11	.7	.2
14	.6	.5	.8	111	103	131	223	127	49	8	.6	.2
15	2.1	.6	.8	134	91	129	245	115	48	6	.6	.2
16	1.5	.6	.7	123	81	129	251	104	45	5.5	.6	.2
17	.7	1.5	.7	76	67	131	256	98	42	3.8	.5	.2
18	.6	1.2	.7	55	59	129	245	93	39	3.4	.5	.2
19	.6	.8	.7	47	57	129	232	66	35	3.4	.4	.2
20	.5	.6	.7	39	56	133	225	74	32	3.0	.4	.2
21	.4	.6	.7	35	122	137	225	65	30	3.0	.4	.2
22	.4	.7	.7	32	333	133	223	60	27	2.8	.4	.2
23	.3	1.2	.7	29	235	122	212	57	26	2.6	.4	.2
24	.3	1.0	.6	28	172	113	201	57	24	2.3	.3	.2
25	.3	.8	.6	27	134	99	188	56	22	2.1	.3	.2
26	.3	.8	.8	26	113	89	179	53	19	2.1	.3	.2
27	.3	.7	1.0	24	103	84	170	49	19	1.9	.2	.2
28	.3	.7	1.2	24	94	82	166	50	17	1.9	.2	.2
29	.4	.6	3.2	26	86	96	160	47	17	1.9	.2	.2
30	.4	.6	3.1	24	-	98	144	46	17	1.7	.2	.3
31	.3	-	3.2	24	-	89	-	47	-	1.5	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13.4	2.1	0.2	0.43	27
November	21.6	1.5	.4	.72	43
December	31.4	3.2	.6	1.01	62
Calendar year 1935	13,272.3	304	.1	36.4	26,340
January	1,248.5	134	3.0	40.3	2,480
February	2,465	333	23	85.0	4,890
March	3,476	137	82	112	6,890
April	4,952	256	66	165	9,820
May	3,012	150	46	97.2	5,970
June	1,432	160	17	47.7	2,840
July	227.9	16	1.5	7.35	452
August	17.9	1.2	.2	.58	36
September	8.6	.8	.2	.29	17
Water year 1935-36	16,906.3	333	.2	46.2	33,530

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 1936.

Average discharge.- 14 years, 7.27 second-feet.

Extremes.- Maximum discharge during year, 512 second-feet Feb. 22 (gage height, 3.75 feet); minimum, 0.2 second-foot Aug. 15 to Sept. 2.
1922-36: 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. 1 to Jan. 1, which are fair, and were computed on basis of one discharge measurement and records for Alder Creek near Whitehall, and those for Sept. 12-30, which were interpolated. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				2.0	19	50	35	10	2.7	1.4	0.4	0.2
2				8	24	53	33	9.5	2.6	1.3	.4	.2
3				6.5	16	55	39	9.5	3.7	1.3	.4	.3
4				9.5	14	51	50	9	4.1	1.2	.4	.4
5				8	12	46	42	8	3.7	1.1	.3	.4
6				4.8	10	44	37	7.5	9.5	1.0	.3	.3
7				3.6	9	42	39	6.5	33	1.0	.3	.3
8				3.6	8	39	41	6.5	18	1.0	.3	.3
9				45	7.5	38	39	6	12	1.0	.3	.3
10				63	7	36	40	5	9.5	1.2	.3	.3
11				83	46	34	40	5	8	1.2	.3	.3
12				28	118	33	39	4.8	6.5	1.0	.3	.3
13				22	114	31	38	4.5	5.5	.9	.3	.3
14				103	171	28	36	4.3	5	.8	.3	.3
15				69	91	26	35	4.3	4.3	.7	.2	.3
16				67	71	24	33	3.9	3.9	.6	.2	.3
17				84	54	23	31	3.7	3.7	.5	.2	.3
18				21	42	22	27	3.4	3.2	.5	.2	.3
19				16	43	21	24	3.0	3.0	.5	.2	.3
20				13	49	21	22	3.0	2.7	.5	.2	.3
21				10	135	20	20	2.7	2.4	.5	.2	.3
22				9	347	19	19	2.6	2.2	.5	.2	.3
23				8	164	18	18	2.4	2.1	.4	.2	.3
24				7	91	16	16	2.2	2.0	.4	.2	.3
25				6	67	15	15	2.1	2.0	.4	.2	.3
26				5.5	52	14	13	2.1	1.8	.4	.2	.3
27				5.5	47	14	12	2.1	1.6	.4	.2	.3
28				5	46	15	12	2.6	1.6	.4	.2	.3
29				5	47	31	12	2.6	1.5	.4	.2	.3
30				4.8	-	39	12	3.2	1.5	.4	.2	.3
31				4.6	-	46	-	3.2	-	.4	.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9.3	-	-	0.3	18
November	15.0	-	-	.5	30
December	21.7	-	-	.7	43
Calendar year 1935	3,836.2	194	0.1	10.5	7,610
January	730.4	103	2.0	23.6	1,450
February	1,921.5	347	7	66.3	3,810
March	964	55	14	31.1	1,910
April	869	50	12	29.0	1,720
May	145.2	10	2.1	4.68	288
June	163.3	33	1.5	5.44	324
July	23.3	1.4	.4	.75	46
August	8.0	.4	.2	.26	16
September	9.0	.4	.2	.30	18
Water year 1935-36	4,879.7	347	.2	13.3	9,670

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 1936.

Average discharge.- 11 years (1924-27, 1928-36), 177 second-feet.

Extremes.- Maximum discharge during year, 3,770 second-feet June 7 (gage height, 8.84 feet); minimum, 4.0 second-feet Oct. 1.
1924-36: 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 Feb. 22 to Apr. 24, which are fair and were computed on basis of records for station near Placerville and South Fork of Silver Creek near Ice House. No diversions above station.

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

0.4	2.4	1.8	114	3.5	472
.6	6.5	2.0	144	4.0	634
.8	16.0	2.2	178	4.5	825
1.0	30	2.4	216	5.0	1,060
1.2	46	2.6	256	5.5	1,325
1.4	64	2.8	298	6.0	1,630
1.6	87	3.0	342	7.0	2,330

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	11	18	34	142		380	670	403	189	20	6
2	6	14	20	70	178		360	1,060	390	191	19	6
3	6	14	20	117	141		380	1,470	534	173	17	9
4	5	14	19	164	128		410	1,560	487	160	16	9.5
5	5	19	19	108	127		350	1,190	472	149	15	11
6	5	21	20	76	125		340	825	1,320	138	14	9
7	4.8	32	23	61	125		360	726	2,250	128	14	8
8	4.8	47	27	60	125		430	892	825	121	13	7.5
9	4.5	40	25	141	125		490	1,140	745	103	12	6.5
10	4.5	31	26	370	125		580	1,220	785	100	12	6
11	6.5	26	23	615	316		790	1,240	848	121	12	6
12	12	22	29	285	444		900	1,190	765	94	12	6
13	8.5	21	22	212	338		990	1,350	670	91	11	6.5
14	12	16	29	512	366		1,050	1,530	550	86	10	6.5
15	24	18	27	960	294		1,200	1,110	502	77	9.5	6.5
16	20	19	25	620	252		1,300	1,060	502	71	9	6.5
17	17	27	25	322	222		1,320	1,080	550	66	9	6.5
18	18	27	24	248	204		1,290	1,080	583	58	9	6.5
19	25	25	24	206	196		1,160	825	487	52	9	6
20	23	23	24	174	214		1,160	634	458	50	9	6
21	21	25	22	157	440		1,300	688	430	48	8.5	6
22	19	26	24	147	1,000		1,350	805	403	45	8	6
23	14	32	24	142	600		1,300	938	403	42	8	5.5
24	12	31	22	139	500		1,250	915	378	40	8	5.5
25	12	26	23	138	450		1,110	985	342	38	8	5
26	10	23	24	134	400		1,110	848	298	35	8	5
27	9.5	22	29	128	350		1,040	825	266	31	7.5	5
28	9.5	20	28	131	300		938	707	242	29	7	5
29	10	20	54	139	250		805	472	210	26	7	5
30	11	19	44	131	-		652	444	192	24	6.5	5
31	11	-	38	125	-		-	430	-	22	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	354.8	25	4.2	11.4	704
November	711	47	11	23.7	1,410
December	801	54	18	25.8	1,590
Calendar year 1935	86,560.8	1,380	3.7	237	171,700
January	6,866	960	34	221	13,620
February	8,477	1,000	125	292	16,810
March	12,400	-	-	400	24,600
April	26,095	1,350	340	870	51,760
May	29,909	1,560	430	965	59,320
June	17,290	2,250	192	576	34,290
July	2,598	191	22	83.8	5,150
August	334.0	20	6	10.8	662
September	194.5	11	5	6.48	386
Water year 1935-36	106,030.3	2,250	4.2	290	210,300

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.- December 1921 to September 1936.

Average discharge.- 14 years, 337 second-feet.

Extremes.- Maximum discharge during year, 6,800 second-feet Feb. 22 (gage height, 9.0 feet); minimum, 18 second-feet Oct. 1.
1921-36: 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 1935-36 (gage height, in feet, and discharge, in second-feet)

1.4	19	3.0	244	6.2	1,900
1.6	30	3.4	354	6.6	2,320
1.8	44	3.8	474	7.0	2,780
2.0	64	4.2	620	7.4	3,330
2.2	90	4.6	794	7.8	4,020
2.4	120	5.0	1,005	8.2	4,800
2.6	156	5.4	1,260	8.6	5,720
2.8	198	5.8	1,550		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	34	38	77	388	746	770	1,120	770	409	83	46
2	27	44	38	151	418	770	724	1,440	770	412	82	46
3	29	42	38	249	326	819	770	2,100	923	391	76	51
4	25	37	34	337	304	844	819	2,430	923	365	72	60
5	24	42	33	287	312	819	702	2,100	870	351	70	61
6	23	46	33	191	292	819	681	1,510	1,410	334	69	61
7	22	46	35	143	276	819	724	1,220	3,840	312	65	57
8	22	65	38	154	265	819	870	1,360	1,630	295	63	52
9	22	70	42	474	254	923	978	1,710	1,360	276	61	50
10	22	58	40	997	265	923	1,160	1,900	1,360	249	59	46
11	26	54	41	1,590	567	923	1,440	2,000	1,440	276	59	44
12	50	48	69	746	1,190	978	1,630	1,850	1,510	242	58	42
13	37	46	54	544	1,120	1,000	1,800	2,100	1,260	220	57	42
14	42	38	54	1,640	1,900	978	2,000	2,540	1,160	218	55	42
15	72	44	56	2,780	1,260	978	2,160	1,900	950	211	54	42
16	69	43	54	2,190	1,060	978	2,380	1,800	978	200	53	41
17	54	61	54	1,000	844	1,040	2,430	1,800	978	189	51	40
18	52	60	57	702	724	978	2,320	1,800	1,060	174	48	38
19	55	55	57	582	681	950	2,100	1,630	978	156	47	36
20	63	49	58	484	702	1,040	2,100	1,160	896	151	46	34
21	60	56	56	433	1,490	1,100	2,260	1,190	870	145	46	33
22	56	64	53	394	5,020	1,060	2,320	1,360	794	138	46	32
23	51	64	52	354	2,540	923	2,210	1,550	748	133	45	31
24	45	70	50	334	1,590	819	2,160	1,630	770	129	45	31
25	41	60	51	334	1,160	724	1,850	1,670	681	122	45	30
26	38	53	51	323	978	681	1,900	1,510	620	115	45	29
27	36	50	61	309	896	660	1,800	1,510	563	110	45	29
28	35	48	61	301	819	681	1,590	1,440	540	104	46	29
29	33	43	112	304	746	1,040	1,470	978	481	98	46	29
30	34	40	115	281	-	978	1,190	870	433	91	46	29
31	33	-	101	290	-	923	-	870	-	87	46	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,218	72	20	39.3	2,420
November	1,530	70	34	51.0	3,030
December	1,686	115	33	54.4	3,340
Calendar year 1935	153,127	3,710	19	420	303,700
January	18,975	2,780	77	612	37,640
February	28,387	5,020	254	979	56,300
March	27,733	1,100	660	895	55,010
April	47,308	2,430	681	1,577	93,830
May	50,048	2,540	870	1,614	99,270
June	31,564	3,840	433	1,052	62,610
July	6,703	412	87	216	13,300
August	1,729	83	45	55.8	3,430
September	1,233	61	29	41.1	2,450
Water year 1935-36	218,114	5,020	20	596	432,600

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 1936. July to October 1922 at site 1 mile upstream.

Average discharge.- 12 years (1924-36), 64.6 second-feet.

Extremes.- Maximum discharge during year, 828 second-feet June 7 (gage height, 3.95 feet); minimum, 0.6 second-foot part of Oct. 1, Sept. 26-30.
1924-36: Maximum discharge, 1,620 second-feet Mar. 26, 1928 (gage height, 5.35 feet); minimum, 0.1 second-foot Aug. 21 to Sept. 6, 1931.

Remarks.- Records fair. Discharge for periods of ice effect, Nov. 1 to Dec. 2, Jan. 20-25, 30, Feb. 4-10, computed on basis of weather records and flow of nearby streams. No diversions.

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

0.3	0.3	1.0	33	2.4	236
.4	2	1.2	50	2.6	288
.5	5	1.4	69	2.8	350
.6	9	1.6	91	3.0	416
.7	14	1.8	116	3.4	580
.8	20	2.0	150	3.8	760
.9	26	2.2	190		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0		5	12	26	56	69	226	197	124	17	1.7
2	1.5		5	22	27	58	65	331	194	127	16	1.7
3	1.3		5	33	27	61	66	490	226	121	15	2.0
4	1.2		5	36	26	63	63	567	224	115	14	2.9
5	1.2		5	32	25	67	60	502	236	112	13	7
6	1.2		5	27	23	70	62	360	384	106	12	4.7
7	1.0		5.5	20	22	71	71	300	670	102	12	3.5
8	1.0		6.5	16	21	74	86	350	392	96	10	2.6
9	1.0		6	22	21	78	96	450	347	81	9	2.0
10	1.0		6.5	57	21	82	116	511	369	71	9	1.8
11	1.3		6	74	45	89	154	532	427	70	8.5	1.7
12	2.3		6	51	49	91	197	507	431	64	8	1.5
13	1.8		7	50	47	98	243	598	382	67	8	1.5
14	2.3		12	98	49	102	300	670	337	67	7.5	1.5
15	6		9	91	45	103	363	554	291	66	6	1.5
16	6		8.5	69	41	110	413	523	280	63	6	1.5
17	8		8.5	60	37	118	424	528	300	60	5.5	1.3
18	10		9	56	34	113	409	540	328	53	5	1.3
19	13		9.5	44	33	115	376	454	300	49	4.4	1.2
20	13		9	42	34	126	402	353	274	46	4.1	1.0
21	12		8.5	40	69	136	416	356	258	45	3.8	1.0
22	9.5		8.5	32	122	134	431	402	246	44	3.5	.8
23	7.5		9	30	79	115	427	470	250	43	3.2	.8
24	4.7		9	27	67	99	406	507	243	41	2.9	.8
25	4.4		9	27	65	91	369	528	224	36	2.6	.8
26	4.1		8.5	26	68	84	385	486	197	32	2.6	.6
27	4.1		9	25	67	79	376	482	178	27	2.3	.6
28	3.8		10	25	61	79	312	409	160	24	2.0	.6
29	3.8		12	25	55	80	263	277	137	22	1.8	.6
30	3.8		12	25	-	78	219	238	124	19	1.8	.6
31	3.2		12	24	-	71	-	222	-	18	1.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	136.0	13	1.0	4.39	270
November	210	-	-	7.0	417
December	246.5	12	5	7.95	489
Calendar year 1935	28,029.4	584	.6	76.8	55,600
January	1,218	98	12	39.3	2,420
February	1,306	122	21	45.0	2,590
March	2,791	136	56	90.0	5,540
April	7,639	431	60	255	15,150
May	13,723	670	222	443	27,220
June	8,606	670	124	287	17,070
July	2,011	127	18	64.9	3,990
August	218.2	17	1.7	7.04	433
September	51.1	7	.6	1.70	101
Water year 1935-36	38,155.8	670	.6	104	75,690

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, 1½ miles above Jaybird Creek, and 10 miles northeast of Placerville. Altitude, about 2,450 feet.

Records available.- October 1922 to September 1936.

Average discharge.- 14 years, 3.26 second-feet.

Extremes.- Maximum daily discharge during year, 76 second-feet Feb. 12, 13; no flow for several months.
1922-36: Maximum discharge, 106 second-feet Mar. 21, 1925 (gage height, 2.60 feet); no flow for periods nearly every year.

Remarks.- Records good. Staff gage read to hundredths twice daily. Water is diverted into Finnon Reservoir from One Eye and Slab Creeks. Flow from reservoir used by Pacific Gas & Electric Co. for power development.

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

0	0		
.1	1.5	0.9	25.5
.2	3	1.0	29.5
.3	5.5	1.2	38.5
.4	8.5	1.4	47.5
.5	11.5	1.6	56.5
.6	14.5	1.e	66
.7	18	2.0	76
.8	21.5		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	2.8	0.6	3.0	17	11	6.5	8.5	8.5	4.0	3.0	3.0
2	0	0	5	3.0	21	24	9	8.5	8.5	4.0	3.0	3.0
3	0	0	.6	3.0	5	.3	13	8.5	8.5	4.0	3.0	3.0
4	0	2.8	5	3.0	5	3.2	21	7.5	8.5	4.0	3.0	3.0
5	0	2.8	.6	3.0	5	5	17	4.8	8.5	0	3.0	3.0
6	0	2.e	5	3.0	4.0	5	9	4.8	8.5	4.0	3.0	3.0
7	0	2.e	.6	3.0	4.0	5	9	4.8	8.5	4.0	3.0	3.0
8	0	2.8	.6	3.0	4.0	5	9	4.8	8.5	4.0	3.0	3.0
9	0	0	5	8	4.0	5	9	0	8.5	4.0	3.0	3.0
10	0	0	.6	38	4.0	5	9	0	8.5	4.0	3.0	3.0
11	0	2.8	.6	22	22	5	9	7	8.5	4.0	3.0	3.0
12	0	2.8	.6	7.5	76	4.3	9	7	8.5	0	3.0	2.4
13	0	2.8	.6	22	76	11	9	7	8.5	4.0	3.0	2.4
14	0	2.8	5	22	43	1.2	9	6	3.2	4.0	3.0	2.4
15	2.0	2.8	.6	16	30	1.2	8.5	8.5	6.5	4.0	3.0	2.4
16	2.0	0	29	0	62	1.2	8.5	2.5	18	4.0	3.0	2.4
17	2.8	0	10	0	43	2.5	8.5	0	30	4.0	3.0	2.4
18	2.8	4.4	0	32	30	3.0	8.5	6.5	7.5	0	3.0	2.4
19	0	.6	0	0	16	3.0	8.5	8.5	0	0	3.0	2.4
20	0	.6	0	0	11	3.0	8.5	8.5	0	3.5	3.0	2.4
21	2.8	.6	0	0	57	3.0	8.5	8.5	0	3.5	3.0	2.4
22	2.8	5	0	2.8	43	3.0	8.5	8.5	6.5	3.5	3.0	2.4
23	2.8	.6	0	1.4	30	3.0	8.5	2.1	0	3.5	3.0	2.4
24	2.8	.6	0	1.5	30	3.0	8.5	0	6	3.5	3.0	2.4
25	2.e	5	0	1.0	30	3.0	8.5	6.5	e.5	3.5	3.0	2.4
26	0	.6	0	0	16	4.6	8.5	8.5	8.5	3.5	3.0	2.4
27	0	5	0	0	11	6	8.5	8.5	4.2	3.0	3.0	2.4
28	2.8	.6	0	0	11	6	8.5	8.5	4.7	3.0	3.0	2.4
29	2.8	.6	0	0	11	6	8.5	8.5	4.7	3.0	3.0	2.4
30	2.8	.6	0	0	-	6	8.5	8.5	4.7	3.0	3.0	2.4
31	2.8	-	0	0	-	6	-	8.5	-	3.0	3.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34.8	2.e	0	1.12	69
November	55.6	5	0	1.85	110
December	70.0	29	0	2.26	139
Calendar year 1935	811.5	46	0	2.22	1,610
January	198.2	38	0	6.39	393
February	721.0	76	4.0	24.9	1,430
March	153.5	24	.3	4.95	304
April	283.5	21	6.5	9.45	562
May	190.3	8.5	0	6.14	377
June	223.5	30	0	7.45	443
July	99.5	4.0	0	3.21	197
August	93.0	3.0	3.0	3.00	184
September	78.6	3.0	2.4	2.62	156
Water year 1935-36	2,201.5	76	0	6.02	4,360

American River flume near Camino, Calif.

(Formerly published as 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 1936.

Average discharge.- 14 years, 87.3 second-feet.

Extremes.- Maximum daily discharge during year, 116 second-feet several days in October, January, and July; no flow at times.
1922-36: Maximum 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	107	115	0	111	111	86	1.9	107	109	116	109	109
2	112	114	0	112	100	96	20	108	109	116	110	107
3	112	112	0	114	74	64	47	108	108	116	107	110
4	114	108	0	112	97	0	68	106	109	115	106	110
5	104	111	0	114	111	0	91	106	108	116	107	110
6	111	107	0	114	111	0	98	106	108	116	109	110
7	89	107	0	114	109	0	100	107	107	115	109	111
8	113	105	0	114	39	0	101	108	108	114	107	111
9	99	112	0	116	18	28	99	108	112	114	108	111
10	110	112	0	112	85	54	97	108	115	115	108	110
11	110	109	0	109	94	41	99	108	115	115	109	111
12	115	106	0	73	41	0	102	108	114	116	110	111
13	115	88	0	.8	21	0	99	108	114	112	106	110
14	100	61	0	0	25	0	96	108	114	108	106	109
15	116	28	4.0	0	22	0	97	108	114	106	107	109
16	116	3.2	52	0	19	0	99	108	114	105	109	109
17	115	0	94	0	18	0	86	108	114	104	103	108
18	114	0	100	0	16	0	91	108	114	103	103	108
19	116	0	102	0	15	0	89	108	114	102	102	107
20	115	0	104	0	62	0	92	108	114	108	104	107
21	108	0	108	0	74	0	92	108	113	112	107	106
22	116	0	101	0	48	0	97	109	114	112	108	108
23	108	0	104	0	0	0	95	109	114	113	108	106
24	113	0	101	0	0	0	98	109	114	115	108	102
25	108	0	92	46	0	0	106	109	114	114	108	107
26	113	0	106	91	0	0	106	109	113	112	108	107
27	110	0	109	107	0	0	106	109	114	111	108	107
28	96	0	111	113	0	0	107	66	114	112	108	105
29	105	0	115	116	33	0	107	54	114	111	108	104
30	107	0	114	114	-	0	107	52	115	110	108	103
31	116	-	110	114	-	0	-	75	-	109	107	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,403	116	89	110	6,750
November	1,498.2	115	0	49.9	2,970
December	1,627.0	115	0	52.5	3,230
Calendar year 1935	29,725.1	119	0	81.4	58,940
January	2,016.8	116	0	65.1	4,000
February	1,343	111	0	46.3	2,660
March	369	96	0	11.9	732
April	2,693.9	107	1.9	89.8	5,340
May	3,161	109	52	102	6,270
June	3,373	115	107	112	6,690
July	3,463	116	102	112	6,870
August	3,325	110	102	107	6,600
September	3,243	111	102	108	6,430
Water year 1935-36	29,515.9	116	0	80.6	58,540

Clear Lake at Lakeport, Calif.

Location.- Staff gage, lat. 39°3'0", long. 122°55'0", 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 (general adjustment of 1929).

Drainage area.- 420 square miles including water surface of lake (65 square miles).

Records available.- February 1913 to September 1936.

Extremes.- Maximum gage height during year, 8.20 feet Feb. 25-28; minimum, 2.50 feet Sept. 30.
1913-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.10	2.85	2.78	2.95	5.37	8.10	6.77	6.88	6.20	5.50	4.35	3.20
2	3.10	2.80	2.78	2.97	5.37	8.00	6.85	6.88	6.20	5.47	4.30	3.15
3	3.10	2.85	2.78	3.05	5.40	7.95	6.85	6.88	6.17	5.42	4.27	3.10
4	3.10	2.85	2.78	3.05	5.40	7.87	7.02	6.88	6.15	5.40	4.20	3.07
5	3.10	2.85	2.78	3.10	5.40	7.80	6.97	6.88	6.15	5.35	4.20	2.95
6	3.10	2.80	2.78	3.10	5.40	7.67	7.00	6.88	6.15	5.30	4.15	2.92
7	3.10	2.80	2.78	3.12	5.40	7.57	7.00	6.85	6.25	5.27	4.15	2.90
8	3.07	2.80	2.78	3.22	5.40	7.56	7.07	6.80	6.20	5.25	4.10	2.90
9	3.07	2.80	2.80	3.35	5.40	7.40	7.07	6.80	6.20	5.20	4.05	2.87
10	3.07	2.80	2.80	3.45	5.40	7.30	7.10	6.77	6.20	5.15	4.00	2.87
11	3.07	2.80	2.80	3.80	5.50	7.22	7.12	6.75	6.20	5.10	3.95	2.87
12	3.07	2.80	2.85	3.97	5.80	7.12	7.15	6.75	6.20	5.07	3.90	2.87
13	3.05	2.80	2.85	4.10	6.20	7.00	7.15	6.75	6.15	5.05	3.90	2.82
14	3.05	2.80	2.85	4.17	6.47	7.00	7.15	6.67	6.10	5.00	3.85	2.80
15	3.00	2.80	2.85	4.40	6.60	6.95	7.15	6.65	6.10	4.97	3.80	2.80
16	3.00	2.80	2.85	4.77	6.87	6.87	7.15	6.65	6.05	4.95	3.80	2.77
17	3.00	2.80	2.85	4.95	6.90	6.77	7.15	6.62	6.00	4.90	3.80	2.75
18	2.97	2.80	2.85	5.07	7.30	6.72	7.10	6.62	5.95	4.85	3.75	2.75
19	2.97	2.80	2.85	5.17	7.30	6.72	7.10	6.62	5.92	4.80	3.70	2.72
20	2.97	2.80	2.85	5.20	7.30	6.72	7.10	6.62	5.92	4.77	3.65	2.70
21	2.95	2.80	2.85	5.22	7.55	6.72	7.10	6.55	5.90	4.75	3.65	2.67
22	2.92	2.80	2.85	5.22	7.77	6.72	7.10	6.45	5.87	4.70	3.60	2.62
23	2.90	2.80	2.85	5.25	7.90	6.72	7.10	6.40	5.80	4.70	3.55	2.60
24	2.87	2.78	2.85	5.30	8.00	6.72	7.10	6.40	5.77	4.67	3.50	2.60
25	2.85	2.78	2.85	5.32	8.20	6.72	7.00	6.35	5.75	4.60	3.42	2.60
26	2.85	2.78	2.85	5.32	8.20	6.75	6.95	6.35	5.70	4.60	3.37	2.60
27	2.85	2.78	2.87	5.32	8.20	6.75	6.92	6.35	5.65	4.52	3.32	2.55
28	2.85	2.78	2.87	5.35	8.20	6.75	6.92	6.35	5.60	4.50	3.32	2.55
29	2.85	2.78	2.87	5.35	8.12	6.67	6.92	6.27	5.57	4.45	3.30	2.52
30	2.85	2.78	2.92	5.37	-	6.67	6.92	6.27	5.52	4.40	3.27	2.50
31	2.85	-	2.92	5.37	-	6.70	-	6.20	-	4.37	3.27	-

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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 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 1936.

Average discharge.- 33 years, 488 second-feet.

Extremes.- Maximum discharge during year, 15,200 second-feet Feb. 22 (gage height, 21.53 feet); no flow for several months.
1903-36: 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. Numerous irrigation diversions above station; storage at Clear Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				0	44	3,500	677	56	0			
2				0	42	3,340	307	51	0			
3				0	40	3,180	256	25	0			
4				0	35	3,020	3,090	4.0	0			
5				40	31	2,940	2,470	0	0			
6				10	27	2,860	1,250	0	0			
7				0	25	2,700	557	0	0			
8				0	22	2,630	427	0	0			
9				0	20	2,560	362	0	0			
10				717	16	2,490	299	0	0			
11				2,100	50	2,420	263	0	0			
12				2,130	2,280	2,420	221	0	0			
13				664	4,140	2,350	191	0	0			
14				736	3,360	1,900	165	0	0			
15				960	3,500	1,550	125	0	0			
16				2,400	3,990	1,460	99	0	4.1			
17				1,770	5,830	1,430	87	0	.8			
18				860	7,900	932	134	0	.1			
19				535	5,340	534	128	0	0			
20				376	4,060	419	119	0	5.5			
21				283	5,580	338	128	0	11			
22				223	12,000	284	221	0	19			
23				182	6,940	256	249	0	20			
24				149	5,420	235	296	0	8			
25				124	5,740	198	530	0	.1			
26				101	4,700	174	674	0	0			
27				86	4,220	152	406	0	0			
28				72	3,900	134	140	0	0			
29				64	3,660	131	101	0	0			
30				48	-	155	78	0	0			
31				46	-	722	-	0	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	110,777.5	7,980	0	304	219,700
January	14,676	2,400	0	473	29,110
February	92,912	12,000	16	3,204	184,300
March	47,414	3,500	131	1,529	94,040
April	14,050	3,090	78	468	27,870
May	136.0	56	0	4.39	270
June	68.6	20	0	2.29	136
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	169,256.6	12,000	0	462	335,700

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 1936.

Extremes.- Maximum discharge during year, 7,480 second-feet Feb. 21 (gage height, 8.45 feet); no flow Oct. 1-5.
1930-36: Maximum discharge, about 14,300 second-feet Dec. 26, 1931 (gage height, 9.65 feet); no flow at times each year.

Remarks.- Records good; discharge interpolated Oct. 6-31. Several small diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.5	1.3	5S	103	592	21S	8S	37	14	1.7	0.4
2	0	.S	1.3	204	91	515	179	88	42	13	1.7	.6
3	0	.7	1.6	199	82	456	354	85	46	12	1.5	.9
4	0	.7	1.6	104	77	401	1,210	79	42	12	1.5	.9
5	0	.7	1.6	85	73	360	607	74	37	11	1.4	.9
6	.1	.7	1.6	67	71	321	426	70	52	9.5	1.4	.9
7	.1	.7	1.6	54	69	292	337	69	164	9	1.2	.7
8	.1	.7	1.9	73	64	268	292	65	104	9.5	1.1	.6
9	.1	.7	1.6	927	60	245	259	62	69	12	1.1	.6
10	.1	.7	1.9	1,000	60	227	231	60	55	12	1.2	.4
11	.1	.7	3.4	2,910	257	212	210	57	46	12	1.4	.4
12	.2	.7	11	619	2,480	201	196	55	42	9.5	1.2	.4
13	.2	.7	21	694	3,620	190	179	54	40	9	1.1	.4
14	.3	.S	15	926	1,740	179	166	55	40	7	1.1	.4
15	.4	.8	10	2,810	1,440	166	156	54	37	7	.9	.4
16	.4	.8	9	2,390	2,320	158	146	50	35	6.5	.9	.4
17	.4	.8	7.5	1,160	1,910	153	142	48	34	6	.9	.4
18	.4	.8	7.5	637	2,090	144	134	46	31	6	.7	.3
19	.4	.8	7	451	1,310	134	125	44	28	5.5	.7	.3
20	.4	.8	6	34S	1,150	130	121	43	27	4.9	.9	.1
21	.4	.9	6	281	3,830	127	119	42	26	4.4	.9	.1
22	.4	1.0	6	234	3,190	121	117	39	25	4.4	.9	.1
23	.4	1.0	6	206	2,440	119	110	37	23	3.8	.7	.1
24	.4	1.0	6	180	2,040	116	102	35	22	3.8	.7	.1
25	.4	1.0	6	161	1,600	112	98	34	20	3.3	.6	.1
26	.4	1.0	6	146	1,140	107	94	34	19	3.3	.6	.1
27	.4	1.0	8	131	979	105	92	35	18	2.8	.4	.1
28	.4	1.0	11	121	824	123	90	42	17	2.2	.4	.1
29	.4	1.3	13S	108	697	144	94	43	16	2.2	.4	.1
30	.5	1.3	87	101	-	179	96	40	15	1.7	.4	.1
31	.5	-	80	96	-	384	-	39	-	1.7	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8.3	0.5	0	0.27	16
November	25.1	1.3	.5	.84	50
December	473.4	138	1.3	15.3	939
Calendar year 1935	51,544.9	1,240	0	141	102,200
January	17,481	2,910	54	564	34,670
February	35,807	3,830	60	1,235	71,020
March	6,981	592	105	225	13,850
April	7,000	1,210	90	233	13,880
May	1,666	88	34	53.7	3,300
June	1,209	164	15	40.3	2,400
July	221.0	14	1.7	7.13	438
August	30.0	1.7	.4	.97	60
September	11.4	.9	.1	.38	23
Water year 1935-36	70,913.2	3,830	0	194	140,600

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 1936.

Extremes.- Maximum discharge during year, 17,000 second-feet Feb. 21 (gage height, 16.80 feet); minimum, 1.8 second-feet Sept. 8 (gage height, 1.01 feet).
1904-6, 1930-36: Maximum discharge, 24,600 second-feet Mar. 10, 1904 (gage height, 20.1 feet, former datum); minimum, 0.6 second-foot Sept. 30, Oct. 4, 1932.

Remarks.- Records excellent for low and medium stages, good for high stages. Small diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.9	3.3	2.6	29	84	405	190	66	28	13	6.5	5
2	3.2	3.2	2.6	82	77	356	150	64	28	12	6.5	5.5
3	3.2	2.8	2.6	126	71	314	1,170	62	27	12	6	5
4	3.0	2.8	2.6	75	68	278	1,310	59	26	12	5.5	5.5
5	2.9	2.8	2.6	58	66	250	506	56	26	12	5	4.9
6	2.8	2.8	2.7	40	62	228	344	52	29	11	4.9	4.6
7	2.7	2.8	2.7	32	59	210	274	50	77	10	4.9	4.4
8	2.7	2.8	2.7	31	57	194	230	48	72	10	4.8	3.2
9	2.7	2.7	2.6	1,560	55	181	202	45	50	10	6	3.2
10	2.7	2.8	2.6	2,030	55	169	179	42	39	11	4.9	2.9
11	2.9	2.8	2.7	5,100	1,240	159	162	40	34	11	4.9	3.0
12	2.9	2.8	2.7	770	5,320	152	150	39	31	10	5	3.9
13	2.9	2.8	2.5	1,360	3,220	141	138	38	30	9.5	4.8	4.1
14	3.3	2.8	2.5	1,120	2,560	135	128	44	29	10	4.6	3.2
15	3.0	2.9	2.4	2,240	1,900	126	121	41	28	8.5	4.4	4.1
16	2.9	2.9	2.4	1,670	3,040	121	115	37	26	7.5	5.5	4.1
17	2.8	2.8	2.2	710	2,110	116	108	35	25	7.5	4.4	4.1
18	2.8	2.7	2.2	432	2,160	111	103	33	24	7.5	5.5	3.9
19	2.8	2.7	2.1	320	1,190	105	98	32	22	8.5	5.5	3.9
20	2.7	2.8	2.1	252	1,460	100	93	32	22	8.5	5.5	3.9
21	2.6	2.8	2.1	208	8,290	98	90	31	21	7.5	5.5	3.8
22	2.6	3.0	2.2	177	3,510	93	89	29	20	7.5	5	3.8
23	2.6	2.9	2.2	157	2,240	90	86	28	19	7.5	5	3.8
24	2.7	2.9	2.2	141	1,740	87	82	27	18	7.5	4.9	3.8
25	2.8	2.9	2.2	130	1,700	86	77	26	17	7.5	4.9	3.6
26	2.8	2.8	2.3	116	1,040	82	73	26	16	7.5	4.8	3.4
27	2.7	2.7	2.4	107	792	79	70	26	16	7.5	4.9	3.5
28	2.7	2.8	2.6	99	610	80	68	33	16	7	4.9	3.5
29	2.6	2.9	96	92	491	108	76	35	14	7	4.9	3.5
30	2.7	2.8	43	86	-	211	71	31	13	6.5	4.9	3.5
31	2.8	-	44	83	-	441	-	29	-	6.5	4.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	87.4	3.3	2.6	2.82	173
November	85.3	3.3	2.7	2.84	169
December	251.3	96	2.1	8.11	498
Calendar year 1935	67,915.6	3,770	2.0	186	134,700
January	19,433	5,100	29	627	38,540
February	45,267	8,290	55	1,561	89,790
March	5,306	441	79	171	10,520
April	6,553	1,310	68	218	13,000
May	1,236	66	26	39.9	2,450
June	843	77	13	28.1	1,670
July	281.0	13	6.5	9.06	557
August	159.7	6.5	4.4	5.15	317
September	118.6	5.5	2.9	3.95	236
Water year 1935-36	79,621.3	8,290	2.1	218	157,900

Putah Creek near Winters, Calif.

Location.- Water-stage recorder, lat. 38°31'0", long. 122°5'0", 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 1936. Records 1905-31 for station at Winters, 6 miles downstream, are comparable except for very low stages.

Extremes.- Maximum discharge during year, 33,000 second-feet Feb. 21 (gage height, 22.85 feet); minimum, 2.2 second-feet Nov. 17.
1930-36: Maximum discharge, 34,200 second-feet Mar. 6, 1935 (gage height, 23.20 feet); minimum, 0.3 second-foot Aug. 23, 24, 26, 27, 1931. Discharge of 60,000 second-feet recorded Dec. 31, 1913, at former site.

Remarks.- Records good. Several small irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.5	5.5	9	46	138	1,160	582	153	61	22	9.5	6
2	6	7	9	49	140	985	372	148	57	22	8.5	6.5
3	6.5	9	9	63	131	880	667	145	56	20	9	7
4	6.5	8	9	158	118	800	4,140	140	51	17	8.5	7.5
5	6.5	7.5	8.5	113	110	705	1,460	133	55	15	7.5	7
6	6.5	6.5	8.5	96	106	635	900	123	57	15	7.5	7
7	6	4.8	8.5	75	101	600	688	116	65	13	8	7
8	6	3.7	9	66	96	550	565	112	97	12	8	6.5
9	6	3.3	8.5	1,510	93	505	490	107	116	13	7	6
10	6	3.2	8.5	1,680	91	460	430	102	91	13	7	5.5
11	6.5	3.3	9	9,510	1,280	415	372	97	76	12	7.5	5
12	7	5	9.5	2,200	12,300	400	348	93	65	12	7.5	5
13	7	3.9	9	1,660	9,280	372	320	89	60	11	7.5	6
14	8	2.9	9	2,190	4,980	360	298	88	58	11	6.5	6.5
15	8.5	2.4	8.5	1,690	4,660	330	277	89	56	11	6	6.5
16	8	2.2	8.5	4,330	5,630	315	260	88	53	8.5	6.5	6.5
17	7	2.9	8.5	1,600	4,970	305	244	82	51	7.5	6	6.5
18	6.5	4.6	8.5	940	8,750	293	234	75	46	8	6	6.5
19	6	7	8.5	680	3,370	282	220	73	43	9.5	6	6
20	6.5	5.5	8.5	540	2,440	271	210	69	39	11	6	6
21	6	6	8.5	435	14,200	262	202	67	36	10	7	5.5
22	5.5	8	8.5	355	12,700	249	199	65	36	9	7.5	5
23	5.5	8.5	8.5	308	6,280	234	194	61	34	11	7.5	4.6
24	5.5	9	8.5	269	3,710	230	185	57	32	11	7.5	4.1
25	6	8.5	9	242	5,060	224	175	55	30	11	7	3.7
26	6	8.5	9	216	2,730	214	165	53	28	10	6.5	3.4
27	6.5	8.5	9.5	194	2,040	200	158	52	26	11	6	3.2
28	6.5	8	10	178	1,660	195	152	56	26	11	6.5	4.5
29	6.5	8.5	14	166	1,360	200	152	57	25	11	6.5	4.8
30	6	9	13	150	-	242	153	67	24	11	6	5.5
31	5.5	-	48	140	-	607	-	65	-	10	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	198.0	8.5	5.5	6.39	393
November	180.7	9	2.2	6.02	358
December	321.5	48	8.5	10.4	638
Calendar year 1935	172,381.0	15,000	2.2	472	341,900
January	31,849	9,510	46	1,027	63,170
February	106,524	14,200	91	3,742	215,300
March	13,680	1,160	195	441	27,130
April	14,812	4,140	152	494	29,380
May	2,777	153	52	89.6	5,510
June	1,550	116	24	51.7	3,070
July	379.5	22	7.5	12.2	753
August	220.0	9.5	6	7.10	436
September	170.8	7.5	3.2	5.69	339
Water year 1935-36	174,662.5	14,200	2.2	477	346,500

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 1936.

Extremes.- Maximum discharge during year, 3,310 second-feet Feb. 21 (gage height, 9.5 feet); no flow for several months.
1930-36: Maximum discharge, that of Feb. 21, 1936; no flow for several months each year.

Remarks.- Records good except those for Dec. 26 to Jan. 11, when discharge was computed on basis of precipitation records and records for North Fork of Cache Creek near Lower Lake and Putah Creek near Guenoc and near Winters. Small diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0.5	5	10	88	25	10	3.0			
2		0	.6	20	9.5	73	23	11	3.3			
3		0	.6	15	9	65	168	11	3.3			
4		0	.6	10	8.5	57	178	10	3.6			
5		0	.6	8	8.5	49	65	9	3.3			
6		0	.6	7	8	45	46	8.5	4.2			
7		0	.7	6	8	41	38	7.5	9			
8		0	.8	30	7.5	39	33	7	7			
9		0	.8	300	7.5	35	30	6.5	4.8			
10		0	.8	250	8	33	27	5.5	4.2			
11		0	.8	190	186	30	25	5.5	3.3			
12		0	1.4	65	900	29	22	5.5	2.7			
13		0	1.6	218	510	27	21	5.5	3.3			
14		0	1.2	155	340	26	20	6	3.6			
15		0	.8	217	259	24	18	5.5	3.6			
16		0	.8	160	351	22	16	4.8	3.3			
17		.1	.8	73	456	22	16	4.2	2.4			
18		.1	.8	46	541	21	15	3.9	1.8			
19		.2	.8	33	253	20	14	3.9	1.4			
20		.2	.7	25	319	18	14	3.6	1.3			
21		.3	.7	20	1,450	19	13	3.3	.4			
22		.3	.7	18	721	18	13	3.0	0			
23		.4	.7	16	480	17	13	2.4	0			
24		.4	.7	14	410	17	12	2.1	0			
25		.5	.7	14	382	17	11	2.4	0			
26		.5	.7	12	244	16	10	3.0	0			
27		.5	1.0	12	183	16	10	3.6	0			
28		.4	.8	12	142	16	11	4.2	0			
29		.4	15	10	109	22	11	3.9	0			
30		.5	7	10	-	33	11	3.9	0			
31		-	5	10	-	40	-	3.3	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	4.8	.5	0	.16	9.5
December	49.3	15	.5	1.59	98
Calendar year 1935	11,472.0	758	0	31.4	22,760
January	1,981	300	5	63.9	3,930
February	8,320.5	1,450	7.5	287	16,500
March	995	68	16	32.1	1,970
April	929	178	10	31.0	1,840
May	169.5	11	2.1	5.47	336
June	72.8	9	0	2.43	144
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	12,521.9	1,450	0	34.2	24,030

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 1936.

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 contents shows storage available for release. Record of daily gage heights furnished by Pacific Gas & Electric Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58,620	54,950	48,660	47,070	74,060	76,530	83,560	91,870	93,030	91,180	82,030	70,460
2	58,440	54,610	48,340	48,980	73,860	76,530	83,340	92,330	93,030	90,950	81,820	70,060
3	58,260	54,270	48,020	51,910	73,660	76,320	83,770	92,800	92,800	90,720	81,390	69,670
4	58,090	54,100	47,710	53,250	73,660	76,120	86,870	93,030	92,800	90,490	81,170	69,280
5	57,740	53,930	47,390	54,780	73,460	75,700	87,990	93,260	92,800	90,260	80,740	68,880
6	57,380	53,580	47,070	55,640	73,460	75,700	88,220	93,490	92,800	88,800	80,310	68,490
7	57,030	53,250	46,920	55,810	73,260	75,700	88,220	93,490	93,960	89,580	79,890	68,100
8	56,660	52,920	46,760	56,160	73,260	75,500	88,220	93,720	94,430	89,350	79,470	67,720
9	56,680	52,750	46,450	63,540	73,260	75,300	88,220	93,720	94,430	89,120	79,260	67,330
10	56,680	52,750	46,140	72,040	73,260	75,500	88,220	93,960	94,200	88,890	79,040	66,950
11	56,680	52,750	45,830	85,090	73,660	76,120	88,220	93,960	94,200	88,670	78,200	66,560
12	56,680	52,750	46,760	80,740	78,410	76,530	87,990	93,960	93,960	88,440	77,990	66,180
13	56,680	52,750	46,760	80,310	82,460	77,360	87,770	94,200	93,960	88,220	77,780	65,800
14	56,680	52,580	46,760	82,460	80,740	78,200	87,320	94,200	93,960	87,990	77,360	65,420
15	56,680	52,580	46,610	86,870	79,890	78,620	87,540	94,200	93,720	87,770	76,950	65,420
16	56,860	52,580	46,450	85,090	80,310	79,040	87,770	94,200	93,720	87,320	76,530	65,420
17	56,860	52,580	46,140	79,890	80,310	79,260	87,770	93,960	93,720	87,090	76,120	65,420
18	56,860	52,410	45,830	77,360	79,890	79,470	87,770	93,960	93,720	86,870	75,700	65,420
19	56,860	52,410	45,520	76,320	78,830	79,890	87,770	93,960	93,720	86,420	75,300	64,660
20	56,860	52,250	45,220	75,700	78,410	79,890	87,770	93,960	93,490	85,980	74,880	64,280
21	56,860	51,750	44,920	74,880	83,120	80,100	88,220	93,720	93,490	85,760	74,470	63,910
22	56,860	51,580	44,610	74,680	85,760	80,310	88,440	93,720	93,260	85,540	74,060	63,540
23	56,680	51,250	44,310	74,470	82,900	80,310	88,890	93,720	93,260	85,090	73,660	63,170
24	56,680	50,920	44,000	74,060	80,310	80,310	89,120	93,720	93,030	84,650	73,260	62,800
25	56,680	50,600	43,700	74,060	79,040	80,310	89,580	93,720	92,800	84,430	72,850	62,420
26	56,680	50,270	43,410	74,470	78,200	80,530	89,800	93,720	92,560	83,990	72,450	62,060
27	56,680	49,950	43,410	75,090	77,360	80,740	90,030	93,490	92,330	83,770	72,040	61,690
28	56,330	49,620	43,260	74,680	77,160	81,170	90,490	93,490	92,560	83,340	71,850	61,320
29	55,990	49,300	44,460	74,680	76,950	81,600	90,950	93,490	91,870	83,120	71,650	60,960
30	55,640	48,980	45,370	74,680	-	82,030	91,400	93,260	91,400	82,680	71,250	60,590
31	55,290	-	46,450	74,270	-	83,340	-	93,260	-	82,460	70,850	-

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 1936.

Average discharge.- 13 years (1923-36), 360 second-feet.

Extremes.- Maximum discharge during year, 15,600 second-feet Jan. 15 (gage height, 16.90 feet); minimum, 13 second-feet Oct. 19-23.
1922-36: 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. Discharge Oct. 15-21 based on record of needle-valve operation at Scott Dam. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	131	163	163	72	452	1,830	552	41	167	169	163	185
2	58	154	163	66	402	1,750	552	41	167	161	163	189
3	105	148	163	26	362	1,680	592	54	149	157	167	189
4	171	129	163	26	330	1,500	768	138	142	159	169	180
5	171	146	161	26	310	1,210	815	127	142	159	169	174
6	171	154	161	57	292	1,090	840	127	144	159	174	174
7	113	154	159	94	277	1,030	840	127	200	159	178	174
8	25	127	159	92	263	948	840	120	377	159	178	174
9	22	18	152	47	252	768	840	128	348	153	178	176
10	22	16	146	654	243	572	838	149	289	145	178	187
11	22	16	140	6,540	356	371	838	165	242	145	178	189
12	22	16	125	4,400	2,630	277	810	178	205	147	176	198
13	22	33	109	3,810	4,800	246	810	194	182	159	176	189
14	22	49	134	5,400	3,830	274	683	212	169	159	176	63
15	15	49	136	10,200	3,200	298	466	207	157	163	176	18
16	14	49	152	9,330	3,470	323	470	194	147	169	174	17
17	14	49	159	4,700	3,650	339	470	180	138	167	174	26
18	14	49	159	2,840	3,290	352	474	169	117	167	174	149
19	13	81	163	1,910	2,750	362	470	155	116	167	174	196
20	13	161	165	1,400	2,480	368	307	147	116	167	174	196
21	13	165	165	1,120	6,050	375	185	144	117	167	178	182
22	13	167	165	920	8,250	378	187	140	135	167	180	178
23	13	167	165	768	5,880	382	189	135	144	167	180	171
24	14	167	165	678	4,300	385	180	132	153	165	180	165
25	20	165	163	456	3,470	286	169	135	161	165	180	165
26	20	163	156	336	2,750	224	169	147	169	165	180	165
27	54	163	148	362	2,390	226	144	171	169	161	167	165
28	167	163	145	382	2,150	232	133	169	169	155	167	174
29	167	163	96	388	2,030	238	117	169	169	159	167	176
30	167	163	41	493	-	249	66	167	169	163	169	176
31	167	-	56	532	-	388	-	167	-	163	178	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,975	171	13	63.7	3,920
November	3,407	167	16	114	6,760
December	4,497	165	41	145	8,920
Calendar year 1935	152,173	5,300	13	417	301,800
January	58,125	10,200	26	1,875	115,300
February	70,909	8,250	243	2,445	140,600
March	18,951	1,830	224	611	37,590
April	14,814	840	66	494	29,380
May	4,529	212	41	146	8,980
June	5,269	377	116	176	10,450
July	4,987	169	145	161	9,890
August	5,395	180	163	174	10,700
September	4,760	198	17	159	9,440
Water year 1935-36	197,618	10,200	13	540	391,900

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 1936. November 1909 to September 1927 at 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.- 13 years (1922-26, 1927-36), 198 second-feet.

Extremes.- Maximum discharge during year, 17,300 second-feet Jan. 15 (gage height, 20.6 feet); minimum, 1.3 second-feet at times October to December and September.
1909-36: 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. Staff gage read twice daily, with extra readings during high water. Water is diverted above station from Van Arsdale Reservoir through tunnel to power plant at Potter Valley, after which part is used for irrigation and remainder flows into East Fork of Russian River. Records show flow passing dam down Eel River. Gage-height record furnished by Pacific Gas & Electric Co.

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

3.2	1	8.0	1,290
3.5	5	9.0	1,860
3.8	23	10.0	2,590
4.1	54	11.0	3,470
4.5	112	12.0	4,460
5.0	212	14.0	6,760
5.5	350	16.0	9,560
6.0	518	18.0	12,760
7.0	876		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.3	2.2	1.4	2.0	335	2,140	501	14	2.9	2.7	1.4	1.4
2	1.3	2.2	1.4	214	262	2,000	484	8	3.0	2.7	1.4	1.4
3	1.3	2.2	1.4	129	201	1,860	656	5.5	3.0	2.7	1.4	1.4
4	1.3	2.2	1.4	148	236	1,610	1,190	4.4	3.0	2.7	1.4	1.4
5	1.3	2.2	1.4	67	179	1,240	1,030	3.8	3.0	14	1.4	1.4
6	1.3	2.2	1.4	2.7	129	1,070	914	3.0	3.0	3.0	1.4	1.4
7	1.3	1.9	1.4	2.7	112	990	876	2.7	93	2.9	1.4	1.4
8	1.3	2.7	1.4	8	101	914	838	2.7	305	2.7	1.4	1.4
9	1.3	6.5	1.4	1,030	90	764	838	2.7	262	2.7	1.4	1.4
10	1.3	14	1.4	1,790	129	433	800	4.2	190	2.4	1.4	1.3
11	1.6	10	1.6	8,720	179	305	764	3.6	138	2.4	1.4	1.3
12	1.9	4.2	148	5,680	3,130	190	800	3.0	96	2.4	1.4	1.4
13	1.9	4.2	3.2	5,560	6,040	138	728	3.8	63	2.4	1.4	1.7
14	2.2	2.4	1.3	8,440	4,900	158	764	27	71	2.4	1.4	2.9
15	2.2	1.3	1.3	12,800	3,860	168	382	62	29	2.4	1.4	2.4
16	2.4	1.3	1.3	11,800	4,790	179	416	71	13	2.4	1.4	2.2
17	2.3	1.3	1.3	6,040	4,460	201	399	107	5	2.4	1.4	2.2
18	2.4	1.3	1.4	3,470	3,860	212	399	53	2.7	2.4	1.4	2.2
19	2.2	1.3	1.4	2,280	3,290	212	433	4.0	2.7	2.4	1.4	2.2
20	2.0	1.3	1.4	1,610	2,930	224	290	3.4	2.7	2.4	1.4	1.6
21	1.9	1.3	1.4	1,190	6,640	224	40	3.2	2.7	2.4	1.4	1.3
22	1.9	1.3	1.3	952	10,700	236	40	3.0	1.4	2.4	1.4	1.5
23	1.9	1.3	1.3	800	7,600	224	59	2.7	1.4	2.4	1.4	1.6
24	2.2	1.3	1.3	656	5,450	224	82	2.7	1.4	2.4	1.4	1.6
25	2.4	1.3	2.7	484	4,060	224	50	2.7	1.4	2.4	1.4	1.6
26	2.4	2.2	2.7	416	3,290	78	224	2.7	2.0	1.4	1.4	1.6
27	2.7	1.4	14	350	2,840	78	190	2.7	2.4	1.4	1.4	1.3
28	2.7	1.4	6	236	2,510	120	42	2.7	2.4	1.4	1.4	1.3
29	2.7	1.4	138	276	2,280	366	6.5	2.7	2.7	1.4	1.4	1.3
30	2.7	1.4	158	399	-	335	16	2.7	2.7	1.4	1.4	1.3
31	2.0	-	48	433	-	350	-	2.7	-	1.4	1.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	59.6	2.7	1.3	1.92	118
November	81.2	14	1.3	2.71	161
December	550.9	158	1.3	17.8	1,090
Calendar year 1935	137,074.0	7,080	1.3	376	271,900
January	75,985.4	12,800	2.0	2,451	150,700
February	84,583	10,700	90	2,917	167,800
March	17,467	2,140	78	563	34,650
April	14,251.5	1,190	6.5	475	28,270
May	419.3	107	2.7	13.5	832
June	1,311.5	305	1.4	43.7	2,600
July	82.9	14	1.4	2.67	164
August	43.4	1.4	1.4	1.40	86
September	48.4	2.9	1.3	1.61	96
Water year 1935-36	194,884.1	12,800	1.3	532	386,600

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 1936.

Average discharge.- 23 years (1911-14, 1916-36), 5,626 second-feet.

Extremes.- Maximum discharge during year, 196,000 second-feet Jan. 16 (gage height, 44.7 feet); minimum, 65 second-feet Sept. 27.
1910-15, 1916-36: Maximum discharge, about 290,000 second-feet Feb. 2, 1915 (gage height, 55.5 feet) from rating curve extended above 114,000 second-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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	90	228	285	14,400	6,400	24,900	8,140	3,260	1,170	643	168	93
2	95	228	275	12,800	5,880	18,400	6,140	2,900	1,120	619	182	93
3	104	219	254	38,400	5,620	17,300	7,840	2,720	960	535	211	89
4	135	187	254	20,100	5,140	15,000	27,700	2,720	1,010	492	203	89
5	129	162	254	29,700	4,900	13,300	20,900	2,560	1,010	478	194	84
6	126	168	245	17,300	4,900	11,600	14,600	2,560	1,060	457	194	75
7	108	175	264	10,900	4,680	10,400	10,400	2,400	2,400	424	182	84
8	104	171	414	8,540	4,460	9,080	9,400	2,240	5,380	457	172	80
9	102	179	1,280	61,100	4,240	8,140	8,440	2,090	6,140	478	172	84
10	99	168	1,340	56,400	4,040	7,540	7,540	2,090	4,040	464	164	82
11	104	165	1,660	140,000	4,240	6,680	6,960	1,950	3,260	450	154	75
12	108	165	18,000	81,800	22,900	5,880	6,680	1,880	2,720	457	144	91
13	116	165	14,400	79,900	85,600	5,380	6,400	1,810	2,400	464	144	91
14	124	175	5,440	69,700	40,600	4,900	5,880	2,090	2,090	464	132	75
15	232	194	2,940	182,000	32,500	4,680	5,380	2,240	1,880	386	132	75
16	396	206	2,280	168,000	33,000	4,240	5,140	2,090	1,810	374	115	75
17	584	264	1,590	79,200	35,600	4,040	4,680	1,950	1,670	374	109	75
18	532	285	1,340	46,000	31,700	4,040	4,240	1,740	1,480	367	115	78
19	455	349	1,110	35,600	26,100	3,840	4,040	1,670	1,350	355	112	80
20	366	462	950	22,900	24,500	3,640	3,840	1,600	1,170	349	112	80
21	301	490	855	18,400	48,200	3,640	3,640	1,540	1,010	322	109	75
22	254	532	738	15,600	109,000	3,440	3,440	1,410	910	284	104	75
23	232	688	688	13,300	70,200	3,440	3,440	1,350	910	269	98	73
24	219	774	624	11,600	52,000	3,260	3,080	1,230	960	265	98	71
25	210	672	584	10,700	52,600	3,260	2,900	1,170	910	265	98	71
26	202	616	546	9,720	39,700	3,080	2,720	702	860	246	89	71
27	194	504	1,000	8,440	34,300	2,900	2,720	960	812	228	93	67
28	187	420	2,430	7,540	27,300	3,080	2,900	1,170	747	220	89	69
29	183	372	7,960	7,240	24,100	3,840	3,080	1,060	711	211	96	69
30	190	317	21,300	6,960	-	5,380	3,260	1,230	684	194	98	71
31	202	-	18,000	6,680	-	7,240	-	1,230	-	179	93	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,483	584	90	209	12,860
November	9,700	774	162	323	19,240
December	109,300	21,300	245	3,526	216,800
Calendar year 1935	2,157,563	77,300	53	5,911	4,279,000
January	1,310,920	182,000	6,680	42,290	2,600,000
February	844,600	109,000	4,040	29,120	1,675,000
March	225,540	24,900	2,900	7,275	447,400
April	205,520	27,700	2,720	6,851	407,600
May	57,612	3,260	702	1,858	114,300
June	52,634	6,140	684	1,754	104,400
July	11,770	643	179	380	23,350
August	4,176	211	89	135	8,280
September	2,360	93	67	78.7	4,680
Water year 1935-36	2,840,615	182,000	67	7,761	5,634,000

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 1936.

Average discharge.- 14 years, 198 second-feet.

Extremes.- Maximum daily discharge during year, 226 second-feet July 7, 8; minimum, 8.5 second-feet Nov. 14.
1922-36: Maximum daily discharge, 321 second-feet Aug. 26, 1933; no flow for 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 diverting above gage furnished by Pacific Gas & Electric Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	171	178	179	180	185	184	179	80	177	214	212	194
2	86	180	181	180	186	184	179	89	179	217	182	191
3	151	180	181	180	188	186	178	61	178	211	181	184
4	182	156	181	179	145	186	178	179	178	220	181	177
5	182	177	181	180	145	186	122	180	177	153	185	181
6	180	178	182	180	188	185	178	182	179	218	192	186
7	182	178	182	177	186	184	180	183	123	226	192	187
8	64	177	179	176	188	187	179	180	179	226	192	185
9	26	120	182	180	188	188	182	180	179	223	188	187
10	26	133	182	180	152	186	180	127	180	197	189	196
11	26	52	174	178	189	186	179	186	179	181	191	185
12	26	11	180	179	185	186	124	182	181	131	192	187
13	26	9.5	180	180	168	184	179	181	180	183	188	193
14	26	8.5	180	179	184	189	180	180	124	183	191	87
15	26	21	178	180	185	188	179	177	182	186	194	18
16	26	63	179	180	185	188	178	181	177	192	193	26
17	26	105	180	184	185	186	179	123	179	186	188	36
18	26	26	181	184	186	185	178	162	179	189	191	150
19	26	29	180	185	184	188	122	182	181	156	194	184
20	26	193	181	184	186	185	178	181	182	218	194	185
21	26	185	182	185	186	188	179	160	125	214	197	184
22	26	182	181	188	183	129	178	181	182	219	195	184
23	26	182	181	188	182	186	178	179	185	221	199	182
24	24	181	182	186	183	188	177	124	190	223	195	184
25	23	184	181	186	183	186	176	180	190	205	196	183
26	24	182	180	188	185	186	15	180	193	152	188	183
27	23	182	180	189	184	186	24	181	193	209	182	185
28	155	181	179	186	183	186	29	180	148	212	184	186
29	181	182	179	188	184	128	28	180	212	213	188	185
30	177	182	179	188	-	176	68	178	207	211	167	185
31	181	-	178	185	-	140	-	120	-	208	196	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,376	182	23	76.6	4,710
November	3,998.0	193	8.5	133	7,930
December	5,585	182	174	180	11,080
Calendar year 1935	56,601.0	199	8.5	155	112,300
January	5,664	189	177	183	11,230
February	5,263	189	145	181	10,440
March	5,600	189	128	181	11,110
April	4,463	182	15	149	8,850
May	5,019	186	61	162	9,960
June	5,298	212	123	177	10,510
July	6,197	226	131	200	12,290
August	5,897	212	167	190	11,700
September	4,960	196	18	165	9,840
Water year 1935-36	60,320.0	226	8.5	165	119,600

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 (general adjustment of 1929).

Drainage area.- 3,000 square miles.

Records available.- June 1917 to September 1936.

Average discharge.- 19 years, 825 second-feet.

Extremes.- Maximum discharge during year, 2,680 second-feet Apr. 29, 30 (gage height, 4.57 feet); minimum, 440 second-feet July 13 (gage height, 2.24 feet).

1917-36: 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 good for October, March to September; fair, November to February except those for Nov. 3, Dec. 16, 19-25, Jan. 18-22, Feb. 9, which were computed on basis of weather records and records for Sprague River near Chiloquin and Wood River at Fort Klamath, and are poor. 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 1935-36 (gage height, in feet, and discharge, in second-feet)

2.2	420	2.8	800	3.4	1,350	4.0	2,000	4.6	2,740
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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	503	598	573	611	555	970	1,100	2,540	872	520	498	498
2	503	573	567	706	537	979	1,100	2,420	889	503	498	492
3	503	540	567	657	573	1,040	1,100	2,360	880	492	503	492
4	503	500	567	713	604	1,110	1,070	2,240	864	498	503	514
5	503	500	567	728	611	1,160	1,050	2,120	832	498	508	503
6	503	555	585	699	611	1,200	1,030	2,000	840	498	508	481
7	508	537	585	678	604	1,200	1,040	1,940	840	498	503	481
8	525	537	585	650	604	1,190	1,020	1,890	824	498	503	476
9	525	543	585	644	604	1,180	1,020	1,840	824	498	503	481
10	525	555	598	637	604	1,160	1,060	1,840	808	498	503	481
11	537	561	604	720	598	1,160	1,160	1,840	800	492	508	476
12	537	573	611	800	598	1,190	1,350	1,780	824	486	508	470
13	537	579	611	970	611	1,220	1,560	1,720	840	476	508	476
14	549	585	611	1,050	692	1,240	1,670	1,670	840	481	503	481
15	561	579	611	1,080	872	1,250	1,840	1,620	840	481	498	481
16	555	573	560	1,080	961	1,300	2,000	1,560	824	486	498	486
17	561	567	537	1,030	1,020	1,350	2,180	1,500	784	492	498	508
18	579	567	555	960	1,080	1,350	2,300	1,500	728	486	492	543
19	579	561	570	900	1,090	1,350	2,360	1,500	699	498	492	549
20	573	537	580	820	1,090	1,400	2,360	1,450	692	508	492	531
21	567	492	560	700	1,180	1,450	2,420	1,450	685	503	498	503
22	561	492	560	640	1,300	1,450	2,420	1,400	671	598	498	531
23	555	508	560	650	1,350	1,450	2,540	1,400	650	567	498	561
24	555	678	580	650	1,400	1,500	2,610	1,300	611	531	492	492
25	611	699	598	618	1,450	1,620	2,480	1,230	592	520	492	492
26	664	611	598	604	1,620	1,620	2,480	1,130	585	503	486	492
27	604	585	604	598	1,670	1,500	2,480	1,080	570	503	476	492
28	573	579	604	598	1,500	1,400	2,610	1,010	560	508	481	492
29	573	579	618	598	1,120	1,230	2,640	864	570	508	486	492
30	567	573	618	555	-	1,150	2,680	856	585	503	492	492
31	624	-	611	555	-	1,140	-	864	-	503	492	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	17,123	664	503	552	33,960
November	16,916	699	492	564	33,550
December	18,140	618	537	585	35,980
Calendar year 1935	271,006	2,300	402	742	537,500
January	22,899	1,080	555	739	45,420
February	27,109	1,670	537	935	53,770
March	39,509	1,620	970	1,274	78,360
April	54,730	2,680	1,020	1,824	108,600
May	49,914	2,540	856	1,610	99,000
June	22,423	889	560	747	44,480
July	15,634	598	476	504	31,010
August	15,418	508	476	497	30,580
September	14,939	561	470	498	29,630
Water year 1935-36	314,754	2,680	470	860	624,300

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 general adjustment of 1929 and 4,135.93 feet by U. S. Bureau of Reclamation datum. All lake elevations given are referred to latter datum.

Records available.- May 1904 to September 1936.

Extremes.- Maximum elevation during year, 4,143.65 feet May 5; minimum, 4,138.63 feet Nov. 15. Maximum mean daily elevation, 4,143.21 feet May 5; minimum, 4,138.97 feet Nov. 15.

1904-36: 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 and 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39.23	39.45	39.27	39.69	41.22	42.13	42.46	42.94	43.02	42.60	41.50	40.32
2	39.08	39.59	39.29	39.85	41.23	42.15	42.40	42.80	42.97	42.54	41.48	40.28
3	39.18	39.22	39.32	39.86	41.23	42.19	42.39	42.82	43.08	42.48	41.51	40.21
4	39.23	39.18	39.29	40.01	41.24	42.20	42.78	42.94	42.97	42.45	41.44	40.12
5	39.25	39.16	39.15	40.13	41.24	42.21	42.59	43.21	42.92	42.52	41.32	40.07
6	39.26	39.13	39.10	40.13	41.24	42.22	42.55	43.16	42.77	42.46	41.33	40.14
7	39.26	39.11	39.15	40.11	41.23	42.23	42.58	43.04	42.84	42.43	41.29	40.12
8	39.19	39.08	39.26	40.14	41.23	42.22	42.57	43.01	42.96	42.31	41.24	40.16
9	39.16	39.18	39.24	40.26	41.24	42.35	42.54	43.02	43.05	42.21	41.20	40.22
10	39.11	39.08	39.24	40.27	41.25	42.28	42.53	43.05	43.08	42.24	41.20	40.20
11	39.09	38.99	39.05	40.40	41.26	42.28	42.54	43.01	43.08	42.20	41.14	40.12
12	39.03	39.03	39.46	40.24	41.27	42.36	42.56	42.94	43.03	42.25	41.10	40.12
13	38.99	39.16	39.37	40.46	41.26	42.33	42.56	42.52	43.00	42.23	41.05	39.95
14	39.04	39.07	39.42	40.62	41.29	42.33	42.59	42.86	42.70	42.20	40.98	39.94
15	39.15	38.97	39.44	40.74	41.33	42.32	42.52	43.11	42.90	42.15	40.89	40.02
16	39.15	39.14	39.45	40.88	41.39	42.36	42.36	43.10	42.86	42.10	40.85	39.95
17	39.20	39.19	39.45	40.90	41.39	42.41	42.52	43.10	43.04	42.05	40.87	39.93
18	39.22	39.05	39.45	40.93	41.46	42.38	42.68	43.03	42.99	42.04	40.85	39.87
19	39.31	39.17	39.45	40.98	41.46	42.40	42.70	43.02	43.03	42.02	40.83	39.84
20	39.35	39.22	39.45	41.01	41.47	42.46	42.69	43.06	42.86	42.00	40.76	39.81
21	39.26	39.20	39.44	41.04	41.46	42.76	42.57	43.05	42.93	41.96	40.72	39.81
22	39.17	39.11	39.44	41.06	41.56	42.73	42.70	43.04	42.90	41.91	40.64	39.76
23	39.19	39.18	39.44	41.09	41.80	42.45	42.70	43.05	42.91	41.93	40.64	39.79
24	39.18	39.26	39.44	41.12	41.84	42.52	42.85	43.04	42.86	41.90	40.58	39.78
25	39.16	39.24	39.48	41.14	41.80	42.69	42.89	43.05	42.79	41.85	40.61	39.78
26	39.15	39.25	39.50	41.16	41.86	42.49	42.89	42.96	42.71	41.77	40.56	39.68
27	39.15	39.24	39.55	41.17	41.92	42.25	42.87	42.51	42.81	41.71	40.45	39.66
28	39.35	39.25	39.55	41.19	42.02	42.54	42.87	42.90	42.74	41.66	40.37	39.65
29	39.19	39.26	39.62	41.20	42.08	42.62	42.94	42.97	42.70	41.64	40.34	39.62
30	39.24	39.26	39.67	41.20	-	42.67	42.95	42.94	42.63	41.66	40.36	39.59
31	39.01	-	39.72	41.20	-	42.68	-	43.07	-	41.58	40.31	-

Note.- Add 4,100 feet to obtain elevations above mean sea level, U. S. Bureau of Reclamation datum.

Monthly elevation and contents, water year October 1935 to September 1936

Date	Elevation in feet	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	4,139.23	253,500	-
Oct. 31	4,139.29	257,200	+3,700
Nov. 30	4,139.27	256,000	-1,200
Dec. 31	4,139.71	284,000	+28,000
Jan. 31	4,141.21	400,200	+116,200
Feb. 29	4,142.05	472,400	+72,200
Mar. 31	4,142.54	515,400	+43,000
Apr. 30	4,142.88	545,700	+30,300
May 31	4,142.99	555,700	+10,000
June 30	4,142.64	524,300	-31,400
July 31	4,141.58	431,700	-92,600
Aug. 31	4,140.31	327,200	-104,500
Sept. 30	4,139.60	276,800	-50,400
The water year			+23,300

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 1936.

Average discharge.- 32 years, 1,623 second-feet (including Keno Canal).

Extremes.- Maximum combined daily discharge of Link River and Keno Canal during year, 2,790 second-feet Apr. 5; minimum, 31 second-feet Dec. 29.
1904-36: Maximum discharge, 9,400 second-feet May 12, 1904 (gage height, 7.30 feet, former site and datum); minimum, 22 second-feet Aug. 30, 1918; minimum daily discharge, 26 second-feet Aug. 30, 1932, Nov. 16-18, 1934.

Remarks.- Records excellent. Regulation since April 1919 caused by storage of water in Upper Klamath Lake. Water diverted above station by 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,380	1,090	737	250	1,050	53	1,560	2,750	1,030	1,170	1,310	1,710
2	1,380	1,060	1,120	36	706	615	1,520	2,710	939	1,140	571	1,700
3	1,380	998	1,460	502	790	743	1,570	2,710	1,220	1,110	1,290	1,540
4	1,380	1,630	1,820	36	1,100	1,260	1,630	2,710	1,050	616	1,250	1,310
5	588	1,840	1,680	37	1,350	1,370	1,600	2,790	645	617	1,420	615
6	890	1,840	1,440	513	1,260	1,390	1,580	2,440	629	1,240	1,430	413
7	1,370	1,830	1,080	416	1,350	1,390	1,560	1,910	634	1,350	1,130	1,370
8	1,370	1,820	308	427	1,040	1,440	1,560	1,900	630	1,370	1,420	1,370
9	1,370	1,520	1,150	40	611	1,440	1,560	1,630	767	1,140	946	1,360
10	1,370	1,060	1,350	35	1,340	1,440	1,560	1,290	743	1,030	1,420	1,380
11	1,370	1,200	896	38	915	1,440	1,550	1,300	762	623	1,400	1,370
12	1,370	823	154	35	1,010	1,470	1,560	1,290	848	487	1,420	1,360
13	717	1,050	549	36	893	1,470	1,560	1,280	982	1,140	1,420	906
14	842	1,080	415	40	742	1,490	1,570	1,290	1,450	1,230	1,440	1,360
15	793	970	496	41	186	1,490	1,560	1,300	1,380	1,130	1,410	1,340
16	760	650	1,070	44	48	1,530	1,560	1,290	1,190	1,190	1,420	1,340
17	763	999	1,060	44	50	1,560	1,600	1,300	1,220	1,070	1,480	1,340
18	771	1,270	1,060	44	292	1,550	1,500	1,320	1,200	1,050	1,540	1,340
19	826	529	1,060	44	48	1,540	1,380	1,300	1,200	765	1,540	1,330
20	1,010	1,160	1,060	601	48	1,550	1,400	1,300	1,190	1,060	1,520	1,360
21	1,380	1,300	1,160	631	72	1,570	1,400	1,300	1,200	1,140	1,500	1,360
22	1,110	1,330	945	47	48	1,560	1,410	1,270	1,210	1,260	1,500	1,360
23	1,370	718	1,330	47	53	1,540	1,370	1,120	979	1,440	1,500	1,360
24	1,370	486	901	604	56	1,540	1,400	1,100	1,030	1,360	1,570	1,430
25	1,370	1,040	311	163	56	1,560	1,410	1,440	1,200	1,440	1,700	1,640
26	1,370	970	557	253	54	1,540	1,420	1,270	1,220	422	1,630	1,110
27	1,000	970	811	757	46	1,540	1,370	1,280	1,160	1,050	1,700	888
28	1,220	979	264	660	48	1,560	[illegible]	1,360	1,000	1,330	1,700	1,640
29	1,100	972	31	694	56	1,560	[illegible]	1,500	1,320	1,050	1,530	1,700
30	1,060	916	638	745	-	1,560	2,320	725	1,200	1,140	884	1,620
31	1,050	-	594	1,100	-	1,560	-	747	-	1,310	1,520	-

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	1,380	588	1,132	69,620	1,450	588	1,137	69,950
November	1,840	486	1,137	67,640	1,840	486	1,137	67,640
December	1,820	31	887	54,560	1,820	31	887	54,560
Calendar year 1935	3,860	31	1,039	752,300	3,860	31	1,287	931,500
January	1,100	35	289	17,760	1,100	35	289	17,780
February	1,350	46	528	30,380	1,350	46	528	30,380
March	1,570	53	1,397	85,930	1,570	53	1,397	85,930
April	2,320	1,370	1,542	91,760	2,420	1,370	1,550	92,260
May	2,790	725	1,578	97,040	2,960	1,330	2,079	127,800
June	1,450	629	1,048	62,340	2,220	935	1,615	96,060
July	1,440	422	1,080	66,390	2,440	1,170	1,930	118,700
August	1,700	571	1,404	86,300	2,300	1,370	2,059	126,600
September	1,820	413	1,337	79,580	2,220	740	1,663	98,950
Water year 1935-36	2,790	31	1,115	809,300	2,960	31	1,359	986,600

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., 2 miles west of Keno and 5 miles above mouth of Spencer Creek.
Drainage area.- 3,920 square miles (not including Lost River or Lower Klamath Lake Basins).
Records available.- June 1904 to December 1913, January 1930 to September 1936.
Average discharge.- 15 years, 1,610 second-feet.
Extremes.- Maximum discharge during year, 2,770 second-feet May 1 (gage height, 6.92 feet); minimum, 40 second-feet July 15 (gage height, 1.50 feet); minimum daily discharge, 179 second-feet Dec. 29.

1904-13, 1930-36: 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 good. Diversions for irrigation above station. Lost River Diversion Canal enters or diverts from Klamath River above station. See records for Lost River Diversion Canal and Diversion from Klamath River to Lost River near Olene, Oreg. Following diversions in acre-feet through Klamath Strait into Lower Klamath Lake computed from gate openings at Ady by U. S. Bureau of Reclamation: October, 430; November, 417; December, 200; January, 470; February, 131; March, 0; April, 34; May, 2,940; June, 2,080; July, 1,780; August, 778; September, 91; the year, 9,351. 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 1935-36 (gage height, in feet, and discharge, in second-feet)

2.4	172	3.6	560	5.6	1,680
2.6	220	4.0	740	6.0	1,980
2.8	280	4.4	945	6.5	2,390
3.0	340	4.8	1,170	7.0	2,880
3.2	410	5.2	1,410		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,350	1,230	799	405	1,350	865	1,980	2,570	844	747	1,240	1,610
2	1,350	1,200	1,230	221	936	1,230	1,980	2,670	684	755	291	1,640
3	1,350	1,150	1,640	684	978	789	1,980	2,670	929	796	815	1,500
4	1,470	1,870	2,140	283	1,290	1,770	1,980	2,670	851	445	1,170	823
5	749	1,980	1,940	307	1,540	1,980	2,060	2,670	515	425	1,260	427
6	998	1,980	1,610	759	1,440	1,980	2,060	2,390	420	642	1,230	205
7	1,500	2,060	1,240	682	1,640	1,980	2,060	1,750	428	1,020	1,080	1,470
8	1,470	2,060	431	658	1,400	1,980	2,060	1,860	676	1,130	1,260	1,470
9	1,470	1,700	1,300	226	599	1,980	2,060	1,680	690	1,020	773	1,470
10	1,470	1,180	1,540	232	1,720	1,980	2,060	1,320	570	872	1,260	1,470
11	1,470	1,360	1,030	307	1,160	1,980	1,980	1,290	761	453	1,260	1,470
12	1,470	935	262	364	1,160	1,980	1,980	1,260	837	418	1,260	1,470
13	864	1,170	651	372	1,210	1,980	1,980	1,200	1,080	874	1,260	1,020
14	933	1,180	508	628	1,080	1,940	2,060	1,100	1,580	1,080	1,260	1,440
15	868	1,150	569	765	500	1,940	1,980	902	1,410	770	1,290	1,440
16	845	777	1,230	815	480	1,940	1,980	1,110	1,110	733	1,290	1,440
17	830	1,070	1,230	740	683	1,940	1,980	1,080	1,030	735	1,320	1,440
18	820	1,440	1,230	718	796	1,980	1,940	1,060	945	827	1,380	1,440
19	916	560	1,200	765	363	1,980	1,780	1,060	918	655	1,410	1,440
20	1,070	1,360	1,200	1,270	695	1,940	1,780	1,060	865	862	1,410	1,440
21	1,500	1,470	1,230	1,290	695	1,900	1,750	972	865	822	1,350	1,440
22	1,220	1,470	1,050	650	815	1,900	1,640	815	836	918	1,410	1,440
23	1,500	908	1,500	417	1,060	1,900	1,410	649	599	1,080	1,410	1,410
24	1,470	553	1,090	883	1,380	1,900	1,440	583	582	1,290	1,440	1,440
25	1,470	1,170	371	464	1,320	1,900	1,540	1,040	890	1,260	1,640	1,720
26	1,470	1,110	620	428	1,290	1,860	1,610	752	890	305	1,680	1,180
27	1,110	1,110	1,000	1,030	1,610	1,860	1,610	794	865	778	1,640	852
28	1,410	1,110	399	916	1,030	1,900	1,580	965	604	972	1,640	1,780
29	1,110	1,080	179	949	918	1,980	1,900	1,040	847	718	1,500	1,820
30	1,180	1,060	745	945	-	2,060	2,300	367	821	890	316	2,060
31	1,180	-	725	1,350	-	1,980	-	416	-	1,140	1,350	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	37,883	1,500	749	1,222	75,140
November	38,453	2,060	553	1,282	76,270
December	31,889	2,140	179	1,029	63,250
Calendar year 1935	385,457	4,320	99	1,056	764,600
January	20,523	1,350	221	662	40,710
February	31,138	1,720	363	1,074	61,760
March	57,274	2,060	789	1,848	113,600
April	56,500	2,300	1,410	1,883	112,100
May	41,765	2,670	367	1,347	82,840
June	24,942	1,580	420	831	49,470
July	25,432	1,290	305	820	50,440
August	38,895	1,680	291	1,255	77,150
September	41,267	2,060	205	1,376	81,850
Water year 1935-36	445,961	2,670	179	1,218	884,600

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 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.- 4,370 square miles (revised).
Records available.- October 1928 to September 1936. October 1923 to September 1928 at site above mouth of Fall Creek.
Average discharge.- 13 years, 1,324 second-feet, including Fall Creek.
Extremes.- Maximum discharge during year, 5,310 second-feet Apr. 30 (gage height, 5.67 feet); minimum, 112 second-feet Nov. 10 (gage height, 1.20 feet). Minimum daily discharge, 282 second-feet June 7.
1923-36: Maximum discharge, 6,950 second-feet at site above Fall Creek, Mar. 26, 1928; minimum, about 10 second-feet several times in 1925 and 1926. Minimum daily discharge at present site, 83 second-feet Aug. 2, 1931.
Remarks.- Records excellent except those computed from electrical output of Copco 2 power plant for Aug. 3-5, Sept. 27-30, which are fair. Diversions and regulation above station. Water-stage recorder inspected by employee of The California Oregon Power Co.

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

1.0	70	2.5	910
1.2	112	3.0	1,420
1.4	170	3.5	1,970
1.6	255	4.0	2,570
1.8	360	4.5	3,240
2.0	485		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,780	2,010	658	654	1,820	809	2,240	2,930	1,310	1,290	455	2,300
2	1,720	1,690	2,080	1,200	421	1,900	2,340	3,030	1,290	1,320	440	2,010
3	1,750	1,320	2,430	1,070	1,650	1,900	2,270	3,000	1,260	1,260	1,480	2,020
4	1,530	2,310	2,040	303	1,910	1,780	2,130	2,890	1,220	318	1,720	2,120
5	898	2,200	2,070	292	1,670	2,220	2,230	2,810	1,320	320	1,620	1,700
6	972	2,050	2,000	984	1,880	2,200	2,270	2,450	376	1,210	1,460	523
7	1,830	2,290	806	1,040	1,870	1,850	2,230	2,300	282	1,420	1,630	466
8	1,940	2,420	474	1,100	695	2,040	2,400	1,980	1,220	1,430	660	1,700
9	2,270	742	1,810	486	422	2,360	2,430	1,420	1,240	1,220	565	1,830
10	1,940	310	1,760	696	1,700	2,420	2,320	853	1,280	1,120	1,560	2,320
11	1,880	1,380	1,250	1,160	1,540	2,460	2,290	1,360	1,270	461	1,760	1,900
12	518	1,750	460	1,530	1,600	2,220	2,260	1,350	1,240	390	1,850	1,000
13	402	1,900	1,500	1,520	1,610	2,420	2,330	1,370	902	1,310	1,930	503
14	1,300	1,670	676	1,760	1,460	2,400	2,250	1,760	1,210	1,370	1,850	1,690
15	1,400	1,680	700	1,970	606	1,990	2,480	1,870	2,050	1,540	1,840	1,910
16	1,600	842	1,530	1,860	406	2,470	2,420	1,330	1,590	1,540	486	2,100
17	1,750	313	1,460	1,410	1,290	2,220	2,400	816	1,450	1,390	1,780	2,410
18	1,860	1,490	1,530	1,140	1,200	2,220	2,080	1,550	1,800	866	1,790	2,450
19	746	1,700	1,640	366	1,340	2,270	1,400	1,470	1,430	562	1,970	1,520
20	843	1,680	1,600	1,520	1,220	2,240	2,230	1,340	833	1,230	1,740	552
21	1,780	1,720	712	1,450	1,170	2,180	2,310	1,860	317	1,230	1,820	1,950
22	1,930	1,660	404	1,110	1,010	2,010	2,070	1,310	1,290	1,230	1,560	2,220
23	1,700	779	1,860	1,230	1,620	2,330	2,010	566	1,340	1,420	415	2,290
24	1,760	379	1,690	1,200	2,850	2,220	1,890	574	1,330	1,460	1,890	1,780
25	1,920	1,620	349	546	2,140	2,280	1,970	1,760	1,300	509	2,090	1,800
26	663	1,690	1,520	398	2,170	2,130	1,880	1,330	1,260	348	2,210	741
27	594	1,720	1,680	1,040	2,160	2,100	2,210	1,580	664	1,470	2,230	605
28	1,650	819	1,010	1,310	1,480	1,990	2,080	1,420	376	1,490	2,170	2,130
29	1,610	1,550	355	1,460	1,950	2,240	2,530	958	1,300	1,460	838	2,130
30	1,520	1,130	1,130	1,620	-	2,240	3,100	474	1,200	1,450	484	1,620
31	1,710	-	766	1,280	-	2,270	-	319	-	1,370	1,830	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	45,766	2,270	402	1,476	90,780
November	44,814	2,420	310	1,494	88,890
December	39,950	2,430	349	1,289	79,240
Calendar year 1935	481,950	4,170	99	1,320	955,900
January	34,705	1,970	292	1,120	68,840
February	42,860	2,850	406	1,478	85,010
March	66,379	2,470	809	2,141	131,700
April	67,050	3,100	1,400	2,235	133,000
May	50,030	3,030	319	1,614	99,230
June	34,950	2,050	282	1,165	69,320
July	35,004	1,540	318	1,129	69,430
August	46,123	2,230	415	1,488	91,480
September	50,290	2,450	466	1,676	99,750
Water year 1935-36	557,921	3,100	282	1,524	1,107,000

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.- 8,480 square miles (revised).

Records available.- October 1927 to September 1936.

Extremes.- Maximum discharge during year, 60,000 second-feet Jan. 15 (gage height, 27.8 feet); minimum, 952 second-feet Sept. 29.
1927-36: Maximum discharge, 60,300 second-feet Mar. 26, 1928 (gage height, 27.9 feet); minimum, 218 second-feet Aug. 26, 1931.
A stage of about 50.8 feet occurred on Feb. 21, 1927 (discharge not computed).

Remarks.- Records good; discharge interpolated Feb. 26-28. Storage, large diversions for irrigation, and considerable regulation by power plants above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,740	2,660	2,060	5,040	8,720	13,500	8,720	10,600	5,040	3,140	2,280	1,580
2	2,490	3,050	1,760	23,300	8,960	13,500	8,480	10,400	5,380	3,070	1,840	2,920
3	2,540	2,600	2,010	18,200	7,580	14,800	8,720	10,900	5,560	3,070	1,360	2,630
4	2,540	2,320	2,760	19,500	8,020	14,600	9,200	11,400	5,380	3,140	1,600	2,630
5	2,320	3,050	2,660	16,700	8,240	13,800	8,480	11,400	5,210	2,560	2,490	2,840
6	1,760	3,110	2,820	11,600	7,800	13,500	8,480	10,400	5,560	2,090	2,560	2,350
7	1,660	2,990	3,290	9,440	7,580	13,000	8,720	9,680	6,130	2,220	2,700	1,840
8	2,160	3,350	3,540	8,720	7,580	12,300	8,720	9,440	6,720	2,920	2,490	1,160
9	2,600	3,480	2,320	13,800	6,520	12,100	8,960	9,680	6,320	3,220	1,840	1,620
10	2,990	2,490	2,710	16,100	6,130	12,100	9,680	10,200	5,940	3,000	1,440	2,220
11	2,660	1,570	6,710	32,600	6,920	11,800	10,400	10,200	5,750	2,840	1,780	2,920
12	2,930	2,030	9,920	23,900	8,020	11,600	11,600	10,200	5,750	2,350	2,490	2,490
13	1,860	2,930	4,700	27,700	8,240	11,400	12,300	10,900	5,560	2,020	2,630	1,780
14	1,710	3,050	3,940	43,900	8,240	11,100	13,300	11,800	5,040	2,220	2,700	1,580
15	2,490	2,990	3,230	52,200	8,480	10,900	14,100	10,600	5,040	2,770	2,560	1,700
16	2,760	3,290	2,600	41,000	8,020	10,400	14,300	9,920	5,380	2,840	2,630	2,420
17	2,660	2,540	2,760	30,100	7,800	10,600	14,100	8,720	5,040	2,770	1,840	2,700
18	2,760	1,860	2,880	21,900	8,240	10,400	13,500	8,240	4,700	2,700	1,720	3,070
19	2,820	1,980	2,760	18,000	8,240	10,400	12,800	8,020	4,540	2,220	2,420	3,070
20	2,270	2,930	2,820	15,400	8,240	10,600	12,100	7,580	4,380	2,090	2,630	2,490
21	1,620	2,930	2,820	14,300	17,900	11,100	12,600	7,140	3,940	2,090	2,350	1,560
22	2,440	3,230	2,320	13,000	29,900	10,900	12,800	7,360	3,440	2,350	2,420	1,840
23	2,760	3,410	1,960	11,800	26,400	10,200	12,800	7,140	3,520	2,350	2,490	2,700
24	2,540	2,880	2,110	11,100	21,300	10,200	13,500	6,920	3,840	2,350	1,650	2,920
25	2,540	2,010	2,880	10,600	18,000	9,680	12,300	6,720	3,680	2,490	1,660	2,490
26	2,930	2,280	2,490	9,680	16,000	9,440	11,600	7,300	3,520	2,090	2,700	2,420
27	1,860	2,880	3,410	9,200	15,000	9,200	11,100	7,360	3,440	1,550	2,840	1,960
28	1,480	2,820	4,230	9,680	14,000	9,680	11,100	7,580	3,220	1,720	2,770	1,150
29	2,010	2,270	5,940	9,680	13,500	9,200	10,600	6,920	2,630	2,420	2,840	2,160
30	2,490	2,540	6,520	9,440	-	9,200	10,600	6,130	2,770	2,350	1,840	3,000
31	2,380	-	6,320	9,200	-	8,720	-	5,380	-	2,350	1,350	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	72,770	2,990	1,480	2,347	144,300
November	81,520	3,480	1,570	2,717	161,700
December	109,250	9,920	1,760	3,524	216,700
Calendar year 1935	2,024,860	17,200	1,130	5,548	4,016,000
January	566,780	52,200	5,040	18,280	1,124,000
February	329,570	29,900	6,130	11,360	653,700
March	349,920	14,500	8,720	11,290	694,100
April	335,660	14,300	8,480	11,190	665,800
May	276,730	11,800	5,380	8,927	548,900
June	142,420	6,720	2,630	4,747	282,500
July	77,360	3,220	1,550	2,495	153,400
August	68,910	2,840	1,350	2,223	136,700
September	68,210	3,070	1,150	2,274	135,300
Water year 1935-36	2,479,100	52,200	1,150	6,773	4,917,000

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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 above Modoc Point Canal intake.
Drainage area.- 1,580 square miles.
Records available.- August 1931 to September 1936. July 1920 to September 1931 comparable record except for extremely low stages at station at McCready ranch, 12 miles upstream.
Average discharge.- 15 years (1921-36), 399 second-feet.
Extremes.- Maximum discharge during year, 2,240 second-feet Apr. 29 (gage height, 4.27 feet); minimum, 127 second-feet Aug. 28 (gage height, 1.34 feet).
1920-36: 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, Nov. 3-6, Dec. 16-25, Jan. 17-23, 30, 31, Feb. 1-3, 5, 9, 10, which are fair and were computed on basis of weather records and records for Williamson River below Sprague River, near Chiloquin, and Wood River at Fort Klamath. Diversions for irrigation above station; regulation by pondage at irrigation dams. Water-stage recorder inspected by employee of The California Oregon Power Co.

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

1.2	92	2.8	920
1.4	144	3.2	1,230
1.7	254	3.6	1,580
2.0	410	4.0	1,980
2.4	655	4.5	2,520

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	181	254	221	242	230	584	603	2,080	572	202	188	177
2	181	242	217	278	210	610	584	1,980	578	202	188	170
3	188	210	217	278	230	668	572	1,880	572	202	191	174
4	188	170	221	334	259	733	554	1,780	548	202	191	195
5	184	170	225	350	250	772	548	1,680	548	202	191	174
6	184	220	238	328	242	785	542	1,580	548	202	191	160
7	199	217	234	307	242	785	542	1,440	542	199	188	157
8	206	225	234	328	234	778	530	1,400	542	199	188	157
9	202	229	238	278	240	772	524	1,400	542	199	188	164
10	199	225	246	273	240	759	560	1,400	530	195	191	160
11	202	234	246	350	246	752	668	1,400	524	191	195	157
12	206	242	254	458	246	778	818	1,360	530	184	195	157
13	206	238	254	603	259	818	955	1,310	542	181	195	164
14	209	234	254	648	355	818	1,110	1,230	542	181	191	164
15	213	238	254	674	518	850	1,270	1,190	542	181	188	167
16	213	238	210	674	578	850	1,440	1,150	518	181	188	170
17	221	238	190	620	629	885	1,580	1,110	488	181	188	195
18	238	238	200	560	668	920	1,730	1,110	428	177	188	221
19	229	238	230	500	674	920	1,780	1,110	404	191	184	217
20	217	188	240	440	674	955	1,830	1,110	399	195	188	191
21	213	144	230	330	733	955	1,880	1,070	388	202	188	170
22	209	144	230	270	850	990	1,980	1,070	372	302	188	206
23	206	177	230	290	885	990	2,030	990	350	259	188	209
24	209	350	240	297	920	1,030	2,080	955	302	229	188	154
25	273	334	270	278	1,030	1,070	2,030	885	288	209	188	160
26	323	250	268	268	1,150	1,030	1,980	816	278	195	191	164
27	254	234	264	268	1,190	920	2,030	766	273	191	174	170
28	229	225	259	264	1,030	818	2,140	688	264	191	138	164
29	229	225	250	264	707	694	2,190	566	273	188	157	160
30	234	225	250	230	-	629	2,190	548	278	188	177	160
31	288	-	246	230	-	610	-	560	-	191	177	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,733	323	181	217	13,350
November	6,796	350	144	227	13,480
December	7,360	270	190	237	14,600
Calendar year 1935	147,537	1,700	111	404	292,600
January	11,512	674	230	371	22,830
February	15,719	1,190	210	542	31,180
March	25,528	1,070	564	823	50,630
April	39,270	2,190	524	1,309	77,890
May	37,616	2,080	548	1,213	74,610
June	13,505	578	264	450	26,790
July	6,192	302	177	200	12,280
August	5,749	195	138	185	14,030
September	5,208	221	154	174	10,330
Water year 1935-36	181,188	2,190	138	495	362,000

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 (general adjustment of 1929).

Records available.- August 1911 to September 1936 (incomplete prior to 1922); discontinued.

Average discharge.- 18 years (1913-16, 1918-19, 1922-36), 215 second-feet.

Extremes.- Maximum discharge observed during year, 323 second-feet Apr. 12 (gage height, 2.34 feet); minimum, 144 second-feet July 24 (gage height, 1.20 feet).
1911-36: 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. Discharge determined by shifting-control method, estimated for Jan. 30 to Feb. 1. Considerable diversion for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	188	195	195	195	182	195	188	195	202	195	173	180
2	188	195	188	234	180	195	188	195	195	166	173	180
3	195	173	180	218	180	195	188	210	195	160	166	188
4	195	188	180	250	180	195	195	234	166	160	160	195
5	195	188	188	226	180	195	195	242	180	153	152	195
6	188	195	188	218	195	195	202	226	188	160	149	195
7	195	195	195	210	195	195	210	226	226	160	149	202
8	195	195	195	218	188	202	226	226	266	160	148	202
9	195	195	195	188	188	210	242	226	266	166	149	195
10	202	195	195	234	188	202	266	234	266	166	152	195
11	202	188	210	234	188	210	290	250	282	166	148	195
12	210	195	195	202	195	210	323	274	306	160	153	195
13	210	188	188	218	195	218	306	282	282	160	160	202
14	202	188	180	226	195	218	306	306	290	160	166	202
15	202	188	173	226	218	226	282	306	290	180	166	210
16	195	195	173	218	195	242	258	266	290	180	166	210
17	202	188	173	218	195	234	234	306	282	180	166	210
18	195	188	173	226	195	242	234	250	282	166	166	210
19	202	188	173	210	195	242	226	250	274	150	166	218
20	195	188	166	210	195	250	218	258	266	152	160	218
21	195	188	166	210	218	234	226	242	226	149	166	210
22	195	188	173	210	210	234	226	250	226	148	166	210
23	195	188	173	210	210	218	234	242	218	145	173	210
24	195	188	166	210	218	202	242	242	210	144	166	218
25	195	188	195	202	210	195	226	234	202	146	173	218
26	195	188	195	195	195	195	226	242	180	173	173	218
27	195	188	188	210	195	195	234	234	173	173	173	210
28	195	180	195	210	195	202	234	218	166	173	173	218
29	195	188	188	188	195	202	218	202	202	173	173	210
30	195	188	188	186	-	195	210	218	202	173	173	226
31	202	-	188	184	-	202	-	202	-	173	173	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,103	210	188	197	12,110
November	5,680	195	173	189	11,270
December	5,718	210	166	184	11,340
Calendar year 1935	64,557	306	138	177	128,100
January	6,594	250	184	213	13,080
February	5,668	218	180	195	11,240
March	6,545	250	195	211	12,980
April	7,053	323	188	235	13,990
May	7,486	306	195	242	14,850
June	6,999	306	166	233	13,880
July	5,070	195	144	164	10,060
August	5,070	173	148	164	10,060
September	6,145	226	180	205	12,190
Water year 1935-36	74,133	323	144	203	147,000

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 1936.

Extremes.- Maximum recorded contents during year, 14,610 acre-feet July 1 (elevation, 6,001.4 feet); minimum, 4,761 acre-feet Oct. 2.
1923-30, 1932-36: Maximum contents, 15,170 acre-feet July 10, 1933 (elevation, 6,002.0 feet); no storage at times.

Remarks.- Records fair. Month-end contents October, November, May to August estimated from occasional readings of gage. Water turned out of reservoir is diverted 300 feet below dam into Cascade Canal, which conveys it across divide into drainage above Fish Lake in Rogue River Basin. See records for Cascade Canal near Fish Lake.

Monthly contents, in acre-feet, water year 1935-36

Date	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	4,680	-
Oct. 31	4,800	+120
Nov. 30	4,900	+100
May 31	12,680	* +7,780
June 30	14,600	+1,920
July 31	10,180	-4,420
Aug. 31	8,000	-2,180
The period		+3,320

*For period Nov. 30 to May 31.

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 Basin, 3 miles above Fish Lake.

Records available.- June 1924 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge observed during year, 40 second-feet Aug. 6-11 (gage height, 1.83 feet); no flow at times.

Remarks.- Records poor. Discharge interpolated for May 20, 22, 23, June 5-30; computed from observations on contents of Fourmile Lake Reservoir for July 23 to Aug. 5. Water stored in Fourmile Lake Reservoir was released to canal July 1 to Aug. 15. This canal diverts water from Fourmile Creek in Klamath River Basin and discharges it into lava bed 1½ miles above Fish Lake in Rogue River Basin. Entire flow sinks into lava bed, reappearing in springs at head of Fish Lake. Gaging station is 10 miles below point of diversion.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	7	0		
2								-	6	6		
3								-	6	10	38	
4								-	6	18		
5								-		22		
6								-		24	40	
7								-		29	40	
8								-		30	40	
9								-		30	40	
10								-		31	40	
11								-		33	40	
12								-		33	39	
13								-		34	38	
14								23		34	39	
15								18		34	38	
16								17		34	0	
17								19	3	35	0	
18								18		35	0	
19								13		34	0	
20								13		34	0	
21								13		35	0	
22								13		35	0	
23								14			0	
24								14			0	
25								16			0	
26								14		37	0	
27								13			0	
28								11			0	
29								8			0	
30								10			0	
31								8			0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 14-31	255	23	8	14.2	506
June	103	7	-	3.4	204
July	943	-	0	30.4	1,870
August	584	-	0	18.8	1,160
September	0	0	0	0	0
The period					3,740

Note.- No record Oct. 1 to May 13; probably some flow in April and May from melting snow.

"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 1936 in reports of U. S. Geological Survey; October 1910 to September 1912 in reports of State engineer.

Average discharge.- 26 years, 161 second-feet.

Extremes.- Maximum discharge during year, 1,026 second-feet July 23 (gage height, 9.78 feet); no flow Oct. 1 to Apr. 26.
1910-36: Maximum discharge, that of July 23, 1936; maximum stage, 10.72 feet June 27, 1925.

Remarks.- Records good. "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.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70						0	111	534	890	905	511
2	70						0	110	509	888	852	517
3	26						0	121	500	832	814	456
4	0						0	162	465	726	778	426
5	0						0	172	443	715	776	360
6	0						0	174	383	810	794	327
7	0						0	210	366	869	779	314
8	0						0	238	320	868	745	298
9	0						0	274	246	857	684	295
10	0						0	318	192	814	640	311
11	0						0	341	208	741	632	330
12	0						0	386	244	686	649	308
13	0						0	464	264	689	677	288
14	0						0	518	290	690	683	272
15	0						0	557	350	712	652	267
16	0						0	567	404	766	592	268
17	0						0	592	474	840	579	260
18	0						0	622	536	876	587	256
19	0						0	641	613	876	618	247
20	0						0	665	736	888	629	242
21	0						0	676	786	944	629	276
22	0						0	725	826	972	605	314
23	0						0	747	892	998	585	328
24	0						0	741	898	1,004	579	332
25	0						0	783	998	987	595	377
26	0						0	840	995	944	585	366
27	0						24	868	933	920	598	339
28	0						66	872	845	896	571	328
29	0						66	788	868	869	522	328
30	0						96	668	884	892	487	196
31	0						-	583	-	896	489	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	166	70	0	5.4	329
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	90,376	945	0	248	179,200
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	252	96	0	8.4	500
May	15,534	872	110	501	30,810
June	17,002	998	192	567	33,720
July	26,355	1,004	686	850	52,270
August	20,312	905	487	655	40,290
September	9,767	517	196	326	19,370
Water year 1935-36	89,388	1,004	0	244	177,300

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 1936.

Average discharge.- 13 years, 201 second-feet.

Extremes.- Maximum daily discharge during year, 277 second-feet Nov. 17; no flow at times. 1923-36: Maximum daily discharge, 291 second-feet Apr. 10, 1935.

Remarks.- Records good. Discharge determined from record of electrical output of power plant 200 feet below gage combined with spill at wasteway above 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-output records furnished by The California Oregon Power Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	267	267	271	0	1	0	265	0	256	262	256	260
2	267	269	271	0	2	0	165	0	258	263	267	255
3	271	266	270	0	2	0	2	0	256	261	259	256
4	272	267	269	0	167	149	0	0	252	262	259	253
5	274	261	256	1	268	262	3	0	251	263	255	259
6	272	267	269	1	269	271	165	39	255	263	257	263
7	266	262	264	1	266	99	271	102	253	256	247	264
8	273	264	270	1	266	3	266	61	254	253	257	261
9	271	276	266	1	269	3	266	0	252	259	257	255
10	266	272	266	2	269	3	271	0	255	260	257	266
11	272	271	261	2	269	3	264	0	256	263	257	260
12	270	271	118	2	270	3	265	0	254	264	256	256
13	276	271	4	2	269	3	218	0	254	262	256	254
14	270	265	3	2	265	3	270	0	247	266	267	259
15	267	269	2	1	138	4	265	0	176	261	236	262
16	274	274	1	1	0	157	262	1	0	261	253	258
17	275	277	0	1	0	266	270	0	0	263	254	262
18	273	271	0	1	0	270	99	0	0	263	255	262
19	276	273	0	1	0	265	0	0	0	263	255	261
20	276	272	0	1	0	264	0	0	0	263	253	261
21	275	266	112	1	0	271	1	0	0	263	249	262
22	276	261	272	1	0	270	0	0	116	263	248	260
23	271	162	266	1	0	264	0	0	256	257	252	264
24	271	146	273	1	0	265	0	133	72	263	251	261
25	271	216	273	1	0	266	0	259	0	255	252	256
26	270	270	273	1	0	264	0	259	0	260	254	261
27	275	270	191	1	0	263	0	253	0	261	253	263
28	274	270	0	1	0	268	0	256	0	261	252	10
29	263	272	0	1	0	265	0	255	88	260	252	255
30	275	272	0	1	-	271	0	257	46	260	242	251
31	265	-	0	1	-	272	-	261	-	260	254	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,414	276	263	271	16,690
November	7,792	277	148	260	15,460
December	4,721	273	0	152	9,360
Calendar year 1935	68,021	291	0	186	134,900
January	32	2	0	1.0	63
February	2,990	270	0	103	5,930
March	4,967	272	0	160	9,850
April	3,608	271	0	120	7,160
May	2,136	261	0	68.9	4,240
June	4,307	258	0	144	8,540
July	8,094	266	253	261	16,050
August	7,872	267	236	254	15,610
September	7,780	266	251	259	15,430
Water year 1935-36	62,713	277	0	171	124,400

Lost River Diversion Canal near Olene, Oreg.

Location.- Staff gages above and below head gate at intake of canal at Lost River Dam; water-stage recorder, lat. 42°9', long. 121°42', in SW¼ sec. 30, T. 39 S., R. 10 E., 1½ miles below intake and 5 miles southwest of Olene. Station was moved downstream about 1 mile in 1931.

Records available.- May 1912 to September 1936.

Average discharge.- 23 years (1912-15, 1916-36), 102 second-feet.

Extremes.- Maximum discharge during year, 1,097 second-feet Feb. 24; no flow at times. 1912-36: Maximum discharge, 1,320 second-feet Apr. 11, 1935.

Remarks.- Records fair. Discharge computed from daily record of openings and head on gate; water-stage recorder used to indicate changes between readings. 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. Discharge records furnished by U. S. Bureau of Reclamation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	95	86	80	89	151	594	366	140	0			0
2	94	83	80	98	144	567	366	51	0			24
3	95	87	81	110	139	546	366	10	0			125
4	79	89	90	114	131	523	366	0	0			146
5	102	86	91	126	125	507	375	0	0			190
6	102	86	129	144	110	490	375	0	0			182
7	95	85	86	155	117	468	373	46	0			165
8	94	86	87	158	107	457	375	70	0			154
9	91	84	87	172	99	440	370	23	0			148
10	87	85	89	162	101	424	373	0	46			142
11	85	81	89	188	104	414	378	0	71			143
12	87	67	87	222	105	377	386	0	69			138
13	88	81	93	309	122	322	388	0	66			132
14	87	81	92	486	130	318	391	0	47			129
15	87	81	94	486	160	304	396	0	0			128
16	87	81	94	490	192	300	398	0	11			128
17	88	83	94	551	279	259	398	0	0			127
18	92	84	93	592	314	276	394	0	0			128
19	108	82	91	583	573	259	386	0	0			128
20	108	83	90	537	524	241	366	0	0			128
21	98	84	89	463	487	233	318	0	0			127
22	90	85	87	398	537	237	205	0	0			129
23	88	86	90	317	841	228	96	0	0			95
24	79	86	90	252	1,097	221	157	0	0			81
25	83	85	86	192	1,049	205	191	0	0			93
26	87	84	87	183	928	200	209	0	0			86
27	82	83	89	164	855	223	199	0	0			73
28	84	82	93	135	754	318	189	0	0			103
29	74	81	91	139	624	336	199	0	0			120
30	87	80	91	152	-	358	186	0	0			106
31	83	-	92	152	-	358	-	0	-			-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,786	108	74	89.9	5,530
November	2,495	89	67	83.2	4,950
December	2,802	129	80	90.4	5,560
Calendar year 1935	34,202	1,130	0	93.7	67,850
January	8,319	592	89	268	16,500
February	10,899	1,097	99	376	21,620
March	11,003	594	200	355	21,820
April	9,535	398	96	318	18,910
May	340	140	0	11.0	674
June	310	71	0	10.3	615
July	0	0	0	0	0
August	0	0	0	0	0
September	3,598	190	0	120	7,140
Water year 1935-36	52,087	1,097	0	142	103,300

Diversion from Klamath River to Lost River near Olene, Oreg.

Location.- Water-stage recorder, lat. 42°9', long. 121°42', in SW¼ sec. 30, T. 39 S., R. 10 E., 5 miles southwest of Olene; staff gage above rectangular gate at wasteway 0.1 mile east of recorder.

Records available.- April 1931, when diversion began, to September 1936.

Extremes.- Maximum discharge during year, 345 second-feet May 23; no flow at times. 1931-36: Maximum daily discharge, 564 second-feet Apr. 13, 1933.

Remarks.- Records fair. Discharge computed from record of gate openings and gage readings at wasteway; recorder used as index of changes between readings. 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. Beginning in April 1931 water has been diverted at times from Klamath River and released into drain that empties into Lost River, from which it is rediverted for irrigation of lands near Tule Lake. Records furnished by U. S. Bureau of Reclamation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								0	154	207	57	
2								0	147	200	94	
3								0	104	160	105	
4								0	34	140	71	
5								0	32	109	55	
6								0	33	114	55	
7								0	0	157	55	
8								0	0	135	55	
9								0	0	107	55	
10								0	0	57	55	
11								0	0	0	32	
12								0	0	0	0	
13								43	0	0	0	
14								77	0	65	0	
15								167	0	219	0	
16								166	10	311	0	
17								128	123	277	0	
18								111	164	195	0	
19								111	175	127	0	
20								121	205	109	33	
21								211	211	114	46	
22								238	214	155	0	
23								280	249	128	0	
24								317	233	149	0	
25								317	207	148	0	
26								317	187	148	0	
27								314	164	148	0	
28								294	168	148	0	
29								277	205	116	0	
30								252	213	68	0	
31								181	-	66	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	19,189	460	0	52.6	38,070
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	3,922	317	0	127	7,780
June	3,232	249	0	108	6,410
July	4,077	311	0	132	8,090
August	768	105	0	24.8	1,520
September	0	0	0	0	0
Water year 1935-36	11,999	317	0	32.8	23,800

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 1936.

Extremes.- Maximum discharge during year (estimated), 190 second-feet Jan. 10 (gage height, 2.60 feet, from floodmarks); minimum, 25 second-feet May 17, June 30, July 1, Aug. 26-31.

1928-36: Maximum discharge, that of Jan. 10, 1936; minimum, that of May 17, June 30, July 1, Aug. 26-31, 1936.

Remarks.- Records fair except those above 40 second-feet, which are poor. Discharge computed by shifting-control method Oct. 1 to Nov. 17. No diversions or regulation above station. Gage-height record furnished by The California Oregon Power Co.

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

Nov. 18 to Sept. 30

0.5	21	1.2	65
.6	26	1.4	80
.7	32	1.7	104
.8	38	2.0	131
1.0	51	2.6	150

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*29	29	*30	*44	34	*42	31	29	27	25	27	*26
2	29	28	*30	108	33	41	32	28	26	26	26	26
3	*30	26	30	48	*33	41	32	28	*26	27	26	26
4	*29	33	30	51	*32	*39	*35	*30	26	*26	27	27
5	* 29	31	30	44	32	38	*33	*29	26	26	27	27
6	29	*31	31	44	31	37	32	28	26	26	27	26
7	29	*31	*31	*48	31	37	33	28	29	26	27	27
8	29	31	*32	*46	31	36	32	28	*30	27	27	*27
9	29	31	32	62	31	36	32	27	*29	27	27	27
10	29	29	32	150	30	36	32	27	*27	27	27	27
11	30	30	33	58	31	35	31	27	26	26	27	27
12	*30	30	36	44	*33	35	31	*26	28	*26	27	27
13	*30	*30	35	54	35	35	*30	26	*28	26	27	28
14	30	30	*33	84	35	35	30	27	*28	26	27	29
15	30	29	*31	65	44	*34	30	27	27	26	26	*28
16	29	*30	31	*65	38	34	30	26	28	26	27	28
17	*29	30	*31	*50	36	34	29	25	28	26	27	28
18	*29	30	*31	44	36	34	29	26	28	26	26	28
19	29	31	31	44	*38	34	29	26	28	*26	26	28
20	29	30	31	41	41	34	*29	*26	28	26	26	28
21	29	30	31	38	80	34	28	26	*28	26	26	28
22	29	30	31	37	54	*34	28	26	28	26	26	28
23	*29	30	31	*36	54	33	30	26	27	27	26	*28
24	*29	*30	*31	*36	44	33	28	26	*27	27	*26	28
25	29	30	*32	35	54	*33	28	26	27	27	26	28
26	29	30	35	34	*51	33	28	*26	27	*27	25	28
27	29	30	35	37	48	33	*30	26	27	27	25	28
28	29	30	35	35	48	32	30	26	26	27	25	28
29	29	30	37	34	44	31	30	26	26	27	25	*28
30	29	*30	41	36	-	31	29	28	25	27	25	28
31	*29	-	*42	*35	-	31	-	27	-	27	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	905	30	29	29.2	1,800
November	900	33	26	30.0	1,790
December	1,012	42	30	32.6	2,010
Calendar year 1935	11,570	45	26	31.7	22,960
January	1,587	150	34	51.2	3,150
February	1,162	80	30	40.1	2,300
March	1,085	42	31	35.0	2,150
April	911	35	28	30.4	1,810
May	833	30	25	26.9	1,650
June	817	30	25	27.2	1,620
July	818	27	25	26.4	1,620
August	814	27	25	26.3	1,610
September	825	29	26	27.5	1,640
Water year 1935-36	11,669	150	25	31.9	23,150

*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 1936.

Extremes.- Maximum contents observed during year, 9,656 acre-feet May 20, 23, June 8 (elevation, 5,007.8 feet); minimum, 1,181 acre-feet Oct. 3 (elevation, 4,991.3 feet). 1922-36: 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 1935-36

Date	Elevation in feet	Contents in acre-feet	Change in contents during month in acre-feet
Sept. 30	-	*1,200	-
Oct. 31	-	*1,276	+76
Nov. 30	-	*1,385	+109
Dec. 31	-	*1,673	+288
Jan. 31	-	*2,383	+710
Feb. 29	-	*2,952	+569
Mar. 31	4,999.8	4,619	+1,667
Apr. 30	-	*8,366	+3,747
May 31	-	*9,656	+1,290
June 30	-	*8,898	-758
July 31	-	*7,325	-1,573
Aug. 31	5,000.0	4,725	-2,600
Sept. 30	-	*3,420	-1,305
Water year	-	-	+2,220

*Computed from readings averaging once weekly.

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.- June 1923 to September 1936, some years incomplete.

Extremes.- Maximum discharge during year, 46 second-feet several days in August; maximum gage height, 3.50 feet Aug. 31; no flow at times.
1923-36: Maximum discharge, 78 second-feet Aug. 18, 1928.

Remarks.- Records fair. Discharge computed by shifting-control method; interpolated for May 24, 26. 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. Practically no flow in canal Oct. 6 to May 22. Stored water released from reservoir May 23 to Sept. 15.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2							0	2	25	19	45
2	2							0	2	25	19	44
3	2							0	2	25	20	45
4	1							0	2	25	20	43
5	1							0	2	25	20	35
6	0							0	2	23	20	34
7	0							0	4	21	24	30
8	0							0	16	18	33	29
9	0							0	11	16	33	29
10	0							0	10	11	37	29
11	0							0	10	11	44	28
12	0							0	9	11	45	26
13	0							0	10	11	45	35
14	0							0	10	11	45	38
15	0							0	10	11	45	37
16	0							0	9	12	45	22
17	0							0	9	14	46	6
18	0							0	9	15	45	4
19	0							0	9	18	45	2
20	0							0	9	19	45	2
21	0							0	9	21	45	3
22	0							0	10	22	45	4
23	0							8	16	25	44	3
24	0							16	20	25	44	3
25	0							16	22	25	44	2
26	0							16	23	25	44	2
27	0							15	24	24	44	2
28	0							15	24	22	45	2
29	0							15	25	19	45	2
30	0							14	25	18	45	1
31	0							4	-	19	45	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8	2	0	0.3	16
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	119	16	0	3.8	236
June	345	25	2	11.5	684
July	592	25	11	19.1	1,170
August	1,185	46	19	38.2	2,350
September	587	45	1	19.6	1,160
Water year 1935-36	2,836	46	0	7.7	5,620

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 1936.

Extremes.- Maximum discharge during year, 1,000 second-feet Jan. 15 (gage height, 4.80 feet) by slope-area method; minimum, 5.5 second-feet Aug. 16.
1933-36: Maximum discharge, that of Jan. 15, 1936; minimum, 5.5 second-feet July 4, 1935, and Aug. 16, 1936.

Remarks.- Records good. Storage and many irrigation diversions above station.

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

1.4	6	2.1	44	2.7	128	3.6	448
1.5	9	2.2	54	2.8	154	3.8	532
1.6	12.5	2.3	65	2.9	186	4.0	620
1.7	17	2.4	78	3.0	220	4.2	712
1.8	22	2.5	92	3.2	292	4.4	806
1.9	28	2.6	108	3.4	368	4.6	902
2.0	35						

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	77	122	124	138	186	224	189	66	98	12	9.5	19
2	75	128	124	260	183	227	193	88	108	10	7.5	20
3	88	128	124	220	176	227	183	86	97	17	9.5	21
4	92	122	124	213	173	224	170	84	56	18	11	24
5	86	120	124	193	173	220	157	85	42	20	20	24
6	95	120	124	173	170	217	154	84	52	12	62	22
7	108	120	126	164	167	213	144	84	69	11	33	37
8	110	122	128	176	164	210	120	75	74	15	15	44
9	112	122	128	338	160	210	118	48	85	17	14	46
10	112	122	128	285	160	210	110	48	77	20	12	30
11	112	120	133	456	167	200	78	44	84	20	12	22
12	114	120	138	360	170	200	77	49	82	17	10	18
13	122	120	136	444	164	196	79	49	79	14	12	15
14	124	120	128	524	167	193	74	43	81	19	12	20
15	122	118	126	878	189	186	63	40	79	22	10	24
16	120	118	124	782	200	183	63	25	40	20	6.5	25
17	120	118	122	524	186	180	61	24	34	21	9.5	57
18	120	120	124	380	173	173	44	24	29	24	10	53
19	120	122	122	319	170	173	48	23	27	17	11	32
20	118	122	120	281	173	173	63	23	24	12	8.5	29
21	116	124	118	260	256	173	61	24	20	11	11	34
22	116	126	118	238	341	164	53	20	20	12	11	44
23	116	131	118	227	311	151	52	19	20	15	9.5	50
24	116	128	120	224	292	160	39	14	17	13	12	50
25	110	124	126	220	270	173	41	22	14	11	11	65
26	106	124	133	213	252	167	40	22	13	11	10	72
27	105	124	149	206	242	164	42	27	12	17	12	70
28	105	124	146	206	234	160	47	33	11	13	17	73
29	106	124	151	200	234	154	50	43	9.5	11	16	75
30	106	124	146	189	-	160	61	60	12	10	17	70
31	108	-	141	189	-	173	-	82	-	12	17	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,359	124	75	108	6,660
November	3,677	131	118	123	7,290
December	3,993	151	118	129	7,920
Calendar year 1935	32,399.5	264	6	88.8	64,250
January	9,480	878	138	306	18,800
February	5,903	341	160	204	11,710
March	5,838	227	151	188	11,580
April	2,674	193	39	89.1	5,300
May	1,458	88	14	47.0	2,890
June	1,465.5	108	9.5	48.8	2,910
July	474	24	10	15.3	940
August	438.5	62	6.5	14.1	870
September	1,185	75	15	39.5	2,350
Water year 1935-36	39,945.0	878	6.5	109	79,220

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., half a mile east of Somesbar post office and 1½ miles above mouth. Altitude, about 500 feet.

Drainage area.- 737 square miles.

Records available.- September 1911 to September 1915, October 1927 to September 1936.

Average discharge.- 10 years (1911-13, 1927-29, 1930-36), 1,335 second-feet.

Extremes.- Maximum discharge during year, 21,600 second-feet Jan. 14 (gage height, 13.0 feet), from rating curve extended above 9,500 second-feet; minimum, 113 second-feet Sept. 27 (gage height, 3.12 feet).
1927-36: Maximum discharge, that of Jan. 14, 1936; minimum, 70 second-feet Aug. 25, Sept. 4, 5, 1931.

Remarks.- Records good. Discharge for Oct. 23, 24 interpolated. No large diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	131	269	254	1,000	1,660	3,440	1,480	2,420	1,500	735	265	145
2	146	264	244	6,890	1,760	3,870	1,440	2,500	1,520	725	255	153
3	170	239	244	4,320	1,650	4,090	1,510	2,770	1,510	715	250	157
4	178	224	239	5,020	1,590	3,870	1,580	3,240	1,440	661	245	157
5	178	224	229	4,320	1,510	3,540	1,460	3,140	1,480	661	240	165
6	170	229	259	2,850	1,430	3,340	1,420	2,590	1,690	608	230	165
7	162	254	349	2,090	1,370	3,140	1,540	2,370	2,350	582	226	161
8	154	280	505	1,870	1,310	2,860	1,650	2,450	2,770	582	221	153
9	146	280	399	3,990	1,260	2,860	1,710	2,860	2,120	697	216	145
10	146	269	412	4,430	1,240	2,680	1,940	3,540	1,900	679	216	141
11	150	254	1,310	10,200	1,280	2,590	2,420	3,760	1,880	600	212	137
12	187	285	1,990	6,120	1,550	2,560	3,140	3,870	1,910	548	212	137
13	206	302	950	6,500	1,640	2,540	3,650	4,320	1,820	525	212	141
14	264	264	690	15,900	1,750	2,420	4,200	4,680	1,650	518	203	157
15	440	280	588	16,200	1,800	2,300	4,440	3,340	1,680	495	194	157
16	361	373	520	11,000	1,820	2,220	4,320	2,950	1,470	472	190	153
17	280	302	475	7,150	1,790	2,250	4,200	2,680	1,410	452	185	145
18	259	264	440	5,160	1,750	2,250	4,200	2,770	1,280	426	181	141
19	259	264	406	3,980	1,790	2,250	3,960	2,590	1,160	406	181	137
20	254	313	386	3,440	1,820	2,370	3,760	2,170	1,140	400	177	129
21	239	296	373	2,950	5,530	2,590	3,870	1,970	1,140	394	173	125
22	219	399	355	2,680	7,650	2,470	3,980	2,080	1,140	388	173	125
23	205	490	342	2,500	6,020	2,280	3,980	2,250	1,160	382	173	121
24	195	406	336	2,400	4,920	2,170	4,440	2,520	1,130	364	169	121
25	192	349	367	2,280	4,090	1,980	3,650	2,770	997	352	165	121
26	192	313	440	2,200	3,540	1,860	3,140	2,770	899	334	161	121
27	187	291	682	2,170	3,240	1,820	3,040	2,560	846	322	161	117
28	187	280	674	2,220	3,240	1,920	2,950	2,590	795	310	157	117
29	192	269	1,280	2,170	3,340	1,750	2,770	2,080	735	298	153	117
30	201	264	1,610	2,060	-	1,660	2,540	1,730	735	286	153	121
31	210	-	1,370	1,970	-	1,610	-	1,580	-	275	149	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,460	440	131	208	12,810
November	8,790	490	224	293	17,430
December	18,718	1,990	229	604	37,130
Calendar year 1935	499,195	5,380	131	1,368	990,200
January	148,030	16,200	1,000	4,775	293,600
February	73,540	7,650	1,240	2,536	145,900
March	79,550	4,090	1,610	2,566	157,800
April	88,400	4,440	1,420	2,947	175,300
May	85,910	4,680	1,580	2,771	170,400
June	43,257	2,770	735	1,442	85,800
July	15,192	735	275	490	30,130
August	6,098	265	149	197	12,100
September	4,182	165	117	139	8,290
Water year 1935-36	578,127	16,200	117	1,580	1,147,000

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 mean sea level (general adjustment of 1929).

Drainage area.- 724 square miles.

Records available.- August 1911 to September 1936.

Average discharge.- 25 years, 1,395 second-feet.

Extremes.- Maximum discharge during year, 16,500 second-feet Feb. 21 (gage height, 13.0 feet); minimum, 55 second-feet Oct. 9 (gage height, 1.67 feet).

1911-36: Maximum discharge, about 31,900 second-feet Nov. 30, 1926 (gage height, 18.3 feet) from rating curve extended above 10,000 second-feet on basis of slope-area measurement of 28,700 second-feet; minimum, 23 second-feet July 30, 1924.

Remarks.- Records excellent. Diversions for irrigation, power, and placer mining above station.

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

1.8	71	3.0	465	4.0	1,120	6.0	2,970	8.0	5,740
2.0	105	3.2	580	4.4	1,440	6.4	3,450	8.5	6,610
2.2	152	3.4	700	4.8	1,780	6.8	3,970	9.0	7,560
2.4	212	3.6	840	5.2	2,140	7.2	4,520	10	9,600
2.6	285	3.8	980	5.6	2,540	7.6	5,110	11	11,800
2.8	365								

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	91	163	212	574	1,110	2,240	1,240	2,700	1,560	819	226	125
2	96	190	209	868	1,050	2,440	1,200	2,750	1,520	805	226	127
3	123	186	206	917	980	2,750	1,280	3,150	1,480	777	230	132
4	199	177	202	1,210	924	2,860	1,520	3,840	1,440	714	226	142
5	166	177	199	1,320	882	2,750	1,400	3,710	1,440	700	219	152
6	152	177	219	945	833	2,750	1,320	2,970	1,690	640	196	152
7	142	180	285	742	791	2,540	1,400	2,750	3,710	604	186	152
8	132	190	370	670	756	2,440	1,600	2,800	3,520	574	180	144
9	116	183	370	696	728	2,640	1,780	3,270	2,750	721	177	137
10	123	172	317	1,670	714	2,540	2,050	3,970	2,340	826	180	132
11	130	174	357	6,240	742	2,390	2,860	4,240	2,240	688	183	127
12	177	174	910	3,090	1,450	2,390	3,970	4,520	2,190	628	193	120
13	172	180	598	2,700	2,700	2,390	4,520	5,420	2,050	580	199	147
14	183	180	450	5,800	2,340	2,290	4,960	6,250	1,920	568	183	127
15	270	186	380	9,970	2,640	2,190	5,420	4,100	2,590	538	174	130
16	289	219	345	6,220	3,450	2,100	5,580	3,390	2,050	504	163	137
17	251	209	313	3,580	3,520	2,190	5,580	3,030	1,780	465	155	137
18	222	202	301	2,490	3,450	2,290	5,260	2,860	1,560	440	152	137
19	216	199	285	1,920	3,030	2,290	4,960	2,750	1,440	415	144	118
20	206	255	266	1,560	2,800	2,440	4,660	2,290	1,360	390	144	123
21	193	255	258	1,400	10,300	2,750	4,660	2,050	1,320	375	142	123
22	177	301	251	1,280	10,800	2,540	5,110	2,190	1,320	365	140	120
23	166	385	244	1,160	6,080	2,190	5,580	2,290	1,320	353	137	114
24	160	325	240	1,160	4,380	2,000	5,580	2,440	1,240	325	137	109
25	152	285	244	1,120	3,390	1,780	4,660	2,640	1,160	305	140	105
26	147	262	251	1,120	2,750	1,600	4,100	2,640	1,040	289	142	105
27	142	247	341	1,110	2,490	1,520	3,710	2,590	966	277	137	105
28	140	236	361	1,160	2,340	1,480	3,520	3,710	889	266	134	105
29	134	226	520	1,200	2,240	1,400	3,090	2,490	826	255	127	105
30	134	219	670	1,200	-	1,360	2,860	1,920	812	244	127	107
31	142	-	770	1,160	-	1,360	-	1,640	-	233	127	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,143	289	91	166	10,200
November	6,514	385	163	217	12,920
December	10,944	910	199	353	21,710
Calendar year 1935	432,634	7,360	89	1,185	858,100
January	66,452	9,970	574	2,144	131,800
February	79,660	10,800	714	2,747	158,000
March	68,890	2,860	1,360	2,222	136,600
April	105,430	5,580	1,200	3,514	209,100
May	97,360	6,250	1,640	3,141	193,100
June	51,523	3,710	812	1,717	102,200
July	15,683	826	233	506	31,110
August	5,226	230	127	169	10,370
September	3,796	152	105	127	7,530
Water year 1935-36	516,621	10,800	91	1,412	1,025,000

Trinity River near Burnt Ranch, Calif.

Location.- Water-stage recorder, lat. 40°47', long. 123°25', in sec. 29, T. 5 N., R. 7 E., 2 miles above highway bridge at Cedar Flat and 7 miles above Burnt Ranch. Zero of gage is 1,007.98 feet above mean sea level (general adjustment of 1929).

Drainage area.- 1,400 square miles.

Records available.- October 1931 to September 1936.

Extremes.- Maximum discharge during year, 31,000 second-feet Jan. 15 (gage height, 19.27 feet) from rating curve extended above 9,000 second-feet; minimum, 148 second-feet Sept. 27.

1931-36: Maximum discharge, that of Jan. 15, 1936; minimum, 89 second-feet Oct. 5, 1931.

Remarks.- Records excellent except those for extremely high water, which are good. Slight regulation and small diversions for mining and irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	158	294	394	1,410	2,270	4,980	2,170	3,740	2,220	1,330	478	188
2	175	333	381	3,600	2,170	5,130	2,020	3,740	2,220	1,370	458	188
3	201	336	374	3,380	2,020	5,450	2,170	4,000	2,220	1,370	438	196
4	229	324	364	3,620	1,880	5,450	2,740	4,680	2,120	1,330	420	204
5	299	315	361	4,000	1,790	5,290	2,580	4,980	2,070	1,250	402	212
6	279	312	361	2,690	1,700	4,980	2,320	4,260	2,320	1,210	381	214
7	256	321	408	2,020	1,610	4,680	2,370	3,740	4,130	1,140	364	218
8	241	336	596	1,790	1,530	4,400	2,640	3,740	5,290	1,100	347	218
9	227	345	650	2,690	1,450	4,540	2,910	4,130	4,260	1,070	331	210
10	214	333	610	4,070	1,450	4,540	3,140	4,830	3,620	1,100	313	198
11	217	330	783	15,400	1,490	4,130	3,870	5,450	3,380	1,140	298	192
12	252	327	1,740	8,760	2,120	4,130	5,130	5,610	3,260	1,100	287	184
13	289	333	1,410	6,480	4,130	4,130	6,120	6,480	3,140	1,000	281	180
14	336	330	1,000	15,800	4,000	3,870	6,660	8,230	2,860	970	278	182
15	433	339	832	28,200	4,260	3,740	7,040	6,300	3,260	940	273	192
16	498	368	732	19,400	5,290	3,620	7,230	4,680	3,140	910	265	194
17	482	381	670	10,900	5,950	3,620	7,430	4,130	2,740	880	258	198
18	444	371	606	6,660	5,950	3,620	7,040	3,870	2,370	850	248	194
19	430	381	574	5,130	5,450	3,620	6,850	3,740	2,170	814	242	192
20	405	426	544	4,260	5,290	3,740	6,300	3,260	2,020	782	235	184
21	364	455	514	3,620	15,300	4,000	6,120	2,860	1,970	760	226	170
22	345	601	494	3,260	23,400	4,000	6,660	2,860	2,020	732	220	173
23	321	690	478	3,020	14,200	3,620	7,040	3,020	2,070	710	216	170
24	309	665	471	2,860	9,480	3,380	7,430	3,260	2,020	688	212	168
25	302	565	455	2,800	7,430	3,020	6,660	3,500	1,880	666	210	163
26	294	502	474	2,640	6,120	2,740	5,610	3,620	1,660	640	210	158
27	281	467	660	2,640	5,450	2,580	5,130	3,620	1,530	605	212	152
28	281	444	748	2,640	5,290	2,580	4,830	4,400	1,410	580	208	155
29	274	422	1,180	2,640	4,980	2,420	4,400	3,870	1,370	546	198	156
30	272	405	1,490	2,640	-	2,370	4,130	2,910	1,330	519	192	158
31	274	-	1,740	2,420	-	2,320	-	2,470	-	498	188	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,382	498	158	303	18,610
November	12,051	690	294	402	23,900
December	22,094	1,740	361	713	43,820
Calendar year 1935	749,099	12,700	152	2,052	1,486,000
January	181,440	28,200	1,410	5,853	359,900
February	153,450	23,400	1,450	5,291	304,400
March	120,690	5,450	2,320	3,893	239,400
April	146,740	7,430	2,020	4,891	291,100
May	129,980	8,230	2,470	4,193	257,800
June	76,070	5,290	1,330	2,536	150,900
July	28,600	1,370	498	923	56,730
August	8,889	478	188	287	17,630
September	5,561	218	152	185	11,030
Water year 1935-36	894,947	28,200	152	2,445	1,775,000

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 1936. October 1911 to January 1914, November 1916 to August 1918, staff gage at Hoopa, 2 miles downstream.

Extremes.- Maximum discharge during year, 73,100 second-feet Jan. 15 (gage height, 24.60 feet) from rating curve extended above 33,000 second-feet; minimum, 289 second-feet Oct. 2 (gage height, 2.86 feet).

1911-14, 1916-18, 1931-36: Maximum discharge, about 89,000 second-feet Dec. 31, 1913 (gage height, 28.1 feet, former site and datum) from rating curve extended above 12,000 second-feet; minimum, 162 second-feet Oct. 4, 1931.

Remarks.- Records good. Small diversions for mining and irrigation above station.

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

2.8	276	5.0	1,230	9.0	6,800	17	34,000
3.0	323	5.5	1,560	10	9,300	18	38,700
3.2	380	6.0	2,000	11	11,900	19	43,500
3.4	445	6.5	2,480	12	14,600	20	48,400
3.6	518	7.0	3,040	13	17,500	21	53,400
3.8	600	7.5	3,720	14	21,000	22	58,600
4.0	690	8.0	4,570	15	25,000	23	64,000
4.5	945	8.5	5,640	16	29,400	24	69,600

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	294	600	740	4,380	5,640	13,500	4,480	6,080	3,360	2,000	740	377
2	310	668	715	11,400	5,200	13,500	4,200	5,860	3,290	2,000	690	377
3	396	668	690	12,700	4,880	13,800	4,480	6,080	3,360	2,000	668	383
4	432	622	690	12,700	4,570	13,200	6,560	6,800	3,220	1,910	668	399
5	480	600	668	14,300	4,380	12,200	6,080	7,300	3,100	1,820	645	402
6	518	600	668	9,560	4,120	11,400	5,530	6,560	3,500	1,740	600	406
7	470	600	740	6,800	3,950	10,600	5,420	5,860	5,420	1,660	600	406
8	435	645	1,060	5,860	3,800	9,820	5,860	5,530	8,800	1,620	558	406
9	415	645	1,200	13,000	3,640	9,560	6,320	5,860	7,050	1,740	558	399
10	396	645	1,200	14,900	3,500	9,300	6,320	6,560	5,640	1,910	518	380
11	390	622	1,690	35,200	3,500	8,800	7,050	7,300	5,090	1,910	518	368
12	419	668	4,770	25,000	5,860	8,300	8,300	7,550	4,770	1,700	518	359
13	462	690	3,570	22,600	10,600	8,050	9,300	8,300	4,570	1,540	538	353
14	622	668	2,480	38,000	10,100	7,800	9,820	10,100	4,200	1,500	538	356
15	945	715	1,910	67,900	9,820	7,300	10,300	8,600	4,290	1,460	518	368
16	1,080	815	1,660	53,400	10,300	7,050	10,300	6,800	4,480	1,400	499	374
17	972	815	1,460	36,800	11,400	6,800	10,600	5,860	3,870	1,360	476	377
18	840	765	1,320	25,900	11,400	6,800	10,100	5,530	3,570	1,260	459	374
19	765	740	1,230	18,900	11,100	6,800	9,560	5,420	3,220	1,200	448	368
20	715	840	1,170	14,600	10,900	6,800	9,050	4,980	3,100	1,140	445	362
21	668	890	1,110	12,200	22,600	6,800	8,800	4,380	2,980	1,110	435	345
22	600	1,080	1,060	10,300	44,000	7,050	9,300	4,120	2,920	1,110	432	331
23	579	1,400	1,030	9,300	33,100	6,560	9,560	4,290	2,980	1,080	425	328
24	558	1,290	1,000	8,300	25,900	6,080	10,100	4,480	2,920	1,060	419	323
25	538	1,110	1,000	7,800	20,600	5,640	9,560	4,770	2,740	1,000	419	318
26	538	1,000	1,030	7,300	17,200	5,200	8,300	4,980	2,580	945	415	316
27	518	890	1,460	7,050	14,900	4,980	7,550	4,880	2,380	890	412	303
28	518	840	1,820	6,800	14,300	5,200	7,300	5,420	2,230	840	409	298
29	518	790	3,290	6,800	13,800	5,090	6,800	5,860	2,090	815	402	303
30	518	765	6,080	6,320	-	4,880	6,560	4,290	2,000	790	390	308
31	518	-	5,860	5,860	-	4,880	-	3,720	-	765	380	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	17,427	1,080	294	562	34,570
November	23,886	1,400	600	790	46,980
December	54,371	6,080	668	1,754	107,800
Calendar year 1935	1,543,185	27,800	285	4,228	3,061,000
January	531,930	67,900	4,380	17,160	1,055,000
February	345,060	44,000	3,500	11,900	684,400
March	253,740	13,800	4,880	8,185	503,300
April	233,460	10,600	4,200	7,782	463,100
May	184,320	10,100	3,720	5,946	365,600
June	113,720	8,800	2,000	3,791	225,600
July	43,275	2,000	765	1,396	85,830
August	15,740	740	380	508	31,220
September	10,767	406	298	359	21,360
Water year 1935-36	1,827,496	67,900	294	4,993	3,625,000

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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 1936.

Extremes.- Maximum discharge during year, 55,500 second-feet Jan. 14 (gage height, 25.1 feet); minimum, 210 second-feet Oct. 1 (gage height, 3.61 feet).
1931-36: Maximum discharge, 61,700 second-feet Mar. 18, 1932 (gage height, 26.45 feet) from rating curve extended above 25,000 second-feet; minimum, 168 second-feet Oct. 21, 1931.

Remarks.- Records excellent. No diversions or regulation.

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

3.6	208	5.8	1,010	11	6,680
3.8	252	6.2	1,220	12	8,600
4.0	305	6.6	1,470	13	10,720
4.2	365	7.0	1,760	15	15,600
4.4	425	7.5	2,180	17	21,500
4.6	495	8.0	2,650	19	28,300
4.8	570	8.5	3,180	21	36,300
5.0	650	9.0	3,750	23	45,000
5.4	815	10.0	5,050	25	55,000

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	210	935	670	7,600	2,400	7,040	2,500	2,360	1,580	910	425	283
2	221	750	610	29,500	2,270	6,860	2,270	2,180	1,500	885	419	302
3	280	570	590	13,800	2,140	6,000	2,850	2,040	1,470	860	413	305
4	299	495	550	27,600	2,140	5,200	5,200	2,550	1,370	838	407	297
5	264	439	530	19,600	2,000	4,500	3,870	5,050	1,340	838	398	288
6	245	425	750	11,200	2,000	3,990	3,290	4,500	1,440	792	392	283
7	232	460	1,870	8,200	2,140	3,510	3,070	3,510	2,320	770	386	274
8	228	439	4,370	9,520	2,000	3,180	2,960	2,850	4,630	770	380	264
9	226	512	2,450	28,700	1,920	2,960	2,750	2,550	3,510	792	377	257
10	223	495	3,180	21,500	1,840	2,750	2,750	2,360	2,750	770	371	252
11	230	456	15,600	32,800	1,920	2,550	2,850	2,180	2,360	750	374	250
12	297	1,630	19,100	22,900	2,450	2,450	2,750	2,000	2,040	710	368	250
13	495	2,500	7,400	38,300	2,850	2,320	2,600	2,040	1,840	690	359	257
14	1,840	1,540	4,500	47,600	3,070	2,180	2,450	4,240	1,720	670	353	285
15	2,270	1,340	3,290	38,600	3,870	2,040	2,360	3,750	1,720	650	344	280
16	1,400	2,000	2,600	31,200	3,400	1,960	2,270	3,180	1,640	630	335	264
17	770	1,580	2,180	18,400	3,180	1,880	2,140	2,650	1,760	610	335	254
18	570	1,220	1,920	12,800	3,290	1,840	2,000	2,400	1,640	590	332	250
19	478	1,110	1,680	10,500	3,870	1,760	1,800	2,850	1,500	570	329	245
20	413	1,340	1,500	8,400	6,170	1,720	1,720	3,290	1,440	570	323	243
21	380	1,220	1,370	6,680	13,200	1,720	1,680	2,960	1,340	550	317	237
22	356	1,370	1,280	5,670	19,000	1,640	1,720	2,600	1,280	530	317	232
23	332	1,020	1,220	5,050	15,900	1,580	1,680	2,360	1,220	512	320	230
24	311	1,720	1,160	4,500	10,900	1,640	2,220	2,090	1,160	495	317	230
25	302	1,370	1,110	4,110	10,300	1,500	2,000	1,920	1,110	495	311	230
26	297	1,140	1,110	3,750	10,500	1,400	1,720	1,840	1,080	478	305	223
27	285	985	2,040	3,510	8,800	2,270	1,640	1,800	1,040	478	297	217
28	280	860	2,220	3,290	8,600	6,340	1,840	2,000	1,010	460	288	221
29	314	770	11,300	3,070	8,000	4,370	2,850	1,800	960	456	288	226
30	365	710	16,200	2,750	-	3,510	2,850	1,720	935	446	285	230
31	368	-	12,100	2,550	-	2,960	-	1,640	-	439	283	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14,781	2,270	210	477	29,320
November	32,301	2,500	425	1,077	64,070
December	126,450	19,100	530	4,079	250,800
Calendar year 1935	1,085,708	-	210	2,975	2,154,000
January	483,650	47,600	2,550	15,600	959,300
February	160,120	19,000	1,840	5,521	317,600
March	95,620	7,040	1,400	3,085	189,700
April	74,650	5,200	1,640	2,488	148,100
May	81,260	5,050	1,640	2,621	161,200
June	50,705	4,630	935	1,690	100,600
July	20,004	910	439	645	39,680
August	10,748	425	283	347	21,320
September	7,659	305	217	255	15,190
Water year 1935-36	1,157,948	47,600	210	3,164	2,297,000

Measurements of stream flow in the Pacific slope basins in California at points other than regular gaging stations for the water year October 1935 to September 1936, are listed in the following tables.

Streams south of San Francisco Bay

San Luis Rey River at crossing at Bonsall, Calif.

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
Dec. 27	0.95	Feb. 26	45	Apr. 21	13	June 17	*0.15
Jan. 3	1.0	Mar. 4	23	30	6.4	24	*.1
10	1.1	11	14	May 6	4.0	July 2	*.1
17	1.2	18	11	13	1.9	8	*.1
24	1.1	27	12	20	.9	15	*.1
Feb. 11	5.8	Apr. 2	27	27	1.6	29	*.05
14	82	10	27	June 4	.42	Aug. 5	*.05
19	98	16	16	10	.42		

*Estimated.

San Luis Rey River at Rancho Guajomita, Calif.

Feb. 19	106	Mar. 18	11	Apr. 16	16	May 13	1.1
26	44	27	12	21	12	20	*.15
Mar. 4	26	Apr. 2	31	30	5.2	27	.5
11	18	10	25	May 6	3.4	June 4	0

*Estimated

San Luis Rey River a quarter of a mile below Rancho Guajomita, Calif.

Mar. 11, 15 second-feet

Arroyo Seco at Nigger Canyon, near Temecula, Calif.

Mar. 25	2.6	Apr. 2	3.2	Apr. 7	5.0		

Upper diversion from Haines Creek near Tujunga, Calif.

Dec. 3	.04	Jan. 20	.03	Apr. 1	.04	June 2	.03
26	.03	Feb. 6	.03	11	.04	17	.03
Jan. 2	.03	Mar. 20	.04	May 1	.04		
8	.03	25	.04	16	.03		

Lower diversion from Haines Creek near Tujunga, Calif.

Oct. 21	.07	Dec. 26	.07	Feb. 6	.07	Apr. 11	.10
28	.07	Jan. 2	.07	Mar. 20	.11	May 1	.09
Nov. 4	.07	8	.07	25	.10	16	.08
Dec. 3	.07	20	.07	Apr. 1	.10	June 2	.08
						17	.08

Fillmore Land & Water Co.'s diversion from Sespe Creek near Sespe, Calif.

Oct. 4	7.0	Jan. 28	11.8	Apr. 15	1.0	June 24	8.7
18	6.6	Feb. 26	1.2	29	1.6	July 3	7.8
Nov. 5	9.8	Mar. 2	.95	May 14	13	27	6.2
Dec. 4	*.3	16	1.0	28	16.8	Aug. 18	4.9
Jan. 10	4.9	30	2.3	June 12	10	Sept.12	4.8

*Estimated.

Santa Ynez River half a mile below junction with Mono Creek, Calif.

Feb. 6	9.3	May 19	4.6	June 1	4.1	June 16	.5
May 13	5.4	27	4.8	9	1.8		

Santa Ynez River at Pine Canyon Bridge, near Lompoc, Calif.

Feb. 14, 773 second-feet

Camuesa Creek at junction with Santa Ynez River, near Santa Barbara, Calif.

May 13	.34	June 16	.12	July 14	.05	Aug. 11	.06
19	.26	23	.08	21	.04	18	.02
27	.20	July 1	.03	28	.05	25	.02
June 1	.26	7	.04	Aug. 4	.04	Sept. 1	.01
9	.15						

Gidney Creek at junction with Santa Ynez River, near Santa Barbara, Calif.

Jan. 2	.10	Jan. 30	.07	May 19	.27	June 9	.14
9	.09	Feb. 6	.6	21	.25	16	.14
16	.09	May 13	.24	June 1	.20		

Streams south of San Francisco Bay--Continued

Hot Springs Creek at junction with Santa Ynez River, near Santa Barbara, Calif.

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
Oct. 17	0.21	June 16	0.38	Sept. 14	0.25		
Apr. 22	.68						

Santa Agueda Creek at junction with Santa Ynez River, near Santa Ynez, Calif.

Feb. 13, 114 second-feet

Santa Cota Creek at junction with Santa Ynez River, near Santa Ynez, Calif.

Oct. 26	3.4	Jan. 25	3.2	Apr. 18	2.2	July 11	.65
Nov. 23	3.1	Feb. 13	2.8	May 9	.96	Aug. 15	Trace
Dec. 28	3.2	29	3.3	June 6	.88	Sept. 5	.76

Alamo Pintado Creek 1.1 miles above junction with Santa Ynez River, near Solvang, Calif.

Oct. 26	.27	Jan. 25	.21	Apr. 18	.44	Aug. 15	.13
Nov. 23	.24	Feb. 13	.46	June 6	.13	Sept. 5	.11
Dec. 28	.21	29	.44	July 11	.15		

Alisal Creek at junction with Santa Ynez River, near Solvang, Calif.

Feb. 29	8.4	Apr. 18	.99	June 6	.10	Aug. 15	0

Santa Rosa Creek at junction with Santa Ynez River, near Buellton, Calif.

May 4, 0.24 second-foot

Salsipuedes Creek 0.9 mile above junction with Santa Ynez River, near Lompoc, Calif.

Oct. 11	.22	Dec. 27	.85	May 12	1.1	July 10	.30
Nov. 19	.21	Feb. 11	1.6	June 8	.49	Sept. 21	.14

Sisquoc River at junction with Tepusquet Canyon, Calif.

Mar. 10, 2.7 second-feet

Alamo Creek at junction with Cuyama River, near Santa Maria, Calif.

Oct. 19	1.1	Mar. 10	5.2	Apr. 16	4.9	June 11	2.8
Jan. 9	1.6	17	4.7	28	3.9	July 2	2.5
Feb. 20	54	31	4.3	May 15	2.7	28	2.8
Mar. 3	9.7	Apr. 7	14				

Salinas River Basin

Salinas River at highway bridge 3 miles south of Bradley, Calif.

May 6, 32.8 second-feet

Nacimiento River at mouth, near Bradley, Calif.

Jan. 3, 13.4 second-feet
May 6, 57 second-feet

San Joaquin River Basin

Granite Creek at former gaging station near Cattle Mountain, Calif.

Sept. 10, 0.2 second-foot

West Fork of Granite Creek at former gaging station near Cattle Mountain, Calif.

Sept. 10, 0.1 second-foot

Cherry Creek below diversion dam near mouth, Calif.
(Tributary to Tuolumne River)

May 12, 2,690 second-feet

San Joaquin River Basin--Continued

Rabbit Creek at former gaging station 600 feet above mouth and 3 miles northwest of Camanche, Calif.
(Tributary to Mokelumne River)

Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft	Date	Discharge Sec.-ft.	Date	Discharge Sec.-ft.
Jan. 9	78	Jan. 11	178	Jan. 20	2.4	Feb. 14	32.7
10	75		122	Feb. 1	41.7	24	29.0
10	28.7		11.0	3	5.9		

Goose Lake Basin

Antelope Creek in SE¼ sec. 15, T. 39 S., R. 18 E., near Lakeview, Oreg.

June 30, 0 second-foot

Cottonwood Creek at highway crossing, in NE¼ sec. 21, T. 39 S., R. 19 E., near Lakeview, Oreg.

June 30, 8.6 second-feet

Muddy Creek in SE¼ sec. 17, T. 39 S., R. 20 E., near Lakeview, Oreg.
(Tributary to Cottonwood Creek)

June 29, 0 second-foot

Thomas Creek in SW¼ sec. 8, T. 39 S., R. 20 E., near Lakeview, Oreg.

June 29, 2.4 second-feet

Crane Creek in NW¼ sec. 12, T. 40 S., R. 20 E., near Lakeview, Oreg.

June 29, 3.6 second-feet

Kelley Creek in NW¼ sec. 18, T. 41 S., R. 21 E., 1 mile north of California-Oregon State line

June 29, 3.6 second-feet

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