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Water-Supply Paper 789

SURFACE WATER SUPPLY *of the* UNITED STATES 1935

PART 9
COLORADO RIVER BASIN

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SURFACE WATER SUPPLY OF THE COLORADO RIVER BASIN, 1935

SCOPE OF WORK

This volume is one of a series of 14 reports presenting results of measurements of flow made on streams in the United States during the year ending September 30, 1935. The work was begun in 1888 in connection with special studies relating to irrigation. In the execution of the work, measurements of stream flow have been made at about 7,020 points in the United States and also at many points in Alaska and the Hawaiian Islands. In July 1935, 3,020 gaging stations were being maintained by the Geological Survey and the cooperating organizations. Many miscellaneous discharge measurements were made at other points.

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

EXPLANATION OF DATA

The base data collected at gaging stations consist of records of stage, measurements of discharge, and general information used to supplement the gage heights and discharge measurements in determining the daily flow. The records of stage are obtained either from direct readings on a nonrecording gage or from a water-stage recorder that gives a continuous record of the fluctuations. Measurements of discharge are made with a current meter by the general methods outlined in standard textbooks on the measurement of river discharge.

Typical gaging stations, equipped with water-stage recorder and measuring cable and car, are shown on plate 1.

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

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

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

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

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

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

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

The station description gives a statement in regard to the general accuracy of the records. "Excellent" indicates that, in general, the daily records are accurate within 5 percent; "good", within 10 percent; "fair", within 15 percent; and "poor", within 20 percent or more.

The monthly means for any station may represent with high accuracy the quantity of

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.

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

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

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

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

PUBLICATIONS

The results of stream-flow measurements are now published annually in 14 parts (parts 12, 13, and 14 were formerly 12-A, 12-B, and 12-C), each part covering an area whose boundaries coincide with natural drainage features as indicated below:

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

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

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

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

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

Augusta, Maine, Statehouse.
Boston, Mass., 945 Post Office Building.
Hartford, Conn., 203 Federal Building.
Albany, N. Y., 526 Federal Building.
Trenton, N. J., 228 Federal Building.
Harrisburg, Pa., 490 Education Building.
Charlottesville, Va., University of Virginia.
South Charleston, W. Va., Naval Ordnance Plant.
Asheville, N. C., 220 Post Office Building.
Columbia, S. C., 801 National Loan & Exchange Bank Building.
Ocala, Fla., Post Office Building.
Montgomery, Ala., Post Office Building.
Chattanooga, Tenn., 217 Post Office Building.
Columbus, Ohio, Engineering Experiment Station, Ohio State University.
Indianapolis, Ind., 319 Federal Building.
Urbana, Ill., 14 Post Office Annex.
Madison, Wis., 337N State Capitol.
St. Paul, Minn., 808 New Post Office Building.
Iowa City, Iowa, 402 Hydraulic Laboratory, University of Iowa.
St. Louis, Mo., 906 Customhouse, 1114 Market Street.
Rolla, Mo., Missouri Geological Survey Building, Missouri School of Mines and Metallurgy.
Topeka, Kans., 305 Federal Building.
Fort Smith, Ark., Post Office Building.
Austin, Tex., State Highway Building.
Santa Fe, N. Mex., 3 United States Courthouse.
Tucson, Ariz., 210 Post Office Building.
Denver, Colo., 403 Post Office Building.
Salt Lake City, Utah, 303 Federal Building.
Idaho Falls, Idaho, 228 Federal Building.
Boise, Idaho, 429 Federal Building.
Helena, Mont., 421 Federal Building.
Tacoma, Wash., 406 Federal Building.
Portland, Oreg., 606 Post Office Building.
San Francisco, Calif., 303 Customhouse.
Los Angeles, Calif., 512 Eighth and Figueroa Building.
Honolulu, Hawaii, 225 Federal Building.

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

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

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

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

Report	Character of data	Year
10th A, pt. 2	Descriptive information only.....	
11th A, pt. 2	Monthly discharge and descriptive information.....	1884 to Sept. 1890.
12th A, pt. 2	.....do.....	1884 to June 30, 1891.
13th A, pt. 3	.....do.....	1884 to Dec. 31, 1892.
14th A, pt. 2	Monthly discharge (long-time records, 1871-93).....	1868 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.

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

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

Report	Character of data	Year
W 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 12.

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

The following table gives, by years and drainage basins, the numbers of the papers on surface-water supply published from 1899 to 1935. The data for any particular station will, in general, be found in the reports covering the years during which the station was maintained. For example, data from 1910 to 1920 for any station in the area covered by part 3 are published in Water-Supply Papers 283, 303, 323, 353, 383, 403, 433, 453, 473, and 503, which contain records for the Ohio River Basin for those years. Special papers containing compilation of records previously published and also records not contained in the annual series of water-supply papers have been published for some States and drainage basins. For example, stream-flow records for the New-Kanawha River Basin in part 3 from 1895 to 1920 are contained in Water-Supply Paper 536.

Numbers of water-supply papers containing results of stream measurements, 1899-1935

(For basins included, see p. 9)

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

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

COOPERATION

The work in the several States was done under cooperative agreements as follows: In Arizona with office of State water commissioner, Edwin T. Stewart, beginning July 1, 1935; for certain stations in Salt River Basin with the Salt River Valley Water Users' Association; and those on the Colorado River near Topock and near Parker with the Metropolitan Water District of Southern California. In Colorado with the office of the State engineer, M. C. Hinderlider; in New Mexico with the office of the State engineer, Thomas M. McClure; in Utah with the office of the State engineer, T. H. Humphreys; in Wyoming with the office of the State engineer, E. W. Burritt.

Assistance in collecting the records was rendered by the following organizations and corporations: In Arizona and New Mexico by the United States Indian Service; in Colorado by the Denver Board of Water Commissioners; in Utah by the National Park Service, the United States Indian Service, and the Utah Power & Light Co.; and in Wyoming by the United States Weather Bureau.

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

DIVISION OF WORK

Data for stations in the several States were collected and prepared for publication under supervision of district engineers as follows: In Arizona, except for Virgin River at Littlefield, and Colorado River near Picacho, Calif., W. E. Dickinson; in Colorado, except as noted for New Mexico, Robert Follansbee, in collaboration with M. C. Hinderlider, State engineer, and L. T. Burgess, State chief hydrographer; in New Mexico and for stations in Colorado on the San Juan River and its tributaries above the Animas River, Berkeley Johnson; in Utah with the exceptions named below, and for the station on Virgin River at Littlefield, Ariz., A. B. Purton; in Wyoming and for stations in Utah on Green River near Linwood, Henrys Fork at Linwood, and White River near Watson, Robert Follansbee.

COLORADO RIVER BASIN

COLORADO RIVER AND TRIBUTARIES ABOVE GREEN RIVER

Colorado River near Grand Lake, Colo.

Location.- Water-stage recorder, lat. 40°14', long. 105°51', in sec. 13, T. 3 N., R. 76 W., 3 miles south of Grand Lake.

Drainage area.- 101 square miles.

Records available.- July 1904 to September 1909, September 1910 to September 1918, May 1934 to September 1935.

Average discharge.- 14 years, 139 second-feet.

Extremes.- Maximum discharge during period, 914 second-feet June 16 (gage height, 5.18 feet); minimum occurred during winter.
1904-9, 1910-18, 1934-35: Maximum discharge, 1,840 second-feet June 15, 16, 1918 (gage height, 7.0 feet at former site); minimum, 1.6 second-feet July 17, 1934.

Remarks.- Records good except those for estimated periods, Nov. 19-22, Nov. 25 to Dec. 9, Dec. 22, 23, 26, Dec. 30 to Mar. 20, Mar. 25, Apr. 7, 9-11, which are fair. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Nov. 5 to Dec. 29 and July 6 to Aug. 9)

1.6	4	2.6	84	3.6	332
1.8	11	2.8	118	3.8	396
2.0	23	3.0	164	4.0	466
2.2	39	3.2	216	4.8	764
2.4	59	3.4	272	5.2	922

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	16	16			12	16	73	258	297	87	32
2	22	18	15			14	16	60	222	275	81	29
3	21	18	14			14	16	52	193	275	72	28
4	21	18	14			12	16	55	198	269	65	26
5	19	18	15			10	16	66	230	233	61	27
6	19	21	15			9	16	80	269	206	57	26
7	18	22	16			8	16	79	318	198	55	36
8	16	22	16			9	16	69	396	222	56	48
9	17	20	16			9	17	81	444	200	52	40
10	16	20	16	*14		9	18	98	520	195	47	35
11	16	20	16			9	20	96	556	272	44	32
12	16	20	20			10	22	92	627	330	42	29
13	16	21	23			11	22	103	669	185	40	29
14	12	22	24			12	24	103	734	167	39	27
15	12	21	22			11	29	88	830	148	37	25
16	13	22	17			9	40	80	882	134	36	25
17	15	19	23			8	38	90	764	134	46	24
18	16	16	16			8	39	130	567	164	40	23
19	17	16	16			9	50	107	488	156	35	22
20	18	17	16			9	54	78	198	159	33	22
21	18	17	15			9	69	69	567	177	32	22
22	16	18	14			9	72	74	563	169	32	22
23	16	19	15		*10	9	75	99	560	161	33	22
24	16	19	16			10	64	134	524	130	33	21
25	16	18	16			10	38	169	484	112	37	21
26	16	16	16			11	40	208	396	99	34	23
27	15	14	16			11	47	244	367	88	32	36
28	14	16	15			13	58	236	342	80	29	33
29	14	14	15			15	64	224	329	79	29	33
30	14	16	14			16	79	219	306	114	29	31
31	16	-	14			16	-	258	-	105	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	515	22	12	16.6	1,020
November	554	22	14	18.5	1,100
December	512	24	14	16.5	1,020
Calendar year					
January	403	-	-	13	799
February	336	-	-	12	666
March	331	16	8	10.7	657
April	1,107	79	16	36.9	2,200
May	3,620	258	52	117	7,180
June	14,151	882	193	472	28,070
July	5,433	297	79	175	10,780
August	1,374	87	29	44.3	2,730
September	849	48	21	28.3	1,680
Water year 1934-35	29,185	882	-	80.0	57,900

*Discharge measurement.

Colorado River near Granby, Colo.

Location.- Water-stage recorder, lat. 40°7', long. 105°54', in sec. 22, T. 2 N., R. 76 W., 4 miles northeast of Granby and 1 1/2 miles above mouth of Willow Creek.

Drainage area.- 322 square miles.

Records available.- June 1908 to September 1911, May 1934 to September 1935.

Extremes.- Maximum discharge during year, 3,370 second-feet June 16 (gage height, 4.71 feet); minimum occurred during winter.
1908-11, 1934-35: Maximum discharge, 4,100 second-feet June 20, 1909 (gage height, 5.5 feet, former datum); minimum occurred during period of incomplete record in winter.

Remarks.- Records excellent except those for period Nov. 28 to Apr. 14, which were estimated on the basis of two discharge measurements and temperature records. Diversions for irrigation above station.

Rating table, Apr. 15 to Sept. 30, 1935 (gage height, in feet, and discharge in second-feet)

0.8	18	1.6	238	2.4	672	3.2	1,360	4.0	2,380
1.0	48	1.8	332	2.6	800	3.4	1,590	4.2	2,660
1.2	90	2.0	438	2.8	960	3.6	1,840	4.4	2,940
1.4	153	2.2	552	3.0	1,150	3.8	2,100	4.6	3,220

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	41					50	132	1,020	1,490	363	150
2	71	47					50	118	845	1,420	363	146
3	71	47					50	104	697	1,390	342	118
4	71	54					50	101	660	1,490	318	112
5	69	49					50	110	697	1,350	308	101
6	67	50					50	132	868	1,210	284	98
7	62	52					50	136	1,100	1,130	266	110
8	58	52					50	128	1,380	1,130	266	150
9	56	52					55	139	1,610	1,070	256	150
10	54	52		*33			60	165	1,920	1,010	238	142
11	52	52					65	174	2,160	1,180	220	128
12	52	50					75	178	2,490	1,100	203	122
13	50	50					75	203	2,580	918	190	112
14	49	49					85	238	2,760	852	182	104
15	47	49					107	225	3,120	838	169	98
16	43	49					81	212	3,230	741	161	90
17	45	56					72	238	2,530	709	186	83
18	47	52					66	368	1,830	734	198	81
19	47	45					77	353	1,670	703	186	77
20	49	43					79	294	1,870	697	169	75
21	47	56					93	252	2,300	691	153	72
22	47	43					104	252	2,240	672	146	72
23	43	47			*36		112	308	2,300	666	150	68
24	43	45					110	395	2,130	606	153	68
25	43	39					88	506	1,940	546	165	68
26	43	36					90	630	1,580	494	165	70
27	43	38					104	787	1,590	460	161	110
28	41	37					118	860	1,540	427	150	104
29	41	36					118	830	1,430	416	142	98
30	39	36					136	808	1,430	472	132	96
31	38	-					-	1,010	-	472	128	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,599	71	38	51.6	3,170
November	1,404	56	36	46.8	2,780
December	1,116	-	-	36	2,210
Calendar year					
January	1,054	-	-	34	2,090
February	896	-	-	32	1,780
March	992	-	-	32	1,970
April	2,370	136	50	79.0	4,700
May	10,398	1,010	101	335	20,620
June	53,517	3,230	660	1,784	106,100
July	27,084	1,490	416	874	53,720
August	6,513	363	128	210	12,920
September	3,073	150	68	102	6,100
Water year 1934-35	110,016	3,230	-	301	218,200

*Discharge measurement.

Colorado River at Hot Sulphur Springs, Colo.

Location.- Water-stage recorder, lat. 40°5', long. 106°5', in sec. 1, T. 1 N., R. 78 W., 1 mile east of Hot Sulphur Springs and 3 miles above mouth of Beaver Creek.
Drainage area.- 782 square miles at site used since Sept. 19, 1930.
Records available.- July 1904 to September 1909, September 1910 to September 1924, October 1925 to September 1928, October 1933 to September 1935 in reports of U. S. Geological Survey; July 1904 to September 1909, September 1910 to September 1924, October 1925 to September 1935 in reports of State engineer. Chain gage prior to Sept. 19, 1930, 1 1/2 miles downstream from present site; records comparable.
Average discharge.- 28 years (1904-9, 1910-23, 1925-35), 749 second-feet.
Extremes.- Maximum discharge during year, 5,620 second-feet June 16 (gage height, 5.06 feet); minimum occurred during winter.
1904-9, 1910-24, 1925-35: Maximum discharge, 10,300 second-feet June 15, 1921 (gage height, 8.7 feet at former station); minimum occurred during period of no record in winter.
Remarks.- Records excellent except those for period of ice effect, Nov. 30 to Apr. 11, which were estimated on the basis of four discharge measurements and temperature records. Diversions above station for irrigation.

Rating table, water year 1934-35 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 29, and Sept. 1-30)

0.2	70	1.2	482	2.2	1,370	3.2	2,640	4.2	4,150
.4	132	1.4	602	2.4	1,610	3.4	2,920	4.4	4,490
.6	202	1.6	745	2.6	1,850	3.6	3,220	4.6	4,830
.8	284	1.8	925	2.8	2,100	3.8	3,520	4.8	5,170
1.0	378	2.0	1,140	3.0	2,360	4.0	3,830	5.0	5,510

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	166	94	106	82	88	82	139	364	2,160	2,270	622	330
2	166	103	106	82	91	82	139	335	1,870	2,130	583	302
3	163	97	106	85	88	82	142	298	1,560	2,130	546	271
4	149	106	103	85	88	82	146	266	1,540	2,140	517	262
5	135	106	103	88	85	85	149	280	1,610	1,960	505	280
6	132	110	97	88	85	88	149	330	1,850	1,780	471	271
7	129	126	94	88	85	88	156	359	2,160	1,680	450	266
8	122	126	91	88	85	88	166	378	2,510	1,740	450	302
9	119	126	88	88	85	88	173	383	2,860	1,610	428	307
10	119	126	85	86	85	88	184	403	3,310	1,550	403	271
11	113	122	85	85	85	88	202	433	3,690	1,670	378	236
12	113	110	82	85	85	91	206	460	4,120	1,710	364	221
13	110	110	82	85	82	94	213	511	4,350	1,390	340	206
14	110	110	82	85	79	94	298	565	4,640	1,290	312	198
15	106	110	84	85	79	91	344	540	5,100	1,160	307	195
16	100	113	85	85	82	88	383	505	5,370	1,120	302	188
17	100	110	82	82	85	91	312	577	4,400	1,110	373	180
18	100	139	82	82	85	91	253	822	3,320	1,230	354	173
19	103	129	82	82	85	94	289	830	3,010	1,120	321	170
20	103	110	82	79	88	97	316	670	3,190	1,110	284	163
21	103	126	82	76	84	100	316	577	3,690	1,070	275	152
22	97	116	82	76	85	103	354	590	3,600	1,050	266	152
23	94	132	82	82	85	103	349	715	3,640	1,040	275	152
24	97	113	82	85	82	106	330	906	3,370	896	307	149
25	106	110	82	85	79	110	262	1,100	3,140	804	340	149
26	103	129	82	85	79	113	253	1,380	2,600	722	330	159
27	100	119	82	88	79	116	302	1,670	2,570	663	302	221
28	94	116	82	88	82	122	354	1,830	2,500	629	302	225
29	97	113	82	85	-	125	344	1,830	2,230	629	293	217
30	91	110	79	85	-	129	373	1,750	2,270	745	280	206
31	88	-	79	85	-	132	-	2,090	-	745	284	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,528	166	88	114	7,000
November	3,467	139	94	116	6,880
December	2,703	106	79	87.2	5,360
Calendar year 1934	124,635	2,170	-	341	247,200
January	2,615	88	76	84.4	5,190
February	2,355	91	79	84.1	4,670
March	3,031	132	82	97.8	6,010
April	7,596	383	139	253	15,070
May	23,747	2,090	266	766	47,100
June	92,230	5,370	1,540	3,074	182,900
July	40,893	2,270	629	1,319	81,110
August	11,564	622	266	373	22,940
September	6,574	330	149	219	13,040
Water year 1934-35	200,303	5,370	76	549	397,300

Colorado River at Glenwood Springs, Colo.

Location.- Water-stage recorder, lat. 39°33', long. 107°19', in sec. 9, T. 6 S., R. 89 W., at Glenwood Springs, half a mile above mouth of Roaring Fork. Zero of gage is 5,720.71 feet above mean sea level.

Drainage area.- 4,560 square miles.

Records available.- January 1900 to September 1935. May to July 1899 at point just above Roaring Fork.

Average discharge.- 36 years, 3,046 second-feet.

Extremes.- Maximum discharge during year, 21,300 second-feet June 16 (gage height, 10.48 feet); minimum mean daily discharge, 286 second-feet Jan. 22.
1900-1935: Maximum discharge, 30,100 second-feet June 14, 15, 1918 (gage height, 12.55 feet); minimum mean daily discharge, that of Jan. 22, 1935.

Remarks.- Records good. Diversions for irrigation above station. During low-water period flow is regulated by Shoshone power plant 6 miles upstream.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	863	450	510	557	485	557	1,090	1,770	7,310	7,060	3,100	1,240
2	821	516	521	475	579	612	984	1,820	6,900	6,780	2,700	1,340
3	710	574	547	400	526	601	717	1,700	6,150	6,330	2,460	1,440
4	730	432	531	450	516	584	995	1,700	5,810	6,510	2,280	1,310
5	717	590	450	455	500	618	1,310	1,600	6,330	6,240	2,180	1,250
6	737	552	352	500	547	495	995	1,560	7,340	5,650	2,090	1,200
7	542	752	335	677	568	536	946	1,710	8,840	5,270	1,920	1,160
8	635	595	352	652	450	590	767	1,880	10,100	5,040	1,920	1,160
9	829	563	386	516	590	557	965	1,900	11,100	5,100	2,000	1,310
10	664	574	455	595	579	557	1,060	2,030	12,400	5,170	1,940	1,580
11	612	563	432	752	547	536	760	2,210	14,300	5,170	1,840	1,490
12	531	590	382	373	563	536	760	2,630	15,600	5,250	1,750	1,330
13	521	677	418	717	563	652	760	2,840	17,400	5,170	1,610	1,380
14	584	557	505	500	552	704	917	3,000	18,600	4,500	1,580	1,140
15	606	606	704	612	516	704	1,110	3,100	19,900	4,170	1,430	1,090
16	521	568	579	717	510	717	1,310	2,980	20,500	4,010	1,360	1,060
17	521	677	595	495	516	717	1,480	3,020	18,300	3,650	1,330	1,040
18	521	510	652	427	516	717	1,790	3,260	15,000	3,460	1,480	821
19	542	690	601	441	542	846	1,380	3,490	12,300	3,560	1,540	863
20	521	697	557	450	516	717	1,370	3,410	11,700	3,410	1,430	846
21	510	697	552	310	623	704	1,440	3,110	12,500	3,320	1,330	804
22	521	697	601	286	574	697	1,880	2,940	12,800	3,380	1,250	1,070
23	470	584	647	490	584	697	2,030	3,050	12,400	3,480	1,220	936
24	445	635	612	445	568	697	2,020	3,600	11,900	3,480	1,190	697
25	505	658	677	704	505	745	1,850	4,360	10,900	3,220	1,210	797
26	485	647	606	684	485	760	1,580	5,220	9,580	2,940	1,330	846
27	495	641	612	552	445	730	1,450	6,180	8,680	2,700	1,490	1,180
28	465	500	563	563	568	789	1,440	7,150	8,270	2,560	1,450	1,430
29	521	500	612	568	-	863	1,610	7,210	7,880	2,390	1,370	1,240
30	455	521	641	584	-	723	1,710	6,990	7,440	2,500	1,270	1,270
31	418	-	490	629	-	871	-	7,120	-	2,990	1,250	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	18,018	863	418	581	35,740
November	17,813	752	432	594	35,330
December	16,477	704	335	532	32,680
Calendar year 1934	497,686	8,010	335	1,364	987,200
January	16,576	752	286	535	32,880
February	15,033	623	445	537	29,820
March	20,929	871	495	672	41,310
April	38,476	2,030	717	1,283	76,320
May	104,540	7,210	1,560	3,372	207,400
June	348,230	20,500	5,810	11,610	690,700
July	134,460	7,060	2,390	4,338	266,700
August	52,300	3,100	1,190	1,687	103,700
September	34,320	1,580	697	1,144	68,070
Water year 1934-35	817,072	20,500	286	2,239	1,621,000

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Colorado River near Cameo, Colo.

Location.- Water-stage recorder, lat. 39°13', long. 108°15', in sec. 6, T. 10 S., R. 97 W., 6.7 miles northeast of Cameo and 3.4 miles above mouth of Plateau Creek.

Drainage area.- 8,055 square miles.

Records available.- October 1933 to September 1935.

Extremes.- Maximum discharge during year, 36,000 second-feet June 16 (gage height, 10.91 feet); minimum mean daily discharge, 738 second-feet Feb. 28.
1933-35: Maximum discharge, that of June 16, 1935; minimum mean daily discharge, that of Feb. 28, 1935.

Remarks.- Records good. Discharge estimated Oct. 1-9, Dec. 6-17, Jan. 2-12, 23-27. Numerous diversions for irrigation above station.

Rating table, June 18 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

1.9	1,260	3.4	3,300	4.8	5,970	8.0	17,980
2.0	1,320	3.6	3,600	5.0	6,500	8.5	20,500
2.2	1,630	3.8	3,920	5.5	8,000	9.0	23,100
2.4	1,900	4.0	4,250	6.0	9,600	9.5	25,880
2.6	2,180	4.2	4,620	6.5	11,380	10	28,800
2.8	2,460	4.4	5,030	7.0	13,380	10.5	31,840
3.0	2,740	4.6	5,480	7.5	15,640	11	35,040
3.2	3,020						

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,420	864	990	954	1,030	936	1,240	2,830	13,400	13,900	4,470	2,110
2	1,400	936	963	970	882	909	1,290	2,900	12,600	13,200	4,100	2,150
3	1,300	972	1,040	880	963	1,040	1,290	2,810	11,600	12,600	3,620	2,190
4	1,250	1,010	1,080	780	918	1,060	1,160	2,670	11,300	12,400	3,320	2,140
5	1,240	900	1,090	770	900	1,060	1,540	2,480	12,400	12,100	3,160	2,000
6	1,230	1,080	1,020	810	882	1,050	1,600	2,410	14,300	11,000	3,020	1,900
7	1,200	1,080	980	850	963	846	1,370	2,530	16,900	10,100	2,880	1,890
8	1,180	1,150	900	930	1,020	891	1,330	2,710	19,300	9,770	2,810	2,080
9	1,330	1,110	930	1,000	1,020	918	2,030	2,900	21,400	9,440	2,880	2,350
10	1,150	1,070	960	920	1,040	891	2,100	3,120	24,300	9,540	2,850	2,420
11	1,100	1,040	1,020	940	972	891	1,700	3,390	26,600	9,770	2,680	2,490
12	1,070	1,040	1,000	980	954	891	1,200	3,850	28,500	9,280	2,570	2,360
13	1,040	1,080	920	900	945	882	1,220	4,520	30,800	9,340	2,460	2,180
14	1,020	1,170	920	1,070	954	882	1,260	5,110	32,100	8,480	2,320	2,150
15	999	1,030	930	972	963	927	1,260	5,160	34,300	7,680	2,180	1,910
16	1,040	1,060	1,000	1,270	837	1,020	1,310	4,940	34,900	7,190	2,100	1,860
17	1,030	1,040	1,110	1,150	882	1,070	2,080	4,850	30,700	6,450	2,040	1,770
18	1,010	1,040	1,220	900	927	1,080	2,350	5,250	26,200	5,940	2,100	1,680
19	999	963	1,160	936	945	1,130	2,350	6,000	22,900	5,900	2,210	1,550
20	1,050	1,140	1,110	954	972	1,220	2,060	5,980	21,600	5,820	2,170	1,510
21	1,080	1,110	1,030	1,120	972	1,070	2,200	5,410	23,000	5,530	2,010	1,420
22	972	1,080	1,010	900	1,060	1,060	2,500	5,000	23,600	5,300	1,910	1,390
23	1,010	1,080	1,030	890	972	1,100	3,020	5,130	23,100	5,360	1,870	1,380
24	954	972	1,030	820	999	1,050	3,080	5,950	22,600	5,250	1,940	1,340
25	909	1,050	990	920	945	1,050	2,960	7,660	21,100	4,990	1,910	1,320
26	936	1,060	1,010	1,110	873	1,070	2,710	9,280	18,700	4,520	2,280	1,620
27	927	1,060	855	1,270	819	1,120	2,620	11,100	17,300	4,130	2,390	2,430
28	945	1,050	945	1,360	738	1,080	2,350	13,200	16,400	3,870	2,390	2,490
29	927	927	918	1,340	-	1,130	2,430	14,100	15,000	3,660	2,250	2,420
30	963	981	999	1,270	-	1,160	2,640	13,400	14,400	3,540	2,150	2,320
31	900	-	954	1,130	-	1,150	-	13,500	-	3,820	2,070	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	33,591	1,420	900	1,084	66,630
November	31,125	1,170	864	1,038	61,740
December	31,114	1,220	855	1,004	61,710
Calendar year 1934	896,724	14,700	855	2,457	1,779,000
January	31,066	1,360	770	1,002	61,620
February	26,347	1,060	738	941	52,260
March	31,634	1,220	846	1,020	62,750
April	58,250	3,080	1,160	1,942	115,500
May	180,140	14,100	2,410	5,811	357,300
June	641,300	34,900	11,300	21,380	1,272,000
July	239,870	13,900	3,540	7,738	475,800
August	79,110	4,470	1,870	2,552	156,900
September	58,820	2,490	1,320	1,961	116,700
Water year 1934-35	1,442,367	34,900	738	3,952	2,861,000

Colorado River near Cisco, Utah

Location.- Water-stage recorder, lat. 38°49', long. 109°18', in NW¼ sec. 17, T. 23 S., R. 24 E., 1 mile below mouth of Dolores River and 11 miles south of Cisco.

Drainage area.- 24,100 square miles.

Records available.- November 1914 to September 1917, October 1922 to September 1935. October 1913 to November 1914 at Moab, 30 miles downstream; flow about same at both places.

Average discharge.- 17 years, 8,580 second-feet.

Extremes.- Maximum discharge during year, 54,600 second-feet June 16 (gage height, 16.0 feet); minimum, 1,010 second-feet Oct. 19 (gage height, 0.95 foot).
1914-17, 1922-35: Maximum discharge, 76,800 second-feet June 19, 1917 (gage height, 19.7 feet); minimum recorded, 558 second-feet July 21, 1934 (gage height, 0.44 foot).

Remarks.- Records excellent. Discharge estimated Dec. 4-6. Diversions for irrigation and power above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,580	1,280	2,030	2,110	2,230	1,770	2,500	6,220	23,300	18,500	4,890	3,780
2	1,670	1,190	1,960	1,780	2,190	1,950	2,940	6,220	21,300	17,700	5,320	3,210
3	1,580	1,240	1,920	1,640	2,030	2,070	3,400	5,880	19,700	16,900	5,100	3,210
4	1,520	1,340	1,780	1,630	2,040	2,230	3,490	5,650	19,700	16,200	4,470	3,120
5	1,440	1,410	1,700	1,540	1,980	2,340	3,680	5,210	20,900	15,800	4,270	2,760
6	1,390	1,470	1,650	1,680	1,920	2,200	3,870	5,000	23,700	14,700	3,870	2,500
7	1,360	1,410	1,640	2,110	2,010	2,070	3,780	4,580	27,100	13,300	3,780	2,420
8	1,360	1,560	1,610	2,140	2,060	1,880	3,210	5,100	30,900	12,200	3,490	3,120
9	1,420	1,610	1,750	2,250	2,150	1,870	3,400	5,990	33,900	11,900	3,400	3,300
10	1,170	1,710	1,800	2,200	2,120	1,980	4,170	7,430	37,000	11,600	3,680	3,680
11	1,230	1,720	1,900	2,150	2,040	1,950	3,300	8,220	41,000	11,900	3,970	3,780
12	1,320	1,670	1,980	2,500	1,990	1,900	2,760	9,360	44,100	11,900	3,870	3,680
13	1,320	1,650	2,120	2,590	1,950	1,820	2,500	10,300	46,400	11,600	3,580	3,400
14	1,260	1,680	2,090	2,230	1,990	1,900	2,760	11,900	47,700	11,600	3,300	3,030
15	1,270	1,740	2,270	2,370	1,980	2,110	3,680	12,900	50,500	10,600	2,940	2,850
16	1,380	1,700	2,590	2,270	1,900	2,350	4,580	12,200	53,200	9,660	3,030	2,590
17	1,280	1,650	2,940	2,590	1,810	2,280	5,100	11,200	53,200	9,780	2,850	2,420
18	1,320	1,700	2,590	2,350	1,800	2,350	5,540	10,600	44,600	9,220	2,850	2,350
19	1,320	1,770	2,390	1,960	1,720	2,270	5,210	11,900	36,100	8,500	2,680	2,200
20	1,330	2,110	2,220	1,700	1,920	2,280	5,210	13,300	33,500	9,360	2,760	1,930
21	1,310	1,930	2,090	1,700	2,040	2,370	5,000	13,300	33,000	8,500	2,680	1,880
22	1,340	2,030	2,090	1,550	2,200	2,190	5,430	11,900	35,700	8,500	2,420	1,810
23	1,420	2,010	2,110	1,540	2,170	2,060	6,220	11,200	34,400	8,220	2,280	1,740
24	1,320	2,030	2,250	1,600	2,150	2,070	6,930	12,600	32,600	7,950	2,590	1,720
25	1,300	1,960	2,170	1,880	2,150	2,090	6,450	15,400	31,800	7,430	2,760	1,770
26	1,320	1,980	2,170	2,190	2,070	2,110	6,220	18,500	28,300	6,450	2,850	2,760
27	1,250	2,140	2,190	2,390	1,950	2,110	5,540	21,300	24,600	5,880	3,580	3,300
28	1,280	2,190	1,950	2,420	1,870	2,090	5,320	23,300	22,900	5,650	4,070	4,680
29	1,230	2,110	2,060	2,250	-	2,110	5,650	25,400	21,300	5,210	4,070	4,680
30	1,310	1,920	2,120	2,280	-	1,960	5,990	25,000	19,300	4,470	3,870	4,470
31	1,330	-	2,120	2,250	-	2,230	-	23,300	-	4,780	3,490	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	41,930	1,670	1,170	1,353	83,170
November	51,910	2,190	1,190	1,730	103,000
December	64,250	2,940	1,610	2,073	127,400
Calendar year 1934	1,042,334	16,800	640	2,856	2,067,000
January	63,840	2,590	1,540	2,059	126,600
February	56,430	2,230	1,720	2,015	111,900
March	64,960	2,370	1,770	2,095	128,800
April	133,830	6,930	2,500	4,461	265,400
May	370,360	25,400	4,580	11,950	734,600
June	991,700	53,200	19,300	33,060	1,967,000
July	323,960	18,500	4,470	10,450	642,600
August	108,760	5,320	2,280	3,508	215,700
September	88,140	4,680	1,720	2,938	174,800
Water year 1934-35	2,360,070	53,200	1,170	6,466	4,681,000

Colorado River at Lees Ferry, Ariz.

Location.- Water-stage recorder, lat. 36°51'30", long. 111°35'45", in NE¼SE¼ sec. 13, T. 40 N., R. 7 E., at head of Marble Gorge, at Lees Ferry, a short distance above mouth of Paria River. Zero of gage is 3,106.35 feet above mean sea level.

Drainage area.- 107,900 square miles.

Records available.- June 1921 to September 1935.

Average discharge.- 13 years (1922-35), 17,360 second-feet.

Extremes.- Maximum discharge during year, 105,000 second-feet June 19 (gage height, 18.90 feet); minimum, 2,060 second-feet Oct. 17 (gage height, 5.55 feet).
1921-35: Maximum discharge, about 190,000 second-feet June 18, 1921 (gage height, 26.5 feet); minimum, 750 second-feet Dec. 27, 1924 (gage height, 4.2 feet).
Flood of 1884, 3,137.1 feet above mean sea level at mouth of Paria River.

Remarks.- Records excellent. Discharge estimated for the periods Jan. 20-24 and Feb. 1-4, owing to ice effect, and for the periods Mar. 13 and Sept. 25-29 by comparison with Grand Canyon station. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,770	2,540	3,560	4,150	5,100	5,190	6,680	13,400	49,200	46,000	10,700	8,900
2	3,240	2,490	3,710	4,100	5,000	5,110	7,000	14,200	49,300	42,600	10,400	9,350
3	3,120	2,400	3,780	4,150	4,950	4,920	7,610	15,900	49,800	40,700	9,740	9,270
4	2,830	2,390	3,760	4,100	5,150	4,750	7,610	16,400	48,200	38,300	9,620	8,560
5	2,720	2,450	3,580	3,940	5,160	4,420	7,860	17,000	44,900	36,200	9,970	7,770
6	2,680	2,450	3,520	3,870	5,160	4,650	8,820	15,200	45,300	34,300	9,700	7,170
7	2,640	2,400	3,350	3,580	4,890	5,160	9,510	14,000	48,000	32,100	9,740	6,550
8	2,590	2,370	3,080	3,500	4,780	5,330	9,470	13,200	53,300	30,900	9,540	6,110
9	2,610	2,450	2,850	3,540	4,750	5,360	9,740	13,100	55,500	28,600	9,310	5,890
10	2,570	2,610	2,680	3,520	4,890	5,480	11,300	12,700	61,900	27,200	8,930	5,950
11	2,450	2,750	2,590	3,870	5,080	5,360	10,600	12,600	65,900	26,000	9,120	5,530
12	2,340	2,700	2,610	4,700	5,000	5,220	11,700	13,700	70,500	25,000	8,620	5,500
13	2,300	2,720	2,810	5,420	4,860	5,200	9,580	15,300	78,100	24,100	8,060	6,170
14	2,220	2,860	3,220	5,190	5,000	5,020	9,240	17,500	84,400	23,900	7,920	6,140
15	2,250	3,020	3,600	4,940	4,890	4,830	8,780	19,600	86,300	23,200	7,860	6,520
16	2,170	3,060	3,650	5,190	5,020	4,830	8,460	22,900	90,000	22,200	8,560	6,970
17	2,090	3,080	4,050	5,890	4,920	4,830	8,930	24,900	96,800	21,600	7,510	6,200
18	2,270	3,040	4,340	5,450	4,970	5,500	10,400	23,700	103,800	20,000	7,720	5,530
19	2,200	3,100	4,200	5,160	4,920	5,740	12,100	24,100	98,000	18,200	7,230	5,130
20	2,170	3,240	4,150	4,830	4,780	5,770	13,100	25,000	85,800	20,400	7,340	5,250
21	2,280	3,520	4,270	4,650	4,600	5,770	13,600	26,000	78,500	17,700	7,920	4,860
22	2,400	3,430	4,320	4,250	4,370	5,860	14,000	28,200	74,400	17,100	7,100	4,440
23	2,280	3,540	4,200	3,700	4,270	5,950	13,400	32,000	75,000	17,400	7,230	4,130
24	2,300	3,480	4,080	2,950	4,300	6,080	13,100	29,300	71,900	15,900	6,490	3,890
25	2,350	3,650	3,940	2,610	4,750	6,230	13,100	26,400	67,800	15,600	6,770	3,900
26	2,400	3,650	3,960	2,540	5,270	6,390	14,400	26,800	63,800	14,700	6,650	4,000
27	2,340	3,690	4,050	2,490	5,360	6,110	16,400	28,600	62,000	14,100	8,600	12,200
28	2,520	3,760	4,130	2,750	5,190	6,140	15,200	34,800	58,600	13,300	8,930	11,400
29	2,560	3,760	4,250	3,350	-	6,200	13,700	39,100	53,500	12,300	8,820	10,900
30	2,440	3,600	4,150	4,420	-	6,230	13,300	43,500	49,800	11,200	7,890	20,000
31	2,490	-	4,170	5,050	-	6,490	-	47,500	-	10,700	8,170	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	76,590	3,240	2,090	2,471	151,900
November	90,200	3,760	2,370	3,007	178,900
December	114,610	4,340	2,590	3,697	227,300
Calendar year 1934	1,990,700	24,700	1,110	5,454	3,948,000
January	127,850	5,890	2,490	4,124	253,600
February	137,380	5,360	4,270	4,906	272,500
March	170,120	6,490	4,420	5,488	337,400
April	328,690	16,400	6,680	10,960	651,900
May	706,600	47,500	12,600	22,790	1,401,500
June	2,018,300	103,800	44,900	67,280	4,003,200
July	741,700	46,000	10,700	23,930	1,471,100
August	262,360	10,700	6,490	8,463	520,400
September	214,180	20,000	3,890	7,139	424,800
Water year 1934-35	4,988,580	103,800	2,090	13,670	9,894,000

Colorado River at Bright Angel Creek, near Grand Canyon, Ariz.

Location.- Two water-stage recorders, lat. 36°5'55", long. 112°5'30", at Kaibab Bridge, a quarter of a mile above Bright Angel Creek and 11 miles by trail northeast of Grand Canyon, Coconino County. Zero of gage is 2,420.3 feet above mean sea level.

Drainage area.- 138,700 square miles.

Records available.- October 1922 to September 1935.

Average discharge.- 13 years, 17,980 second-feet.

Extremes.- Maximum discharge during year, 105,300 second-feet June 19 (gage height, 26.82 feet); minimum, 2,390 second-feet Oct. 18 (gage height, 1.03 feet).
1922-35: Maximum discharge, 127,000 second-feet July 2, 1927 (gage height, 29.25 feet); minimum, 700 second-feet Dec. 28, 1924 (gage height, -0.70 foot).

Remarks.- Records excellent. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,080	2,810	3,920	4,400	5,300	5,680	7,970	13,700	48,100	47,600	10,800	9,140
2	3,070	2,820	3,870	4,420	5,320	5,540	8,260	14,300	48,600	43,800	11,000	10,500
3	3,500	2,760	4,000	4,360	5,310	5,460	8,890	15,600	49,400	41,200	10,600	11,700
4	3,460	2,720	4,040	4,410	5,330	5,230	9,480	16,700	48,700	39,200	10,000	12,300
5	3,220	2,720	3,970	4,340	5,560	5,040	9,330	17,400	46,200	36,800	10,500	10,100
6	3,060	2,760	3,800	4,210	5,560	4,780	9,630	16,400	45,400	35,000	12,700	8,630
7	2,930	2,800	3,740	4,200	5,560	5,060	10,900	15,300	47,100	33,400	11,100	7,670
8	2,910	2,740	3,570	3,990	5,370	5,770	11,600	14,100	50,700	31,800	10,700	6,880
9	2,990	2,720	3,300	4,210	5,240	5,920	11,600	13,600	54,200	29,700	10,300	6,450
10	2,930	2,810	3,080	4,460	5,650	5,890	12,300	13,400	57,800	27,700	9,950	6,250
11	2,830	2,910	2,950	4,160	6,300	5,890	15,600	13,100	63,600	26,500	10,200	6,270
12	2,740	3,000	2,830	5,220	6,000	5,620	14,400	13,300	69,800	25,300	10,200	5,820
13	2,670	2,990	2,880	5,650	5,880	5,530	13,200	14,300	72,600	24,300	9,330	5,950
14	2,610	3,030	3,120	7,980	6,340	5,480	11,300	16,200	84,300	23,800	8,720	6,490
15	2,580	3,170	3,500	6,380	6,020	5,360	10,800	18,500	86,400	23,200	8,880	6,410
16	2,590	3,330	3,860	5,690	5,580	5,090	10,200	20,900	87,200	22,400	9,040	6,870
17	2,460	3,470	3,980	5,950	5,560	5,090	10,000	24,100	91,900	21,900	9,680	7,190
18	2,430	3,460	4,420	6,350	5,520	7,420	10,900	24,000	101,400	20,900	8,120	6,370
19	2,530	3,440	4,630	5,970	5,580	8,080	12,300	23,300	103,100	19,500	8,400	5,740
20	2,520	3,470	4,480	5,800	5,400	7,380	13,500	24,000	89,000	18,900	7,560	5,450
21	2,490	3,560	4,460	5,130	5,270	6,920	14,100	25,200	80,900	20,800	8,040	5,480
22	2,590	3,830	4,660	4,970	4,970	6,790	14,700	26,300	77,000	17,200	8,140	5,100
23	2,690	3,780	4,780	4,880	4,710	6,730	14,400	29,700	73,800	18,000	7,600	4,740
24	2,670	3,850	4,540	4,050	4,580	6,590	13,900	31,000	73,400	17,100	7,660	4,500
25	2,690	3,830	4,340	3,360	4,800	6,730	13,600	26,800	70,300	16,000	7,380	4,360
26	2,690	3,990	4,160	2,940	5,570	6,940	14,000	26,000	65,400	15,700	9,640	4,440
27	2,680	3,930	4,200	3,000	6,100	6,940	15,800	27,300	63,500	14,800	8,470	7,420
28	2,680	4,000	4,280	3,040	5,990	6,650	16,900	31,100	58,800	14,100	10,600	13,000
29	2,750	4,030	4,410	3,300	-	6,700	15,200	36,200	53,700	13,000	9,950	9,630
30	2,840	3,990	4,470	3,910	-	6,940	14,000	40,000	50,300	12,100	8,980	18,100
31	2,810	-	4,400	4,820	-	7,440	-	44,500	-	11,400	8,240	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	86,690	3,500	2,430	2,796	171,900
November	98,720	4,030	2,720	3,291	195,800
December	122,640	4,780	2,830	3,956	243,300
Calendar year 1934	2,110,210	24,900	1,490	5,781	4,186,000
January	145,250	7,980	2,940	4,685	288,100
February	154,370	6,300	4,580	5,513	306,200
March	190,680	8,080	4,780	6,151	378,200
April	368,760	16,900	7,970	12,290	731,400
May	686,300	44,500	13,100	22,140	1,361,300
June	2,012,600	103,100	45,400	67,090	3,991,900
July	763,100	47,600	11,400	24,620	1,513,600
August	292,480	12,700	7,380	9,435	580,100
September	228,950	18,100	4,360	7,632	454,100
Water year 1934-35	5,150,540	103,100	2,430	14,110	10,216,000

Lake Mead at Boulder Dam, Ariz.-Nev.

Location.- Water-stage recorder on Boulder Dam in Colorado River. Datum of gage is mean sea level.
Drainage area.- 169,800 square miles.
Records available.- February to September 1935.
Extremes.- Maximum contents during period, 4,608,000 acre-feet July 30 to Aug. 2 (elevation of water surface, 928.4 feet); no storage prior to 8:40 a.m., Feb. 1.
Remarks.- Storage was begun Feb. 1. Storage capacity, 29,406,000 acre-feet at spillway elevation, 1,221.40 feet, at top of automatic gates. Unavailable storage, 78,000 acre-feet below lowest temporary outlet. Records of daily elevation and contents furnished by U. S. Bureau of Reclamation.

Elevation, in feet, 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					650.0	708.6	701.4	754.3	809.6	910.8	928.4	925.8
2					670.0	708.1	701.2	755.9	812.8	912.4	928.4	925.7
3					673.2	707.7	701.5	757.4	817.7	913.9	928.3	925.6
4					675.5	707.3	701.9	758.9	820.9	915.1	928.2	925.6
5					675.9	707.2	702.7	760.7	823.9	916.3	928.2	925.6
6					676.5	707.2	703.8	762.5	826.5	917.3	928.1	925.6
7					679.1	707.2	704.9	764.4	829.0	918.1	928.0	925.6
8					681.4	707.2	706.4	766.0	831.5	918.9	928.0	925.5
9					684.1	706.0	708.1	767.4	834.2	919.7	928.0	925.4
10					688.2	705.2	711.5	768.7	835.6	920.5	928.0	925.2
11					693.0	704.8	714.2	769.8	838.9	921.3	927.8	924.9
12					696.0	704.5	716.1	770.9	842.4	922.2	927.8	924.7
13					699.5	704.2	719.6	772.3	846.0	922.7	927.7	924.4
14					701.8	703.8	722.7	773.4	849.8	923.3	927.7	924.2
15					702.7	703.6	725.0	774.7	854.2	923.8	927.6	924.0
16					705.2	703.4	726.8	776.3	858.7	924.4	927.6	923.8
17					705.9	603.2	728.3	778.6	863.3	924.9	927.6	923.6
18					706.9	702.5	729.6	781.0	868.1	925.3	927.5	923.4
19					707.3	701.7	730.7	783.4	873.1	925.7	927.4	923.2
20					708.2	701.4	731.9	786.0	878.2	926.2	927.3	923.0
21					709.0	701.9	733.6	788.2	883.0	926.6	927.2	922.8
22					709.3	702.6	735.7	790.2	886.8	926.9	927.0	922.6
23					709.4	702.7	738.1	792.0	890.1	927.2	926.9	922.3
24					709.5	702.7	740.2	793.9	893.1	927.4	926.7	922.0
25					709.5	702.6	742.3	795.9	896.4	927.6	926.4	921.8
26					709.3	702.5	744.2	798.5	899.4	927.8	926.3	921.6
27					709.2	702.4	746.0	799.2	902.2	928.0	926.2	921.2
28					708.7	702.4	748.0	800.9	904.7	928.2	926.2	920.8
29					-	702.4	750.1	802.2	907.1	928.3	926.0	920.6
30					-	702.2	752.4	805.0	909.1	928.4	925.9	920.8
31					-	701.7	-	806.6	-	928.4	925.9	-

Contents, in thousands of acre-feet, 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					4	114	84	417	1,133	3,900	4,608	4,500
2					13	109	84	432	1,200	4,000	4,608	4,500
3					16	106	84	447	1,270	4,025	4,600	4,500
4					20	105	84	458	1,320	4,075	4,600	4,500
5					21	105	87	478	1,370	4,120	4,600	4,500
6					22	105	90	495	1,410	4,160	4,600	4,500
7					25	105	95	512	1,460	4,200	4,592	4,500
8					30	103	104	528	1,510	4,220	4,592	4,490
9					35	100	109	547	1,580	4,230	4,592	4,480
10					44	95	124	556	1,600	4,250	4,592	4,470
11					56	95	138	567	1,675	4,280	4,592	4,460
12					64	94	150	579	1,775	4,320	4,584	4,450
13					78	92	167	600	1,825	4,360	4,580	4,430
14					84	90	184	612	1,925	4,400	4,580	4,420
15					88	89	200	623	2,050	4,410	4,576	4,420
16					95	89	210	645	2,175	4,430	4,576	4,410
17					100	87	222	672	2,300	4,460	4,576	4,410
18					105	85	227	700	2,430	4,480	4,576	4,400
19					105	84	233	732	2,600	4,500	4,568	4,400
20					109	83	243	768	2,770	4,520	4,560	4,380
21					114	84	257	797	2,900	4,540	4,555	4,360
22					116	85	268	823	3,025	4,550	4,550	4,350
23					116	87	290	850	3,150	4,560	4,550	4,330
24					117	87	304	880	3,275	4,568	4,540	4,310
25					117	87	322	909	3,380	4,576	4,530	4,300
26					116	85	336	950	3,500	4,584	4,520	4,290
27					115	85	350	961	3,600	4,592	4,520	4,280
28					114	85	368	989	3,700	4,600	4,510	4,270
29					-	85	385	1,012	3,775	4,600	4,500	4,260
30					-	84	402	1,055	3,875	4,608	4,500	4,270
31					-	84	-	1,080	-	4,608	4,500	-

Colorado River near Willow Beach, Ariz.

Location.- Water-stage recorder, lat. 35°53'30", long. 114°41'15", in sec. 18, T. 29 N., R. 22 W., 2 miles above Willow Beach and 10 miles below Boulder Dam. Zero of gage is 594.83 feet above mean sea level (from levels by U. S. Bureau of Reclamation).

Drainage area.- 169,900 square miles.

Records available.- April 1934 to September 1935.

Extremes.- Maximum discharge during year, 19,400 second-feet June 23; maximum gage height, 32.90 feet June 24; minimum discharge, 33 second-feet Feb. 11 (gage height, 25.78 feet); minimum mean daily discharge, 152 second-feet Feb. 10.

Remarks.- Records excellent. Diversions for irrigation above station. Discharge regulated at Boulder Dam beginning Feb. 1, 1935.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,620	3,020	4,310	4,940	2,890	6,910	7,720	6,470	15,200	15,000	10,100	10,100
2	4,220	3,070	4,340	4,970	3,030	6,990	7,690	7,220	15,300	15,000	10,200	10,000
3	3,690	3,080	4,400	4,880	2,760	7,070	7,620	7,350	15,200	15,000	10,500	9,960
4	3,370	3,040	4,430	4,880	5,390	6,980	7,650	7,650	15,800	15,000	10,000	10,100
5	3,110	3,080	4,310	4,940	5,420	6,460	7,550	7,720	15,600	15,000	10,200	9,960
6	3,580	3,090	4,370	5,130	5,430	5,860	7,380	7,690	15,900	15,300	10,200	10,100
7	3,640	3,010	4,430	5,320	4,360	5,950	7,350	7,350	16,300	15,200	10,200	10,000
8	3,530	3,080	4,370	4,970	4,650	6,770	7,420	7,320	16,300	15,000	10,200	10,100
9	3,330	3,050	4,190	4,840	3,610	7,070	7,320	7,420	16,200	13,300	10,200	9,960
10	3,310	3,050	4,160	4,680	152	7,030	6,710	7,120	16,400	10,000	10,300	10,000
11	3,210	3,020	3,970	4,650	171	7,070	6,740	6,860	16,800	10,200	10,100	10,000
12	3,170	2,970	3,730	5,130	508	6,980	7,450	7,320	17,000	10,100	10,200	10,100
13	3,120	3,060	3,580	5,260	540	6,950	7,330	6,830	17,200	10,200	10,200	10,000
14	3,090	3,140	3,640	5,000	2,310	6,970	7,450	6,520	17,300	10,000	10,000	9,920
15	2,920	3,270	3,640	6,060	3,090	6,860	7,420	6,610	17,300	9,960	10,300	10,100
16	2,880	3,390	3,880	7,450	3,220	6,940	6,860	6,550	17,600	10,200	10,200	10,100
17	2,820	3,360	4,370	7,560	4,440	7,010	6,800	6,610	17,800	10,100	10,400	9,960
18	2,910	3,610	4,120	6,590	4,420	7,020	6,830	7,070	18,000	9,960	10,200	9,960
19	2,760	3,700	4,430	6,160	4,430	7,150	7,090	7,350	18,400	10,000	10,200	10,000
20	2,790	3,910	4,590	6,790	4,440	7,150	7,320	7,220	18,500	10,000	10,300	10,000
21	2,350	4,160	4,970	6,760	3,840	7,250	7,280	6,930	18,600	10,000	10,000	10,100
22	2,650	4,090	5,100	7,430	5,380	7,280	7,520	7,910	18,900	10,100	10,200	9,960
23	2,820	3,940	4,940	6,000	5,250	7,190	7,380	11,300	19,100	10,300	10,200	9,920
24	2,770	3,970	5,000	5,550	5,310	7,250	7,220	13,000	16,800	10,200	10,200	9,840
25	2,850	4,190	5,160	5,420	5,310	7,220	7,280	14,800	14,400	9,960	10,100	9,920
26	2,870	4,120	5,200	4,940	5,230	7,380	7,420	14,700	14,500	10,000	10,200	10,100
27	2,990	4,280	4,940	4,530	5,370	7,380	7,250	15,000	14,800	10,100	10,000	9,800
28	2,920	4,190	4,780	4,000	6,000	7,350	7,380	14,900	14,700	10,000	9,840	9,880
29	2,940	4,310	4,750	3,530	-	7,420	7,150	14,900	14,700	10,100	10,100	9,920
30	2,900	4,310	4,810	3,380	-	7,760	7,280	15,200	15,100	10,200	10,400	9,800
31	2,940	-	4,840	3,540	-	7,720	-	15,000	-	10,100	10,200	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	96,370	4,220	2,650	3,109	191,100
November	105,560	4,310	2,970	3,519	209,400
December	137,750	5,200	3,580	4,444	273,200
Calendar year					
January	164,480	7,560	3,380	5,306	326,200
February	106,951	6,000	152	3,820	212,100
March	218,390	7,760	5,860	7,045	433,200
April	218,910	7,720	6,710	7,297	434,200
May	285,890	15,200	6,470	9,222	567,100
June	496,000	19,100	14,400	16,530	983,800
July	355,580	15,300	9,960	11,470	705,300
August	315,640	10,500	9,840	10,180	626,100
September	299,660	10,100	9,800	9,989	594,400
Water year 1934-35	2,801,181	19,100	152	7,674	5,556,000

Colorado River near Topock, Ariz.

Location.- Water-stage recorder, lat. 34°41'30", long. 114°27'45", in NW¼ sec. 13, T. 15 N., R. 21 W., in Mohave Canyon, 3 miles southeast of Topock. Zero of gage is 423.2 feet above mean sea level (from levels by Metropolitan Water District of Southern California).

Drainage area.- 174,300 square miles.

Records available.- February 1917 to September 1935.

Extremes.- Maximum discharge during year, 18,600 second-feet June 24 (gage height, 14.83 feet); minimum, 375 second-feet Feb. 14 (gage height, 9.20 feet); minimum mean daily discharge, 422 second-feet Feb. 14.

1917-34 (unregulated): Maximum discharge, 174,000 second-feet June 22, 1921; minimum, 1,480 second-feet Aug. 17, 1934.

Remarks.- Records excellent. Diversions for irrigation above station. Discharge regulated at Boulder Dam beginning Feb. 1, 1935. No regulation between Boulder Dam and this station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,760	2,620	4,010	4,330	3,420	5,270	7,550	6,730	14,200	14,000	9,280	9,560
2	1,780	2,700	4,010	4,660	3,210	6,150	7,020	6,500	14,500	14,100	9,480	9,520
3	3,820	2,790	4,040	4,760	2,570	7,120	7,290	6,730	14,700	13,900	9,400	9,600
4	3,690	2,820	4,130	4,730	3,210	7,040	7,100	6,950	15,000	14,100	9,480	9,560
5	3,200	2,870	4,200	4,590	4,170	6,780	7,100	7,170	15,300	13,900	9,400	9,800
6	2,990	2,870	4,040	4,760	5,830	6,510	7,170	7,290	15,500	14,000	9,600	9,480
7	2,900	2,840	4,130	4,760	5,590	5,610	6,910	7,100	15,300	14,100	9,560	9,480
8	3,320	2,820	4,070	4,800	4,690	5,580	6,730	6,880	15,300	13,600	9,400	9,560
9	3,480	2,840	3,970	4,830	4,790	6,000	7,210	6,800	15,500	14,500	9,400	9,800
10	3,200	2,840	3,940	4,760	4,320	6,620	7,290	7,100	15,400	13,000	9,600	9,400
11	3,110	2,900	3,970	4,490	1,690	6,700	6,580	6,800	15,400	9,720	9,640	9,480
12	2,990	2,900	3,880	4,630	900	6,800	6,540	6,690	15,900	9,720	9,600	9,480
13	2,870	2,730	3,940	4,330	570	6,890	7,330	6,650	15,100	9,760	9,720	9,440
14	2,840	2,760	3,600	4,970	422	6,720	6,990	6,690	16,200	9,760	9,560	9,320
15	2,760	2,840	3,720	4,800	747	6,550	6,600	6,280	16,300	9,480	9,520	9,120
16	2,730	2,960	3,480	5,110	2,670	6,690	7,020	6,070	16,300	9,680	9,360	9,360
17	2,590	3,110	3,410	6,210	2,840	6,540	6,840	6,180	16,600	9,520	9,680	9,280
18	2,450	3,140	4,210	7,780	3,580	6,430	6,360	6,250	16,900	9,680	9,720	9,480
19	2,620	3,110	3,880	6,390	4,000	6,540	6,500	6,280	17,000	9,760	9,360	9,400
20	2,540	3,260	3,940	6,280	4,080	7,060	6,430	7,060	17,200	9,800	9,320	9,720
21	2,590	3,510	4,200	6,280	4,200	6,760	6,800	7,250	17,600	9,640	9,400	9,560
22	2,420	3,910	4,590	6,360	3,950	7,060	7,170	6,580	17,300	9,640	9,360	9,600
23	2,300	4,040	4,700	6,100	4,420	7,140	6,950	6,730	17,700	9,680	9,400	9,440
24	2,450	3,940	4,730	5,800	4,890	7,020	6,550	10,200	18,300	9,240	9,640	9,440
25	2,510	3,790	4,630	5,500	4,800	7,060	6,620	12,700	16,400	9,320	9,640	9,320
26	2,480	3,790	4,830	5,200	4,800	6,950	6,800	13,600	13,800	9,480	9,560	9,520
27	2,560	3,940	4,900	4,900	4,810	7,060	6,760	13,700	13,700	9,600	9,640	9,280
28	2,640	4,070	4,940	4,700	4,840	7,020	6,540	14,000	13,800	9,480	9,560	9,560
29	2,640	4,130	4,870	4,010	-	6,800	6,690	14,000	13,900	9,600	9,480	9,640
30	2,730	4,010	4,690	3,690	-	6,840	6,840	14,100	13,900	9,000	9,280	9,440
31	2,730	-	4,300	3,470	-	7,250	-	14,400	-	9,120	9,560	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	85,690	3,820	1,760	2,764	170,000
November	96,850	4,130	2,620	3,228	192,100
December	129,850	4,940	3,410	4,189	257,600
Calendar year 1934	2,176,150	25,100	1,570	5,962	4,316,000
January	157,980	7,780	3,470	5,096	313,300
February	100,009	5,830	422	3,572	198,400
March	206,560	7,250	5,270	6,663	409,700
April	206,580	7,550	6,360	6,886	409,700
May	261,460	14,400	6,070	8,434	518,600
June	470,000	18,300	12,700	15,670	932,200
July	339,880	14,500	9,000	10,960	674,100
August	294,600	9,720	9,280	9,503	584,300
September	284,640	9,800	9,120	9,488	564,600
Water year 1934-35	2,634,099	18,300	422	7,217	5,225,000

Colorado River near Parker, Ariz.

Location.- Water-stage recorder, lat. 34°15'30", long. 114°8'45", in NE¼ sec. 32, T. 11 N., R. 18 W., 4.2 miles below site of Parker Dam, 4.4 miles below Williams River, and 11 miles northeast of Parker. Zero of gage is 345.61 feet above mean sea level.

Drainage area.- 180,800 square miles.

Records available.- February 1934 to September 1935.

Extremes.- Maximum discharge during year, 18,200 second-feet June 25 (gage height, 27.75 feet); minimum, 1,160 second-feet Feb. 16 (gage height, 22.00 feet); minimum mean daily discharge, 1,440 second-feet Feb. 15.

Remarks.- Records excellent. Daily discharge computed only for days of discharge measurements in October, November, and December. Monthly discharge for those months and daily discharge Jan. 1-5 estimated by comparison with Colorado River near Topock and Williams River at Planet. Diversions for irrigation above station. Discharge regulated at Boulder Dam beginning Feb. 1, 1935. No regulation in the basin between Boulder Dam and this 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				4,330	3,340	5,220	7,420	7,050	14,100	13,700	9,070	9,530
2				4,460	3,360	5,870	7,320	6,900	14,300	13,500	9,330	9,200
3				4,660	2,680	7,050	7,390	6,330	14,200	13,900	9,200	9,870
4				4,730	2,770	7,670	7,390	6,930	14,700	14,000	9,330	9,570
5				4,590	3,120	8,670	7,450	6,900	14,900	14,000	9,230	9,910
6				4,600	5,710	8,640	7,290	7,110	14,900	14,100	9,200	9,330
7				4,840	9,590	7,140	7,480	7,110	15,300	14,100	9,330	9,170
8				4,680	14,800	6,350	7,230	7,050	15,200	14,000	9,170	9,260
9				4,820	11,100	6,890	7,170	6,840	15,400	13,900	9,200	9,300
10				4,760	7,920	7,650	7,480	6,810	15,500	13,800	9,360	9,430
11			3,970	4,600	4,360	7,540	6,930	6,870	15,500	10,100	9,330	9,100
12				4,710	2,190	7,130	6,630	6,630	15,600	9,300	9,330	9,430
13				5,040	3,130	7,200	6,960	6,720	15,400	9,260	9,430	9,300
14				5,010	2,340	7,510	7,200	6,810	15,700	9,200	9,230	9,130
15				5,210	1,440	7,310	6,990	6,450	16,100	9,360	9,600	8,940
16		3,010		4,840	1,960	7,140	7,200	6,010	16,400	9,360	9,460	9,130
17				7,200	3,170	6,870	7,110	6,100	16,400	9,400	9,460	9,130
18				7,700	3,170	6,660	6,660	6,130	16,900	9,430	9,430	9,260
19				7,200	4,200	6,810	6,540	6,100	16,600	9,360	9,260	9,170
20				6,540	4,280	6,960	6,630	6,390	17,200	9,260	9,330	9,300
21		3,460		6,180	4,370	6,930	6,810	6,900	17,000	9,400	9,360	9,100
22				6,540	4,450	7,200	7,320	6,780	17,100	9,330	9,460	9,230
23				6,270	4,090	7,170	7,230	6,270	17,500	9,460	9,460	9,300
24				6,270	5,130	7,200	7,110	7,980	17,400	9,000	9,360	9,530
25				5,600	5,420	7,200	6,810	11,100	17,600	9,130	9,500	9,200
26			4,820	5,230	5,200	7,110	6,780	13,100	14,000	9,460	9,570	9,400
27				4,950	5,170	7,110	7,050	13,500	13,600	9,300	9,400	9,100
28				4,740	5,110	6,990	7,170	13,300	13,900	9,400	9,300	9,360
29				4,300	-	7,030	6,810	13,600	13,900	9,330	9,460	9,300
30				3,810	-	6,990	6,990	14,000	13,900	9,230	9,330	9,000
31				3,530	-	7,020	-	14,000	-	8,970	9,770	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	84,630	-	-	2,730	167,900
November	96,000	-	-	3,200	190,400
December	129,580	-	-	4,180	257,000
Calendar year					
January	161,940	7,700	3,530	5,224	321,200
February	133,590	14,800	1,440	4,771	265,000
March	220,280	8,670	5,220	7,106	436,900
April	212,550	7,480	6,540	7,085	421,600
May	254,270	14,000	6,010	8,202	504,300
June	466,200	17,600	13,600	15,540	924,700
July	335,340	14,100	8,970	10,820	665,100
August	290,250	9,770	9,070	9,363	575,700
September	278,980	9,910	8,940	9,299	553,300
Water year 1934-35	2,663,610	17,600	1,440	7,298	5,283,000

Colorado River near Picacho, Calif.

Location.- Water-stage recorder, lat. 33°2', long. 114°33', in NW¼ sec. 22, T. 13 S., R. 23 E. San Bernardino base line and meridian, 4 miles below Picacho and 14½ miles above site of proposed Imperial Dam for All-American Canal. Zero of gage is 167.38 feet above mean sea level (from bench marks of Metropolitan Water District of Southern California.

Drainage area.- 186,100 square miles.

Records available.- July 1934 to September 1935.

Extremes.- Maximum discharge during year, 17,400 second-feet June 25 (gage height, 9.41 feet); minimum, 976 second-feet Oct. 5 (gage height, 4.22 feet); minimum mean daily discharge, 1,070 second-feet Oct. 4.

Remarks.- Records excellent. Diversions for irrigation above station. Discharge regulated at Boulder Dam beginning Feb. 1, 1935. No regulation in the basin between Boulder Dam and this station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,530	1,860	3,500	4,120	3,460	4,890	6,410	6,120	13,400	13,200	7,890	8,530
2	1,340	1,990	3,460	4,140	3,300	5,100	6,700	6,230	13,500	12,700	7,820	8,490
3	1,150	1,960	3,530	4,330	3,190	5,490	6,740	6,270	13,600	12,500	7,930	8,370
4	1,070	2,010	3,590	4,410	3,140	6,480	6,700	5,880	13,100	13,000	8,170	8,490
5	1,470	2,030	3,460	4,250	2,510	7,480	6,340	6,200	13,600	13,200	8,290	8,450
6	3,040	1,990	3,550	4,300	3,210	8,510	6,410	6,410	13,800	13,400	8,130	8,330
7	2,640	2,030	3,530	4,410	4,910	8,450	6,340	6,340	14,200	13,300	8,010	8,370
8	2,500	2,120	3,570	4,460	6,700	7,310	6,520	6,450	13,800	13,300	8,170	8,250
9	2,160	2,160	3,370	4,720	14,500	6,210	6,520	6,380	14,300	13,200	8,210	8,210
10	2,050	2,160	3,460	4,440	11,400	6,330	6,590	6,060	14,300	13,300	8,170	8,370
11	2,280	2,210	3,620	4,630	9,410	7,260	6,850	5,880	14,500	13,100	8,090	8,490
12	2,330	2,180	3,530	4,520	5,690	7,480	6,740	5,980	14,400	10,200	8,050	8,090
13	2,070	2,160	3,530	4,440	2,990	7,120	6,230	5,920	14,300	8,850	8,010	8,170
14	1,970	2,100	3,570	4,520	2,310	6,970	6,160	5,950	14,600	8,370	8,090	8,450
15	1,990	2,090	3,780	4,690	3,280	7,030	6,480	5,810	14,700	8,610	8,090	8,490
16	1,880	2,050	3,460	4,830	1,910	7,190	6,300	5,740	15,300	8,530	8,530	8,330
17	1,980	2,290	3,240	4,720	1,450	7,120	6,410	5,380	15,600	8,490	8,370	8,130
18	2,050	2,320	3,270	5,260	2,530	6,970	6,590	5,350	15,700	8,610	8,490	7,820
19	1,990	2,380	3,090	6,700	3,230	6,450	6,060	5,580	15,800	8,490	8,450	7,930
20	1,860	2,450	3,290	7,350	3,660	6,560	5,920	5,710	15,600	8,370	8,370	8,130
21	1,910	2,570	3,790	6,380	4,270	6,630	5,810	5,550	15,700	8,450	8,210	8,290
22	1,870	2,550	3,630	6,020	4,210	6,670	5,980	6,120	16,100	8,410	8,090	8,330
23	1,900	2,780	3,700	6,020	4,060	6,740	6,270	6,230	15,800	8,370	8,490	8,250
24	1,810	3,170	3,840	6,120	4,160	6,890	6,520	5,740	16,700	8,050	8,970	8,410
25	1,820	3,580	4,330	5,840	4,410	6,780	6,410	6,160	17,000	8,050	8,690	8,450
26	1,720	3,530	4,660	5,510	5,090	6,740	6,450	9,100	16,800	7,860	8,530	8,370
27	1,740	3,390	4,330	5,290	5,060	6,740	6,020	12,000	14,600	7,860	8,730	8,130
28	1,760	3,270	4,300	5,040	4,790	6,590	6,230	12,700	13,000	7,930	8,370	8,330
29	1,790	3,350	4,570	4,660	-	6,850	6,270	12,800	12,800	8,170	8,290	8,370
30	1,770	3,390	4,740	4,300	-	6,630	6,160	12,700	13,100	8,090	8,250	8,490
31	1,790	-	4,300	3,750	-	6,410	-	13,200	-	7,820	8,250	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	59,030	3,040	1,070	1,904	117,100
November	74,120	3,580	1,860	2,471	147,100
December	115,580	4,740	3,090	3,728	229,200
Calendar year					
January	154,170	7,350	3,750	4,973	305,800
February	128,830	14,500	1,450	4,601	255,500
March	210,140	8,510	4,890	6,779	416,800
April	191,130	6,850	5,810	6,371	379,100
May	221,940	13,200	5,350	7,159	440,200
June	439,700	17,000	12,800	14,660	872,100
July	311,580	13,400	7,820	10,050	618,000
August	256,200	8,970	7,820	8,265	508,200
September	249,310	8,530	7,820	8,310	494,500
Water year 1934-35	2,411,730	17,000	1,070	6,607	4,784,000

Colorado River at Yuma, Ariz.

Location.- Water-stage recorder, lat. 32°43'45", long. 114°37'15", 1,800 feet below highway bridge at Yuma and 5 miles below Gila River. Zero of gage is 102.79 feet above mean sea level.

Drainage area.- 244,800 square miles.

Records available.- April 1878 to September 1935 (only gage heights prior to January 1902).

Extremes.- Maximum discharge during year, 15,600 second-feet June 26; maximum gage height, 21.90 feet Feb. 10; minimum mean daily discharge, 33 second-feet Oct. 5; minimum gage height, 17.50 feet Apr. 20.

1902-35: Maximum daily discharge, 240,000 second-feet Jan. 22, 1916; minimum, 18 second-feet Aug. 25-27, 1934.

Remarks.- Records for river station excellent; for wasteway fair. Many diversions for irrigation from Colorado River and tributaries. Considerable water diverted around river station on account of power development on main canal of Yuma reclamation project. Water in that canal not required for irrigation returned to river below river station. Supplementing records of discharge at river station are records of discharge of Yuma Main Canal wasteway, which returns water from canal to river half a mile downstream from river station. Colorado River regulated at Boulder Dam beginning Feb. 1, 1935. No regulation in the basin below Boulder Dam on Colorado River and the station on Gila River at Gillespie Dam. Daily-discharge records for wasteway furnished by U. S. Bureau of Reclamation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	188	1,650	2,440	1,510	2,340	4,280	3,800	10,800	10,200	5,620	6,190
2	42	191	1,620	2,250	1,330	2,380	4,370	3,860	11,000	10,000	5,690	6,440
3	40	277	1,700	2,270	1,370	2,670	4,980	4,190	10,800	10,000	5,830	5,970
4	38	315	1,740	2,380	1,200	3,350	4,340	3,860	10,900	10,2[illegible]0	5,900	6,040
5	33	277	1,800	2,470	878	4,280	4,190	3,580	11,100	10,600	6,190	6,220
6	486	319	1,950	2,600	758	5,310	4,400	4,070	12,700	10,600	6,040	6,190
7	940	323	3,580	2,470	1,580	5,940	4,310	4,160	11,900	10,500	5,860	6,220
8	589	343	3,430	2,760	3,690	5,520	4,500	4,130	11,800	10,800	5,940	6,220
9	352	357	1,670	3,060	8,150	4,160	4,370	4,500	11,600	11,000	6,190	5,960
10	325	483	1,680	2,720	9,860	3,690	4,400	4,400	11,800	10,600	5,970	5,900
11	220	468	1,870	2,810	7,840	4,400	4,470	3,920	12,000	10,600	5,970	6,120
12	266	484	1,950	2,880	4,690	4,850	4,780	3,920	11,700	9,050	6,080	6,040
13	357	442	2,020	2,790	1,570	4,720	4,370	3,830	12,200	6,150	6,040	5,900
14	284	463	1,890	2,670	827	4,500	4,010	3,720	12,100	5,040	6,150	6,260
15	256	496	2,100	2,810	1,320	4,370	4,190	3,520	12,200	6,040	6,150	6,520
16	228	482	1,890	2,840	1,190	4,500	4,190	3,600	12,500	6,080	6,220	6,370
17	221	468	1,570	2,940	602	4,590	4,160	3,410	13,000	6,120	6,480	5,800
18	214	537	1,590	2,760	331	4,560	4,130	3,110	13,100	6,150	6,520	5,690
19	288	646	1,490	4,130	984	4,190	4,310	3,190	12,900	6,010	6,300	5,860
20	295	631	1,420	5,110	1,120	4,220	4,040	3,350	12,600	6,220	6,220	5,860
21	295	683	1,840	4,850	1,740	4,280	3,860	3,270	13,000	6,300	6,150	6,260
22	288	758	1,890	3,890	1,820	4,310	3,600	3,330	13,400	5,800	6,040	6,010
23	269	784	1,910	4,100	1,840	4,400	3,800	3,720	13,500	5,720	6,190	6,040
24	186	878	2,060	4,340	1,790	4,660	4,250	3,580	14,100	5,940	6,970	6,010
25	249	1,380	2,130	4,010	1,520	4,750	4,190	3,440	14,400	5,940	6,560	6,190
26	217	1,520	2,470	3,920	2,360	4,440	3,980	5,390	14,200	5,940	6,590	6,370
27	236	1,550	2,670	3,460	2,530	4,400	4,100	8,550	13,000	6,010	6,560	6,330
28	229	1,480	2,600	3,190	2,470	4,440	4,010	10,000	10,500	6,010	6,190	5,940
29	242	1,480	2,740	2,690	-	4,340	4,070	10,600	10,200	5,940	6,120	6,220
30	226	1,540	3,080	2,580	-	4,440	4,010	10,100	10,300	6,010	6,220	6,560
31	211	-	2,720	1,790	-	4,310	-	10,400	-	5,660	6,190	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,165	940	33	263	16,200
November	20,223	1,550	188	674	40,110
December	64,720	3,580	1,420	2,088	128,400
Calendar year 1934	1,201,640	22,300	18	3,293	2,384,000
January	95,980	5,110	1,790	3,096	190,400
February	67,170	9,860	331	2,399	133,200
March	133,310	5,940	2,340	4,300	264,400
April	126,660	4,980	3,600	4,222	251,200
May	148,500	10,600	3,110	4,790	294,500
June	365,300	14,400	10,200	12,180	724,600
July	238,230	11,000	5,660	7,685	472,500
August	191,140	6,970	5,620	6,166	379,100
September	183,700	6,560	5,690	6,123	364,400
Water year 1934-35	1,643,098	14,400	33	4,502	3,259,000

Discharge, in second-feet, of Yuma Main Canal Wasteway at Yuma, Ariz., for water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	977	1,090	1,760	1,720	1,530	1,380	1,420	1,360	1,290	1,110	1,510	1,600
2	866	1,140	1,750	1,380	1,620	1,460	1,300	1,390	1,380	1,000	1,320	1,590
3	788	1,200	1,560	1,430	1,650	1,480	1,170	1,400	1,300	973	1,330	1,300
4	660	1,220	1,540	1,560	1,240	1,320	1,390	1,440	1,100	1,150	1,400	1,220
5	588	1,220	1,560	1,710	1,040	1,340	1,420	1,540	1,090	1,250	1,170	1,220
6	1,200	1,230	1,580	1,770	1,100	1,370	1,470	1,360	746	1,310	1,120	1,290
7	1,300	1,250	574	1,430	1,270	1,250	1,480	1,360	1,210	1,350	1,150	1,430
8	1,190	1,360	362	1,320	1,380	1,260	1,340	1,390	1,230	1,150	1,150	1,370
9	1,080	1,420	1,740	1,360	1,470	1,390	1,340	1,260	1,350	1,020	1,150	1,120
10	997	1,460	1,520	1,620	1,470	1,340	1,340	1,230	1,250	967	1,380	1,240
11	1,170	1,500	1,440	1,720	1,330	1,290	1,370	1,430	1,030	1,140	1,510	1,260
12	1,240	1,380	1,460	1,780	1,150	1,310	1,440	1,440	1,010	1,170	1,050	1,310
13	1,250	1,330	1,600	1,800	1,290	1,330	1,510	1,440	1,110	1,350	1,050	1,430
14	1,200	1,370	1,700	1,600	1,240	1,360	1,580	1,390	1,110	1,570	1,200	1,520
15	1,150	1,360	1,760	1,710	1,430	1,400	1,410	1,340	1,220	1,190	1,310	1,540
16	1,060	1,250	1,790	1,780	1,540	1,430	1,400	1,310	1,330	1,070	1,380	1,320
17	1,030	1,440	1,520	1,800	1,440	1,410	1,430	1,250	1,160	1,120	1,420	1,280
18	1,190	1,480	1,500	1,800	1,300	1,380	1,440	1,300	1,050	1,200	1,460	1,330
19	1,220	1,390	1,520	1,780	1,220	1,280	1,300	1,340	997	1,250	1,270	1,380
20	1,170	1,420	1,520	1,770	1,170	1,270	1,330	1,290	1,150	1,350	1,220	1,470
21	1,160	1,440	1,660	1,610	1,260	1,380	1,490	1,320	1,240	1,320	1,230	1,500
22	1,110	1,500	1,760	1,530	1,300	1,400	1,440	1,360	1,350	1,130	1,300	1,530
23	1,110	1,580	1,780	1,700	1,390	1,400	1,430	1,330	1,430	1,130	1,250	1,380
24	1,130	1,720	1,790	1,680	1,500	1,390	1,440	1,280	1,150	1,120	1,250	1,360
25	1,130	1,740	1,780	1,560	1,230	1,350	1,430	1,340	975	1,100	1,490	1,360
26	1,140	1,510	1,430	1,670	1,160	1,360	1,410	1,390	975	1,170	1,450	1,380
27	1,090	1,510	1,470	1,790	1,200	1,390	1,400	1,240	1,140	1,290	1,300	1,250
28	1,070	1,510	1,530	1,460	1,270	1,380	1,430	1,140	1,220	1,380	1,360	1,340
29	1,020	1,530	1,700	1,280	-	1,440	1,360	1,010	1,330	1,200	1,390	1,450
30	998	1,620	1,810	1,250	-	1,480	1,350	1,150	1,390	1,040	1,440	1,280
31	1,060	-	1,800	1,510	-	1,470	-	1,160	-	1,160	1,540	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	33,344	1,300	588	1,076	66,140
November	42,170	1,740	1,090	1,406	83,640
December	48,266	1,810	362	1,557	95,730
Calendar year 1934	418,385	1,810	108	1,146	829,800
January	49,880	1,800	1,250	1,609	98,940
February	37,190	1,650	1,040	1,328	73,770
March	42,490	1,480	1,250	1,371	84,280
April	42,060	1,580	1,170	1,402	83,420
May	40,960	1,540	1,010	1,322	81,280
June	35,313	1,430	746	1,177	70,040
July	36,730	1,570	967	1,185	72,850
August	40,350	1,540	1,050	1,302	80,030
September	41,050	1,600	1,120	1,368	81,420
Water year 1934-35	489,823	1,810	362	1,342	971,500

Arapaho Creek below Monarch Lake, Colo.

Location.- Water-stage recorder, lat. 40°18', long. 105°46', in SE¼ sec. 15, T. 2 N., R. 75 W., 700 feet below mouth of Roaring Fork and 10 miles northwest of Granby.

Drainage area.- 59 square miles.

Records available.- June to September 1935.

Extremes.- Maximum discharge during period, 993 second-feet June 16 (gage height, 4.13 feet); minimum mean daily discharge, 20 second-feet Sept. 29.

Remarks.- Records excellent except those estimated June 1, 2. Natural regulation by Monarch Lake. Small diversion for irrigation above station. Several second-feet diverted around station by power canal during summer.

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

0.6	15	2.0	322	3.2	690
.8	32	2.2	382	3.4	754
1.0	62	2.4	442	3.6	818
1.2	105	2.6	502	3.8	882
1.4	154	2.8	562	4.0	948
1.6	208	3.0	626	4.1	982
1.8	264				

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									235	418	48	33
2									210	391	87	32
3									200	394	87	31
4									202	418	85	28
5									216	409	81	27
6									275	361	75	23
7									337	346	66	28
8									406	340	68	33
9									466	340	79	38
10									572	322	75	38
11									712	328	70	35
12									792	295	64	32
13									799	289	59	29
14									840	295	55	28
15									928	267	50	26
16									850	247	48	26
17									674	233	60	26
18									572	239	70	24
19									594	222	60	24
20									658	216	57	23
21									735	211	48	23
22									728	222	41	21
23									732	200	38	21
24									661	166	38	21
25									639	164	40	21
26									529	152	48	21
27									502	144	54	22
28									439	134	47	21
29									406	132	42	20
30									412	144	37	21
31									-	105	33	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June	16,321	928	200	544	32,370
July	8,164	418	105	263	16,190
August	1,810	87	33	58.4	3,590
September	796	38	20	26.5	1,580
The period					53,730

Willow Creek near Granby, Colo.

Location.- Water-stage recorder, lat. 40°11', long. 106°, in NW¼ sec. 34, T. 3 N., R. 77 W., 100 feet below mouth of Gold Run Creek and 7 miles northwest of Granby. Prior to June 2, staff at same location and datum.

Drainage area.- 105 square miles.

Records available.- April to September 1935.

Extremes.- Maximum discharge during period, 578 second-feet June 15 (gage height, 2.76 feet); minimum mean daily discharge, 9.8 second-feet Sept. 19-21, 23-25.

Remarks.- Records excellent June 1 to Sept. 30, fair Apr. 26 to May 31, and poor Apr. 1-25 (estimated). Water diverted for irrigation of hay meadows above station.

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

0.2	8.2	1.6	178
.4	12.7	1.8	230
.6	21	2.0	290
.8	38	2.2	356
1.0	62	2.4	430
1.2	92	2.6	510
1.4	130	2.8	596

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							15	46	426	112	28	13
2							16	44	349	106	27	12
3							15	31	329	106	22	12
4							15	35	353	94	20	12
5							16	44	378	79	20	11
6							15	46	426	72	18	11
7							16	47	466	79	18	14
8							16	42	486	78	21	16
9							17	50	494	65	17	15
10							17	89	506	66	16	13
11							18	106	510	78	15	12
12							18	120	535	59	14	11
13							20	149	518	50	13	11
14							24	144	514	52	13	10
15							32	126	518	48	13	10
16							27	132	482	41	14	10
17							24	159	400	42	18	10
18							22	194	319	46	17	10
19							26	178	287	39	15	9.8
20							26	149	268	38	14	9.8
21							31	152	252	59	14	9.8
22							34	166	233	56	14	10
23							36	212	220	48	14	9.8
24							34	268	199	38	15	9.8
25							28	325	176	34	14	9.8
26							27	438	152	29	13	12
27							32	490	135	27	12	16
28							35	470	132	26	12	15
29							38	422	122	27	12	13
30							56	400	122	34	12	13
31							-	454	-	30	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	744	56	15	24.8	1,480
May	5,728	490	31	185	11,360
June	10,307	535	122	344	20,440
July	1,758	112	26	56.7	3,490
August	497	28	12	16.0	986
September	350.8	16	9.8	11.7	696
The period					38,450

Fraser River above West Portal, Colo.

Location.- Water-stage recorder, lat. 39°32'50", long. 105°45'25", in NE¼ sec. 15, T. 2 S., R. 75 W., 100 yards below mouth of Jim Creek and 1 mile above West Portal. Present gage is 1,000 feet upstream from site used 1907-9.

Drainage area.- 22.1 square miles.

Records available.- June 1907 to October 1909, August 1934 to September 1935.

Extremes.- Maximum discharge during period, 393 second-feet June 15 (gage height, 2.27 feet); minimum, 2.1 second-feet Mar. 25 (gage-height, 0.24 foot).

Remarks.- Records good except those below 50 second-feet, which are fair. Discharge Dec. 1 to Mar. 20 estimated on the basis of two discharge measurements and temperature records. One small transmountain diversion above station.

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

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

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June					
July					
August	537	21	14	17.3	1,070
September	407	17	11	13.6	807
The period					1,880

Fraser River above West Portal, Colo.

(Continued)

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	7.9	6.5	5	3.5	4	3.4	8.3	70	140	53	33
2	12	8.3	6	4.5	3.5	4	3.4	7.4	63	130	48	26
3	11	11	7.5	4.5	3.5	4	3.8	6.8	67	148	45	25
4	10	14	9	4	3	4	3.4	7.0	77	140	42	24
5	10	14	8	4	3	4	3.4	7.4	85	140	40	22
6	10	11	8	4	3	4	3.2	7.4	103	127	37	20
7	10	10	7.5	4.5	3	4	3.2	7.4	112	135	35	23
8	9.5	9.1	7.5	4.5	4	4	3.4	7.4	125	125	34	24
9	9.1	9.1	7	4.5	5	4	4.2	9.1	151	117	35	22
10	9.5	8.3	7	4.5	5	4	6.2	11	170	110	30	20
11	9.5	8.3	7	4.5	5	4	3.4	13	209	108	28	19
12	10	8.7	7	4.5	5	4	6.2	16	227	103	27	18
13	10	9.1	7	4.5	5	4.5	4.8	16	239	93	27	18
14	10	10	7	4.5	5	5.5	6.2	15	262	93	25	17
15	10	10	7	5	5.5	6	8.7	15	281	85	24	17
16	10	9.5	6.5	5	5	6.5	9.1	18	278	78	27	17
17	11	8.3	6.5	5	4.5	6.5	7.0	20	218	78	29	16
18	11	6.6	6.5	4.5	4	4	7.4	20	194	75	27	15
19	11	8.3	6.5	4.5	4.5	4	8.7	18	194	72	22	15
20	11	13	6.5	4.5	4.5	3.5	11	16	206	70	24	15
21	10	14	6.5	4.5	4.5	3.4	11	17	221	72	24	15
22	10	12	6	4.5	4	2.8	10	18	224	77	24	15
23	9.1	8.7	6	4.5	3.5	3.8	9.5	21	215	74	24	15
24	8.7	8.3	6	4.5	3.5	2.7	12	24	200	66	27	15
25	9.1	8.7	5.5	4.5	3.5	2.7	21	32	188	60	35	15
26	9.1	8.7	5.5	5	4	3.8	22	38	182	56	31	16
27	8.3	8.3	5.5	4.5	4	3.4	11	50	179	51	29	16
28	8.3	10	5.5	4	4	5.9	8.7	60	168	50	29	15
29	8.3	9.5	5.5	3.5	-	3.8	9.1	58	156	53	28	15
30	8.3	7	5.5	4.5	-	3.8	10	74	148	66	27	14
31	7.9	-	5	4	-	4.8	-	77	-	58	29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	303.7	12	7.9	9.80	602
November	289.7	14	7	9.66	575
December	204	9	5	6.58	405
Calendar year					
January	138.5	5	3.5	4.47	275
February	115.5	5	3.0	4.12	229
March	129.4	6.5	2.7	4.17	257
April	234.4	22	3.2	7.81	465
May	715.0	77	6.6	23.1	1,420
June	5,212	281	63	174	10,340
July	2,850	148	50	91.9	5,650
August	966	53	22	31.2	1,920
September	557	33	14	18.6	1,100
Water year 1934-35	11,715.2	281	2.7	32.1	23,240

Fraser River near West Portal, Colo.

Location.- Water-stage recorder, lat. 39°54', long. 105°46'35", in NE¼ sec. 4, T. 2 S., R. 75 W., 1½ miles northwest of West Portal.

Drainage area.- 28 square miles.

Records available.- September 1910 to September 1930, October 1933 to September 1935 in reports of U. S. Geological Survey; September 1910 to September 1935 in reports of State engineer.

Average discharge.- 25 years, 44.3 second-feet.

Extremes.- Maximum discharge during year, 375 second-feet June 16 (gage height, 2.32 feet); minimum, 5.3 second-feet Mar. 5 (gage height, 0.92 foot).
1910-35: Maximum discharge, 820 second-feet June 13, 1918 (gage height, 2.9 feet); minimum, 2 second-feet Mar. 30, 1912.

Remarks.- Records excellent except those for periods Jan. 17 to Mar. 31, which are good, and Nov. 27 to Jan. 16, which are fair. Discharge estimated Nov. 27 to Dec. 2, Dec. 8, 9, 16, 19, 23, 25, 29, 30, Jan. 2 to 16. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	9.2	7.5	7.9	6.9	5.7	8.0	15	91	149	61	34
2	12	9.6	8.0	7.7	6.4	5.7	8.0	14	86	143	56	24
3	12	12	8.8	7.5	6.4	5.5	8.0	12	91	161	52	24
4	12	12	11	7.2	5.9	5.5	8.0	13	100	145	50	23
5	11	11	9.3	7.8	5.9	5.3	7.7	14	109	138	48	22
6	11	12	8.4	8.6	5.7	5.7	7.4	14	120	132	44	22
7	11	11	8.8	8.7	5.5	5.7	7.0	14	130	130	42	25
8	11	10	8.8	8.8	6.4	5.7	7.7	14	136	126	41	26
9	11	9.6	8.6	8.9	7.3	5.7	7.7	16	163	118	41	25
10	11	9.6	8.4	9.0	6.9	5.7	8.8	19	195	114	36	22
11	11	9.6	8.4	9.1	6.9	5.9	9.2	21	221	114	35	21
12	11	10	7.5	9.1	6.9	5.9	11	25	238	109	34	20
13	11	11	7.9	9.0	7.3	6.4	12	25	250	103	32	20
14	11	12	8.4	9.0	7.3	6.9	12	22	274	101	30	19
15	11	12	8.4	9.0	6.9	7.8	16	22	291	94	29	18
16	11	10	8.6	8.9	6.4	8.3	16	25	288	88	32	18
17	11	9.6	8.8	8.8	5.9	8.8	12	30	233	88	33	18
18	10	9.6	8.4	8.3	5.9	6.9	12	28	200	86	29	18
19	10	9.6	8.3	8.3	6.4	6.9	15	23	200	85	26	17
20	10	12	8.2	8.8	6.4	6.9	17	22	226	82	25	16
21	9.6	9.6	8.2	8.3	5.7	6.9	18	25	231	82	25	17
22	9.6	10	8.4	8.8	5.9	7.8	16	27	236	85	25	16
23	9.2	9.2	7.9	8.8	5.9	8.3	16	32	224	83	25	16
24	8.8	8.8	7.5	8.8	5.9	7.8	15	38	212	77	30	16
25	9.6	10	7.7	8.8	5.9	8.3	14	48	195	70	35	16
26	9.2	10	7.9	8.8	5.9	10	14	58	186	66	31	18
27	9.2	10	7.9	8.8	5.7	9.7	16	64	186	61	29	18
28	9.2	11	7.9	8.3	5.5	9.7	16	75	177	58	29	18
29	9.2	12	7.9	7.8	-	9.7	16	78	158	61	27	17
30	8.8	8.5	7.9	8.8	-	8.3	16	98	154	75	25	16
31	8.8	-	7.9	7.8	-	8.3	-	98	-	66	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	322.2	12	8.8	10.4	639
November	310.5	12	8.5	10.4	616
December	257.6	11	7.5	8.31	511
Calendar year 1934	10,094.1	147	6.5	27.7	20,020
January	264.2	9.1	7.2	8.52	524
February	176.0	7.3	5.5	6.29	349
March	221.7	10	5.3	7.15	440
April	367.6	18	7.0	12.2	729
May	1,029	98	12	33.2	2,040
June	5,601	291	86	187	11,110
July	3,090	161	58	99.7	6,130
August	1,085	61	25	35.0	2,150
September	601	34	16	20.0	1,190
Water year 1934-35	13,325.7	291	5.3	36.5	26,430

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Vasquez Creek near West Portal, Colo.

Location.- Water-stage recorder, lat. 39°55'15", long. 105°47'5", in NW¼ sec. 33, T. 1 S., R. 75 W., a quarter of a mile above mouth and 2½ miles northwest of West Portal. Present gage is three-quarters of a mile downstream from site used 1907-9.

Drainage area.- 27.8 square miles.

Records available.- June 1907 to October 1909, August 1934 to September 1935.

Extremes.- Maximum discharge during period, 396 second-feet June 15 (gage height, 2.64 feet); minimum discharge, 3.1 second-feet Apr. 7 (gage height, 0.62 foot).

Remarks.- Records good except those estimated for Dec. 2 to Mar. 21 on basis of three discharge measurements and temperature records, which are fair. No diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											15	10
2											15	12
3											16	12
4											17	11
5											20	10
6											19	11
7											19	10
8											17	12
9											22	13
10											19	12
11											18	11
12											16	10
13											15	10
14											17	9.6
15											18	9.2
16											16	8.9
17											14	8.9
18											13	8.9
19											14	8.6
20											18	12
21											15	13
22											13	12
23											13	10
24											12	10
25											12	10
26											12	10
27											12	10
28											11	11
29											12	11
30											12	11
31											11	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June					
July					
August	473	22	11	15.3	938
September	318.1	13	8.6	10.6	631
The period					1,570

Vasquez Creek near West Portal, Colo.

(Continued)

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	8.3	*7	5	6	6.5	6.6	7.5	49	88	53	32
2	11	7.8	6.5	4.5	5.5	7	5.9	6.9	45	88	49	23
3	10	13	7	4.5	5.5	7.5	5.8	6.3	48	115	46	22
4	9.6	14	9	5.5	5.5	7.5	5.6	6.3	54	88	45	21
5	9.2	13	8	5.5	6	6.5	6.1	7.2	61	86	44	21
6	9.2	13	7	6	6	6	5.6	7.8	71	86	42	20
7	9.2	13	7	6	6.5	5.5	*4	7.8	83	95	40	24
8	8.9	12	7	6.5	6.5	5.5	5.6	7.8	105	88	39	26
9	8.9	12	7	6.5	6	5.5	5.8	8.3	117	85	37	26
10	8.9	11	7	6	6	6	16	10	147	81	35	23
11	8.9	12	6	5	6	6.5	5.4	11	190	81	34	21
12	8.6	12	6	5	5.5	7.5	7.5	12	238	78	33	19
13	8.9	12	6.5	5	5.5	7.5	9.2	14	252	71	31	19
14	8.9	13	7	5	5.5	6.5	7.5	12	266	70	30	19
15	8.9	12	6.5	5	5.5	6	8.6	12	295	65	29	19
16	8.9	13	6.5	5	5.5	6	10	14	234	61	31	17
17	9.6	13	6	5	6	6.5	7.8	18	174	61	32	17
18	9.2	8.9	6	5	6	6.5	7.8	19	159	63	28	17
19	8.9	10	6	4.5	6.5	7	8.6	15	168	64	26	16
20	8.6	13	6.5	4.5	6.5	7	8.6	13	190	60	25	16
21	8.0	13	6.5	4.5	7	7.5	8.6	13	200	61	24	16
22	8.0	13	6.5	5	7	*7.5	8.6	17	197	61	24	15
23	8.0	10	6	5.5	7	*7	8	21	184	57	24	15
24	8.0	11	5.5	6	6.5	6.1	8.3	25	178	54	28	15
25	8.3	*10	5.5	6	6	5.9	13	30	153	50	30	15
26	7.5	*9.5	5.5	6	5.5	6.1	12	36	130	48	27	16
27	8.0	*9	5.5	6.5	5.5	5.9	10	40	138	48	26	18
28	8.3	*9.5	5.5	6.5	5.5	6.3	8.0	45	117	48	24	18
29	8.3	*8.5	5.5	6.5	-	6.6	8.3	48	102	56	23	18
30	9.2	*8	5.5	6.5	-	6.3	7.8	54	100	67	22	16
31	10	-	5.5	6	-	7.8	-	57	-	60	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	276.9	11	7.5	8.93	549
November	337.5	14	7.8	11.2	669
December	198.5	9	5.5	6.40	394
Calendar year					
January	170	6.5	4.5	5.48	337
February	168	7	5.5	6.00	333
March	203.5	7.8	5.5	6.56	404
April	240.6	16	4	8.02	477
May	601.9	57	6.3	19.4	1,190
June	4,445	295	45	148	8,820
July	2,184	115	48	70.5	4,330
August	1,005	53	22	32.4	1,990
September	580	32	15	19.3	1,150
Water year 1934-35	10,410.9	295	4	28.5	20,640

*Partly estimated.

St. Louis Creek near Fraser, Colo.

Location.- Water-stage recorder, lat. 39°54'45", long. 105°52'35", in sec. 34, T. 1 S., R. 76 W., a third of a mile below junction of East and West Branches and 4½ miles southwest of Fraser.

Drainage area.- 32.8 square miles.

Records available.- June 1907 to September 1909, August to September 1935.

Extremes.- Maximum discharge during period, 353 second-feet June 15 (gage height, 2.58 feet); minimum discharge, 3.2 second-feet Apr. 9 (gage height, 0.75 foot).

Remarks.- Records good except those estimated, which are fair. Discharge estimated Nov. 21 to Mar. 27 on basis of three discharge measurements and temperature records, and Apr. 6-7, June 13-14, 16-26 by comparison with Fraser River near West Portal. No regulation or diversions.

Rating table, water year 1934-35, except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 3 to Sept. 20, 1934, Oct. 1-20, July 16 to Aug. 23)

0.8	4.2	1.7	106
.9	11	1.8	130
1.0	18	1.9	154
1.1	25	2.0	180
1.2	32	2.1	206
1.3	41	2.2	234
1.4	52	2.3	264
1.5	66	2.4	294
1.6	84		

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

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

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June					
July					
August	613	26	12	19.8	1,220
September	410	20	11	13.7	813
The period					2,030

St. Louis Creek near Fraser, Colo.

(Continued)

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	8.3	11	8.5	7	5.5	8.3	10	56	154	60	42
2	12	9.0	11	8	7	5.5	7.6	9.0	52	149	56	31
3	12	19	12	8	7.5	5.5	8.3	7.6	53	172	52	29
4	10	18	14	8	8	6	7.6	6.9	60	154	50	28
5	10	14	13	8.5	7	6	6.9	11	70	140	49	27
6	10	18	11	9	6	6	7.0	11	84	132	46	26
7	9.6	20	11	9.5	5.5	6	7.0	11	93	130	44	28
8	9.6	17	11	9.5	6	6	6.9	9.6	108	130	44	32
9	8.3	17	11	10	8	6	6.2	11	137	128	43	31
10	8.3	14	10	10	7	6	9.0	14	167	130	42	28
11	8.3	13	9.5	9.5	8	6.5	8.3	14	193	132	38	26
12	8.3	17	9	9	8	7	8.3	17	214	125	37	25
13	9.0	19	9	9	8	7.5	9.6	19	229	113	35	24
14	8.3	22	10	9	8	8	12	18	258	106	34	24
15	9.0	22	10	9	8	9	14	19	279	97	33	23
16	9.0	20	10	9	8.5	9.5	9.0	22	275	91	36	22
17	11	20	10	9	8	9.5	9.0	24	215	97	38	22
18	10	12	10	9	8	9	11	24	165	93	34	21
19	10	14	10	9	7.5	8.5	12	19	185	91	31	21
20	9.6	14	9.5	9	7	8.5	14	17	195	91	31	20
21	10	18	10	9	5.5	8.5	14	18	220	88	30	20
22	10	18	9.5	9	5	8.5	14	22	216	86	29	20
23	10	18	9	8.5	4.5	9	12	28	204	82	30	20
24	10	14	9	8.5	5	8.5	11	31	202	73	34	20
25	9.6	13	9	8.5	5	8.5	12	37	196	70	36	20
26	9.6	13	9	8.5	5.5	10	13	42	192	65	34	21
27	10	13	9	8.5	5.5	12	18	46	190	60	31	24
28	11	14	9	8	5.5	11	13	55	175	58	29	22
29	9.6	13	9	8	-	16	14	52	164	63	28	23
30	12	12	9	7.5	-	9.0	12	58	164	82	28	22
31	8.3	-	8.5	7.5	-	9.6	-	68	-	70	31	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	304.4	12	8.3	9.82	604
November	473.3	22	8.3	15.8	939
December	312.0	14	8.5	10.1	619
Calendar year					
January	271.0	10	7.5	8.74	538
February	189.5	8.5	4.5	6.77	376
March	252.1	16	5.5	8.13	500
April	315.0	18	6.2	10.5	625
May	751.1	68	6.9	24.2	1,490
June	5,011	279	52	167	9,940
July	3,252	172	58	105	6,450
August	1,173	60	28	37.8	2,330
September	742	42	20	24.7	1,470
Water year 1934-35	12,046.4	279	4.5	35.7	25,880

Ranch Creek near Fraser, Colo.

Location.- Water-stage recorder, lat. 39°55'15", long. 105°47'5", in NE¼ sec. 22, T. 1 S., R. 75 W., 150 yards below junction of South Fork and Ranch Creeks and 3 miles east of Fraser.

Drainage area.- 19.9 square miles.

Records available.- August 1934 to September 1935.

Extremes.- Maximum discharge during period, 299 second-feet June 15 (gage height, 3.37 feet); minimum mean daily discharge, 1.5 second-feet (estimated) Feb. 3-7, Mar. 18-21.

Remarks.- Records good except those estimated, which are fair. Discharge estimated Nov. 27 to Mar. 22 on basis of two discharge measurements and temperature records, and June 18-26 by comparative hydropgraph of Fraser River. No diversion.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											8	5.3
2											8	6.0
3											8.0	6.4
4											8.5	5.3
5											11	4.9
6											10	4.9
7											8.7	4.6
8											8.5	4.9
9											10	7.2
10											9.3	6.4
11											9.3	6.0
12											7.7	5.3
13											7.4	5.1
14											7.7	4.9
15											8.0	4.6
16											7.4	4.4
17											6.7	4.4
18											6.7	4.2
19											7.4	2.7
20											7.7	6.2
21											6.4	6.7
22											6.4	6.4
23											6.4	5.5
24											6.2	4.9
25											6.2	5.3
26											6.2	5.1
27											6.2	5.3
28											6.0	5.5
29											6.0	5.3
30											5.7	5.1
31											5.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June					
July					
August	233.4	11	5.7	7.53	463
September	158.8	7.2	2.7	5.29	315
The period					778

Ranch Creek near Fraser, Colo.

(Continued)

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.9	4.4	4.5	4	2.5	2.5	2.5	7.2	54	119	26	13
2	4.6	3.9	4	3.5	2	2.5	2.4	6.4	49	109	23	11
3	4.6	6.4	5	3.5	1.5	2.5	2.4	7.2	52	114	21	9.9
4	4.2	6.0	6	3	1.5	2.5	2.2	8.7	54	109	20	9.6
5	4.2	5.3	5.5	3	1.5	2.5	2.2	11	65	102	19	9.6
6	4.0	8.5	5	3	1.5	2.5	2.0	9.3	75	96	19	9.3
7	3.7	8.0	4.5	3.5	1.5	2.5	2.0	10	85	81	18	11
8	3.7	7.4	5	3.5	2	2.5	2.2	9.0	95	91	19	14
9	2.5	7.2	5	3.5	3	2.5	2.5	10	109	84	19	12
10	1.3	6.0	5	3.5	3.5	2.5	2.8	11	130	80	17	10
11	1.2	6.2	4.5	3.5	3.5	2.5	2.5	12	165	76	16	9.6
12	1.3	7.2	5	4	3	3	6.7	13	188	74	15	8.7
13	2.5	8.5	5.5	4	2.5	3	5.7	16	207	67	14	8.5
14	3.9	8.2	5.5	4	3	3	3.7	14	231	67	14	8.5
15	3.7	7.4	6	4	3	3.5	4.4	15	248	55	13	8.2
16	3.9	6.9	5.5	4	2.5	3.5	6.2	17	215	48	18	8.0
17	4.0	6.2	5.5	4	2	3	4.2	20	186	50	20	7.7
18	4.2	4.4	5.5	4	3.5	1.5	5.3	22	185	49	14	7.4
19	4.0	5.5	5	4	3.5	1.5	6.9	16	190	47	13	7.2
20	4.0	6.7	5	4	3.5	1.5	6.9	15	200	44	13	7.2
21	3.9	5.5	5	4	2	1.5	8.5	16	210	44	12	7.2
22	4.6	5.5	5	4	2.5	2	6.9	17	212	44	12	7.2
23	4.9	4.6	4.5	4	2.5	2.1	5.7	22	200	40	12	7.2
24	5.1	5.1	4.5	4	2.5	1.8	9.9	25	185	37	13	7.4
25	3.9	5.5	4.5	4	2.5	1.8	47	26	170	33	14	7.4
26	4.0	4.6	5	4	2.5	2.0	41	30	165	28	13	8.2
27	5.1	4	5	4	2.5	2.1	19	33	138	27	12	9.0
28	4.9	6.3	4.5	3.5	2.5	4.6	9.6	40	125	26	12	8.5
29	4.2	7	4.5	3	-	2.7	11	43	126	32	11	8.5
30	5.7	5	4.5	4	-	2.5	8.0	53	124	33	11	7.7
31	6.4	-	4	3	-	2.4	-	62	-	29	11	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	123.1	6.4	1.2	3.97	244
November	183.6	8.5	3.9	6.12	364
December	153.5	6	4	4.95	304
Calendar year					
January	115.0	4	3	3.71	228
February	70.0	3.5	1.5	2.50	139
March	76.5	4.6	1.5	2.47	152
April	242.3	47	2.0	8.07	481
May	616.8	62	6.4	19.9	1,220
June	4,428	248	49	148	8,780
July	1,935	119	26	62.4	3,840
August	484	26	11	15.6	960
September	268.7	14	7.2	8.96	533
Water year 1934-35	8,696.5	248	1.5	23.8	17,240

Ranch Creek near Tabernash, Colo.

Location.- Water-stage recorder, lat. 39°59'55", long. 105°49'10", in sec. 6, T. 1 S., R. 75 W., a quarter of a mile above mouth of Meadow Creek and 1½ miles east of Tabernash.

Drainage area.- 50.7 square miles.

Records available.- September 1934 to September 1935.

Extremes.- Maximum discharge during period, 506 second-feet June 15 (gage height, 4.40 feet); minimum mean daily discharge, 4 second-feet (estimated) Mar. 28.

Remarks.- Records good except those estimated, which are fair. Discharge estimated Nov. 30 to Apr. 17 on basis of three discharge measurements and temperature records, May 20 to June 27 on basis of comparative hydrographs of Ranch Creek near Fraser and of Fraser River near West Portal. Several small diversions for irrigation above station.

Discharge, in second-feet, September 1934

Sept. 1	6.1	Sept. 11	10	Sept. 21	13
2	6.2	12	9.3	22	11
3	6.4	13	7.9	23	8.6
4	6.5	14	7.3	24	7.6
5	6.2	15	6.8	25	7.9
6	6.1	16	6.6	26	9.6
7	6.0	17	6.6	27	8.9
8	7.6	18	6.6	28	10
9	12	19	6.6	29	9.3
10	11	20	10	30	8.6

Note.- Mean discharge, Sept. 1-30, 8.21 second-feet; run-off, 489 acre-feet.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.6	6.0	8	6	5.5	6.5	9	18	118	182	39	18
2	8.6	7.1	7.5	6	5.5	7	11	16	109	166	36	15
3	8.3	6.8	8	5.5	5.5	7	12	14	113	180	32	14
4	7.6	7.6	9	5.5	5.5	6.5	11	14	120	162	32	13
5	7.3	9.3	8	5.5	5	6	10	15	123	143	30	13
6	7.3	11	7.5	5.5	5	5.5	9	19	164	134	28	13
7	7.1	14	7.5	6	5	5.5	8	20	206	136	28	15
8	6.8	13	8	6	5.5	5.5	9	22	220	134	28	21
9	6.6	13	7.5	6	6	5.5	11	20	235	116	26	20
10	5.3	9.6	7	6	6.5	6	10	22	264	107	24	15
11	4.9	9.3	7	6	6	6	9	23	288	109	24	13
12	4.7	13	7.5	6	5.5	6	11	25	308	111	23	12
13	4.9	12	7.5	6	5.5	6	13	33	336	86	21	11
14	6.0	12	7.5	6	5.5	6	16	33	361	86	20	11
15	6.6	13	8	6	6	6	18	31	382	89	20	10
16	6.8	13	8	6	6	6	19	32	341	60	22	9.6
17	6.8	15	7.5	6	5.5	6	21	43	268	78	35	8.6
18	6.8	9.6	7	6	5.5	6	25	73	252	70	24	8.3
19	6.6	11	7	6	6	6	35	55	240	61	20	7.9
20	6.6	13	7	6	6.5	6	30	50	252	58	18	7.6
21	6.0	9.6	7.5	6	6.5	6	27	52	262	58	18	7.6
22	6.0	10	8	6	6.5	6	23	52	268	67	18	7.9
23	6.0	9.6	7	6	7	6	22	62	262	67	18	7.9
24	6.0	11	7	6	6	6	17	67	256	53	20	8.3
25	6.6	10	6.5	6	5	6	14	70	248	52	24	8.3
26	6.6	9.6	6	6	4.5	6.5	16	78	238	41	22	8.3
27	5.8	9.3	5.5	6	4.5	6	18	81	230	38	18	13
28	6.0	10	5.5	6	5.5	4	24	94	220	36	16	11
29	6.6	9.0	5.5	6	-	5.5	21	99	200	40	16	11
30	5.8	8.5	5.5	6	-	6	22	122	192	56	15	10
31	6.6	-	5.5	6	-	7.5	-	134	-	44	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	202.2	8.6	4.7	6.52	401
November	314.9	15	6.0	10.5	625
December	221.5	9	5.5	7.15	439
Calendar year					
January	184	6	5.5	5.94	365
February	158.5	7	4.5	5.66	314
March	186.5	7.5	4	6.02	370
April	501	35	e	16.7	994
May	1,489	134	14	48.0	2,950
June	7,076	382	109	236	14,040
July	2,820	182	36	910	5,590
August	731	39	15	23.6	1,450
September	349.3	21	7.6	11.6	693
Water year 1934-35	14,233.9	382	4	39.0	28,230

Williams River below Steelman Creek, Colo.

Location.- Water-stage recorder, lat. 39°46'45", long. 105°55'30", in sec. 20, T. 3 S., R. 78 W., 7 miles southeast of Leal and just below mouth of Steelman Creek.

Drainage area.- 16.3 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; July 1933 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 332 second-feet June 15 (gage height, 2.45 feet); minimum occurred during winter.
1933-35: Maximum, that of June 15; minimum occurred during winter.

Remarks.- Records good except those for period Dec. 1 to Mar. 31, which are fair. Discharge estimated Dec. 1 to Apr. 2, Apr. 10.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 16)

0.2	1.5	1.4	73
.4	4.4	1.6	107
.6	10.5	1.8	152
.8	20	2.0	206
1.0	33	2.2	262
1.2	50	2.4	318

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.7	4.7					2.6	3.0	39	113	60	30
2	6.7	4.7					3.0	3.1	32	118	55	21
3	6.7	4.5					3.9	3.1	37	135	53	18
4	6.2	4.4					4.1	3.0	50	115	50	17
5	5.7	4.4					3.9	3.0	61	105	46	15
6	5.7	4.2					3.8	3.0	73	98	43	15
7	5.7	4.4					3.6	3.0	81	105	43	22
8	5.4	4.7					3.6	3.0	100	100	38	25
9	5.4	4.5					3.8	2.7	124	103	34	21
10	5.4	4.4					3.8	3.3	165	100	31	18
11	5.2	4.2					3.8	3.4	186	94	29	16
12	5.4	4.1					3.8	3.9	214	89	27	14
13	5.2	4.1					3.6	4.4	231	79	26	13
14	4.7	4.2					3.6	4.4	254	79	25	12
15	4.7	4.7					3.4	5.2	270	70	23	12
16	5.2	5.4					3.3	7.7	231	65	27	12
17	5.7	4.7					3.4	9.4	165	78	25	11
18	5.2	4.7					3.3	9.4	142	72	23	10
19	4.9	4.4					3.4	7.7	150	73	21	9.8
20	4.7	4.7					3.8	6.2	184	70	19	9.4
21	5.4	4.5					4.2	6.5	217	70	18	9.1
22	6.0	4.2					3.1	8.4	217	76	18	9.1
23	6.5	4.4					3.1	9.1	212	73	18	9.1
24	6.5	4.4					3.1	12	175	64	22	9.1
25	4.2	4.2					3.3	14	152	59	25	9.1
26	5.4	4.0				*2.0	3.1	21	142	57	22	10
27	5.7	4.2					3.0	30	142	52	19	12
28	6.0	3.8					3.0	34	118	51	18	12
29	5.7	4.2					3.0	35	118	65	16	11
30	7.4	4.0					3.0	43	122	83	16	10
31	8.0	-					-	53	-	68	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	177.3	8.0	4.2	5.72	352
November	132.0	5.4	3.8	4.40	262
December	93	-	-	3.0	184
Calendar year					
January	83.7	-	-	2.7	166
February	67.2	-	-	2.4	133
March	62	-	-	2.0	123
April	103.4	4.2	2.6	3.45	205
May	357.9	53	2.7	11.5	710
June	4,404	270	32	147	8,740
July	2,579	135	51	83.2	5,120
August	911	60	16	29.4	1,810
September	421.7	30	9.1	14.1	836
Water year 1934-35	9,392.2	270	-	25.7	18,640

*Discharge measurement.

Williams River near Leal, Colo.

Location.- Water-stage recorder, lat. 39°50', long. 106°3', in sec. 31, T. 2 S., R. 77 W., 2 miles north of Leal and just below mouth of Kinney Creek.

Drainage area.- 84 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; July 1933 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 1,330 second-feet June 15 (gage height, 3.49 feet); minimum mean daily discharge, 15 second-feet several days in February and March.

1933-35: Maximum discharge, that of June 15; minimum, that of February and March.

Remarks.- Records excellent except those for period Jan. 19 to Mar. 13, which were estimated on basis of one discharge measurement and temperature records.

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

Table for Oct. 1 to June 30

0.2	11	1.2	204	2.2	645
.4	28	1.4	278	2.4	745
.6	54	1.6	360	2.6	845
.8	94	1.8	450	2.8	950
1.0	144	2.0	545	3.0	1,060

Table for July 1 to Sept. 30

0.4	22	1.4	260
.6	48	1.6	350
.8	82	1.8	445
1.0	130	2.0	545
1.2	188		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	26	21	19	18	16	17	38	201	445	155	100
2	35	28	21	19	18	17	19	34	169	415	147	75
3	35	23	21	18	18	17	18	29	175	495	147	66
4	33	28	20	19	18	16	18	28	222	415	144	62
5	30	27	20	18	18	16	17	30	270	368	138	59
6	29	26	19	17	18	15	17	35	310	346	130	54
7	27	26	19	17	18	15	17	33	331	332	136	69
8	27	25	19	17	18	15	18	34	382	323	130	89
9	27	26	18	17	18	15	17	39	468	318	117	78
10	27	28	20	18	18	15	16	43	580	314	104	66
11	27	27	20	18	17	15	17	44	660	300	100	59
12	27	27	19	18	16	15	19	54	765	287	93	58
13	26	26	18	18	16	15	21	67	835	244	84	51
14	26	24	18	18	16	15	28	61	944	260	80	51
15	26	25	19	18	15	16	34	63	1,030	236	77	48
16	26	26	19	18	16	17	38	70	966	214	82	47
17	27	25	19	18	16	17	33	81	715	236	95	45
18	27	26	19	18	16	17	30	79	815	228	78	42
19	27	23	19	17	16	17	35	72	660	220	71	40
20	26	26	19	16	17	17	41	67	725	214	68	40
21	26	25	19	16	17	17	41	67	770	207	64	40
22	26	22	19	17	17	17	44	70	765	207	64	40
23	26	23	20	17	16	17	41	81	735	204	66	40
24	24	23	20	17	16	17	38	101	705	179	71	35
25	26	22	19	18	16	16	26	116	630	167	82	35
26	24	21	19	18	15	16	35	134	585	164	82	40
27	23	22	18	18	15	17	38	175	585	152	69	51
28	24	20	18	18	16	17	35	194	530	150	64	45
29	25	22	18	18	-	17	39	182	486	155	62	48
30	23	21	19	18	-	18	40	211	482	185	61	47
31	23	-	18	18	-	17	-	255	-	170	64	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	841	36	23	27.1	1,670
November	739	28	20	24.6	1,470
December	594	21	18	19.2	1,180
Calendar year 1934	26,097	510	18	71.5	51,760
January	549	19	16	17.7	1,090
February	469	18	15	16.8	930
March	504	18	15	16.3	1,000
April	847	44	16	28.2	1,680
May	2,587	255	28	83.5	5,130
June	17,296	1,030	169	577	34,310
July	8,150	495	150	263	16,170
August	2,925	155	61	94.4	5,800
September	1,620	100	35	54.0	3,210
Water year 1934-35	37,121	1,030	15	102	73,640

Williams River near Parshall, Colo.

Location.- Water-stage recorder, lat. 40°, long. 106°11', in sec. 1, T. 1 S., R. 79 W., 4 miles south of Parshall and 2½ miles above mouth of Battle Creek.

Drainage area.- 184 square miles.

Records available.- July 1904 to September 1924, October 1933 to September 1935 in reports of U. S. Geological Survey; July 1904 to September 1924, June 1933 to September 1935 in reports of State engineer. Prior to Oct. 1, 1924, station maintained 1 mile downstream from present site; records comparable.

Average discharge.- 22 years, 169 second-feet.

Extremes.- Maximum discharge during year, 1,460 second-feet June 16 (gage height, 4.00 feet); minimum mean daily discharge, 16 second-feet Oct. 19.
1904-24, 1933-35: Maximum discharge (estimated, 2,750 second-feet June 14, 1918 (revised); minimum mean daily discharge, 10 second-feet Sept. 15-17, 1934.

Remarks.- Records excellent except those for estimated period, Nov. 19 to Mar. 28, which are fair. Estimates based on four discharge measurements and temperature records. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1-4)

0.6	12	1.6	192	2.6	630
.8	27	1.8	264	2.8	735
1.0	51	2.0	342	3.0	850
1.2	82	2.2	430	3.2	970
1.4	127	2.4	530	3.4	1,090

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	28					52	108	330	495	152	146
2	56	32					56	98	294	440	136	114
3	54	29				28	58	89	291	520	122	96
4	50	34					57	87	330	460	114	91
5	46	35					56	82	376	402	111	89
6	44	33					54	98	445	363	96	86
7	42	33					48	98	485	342	93	89
8	42	34		*34		26	54	100	550	342	96	136
9	40	35					52	103	680	322	93	139
10	40	36					50	111	838	338	86	111
11	38	35					46	116	958	322	84	95
12	38	34					48	116	1,050	318	82	89
13	38	33				30	57	122	1,140	272	76	86
14	36	33					76	111	1,200	250	72	80
15	35	33					89	105	1,280	246	71	78
16	36	35					103	105	1,250	210	74	72
17	38	36					91	133	1,020	210	100	69
18	27	36				29	76	149	844	235	89	68
19	16	36					89	130	856	199	89	64
20	17	36					105	108	886	228	95	63
21	23	36			*28		108	96	964	206	91	64
22	33	36					116	111	940	214	79	60
23	33	34				32	105	136	904	221	82	45
24	32	34					95	165	850	185	86	35
25	32	34				32	74	189	762	158	96	36
26	32	32				36	68	206	640	146	108	44
27	31	33				40	87	242	640	133	93	72
28	29	30				46	103	318	540	122	86	76
29	29	33				56	103	314	525	122	86	74
30	27	32				62	119	314	515	217	80	69
31	27	-				56	-	380	-	192	87	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,117	56	16	36.0	2,220
November	1,010	36	28	33.7	2,000
December	992	-	-	32	1,970
Calendar year 1934	30,265	543	10	82.9	60,020
January	930	-	-	30	1,840
February	756	-	-	27	1,500
March	1,021	62	-	32.9	2,030
April	2,295	119	46	76.5	4,550
May	4,640	380	82	150	9,200
June	22,383	1,280	291	746	44,400
July	8,430	520	122	272	16,720
August	2,905	152	71	93.7	5,760
September	2,436	146	35	81.2	4,830
Water year 1934-35	48,915	1,280	-	134	97,020

Blue River at Dillon, Colo.

Location.- Water-stage recorder, lat. 39°36'50", long. 106°3'5", in sec. 18, T. 5 S., R. 77 W., on edge of Dillon, a short distance above mouths of Snake River and Tenmile Creek. Zero of gage is 8,821.42 feet above mean sea level.

Drainage area.- 129 square miles.

Records available.- October 1910 to September 1935.

Average discharge.- 25 years, 124 second-feet.

Extremes.- Maximum discharge during year, 809 second-feet June 15 (gage height, 3.28 feet); minimum occurred during winter.
1910-35: Maximum discharge, 1,180 second-feet June 14, 1924 (gage height, 3.6 feet); minimum, 7.4 second-feet Mar. 22, 1933 (discharge measurement).

Remarks.- Records excellent except those for period Nov. 2 to Apr. 13, which were estimated on the basis of three discharge measurements and temperature records. Practically no diversions above station that are not returned to river.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 14 to June 2)

1.0	25	1.5	87	2.0	184	3.0	600
1.1	33	1.6	103	2.2	238	3.2	745
1.2	45	1.7	120	2.4	306	3.3	825
1.3	58	1.8	139	2.6	386	3.5	990
1.4	72	1.9	160	2.8	484		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	27						41	192	244	202	101
2	38	29						43	187	248	174	98
3	38	30					23	43	177	317	154	92
4	38	31						39	177	325	152	87
5	37	32						37	197	274	147	82
6	37	33						35	224	248	135	78
7	37	33						39	260	235	130	81
8	37	33		*20			22	40	348	230	126	93
9	37	34						41	490	232	118	98
10	37	34						44	582	238	110	98
11	37							52	656	238	108	93
12	37				*16		25	57	685	254	108	90
13	32	32						65	685	244	106	86
14	32						26	74	753	232	101	78
15	31						29	75	761	221	97	75
16	31						29	75	649	205	95	72
17	31						29	78	518	192	98	71
18	31	28					29	93	437	194	101	66
19	31						30	97	414	192	103	64
20	31						31	95	423	189	98	62
21	31						33	87	448	187	93	59
22	31						35	84	418	192	92	58
23	30	24					40	64	395	232	89	58
24	30						44	93	369	235	90	58
25	30						44	117	340	202	103	58
26	30						41	130	314	179	126	59
27	27						36	147	306	165	141	64
28	26	22					33	162	292	158	131	65
29	25						37	170	248	156	117	62
30	25					*22	38	172	244	205	108	64
31	27	-				-	-	184	-	244	101	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,011	39	25	32.6	2,010
November	846	-	-	28.2	1,680
December	620	-	-	20	1,230
Calendar year 1934	26,962	387	-	73.9	53,490
January	589	-	-	19	1,170
February	476	-	-	17	944
March	589	-	-	19	1,170
April	885	44	-	29.5	1,760
May	2,593	184	35	83.6	5,140
June	12,189	761	177	406	24,180
July	6,907	325	156	223	13,700
August	3,654	202	89	118	7,250
September	2,270	101	58	75.7	4,500
Water year 1934-35	32,629	761	-	89.4	64,730

*Discharge measurement.

Snake River at Dillon, Colo.

Location.- Water-stage recorder, lat. 39°36'50", long. 106°3'5", in sec. 18, T. 5 S., R. 77 W., at highway bridge 100 yards above mouth of river at Dillon. Zero of gage is 8,820.54 feet above mean sea level.

Drainage area.- 92 square miles.

Records available.- October 1910 to September 1919, December 1929 to September 1935.

Average discharge.- 15 years (1910-19, 1929-35), 71.8 second-feet.

Extremes.- Maximum discharge during year, 1,200 second-feet June 13 (gage height, 4.25 feet); minimum probably occurred during winter.
1910-19, 1929-35: Maximum discharge, that of June 13, 1935; minimum, 3 second-feet Nov. 9, 1912.

Remarks.- Records excellent except those estimated for period Nov. 10 to Apr. 6, which are fair. Estimates based on three discharge measurements and temperature records. One diversion above station.

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

Table for Oct. 1 to June 12

1.2	6	2.6	174
1.4	12	2.8	236
1.6	22	3.0	335
1.8	37	3.2	455
2.0	58	3.4	585
2.2	86	3.5	650
2.4	125		

Table for June 13 to Sept. 30

1.2	9.5	2.6	174
1.4	18	2.8	236
1.6	29	3.0	335
1.8	47	3.2	455
2.0	72	3.4	585
2.2	100	3.6	720
2.4	132	3.8	860

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.4	7.2					7	15	44	233	130	46
2	8.4	7.8					8	13	42	226	118	32
3	8.1	12					8	12	50	359	116	29
4	8.1	10					9	12	71	233	111	27
5	8.1	9.6					10	14	91	202	100	25
6	8.1	12					10	14	121	182	92	21
7	8.1	11					9.6	12	148	174	87	32
8	7.8	10		*7.6			9.0	14	185	167	80	38
9	7.8	11					9.0	16	219	174	85	30
10	7.5	11					8.4	18	341	172	72	24
11	7.5						8.4	18	468	186	69	22
12	7.5				*12		9.6	20	630	209	68	20
13	7.5	10					12	20	832	164	60	18
14	7.5						11	20	741	167	57	18
15	7.5						13	18	839	157	53	18
16	7.8						14	16	546	141	59	17
17	7.8						10	18	371	145	72	14
18	7.8	9					10	21	330	139	64	14
19	7.8						14	18	353	132	55	14
20	7.8						16	16	413	126	52	13
21	7.8						19	14	455	150	48	13
22	8.1						18	12	437	177	44	13
23	8.4	8					17	14	401	212	46	13
24	7.5						13	15	377	160	47	13
25	7.2						16	15	313	139	52	14
26	7.5						18	20	308	119	47	14
27	7.5						20	31	296	102	46	16
28	7.8	7.5					18	28	267	100	39	15
29	7.2						16	28	233	110	36	17
30	8.1					*6.6	16	35	236	199	35	15
31	7.2	-					-	47	-	169	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	241.2	8.4	7.2	7.78	478
November	274.1	12	-	9.14	544
December	263.5	-	-	8.5	523
Calendar year 1934	12,606.2	359	-	34.5	25,010
January	248	-	-	8	492
February	252	-	-	9	500
March	248	-	-	8	492
April	377.0	20	7	12.6	748
May	584	47	12	18.8	1,160
June	10,158	839	42	339	20,150
July	5,327	359	100	172	10,570
August	2,072	130	32	66.8	4,110
September	615	46	13	20.5	1,220
Water year 1934-35	20,659.8	839	-	56.6	40,990

*Discharge measurement.

Tenmile Creek at Dillon, Colo.

Location.- Water-stage recorder, lat. 39°36'45", long. 106°3'15", in sec. 18, T. 5 S., R. 77 W., at highway bridge 300 yards above mouth at Dillon. Zero of gage is 8,819.97 feet above mean sea level.

Drainage area.- 113 square miles.

Records available.- October 1910 to September 1919, April 1930 to September 1935.

Average discharge.- 14 years, 131 second-feet.

Extremes.- Maximum discharge during year, 1,350 second-feet June 11 (gage height, 5.60 feet); minimum occurred during estimated period.

1910-19, 1930-35: Maximum discharge, 2,010 second-feet June 1, 1933 (gage height, 5.82 feet); minimum, 2 second-feet Feb. 15-17, 20, 1918.

Remarks.- Records good except those for period June 1-23, and those estimated Nov. 11 to Apr. 14 on basis of four discharge measurements and temperature records, which are fair. Small diversions for irrigation above station. No regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	21					22	39	418	208	162	66
2	24	24					24	34	386	200	118	59
3	24	20					24	31	432	238	98	55
4	26	23					26	32	528	242	106	53
5	30	20					26	33	602	200	106	53
6	27	23					26	35	668	172	100	53
7	26	22					24	35	732	175	104	77
8	26	25		*20			22	34	768	179	94	80
9	25	25					28	33	811	204	87	76
10	25	24					26	41	980	215	73	64
11	24	23					28	53	993	266	73	59
12	24	24			*21		30	62	993	258	74	56
13	25	24					36	65	1,010	190	67	54
14	26	23					40	64	980	190	64	53
15	24	23					43	65	922	172	63	50
16	24	22					31	66	663	152	70	50
17	26	21					30	76	448	146	85	48
18	25	20					27	97	400	139	80	48
19	25	20					31	83	448	123	71	46
20	25	20					37	71	522	131	67	45
21	24	20					44	64	472	149	61	45
22	24	20					50	68	428	172	71	46
23	24	24					44	87	396	182	80	44
24	24	22					35	142	377	142	92	44
25	24	22					32	210	337	110	106	46
26	23	21					33	305	320	98	110	50
27	22	21					39	340	303	88	100	60
28	22	21					37	358	262	87	98	55
29	21	21					38	362	223	113	74	61
30	21	21				*15	41	442	227	274	63	56
31	21	-					-	511	-	200	64	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	758	30	21	24.5	1,500
November	660	25	20	22.0	1,310
December	682	-	-	22	1,350
Calendar year 1934	27,447	528	-	75.2	54,440
January	661	-	-	21	1,290
February	588	-	-	21	1,170
March	568	-	-	18	1,110
April	974	60	22	32.5	1,930
May	3,938	511	31	127	7,810
June	17,048	1,010	223	568	33,810
July	5,415	266	87	175	10,740
August	2,681	162	61	86.5	5,320
September	1,652	80	44	55.1	3,280
Water year 1934-35	35,605	1,010	-	97.5	70,620

*Discharge measurement.

Roaring Fork at Aspen, Colo.

Location.- Water-stage recorder, lat. 39°11'20", long. 106°48'55", in sec. 7, T. 10 S., R. 84 W., at Aspen, just above mouth of Hunter Creek and 15 miles below diversion for transmountain tunnel.

Drainage area.- 109 square miles.

Records available.- January 1911 to September 1921, January 1934 to September 1935 in reports of U. S. Geological Survey; January 1911 to September 1921, April 1932 to September 1935 in reports of State engineer. Prior to Feb. 24, 1915, station three-quarters of a mile upstream from present site; records comparable.

Average discharge.- 13 years, 170 second-feet.

Extremes.- Maximum discharge during period, 1,370 second-feet June 16 (gage height, 4.69 feet); minimum mean daily discharge, 23 second-feet Jan. 24, 25.

1911-21, 1933-35: Maximum discharge, 3,170 second-feet June 18, 1917 (gage height, 7.2 feet, present datum, from high-water marks); minimum mean daily discharge, 15 second-feet July 15, 16, 1934.

Remarks.- Records excellent above 40 second-feet and good below. The Twin Lakes transmountain tunnel diverts water above station to the Arkansas River Basin. The diversion began on May 24, 1935. The combined flow of this diversion and Roaring Fork is comparable to the record of this station prior to May 24, 1935.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Nov. 11-30, Dec. 16 to Mar. 6, Mar. 13 to Apr. 16)

0.6	16	1.4	84	2.2	214	3.0	406	3.8	780	4.6	1,310
.8	28	1.6	109	2.4	257	3.2	480	4.0	900	4.7	1,380
1.0	44	1.8	140	2.6	304	3.4	565	4.2	1,030		
1.2	62	2.0	175	2.8	352	3.6	665	4.4	1,170		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	27	26	26	25	27	29	64	246	400	91	58
2	44	27	27	27	26	27	28	71	250	378	81	45
3	42	28	28	27	30	26	29	60	282	373	71	40
4	42	27	28	26	30	25	30	48	340	350	72	31
5	42	26	27	24	29	24	30	47	400	316	80	27
6	41	38	28	24	30	24	30	44	476	299	69	27
7	41	38	26	26	29	24	29	44	560	309	59	60
8	41	38	24	26	27	26	29	45	645	316	63	83
9	41	38	26	27	29	24	30	45	780	299	59	82
10	41	38	28	26	29	25	30	58	912	280	53	75
11	39	38	27	26	29	25	28	71	967	266	46	68
12	39	38	26	24	27	24	28	90	1,030	257	49	62
13	38	34	27	26	26	26	29	100	1,120	233	44	59
14	38	34	27	26	25	26	31	96	1,170	220	39	55
15	38	34	28	26	25	26	36	96	1,200	202	36	50
16	38	34	29	26	24	26	40	102	1,090	179	37	50
17	36	32	29	26	25	26	44	124	692	166	43	40
18	36	34	29	26	25	28	44	137	585	171	42	30
19	36	34	29	26	25	28	46	127	698	173	30	30
20	36	32	27	26	24	27	46	112	762	161	28	30
21	35	32	29	25	26	28	46	112	858	140	28	29
22	33	30	27	24	24	29	48	126	792	134	29	37
23	30	29	27	24	24	29	63	134	709	124	30	44
24	27	28	27	23	25	28	59	154	709	114	39	44
25	28	28	29	23	26	27	49	173	575	105	78	56
26	28	28	28	24	25	28	51	218	508	108	83	71
27	26	30	28	24	26	27	58	280	529	110	66	81
28	28	32	28	24	29	24	73	306	460	101	58	80
29	28	32	28	25	-	24	68	275	395	101	53	84
30	27	34	27	25	-	26	64	292	406	96	49	65
31	26	-	27	25	-	28	-	285	-	104	55	-

Month	Observed					Twin Lakes diversion (acre-feet)	Run-off corrected for diversion (acre-feet)
	Second-foot-days	Discharge in second-feet			Run-off in acre-feet		
		Maximum	Minimum	Mean			
October	1,111	46	26	35.8	2,200	0	2,200
November	972	38	26	32.4	1,930	0	1,930
December	851	29	24	27.5	1,690	0	1,690
Calendar year 1934	30,726	707	15	84.2	60,940	0	60,940
January	783	27	23	25.3	1,550	0	1,550
February	744	30	24	26.6	1,480	0	1,480
March	812	29	24	26.2	1,610	0	1,610
April	1,245	73	28	41.5	2,470	0	2,470
May	3,936	306	44	127	7,810	747	8,560
June	20,146	1,200	246	672	39,960	11,300	51,260
July	6,585	400	96	212	13,060	4,170	17,230
August	1,660	91	28	53.5	3,290	1,160	4,450
September	1,593	84	27	53.1	3,160	833	3,990
Water year 1934-35	40,438	1,200	23	111	80,210	18,210	98,420

Note.- Diversion for Twin Lakes transmountain tunnel started May 24, 1935.

Roaring Fork at Glenwood Springs, Colo.

Location.- Water-stage recorder, lat. 39°33', long. 107°20', in sec. 9, T. 6 S., R. 89 W., 1,500 feet above mouth of river at Glenwood Springs. Zero of gage is 5,720.73 feet above mean sea level.

Drainage area.- 1,460 square miles.

Records available.- April 1906 to September 1909, September 1910 to September 1931, October 1933 to September 1935 in reports of U. S. Geological Survey; April 1906 to September 1909, September 1910 to September 1935 in reports of State engineer.

Average discharge.- 28 years, 1,545 second-feet.

Extremes.- Maximum discharge during year, 12,500 second-feet June 15 (gage height, 7.35 feet); minimum, 145 second-feet Jan. 21 (gage height, 0.65 foot).
1906-9, 1910-35: Maximum discharge, 17,600 second-feet June 14, 1918, and June 14, 1921; minimum, that of Jan. 21.

Remarks.- Records excellent. Discharge estimated Jan. 5, 6, 23, 24 by comparison with temperature records. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 15 to Apr. 13)

0.6	126	2.0	1,160	3.4	2,900
.8	214	2.2	1,350	3.6	3,220
1.0	344	2.4	1,550	4.0	3,930
1.2	488	2.6	1,780	4.5	4,940
1.4	646	2.8	2,040	5.0	6,080
1.6	812	3.0	2,320	6.0	8,620
1.8	982	3.2	2,600	7.0	11,480

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	511	337	310	251	270	264	337	896	2,820	4,340	1,510	820
2	504	379	351	251	264	257	351	820	2,500	4,340	1,370	812
3	451	372	344	264	270	264	386	770	2,630	4,320	1,260	728
4	473	365	283	296	270	257	379	745	3,270	4,100	1,200	695
5	458	400	317	369	270	251	386	720	3,840	3,760	1,170	646
6	458	400	324	336	290	209	372	795	4,730	3,490	1,090	622
7	466	393	372	296	310	226	330	829	5,450	3,490	1,030	712
8	429	393	365	290	296	257	344	854	6,130	3,410	1,110	1,040
9	407	386	386	317	283	233	393	948	6,760	3,510	1,190	965
10	400	393	393	303	251	220	344	1,040	8,010	3,580	1,020	922
11	393	393	379	283	257	220	317	1,180	8,700	3,530	956	854
12	386	386	358	317	270	239	310	1,340	9,120	3,320	939	795
13	386	372	372	276	264	245	344	1,460	9,520	3,030	896	770
14	379	365	372	283	257	296	407	1,420	10,300	2,900	837	728
15	393	365	351	283	226	344	504	1,290	10,800	2,760	778	687
16	414	365	358	290	251	303	630	1,290	10,400	2,470	778	662
17	400	358	324	251	251	283	679	1,420	7,160	2,320	804	622
18	386	358	330	209	264	296	606	1,590	5,980	2,330	812	550
19	400	358	283	257	283	303	598	1,520	6,340	2,190	753	527
20	429	344	344	276	270	296	712	1,380	6,860	2,150	770	488
21	414	344	337	179	290	283	829	1,280	8,060	2,070	630	488
22	407	351	324	214	264	296	879	1,390	7,440	1,980	622	488
23	386	337	330	276	264	283	862	1,580	7,210	1,880	695	496
24	372	358	317	330	283	296	829	2,120	7,140	1,720	662	496
25	365	337	324	372	257	276	728	2,590	6,130	1,620	812	582
26	379	344	270	379	194	310	662	2,860	5,290	1,530	913	837
27	365	324	296	372	220	317	687	3,340	5,610	1,480	862	1,080
28	365	337	344	324	251	296	736	3,840	5,160	1,410	778	939
29	365	344	317	303	-	303	770	3,440	4,520	1,380	745	913
30	358	344	290	270	-	337	871	3,360	4,690	1,420	695	871
31	351	-	303	270	-	365	-	3,510	-	1,540	720	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,650	511	351	408	25,090
November	10,902	400	324	363	21,620
December	10,368	393	270	334	20,560
Calendar year 1934	245,498	3,730	267	673	486,900
January	8,987	379	179	290	17,830
February	7,390	310	194	264	14,660
March	8,825	365	209	278	17,110
April	16,882	879	310	553	32,890
May	51,617	3,840	720	1,665	102,400
June	192,570	10,800	2,500	6,419	382,000
July	83,370	4,340	1,380	2,689	165,400
August	28,407	1,510	622	916	56,340
September	21,835	1,080	488	728	43,310
Water year 1934-35	453,303	10,800	179	1,242	899,200

Crystal River near Redstone, Colo.

Location.- Water-stage recorder, lat. 39°18', long. 107°13', in NE¼ sec. 9, T. 9 S., R. 88 W., 75 feet below mouth of Nettle Creek and 7 miles below Redstone.

Drainage area.- 197 square miles.

Records available.- May to September 1935. Records 1908-9 from staff gage 3 miles downstream not comparable.

Extremes.- Maximum discharge during period, 2,980 second-feet June 15 (gage height, 4.80 feet); minimum mean daily discharge, 110 second-feet Sept. 22.

Remarks.- Records excellent except those for period June 1-10, which are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	770	1,500	421	244
2								-	720	1,480	373	214
3								-	830	1,450	320	187
4								-	1,080	1,360	314	166
5								-	1,250	1,280	295	153
6								-	1,420	1,200	283	146
7								-	1,580	1,220	286	198
8								-	1,730	1,230	324	259
9								-	1,900	1,250	320	220
10								-	2,140	1,230	280	198
11								-	2,250	1,170	271	190
12								533	2,290	1,120	262	166
13								560	2,450	1,060	235	155
14								538	2,510	1,020	220	146
15								497	2,520	960	209	138
16								502	2,260	875	238	130
17								533	1,740	800	238	130
18								596	1,680	800	232	126
19								546	1,620	690	212	121
20								497	1,900	740	187	116
21								502	2,080	705	175	112
22								569	2,010	675	195	110
23								665	2,080	605	223	120
24								810	1,940	569	206	115
25								950	1,760	569	280	153
26								1,040	1,670	551	283	244
27								1,160	1,690	520	232	271
28								1,100	1,570	484	203	209
29								999	1,400	474	195	200
30								982	1,570	461	187	185
31								944	-	456	198	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 12-31	14,523	1,160	497	726	28,810
June	52,610	2,520	720	1,754	104,400
July	28,504	1,500	456	919	56,540
August	7,897	421	175	255	15,660
September	5,122	271	110	171	10,160
The period					215,600

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Willow Creek near Raven, Colo.

Location.- Water-stage recorder, lat. 39°16', long. 107°31', in sec. 13, T. 9 S., R. 91 W., 350 yards above mouth and 15 miles south of Raven.

Drainage area.- 12 square miles.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 207 second-feet May 26 (gage height, 3.06 feet); no flow Sept. 16-24.

Remarks.- Records good except those estimated for periods June 3-9, Sept. 10-22. No diversions above station.

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

0.2	0.1	1.6	49
.4	.4	1.8	68
.6	2.0	2.0	88
.8	5.8	2.2	108
1.0	11	2.4	128
1.2	19	2.6	152
1.4	31	2.8	176

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	87	2.4	0.2	0.1
2								-	102	2.2	.2	.1
3								-	113	2.4	.2	.1
4								-	129	2.2	.2	.1
5								-	122	2.0	.2	.1
6								-	103	1.9	.1	.1
7								-	87	2.0	.1	.2
8								-	81	1.9	.2	.6
9								-	75	1.4	.3	.4
10								-	69	1.2	.3	.2
11								-	52	1.1	.2	.2
12								-	46	1.0	.2	.1
13								-	40	1.0	.1	.1
14								-	34	.7	.1	.1
15								-	26	.6	.1	.1
16								-	20	.6	.3	0
17								-	17	.6	.2	0
18								-	15	.5	.2	0
19								-	13	.5	.1	0
20								53	12	.6	.1	0
21								55	9.9	.7	.1	0
22								74	8.8	.6	.1	0
23								104	7.5	.3	.5	0
24								126	6.3	.3	.4	0
25								141	6.0	.2	.4	.1
26								146	5.4	.1	.4	.3
27								154	5.2	.2	.5	.7
28								135	5.0	.2	.2	.7
29								124	5.0	.1	.2	.6
30								120	3.4	.2	.1	.4
31								104	-	.5	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 20-31	1,336	154	53	111	2,650
June	1,305.5	129	3.4	43.5	2,590
July	30.0	2.4	.1	.97	60
August	6.4	.5	.1	.21	13
September	5.4	.7	0	.18	11
The period					5,320

Roan Creek at Simmons ranch, near Highmore, Colo.

Location.- Water-stage recorder, lat. 39°31', long. 108°32', in sec. 26, T. 6 S., R. 100 W., at Simmons ranch, 4 miles above mouth of Carr Creek and 4 miles west of Highmore.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 120 second-feet May 26 (gage height, 1.92 feet); minimum mean daily discharge, 0.4 second-foot (estimated) Sept. 26-26.

Remarks.- Records good above 20 second-feet and poor below. Discharge estimated July 25 to Sept. 30 on the basis of comparative hydrograph of Carr Creek. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	59	5.6	1.4	0.6
2								-	52	5.3	1.4	.6
3								-	47	5.5	1.4	.6
4								-	44	4.7	1.2	.6
5								-	43	4.2	1.2	.6
6								-	42	2.8	1.0	.6
7								-	41	2.6	1.0	.6
8								-	41	2.6	.8	.6
9								-	45	2.2	.8	.6
10								-	48	2.2	.7	.6
11								-	48	2.0	.7	.5
12								-	37	1.8	.6	.5
13								-	28	2.0	.6	.5
14								-	25	1.5	.5	.5
15								-	25	2.3	.5	.5
16								76	24	2.3	20	.5
17								88	20	2.2	8.0	.5
18								98	15	2.6	3.2	.5
19								100	13	2.5	2.2	.5
20								84	12	2.2	1.8	.5
21								72	12	2.3	1.2	.5
22								68	11	2.3	.8	.5
23								76	12	1.8	.6	.5
24								98	12	1.9	.7	.5
25								112	12	1.8	.6	.5
26								112	12	1.8	.6	.4
27								98	10	1.8	.6	.4
28								88	8.9	1.7	.6	.4
29								82	8.0	1.7	.6	.5
30								82	6.5	1.7	.6	.5
31								76	-	1.6	.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 16-31	1,410	112	68	88.1	2,800
June	813.4	59	6.5	27.1	1,610
July	79.5	5.6	1.6	2.56	158
August	56.5	20	.5	1.82	112
September	15.7	.6	.4	.52	31
The period					4,710

Carr Creek at Altenbern ranch, near Highmore, Colo.

Location.- Water-stage recorder, lat. 39°35', long. 108°32', in sec. 30, T. 5 S., R. 99 W., at Altenbern ranch, 8 miles above mouth and 7½ miles northwest of Highmore.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 143 second-feet May 26 (gage height, 1.90 feet); minimum mean daily discharge, 1.1 second-feet Sept. 27, 28.

Remarks.- Records good except those for period Aug. 15 to Sept. 30, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	82	10	3.4	2.7
2								-	73	10	3.4	2.4
3								-	63	10	3.4	2.6
4								-	58	10	3.4	2.0
5								-	52	9.4	3.2	2.6
6								-	48	9.4	3.2	3.1
7								-	45	9.4	3.4	2.4
8								-	40	8.4	2.7	2.4
9								-	38	7.9	2.6	2.4
10								-	33	7.9	2.6	2.4
11								-	30	7.4	2.4	1.7
12								-	26	6.2	1.9	1.9
13								-	23	6.2	2.0	1.9
14								-	20	5.5	2.0	1.9
15								61	19	5.5	2.6	2.0
16								65	19	3.4	36	1.6
17								80	18	3.4	10	1.5
18								112	17	3.4	5.8	1.6
19								113	16	3.4	4.1	1.5
20								101	15	3.8	3.8	1.5
21								83	12	3.4	3.4	1.5
22								69	12	3.2	3.4	1.5
23								76	11	3.2	3.4	1.4
24								94	11	3.2	3.8	1.4
25								116	11	3.2	3.4	1.5
26								122	11	3.2	3.2	1.2
27								113	10	3.4	3.4	1.1
28								96	10	3.2	3.8	1.1
29								90	10	3.1	3.2	1.2
30								89	10	3.2	3.2	1.5
31								88	-	3.2	3.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 15-31	1,568	122	61	92.2	3,110
June	845	82	10	28.1	1,670
July	176.1	10	3.1	5.68	349
August	139.2	36	1.9	4.49	276
September	55.5	3.1	1.1	1.85	110
The period					5,520

Plateau Creek near Collbran, Colo.

Location.- Water-stage recorder, lat. 39°15', long. 107°50', in sec. 24, T. 9 S., R. 94 W. (revised), 7 miles east of Collbran.

Drainage area.- 88 square miles.

Records available.- August 1921 to September 1927 (monthly discharge), October 1933 to September 1935 in reports of U. S. Geological Survey; August 1921 to September 1935 in reports of State engineer.

Average discharge.- 14 years, 110 second-feet.

Extremes.- Maximum discharge during year, 886 second-feet June 6 (gage height, 3.86 feet); minimum occurred during winter.

1921-35: Maximum discharge, 2,800 second-feet May 28, 1922 (gage height, 6.72 feet, former datum), supersedes figures published in Water-Supply Paper 764; minimum daily discharge, 3 second-feet Sept. 21, 1926.

Remarks.- Records fair. Discharge estimated Nov. 24 to Mar. 26 on the basis of one discharge measurement and temperature records.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	8.2					15	48	486	224	33	16
2	10	8.6					17	46	541	199	20	13
3	10	8.8				12	18	39	577	174	21	13
4	9.6	10					17	40	614	142	23	12
5	9.0	9.6					15	38	660	112	21	11
6	8.6	9.6					16	43	756	93	20	11
7	7.8	9.6					14	51	778	90	19	30
8	7.8	9.4				10	13	65	788	83	47	38
9	7.8	9.4					19	96	783	68	62	25
10	7.8	9.6					17	119	767	60	29	16
11	7.8	8.4					17	142	745	49	23	14
12	8.0	9.0					18	161	692	52	20	13
13	8.4	8.6				11	21	172	582	64	18	12
14	8.0	8.6					52	181	384	42	17	12
15	8.0	8.8					65	134	432	34	15	11
16	7.6	8.2					48	147	506	30	17	11
17	9.0	9.4					46	158	541	29	24	11
18	8.0	9.4				10	35	175	526	30	24	11
19	8.4	9.0			*12		40	156	451	32	16	11
20	8.4	9.6					57	134	481	35	14	11
21	7.8	10					64	132	456	37	14	11
22	8.2	9.6					69	150	422	33	16	11
23	8.6	9.6				12	57	232	412	26	15	11
24	8.2						47	284	364	25	17	12
25	8.4						44	302	347	20	19	26
26	8.6					13	40	403	329	19	23	55
27	7.8	10				13	43	446	293	21	17	38
28	7.6					15	46	446	297	30	21	35
29	7.8					13	48	471	275	33	17	30
30	7.4					15	56	471	258	43	16	19
31	7.8	-				16	-	506	-	74	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	259.2	11	7.4	8.36	514
November	281.0	-	-	9.37	557
December	372	-	-	12	738
Calendar year					
January	341	-	-	11	676
February	280	-	-	10	555
March	358	16	-	11.5	710
April	1,074	69	13	35.8	2,130
May	5,988	506	38	193	11,880
June	15,563	788	258	519	30,870
July	2,003	224	19	64.6	3,970
August	676	62	14	21.8	1,340
September	550	55	11	18.3	1,090
Water year 1934-35	27,745.2	788	-	76.0	55,030

*Discharge measurement.

Buzzard Creek near Collbran, Colo.

Location.- Water-stage recorder, lat. 39°16', long. 107°52', in sec. 14, T. 9 S., R. 94 W., 7 miles east of Collbran and half a mile above mouth of Brush Creek.

Drainage area.- 139 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; August 1921 to September 1935 in reports of State engineer.

Average discharge.- 14 years, 58.0 second-feet.

Extremes.- Maximum discharge during year, 489 second-feet May 26 (gage height, 5.07 feet); minimum mean daily discharge, 0.2 second-foot Sept. 22-23.

1921-35: Maximum discharge, 1,270 second-feet May 18, 1922 (gage height, 7.8 feet); minimum, 0.1 second-foot Aug. 27, 1934 (gage height, 0.76 foot).

Remarks.- Records excellent except those for period Aug. 1 to Sept. 30, which are good, and those estimated Nov. 25 to Mar. 27, which are fair. Discharge estimated Nov. 25 to Mar. 27 on basis of three discharge measurements and temperature records. Diversions for irrigation above station.

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

0.8	0.1	1.8	21.5	2.8	112
1.0	.8	2.0	29	3.0	140
1.2	4.5	2.2	42	3.5	216
1.4	9.2	2.4	60	4.0	298
1.6	15	2.6	84	4.5	386

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.4					16	79	251	26	0.8	0.7
2	.3	.4					23	74	256	20	.7	.4
3	.4	.5				3	24	76	284	18	.8	.4
4	.4	.5					17	95	301	16	.8	.4
5	.4	.5					15	72	315	14	.7	.4
6	.4	.5					13	78	305	11	.6	.4
7	.3	.5					12	87	313	8.7	.5	.6
8	.3	.4				2	14	108	296	7.4	.6	2.7
9	.3	.4					13	140	272	7.4	.7	7.4
10	.3	.5					13	166	269	7.7	.7	4.3
11	.4	.5					13	185	279	6.7	.6	3.3
12	.3	.6					24	196	271	3.3	.4	1.6
13	.4	.7				6	31	226	229	2.9	.4	1.1
14	.4	.4					51	200	256	2.9	.4	.8
15	.4	.4					82	160	248	2.5	.4	.6
16	.4	.4					102	158	224	2.2	.6	.6
17	.3	.6					74	174	170	2.2	1.3	.5
18	.3	.6				8	49	221	133	2.0	.8	.4
19	.4	.6			*1.7		49	229	112	2.5	.5	.3
20	.4	.6					61	192	92	2.7	.4	.3
21	.4	.7					70	168	91	4.1	.4	.3
22	.4	.7					87	180	73	2.7	.4	.2
23	.4	.6				10	76	216	65	2.3	.3	.2
24	.4	.8					64	293	54	2.2	.5	.3
25	.4	.7					62	366	44	1.1	.6	.4
26	.3	.6				12	65	379	36	.8	.4	.8
27	.4	.5				14	101	352	30	.8	.6	16
28	.4	.5				16	87	361	30	.7	1.8	14
29	.4	.5				15	74	330	28	.7	.8	9.0
30	.4	.5				19	90	315	25	.7	.8	7.2
31	.3	-				18	-	315	-	1.8	.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11.4	0.4	0.3	0.37	23
November	16.1	.8	.4	.54	32
December	31.0	-	-	1.0	61
Calendar year					
January	46.5	-	-	1.5	92
February	42.0	-	-	1.5	83
March	239	19	-	7.7	474
April	1,472	102	12	49.1	2,920
May	6,191	379	72	200	12,280
June	5,352	315	25	178	10,620
July	184.0	26	.7	5.94	365
August	20.1	1.8	.3	.65	40
September	75.6	16	.2	2.52	150
Water year 1934-35	13,680.7	379	-	37.5	27,140

*Discharge measurement.

Taylor River at Almont, Colo.

Location.- Water-stage recorder, lat. 38°40', long. 106°51', in sec. 22, T. 51 N., R. 1 E., in Almont, 800 feet above junction with East River. Zero of gage is 8,011.98 feet above mean sea level.

Drainage area.- 440 square miles.

Records available.- July 1910 to September 1931, October 1933 to September 1935 in reports of U. S. Geological Survey; July 1910 to September 1935 in reports of the State engineer.

Average discharge.- 25 years, 373 second-feet.

Extremes.- Maximum discharge during year, 2,390 second-feet June 16 (gage height, 5.04 feet); minimum probably occurred during winter.

1910-35: Maximum discharge, 3,760 second-feet June 9, 1920 (gage height, 5.0 feet); minimum, 50 second-feet several days during August 1913 (gage height, 1.2 feet).

Remarks.- Records good except those estimated for period Dec. 1 to Mar. 24, which are fair. Practically no diversions above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 3 to Nov. 30, and Sept. 2-30)

1.4	86	2.2	360	3.0	780	3.8	1,360
1.6	120	2.4	460	3.2	910	4.0	1,520
1.8	174	2.6	562	3.4	1,060	4.5	1,920
2.0	262	2.8	668	3.6	1,210	5.0	2,350

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	135	120					102	276	630	854	400	330
2	135	127					111	178	652	816	345	276
3	133	106				100	116	164	700	804	320	239
4	135	133					116	145	804	768	340	216
5	142	127					115	155	903	706	350	212
6	140	124					118	199	1,030	684	305	199
7	138	129					109	335	1,180	695	300	244
8	135	129				105	116	296	1,320	679	305	380
9	135	129					127	345	1,430	646	310	296
10	133	135					111	400	1,600	636	300	248
11	133	131					106	440	1,760	630	281	216
12	133	131					113	460	1,860	598	325	195
13	138	129				110	122	430	1,950	583	291	178
14	138	127					142	420	2,080	557	262	168
15	138	127					191	370	2,060	557	244	161
16	138	129					221	400	2,070	495	244	161
17	142	129					225	395	1,570	470	253	155
18	140	142				107	161	390	1,450	505	257	142
19	135	138					140	360	1,530	500	225	138
20	133	118					208	340	1,600	480	208	135
21	131	127					272	345	1,650	510	203	138
22	129	129					375	390	1,500	552	216	148
23	129	133				105	345	445	1,390	485	221	152
24	127	138					267	541	1,410	450	216	135
25	129	116				102	208	614	1,220	415	262	145
26	124	127				100	191	668	1,120	375	262	191
27	122	116				100	203	722	1,110	355	262	239
28	120	116				100	234	739	1,020	350	248	203
29	118	127				100	272	657	925	400	248	208
30	118	118				99	320	706	896	420	225	182
31	116	-				100	-	695	-	500	262	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,092	142	116	132	8,120
November	3,807	142	106	127	7,550
December	3,720	-	-	120	7,380
Calendar year 1934	68,238	735	-	187	135,300
January	3,565	-	-	115	7,070
February	3,080	-	-	110	6,110
March	3,231	-	-	104	6,410
April	5,457	375	102	182	10,820
May	13,020	739	145	420	25,820
June	40,420	2,080	630	1,347	80,170
July	17,475	854	350	564	34,660
August	8,490	400	203	274	16,840
September	6,030	380	135	201	11,960
Water year 1934-35	112,387	2,080	-	308	222,900

Gunnison River near Grand Junction, Colo.

Location.- Water-stage recorder, lat. 39°2', long. 108°34', in NW¼ sec. 35, T. 1 S., R. 1 W. Ute Meridian, near Grand Junction, half a mile below Redlands Power Canal, and 2 miles above mouth.

Drainage area.- 8,020 square miles.

Records available.- April 1917 to September 1928, January 1934 to September 1935, and for station near mouth October 1894 to December 1895, May 1897 to September 1899 in reports of U. S. Geological Survey; April 1917 to September 1930, January 1934 to September 1935 in reports of State engineer.

Average discharge (river and canal).- 15 years (1917-30, 1933-35), 2,938 second-feet.

Extremes.- Combined flow: Maximum discharge, 16,400 second-feet June 15; minimum mean daily, 196 second-feet Oct. 10-11.
1917-30, 1933-35: Maximum discharge, 35,700 second-feet May 23, 1920 (gage height, 14.95 feet); minimum mean daily discharge, 106 second-feet July 20, 1934.

Remarks.- Records good. Discharge estimated Jan. 6-8, 24-27, when stage discharge relation was affected by ice. Diversions for irrigation above stations. Combined flow of river and Redlands Power Canal, less about 25 second-feet diverted for irrigation during irrigation season, represents flow that enters Colorado River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	228	268	756	744	808	676	860	2,100	7,370	4,520	1,030	909
2	259	295	686	638	737	740	853	1,900	6,440	4,060	1,130	1,020
3	249	289	703	655	766	756	778	1,640	5,960	3,920	1,020	1,000
4	202	323	690	649	722	771	802	1,500	6,680	3,900	926	891
5	200	435	679	652	714	768	763	1,340	7,700	3,530	878	739
6	198	396	726	634	714	726	695	1,270	8,840	3,030	952	607
7	198	402	703	626	726	666	622	1,460	9,690	2,740	948	574
8	198	442	742	670	772	666	499	1,810	10,600	2,650	895	928
9	198	459	776	751	757	703	465	2,510	11,500	2,680	951	1,120
10	196	434	807	795	737	708	499	3,120	12,400	2,580	1,100	1,280
11	196	445	841	771	726	689	462	3,640	13,600	2,710	1,200	1,130
12	198	435	863	834	695	651	343	3,950	14,500	2,660	1,140	1,020
13	198	435	851	838	595	648	288	4,360	14,600	2,720	1,060	935
14	204	452	840	774	616	681	288	5,060	14,700	2,690	928	829
15	365	439	879	771	594	756	383	4,790	15,500	2,340	775	766
16	316	442	966	821	577	843	510	4,450	15,800	2,060	683	688
17	326	444	975	805	539	845	1,110	3,980	13,200	1,840	682	654
18	408	485	869	712	431	787	1,230	4,100	10,900	1,610	765	580
19	397	519	803	647	543	791	1,040	4,200	9,150	1,940	817	533
20	307	563	743	647	730	776	953	3,840	9,610	1,920	793	517
21	315	635	797	647	734	760	1,170	3,910	10,100	2,330	711	453
22	323	674	807	455	745	696	1,740	4,330	10,200	2,260	639	397
23	301	678	847	540	761	696	2,120	4,640	9,280	2,230	626	411
24	315	682	823	640	754	725	2,160	5,440	8,870	2,140	669	397
25	301	699	823	730	734	762	1,900	6,460	8,190	1,670	608	550
26	296	767	803	790	738	773	1,530	7,320	6,990	1,380	854	1,020
27	288	799	760	790	695	758	1,140	7,900	6,110	1,700	948	1,300
28	260	755	713	735	622	756	1,110	8,470	5,780	1,500	1,080	1,850
29	296	615	756	790	-	713	1,550	8,480	5,100	921	1,140	1,760
30	292	763	779	865	-	709	1,920	8,070	4,550	1,260	1,060	1,630
31	290	-	764	845	-	694	-	7,800	-	1,090	1,010	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,318	408	196	268	16,500
November	15,469	799	268	516	30,680
December	24,590	975	679	793	48,770
Calendar year 1934	266,579	4,190	106	730	528,800
January	22,311	865	455	720	44,250
February	19,282	808	431	689	38,250
March	22,689	845	648	732	45,000
April	29,783	2,160	288	993	59,070
May	133,840	8,480	1,270	4,317	265,500
June	293,910	15,800	4,550	9,797	583,000
July	74,481	4,520	921	2,403	147,700
August	28,008	1,200	608	903	55,550
September	26,488	1,850	397	883	52,540
Water year 1934-35	699,169	15,800	196	1,916	1,387,000

East River at Almont, Colo.

Location.- Water-stage recorder, lat. 38°40', long. 106°51', in sec. 22, T. 51 N., R. 1 E., at Almont, 400 feet above mouth. Present gage is 300 feet upstream from gages used in 1905 and 1910-22 and is referred to different datum.

Drainage area.- 295 square miles.

Records available.- April to October 1905, July 1910 to April 1922, October 1934 to September 1935.

Extremes.- Maximum discharge during year, 2,840 second-feet June 14 (gage height, 5.25 feet); minimum probably occurred during period of no record.
1905, 1910-22, 1934-35: Maximum discharge, about 6,500 second-feet June 15, 1920 (gage height, 6.60 feet, former datum); minimum, 19 second-feet Aug. 13, 1913.

Remarks.- Records good. No record Dec. 1 to Mar. 17. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage heights, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 18 to June 13)

1.0	44	2.2	320	3.4	1,125
1.2	65	2.4	424	3.6	1,295
1.4	93	2.6	546	3.8	1,465
1.6	132	2.8	674	4.0	1,645
1.8	182	3.0	812	4.5	2,105
2.0	243	3.2	960	5.0	2,590

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	61	62				-	70	334	1,110	1,040	304	243
2	56	65				-	74	262	1,050	984	284	217
3	60	65				-	78	258	1,180	984	276	196
4	62	78				-	86	236	1,410	922	276	185
5	64	95				-	88	247	1,650	855	284	179
6	65	90				-	80	284	1,840	756	280	169
7	64	87				-	74	312	2,010	798	276	210
8	63	86				-	81	368	2,140	777	284	292
9	63	82				-	75	442	2,260	784	284	236
10	64	82				-	73	559	2,310	826	273	210
11	65	80				-	72	661	2,380	819	284	196
12	65	81				-	73	715	2,460	763	280	190
13	65	78				-	78	694	2,460	749	250	182
14	65	77				-	93	681	2,570	708	226	169
15	65	78				-	124	629	2,560	674	217	161
16	65	77				-	142	708	2,530	610	223	156
17	63	73				-	146	715	1,990	578	230	146
18	62	73				69	137	674	1,500	572	226	132
19	62	72				64	154	655	1,570	540	207	132
20	61	69				58	199	681	1,700	527	193	115
21	57	70				63	280	623	1,820	515	188	92
22	54	72				60	344	812	1,700	472	199	95
23	53	76				58	316	1,010	1,640	448	190	102
24	53	74				54	243	1,240	1,690	407	202	102
25	52	72				50	220	1,360	1,450	385	304	115
26	51	72				44	204	1,470	1,300	354	265	164
27	51	70				48	196	1,690	1,300	312	254	202
28	52	74				52	247	1,720	1,230	304	240	177
29	52	73				51	316	1,470	1,070	296	250	166
30	50	78				56	396	1,420	1,080	280	220	161
31	53	-				65	-	1,410	-	312	236	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,838	65	50	59.2	3,650
November	2,280	95	62	76.0	4,520
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 18-31	792	69	44	56.6	1,570
April	4,759	396	70	159	9,440
May	24,340	1,720	236	785	48,280
June	52,960	2,570	1,050	1,765	105,000
July	19,361	1,040	280	624	38,380
August	7,685	304	188	248	15,240
September	5,092	292	92	170	10,100
Water year					

Lake Fork at Lake City, Colo.

Location.- Water-stage recorder, lat. 38°1', long. 107°19', in sec. 34, T. 44 N., R. 4 W., at Lake City, just above Wade Gulch.

Drainage area.- 123 square miles.

Records available.- October 1931 to September 1935. April 1918 to September 1924, December 1928 to July 1930, station maintained 600 feet downstream below Wade Gulch.

Average discharge.- 10 years (1918-24, 1931-35), 120 second-feet.

Extremes.- Maximum discharge during year, 1,120 second-feet June 15 (gage height, 3.65 feet); minimum occurred during period of no record in winter.
1918-24, 1928-30, 1931-35: Maximum discharge, 1,560 second-feet June 12, 15, 1921; minimum, 5.7 second-feet Mar. 10, 1932 (discharge measurement).

Remarks.- Records good except those estimated for Nov. 6 to Apr. 30 on basis of five discharge measurements and temperature records. Natural regulation by Lake San Cristobal, 4 miles upstream.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	20						30	211	397	146	79
2	40	18						31	188	401	132	76
3	39	18						32	222	382	117	71
4	39	19						33	321	345	112	67
5	39	21						33	404	304	117	64
6	39							34	513	285	121	60
7	38		*20		*21			34	587	278	115	60
8	37	22						34	672	294	112	64
9	37							35	760	304	108	60
10	35			*13		*14		36	780	382	112	59
11	33							39	914	342	106	57
12	32							100	914	318	100	52
13	32	24						112	860	288	92	50
14	33							82	986	269	83	48
15	30							78	1,040	239	76	46
16	28							75	936	222	79	45
17	28							73	634	204	80	43
18	27	20						82	578	198	78	41
19	27					*14		85	624	211	72	40
20	25							85	701	245	67	38
21	24							83	720	251	62	38
22	23							82	682	245	63	36
23	23	18						86	629	214	67	35
24	23							123	648	183	69	35
25	22							164	556	171	68	37
26	23							193	505	155	66	39
27	23							225	517	138	68	40
28	22	17						257	440	136	79	42
29	22							251	385	155	85	43
30	21							254	412	169	85	43
31	20	-						251	-	160	83	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	924	40	20	29.8	1,830
November	601	-	-	20.0	1,190
December	558	-	-	18	1,110
Calendar year 1934	22,349	440	-	61.2	44,330
January	527	-	-	17	1,050
February	448	-	-	16	889
March	496	-	-	16	984
April	750	-	-	25	1,490
May	3,112	257	30	100	6,170
June	18,339	1,040	188	611	36,370
July	7,885	401	136	254	15,640
August	2,820	146	62	91.0	5,590
September	1,508	79	35	50.3	2,990
Water year 1934-35	37,968	1,040	-	104	75,300

*Discharge measurement.

Henson Creek at Lake City, Colo.

Location.- Water-stage recorder, lat. 38°1', long. 107°20', in sec. 33, T. 44 N., R. 4 W., 1 mile southwest of Lake City.

Drainage area.- 82 square miles.

Records available.- December 1928 to July 1930, October 1931 to September 1935. April 1918 to September 1919 station maintained 1 mile downstream.

Extremes.- Maximum discharge during year, 995 second-feet June 14 (gage height, 4.15 feet); minimum occurred during winter.
1918-19, 1929-30, 1931-35: Maximum discharge, 2,510 second-feet July 25, 1929; minimum, 9.6 second-feet Dec. 22, 1928.

Remarks.- Records good except those for period Nov. 3 to Apr. 30, which are fair and were estimated on basis of five discharge measurements and temperature records.

Rating table, June 6 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 6-13)

0.6	22	2.2	326
.8	40	2.4	386
1.0	65	2.6	448
1.2	96	2.8	512
1.4	132	3.0	580
1.6	172	3.2	648
1.8	218	3.4	720
2.0	270	3.6	792

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	25						36	179	332	117	74
2	39	27						34	187	326	104	68
3	39							34	270	306	98	64
4	37	25						34	356	281	98	61
5	36							34	405	257	98	57
6	35				*12			38	438	244	91	60
7	35		*15					40	464	252	96	74
8	35	28						41	509	244	104	71
9	34							41	611	262	111	64
10	34					*17		53	666	265	121	58
11	34			*14				57	702	254	106	56
12	34							69	695	244	93	50
13	34	30						69	731	223	85	47
14	34							68	796	213	77	46
15	33							67	724	196	77	47
16	30							78	590	183	66	42
17	31							82	448	174	80	40
18	31	25						89	483	164	74	38
19	31							77	522	174	66	37
20	31					*15		77	566	179	62	36
21	31							79	577	168	64	36
22	31							96	509	166	64	36
23	31	22						132	532	154	76	35
24	30							170	480	138	77	36
25	30							201	410	130	77	46
26	30							231	410	122	74	53
27	30							260	380	106	83	60
28	29	20						249	304	115	91	61
29	29							236	326	121	76	58
30	26							260	338	121	77	56
31	23	-						239	-	121	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,008	41	23	32.5	2,000
November	752	-	-	25.1	1,490
December	527	-	-	17	1,050
Calendar year 1934	23,113	451	-	63.3	45,840
January	434	-	-	14	861
February	364	-	-	13	722
March	527	-	-	17	1,050
April	660	-	-	22	1,310
May	3,271	260	34	106	6,490
June	14,608	796	179	487	28,970
July	6,235	332	106	201	12,370
August	2,679	121	62	86.4	5,310
September	1,567	74	35	52.2	3,110
Water year 1934-35	32,632	796	-	89.4	64,730

*Discharge measurement.

North Fork of Gunnison River near Somerset, Colo.

Location.- Water-stage recorder, lat. 38°56', long. 107°26', in sec. 10, T. 13 S., R. 90 W., 2 miles east of Somerset.

Drainage area.- 521 square miles.

Records available.- March 1934 to September 1935.

Extremes.- Maximum discharge during year, 3,120 second-feet June 13 (gage height, 4.67 feet); minimum occurred during winter.
1934-35: Maximum discharge, that of June 13, 1935; minimum mean daily, 28 second-feet Sept. 19, 1934.

Remarks.- Records good. No record Dec. 1 to Mar. 20. Diversions for irrigation above station.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1-7 and Apr. 11-15)

Table for Oct. 1 to Apr. 15

0.6	33	1.4	197
.8	62	1.6	265
1.0	98	1.8	350
1.2	141	2.0	458

Table for Apr. 16 to Sept. 30

0.8	48	1.8	332	2.8	970
1.0	78	2.0	432	3.0	1,160
1.2	115	2.2	542	3.5	1,680
1.4	170	2.4	664	4.0	2,270
1.6	244	2.6	800	4.5	2,900

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	53				-	170	744	1,860	872	152	161
2	52	72				-	194	690	1,840	816	138	120
3	53	54				-	227	658	2,040	808	130	109
4	52	59				-	207	602	2,270	723	118	97
5	53	58				-	210	614	2,410	658	113	92
6	54	56				-	179	737	2,580	590	101	92
7	58	58				-	149	765	2,650	584	103	128
8	54	56				-	204	1,080	2,890	584	115	198
9	52	56				-	210	1,310	2,670	578	138	155
10	52	54				-	164	1,520	2,810	542	113	128
11	52	52				-	139	1.690	2,820	497	130	113
12	52	50				-	164	1,800	2,770	459	155	103
13	52	52				-	220	1,930	2,720	448	140	95
14	50	50				-	314	1,760	2,760	401	138	88
15	47	50				-	414	1,550	2,740	356	115	88
16	48	50				-	536	1,620	2,380	323	132	88
17	47	56				-	548	1,650	1,850	291	128	86
18	47	60				-	454	1,680	1,670	295	120	83
19	50	60				-	459	1,470	1,750	291	109	81
20	53	56				-	621	1,440	1,860	318	97	76
21	50	56				100	832	1,470	1,870	282	97	75
22	47	54				115	979	1,690	1,700	269	105	75
23	50	52				106	856	1,970	1,620	248	115	78
24	50	54				106	765	2,340	1,500	217	111	72
25	48	41				98	602	2,520	1,290	194	158	95
26	48	50				110	548	2,650	1,170	188	180	125
27	46	59				130	548	2,780	1,170	167	135	205
28	44	83				117	627	2,650	1,040	167	118	158
29	44	70				151	710	2,380	925	149	115	143
30	46	65				162	824	2,310	934	149	113	138
31	46	-				185	-	2,170	-	167	132	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,549	58	44	50.0	3,070
November	1,696	83	41	56.5	3,360
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 21-31	1,380	185	98	125	2,740
April	13,074	979	139	436	25,930
May	50,240	2,780	602	1,621	99,650
June	60,359	2,820	925	2,012	119,700
July	12,631	872	149	407	25,050
August	3,864	180	97	125	7,660
September	3,345	205	72	112	6,630
Water year					

East Muddy Creek near Ragged Mountain, Colo.

Location.- Water-stage recorder, lat. 39°6', long. 107°24', in sec. 13, T. 11 S., R. 90 W., 250 yards above mouth of Drift Creek and 1¼ miles below Ragged Mountain.

Drainage area.- 80 square miles.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 612 second-feet May 27 (gage height, 2.08 feet); minimum mean daily discharge, 3.6 second-feet July 28-29.

Remarks.- Records good except those estimated for July 11-26, Sept. 2-30, which are fair. Diversions for irrigation above station.

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

0.3	2.4	1.2	93
.4	4.8	1.3	133
.5	8.0	1.4	188
.6	15.6	1.5	244
.7	24	1.6	306
.8	34	1.7	368
.9	45	1.8	432
1.0	57	1.9	498
1.1	72	2.0	566

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	337	44	5.8	22
2								-	356	40	5.1	10
3								-	387	35	4.3	6
4								-	419	32	4.3	5
5								-	445	27	4.3	5
6								-	445	25	4.6	5
7								-	432	23	5.4	5
8								-	406	21	5.8	7
9								-	381	19	6.1	9
10								-	387	17	5.4	12
11								-	368	17	4.6	8
12								-	325	15	5.8	5
13								-	306	13	5.1	5
14								-	318	11	5.4	5
15								-	294	10	4.8	5
16								-	238	12	5.1	5
17								250	177	14	6.4	5
18								275	144	16	6.4	5
19								233	129	18	4.8	5
20								238	125	20	4.6	5
21								281	125	16	4.8	4
22								331	117	14	6.4	4
23								381	101	10	7.7	4
24								445	87	8	7.7	6
25								485	76	6	55	7
26								485	72	5	63	7
27								518	69	4.3	30	8
28								485	62	3.6	29	10
29								419	56	3.6	24	7
30								432	50	3.8	23	6
31								394	-	6.1	23	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 17-31	5,652	518	233	377	11,210
June	7,234	445	50	241	14,350
July	509.4	44	3.6	16.4	1,010
August	377.7	63	4.3	12.2	749
September	202	22	4	6.7	401
The period					27,720

East Muddy Creek near Bardine, Colo.

Location.- Water-stage recorder, lat. 39°1', long. 107°22', in sec. 17, T. 12 S., R. 89 W., a quarter of a mile below mouth of Spring Creek and 6½ miles above Bardine.

Drainage area.- 136 square miles.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 613 second-feet May 25 (gage height, 1.92 feet); minimum mean daily discharge, 11 second-feet Sept. 3, 6.

Remarks.- Records good except those estimated for period June 2-7, which are fair. Diversions for irrigation above station.

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

0.1	5	0.6	95	1.2	300
.2	13	.7	123	1.4	382
.3	29	.8	154	1.6	468
.4	48	.9	186	1.8	558
.5	70	1.0	222	2.0	650

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	361	82	27	40
2								-	395	80	26	13
3								-	425	78	26	11
4								-	445	70	24	16
5								-	470	61	16	13
6								-	455	59	18	11
7								-	440	57	19	24
8								-	424	52	23	37
9								-	442	50	26	23
10								-	446	48	29	24
11								-	433	46	24	24
12								-	390	42	19	19
13								-	382	42	16	16
14								-	386	35	16	23
15								-	378	31	16	21
16								-	357	31	21	16
17								-	320	33	23	23
18								332	300	35	16	26
19								296	280	35	15	24
20								296	204	40	18	19
21								332	200	44	18	23
22								382	193	42	23	19
23								428	176	38	19	12
24								503	160	29	24	15
25								517	138	26	61	18
26								530	117	24	52	27
27								544	115	27	27	31
28								512	106	26	31	33
29								455	95	23	24	26
30								455	90	21	23	23
31								442	-	31	48	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 18-31	6,024	544	296	430	11,950
June	9,123	470	90	304	18,100
July	1,338	82	21	43.2	2,650
August	768	61	15	24.8	1,520
September	650	40	11	21.7	1,290
The period					35,510

Surface Creek at Cedaredge, Colo.

Location.- Water-stage recorder, lat. 38°52', long. 107°55', in sec. 20, T. 13 S., R. 94 W., at Cedaredge.

Drainage area.- 43 square miles.

Records available.- May 1917 to September 1927, October 1933 to September 1935 in reports of U. S. Geological Survey; October 1917 to September 1935 in reports of State engineer.

Average discharge.- 18 years, 29.1 second-feet.

Extremes.- Maximum discharge during year, 189 second-feet May 25 (gage height, 1.24 feet); practically no flow at times during winter.
1917-35: Maximum discharge, 715 second-feet May 24, 1920 (gage height, 1.95 feet); practically no flow at times during winter.

Remarks.- Records good except those estimated for period Nov. 9 to Mar. 24, which are fair. Estimates made by water commissioner. Flow regulated by numerous reservoirs and cross diversions from adjacent streams. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.0	4.0					2.8	26	82	54	20	20
2	3.7	4.0					2.3	20	90	56	19	29
3	3.4	3.7					1.7	18	92	56	18	32
4	2.8	4.6					1.1	18	108	56	18	31
5	2.6	4.0					1.7	26	100	57	15	31
6	2.6	3.7					1.1	42	96	54	18	13
7	2.3	3.1					2.3	44	84	47	26	18
8	2.3	2.8					5.2	63	81	44	26	30
9	2.3	3.5					4.6	71	82	39	20	32
10	2.0	4				4	4.0	69	98	42	13	30
11	1.7						3.7	69	108	38	8.2	28
12	1.7						5.2	71	98	40	5.8	26
13	1.4						7.0	79	92	38	7.6	22
14	1.4						12	64	122	32	8.2	17
15	1.4						20	66	119	32	11	14
16	3.4						24	76	108	32	14	12
17	3.7						19	73	124	26	14	12
18	3.4						12	64	108	23	15	14
19	3.4						17	68	88	23	13	16
20	3.1						29	71	81	31	13	14
21	4.0	5				3.2	35	78	86	31	16	14
22	4.0					2.4	40	79	73	33	19	8.2
23	5.2					2.0	36	79	71	29	17	5.8
24	4.6					1.5	31	92	82	31	14	7.0
25	5.2					1.1	13	102	79	28	12	13
26	3.4					.7	14	102	73	24	22	14
27	3.4					.9	23	105	69	19	23	14
28	4.0					2.6	36	96	71	20	26	15
29	4.6					3.1	50	92	62	28	24	14
30	5.2					3.7	44	94	50	32	25	12
31	4.6	-				4.0	-	84	-	26	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	100.8	5.2	1.4	3.25	200
November	137.4	-	-	4.58	273
December	93	-	-	3	184
Calendar year					
January	93	-	-	3	184
February	84	-	-	3	167
March	105.2	-	-	3.39	209
April	497.7	50	1.1	16.6	987
May	2,101	105	18	67.8	4,170
June	2,677	124	50	89.2	5,310
July	1,121	57	19	36.2	2,220
August	522.8	26	5.8	16.9	1,040
September	558.0	32	5.8	18.6	1,110
Water year 1934-35	8,090.9	124	-	22.2	16,050

Uncompahgre River at Colona, Colo.

Location.- Water-stage recorder, lat. 38°19'50", long. 107°46'40", in NW¼ sec. 17, T. 47 N., R. 8 W., a quarter of a mile east of Colona.

Drainage area.- 437 square miles.

Records available.- March to September 1935. April 1917 to November 1934 water-stage recorder 3 miles upstream; records fairly comparable.

Extremes.- Maximum discharge during year, 1,750 second-feet June 14 (gage height, 3.67 feet); minimum probably occurred during period of no record.
1917-35: Maximum discharge, 4,080 second-feet June 13, 14, 1921; minimum discharge, 16 second-feet Sept. 3, 1918.

Remarks.- Records fair. No record Dec. 1 to Mar. 11. Records of daily discharge for October and November furnished by the Uncompahgre Valley Water Users' Association for station 3 miles upstream. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	77	49				-	91	115	340	841	388	282
2	77	58				-	98	109	295	828	320	256
3	75	54				-	96	109	413	802	282	226
4	73	51				-	91	96	591	750	296	206
5	70	50				-	89	89	704	680	316	184
6	68	54				-	86	104	828	610	269	169
7	64	58				-	71	93	741	591	247	269
8	62	56				-	75	93	787	585	292	251
9	67	54				-	73	96	975	603	311	206
10	67	54				-	67	117	1,130	622	340	187
11	68	54				-	66	142	1,200	622	282	176
12	75	58				66	75	149	1,280	654	234	166
13	75	58				82	69	164	1,270	591	198	152
14	75	58				109	112	149	1,590	560	176	143
15	75	59				117	117	156	1,480	535	180	136
16	77	60				91	127	168	1,400	498	238	140
17	77	68				91	127	164	999	456	242	133
18	70	64				75	109	242	992	438	222	119
19	68	62				71	96	485	1,130	554	191	108
20	68	64				64	106	354	1,220	535	176	96
21	62	73				73	93	313	1,360	585	169	89
22	59	71				82	93	349	1,340	548	173	87
23	56	71				84	93	418	1,280	444	187	82
24	51	75				84	93	456	1,300	399	187	75
25	52	77				82	104	500	1,090	346	210	140
26	51	79				82	138	495	1,040	311	230	156
27	50	79				86	160	490	978	278	356	234
28	47	79				80	184	409	815	292	372	194
29	47	79				80	145	423	789	330	306	173
30	46	79				86	127	476	848	346	316	166
31	46	-				91	-	476	-	382	282	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,995	77	46	64.4	3,960
November	1,905	79	49	63.5	3,780
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 12-31	1,676	117	64	83.8	3,320
April	3,111	184	66	104	6,170
May	7,999	500	69	258	15,870
June	30,205	1,590	295	1,007	59,910
July	16,616	841	278	536	32,960
August	7,988	388	169	258	15,840
September	5,001	282	75	167	9,920
Water year					

Kahnah Creek near Whitewater, Colo.

Location.- Water-stage recorder, lat. 38°59', long. 108°14', in sec. 34, T. 12 S., R. 97 W., 17 miles east of Whitewater and a quarter of a mile below Grand Junction water-supply intake.

Drainage area.- 55 square miles.

Records available.- October 1917 to September 1921, October 1933 to September 1935 in reports of U. S. Geological Survey; October 1917 to September 1921, August 1922 to September 1935 in reports of State engineer.

Average discharge (combined flow).- 17 years, 42.3 second-feet.

Extremes (combined flow).- Maximum discharge during year, 1,300 second-feet June 6; minimum probably occurred during winter.
1917-21, 1922-35: Maximum discharge, 1,630 second-feet June 6, 1921 (gage height, 4.5 feet); minimum daily discharge, 4.3 second-feet Feb. 26, 1920.

Remarks.- Records good except those for estimated period Nov. 26 to Mar. 18, which are fair. Diversion by Grand Junction pipe line added to monthly table to give total flow of stream. Combined flow records good. Regulation by a few small reservoirs above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.0	1.4					2.4	10	159	30	21	19
2	1.0	1.2					1.3	8.1	218	28	23	13
3	1.1	1.7				2.5	2.0	8.1	260	29	23	13
4	1.0	2.1					1.9	8.8	337	26	23	13
5	.9	1.8					1.8	9.7	415	22	23	15
6	1.0	2.1					.9	11	494	23	19	18
7	1.1	2.0					.9	12	534	21	20	22
8	1.2	1.9				3.0	.9	14	565	21	22	22
9	1.0	1.8					3.1	17	514	18	24	17
10	1.0	1.6					1.8	18	480	18	25	12
11	1.0	1.4					1.6	20	465	18	19	10
12	1.4	1.6					2.1	21	406	25	14	9.7
13	1.7	1.6				4.0	4.2	26	465	32	13	8.5
14	1.4	1.6					6.9	26	394	27	12	7.5
15	1.4	1.4					9.1	20	333	23	16	5.3
16	1.8	1.8				4.5	9.4	19	292	23	24	3.4
17	1.3	2.4				5.0	9.7	20	206	40	27	2.1
18	1.2	2.0				5.5	6.7	32	179	43	28	1.8
19	1.6	2.1				6.1	7.2	36	159	45	26	3.4
20	2.1	2.9				5.5	11	29	145	50	27	2.1
21	1.6	2.4				6.1	12	24	124	46	34	2.4
22	1.4	1.7				6.1	12	30	102	43	33	2.0
23	1.3	2.0				5.6	11	37	92	42	30	1.9
24	1.2	3.4				3.7	10	45	70	41	26	2.4
25	1.9	2.6				1.9	8.1	56	48	37	24	5.0
26	1.3	2.4				2.6	7.2	78	50	37	18	6.1
27	1.1	1.8				3.1	10	116	45	32	18	7.3
28	1.3	2.0				2.6	11	137	40	32	14	6.4
29	1.2	2.0				1.9	11	129	37	24	14	5.0
30	1.0	2.0				2.6	11	134	32	23	18	4.2
31	1.0	-				2.6	-	145	-	22	16	-

Month	Observed					Grand Junction pipe line (acre-feet)	Total (acre-feet)
	Second-foot-days	Discharge in second-feet			Run-off in acre-feet		
		Maximum	Minimum	Mean			
October	39.5	2.1	0.9	1.27	78	388	466
November	58.7	3.4	1.2	1.96	116	352	468
December	62	-	-	2	123	321	444
Calendar year 1934	3,644.2	159	-	9.98	7,220	5,030	12,250
January	62	-	-	2	123	320	443
February	70	-	-	2.5	139	289	428
March	112.8	6.1	-	3.64	224	282	506
April	188.2	12	.9	6.27	373	405	778
May	1,296.7	145	8.1	41.8	2,570	508	3,080
June	7,660	565	32	255	15,190	573	15,760
July	941	50	18	30.4	1,870	497	2,370
August	674	34	12	21.7	1,340	517	1,860
September	261.0	22	1.8	8.70	518	488	1,010
Water year 1934-35	11,425.9	565	-	31.3	22,660	4,940	27,610

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Dolores River at Dolores, Colo.

Location.- Water-stage recorder, lat. 37°28', long. 108°30', in sec. 9, T. 37 N., R. 15 W., in Dolores, a quarter of a mile above Lost Canyon Creek. Prior to Oct. 1, 1934, water-stage recorder 250 feet downstream.

Drainage area.- 508 square miles.

Records available.- June 1895 to October 1903, August 1910 to December 1912, October 1933 to September 1935 in reports of U. S. Geological Survey; June 1895 to October 1903, August 1910 to December 1912, April 1922 to September 1935 in reports of State engineer. Prior to Dec. 6, 1912, station maintained just below mouth of Lost Canyon Creek.

Average discharge.- 14 years (1921-35), 482 second-feet.

Extremes.- Maximum discharge during year, 3,650 second-feet June 15 (gage height, 6.15 feet); minimum occurred during period of ice effect.
1895-1903, 1910-12, 1922-35: Maximum discharge, 10,000 second-feet Oct. 5, 1911 (gage height, 10.2 feet, former datum); minimum daily discharge, 8 second-feet Aug. 18, 1896.

Remarks.- Records excellent except those estimated for Nov. 24 to Mar. 21, on the basis of one discharge measurement and temperature records. Diversions for irrigation above station.

Rating table, water year 1934-35 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1-4, June 17 to Sept. 30)

1.4	24	2.4	196	3.4	596	5.0	2,000
1.6	40	2.6	250	3.6	728	5.5	2,660
1.8	65	2.8	315	3.8	880	6.0	3,410
2.0	103	3.0	392	4.0	1,040		
2.2	147	3.2	484	4.5	1,460		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	31	32			33	262	715	1,510	1,120	262	322
2	40	31				33	295	596	1,500	1,040	230	288
3	39	30				34	334	548	1,880	984	201	242
4	37	30				34	352	479	2,150	920	236	214
5	36	30				34	322	450	2,350	816	250	199
6	35	30				31	298	560	2,620	728	219	178
7	34	30				31	290	609	2,740	702	199	191
8	34	30				33	281	808	2,740	662	209	308
9	34	30	*32			33	291	952	2,700	603	212	219
10	34	30				33	209	1,020	2,580	682	278	201
11	35	30				33	186	1,160	2,820	603	225	176
12	37	30				35	244	1,240	2,730	548	247	157
13	39	30				40	352	1,330	2,490	526	199	145
14	38	30				55	536	1,160	3,000	474	169	136
15	36	30				65	675	992	3,190	500	157	126
16	36	30				75	742	964	3,020	405	222	120
17	35	30				85	786	968	2,170	380	242	109
18	35	30				85	590	968	2,150	460	236	101
19	35	31				85	554	904	2,260	515	196	97
20	37	32				90	695	960	2,530	515	169	93
21	36	32				90	816	920	2,620	441	157	93
22	35	32				93	880	992	2,450	405	164	97
23	36	32				107	832	1,150	2,100	341	194	101
24	34	32				85	636	1,310	2,130	295	376	103
25	32	32				76	484	1,540	1,800	266	405	178
26	32	32				81	510	1,720	1,640	233	372	230
27	31	32				105	735	1,690	1,580	219	388	254
28	31	32				120	936	1,720	1,500	239	460	266
29	31	32				149	952	1.800	1,270	253	410	230
30	31	32				201	872	1,810	1,220	256	372	209
31	31	-				262	-	1,790	-	284	356	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,088	42	31	35.1	2,160
November	925	32	30	30.8	1,830
December	992	-	-	32	1,970
Calendar year 1934	47,539	931	-	130	94,350
January	899	-	-	29	1,780
February	868	-	-	31	1,720
March	2,346	262	31	75.7	4,650
April	15,947	952	186	532	31,630
May	33,845	1,810	450	1,092	67,130
June	67,440	3,190	1,220	2,248	133,800
July	16,415	1,120	219	530	32,560
August	8,012	460	157	258	15,890
September	5,413	322	93	180	10,740
Water year 1934-35	154,190	3,190	-	422	305,900

*Discharge measurement.

Green River at Warren Bridge, near Daniel, Wyo.

Location.- Water-stage recorder, lat. 43°, long. 110°7', in sec. 8, T. 35 N., R. 111 W., at Warren Bridge, 12 miles north of Daniel.

Drainage area.- 468 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 3,120 second-feet June 15 (gage height, 5.03 feet); minimum occurred during winter.
1931-35: Maximum discharge, 3,260 second-feet June 26, 1932 (gage height, 5.08 feet); minimum occurred during winter.

Remarks.- Records excellent June 10 to Sept. 30; fair for remainder of year. Discharge estimated Oct. 27 to Nov. 2, Nov. 24, 25, Nov. 27 to Apr. 18, May 16-21, May 26 to June 3, June 5, 7-10. Estimates for winter based on two discharge measurements and temperature records. Natural regulation by lakes in Green River Basin.

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

1.2	82	3.0	900
1.4	120	3.2	1,090
1.6	16e	3.4	1,300
1.8	222	3.6	1,520
2.0	296	3.8	1,740
2.2	382	4.0	1,960
2.4	480	4.5	2,510
2.6	600	5.0	3,080
2.8	740		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	138	130					130	362	1,400	1,820	680	277
2	133	130					130	375	1,200	1,610	626	277
3	133	120					135	384	1,050	1,500	588	273
4	135	127					135	366	927	1,580	528	262
5	131	138					135	375	800	1,650	486	247
6	131	135					140	324	900	1,520	470	240
7	129	135					150	321	1,200	1,410	445	233
8	127	138					160	325	1,550	1,440	420	233
9	129	138					170	334	1,860	1,480	406	214
10	127	135					160	334	2,150	1,429	387	202
11	127	133		*106			175	338	2,430	1,340	373	189
12	124	131					160	360	2,520	1,270	369	184
13	127	133					185	378	2,740	1,180	373	181
14	149	133					190	392	2,970	1,120	360	178
15	156	133					190	364	3,090	1,110	360	178
16	154	129					195	370	2,960	1,120	369	178
17	152	131					200	370	2,600	1,140	373	176
18	149	135					221	365	2,120	1,140	382	171
19	149	138					366	370	1,820	1,070	396	168
20	154	120					520	400	1,860	1,000	387	166
21	152	118					457	450	1,960	918	360	163
22	147	140					324	688	2,000	852	338	161
23	147	122			*96		292	788	2,080	612	330	166
24	147	115					358	1,050	2,270	772	334	176
25	156	105					375	1,160	2,320	710	338	181
26	164	98					389	1,350	2,090	652	330	186
27	160	99					403	1,550	1,710	626	317	191
28	155	100					366	1,700	1,680	626	309	186
29	150	100					284	1,650	1,750	632	296	178
30	145	101					349	1,760	1,850	740	292	173
31	140	-					-	1,600	-	772	285	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,417	164	124	142	8,760
November	3,740	140	98	125	7,420
December	3,410	-	-	110	6,760
Calendar year 1934	106,953	1,060	-	293	212,100
January	3,100	-	-	100	6,150
February	2,800	-	-	108	5,550
March	3,410	-	-	110	6,760
April	7,484	520	130	249	14,840
May	21,143	1,850	321	682	41,940
June	57,677	3,090	800	1,929	114,800
July	35,032	1,820	626	1,130	69,480
August	12,307	680	265	397	24,410
September	5,988	277	161	200	11,860
Water year 1934-35	160,706	3,090	-	440	318,800

*Discharge measurement.

Green River at Green River, Wyo.

Location.- Chain gage, lat. 41°32', long. 109°29', in sec. 22, T. 18 N., R. 107 W., 100 feet below railroad bridge at Green River. Zero of gage is 6,071.06 feet above mean sea level.

Drainage area.- 7,670 square miles.

Records available.- May 1895 to October 1906, March 1915 to September 1935.

Average discharge.- 30 years (1895-99, 1900-1906, 1915-35), 1,895 second-feet.

Extremes.- Maximum discharge recorded during year, 12,000 second-feet June 17 (gage height, 5.30 feet); minimum discharge recorded, 211 second-feet Nov. 24.
1895-1906, 1915-35: Maximum discharge recorded, 22,200 second-feet June 19, 1918 (gage height, 12.3 feet); minimum discharge recorded, 160 second-feet Nov. 17, 1898.

Remarks.- Records fair. Discharge estimated Nov. 25 to Feb. 28, Mar. 14-21 on basis of two discharge measurements and temperature records. Diversions for irrigation above station. Gage-height record collected in cooperation with the U. S. Weather Bureau.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	260	306				362	885	981	3,260	4,240	1,130	525
2	280	325				325	1,030	885	3,090	4,210	1,210	500
3	292	325	275	290	320	306	855	932	2,720	3,940	1,280	500
4	280	318				332	885	948	2,290	3,770	1,220	480
5	273	306				318	751	870	2,120	3,370	1,080	490
6	286	306				440	709	825	2,120	3,230	1,030	440
7	312	306				378	667	765	2,440	3,070	1,030	450
8	318	306	280		325	385	709	795	3,340	2,900	948	470
9	299	325		305		480	737	855	3,500	2,590	915	460
10	292	332				400	780	825	4,780	2,340	885	490
11	273	325				450	840	765	5,910	2,120	825	480
12	280	325		300	320	370	751	737	7,300	2,030	795	440
13	292	318	290			400	751	765	8,550	1,940	765	440
14	348	332		290	324	450	885	998	9,350	1,780	751	400
15	385	332				470	932	915	9,920	1,650	723	410
16	340	318				670	1,210	765	11,000	1,550	695	378
17	350	318			315	800	1,450	681	11,900	1,920	695	370
18	380	318	300	280		650	1,490	625	10,900	1,530	840	355
19	360	318				690	1,240	723	9,180	1,510	780	362
20	378	332				600	1,050	840	7,230	1,510	723	362
21	348	340				575	1,010	1,050	6,470	1,530	723	340
22	332	355				525	1,080	885	6,240	1,390	709	325
23	332	286	305	285	345	538	1,630	795	6,270	1,390	737	340
24	306	217				410	1,490	825	6,110	1,360	948	332
25	292	220				440	1,220	981	6,400	1,340	681	325
26	292					550	1,030	1,490	6,610	1,240	639	340
27	292				325	500	870	2,170	6,210	1,170	639	362
28	312	245		300		512	870	2,290	5,460	1,100	612	355
29	306		305		-	981	1,030	3,540	4,840	1,030	575	355
30	318				-	1,190	1,080	3,910	4,450	998	550	355
31	332	-			-	1,010	-	3,460	-	998	525	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,740	385	260	314	19,320
November	9,034	355	217	301	17,920
December	9,080	-	-	293	18,010
Calendar year 1934	179,258	1,850	217	491	355,600
January	9,075	-	-	293	18,000
February	9,099	-	-	325	18,050
March	16,507	1,190	306	532	32,740
April	29,917	1,630	667	997	59,340
May	37,891	3,910	625	1,222	75,150
June	180,260	11,900	2,120	6,009	357,500
July	64,746	4,240	998	2,089	128,400
August	25,658	1,280	525	828	50,890
September	12,231	525	325	408	24,260
Water year 1934-35	413,238	11,900	217	1,132	819,600

Green River near Linwood, Utah

Location.- Water-stage recorder, lat. 40°58', long. 109°35', in SW¼ sec. 29, T. 3 N., R. 21 E., 2 miles south of Wyoming-Utah line and 5 miles southeast of Linwood. Henrys Fork enters a quarter of a mile downstream. Gage datum lowered 0.77 foot Nov. 14, 1933. Zero of gage is 5,844.64 feet above mean sea level.

Drainage area.- 14,300 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge during year, 12,600 second-feet June 17 (gage height, 9.11 feet); minimum discharge, 196 second-feet Nov. 27 (gage height, -0.10 foot).
1928-35: Maximum discharge, 13,400 second-feet Aug. 15, 1930 (gage height, 7.45 feet at former location); minimum, that of Nov. 27, 1934.

Remarks.- Records good except those estimated for period Nov. 28 to Mar. 17, which are fair. Estimates based on two discharge measurements and temperature records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	270	308	292	295	320	351	768	1,390	4,470	4,440	1,090	592
2	281	324	292	295	327	363	800	1,350	4,280	4,200	1,090	549
3	287	324	292	301	330	373	887	1,260	3,990	4,160	1,150	527
4	287	317	290	304	337	373	869	1,310	3,600	4,010	1,240	516
5	287	314	270	308	337	351	869	1,290	3,380	3,820	1,230	495
6	278	311	284	311	341	369	869	1,230	3,170	3,550	1,160	475
7	276	311	295	314	344	354	792	1,130	3,140	3,380	1,050	450
8	281	311	292	320	338	399	730	1,050	3,590	3,250	1,040	450
9	284	311	281	330	338	403	760	1,020	4,560	2,990	986	455
10	281	317	286	330	351	403	760	1,110	5,380	2,730	914	465
11	287	324	292	330	351	382	745	1,130	6,520	2,520	878	450
12	284	324	298	314	320	407	752	1,080	8,510	2,250	826	441
13	292	327	301	304	311	455	745	1,080	9,810	2,140	800	426
14	314	327	314	292	311	505	745	1,170	10,600	2,070	792	412
15	334	324	317	284	319	560	752	1,330	11,200	1,920	752	399
16	412	327	311	287	314	562	809	1,290	11,800	1,780	738	382
17	327	330	304	290	324	760	1,000	1,140	12,400	1,720	869	362
18	330	330	308	292	327	995	1,210	1,030	12,200	1,830	843	348
19	373	340	314	290	334	730	1,400	1,100	10,500	1,660	941	348
20	365	340	329	278	344	784	1,340	1,410	9,020	1,650	826	351
21	348	337	320	287	348	692	1,210	1,440	7,370	1,620	834	344
22	330	348	320	292	354	670	1,230	1,680	6,590	1,580	809	337
23	330	348	314	295	358	670	1,390	1,560	6,520	1,530	792	330
24	324	324	304	298	362	648	1,630	1,460	6,450	1,480	800	327
25	314	298	298	298	348	618	1,760	1,300	6,370	1,460	950	327
26	304	287	317	301	334	700	1,800	1,410	6,500	1,430	1,330	320
27	298	232	320	308	337	618	1,620	1,690	6,390	1,360	1,050	317
28	298	251	320	311	340	566	1,410	2,140	5,980	1,310	860	324
29	301	246	317	314	-	527	1,270	3,080	5,350	1,240	760	337
30	304	258	304	314	-	678	1,300	4,410	4,940	1,170	685	337
31	304	-	298	317	-	784	-	4,750	-	1,120	632	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,585	412	270	309	19,010
November	9,370	348	232	312	18,590
December	9,394	329	270	303	18,630
Calendar year 1934	185,995	1,800	200	510	368,900
January	9,404	330	278	303	18,650
February	9,399	362	311	336	18,640
March	17,050	995	351	550	33,820
April	32,222	1,800	730	1,074	63,910
May	48,820	4,750	1,020	1,575	96,830
June	204,580	12,400	3,140	6,819	405,800
July	71,370	4,440	1,120	2,302	141,600
August	28,717	1,330	632	926	56,960
September	12,193	592	317	406	24,180
Water year 1934-35	462,104	12,400	232	1,266	916,600

Green River at Green River, Utah

Location.- Water-stage recorder, lat. 39°, long. 110°9', in NW¼SW¼ sec. 15, T. 21 S., R. 16 E., 1 mile southeast of Green River and 22 miles above San Rafael River.

Drainage area.- 40,600 square miles.

Records available.- October 1894 to October 1899, February 1905 to December 1911, June 1924 to September 1935. December 1910 to June 1924 comparable records at Little Valley, 7 miles downstream.

Average discharge.- 35 years, 7,297 second-feet.

Extremes.- Maximum discharge during year, 31,400 second-feet June 16 (gage height, 11.8 feet); minimum discharge, 260 second-feet Dec. 5 (gage height, 4.08 feet).
1894-99, 1905-35: Maximum discharge, 68,800 second-feet May 29, 1897 (gage height, about 16.5 feet, present datum); minimum, 255 second-feet Nov. 26, 1931 (gage height, 4.17 feet). Minimum gage height, 4.08 feet Aug. 1 and Dec. 5, 1934.

Remarks.- Records excellent. Discharge estimated Jan. 20-25, when stage-discharge relation was affected by ice. Diversions for irrigation above station. Gage-height record collected in cooperation with the U. S. Weather Bureau.

Rating table, water year 1934-35 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 17 to Sept. 30)

4.0	220	5.2	1,230	7.0	5,180	10.0	20,200
4.2	320	5.4	1,520	7.5	7,080	10.5	23,200
4.4	450	5.6	1,830	8.0	9,280	11.0	26,200
4.6	600	5.8	2,180	8.5	11,700	11.5	29,400
4.8	770	6.0	2,580	9.0	14,300	12.0	32,700
5.0	980	6.5	3,750	9.5	17,200		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	576	840	947	1,220	1,310	1,180	1,970	4,560	19,600	12,700	2,200	2,110
2	584	830	850	1,230	1,330	1,260	1,970	4,420	20,200	11,700	2,140	1,770
3	592	820	584	1,260	1,340	1,500	1,920	4,420	18,400	11,000	2,090	1,540
4	600	810	457	1,190	1,340	1,750	1,900	4,420	17,800	9,970	1,970	1,400
5	616	810	380	1,050	1,340	1,830	2,000	4,560	16,600	9,280	1,900	1,310
6	632	830	560	969	1,370	1,850	2,220	4,710	15,400	8,600	1,860	1,240
7	632	850	743	947	1,400	1,900	2,280	4,560	14,300	8,160	1,830	1,220
8	632	860	840	936	1,420	2,000	2,330	4,140	15,400	7,720	1,900	1,200
9	640	850	840	947	1,420	1,860	2,580	3,880	16,600	6,870	2,040	1,220
10	656	860	800	1,040	1,460	1,750	2,800	3,880	19,000	6,260	1,980	1,850
11	680	870	820	1,100	1,600	1,640	2,920	3,880	22,000	5,700	1,880	2,070
12	680	881	860	1,180	1,640	1,640	2,690	4,140	24,400	5,520	1,770	1,480
13	680	892	743	1,230	1,730	1,660	2,580	4,420	26,200	5,020	1,660	1,260
14	680	903	707	1,230	1,770	1,550	2,350	4,710	28,800	4,710	1,610	1,500
15	680	892	752	1,300	1,770	1,580	2,240	5,880	30,100	4,420	1,870	1,580
16	698	903	800	1,330	1,600	1,730	2,260	7,080	30,700	4,140	3,580	1,360
17	698	936	860	1,260	1,500	2,020	2,180	8,160	30,700	4,010	2,450	1,230
18	689	958	892	1,230	1,400	2,180	2,110	8,600	30,700	3,750	2,690	1,160
19	725	1,020	903	1,310	1,360	2,310	2,180	8,380	30,100	3,500	2,290	1,100
20	734	1,020	1,040	1,000	1,400	2,410	2,410	7,940	28,100	3,380	2,050	1,060
21	743	1,000	1,190	900	1,460	2,310	2,690	7,940	25,000	3,380	2,110	1,030
22	761	1,000	1,200	925	1,540	2,180	3,140	8,380	22,600	3,260	2,000	1,000
23	800	1,060	1,190	925	1,660	2,160	3,620	8,830	20,200	3,260	1,780	958
24	850	1,050	1,160	950	1,810	2,140	3,620	8,160	19,000	3,030	1,950	947
25	840	1,040	1,230	950	1,810	2,130	3,880	7,940	17,800	2,920	1,970	958
26	840	1,030	1,260	969	1,750	2,200	4,140	8,600	17,200	2,690	1,810	903
27	860	1,030	1,270	969	1,480	2,130	4,710	9,970	16,600	2,580	1,780	969
28	870	1,040	1,290	1,110	1,240	1,980	5,180	12,200	15,400	2,540	2,070	947
29	870	1,080	1,240	1,220	-	1,930	5,020	15,400	14,800	2,450	1,850	892
30	860	1,080	1,220	1,300	-	1,970	4,860	17,800	13,500	2,390	1,670	914
31	850	-	1,130	1,300	-	1,950	-	18,400	-	2,290	1,860	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	22,248	870	576	718	44,130
November	28,045	1,080	810	935	55,630
December	28,758	1,290	380	928	57,040
Calendar year 1934	611,845	6,260	380	1,676	1,214,000
January	34,477	1,330	900	1,112	68,380
February	42,250	1,810	1,240	1,509	83,800
March	58,680	2,410	1,180	1,893	116,400
April	86,750	5,180	1,900	2,892	172,100
May	230,360	18,400	3,880	7,431	456,900
June	637,200	30,700	13,500	21,240	1,264,000
July	167,290	12,700	2,290	5,394	331,600
August	62,610	3,580	1,610	2,020	124,200
September	38,178	2,110	892	1,273	75,720
Water year 1934-35	1,436,756	30,700	380	3,936	2,850,000

Horse Creek near Daniel, Wyo.

Location.- Water-stage recorder, lat. 42°56', long. 110°12', in sec. 10, T. 34 N., R. 112 W., 12 miles northwest of Daniel. Zero of gage is 7,348.92 feet above mean sea level.

Drainage area.- 124 square miles.

Records available.- October 1931 to September 1935.

Extremes.- Maximum discharge during year, 1,260 second-feet June 13 (gage height, 2.85 feet); minimum mean daily discharge, 5.1 second-feet several days in July and August. 1932-35: Maximum discharge, that of June 13, 1935; minimum daily discharge, 1.7 second-feet July 16, 19, 1934.

Remarks.- Records good except those estimated, which are fair. Discharge estimated Oct. 13-15, 25-30, Sept. 24-30. Diversions for irrigation above station.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 17-25, and June 14 to July 8)

Table for Oct. 1 to Nov. 8

0.7	6.6
.8	12

Table for Apr. 17 to Sept. 30

0.7	2.2	2.0	518
.8	6.4	2.2	668
1.0	34	2.4	838
1.2	86	2.6	1,020
1.4	168	2.8	1,210
1.6	268	3.0	1,400
1.8	380		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.2	7.7					-	137	188	83	20	12
2	8.2	7.7					-	116	188	77	30	12
3	8.2	11					-	90	218	71	20	12
4	9.3	11					-	86	228	68	12	13
5	9.3	8.8					-	90	320	68	10	13
6	9.8	10					-	109	489	56	6.0	13
7	9.8	9.8					-	77	532	54	5.6	14
8	9.8	9.8					-	68	645	43	5.6	14
9	10	-					-	59	838	30	5.6	13
10	10	-					-	94	865	16	5.1	12
11	10	-					-	101	883	12	5.1	12
12	10	-					-	109	874	12	6.0	10
13	9.8	-					-	86	992	12	13	12
14	9.6	-					-	62	965	10	14	12
15	9.4	-					-	52	812	9.1	17	13
16	9.3	-					-	56	629	9.1	22	12
17	8.8	-					36	80	453	9.1	21	10
18	8.2	-					38	83	[illegible]	12	20	9.1
19	8.2	-					71	74	350	20	20	12
20	8.2	-					109	68	326	21	20	12
21	8.2	-					178	68	315	21	17	12
22	7.7	-					183	109	284	18	18	12
23	7.7	-					146	203	273	14	18	12
24	7.7	-					83	248	268	6.4	17	14
25	7.7	-					74	248	213	5.6	16	13
26	7.7	-					94	310	164	5.1	14	12
27	7.2	-					109	350	128	5.1	14	12
28	7.2	-					137	320	105	5.1	13	12
29	6.8	-					128	243	109	5.1	13	11
30	6.8	-					150	213	94	5.6	13	10
31	7.7	-					-	248	-	13	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	266.5	10	6.8	8.60	529
November 1-8	75.8	11	7.7	9.48	150
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 17-30	1,536	183	36	110	3,050
May	4,257	350	52	137	8,440
June	13,135	992	94	438	26,050
July	796.3	83	5.1	25.7	1,580
August	443.0	30	5.1	14.3	879
September	362.1	14	9.1	12.1	718
Water year					

New Fork near Boulder, Wyo.

Location.- Staff gage, lat. 42°45', long. 109°44', in sec. 9, T. 32 N., R. 108 W. (revised), half a mile southwest of Boulder and an eighth of a mile above Boulder Creek.

Drainage area.- 578 square miles.

Records available.- May 1915 to September 1935.

Average discharge.- 20 years, 400 second-feet.

Extremes.- Maximum discharge observed during year, 3,740 second-feet June 15 (gage height, 6.05 feet); minimum probably occurred during winter.
1915-35: Maximum discharge, 12,300 second-feet June 17, 1918 (gage height, 8.7 feet); minimum, 42 second-feet Dec. 15-17, 1915.

Remarks.- Records good except those estimated for Nov. 25 to Apr. 6, which are fair. Estimates based on two discharge measurements and temperature records. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 7 to May 10)

1.5	48	2.6	292	3.8	1,000	5.0	2,110
1.6	57	2.8	378	4.0	1,150	5.2	2,360
1.8	81	3.0	480	4.2	1,310	5.4	2,630
2.0	114	3.2	595	4.4	1,480	5.6	2,940
2.2	160	3.4	720	4.6	1,670	6.0	3,640
2.4	218	3.6	860	4.8	1,880	6.5	4,640

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	81	78					105	129	776	1,440	458	105
2	81	78					110	129	668	1,370	365	101
3	80	76					116	125	619	1,290	300	98
4	81	76					110	134	577	1,190	321	98
5	77	76					110	132	541	1,170	265	103
6	76	76					105	132	577	1,140	300	107
7	76	76					116	127	720	1,060	288	107
8	76	76					118	110	874	804	284	107
9	78	76					132	101	1,110	790	273	100
10	74	76					138	98	1,720	776	269	96
11	72	77		*91			132	94	2,090	734	258	92
12	73	76					136	96	2,390	694	218	86
13	76	76					163	100	2,660	637	173	82
14	123	77					225	103	3,200	631	165	81
15	76	78					300	103	3,640	637	160	78
16	68	78					360	105	3,600	583	183	78
17	74	78					334	101	3,020	595	181	77
18	78	86					309	109	2,520	631	189	72
19	82	90					277	118	2,330	625	170	73
20	81	82					250	121	2,050	589	158	72
21	78	81					196	123	1,880	577	155	68
22	76	77					170	114	1,900	565	153	71
23	76	78					138	141	1,900	530	146	72
24	76	78					136	225	2,090	502	153	78
25	78	78			*98		136	330	2,090	464	143	78
26	76	77					129	416	1,970	431	136	78
27	78	70					125	720	1,750	402	127	76
28	77	72					129	860	1,570	397	123	76
29	78	74					116	944	1,500	407	116	72
30	76	76					118	895	1,480	475	110	72
31	76	-					-	846	-	437	110	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,428	123	68	78.3	4,820
November	2,323	90	70	77.4	4,610
December	2,635	-	-	85	5,230
Calendar year					
January	2,728	-	-	88	5,410
February	2,800	-	-	100	5,550
March	3,255	-	-	105	6,460
April	5,039	360	105	168	9,990
May	7,881	944	94	254	15,630
June	53,812	3,640	541	1,794	106,700
July	22,573	1,440	397	728	44,770
August	6,450	458	110	208	12,790
September	2,554	107	68	85.1	5,070
Water year 1934-35	114,476	3,640	-	314	227,000

*Discharge measurement.

Pine Creek at Pinedale, Wyo.

Location.- Water-stage recorder, lat. 42°52', long. 109°52', in sec. 33, T. 34 N., R. 109 W. (revised), at Pinedale, 3 miles above mouth. Zero of gage is 7,164.3 feet above mean sea level.

Drainage area.- 128 square miles.

Records available.- May 1915 to September 1935.

Average discharge.- 20 years, 139 second-feet.

Extremes.- Maximum discharge during year, 1,210 second-feet June 15 (gage height, 3.71 feet); minimum mean daily discharge, 6.9 second-feet Sept. 18-20, 22, 23.
1915-35: Maximum discharge, 2,310 second-feet June 17, 1918 (gage height, 5.0 feet); minimum discharge, 2 second-feet Apr. 1-26, May 6-8, 1931.

Remarks.- Records good except those estimated for Oct. 1-8, 17, Nov. 24 to Mar. 24 on basis of two discharge measurements and temperature records. Diversions for irrigation above station. Flow regulated by Fremont Lake.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 25 to Apr. 15)

Table for Oct. 1 to Nov. 23, 1934

0.9	6
1.0	8
1.1	11
1.2	14
1.3	22

Table for Feb. 25 to Sept. 30, 1935

1.0	2.5	2.0	164	3.0	642
1.2	18	2.2	251	3.2	782
1.4	42	2.4	328	3.4	940
1.6	77	2.6	416	3.6	1,115
1.8	126	2.8	520	3.8	1,300

Discharge, in second-feet, water year October 1954 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	13					22	29	230	676	143	22
2	15	13					22	21	223	629	75	19
3	14	13			36	34	24	25	213	597	79	19
4	15	13					25	24	206	616	77	19
5	13	13					25	30	187	597	82	22
6	12	13					25	30	169	566	105	25
7	12	13					24	29	172	451	100	20
8	12	12			34	30	25	27	197	308	95	21
9	12	12					27	26	251	296	93	27
10	12	12					28	30	336	296	91	19
11	12	13		*39			27	24	493	270	88	21
12	12	12					33	20	636	244	48	18
13	12	12				32	30	20	820	244	28	17
14	18	12					32	20	1,060	240	25	15
15	14	12					33	18	1,200	237	28	11
16	14	12			32		27	15	1,190	132	32	7.4
17	14	12					15	16	1,090	226	44	7.4
18	13	12				34	15	17	966	240	45	6.9
19	14	12					24	19	899	226	38	6.9
20	13	12					28	20	891	216	34	6.9
21	13	12					29	21	891	210	37	8.0
22	13	12			30	34	28	24	891	200	36	6.9
23	12	12					28	36	907	190	33	6.9
24	12	14					29	98	932	178	29	7.4
25	11	16			28	27	29	103	891	172	27	7.4
26	11	18			30	25	30	143	850	163	26	7.4
27	12	22			32	28	30	206	753	148	25	7.4
28	12	24			34	34	30	226	739	140	24	7.4
29	12	26			-	27	30	234	732	140	24	8.0
30	12	30			-	25	24	237	717	154	26	6.0
31	13	-			-	24	-	234	-	163	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	401	18	11	12.9	795
November	436	30	12	14.5	865
December	1,271	-	-	41	2,520
Calendar year					
January	1,209	-	-	39	2,400
February	914	-	-	32.6	1,810
March	976	-	-	31.5	1,940
April	798	33	15	26.6	1,580
May	2,022	237	15	65.2	4,010
June	19,732	1,200	169	658	39,140
July	9,165	676	132	296	18,180
August	1,661	143	24	53.6	3,290
September	405.3	27	6.9	13.5	804
Water year 1934-35	38,990.3	1,200	6.9	107	77,330

*Discharge measurement.

North Piney Creek near Mason, Wyo.

Location.- Water-stage recorder, lat. 32°40', long. 110°21', in sec. 19, T. 31 N., R. 113 W., 4 miles northwest of Mason.

Drainage area.- 58 square miles.

Records available.- May 1915 to October 1916, October 1931 to September 1935.

Extremes.- Maximum discharge during year, 403 second-feet June 14 (gage height, 3.56 feet); minimum occurred during winter.
1915-16, 1931-35: Maximum discharge, 613 second-feet June 19, 1916 (gage height, 3.93 feet); minimum probably occurred during winter.

Remarks.- Records excellent except those estimated for periods Oct. 9-15, Nov. 8-11, 21-30, Apr. 1-14, which are fair. No record Dec. 1 to Mar. 31. Small diversions above station.

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

0.9	8	1.8	73	2.8	245
1.0	11	2.0	104	3.0	284
1.2	24	2.2	136	3.2	324
1.4	38	2.4	170	3.4	368
1.6	52	2.6	207	3.5	390

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	11					18	40	96	188	48	31
2	13	12					18	41	91	175	45	30
3	13	10					20	37	82	166	46	29
4	14	12					20	35	85	161	46	28
5	13	12					20	42	99	150	43	27
6	13	12					22	44	131	147	39	27
7	13	13					22	41	161	141	38	28
8	14	12					22	40	211	134	36	28
9	15	12					22	44	256	125	34	27
10	16	11					20	49	280	114	33	24
11	16	11					25	55	288	106	31	23
12	16	11					26	54	308	101	34	22
13	16	11					27	45	361	99	37	21
14	15	11					25	44	383	93	36	21
15	15	11					25	44	379	91	35	23
16	15	11					26	50	344	90	41	22
17	14	12					21	55	290	86	43	21
18	13	12					20	56	276	86	44	20
19	14	13					29	60	280	82	40	20
20	14	14					38	56	290	74	39	20
21	12	14					46	62	296	73	38	20
22	12	14					47	74	286	62	38	20
23	12	13					41	84	286	58	42	22
24	13	12					34	94	292	54	42	33
25	13	11					32	101	264	51	37	28
26	13	11					32	109	234	50	35	23
27	12	10					34	125	222	48	34	23
28	12	10					37	141	222	47	32	22
29	11	11					36	115	220	43	32	21
30	10	12					44	123	209	42	32	20
31	11	-					-	110	-	42	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	416	16	10	13.4	825
November	352	14	10	11.7	698
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	649	47	18	28.3	1,680
May	2,070	141	35	66.8	4,110
June	7,222	383	82	241	14,320
July	2,979	188	42	96.1	5,910
August	1,182	48	31	38.1	2,340
September	724	31	20	24.1	1,440
Water year					

Labarge Creek near Labarge, Wyo.

(Formerly published as Labarge Creek near Tulsa, Wyo.)

Location.- Water-stage recorder, lat. 42°14', long. 110°12', in sec. 18, T. 26 N., R. 112 W. (revised), 2 miles south of Labarge.

Drainage area.- 193 square miles.

Records available.- April 1932 to September 1935.

Extremes.- Maximum discharge during year, 389 second-feet May 28 (gage height, 2.32 feet); minimum mean daily discharge, 0.6 second-foot Aug. 11.
1932-35: Maximum discharge (estimated), 410 second-feet May 15, 1932; no flow July 6-17, 1934.

Remarks.- Records excellent Apr. 15 to Sept. 30, good Oct. 1 to Nov. 21, and fair for estimated period, Nov. 22 to Apr. 14; estimates based on two discharge measurements and temperature records. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 21)

0.0	0.1	1.6	208
.2	2.6	1.8	256
.4	6.4	2.0	306
.6	20	2.2	358
.8	41	2.4	410
1.0	75	2.6	462
1.2	116	2.8	514
1.4	160	3.0	566

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.4	10					15	23	149	7.0	10	1.2
2	2.6	10					15	20	127	6.0	8.4	1.7
3	2.6	11					14	16	131	5.2	5.6	1.8
4	2.8	10					14	15	147	6.3	5.6	2.0
5	3.1	12					13	14	172	7.0	5.6	1.8
6	3.3	13					12	19	184	6.6	2.6	2.2
7	3.5	13					10	20	174	6.0	.8	2.3
8	3.5	15					10	20	174	5.2	.7	2.4
9	4.0	15					11	22	172	5.6	.7	2.3
10	4.9	15					9.0	47	177	4.9	.7	2.0
11	5.2	15					9.0	53	174	6.0	.6	2.0
12	6.0	19		*39			9.0	50	167	6.6	.7	1.8
13	6.3	33					10	38	158	6.6	.8	2.0
14	8.9	31					10	28	151	6.6	.9	2.3
15	8.4	33					8.9	26	138	6.3	1.4	2.6
16	8.4	34					8.9	31	123	6.3	2.0	2.8
17	8.0	37					8.9	36	110	4.9	2.3	2.8
18	8.4	40					8.0	47	93	7.0	2.2	2.8
19	8.9	42					8.0	58	79	6.3	2.0	2.8
20	8.9	46					8.4	87	66	8.0	6.3	2.8
21	9.9	47					11	53	44	7.4	20	2.6
22	10				*42		12	71	33	7.7	17	2.6
23	9.4						15	93	28	8.4	12	2.6
24	9.4						19	123	31	11	10	2.8
25	10						16	116	32	9.9	2.6	3.1
26	12	40					14	114	31	8.9	2.3	2.8
27	12						17	162	22	8.4	2.2	2.6
28	11						19	322	11	6.6	1.6	2.6
29	11						19	273	9.4	7.0	1.4	2.2
30	11						25	222	7.0	8.0	1.6	2.0
31	10	-					-	203	-	9.4	1.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	225.8	12	2.4	7.28	448
November	861	47	10	28.7	1,710
December	1,302	-	-	42	2,580
Calendar year					
January	1,116	-	-	36	2,210
February	896	-	-	32	1,780
March	682	-	-	22	1,350
April	379.1	25	8.0	12.6	752
May	2,422	322	14	78.1	4,800
June	3,114.4	184	7.0	104	6,180
July	217.1	11	4.9	7.00	430
August	132.0	20	.6	4.26	262
September	70.3	3.1	1.2	2.34	139
Water year 1934-35	11,417.7	322	.6	31.3	22,640

*Discharge measurement.

Fontenelle Creek near Fontenelle, Wyo.

Location.- Staff gage, lat. 42°6', long. 110°13', in sec. 3, T. 24 N., R. 113 W., 6 miles west of Fontenelle.

Drainage area.- 224 square miles.

Records available.- May 1915 to September 1919, October 1931 to September 1935.

Extremes.- Maximum discharge observed during year, 444 second-feet May 28, (gage height, 2.22 feet); minimum mean daily discharge, 5.6 second-feet Oct. 1, Sept. 19, 20.
1915-19, 1931-35: Maximum discharge observed, 900 second-feet May 22, 1917; no flow Aug. 1-5, Aug. 23 to Sept. 15, 1934.

Remarks.- Records good except those estimated for Nov. 23 to Mar. 30 on the basis of two discharge measurements and temperature records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.6	13					26	81	238	39	13	14
2	7.4	13					28	68	191	35	14	14
3	8.1	13					22	61	156	36	16	16
4	6.7	16					23	52	158	34	16	16
5	7.4	15					23	45	180	34	16	14
6	6.7	15					20	42	191	35	16	14
7	6.7	15					20	46	231	29	16	15
8	6.7	13					15	45	224	26	14	18
9	8.1	12		*14			15	46	212	26	14	19
10	7.4	10					14	57	249	25	14	16
11	6.7	7.4					15	55	245	23	14	16
12	6.7	6.7					15	72	218	19	13	14
13	8.1	6.7					19	77	209	19	13	13
14	9.5	8.8					24	77	209	19	14	13
15	9.5	12					43	77	182	22	14	13
16	11	12					67	70	166	24	14	12
17	12	13					76	61	151	19	16	13
18	12	14					52	60	142	19	16	13
19	12	14					68	67	115	19	15	5.6
20	12	14					67	68	107	19	14	5.6
21	14	12			*20		126	89	98	19	14	7.4
22	15	13					137	94	94	17	13	10
23	13	11					100	104	89	12	14	13
24	12	11					144	142	81	11	18	8.0
25	14	10					87	137	72	11	20	8.0
26	14	13					76	137	65	11	19	9.5
27	13	12					79	149	58	13	18	11
28	12	10					96	422	52	12	18	10
29	14	11					90	368	50	11	17	8.0
30	14	11					81	303	46	11	14	8.0
31	12	-				28	-	271	-	12	14	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	317.3	15	5.6	10.2	629
November	357.6	16	6.7	11.9	709
December	372	-	-	12	738
Calendar year					
January	434	-	-	14	861
February	336	-	-	12	666
March	527	-	-	17	1,050
April	1,688	144	14	56.3	3,350
May	3,443	422	42	111	6,830
June	4,479	249	46	149	8,880
July	661	39	11	21.3	1,310
August	471	20	13	15.2	934
September	367.2	19	5.6	12.2	728
Water year 1934-35	13,453.1	422	5.6	36.9	26,680

*Discharge measurement.

Henrys Fork at Linwood, Utah

Location.- Staff gage, lat. 41°, long. 109°39', in sec. 23, T. 12 N., R. 109 W., 200 feet north of Wyoming-Utah State line at Linwood. Zero of gage is 5,992.57 feet above mean sea level.

Drainage area.- 531 square miles.

Records available.- October 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 1,060 second-feet June 14 (gage height, 3.60 feet); no flow Oct. 1 to Nov. 3.
1929-35: Maximum discharge observed, 2,590 second-feet Aug. 13, 1930 (gage height, 4.8 feet); no flow during several days in 1934 and 1935.

Remarks.- Records good except those for periods July 1 to Sept. 30, which are fair, and those for period Dec. 9 to Mar. 31, which were estimated on basis of two discharge measurements and temperature records and are fair. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used July 7 to Sept. 30)

0.4	0.9	2.2	198
.6	2.3	2.4	270
.8	6.0	2.6	360
1.0	14	2.8	470
1.2	28	3.0	595
1.4	47	3.2	740
1.6	72	3.4	895
1.8	102	3.6	1,065
2.0	142		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	54				3.6	1.6	80	69	0.5	1.4
2		0	53				3.6	1.7	63	47	.4	1.1
3		0	45				3.1	2.6	48	30	.4	1.0
4		.8	45				3.3	6.0	32	24	.3	1.0
5		.8	45				3.6	15	40	19	.8	1.0
6		.8	45				3.3	14	113	14	2.7	1.0
7		1.0	44				3.3	11	215	11	1.7	1.0
8		1.1	45				3.1	5.5	299	9.2	1.2	1.3
9		1.3	40				3.1	3.3	482	6.7	1.0	1.3
10		1.4	38				3.1	3.1	740	3.6	.7	1.1
11		1.9					3.6	3.0	800	2.6	.6	1.1
12		2.8					3.8	3.1	912	1.9	.6	.9
13		3.3	34				3.6	3.1	920	1.6	.6	.8
14		3.8			*28		3.8	3.2	1,020	1.3	.5	.6
15		4.1		*20			3.5	3.1	871	1.1	.6	.5
16		5.0					4.3	2.8	651	.9	.7	.5
17		6.0					4.1	2.7	506	.9	4.1	.5
18		6.7	30				5.3	2.7	295	.8	4.6	.5
19		8.2					9.6	28	236	.7	2.8	.5
20		8.9					10	46	229	.7	1.9	.5
21		12					12	40	215	.6	1.7	.5
22		12					4.8	26	163	.6	1.5	.5
23		16	28				3.5	10	168	.4	1.6	.4
24		18					3.0	7.4	150	.4	1.8	1.0
25		30					2.3	9.2	131	.4	2.0	1.0
26		42					1.7	13	111	.3	2.1	1.0
27		47					1.5	9.6	92	.3	1.8	1.0
28		47	24				1.7	66	85	.2	1.7	1.0
29		49					1.5	92	86	.3	1.6	.9
30		53					1.6	67	85	.4	1.3	.8
31		-					-	62	-	.5	1.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	383.9	53	0	12.8	761
December	1,058	-	-	34.1	2,100
Calendar year 1934	6,141.7	133	0	17.1	12,180
January	744	-	-	24	1,480
February	896	-	-	32	1,780
March	1,054	-	-	34	2,090
April	118.3	12	1.5	3.94	235
May	563.7	92	1.6	18.2	1,120
June	9,838	1,020	32	328	19,510
July	250.4	69	.2	8.08	497
August	45.2	4.6	.3	1.46	90
September	25.7	1.4	.4	.86	51
Water year 1934-35	14,977.2	1,020	0	41.0	29,710

*Discharge measurement.

Burnt Fork at Burntfork, Wyo.

Location.- Chain gage, lat. 41°2', long. 110°1', in sec. 11, T. 12 N., R. 112 W., a quarter of a mile west of Burntfork and 1 mile above mouth. Zero of gage is 7,098.70 feet above mean sea level. Prior to Aug. 22, 1934, station located 200 feet downstream at different datum.

Drainage area.- 73 square miles.

Records available.- July 1929 to September 1935.

Extremes.- Maximum discharge observed during year, 90 second-feet June 14 (gage height, 3.44 feet); minimum mean daily discharge, 0.2 second-foot July 14, 15, 27-31.
1929-35: Maximum discharge, 445 second-feet Aug. 10, 1930 (gage height, 4.7 feet, former datum); no flow several days in June and July 1934.

Remarks.- Records good except those for period Jan. 1 to Mar. 31, which were estimated on basis of two discharge measurements and temperature records. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 16 to Sept. 30)

1.1	0.2	2.4	37
1.2	.4	2.6	46
1.4	2.1	2.8	56
1.6	5.2	3.0	66
1.8	12	3.2	76
2.0	20	3.4	88
2.2	26		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	2.6	3.7				3.1	1.1	0.5	1.8	0.3	2.6
2	.8	2.7	3.7				3.2	1.2	.5	1.5	.9	2.5
3	.8	2.7	3.7				4.6	1.1	.5	1.6	.9	2.1
4	.8	2.8	4.1				2.7	1.0	.5	2.0	.8	2.2
5	.8	2.7	4.1				2.7	.5	3.5	1.6	.8	1.7
6	.8	2.8	4.1				2.8	.4	28	1.3	1.0	1.5
7	.8	2.8	4.1				2.5	.4	38	1.1	.8	1.6
8	.8	2.8	4.1				2.6	.4	46	.8	1.0	1.4
9	.8	2.6	4.1				2.7	.4	70	.4	.9	1.5
10	1.0	2.6	4.1				2.5	.4	70	.4	.8	1.5
11	1.0	2.8	4.4				2.3	.4	72	.4	.8	1.4
12	1.1	2.7	4.4				2.3	.4	77	.4	.8	1.5
13	1.3	2.8	4.8				2.2	.5	85	.4	.8	1.5
14	1.3	3.1	4.8				2.1	.5	81	.2	1.2	1.4
15	1.3	3.2	4.8		*4.6		2.1	.5	74	.2	1.2	1.2
16	1.2	3.3	4.8				2.0	.5	63	.3	2.2	1.4
17	1.3	3.7	5.2				2.1	.7	45	.3	2.6	1.3
18	1.3	3.7	5.2				2.5	.8	38	.3	2.7	1.4
19	1.2	3.7	5.2				2.9	.8	28	.4	2.8	1.3
20	1.2	3.7	5.2				2.6	.8	29	.5	2.9	1.2
21	1.2	4.1	5.5				2.5	.7	26	.5	2.8	1.3
22	1.3	4.2	5.8				2.2	.5	23	.5	3.1	1.4
23	1.3	4.1	5.8			*4.0	2.2	.5	21	.4	2.7	1.3
24	1.5	3.7	5.8				2.0	.5	20	.3	2.6	1.5
25	1.5	3.7	5.8				1.9	.7	12	.3	2.2	1.7
26	1.7	4.2	5.8				2.0	1.3	9.1	.3	2.0	1.7
27	1.8	4.1	5.8				2.1	1.9	5.8	.2	2.1	1.6
28	1.7	3.7	5.2				1.2	3.1	3.9	.2	2.2	1.5
29	1.9	3.7	5.5				1.1	1.0	2.6	.2	2.5	1.5
30	1.9	4.1	5.2				1.0	.7	2.1	.2	2.3	1.5
31	2.1	-	5.2				-	.7	-	.2	2.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	38.3	2.1	0.8	1.24	76
November	99.4	4.2	2.6	3.31	197
December	150.0	5.8	3.7	4.84	298
Calendar year 1934	666.6	-	0	1.83	1,320
January	170.5	-	-	5.5	338
February	140	-	-	5.0	278
March	139.5	-	-	4.5	277
April	70.7	4.6	1.0	2.36	140
May	24.4	3.1	.4	.79	48
June	975.0	85	.5	32.5	1,930
July	19.2	2.0	.2	.62	38
August	53.2	3.1	.3	1.72	106
September	47.2	2.6	1.2	1.57	94
Water year 1934-35	1,927.4	85	.2	5.28	3,820

*Discharge measurement.

Yampa River at Steamboat Springs, Colo.

Location.- Water-stage recorder, lat. 40°29', long. 106°50', in sec. 17, T. 6 N., R. 84 W., at Steamboat Springs, a quarter of a mile above Soda Creek.

Drainage area.- 604 square miles.

Records available.- May 1904 to October 1906, March 1910 to December 1913, October 1933 to September 1935 in reports of U. S. Geological Survey; May 1904 to October 1906, March 1910 to September 1935 in reports of State engineer.

Average discharge.- 26 years (1904-6, 1910-34), 507 second-feet.

Extremes.- Maximum discharge during year, 4,150 second-feet June 13 (gage height, 5.60 feet); minimum daily discharge (estimated), 33 second-feet Sept. 23.
1904-6, 1910-35: Maximum discharge, 6,820 second-feet June 14, 1921 (gage height, 7.08 feet); minimum daily discharge, 4 second-feet Sept. 8, 1934.

Remarks.- Records good except those estimated for periods Oct. 7-10, 29, 30, Nov. 16, 28-29, Apr. 24, 25, May 19, Sept. 22, 23, which are fair. No record Dec. 7 to Mar. 24. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	52	79			-	209	483	1,700	571	218	79
2	47	65	67			-	224	424	1,410	488	194	90
3	43	57	60			-	319	374	1,260	453	151	77
4	44	60	67			-	253	347	1,390	410	134	70
5	46	85	70			-	224	374	1,750	347	146	70
6	46	85	67			-	224	438	2,200	304	139	77
7	46	85	-			-	197	438	2,520	289	125	103
8	45	86	-			-	203	434	2,740	265	118	116
9	43	83	-			-	221	448	2,810	256	123	118
10	42	79	-			-	188	526	3,080	256	107	107
11	41	77	-			-	172	565	3,380	253	94	92
12	41	74	-			-	191	623	3,390	224	85	81
13	49	72	-			-	267	721	3,340	200	81	75
14	44	70	-			-	323	721	3,490	177	77	70
15	49	70	-			-	369	670	3,450	169	72	67
16	52	70	-			-	453	670	2,860	148	77	67
17	52	70	-			-	374	735	2,520	132	96	67
18	49	72	-			-	334	791	2,280	134	111	62
19	52	77	-			-	392	700	2,080	134	100	58
20	57	63	-			-	401	605	2,140	172	92	52
21	54	74	-			-	448	599	1,860	166	85	46
22	57	68	-			-	504	756	1,680	194	81	40
23	60	65	-			-	483	1,030	1,600	200	77	33
24	54	81	-			-	450	1,320	1,260	180	88	36
25	57	77	-			166	400	1,560	1,130	164	92	46
26	55	77	-			166	378	1,940	980	148	88	55
27	55	77	-			169	434	2,110	924	130	83	83
28	52	77	-			161	462	1,890	861	109	77	107
29	52	77	-			164	443	1,740	756	100	75	96
30	52	77	-			206	467	1,770	670	103	70	90
31	52	-	-			218	-	1,940	-	218	68	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,537	60	41	49.6	3,050
November	2,202	86	52	73.4	4,370
December 1-6	410	79	60	68.3	813
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 25-31	1,250	218	161	179	2,480
April	10,007	504	172	334	19,850
May	27,742	2,110	347	895	55,030
June	61,511	3,490	670	2,050	122,000
July	7,114	571	100	229	14,110
August	3,224	218	68	104	6,390
September	2,230	118	33	74.3	4,420
Water year					

Yampa River near Maybell, Colo.

Location.- Water-stage recorder, lat. 40°30', long. 108°2', in sec. 2, T. 6 N., R. 95 W., 3 miles east of Maybell.

Drainage area.- 3,410 square miles.

Records available.- April 1916 to September 1917, October 1933 to September 1935 in reports of U. S. Geological Survey; April 1916 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 9,870 second-feet June 16 (gage height, 6.96 feet); minimum daily discharge, 69 second-feet Oct. 1.

1916-35: Maximum discharge recorded, 17,900 second-feet May 19, 1917 (gage height, about 10.4 feet); minimum daily discharge, 2 second-feet July 17-19, 1934.

Remarks.- Records good except those estimated for Nov. 25-30. No record Dec. 1 to Mar. 25. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	143				-	796	2,000	6,680	3,100	425	132
2	77	139				-	787	1,940	6,050	2,800	524	132
3	83	147				-	760	1,730	5,340	2,560	516	118
4	91	155				-	859	1,560	4,660	2,390	501	111
5	101	166				-	1,060	1,420	4,900	2,180	459	104
6	97	175				-	970	1,420	5,530	1,960	405	101
7	97	180				-	832	1,740	6,410	1,730	379	151
8	91	198				-	778	1,870	6,930	1,600	372	288
9	88	207				-	707	1,850	7,520	1,550	360	207
10	86	212				-	823	2,260	7,960	1,420	337	217
11	94	217				-	650	2,860	8,470	1,270	320	242
12	94	207				-	707	3,320	8,860	1,220	304	227
13	101	212				-	622	3,610	9,000	1,150	283	194
14	111	207				-	647	4,090	8,930	1,020	267	166
15	118	202				-	960	4,100	9,250	922	242	143
16	114	198				-	1,050	3,490	9,430	850	392	128
17	111	194				-	1,460	3,440	9,160	778	278	114
18	114	194				-	1,580	3,780	7,280	698	237	111
19	132	198				-	1,300	4,220	6,240	690	217	104
20	139	217				-	1,300	3,760	5,880	716	207	101
21	151	232				-	1,410	3,280	5,840	613	207	101
22	151	232				-	1,720	3,150	6,090	647	198	97
23	162	207				-	2,040	3,700	5,440	613	184	91
24	166	217				-	2,010	4,350	5,320	655	171	94
25	162	200				-	1,740	5,700	5,100	622	151	94
26	166	200				452	1,480	7,390	4,390	540	143	97
27	158	200				516	1,320	8,100	3,420	487	143	104
28	162	200				532	1,370	8,210	3,370	438	155	114
29	162	200				622	1,560	8,010	3,320	405	147	128
30	158	200				622	1,700	7,450	3,300	392	136	147
31	158	-				769	-	6,660	-	372	128	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,766	166	69	121	7,470
November	5,856	232	139	195	11,620
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 26-31	3,513	769	452	586	6,970
April	35,198	2,040	622	1,173	69,810
May	120,460	8,210	1,420	3,886	238,900
June	190,070	9,430	3,300	6,336	377,000
July	36,388	3,100	372	1,174	72,170
August	8,788	524	128	283	17,430
September	4,158	288	91	139	8,250
Water year					

Elk River at Clark, Colo.

Location.- Water-stage recorder, lat. 40°43', long. 106°55', in sec. 28, T. 9 N., R. 85 W., at Clark.

Drainage area.- 206 square miles.

Records available.- May 1910 to November 1913, October 1933 to September 1935 in reports of U. S. Geological Survey; May 1910 to September 1922, April 1930 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 3,360 second-feet June 13 (gage height, 5.00 feet); minimum probably occurred during period of no record.
1910-22, 1930-35: Maximum daily discharge, 4,470 second-feet June 6, 9, 1912; minimum probably occurred during winter of 1934.

Remarks.- Records good except those for Apr. 1 to May 8, which are fair. No records Dec. 1 to Mar. 31. Practically no diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	39					41	272	1,260	1,160	211	72
2	46	43					40	254	1,030	1,110	190	62
3	46	46					55	208	953	1,020	164	60
4	43	46					58	220	1,130	928	150	56
5	42	50					64	230	1,330	817	146	55
6	40	48					54	294	1,580	762	136	78
7	39	40					25	314	1,710	740	128	115
8	36	41					61	494	1,990	697	126	115
9	34	39					67	596	2,280	636	126	94
10	33	38					33	762	2,290	596	115	68
11	33	36					27	770	2,270	566	108	61
12	33	42					34	936	2,210	500	102	55
13	33	46					55	885	2,480	465	96	54
14	33	35					310	762	2,730	440	90	50
15	34	36					148	655	2,600	400	92	49
16	40	44					133	669	2,230	366	100	44
17	40	31					175	842	1,800	370	104	43
18	40	31					131	868	1,800	344	106	43
19	39	37					220	725	1,800	326	90	43
20	37	40					190	658	1,790	344	80	42
21	38	42					450	725	1,770	344	80	48
22	39	43					629	860	1,700	339	76	40
23	39	43					310	1,110	1,730	298	75	42
24	33	43					205	1,500	1,620	272	96	60
25	33	44					205	2,060	1,320	254	87	64
26	33	43					112	1,940	1,130	240	76	55
27	33	43					161	1,880	1,230	217	72	58
28	33	50					211	1,850	1,280	214	68	55
29	33	*45					370	1,660	1,330	205	70	50
30	32	*45					440	1,480	1,260	234	67	49
31	34	-					-	1,370	-	224	70	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,147	46	32	37.0	2,280
November	1,249	50	31	41.6	2,480
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	5,014	629	25	167	9,950
May	27,849	2,060	208	898	55,240
June	51,633	2,730	953	1,721	102,400
July	15,428	1,160	205	498	30,600
August	3,297	211	67	106	6,540
September	1,780	115	40	59.3	3,530
Water year					

*Estimated.

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Little Snake River near Lily, Colo.

Location.- Water-stage recorder, lat. 40°32', long. 108°25', in sec. 20, T. 7 N., R. 98 W., 6 miles north of Lily and 6 miles above mouth.

Drainage area.- 3,730 square miles.

Records available.- June to August 1904, May 1922 to September 1927, October 1933 to September 1935 in reports of U. S. Geological Survey; June to August 1904, May 1922 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 3,780 second-feet May 29 (gage height, 6.80 feet); no flow Oct. 1 to Nov. 30.
1904, 1922-35: Maximum discharge, 14,200 second-feet May 27, 1926 (gage height, 10.5 feet); no flow at times during 1924, 1930, 1931, 1934.

Remarks.- Records good except those below 20 second-feet and those estimated for Sept. 11-18, which are fair. No record Dec. 1 to Mar. 31. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						-	177	596	2,000	445	3	26
2						-	195	734	1,610	494	3	4
3						-	195	672	1,680	390	4	3
4						-	212	572	1,540	321	3	4
5						-	212	500	1,520	206	3	4
6						-	230	456	1,300	206	3	5
7						-	230	500	1,440	202	3	6
8						-	248	620	1,720	144	3	174
9						-	244	692	2,000	110	3	795
10						-	212	633	2,130	128	3	265
11						-	230	835	2,470	61	2	135
12						-	237	1,310	2,540	118	2	70
13						-	234	1,730	2,830	98	2	40
14						-	209	2,240	2,680	88	2	28
15						-	212	1,790	2,720	78	2	16
16						-	281	1,520	2,240	67	72	10
17						-	390	1,390	2,180	61	40	6
18						-	462	1,440	2,060	50	202	4
19						-	572	1,600	1,940	54	220	5
20						-	467	1,570	1,830	50	112	5
21						-	390	1,350	1,500	61	62	4
22						-	472	1,130	1,610	28	39	4
23						-	741	1,190	1,560	10	16	4
24						-	1,030	1,470	1,100	16	17	4
25						-	755	1,710	713	21	16	6
26						192	685	2,160	620	9	9	4
27						183	652	2,720	560	4	5	3
28						171	572	3,050	620	4	4	3
29						183	548	3,050	590	3	3	3
30						168	602	2,900	472	3	3	3
31						156	-	2,240	-	3	3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 26-31	1,053	192	156	176	2,090
April	11,896	1,030	177	397	23,600
May	44,370	3,050	456	1,431	88,010
June	49,975	2,830	472	1,666	99,120
July	3,533	494	3	114	7,010
August	864	220	2	27.9	1,710
September	1,643	795	3	54.8	3,260
Water year					

Slater Fork near Slater, Colo.

Location.- Water-stage recorder, lat. 40°59', long. 107°23', in SW¼ sec. 21, T. 12 N., R. 89 W., 1½ miles south of Slater and about 1 mile above mouth.

Drainage area.- 161 square miles.

Records available.- May 1910 to May 1912, October 1933 to September 1935 in reports of U. S. Geological Survey; May 1910 to May 1912, June 1931 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 926 second-feet May 26 (gage height, 7.27 feet); minimum mean daily discharge, 3 second-feet Sept. 21.
1910-12, 1931-35: Maximum discharge, 1,700 second-feet May 19, 1912 (gage height, 5.0 feet, former datum); no flow Aug. 2-10, 1934.

Remarks.- Records good except those estimated for periods Apr. 1-8, 23-28, May 5. No records Dec. 4 to Mar. 31. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	15	14				14	91	404	98	8	6
2	12	15	13				16	76	320	85	8	6
3	8	14	13				18	68	286	77	8	6
4	10	14	-				18	63	329	69	6	6
5	12	13	-				18	80	406	59	6	6
6	14	14	-				20	96	485	47	5	5
7	14	14	-				20	114	493	42	5	5
8	12	14	-				24	117	520	36	5	8
9	14	13	-				27	178	600	31	5	8
10	16	13	-				23	297	605	27	4	7
11	11	13	-				20	392	581	24	5	6
12	11	13	-				23	441	570	21	5	5
13	9	12	-				32	419	629	16	5	4
14	11	13	-				44	423	610	15	5	4
15	13	12	-				50	369	641	16	4	4
16	15	13	-				86	350	465	14	8	4
17	16	13	-				69	364	430	14	10	4
18	18	14	-				48	390	333	15	8	4
19	21	14	-				56	318	299	14	8	4
20	21	14	-				86	273	299	13	6	4
21	18	14	-				108	326	282	12	6	3
22	18	12	-				139	416	216	12	5	4
23	15	14	-				130	467	255	12	5	4
24	15	14	-				125	610	244	11	7	4
25	18	12	-				120	749	206	9	8	6
26	18	14	-				110	672	154	8	7	6
27	16	11	-				100	602	137	6	6	7
28	17	13	-				75	629	142	6	6	7
29	18	11	-				70	537	133	6	6	7
30	17	13	-				124	509	118	7	6	7
31	16	-	-				-	485	-	8	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	456	21	8	14.7	904
November	398	15	11	13.3	789
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	1,813	139	14	60.4	3,600
May	10,921	749	63	352	21,660
June	11,192	641	118	373	22,200
July	830	98	6	26.8	1,650
August	192	10	4	6.2	381
September	161	8	3	5.4	319
Water year					

Ashley Creek near Vernal, Utah

Location.- Water-stage recorder, lat. 40°35', long. 109°37', in sec. 1, T. 3 S., R. 20 E., three-quarters of a mile above heading of Utah Power & Light Co.'s canal and 12 miles northwest of Vernal.

Drainage area.- 101 square miles.

Records available.- June 1914 to September 1935. Fragmentary records March 1900 to December 1904 at station below mouth of Dry Fork and October 1911 to June 1914 at power plant 1½ miles below present gage.

Average discharge.- 19 years (1914-16, 1918-35), 107 second-feet.

Extremes.- Maximum discharge during year, 1,140 second-feet June 9 (gage height, 8.3 feet); minimum, 25 second-feet for several days during February, March, and April. 1911-35: Maximum discharge, 2,050 second-feet May 29, 1921; minimum discharge recorded, 19 second-feet Mar. 10, 1934.

Remarks.- Records fair. No diversions above station.

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

Table for Oct. 1 to June 9

5.6	18	6.8	265
5.8	37	7.0	338
6.0	63	7.3	475
6.2	98	7.6	650
6.4	145	8.0	920
6.6	201	8.5	1,300

Table for June 10 to Sept. 30

5.7	20	6.8	265
5.8	30	7.0	338
6.0	58	7.3	475
6.2	97	7.6	650
6.4	145	8.0	920
6.6	201	8.5	1,300

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	39	33	31	*27	*26	*26	*26	*38	300	*150	86	49
2	*38	34	*31	*27	*26	*26	*26	*40	327	*150	84	48
3	*37	33	*31	*27	*26	*26	*26	*42	389	145	82	46
4	*36	33	*31	*27	*26	*26	*26	44	*450	*140	80	44
5	*36	33	*31	27	*25	*25	*26	43	*550	*135	80	43
6	*35	33	*31	*27	*25	*25	*26	43	*650	*130	78	43
7	35	36	*31	*27	*25	*25	26	45	*700	*125	74	43
8	*35	36	31	*27	*25	*25	*26	52	*800	*125	74	48
9	35	*36	*31	*26	25	25	*25	76	*850	*115	72	46
10	*35	*35	*30	*26	*25	*25	25	111	*900	108	71	44
11	*35	*34	*30	*26	*25	*25	25	161	*850	*105	69	42
12	*35	*33	*29	*26	*26	*25	26	181	*850	*100	65	40
13	*35	33	*29	26	26	*25	27	164	*800	*95	63	39
14	*35	*33	*28	*26	*26	*25	27	164	*680	*95	62	38
15	*35	*33	*28	*26	*26	*25	27	156	*600	*90	62	38
16	*34	*32	28	*26	*26	*26	27	167	*500	*90	65	38
17	*34	*32	*28	*26	*26	*26	30	178	*400	*95	65	36
18	*34	32	*28	*26	*26	*26	30	186	*350	97	63	35
19	*34	*32	*27	*26	*26	*26	30	167	*300	*100	63	35
20	*34	*32	*27	*26	*26	*26	30	150	*300	*105	62	35
21	*34	*32	27	*26	*26	*26	31	145	*280	*105	58	35
22	*33	*32	*27	*26	*26	*26	32	181	*260	*100	56	35
23	*33	*32	*27	26	26	26	36	235	245	*95	56	35
24	*33	*32	*27	*26	*26	*26	38	290	232	93	55	35
25	*33	*32	*27	*26	*26	*26	33	359	210	*92	55	36
26	*33	*31	*27	*26	*26	*26	33	416	201	*91	55	36
27	*33	*31	*27	*26	26	*26	*33	455	*190	*90	54	35
28	*32	*31	27	*26	*26	*26	*34	480	*180	*90	54	35
29	*32	*31	*27	*26	-	*26	*35	435	*170	*89	52	34
30	*32	*31	*27	26	-	*26	*36	394	*160	*89	50	33
31	32	-	*27	*26	-	*26	-	323	-	89	50	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,066	39	32	34.4	2,110
November	983	36	31	32.8	1,950
December	888	31	27	28.6	1,760
Calendar year 1934	16,412	-	-	45.0	32,560
January	814	27	26	26.3	1,610
February	721	26	25	25.8	1,430
March	795	26	25	25.6	1,580
April	873	38	25	29.3	1,740
May	5,921	480	38	191	11,740
June	13,674	900	160	456	27,120
July	3,318	150	89	107	6,580
August	2,015	86	50	65.0	4,000
September	1,179	49	33	39.3	2,340
Water year 1934-35	32,252	900	25	88.4	63,960

*Estimated.

Duchesne River near Tabiona, Utah

Location.- Water-stage recorder, lat. 40°18', long. 110°36', in SW¼ sec. 17, T. 2 S., R. 6 W. Uinta meridian, 5½ miles above Rock Creek and 8 miles southeast of Tabiona. Prior to Oct. 16, 1934, staff gage at same site and datum.

Drainage area.- 352 square miles.

Records available.- January 1919 to September 1935.

Average discharge.- 16 years, 209 second-feet.

Extremes.- Maximum discharge during year, 1,220 second-feet June 14 (gage height, 7.01 feet); minimum discharge, 27 second-feet Oct. 17.
1919-35: Maximum discharge, about 2,500 second-feet June 13, 1921; minimum discharge, that of Oct. 17, 1934.

Remarks.- Records fair. Small diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	43	73	*65	51	*50	62	†120	† 325	†240	56	†78
2	49	47	69	*65	49	*50	62	†110	298	†220	54	78
3	49	48	74	*65	50	*50	65	†110	320	†210	52	78
4	47	57	*72	*65	*50	*50	72	†105	360	†200	50	78
5	47	59	*70	*65	*50	*50	69	103	486	†190	60	72
6	45	58	*70	*65	*50	*50	66	†100	654	†180	60	71
7	42	51	*70	*65	*55	*50	66	†110	790	†170	52	77
8	38	46	*70	*65	*55	*50	69	†110	920	161	50	82
9	36	45	*70	*65	*55	*50	73	†110	1,000	†150	52	87
10	35	44	*70	*65	56	*50	67	†120	1,110	†140	47	77
11	30	46	*70	63	52	*50	67	†140	1,130	†130	45	73
12	32	45	*70	62	56	*50	67	145	1,130	†120	43	73
13	30	44	*70	60	59	*50	68	143	1,130	†110	44	73
14	33	46	*75	65	51	*50	71	140	1,130	†105	45	71
15	34	46	*80	63	54	*50	90	143	1,080	102	68	71
16	38	46	*80	60	52	*50	102	156	980	102	99	73
17	30	48	*80	61	57	49	96	150	800	85	†150	73
18	28	58	*80	65	*55	†55	86	141	726	80	90	72
19	28	61	80	62	*55	62	93	138	686	82	81	67
20	29	63	72	*60	*55	58	104	138	668	93	73	67
21	28	67	69	*55	*55	56	115	138	†600	102	74	69
22	31	68	69	*55	*55	59	†115	161	†500	85	74	65
23	36	77	67	*55	*55	54	†116	236	478	82	92	†67
24	40	74	69	*55	54	57	†117	289	†460	80	85	69
25	44	74	74	*55	53	58	†118	374	†410	77	82	65
26	40	78	72	*50	52	60	†119	462	†360	69	80	60
27	36	68	*70	*50	*50	56	†120	550	†330	65	77	60
28	38	77	*70	*50	*50	56	120	†575	†320	60	127	61
29	38	72	*70	*50	-	62	†120	†500	†290	65	†86	62
30	41	73	*70	*50	-	65	†130	†475	258	61	†82	63
31	42	-	*70	*50	-	62	-	†400	-	60	†80	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,163	49	28	37.5	2,310
November	1,729	78	43	57.6	3,430
December	2,235	80	67	72.1	4,430
Calendar year 1934	26,478	209	28	72.5	52,530
January	1,846	85	50	59.5	3,660
February	1,491	59	49	53.2	2,960
March	1,669	65	49	53.8	3,310
April	2,705	130	62	90.2	5,370
May	6,692	575	100	216	13,270
June	19,729	1,130	258	658	39,130
July	3,676	240	60	119	7,290
August	2,210	150	43	71.3	4,380
September	2,132	87	60	71.1	4,230
Water year 1934-35	47,277	1,130	28	130	93,770

*Estimated because of ice.
†Estimated.

Duchesne River at Duchesne, Utah

Location.- Water-stage recorder, lat. 40°9'55", long. 110°23'50", in SW¼NE¼ sec. 1, T. 4 S., R. 5 W. Uinta meridian, in Duchesne, half a mile above mouth of Strawberry River. Prior to Oct. 18, 1934, staff gage at site a quarter of a mile upstream at different datum.

Drainage area.- 660 square miles.

Records available.- December 1917 to September 1935.

Average discharge.- 18 years, 385 second-feet.

Extremes.- Maximum discharge during year, 3,580 second-feet June 14 (gage height, 5.37 feet); minimum observed, 40 second-feet Oct. 17.

1917-35: Maximum discharge observed, 4,420 second-feet June 10, 1922 (gage height, 8.65 feet, former site and datum); minimum observed, 15 second-feet July 11, 1931.

Remarks.- Records good except those estimated for Nov. 28 to Feb. 15 because of ice effect and July 5-12, 14-19 because of missing record, which are fair. Diversions for irrigation above station.

Rating table for Oct. 18 to Sept. 30 except period of ice effect (gage height, in feet, and discharge, in second-feet

1.6	41	3.0	505
1.8	71	3.3	715
2.0	109	3.6	1,010
2.2	158	4.0	1,470
2.4	222	4.5	2,130
2.6	301	5.0	2,920
2.8	395		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	59	48				135	111	208	635	499	91	103
2	56	48				123	111	182	593	454	84	101
3	56	49				123	116	182	621	416	78	101
4	53	57				114	120	167	760	406	85	95
5	53	55				109	116	161	1,080	390	95	89
6	56	58				101	109	158	1,540	360	91	75
7	53	54				111	107	167	1,910	340	82	82
8	50	51			95	114	118	167	2,240	320	76	99
9	50	51				99	137	167	2,590	300	76	103
10	47	51				101	123	188	2,950	280	75	93
11	45	51				109	127	208	3,000	255	68	78
12	43	52				116	135	219	2,950	230	63	71
13	43	52				125	135	226	3,070	208	60	75
14	43	51				137	140	219	3,070	190	58	75
15	43	51				127	153	215	3,000	180	69	75
16	43	52			99	114	173	237	2,540	180	135	75
17	40	52			114	109	176	249	1,850	160	215	71
18	42	68			125	114	161	245	1,670	140	195	68
19	41	87	*107		125	118	153	219	1,590	140	145	68
20	41	95			123	118	179	219	1,600	153	125	76
21	42	99			125	114	195	205	1,490	202	116	84
22	42	97			120	109	212	233	1,340	176	111	76
23	44	111			118	109	230	346	1,180	148	125	78
24	47	116			125	109	215	471	1,110	135	140	80
25	47	111			114	111	195	559	958	130	127	84
26	49	122			111	114	185	778	796	118	123	84
27	51	114			114	111	182	1,020	724	109	116	85
28	47	112			132	109	202	1,060	675	103	145	82
29	45	110			-	114	202	916	600	99	140	85
30	47	108			-	120	226	865	547	107	118	87
31	49	-			-	120	-	751	-	105	105	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,467	59	40	47.3	2,910
November	2,233	122	48	74.4	4,430
December	3,255	-	-	105	6,460
Calendar year 1934	38,858	573	40	106	77,090
January	2,945	-	-	95	5,840
February	2,970	132	-	106	5,890
March	3,557	137	99	115	7,060
April	4,744	230	107	158	9,410
May	11,207	1,060	158	362	22,230
June	48,679	3,070	547	1,623	96,550
July	7,033	499	99	227	13,950
August	3,332	215	58	107	6,610
September	2,498	103	68	83.3	4,950
Water year 1934-35	93,920	3,070	40	257	186,300

*Discharge measurement.

Duchesne River at Myton, Utah

Location.- Water-stage recorder, lat. 40°12', long. 110°3', in NW¼ sec. 25, T. 3 S., R. 2 W. Uinta meridian, at Myton, 3 miles below mouth of Lake Fork.

Drainage area.- 2,750 square miles.

Records available.- October 1899 to November 1910, July 1911 to September 1935.

Average discharge.- 27 years (1899-1902, 1911-35), 665 second-feet.

Extremes.- Maximum discharge during year, 4,340 second-feet June 14 (gage height, 5.96 feet); minimum daily discharge, 2 second-feet for several days during October.
1899-1935: Maximum discharge observed, 12,800 second-feet June 10, 1922 (gage height, 7.94 feet); minimum, less than 1 second-foot, July 16, 1931, and several days during August and September 1934.

Remarks.- Records fair. Stage-discharge relation affected by ice Dec. 9 to Feb. 15. Large diversions for irrigation above station. Flow affected by storage in reservoir on Strawberry River.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 19)

1.0	0	2.2	335	3.7	1,480
1.2	12	2.4	451	4.0	1,810
1.4	46	2.6	580	4.5	2,390
1.6	94	2.8	718	5.0	3,010
1.3	157	3.0	865	5.5	3,680
2.0	236	3.3	1,100	6.0	4,400

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*2	10	198			228	187	309	948	521	36	64
2	25	8	190			232	190	269	865	457	36	57
3	*5	8	154			260	190	250	820	403	42	48
4	*3	8	183			245	202	260	918	369	40	42
5	*2	8	198			228	198	236	1,130	357	64	38
6	*2	10	202			211	164	223	1,540	309	57	*34
7	*2	11	207			211	150	207	2,050	245	42	*32
8	*2	12	202		*175	232	154	194	2,470	211	40	*30
9	*2	12				223	219	163	3,010	*180	44	*28
10	2	11				194	219	198	3,650	*150	42	*26
11	*2	11				198	183	202	3,950	*130	33	*24
12	*3	10				211	147	250	3,860	*110	25	*23
13	*3	12	*210			260	144	245	4,160	*100	22	*22
14	*4	27				357	140	223	4,300	*95	17	*21
15	5	27				278	134	202	3,920	*90	17	*20
16	8	25			157	223	147	219	3,150	*85	36	*19
17	7	25	224		147	187	168	245	2,230	*80	278	*18
18	6	29			172	161	179	264	1,770	*75	283	*17
19	4	42			179	164	161	241	1,610	*70	179	*16
20	4	94			168	176	154	236	1,620	64	124	*15
21	3	97			176	154	176	241	1,540	*60	106	*14
22	3	94			172	150	207	228	1,360	*55	97	*13
23	3	97			157	154	288	304	1,210	*50	106	12
24	4	115	*210		179	161	341	540	1,100	*45	154	13
25	5	121			172	172	325	697	972	*40	121	15
26	6	140			144	*170	241	932	865	*38	106	20
27	7	140			150	*168	198	1,230	747	*35	94	22
28	5	172			187	*166	211	1,350	725	*32	97	20
29	6	190			-	164	241	1,250	662	*30	190	23
30	6	198			-	183	274	1,160	580	59	97	25
31	8	-			-	187	-	1,080	-	33	78	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	149	25	2	4.8	296
November	1,764	198	8	58.8	3,500
December	6,378	-	-	206	12,650
Calendar year 1934	40,429	451	1	111	80,200
January	5,890	-	-	*190	11,680
February	4,785	-	144	171	9,490
March	6,308	357	150	203	12,510
April	5,932	341	134	198	11,770
May	13,668	1,350	183	441	27,110
June	57,732	4,300	580	1,924	114,500
July	4,578	521	30	148	9,080
August	2,703	283	17	87.2	5,360
September	771	64	12	25.7	1,530
Water year 1934-35	110,658	4,300	2	303	219,500

*Estimated.

Strawberry River at Duchesne, Utah

Location.- Staff gage, lat. 40°10', long. 110°25', in SW¼NE¼ sec. 2, T. 4 S., R. 5 W. Uinta meridian, three-quarters of a mile west of Duchesne and 1½ miles above mouth.

Drainage area.- 1,040 square miles.

Records available.- June 1908 to November 1910, March 1914 to September 1935.

Average discharge.- 21 years (1914-35), 172 second-feet.

Extremes.- Maximum discharge observed during year, 780 second-feet Aug. 16 (gage height, 8.30 feet); minimum observed, 11 second-feet Oct. 1, 2, and 6.
1908-10, 1914-35: Maximum discharge observed, 3,230 second-feet May 27, 1922; minimum observed, 1 second-foot during several days in July 1931.

Remarks.- Records fair. Discharge estimated during period of ice effect, Nov. 28 to Mar. 5. Discharge also estimated for Aug. 4, 16-18, 23, 28. Diversions for irrigation above station. Flow affected by storage in Strawberry Valley Reservoir (capacity, 250,000 acre-feet), which is diverted to Great Salt Lake Basin.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	27				40	51	129	298	81	27	33
2	11	26				40	53	124	278	74	26	32
3	12	28				40	53	112	271	70	25	30
4	14	33				40	59	112	294	67	75	29
5	12	36				40	63	98	298	62	31	27
6	11	38				42	62	104	291	57	29	26
7	14	35				44	61	117	291	56	25	26
8	15	35				46	63	122	296	54	23	26
9	16	36				48	67	127	291	50	22	25
10	16	37				42	63	136	284	46	19	23
11	14	39				44	56	149	269	45	19	22
12	22	38				90	55	180	245	45	19	22
13	23	39				112	54	170	220	45	18	21
14	23	39				158	55	160	216	43	18	20
15	25	39				93	61	142	203	43	19	19
16	26	39				73	66	186	188	42	150	18
17	26	37				55	68	203	176	42	150	17
18	25	40				52	70	201	168	42	125	16
19	27	43	*32			57	67	190	156	44	55	15
20	27	45				57	67	186	149	44	45	16
21	27	44				52	82	184	138	42	44	18
22	27	33				48	99	182	138	40	42	17
23	26	35				44	120	234	126	39	75	18
24	26	33				44	126	281	120	34	73	20
25	29	35				44	98	319	120	34	42	20
26	30	39				46	90	360	114	33	42	19
27	29	23				46	96	360	107	31	42	20
28	27	35				44	107	360	102	32	100	20
29	27	35				44	112	354	92	31	73	22
30	25	35				47	115	354	86	30	41	25
31	23	-				48	-	332	-	33	35	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	667	30	11	21.5	1,320
November	1,076	45	23	35.9	2,130
December	1,085	-	-	35	2,150
Calendar year 1934	10,221	129	2	28.0	20,250
January	1,085	-	-	35	2,150
February	980	-	-	35	1,940
March	1,720	158	40	55.5	3,410
April	2,259	126	51	75.3	4,480
May	6,268	360	98	202	12,430
June	6,025	298	86	201	11,950
July	1,431	81	30	46.2	2,840
August	1,529	150	18	49.3	3,030
September	662	33	15	22.1	1,310
Water year 1934-35	24,787	360	11	67.9	49,140

*Discharge measurement.

Lake Fork near Myton, Utah

Location.- Staff gage, lat. 40°13', long. 110°7', in sec. 21, T. 3 S., R. 2 W. Uinta meridian, at highway bridge half a mile above mouth and 3½ miles northwest of Myton.

Drainage area.- 468 square miles.

Records available.- July 1900 to December 1903, June 1907 to September 1935.

Average discharge.- 26 years (1908-10, 1911-35), 157 second-feet.

Extremes.- Maximum discharge observed during year, 1,950 second-feet June 14 (gage height, 6.52 feet); no flow for several days in October.
1900-1903, 1907-35: Maximum discharge, 5,600 second-feet Nov. 24, 1927 (caused by failure of Fornsworth Reservoir); no flow for periods in 1916, 1931, and 1934.

Remarks.- Records fair. Stage-discharge relation affected by ice Nov. 30 to Feb. 28 and Mar. 6; discharge estimated. Diversions for irrigation above station.

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

0.9	0	2.6	209
1.0	1	3.0	321
1.1	3	3.5	495
1.2	7	4.0	695
1.4	18	4.5	920
1.6	34	5.0	1,160
1.8	56	5.5	1,410
2.0	86	6.0	1,660
2.3	143	6.5	1,940

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	2				19	4	10	25	26	8	*22
2	0	2				24	5	11	*27	36	14	24
3	0	3				*20	6	13	29	45	14	24
4	0	*2				20	5	15	41	39	*15	26
5	0	2				19	5	*12	84	57	16	19
6	0	3				*19	4	8	175	46	18	19
7	*0	2				19	*4	7	234	*36	22	27
8	0	3				24	5	8	575	26	17	*20
9	0	2				19	4	6	*900	13	14	19
10	1	3				*19	5	9	1,240	16	17	18
11	0	*4				19	4	7	1,520	13	*17	22
12	0	4				18	4	*8	1,460	17	17	25
13	0	5				25	4	8	1,780	12	18	19
14	*1	3				24	*4	9	1,950	*12	13	18
15	1	5				19	5	10	1,540	13	16	*16
16	1	4				18	*4	8	*1,000	11	19	13
17	0	5	†37			*18	5	11	503	18	20	11
18	1	*5				18	4	13	383	17	*20	7
19	1	5				17	5	*12	338	12	19	5
20	2	6				13	4	12	293	16	29	3
21	*1	7				13	*4	14	284	*16	26	1
22	1	10				14	5	18	256	15	25	*2
23	1	7				7	5	13	*150	16	27	3
24	1	10				*7	6	13	76	13	33	3
25	1	*10				7	4	20	66	12	*30	4
26	1	11				6	5	*20	54	11	27	3
27	3	10				13	4	19	43	8	25	4
28	*2	24				8	*4	20	32	*10	19	3
29	1	24				6	5	24	27	12	25	*4
30	2	*25				5	6	22	*26	11	19	4
31	1	-				*5	-	24	-	13	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	23	3	0	0.7	46
November	208	25	2	6.9	413
December	1,085	-	-	35	2,150
Calendar year 1934	3,764	-	0	10.3	7,460
January	930	-	-	30	1,840
February	700	-	-	25	1,390
March	482	25	5	15.5	956
April	138	6	4	4.6	274
May	404	24	6	13.0	801
June	15,111	1,950	25	504	29,970
July	618	57	8	19.9	1,230
August	620	33	8	20.0	1,230
September	388	27	1	12.9	770
Water year 1934-35	20,707	1,950	0	56.7	41,070

*Estimated.
†Discharge measurement.

Uinta River near Neola, Utah

Location.- Water-stage recorder, lat. 40°32', long. 110°4', in SW¼ sec. 25, T. 2 N., R. 2 W. Uinta meridian, 100 feet below bridge, 1 mile above mouth of Pole Creek, and 7 miles north of Neola.

Drainage area.- 181 square miles.

Records available.- July 1921 to September 1927 (fragmentary); September 1929 to September 1935.

Extremes.- Maximum discharge during year, 1,320 second-feet June 10 (gage height, 2.75 feet); minimum not recorded.

1929-35: Maximum discharge, 1,390 second-feet May 21, 1932 (gage height, 2.80 feet); minimum not recorded.

Maximum discharge on June 7, 1922, exceeded 3,000 second-feet but was not determined because of unstable channel conditions.

Remarks.- Records fair. Discharge estimated for periods Oct. 3-5, Nov. 22 to May 9, July 23, Sept. 23-30. Water diverted from Pole Creek and used at Uinta Power & Light Co.'s power plant enters stream 500 feet above gage. Summer flow slightly regulated by storage in several small mountain lakes and reservoirs.

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

0.4	30	1.6	445
.6	58	1.8	580
.8	98	2.0	720
1.0	155	2.2	870
1.2	232	2.4	1,030
1.4	329	2.6	1,190

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	52							224	314	195	124
2	67	50							246	298	169	119
3	65	46							288	283	155	124
4	64	58							391	269	159	119
5	63	55						70	559	255	173	119
6	62	54							720	250	155	108
7	58	55							806	264	149	114
8	58	54							966	255	149	130
9	58	54							1,050	228	146	119
10	58	54						94	1,160	220	140	108
11	58	52						103	1,050	220	143	103
12	58	50						108	1,050	211	133	98
13	60	50						108	1,030	203	130	98
14	63	49						108	990	203	124	98
15	65	48						119	870	298	146	94
16	62	48						124	769	309	203	94
17	60	52						108	601	314	220	94
18	60	60	*53					103	580	309	199	94
19	60	58						98	608	314	173	89
20	58	58						94	643	309	166	89
21	58	56						94	573	340	155	85
22	60							119	559	314	149	85
23	56							149	552	300	155	
24	55							177	531	288	169	
25	55							191	484	220	149	
26	54	52						269	391	184	143	80
27	52							309	391	177	143	
28	56							329	385	184	143	
29	52							329	351	195	143	
30	52							278	368	220	136	
31	52	-						250	-	207	130	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,828	69	52	59.0	3,630
November	1,581	60	46	52.7	3,140
December	1,550	-	-	50	3,070
Calendar year 1934	25,736	195	-	70.5	51,040
January	1,395	-	-	45	2,770
February	1,260	-	-	45	2,500
March	1,550	-	-	50	3,070
April	1,650	-	-	55	3,270
May	4,291	329	-	138	8,510
June	19,186	1,160	224	640	38,050
July	7,955	340	177	257	15,780
August	4,842	220	124	156	9,600
September	2,945	130	-	98.2	5,840
Water year 1934-35	50,033	1,160	-	137	99,230

*Discharge measurement.

Whiterocks River near Whiterocks, Utah

Location.- Water-stage recorder, lat. 40°34', long, 109°56', in SW¼ sec. 18, T. 2 N., R. 1 E. Uinta meridian, 25 feet below bridge, three-quarters of a mile above heading of United States Whiterocks and Farm Creek Canals, and 6½ miles north of Whiterocks.

Drainage area.- 115 square miles.

Records available.- August 1921 to September 1928, February 1930 to September 1935. September 1899 to August 1904 and April 1907 to November 1910 near present site. November 1917 to June 1921 below diversion of United States Whiterocks Canal and above Farm Creek Canal; records comparable when used in conjunction with those for Whiterocks Canal.

Extremes.- Not recorded during year.
1917-28, 1930-35: Maximum discharge recorded, 2,750 second-feet June 21, 1922 (erroneous figure published in previous water-supply papers); minimum, less than 14 second-feet during winter 1920-21.

Remarks.- Records fair. Stage-discharge relation affected by ice Nov. 17 to Dec. 18 and Mar. 1-11. Flow slightly regulated by storage in small mountain lakes.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46	34					34	47	169	146	88	52
2	45	34					36	42	192	146	75	52
3	44	36					34	42	243	139	72	54
4	44	37					34	39	360	135	73	54
5	43	33					32	41	565	130	78	55
6	42	32				*32	30	44	*750	137	74	56
7	42	33					30	51	*850	137	*71	57
8	42	32			28		33	60	*1,050	135	*68	58
9	42	33					32	70	*1,200	128	*66	56
10	42	33					30	72	*1,300	124	*64	55
11	41	34		29			30	77	*1,200	118	*62	*55
12	41	33				34	32	83	*1,150	115	60	*54
13	41	33				36	36	73	*1,100	107	59	54
14	*41	34				37	39	70	*1,050	100	58	54
15	*41	34				35	43	67	930	98	67	54
16	*41	34				34	44	71	714	94	82	52
17	*42					36	40	72	517	99	83	51
18	*42		†29			35	36	68	435	99	72	51
19	*42					32	40	66	410	113	64	49
20	42					31	40	62	415	116	60	48
21	42					30	41	62	355	122	57	47
22	41				33	30	47	73	305	118	55	47
23	39	*33				30	50	93	273	109	58	47
24	38					28	44	115	258	104	64	48
25	37					28	42	151	221	98	57	51
26	37			33		29	42	212	192	94	54	48
27	37					30	45	250	178	92	53	45
28	35					30	47	239	172	88	52	45
29	34					31	49	228	164	92	52	45
30	33					33	45	198	156	96	51	45
31	35	-				33	-	169	-	100	52	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,254	46	33	40.5	2,490
November	1,001	37	-	33.4	1,990
December	992	-	-	*32	1,970
Calendar year 1934	15,657	167	-	42.9	31,080
January	930	-	-	*30	1,840
February	840	-	-	*30	1,670
March	994	-	-	32.1	1,970
April	1,157	50	30	38.6	2,290
May	3,007	250	39	97.0	5,960
June	16,874	1,300	156	562	33,470
July	3,529	146	88	114	7,000
August	2,001	68	51	64.5	3,970
September	1,539	58	45	51.3	3,050
Water year 1934-35	34,118	1,300	-	93.5	67,670

*Estimated.
†Discharge measurement.

White River near Meeker, Colo.

Location.- Water-stage recorder, lat. 40°2', long. 107°52', in sec. 30, T. 1 N., R. 93 W., 3½ miles east of Meeker and 1 mile above mouth of Curtis Creek.

Drainage area.- 762 square miles.

Records available.- May 1901 to October 1906, May 1910 to November 1913, October 1933 to September 1935 in reports of U. S. Geological Survey; May 1901 to October 1906, May 1910 to September 1935 in reports of State engineer. Records prior to Nov. 14, 1913, obtained 2½ miles downstream from present site.

Average discharge.- 30 years, 658 second-feet.

Extremes.- Maximum discharge during year, 3,450 second-feet June 16 (gage height, 3.68 feet); minimum mean daily discharge, 182 second-feet several days in February and March.

1901-6, 1910-35: Maximum daily discharge, 6,070 second-feet June 16, 1921; minimum mean daily discharge, 120 second-feet July 17, 1934.

Remarks.- Records good except those estimated for periods Apr. 5, 6, May 9, 10, and those for the period Dec. 1 to Feb. 15, which were estimated on the basis of one discharge measurement and temperature records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	282	273				260	268	422	1,460	1,330	304	327
2	277	282				269	273	388	1,290	1,220	293	299
3	277	277			240	269	310	375	1,300	1,120	288	282
4	258	293				236	316	369	1,420	1,020	288	293
5	254	288		*271		269	310	363	1,560	928	282	293
6	254	293				190	295	429	1,780	864	277	304
7	249	299				182	277	443	1,800	776	277	327
8	254	288			245	260	321	429	1,950	716	282	369
9	258	282				205	369	534	1,960	657	277	350
10	268	288				236	332	649	2,130	632	273	321
11	266	288				197	332	708	2,290	607	258	304
12	268	282				260	310	750	2,520	566	244	286
13	273	282			230	260	321	785	2,580	575	240	288
14	268	286				269	332	802	2,850	527	244	277
15	282	282				304	369	699	3,010	480	240	268
16	288	273			197	260	422	733	3,080	429	273	268
17	282	277			182	244	414	802	2,760	407	293	263
18	277	277			244	260	350	890	2,460	400	282	254
19	277	273			244	278	338	828	2,440	400	263	249
20	293	273			244	278	375	742	2,400	429	268	249
21	277	282			244	286	429	750	2,630	414	249	254
22	273	263			244	286	450	890	2,560	400	235	258
23	277	268			236	260	443	1,000	2,460	394	249	263
24	282	282			269	295	429	1,210	2,540	422	268	273
25	277	268			236	269	375	1,440	2,310	344	321	310
26	268	268			182	286	350	1,560	1,900	310	321	310
27	273	244			182	278	388	1,700	1,790	304	304	338
28	277	240			212	244	394	1,670	1,760	288	293	316
29	273	223			-	268	381	1,520	1,690	277	288	310
30	277	231			-	304	414	1,530	1,480	277	288	288
31	277	-			-	304	-	1,500	-	288	321	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,438	293	249	272	16,740
November	8,227	299	223	274	16,320
December	8,370	-	-	270	16,600
Calendar year 1934	116,104	1,080	112	318	230,300
January	7,750	-	-	250	15,370
February	6,491	-	-	232	12,870
March	8,086	304	182	261	16,040
April	10,687	450	268	356	21,200
May	26,910	1,700	363	868	53,380
June	64,160	3,080	1,290	2,139	127,300
July	17,801	1,330	277	574	35,310
August	8,583	321	235	277	17,020
September	8,793	369	249	293	17,440
Water year 1934-35	184,296	3,080	-	505	365,600

*Discharge measurement.

White River near Watson, Utah

Location.- Water-stage recorder, lat. 39°58', long. 109°10', in sec. 2, T. 10 S., R. 24 E. Salt Lake meridian, 10 miles northeast of Watson and just below mouth of Evacuation Creek.

Drainage area.- 4,020 square miles.

Records available.- April to October 1906 (designated near Dragon, Utah), October 1933 to September 1935 in reports of U. S. Geological Survey; April 1923 to September 1935 in reports of Colorado State engineer.

Extremes.- Maximum discharge during year, 3,370 second-feet Sept. 8 (gage height, 4.08 feet); minimum mean daily discharge, 150 second-feet Jan. 4.
1906, 1923-35: Maximum daily discharge, 8,160 second-feet July 15, 1929; minimum discharge, 52 second-feet July 19, 20, 1934.

Remarks.- Records fair. Estimates for periods Dec. 1 to Jan. 14, Jan. 20-28, Feb. 25 to Mar. 9, Mar. 17, based on one discharge measurement and temperature records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	323	264		350	386		328	509	1,880	1,250	352	260
2	314	264		250	360		319	542	1,710	1,130	273	273
3	304	264		190	355	370	305	535	1,500	1,020	291	278
4	295	282		150	346		323	476	1,360	938	260	260
5	286	278		220	337		342	458	1,400	856	269	248
6	282	291			342		346	447	1,500	800	256	248
7	278	286			310	350	337	464	1,720	696	260	664
8	282	300		270	342		332	516	1,840	624	273	1,290
9	282	295			402		342	516	1,970	572	295	472
10	278	291			447	337	424	542	2,000	524	278	401
11	273	286			435	319	386	682	2,140	498	260	379
12	286	295		340	396	342	346	800	2,220	485	236	374
13	278	295			370	386	319	868	2,330	460	216	357
14	278	291			351	658	319	954	2,420	436	228	342
15	273	295		391	323	766	323	990	2,650	418	282	328
16	286	300		435	337	732	342	902	2,880	395	593	318
17	282	295		464	332	550	391	902	3,190	379	479	309
18	286	295		429	319	342	429	981	2,930	379	454	304
19	286	300		370	351	351	402	1,140	2,390	466	286	300
20	291	323		310	402	376	370	1,200	2,250	558	278	295
21	295	304			516	370	376	1,060	2,220	454	273	286
22	282	295			674	328	407	999	2,400	368	278	286
23	273	300		350	522	332	464	1,080	2,400	352	269	291
24	273	291			458	332	522	1,210	2,300	328	273	300
25	273	300			330	319	550	1,420	2,330	318	333	323
26	269	300		405	200	323	516	1,680	2,160	304	284	328
27	269	273		410	220	328	490	1,930	1,770	278	304	390
28	264	264		420	260	337	470	2,020	1,620	240	347	363
29	260	240		424	-	319	458	2,230	1,520	224	269	368
30	260	244		435	-	310	470	1,940	1,400	286	252	363
31	264	-		407	-	323	-	1,840	-	260	248	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,725	323	260	281	17,310
November	8,601	323	240	287	17,060
December	10,075	-	-	325	19,980
Calendar year 1934	130,979	992	53	359	259,800
January	10,520	464	150	339	20,870
February	10,423	674	200	372	20,670
March	12,030	766	-	388	23,860
April	11,748	550	319	392	23,300
May	31,833	2,230	447	1,027	63,140
June	62,400	3,190	1,360	2,080	123,800
July	16,296	1,250	224	526	32,320
August	9,229	593	216	298	18,310
September	10,998	1,290	248	367	21,810
Water year 1934-35	202,878	3,190	150	556	402,400

Price River near Heiner, Utah

Location.- Water-stage recorder, lat. 39°43'5", long. 110°51'55", in SW¼ sec. 1, T. 13 S., R. 9 E., three-quarters of a mile below Willow Creek and two-thirds of a mile north of Heiner.

Records available.- June 1934 to September 1935.

Extremes.- Maximum discharge during year, 4,850 second-feet Aug. 26 (gage height, 6.16 feet); minimum recorded, 1 second-foot Nov. 10.
1934-35: Maximum discharge, that of Aug. 26, 1935; minimum, less than 1 second-foot Sept. 1-10, 1934.

Remarks.- Records good except those estimated for period of ice effect, Nov. 13 to Feb. 17, and those estimated Mar. 16-30 and Apr. 15-21, which are fair. Station is above irrigation diversions from the main stream. Several small irrigation and municipal diversions from tributaries above. Flow affected by storage in Pleasant Valley Reservoir on Fish Creek (capacity, 42,000 acre-feet).

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	5				14	27	97	174	243	114	51
2	3	6				14	27	84	164	237	102	60
3	3	5	*3	*2		11	29	74	166	225	99	78
4	4	5				9	27	67	164	200	102	81
5	3	4				12	27	66	158	197	99	84
6	3	4				14	22	78	178	200	84	89
7	3	3				14	25	81	186	203	73	90
8	3	3			8	16	31	104	192	203	72	92
9	3	2				15	30	122	197	211	99	93
10	3	2				14	24	131	205	208	116	93
11	4	2				15	24	138	217	211	116	95
12	4	2				17	24	135	237	208	114	93
13	3					76	30	147	237	214	112	87
14	3					124	39	147	225	208	104	87
15	3					99	45	149	225	211	156	87
16	3		*9			40	60	158	228	220	81	87
17	4				8	30	55	161	225	203	73	87
18	4				14	28	50	151	189	186	47	87
19	5				16	26	40	144	189	176	42	87
20	4			*4	18	24	50	144	189	168	47	87
21	4	3			20	22	70	142	186	161	61	87
22	4				22	20	101	151	211	140	64	87
23	4				21	22	99	171	217	133	78	87
24	4				14	24	79	200	214	76	57	87
25	5				17	26	73	205	211	133	39	66
26	5				13	30	67	189	208	147	169	64
27	5				17	24	73	211	222	166	37	63
28	5				17	22	81	231	231	164	33	44
29	5				-	24	91	192	252	164	31	43
30	5				-	26	110	192	246	142	29	35
31	5	-			-	28	-	178	-	116	38	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	119	5	3	3.8	236
November	97	6	-	3.2	192
December	124	-	-	4	246
Calendar year					
January	124	-	-	4	246
February	325	22	-	11.6	645
March	880	124	9	28.4	1,750
April	1,530	110	22	51.0	3,030
May	4,440	231	66	143	8,810
June	6,143	252	168	205	12,180
July	5,674	243	76	183	11,250
August	2,488	169	29	80.3	4,930
September	2,358	95	35	78.6	4,680
Water year 1934-35	24,302	252	-	66.6	48,200

*Discharge measurement.

Huntington Creek near Huntington, Utah

Location.- Water-stage recorder, lat. 39°22'15", long. 111°3'45", in SE¼ sec. 6, T. 17 S., R. 8 E., 1 mile above Fish Creek and 7 miles northwest of Huntington.

Drainage area.- 188 square miles.

Records available.- May 1909 to September 1917, October 1918 to November 1920 (fragmentary), April 1921 to September 1935.

Average discharge.- 20 years (1910-17, 1921-29, 1930-35), 99.8 second-feet.

Extremes.- Maximum discharge during year, 826 second-feet June 7 (gage height, 3.57 feet); minimum recorded, 7 second-feet Feb. 25 (gage height, 0.96 foot).
1909-35: Maximum discharge, about 2,500 second-feet Aug. 2 or 3, 1930 (gage height, 7.5 feet); probably no flow Nov. 5, 1928.

Remarks.- Records good except those estimated for periods Nov. 23 to Jan. 30, Feb. 17, Feb. 28 to Mar. 1, Apr. 25 to May 8, May 11-21, July 1-7, 20-26, July 29 to Aug. 8, which are fair. Stage-discharge relation affected by ice Nov. 23 to Jan. 30, Feb. 17, 26-28, Mar. 1. Small irrigation diversions above station. Flow slightly regulated by small storage reservoirs.

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

Table for Oct. 1 to June 7				Table for June 8 to Sept. 30			
1.2	20	2.2	161	1.2	23	2.2	166
1.4	35	2.4	211	1.4	39	2.4	214
1.6	57	2.6	272	1.6	61	2.6	273
1.8	85	3.0	443	1.8	90	3.0	443
2.0	119	3.4	695	2.0	125	3.4	695

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	21			24	25	29	85	301	140	96	36
2	21	21			23	26	32	80	348	135	94	29
3	24	18			21	26	31	75	403	133	92	28
4	24	23	*23	*29	26	24	32	70	460	132	90	27
5	22	24			26	21	29	70	530	131	88	26
6	21	24			25	19	28	70	599	130	86	28
7	23	23			24	33	27	100	653	130	84	28
8	22	22			24	26	29	125	606	129	82	29
9	21	22			24	22	29	158	625	120	80	27
10	21	22			22	27	27	160	606	153	80	27
11	21	22			18	26	26	150	566	145	76	26
12	21	23			26	26	27	150	554	139	72	26
13	20	21	*23		24	29	31	160	536	151	65	26
14	21	21			24	30	33	170	530	139	51	25
15	23	21			21	28	47	180	511	133	68	25
16	21	22			21	21	51	175	433	139	67	25
17	22	26			23	26	42	170	332	145	54	25
18	21	26			25	27	41	170	362	133	47	24
19	25	25		*23	24	29	58	170	362	137	37	24
20	23	22			25	26	65	200	352	132	34	24
21	24	23			25	25	72	250	312	128	33	24
22	24	19			22	26	82	286	294	124	48	24
23	22	20			24	24	73	362	276	120	54	24
24	21	20			24	26	58	380	258	116	45	26
25	21	20			16	27	55	482	209	112	37	28
26	21	21			20	29	60	511	175	110	54	26
27	21	21			22	28	70	482	171	107	37	25
28	21	21			24	27	80	465	166	139	35	25
29	21	22			-	29	90	375	147	110	32	25
30	21	22			-	30	90	357	145	100	31	25
31	21	-		25	-	29	-	301	-	98	29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	676	25	20	21.8	1,340
November	656	26	18	21.9	1,310
December	682	-	-	22	1,350
Calendar year 1934	12,761	132	17	35.0	25,310
January	713	-	-	23	1,410
February	647	26	16	23.1	1,280
March	817	33	19	26.4	1,620
April	1,444	90	26	48.1	2,860
May	6,939	511	70	224	13,760
June	11,822	653	145	394	23,450
July	3,990	153	98	129	7,910
August	1,878	96	29	60.6	3,720
September	787	36	24	26.2	1,560
Water year 1934-35	31,053	653	16	85.1	61,570

*Discharge measurement.

Cottonwood Creek near Orangeville, Utah

Location.- Water-stage recorder, lat. 39°15'55", long. 111°7'40", in SW¼ sec. 10, T. 18 S., R. 7 E., 2 miles upstream from Grimes Wash. and 5 miles northwest of Orangeville.

Drainage area.- 200 square miles.

Records available.- May 1909 to September 1927 (fragmentary); May 1932 to September 1935.

Average discharge.- 19 years (1910-20, 1921-27, 1932-35), 109 second-feet.

Extremes.- Maximum discharge during year not recorded; minimum recorded, 5 second-feet Feb. 3.

1909-27, 1932-35: Maximum discharge, about 2,500 second-feet Aug. 22, 1922, and Sept. 9, 1927; minimum recorded, 4 second-feet Jan 24, 1933.

Remarks.- Records good except those estimated, which are fair. Small diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 28 to Sept. 30)

Table for Oct. 1 to June 7				Table for June 8 to Sept. 30			
0.8	10	2.0	156	1.6	14	2.8	264
1.0	19	2.3	239	1.8	31	3.0	360
1.2	32	2.6	345	2.0	53	3.3	540
1.4	52	3.0	535	2.2	86	3.6	760
1.6	79	3.5	840	2.4	131	4.0	1,090
1.8	113	4.0	1,210	2.6	189	4.5	1,570

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	12			*13	*15	21	†65	296	220	†46	27
2	12	12			*13	15	23	†65	341	200	†44	26
3	12	11			*13	15	23	†60	435	180	†43	24
4	12	12	**14	**14	*14	14	24	†60	†600	164	†42	24
5	12	13			*14	13	21	†55	†800	153	†41	23
6	12	12			14	14	20	†60	†1,000	142	†40	23
7	12	13			14	21	18	†70	†1,200	131	†39	26
8	12	13			14	15	24	85	†1,400	121	†38	26
9	12	13			14	18	23	95	†1,600	112	37	25
10	12	13			13	21	19	95	†1,500	105	37	24
11	12	13		13	*13	18	19	99	1,490	99	37	23
12	12	14		13	14	18	19	89	1,460	92	33	22
13	12	13	**8		13	28	24	89	1,390	90	32	22
14	12	13			13	31	31	92	1,220	90	34	22
15	13	13		12	*13	21	†40	100	1,050	82	79	21
16	13	13			*14	16	†45	109	912	77	†50	21
17	13	14			*15	18	†40	104	784	146	†35	20
18	13	14			*16	16	†40	95	784	86	†33	20
19	14	14		**11	16	16	†45	92	832	84	†32	19
20	13	12			16	16	†50	85	864	77	†31	20
21	13	*12			16	14	†55	90	752	70	†30	20
22	13	*12			14	15	†55	127	662	66	†40	20
23	13	*12			14	14	†50	171	603	62	†50	20
24	12	*12			14	14	†45	198	501	59	†40	22
25	12	*12			14	16	†40	265	421	58	†30	23
26	12	*13			*14	20	†45	337	376	54	†50	21
27	12	*13			*14	18	†50	369	345	52	†36	20
28	12	*13			*14	†19	†55	361	304	115	34	20
29	12	*13			-	†20	†60	322	278	†60	29	20
30	12	*13			-	21	†70	322	252	†50	27	20
31	11	-			-	21	-	296	-	†48	31	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	381	14	11	12.3	756
November	382	14	11	12.7	758
December	403	-	-	*13	799
Calendar year 1934	11,574	-	-	31.7	22,950
January	403	-	-	*13	799
February	393	16	13	14.0	780
March	551	31	13	17.8	1,090
April	1,094	70	18	36.5	2,170
May	4,522	369	55	146	8,970
June	24,452	1,600	252	815	48,500
July	3,145	220	48	101	6,240
August	1,200	79	27	38.7	2,380
September	664	27	19	22.1	1,320
Water year 1934-35	37,590	1,600	-	103	74,560

*Estimated because of ice.
†Estimated.
**Discharge measurement.

San Juan River near Pagosa Springs, Colo.

Location.- Water-stage recorder, lat. 37°22'5", long. 106°53'40", in SE¼ sec. 12, T. 36 N., R. 1 W., at bridge a third of a mile above mouth of West Fork of San Juan River and 9.5 miles northeast of Pagosa Springs.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 1,480 second-feet June 14; maximum stage, 3.99 feet June 20; minimum daily discharge, 33 second-feet Sept. 19.

Remarks.- Records fair except those estimated, which are poor.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								*140	498	682	202	73
2								*120	526	658	180	67
3								*110	682	618	152	62
4								*110	778	603	207	57
5								*110	859	547	216	55
6								114	1,000	540	166	51
7								*150	1,090	547	190	61
8								198	1,110	554	148	69
9								214	1,210	547	183	54
10								304	1,210	505	155	48
11								435	1,170	491	178	46
12								477	1,080	505	152	42
13								491	1,120	456	126	39
14								400	1,140	442	114	37
15								358	1,120	442	105	37
16								388	1,030	358	97	36
17								407	1,020	352	90	35
18								388	1,010	364	84	34
19								364	1,060	428	76	33
20								400	1,140	421	70	34
21								370	1,150	376	68	35
22								382	1,050	364	94	35
23								435	1,000	328	80	35
24								498	985	316	96	42
25								642	913	304	72	48
26								786	868	298	82	74
27								658	913	275	101	82
28								596	868	250	92	60
29								642	770	280	96	50
30								603	746	*250	97	45
31								561	-	*270	82	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	11,851	786	110	382	23,510
June	29,116	1,210	498	971	57,750
July	13,371	682	250	431	26,520
August	3,853	218	68	124	7,540
September	1,476	82	33	49.2	2,930
The period					118,400

*Estimated.

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San Juan River at Pagosa Springs, Colo.

Location.- Water-stage recorder, lat. 37°15'55", long. 107°40", in S½ sec. 13, T. 35 N., R. 2 W., under lower highway bridge at Pagosa Springs. Prior to 1935 record was based on daily readings of staff gage. Records are comparable.

Records available.- January 1911 to November 1914, May to September 1935.

Extremes.- Maximum discharge during period, 4,710 second-feet June 15 (gage height, 6.72 feet); minimum daily discharge, 94 second-feet Sept. 20.
1911-14, 1935: Maximum discharge, that of June 15, 1935; maximum observed stage, 7.5 feet June 2, 1914, former site and datum; minimum daily discharge, 75 second-feet Feb. 21, 1912.

Remarks.- Records good except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	1,410	2,320	546	294
2								-	1,380	2,230	480	252
3								-	1,540	2,070	*450	226
4								-	1,850	2,070	*470	199
5								-	2,070	1,920	*460	186
6								-	2,490	1,850	*420	169
7								-	2,670	1,850	*390	167
8								-	2,950	1,850	*370	249
9								-	3,150	1,780	403	218
10								-	3,780	1,750	381	186
11								-	3,780	1,640	385	164
12								-	3,670	1,560	390	149
13								1,550	3,670	1,470	349	134
14								*1,350	3,670	1,340	298	122
15								*1,200	4,120	1,300	267	118
16								*1,250	4,000	1,130	261	116
17								*1,300	3,350	1,070	261	112
18								*1,200	3,250	1,040	232	107
19								*1,200	3,250	1,140	207	99
20								*1.300	*3,600	1,040	186	94
21								1,240	3,890	992	174	99
22								1,220	3,560	952	209	101
23								1,270	3,350	848	199	105
24								1,310	3,460	770	226	110
25								1,510	3,050	688	191	136
26								1,740	2,950	640	234	199
27								1,720	2,950	580	294	252
28								1,600	2,760	563	252	218
29								1,550	2,490	590	264	172
30								1,680	2,490	541	381	140
31								1,560	-	612	365	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 13-31	26,750	1,740	1,200	1,408	53,060
June	90,600	4,120	1,380	3,020	179,700
July	40,196	2,320	541	1,297	79,730
August	9,995	546	174	322	19,820
September	4,893	294	94	163	9,710
The period					342,000

*Estimated.

San Juan River at Rosa, N. Mex.

Location.- Water-stage recorder, lat. 37°21", long. 107°24'10", in sec. 21, T. 32 N., R. 5 W., at Rosa, about 300 yards above highway bridge and a quarter of a mile below mouth of Piedra River.

Drainage area.- 1,990 square miles.

Records available.- October 1930 to September 1935 in reports of U. S. Geological Survey; September 1920 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, about 10,400 second-feet June 21 (gage height, 7.80 feet); minimum daily discharge, estimated, 70 second-feet Dec. 1, 2.
1930-35: Maximum discharge, that of June 21, 1935; minimum daily discharge, that of Dec. 1, 2, 1934.

Remarks.- Records fair except those estimated, which are poor. Stage-discharge relation affected by ice Nov. 27, 29, 30, Dec. 1, 2, 4, 6-27, 30, 31, Jan. 1-5, 8, 13, 16-31, Feb. 1-5, 16-18, 26-28. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	230	102	*70	*110	*240	240	1,960	2,060	*4,100	4,900	1,260	756
2	210	128	*70	*110	*230	324	2,240	1,650	*3,800	4,500	1,250	756
3	200	156	76	*120	*230	462	2,640	1,630	*4,000	4,400	1,030	640
4	192	124	*100	*110	*230	348	2,810	1,510	*5,000	4,400	1,110	560
5	176	132	114	*140	*240	300	2,360	1,630	*5,800	4,220	1,520	553
6	164	132	*105	164	270	255	2,130	1,520	6,760	3,930	1,210	490
7	156	136	*105	156	290	250	1,650	1,540	7,000	4,120	1,220	490
8	144	144	*100	*140	290	255	2,600	1,810	7,250	4,020	990	810
9	140	136	*95	120	265	240	3,460	2,140	7,500	3,930	1,060	656
10	132	136	*100	128	245	235	1,700	2,460	8,000	3,840	1,160	525
11	128	132	*110	132	245	240	1,560	3,180	8,510	3,560	910	462
12	128	128	*120	148	235	230	1,810	3,660	7,740	3,380	1,220	414
13	148	128	*140	*140	220	324	2,060	4,580	7,980	3,290	1,000	384
14	152	124	*160	136	215	614	2,720	4,480	7,970	3,200	846	360
15	144	117	*150	160	205	796	3,860	4,060	8,710	3,030	747	336
16	144	111	*140	*140	*180	638	3,960	3,560	8,700	2,390	712	318
17	144	124	*130	*110	*150	558	4,060	4,160	7,020	2,170	720	295
18	136	144	*120	*80	*190	494	3,460	3,960	6,570	2,240	656	280
19	140	148	*120	*80	230	534	4,060	4,600	6,580	2,780	584	265
20	136	160	*130	*90	245	566	3,960	7,750	7,020	2,540	518	250
21	132	152	*130	*100	330	590	3,560	7,000	7,250	2,320	497	246
22	124	140	*140	*110	416	715	3,660	*5,000	7,250	2,390	546	246
23	117	128	*140	*130	367	715	3,360	*4,000	6,360	2,070	680	241
24	111	117	*130	*160	330	841	3,960	*4,100	6,800	1,790	792	246
25	111	124	*130	*200	275	660	2,640	*4,500	6,140	1,560	738	360
26	108	102	*130	*190	*250	1,030	2,060	*5,100	5,930	1,370	747	584
27	108	*100	*140	*190	*230	1,230	2,160	*5,400	5,930	1,260	1,090	2,780
28	105	108	164	*180	*220	1,180	2,350	*5,200	5,720	1,220	900	1,600
29	105	*100	152	*210	-	1,260	2,280	*4,900	5,000	1,230	810	704
30	105	*95	*140	*230	-	1,650	2,460	*5,000	5,100	1,290	1,180	525
31	99	-	*120	*230	-	2,100	-	*4,700	-	1,210	1,100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,369	230	99	141	8,670
November	3,808	160	95	127	7,550
December	3,773	164	70	122	7,480
Calendar year 1934	149,274	3,320	70	409	296,100
January	4,444	230	60	143	8,810
February	7,063	416	150	252	14,010
March	20,094	2,100	230	648	39,860
April	83,570	4,060	1,560	2,786	165,800
May	117,040	7,750	1,510	3,775	232,100
June	197,490	8,710	3,800	6,583	391,700
July	88,550	4,900	1,210	2,856	175,600
August	28,803	1,520	497	929	57,130
September	17,132	2,780	241	571	33,980
Water year 1934-35	576,136	8,710	70	1,578	1,143,000

*Estimated.

San Juan River near Blanco, N. Mex.

Location.- Water-stage recorder, lat. 36°44', long. 107°49', in sec. 18, T. 29 N., R. 9 W., half a mile above highway bridge, 1 mile above mouth of Canyon Largo, and 1 1/2 miles east of Blanco.

Drainage area.- 3,320 square miles.

Records available.- December 1908 to October 1910, October 1930 to September 1935 in reports of U. S. Geological Survey; December 1908 to October 1910, June 1927 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge, about 17,700 second-feet Sept. 27; maximum stage, 7.16 feet June 16; minimum daily discharge, estimated, 80 second-feet Oct. 28-31.
1930-35: Maximum discharge, that of Sept. 27, 1935; maximum stage, 7.65 feet Aug. 21, 1932; minimum daily discharge, 23 second-feet July 7, 1934.

Remarks.- Records good except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*270	*85	*100	149	404	239	2,510	2,970	5,410	5,600	1,430	1,200
2	*240	*110	*100	124	398	325	2,730	2,620	5,060	5,060	1,710	1,070
3	*220	124	*110	149	386	590	3,000	2,430	5,410	4,900	1,390	944
4	*200	132	*180	127	386	773	3,230	2,450	6,800	4,900	1,340	773
5	*180	116	*210	174	386	459	2,930	2,370	7,930	4,580	2,080	694
6	*160	111	*180	231	417	315	2,750	2,310	8,930	4,280	1,650	622
7	*150	106	*160	198	452	239	2,230	2,310	9,990	4,280	1,460	654
8	*135	121	*160	168	508	239	2,190	2,430	10,300	4,280	1,430	840
9	*125	155	*160	190	466	255	4,580	2,840	10,300	4,130	1,390	1,120
10	*115	118	*160	152	392	247	2,600	3,110	11,100	4,000	1,520	830
11	*110	116	*170	155	335	251	1,990	3,600	12,400	3,860	1,200	670
12	*110	*160	*190	201	320	247	2,040	4,130	11,700	3,600	1,270	566
13	*115	*155	*210	215	310	273	2,370	5,410	11,100	3,600	1,250	501
14	*120	*150	*240	174	296	702	2,970	6,170	11,700	3,600	1,070	438
15	*130	*140	255	204	286	1,220	4.000	5,240	13,300	3,230	911	404
16	*130	*150	264	239	255	922	4,280	4,580	14,700	2,880	810	380
17	*120	*160	255	187	212	678	4,580	4,730	10,800	2,490	791	356
18	*110	*170	204	98	204	598	4,000	4,730	9,190	2,510	900	335
19	98	*180	187	98	239	582	5,060	5,410	9,450	2,810	755	320
20	96	*190	158	118	286	710	4,900	8,630	10,300	3,040	606	305
21	*95	*180	174	143	473	728	4,280	11,700	11,100	2,860	529	286
22	*95	*170	168	187	646	840	4,130	6,580	11,100	2,770	529	282
23	*90	*160	184	204	582	890	3,860	5,410	9,450	2,580	710	278
24	*90	146	174	255	480	870	4,130	5,600	9,720	2,170	1,080	291
25	*85	*140	171	345	410	1,250	3,860	5,980	8,930	1,830	1,440	494
26	*85	*140	158	310	325	1,170	2,930	7,010	7,930	1,610	1,060	819
27	*85	*130	161	310	278	1,420	2,730	7,240	7,460	1,420	1,360	7,220
28	*80	*130	190	296	235	1,540	3,000	6,800	7,240	1,370	1,480	5,510
29	*80	124	231	330	-	1,550	3,090	6,580	6,380	1,460	1,180	1,290
30	*80	110	223	386	-	2,020	3,110	6,580	5,980	1,710	1,580	1,070
31	*80	-	168	386	-	2,600	-	6,380	-	1,440	1,800	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,879	270	80	125	7,690
November	4,181	190	85	139	8,290
December	5,655	264	100	182	11,220
Calendar year 1934	163,158	2,430	23	447	323,600
January	6,503	386	98	210	12,900
February	10,367	646	204	370	20,560
March	24,742	2,600	239	798	49,080
April	100,060	5,060	1,990	3,335	198,500
May	154,330	11,700	2,310	4,978	306,100
June	281,160	14,700	5,060	9,372	557,700
July	98,850	5,600	1,370	3,189	196,100
August	37,711	2,080	529	1,216	74,800
September	30,562	7,220	278	1,019	60,620
Water year 1934-35	758,000	14,700	80	2,077	1,504,000

*Estimated.

San Juan River at Farmington, N. Mex.

Location.- Water-stage recorder, lat. 36°43', long. 108°13', in NE¼NE¼ sec. 20, T. 29 N., R. 13 W., 1,900 feet below mouth of Animas River and 1 mile southwest of Farmington.

Drainage area.- 6,580 square miles.

Records available.- June 1904 to September 1906, September 1912 to December 1914, October 1930 to September 1935 in reports of U. S. Geological Survey; September 1912 to July 1918, November 1921 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, about 32,800 second-feet Sept. 28 (gage height, estimated, 8.0 feet); minimum daily discharge, 112 second-feet Jan. 21.
1930-35: Maximum discharge and stage, those of Sept. 28, 1935; minimum daily discharge, estimated, 30 second-feet Sept. 1, 1931, July 6, 7, 1934.

Remarks.- Records fair except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	716	220	237	370	683	544	4,310	4,530	8,940	8,470	2,500	2,570
2	650	259	226	335	694	661	4,340	3,960	7,560	8,010	2,570	1,890
3	578	*240	328	328	661	922	4,670	3,690	7,560	7,730	2,390	1,660
4	528	*260	450	335	694	1,110	4,980	3,720	9,920	7,560	2,430	1,380
5	496	*290	472	384	683	820	4,240	5,450	11,800	7,130	2,770	1,190
6	458	*310	420	398	694	808	3,840	3,540	13,500	6,710	2,640	1,060
7	428	*320	363	*390	705	683	3,250	3,540	15,900	6,510	2,690	1,010
8	391	*340	363	391	772	650	2,870	3,660	17,800	6,710	2,640	1,170
9	356	*370	391	450	796	683	5,120	4,240	18,200	6,310	2,670	1,610
10	322	*310	363	*400	705	683	3,990	4,810	18,200	6,310	2,790	1,380
11	309	*270	370	*420	578	683	2,570	5,550	17,800	6,310	2,410	1,160
12	302	*320	420	*450	623	705	2,460	6,510	18,800	5,740	2,010	978
13	296	*380	472	*440	560	760	2,840	6,710	17,200	5,550	2,280	866
14	290	*350	504	435	544	1,110	3,660	8,240	16,900	5,550	2,010	832
15	296	*330	536	*420	520	1,550	4,980	7,560	18,200	5,550	1,550	820
16	302	*350	578	*430	472	1,700	6,120	6,920	20,200	5,550	1,400	772
17	316	*360	560	*550	412	1,300	6,120	6,710	17,800	4,740	1,500	727
18	316	*400	435	328	420	1,230	5,550	7,130	13,200	4,700	1,640	650
19	328	*410	428	316	435	1,300	6,120	7,340	12,900	4,880	1,540	614
20	316	*380	384	205	480	1,350	6,310	8,700	14,100	5,190	1,190	587
21	309	*420	405	112	650	1,300	5,740	12,000	15,600	4,840	922	569
22	322	*400	420	248	641	1,470	5,550	9,180	15,600	4,370	820	544
23	302	*410	428	442	749	1,380	5,550	7,780	14,100	4,150	1,120	536
24	290	342	435	435	694	1,660	5,370	8,240	13,200	3,480	2,130	596
25	302	328	405	536	641	2,030	5,550	9,180	12,900	3,080	2,740	1,540
26	309	335	391	569	552	1,950	4,150	9,420	11,500	2,820	2,370	1,330
27	290	290	363	552	536	2,070	3,750	10,700	10,700	2,460	1,910	4,820
28	215	342	398	578	528	2,370	4,180	10,400	10,200	2,070	2,390	*14,500
29	232	309	*500	641	-	2,480	4,530	10,200	9,180	2,260	2,050	3,280
30	220	264	480	683	-	2,770	4,600	10,200	8,470	2,720	2,010	2,480
31	232	-	428	650	-	3,690	-	10,200	-	2,320	2,670	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,017	716	215	355	21,850
November	9,909	420	220	330	19,650
December	12,953	578	226	418	25,690
Calendar year 1934	287,211	4,930	30	787	569,700
January	13,221	683	112	426	26,220
February	17,122	796	412	612	33,960
March	42,422	3,690	544	1,368	84,140
April	137,310	6,310	2,460	4,577	272,400
May	218,010	12,000	3,450	7,033	432,400
June	417,930	20,200	7,560	13,930	829,000
July	159,830	8,470	2,070	5,156	317,000
August	64,752	2,790	820	2,089	128,400
September	53,123	14,500	536	1,771	105,400
Water year 1934-35	1,157,599	20,200	112	3,172	2,296,000

*Estimated.

San Juan River at Shiprock, N. Mex.

Location.- Water-stage recorder, lat. 36°47', long. 108°44', in about sec. 22, T. 30 N., R. 18 W., 3 miles northwest of Shiprock and about 6 miles below mouth of Chaco River.

Records available.- January to October 1911, October 1930 to September 1931, October 1932 to September 1935 in reports of U. S. Geological Survey; January to October 1911, November 1915 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, about 44,200 second-feet Sept. 28 (gage height, 7.90 feet, from high water marks); minimum daily, 174 second-feet Oct. 29 and 31.

1930-31, 1932-35: Maximum discharge, that of Sept. 28, 1935; minimum daily discharge, estimated, 10 second-feet July 2-7, 1934.

Stage of about 6.5 feet, former site and datum, occurred Aug. 11, 1929 (discharge, about 80,000 second-feet). A greater discharge probably occurred Oct. 6, 1911, when stage of 22.0 feet on old gage (datum unknown) was recorded.

Remarks.- Records poor. Stage-discharge relation affected by ice Dec. 6-17, Jan. 21-31, Feb. 14-18. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*750	198	260	450	858	506	4,280	4,420	8,060	11,200	1,930	1,970
2	*700	250	260	402	750	606	4,260	3,880	6,370	10,300	2,320	1,420
3	*650	230	300	366	804	857	4,520	3,400	6,260	9,320	2,010	1,600
4	*600	260	342	562	750	1,010	5,950	3,660	8,420	9,020	2,440	1,240
5	*550	320	492	438	822	1,130	6,050	2,930	10,600	8,420	2,930	972
6	*500	354	*450	576	990	960	5,050	2,970	14,400	7,330	3,100	838
7	*450	378	*400	606	1,280	1,020	4,150	2,680	16,200	6,470	2,760	938
8	*400	390	*390	402	1,260	987	3,230	2,680	15,900	6,680	3,100	1,420
9	*400	402	*400	270	1,030	976	5,290	3,610	16,200	6,260	4,760	1,420
10	*350	354	*390	438	930	860	4,900	4,380	17,000	6,000	3,360	1,210
11	*330	310	*400	478	804	1,040	2,050	4,760	17,300	6,110	2,850	806
12	*320	354	*450	576	768	871	1,600	6,470	19,200	5,750	2,560	904
13	*310	426	*500	390	786	727	2,280	6,950	17,700	5,340	2,680	904
14	*300	390	*550	478	*750	679	3,060	7,720	16,600	4,950	2,480	742
15	*310	366	*600	438	*700	1,660	5,800	7,610	18,400	5,150	*2,000	742
16	*320	390	*640	450	*600	1,970	6,890	6,260	22,100	4,900	*1,600	838
17	342	390	*620	606	*550	1,510	6,840	5,390	21,400	3,660	1,670	938
18	330	450	590	590	*650	1,060	7,000	6,420	12,600	3,180	1,520	646
19	390	464	464	390	876	1,190	7,330	6,370	12,600	3,270	1,740	526
20	354	426	414	354	1,050	1,160	7,550	7,280	14,400	4,150	1,670	430
21	310	492	330	*250	1,150	1,330	7,280	12,600	17,300	3,830	1,460	358
22	300	438	438	*300	1,420	1,550	6,890	9,020	17,700	3,480	1,380	273
23	280	464	320	*450	1,200	1,610	6,680	6,790	15,900	3,310	1,490	273
24	280	390	506	*500	1,070	1,520	6,060	6,950	13,300	2,480	2,520	2,000
25	240	390	478	*600	1,050	1,920	6,790	7,380	13,700	2,050	2,890	5,440
26	230	402	438	*700	786	2,170	4,190	9,020	13,300	1,780	2,720	*1,900
27	206	342	366	*650	638	1,960	3,920	9,940	12,600	1,710	1,860	*6,890
28	190	342	426	*700	506	2,220	4,010	9,630	12,600	1,630	2,850	*32,700
29	174	310	548	*750	-	2,040	4,290	9,320	11,900	1,490	1,820	13,300
30	198	290	520	*800	-	2,040	4,100	9,020	10,600	2,280	1,820	7,720
31	174	-	606	*800	-	2,960	-	9,630	-	2,090	2,930	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,238	750	174	363	22,290
November	10,952	492	198	365	21,720
December	13,888	640	260	448	27,550
Calendar year 1934	337,963	-	-	926	670,300
January	15,760	800	250	508	31,260
February	24,828	1,420	506	887	49,250
March	42,319	2,960	506	1,365	83,940
April	152,290	7,550	1,600	5,076	302,100
May	199,140	12,600	2,680	6,424	395,000
June	430,610	22,100	6,260	14,350	854,100
July	153,590	11,200	1,490	4,955	304,600
August	73,220	4,760	1,380	2,362	145,200
September	91,358	32,700	273	3,045	181,200
Water year 1934-35	1,219,193	32,700	174	3,340	2,418,000

*Estimated.

San Juan River near Bluff, Utah

Location.- Water-stage recorder, lat. 37°9', long. 109°52', in SE¼ sec. 7, T. 42 S., R. 19 E., 1,600 feet (revised) below Gypsum Wash, 1,800 feet above bridge, and 20 miles southwest of Bluff.

Drainage area.- 24,000 square miles.

Records available.- October 1914 to September 1917, March 1927 to September 1935.

Extremes.- Maximum discharge during year, 23,800 second-feet Sept. 28 (gage height, 17.9 feet); minimum not recorded.
1915-17, 1927-35: Maximum discharge, about 70,000 second-feet Sept. 10, 1927 (gage height, 32.0 feet); no flow July 3-13, 1934.

Remarks.- Records good except those for October to March, which are fair. Discharge estimated Nov. 2, Dec. 4-9, Jan. 21-27. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	850	160	316	513	948	619	3,120	4,080	8,780	8,590	2,610	2,730
2	720	125	290	464	1,060	547	3,520	4,230	7,860	8,400	2,080	2,550
3	619	135	115	410	1,060	681	3,380	4,230	6,800	7,860	2,370	1,770
4	547	166	100	348	1,000	996	3,660	3,660	6,970	7,320	1,980	1,720
5	474	285	125	344	910	1,220	4,230	3,660	8,780	7,140	2,140	1,400
6	425	203	175	425	888	1,300	4,080	3,120	10,100	6,800	2,610	1,100
7	420	308	150	366	910	1,020	3,660	3,120	11,500	6,290	2,670	1,060
8	385	265	200	513	1,020	835	3,380	3,060	13,300	5,960	2,310	1,670
9	344	303	250	583	1,140	700	3,180	3,060	14,100	5,960	2,800	1,440
10	334	316	316	571	1,060	741	4.680	3,380	14,900	5,800	3,520	1,480
11	290	290	339	565	980	748	4,380	3,940	15,500	5,640	2,550	1,620
12	269	334	312	1,400	902	625	2,800	4,530	16,500	5,640	2,080	1,260
13	245	285	375	1,140	835	688	2,490	5,320	17,100	5,000	1,670	1,060
14	257	321	762	1,000	925	755	2,670	6,120	16,100	4,840	1,770	918
15	217	303	964	1,300	880	835	3,380	7,500	15,700	4,680	1,720	842
16	228	312	1,060	1,020	842	1,480	4,530	6,970	17,300	4,530	1,670	727
17	308	366	828	1,100	755	1,870	5,480	6,460	18,500	4,380	2,250	681
18	326	469	707	776	655	1,620	5,960	5,960	15,500	3,660	1,440	694
19	261	410	655	613	553	1,400	5,800	6,460	12,300	5,800	1,440	619
20	294	464	565	273	508	1,260	6,120	6,120	12,500	3,940	1,530	530
21	344	486	547	100	571	1,180	5,800	7,140	13,700	4,230	1,220	474
22	334	458	425	100	734	1,260	5,480	11,300	14,900	4,080	964	486
23	326	508	405	150	1,020	1,260	5,320	8,590	14,900	3,660	860	452
24	334	442	464	200	1,260	1,400	5,320	7,140	13,300	3,660	1,220	559
25	298	474	447	300	1,220	1,440	5,000	6,970	12,700	3,120	2,140	3,940
26	277	415	458	300	918	1,480	5,160	7,680	12,700	2,550	2,920	6,460
27	273	415	464	700	872	1,820	3,940	8,590	11,100	2,250	2,920	3,520
28	269	474	442	932	714	1,820	3,520	9,160	10,500	1,980	2,200	9,920
29	249	385	380	1,820	-	2,200	3,800	9,160	10,100	1,820	2,550	12,500
30	238	464	420	918	-	2,310	4,080	8,970	9,350	2,080	2,030	3,800
31	192	-	513	988	-	2,370	-	8,590	-	2,730	1,870	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,967	850	192	354	21,750
November	10,341	508	125	345	20,510
December	13,569	1,060	100	438	26,910
Calendar year 1934	279,357	4,920	0	765	554,100
January	20,232	1,820	100	653	40,130
February	25,140	1,260	50e	898	49,860
March	38,480	2,370	547	1,241	76,320
April	127,920	6,120	2,490	4,264	253,700
May	188,270	11,300	3,060	6,073	373,400
June	383,340	18,500	6,800	12,780	760,300
July	150,390	8,590	1,820	4,851	298,300
August	64,124	3,520	880	2,069	127,200
September	67,982	12,500	452	2,266	134,800
Water year 1934-35	1,100,755	18,500	100	3,016	2,183,000

West Fork of San Juan River near Pagosa Springs, Colo.

Location.- Water-stage recorder, lat. 37°22'30", long. 106°53'45", in NE¼ sec. 12, T. 36 N., R. 1 W., on downstream side of highway bridge 0.6 mile above mouth and 10 miles northeast of Pagosa Springs.

Records available.- April to September 1935.

Extremes.- Maximum discharge during period, about 2,250 second-feet June 15 (gage height, 6.23 feet); minimum daily discharge, 42 second-feet Sept. 23.

Remarks.- Records good except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	*180	398	990	238	107
2							-	*170	430	965	203	101
3							-	150	580	990	188	90
4							-	*140	728	990	199	83
5							-	138	865	890	194	80
6							-	154	990	865	177	77
7							-	175	1,160	965	154	95
8							-	201	1,270	965	148	105
9							-	214	1,390	890	162	86
10							-	240	1,450	865	144	76
11							-	302	1,580	818	142	64
12							-	353	1,450	772	148	64
13							-	434	1,420	682	132	61
14							-	350	1,580	640	117	58
15							-	319	1,790	600	107	55
16							-	334	1,580	493	105	52
17							-	350	1,180	458	107	50
18							-	322	1,180	486	95	49
19							-	322	1,350	580	87	47
20							-	375	1,480	454	81	46
21							-	319	1,580	423	79	46
22							-	346	1,580	*420	83	45
23							-	392	*1,490	*340	86	42
24							-	416	*1,540	331	100	46
25							-	490	*1,440	299	92	54
26							166	580	*1,390	275	136	61
27							*170	580	*1,360	265	134	68
28							*180	560	1,180	248	119	58
29							*190	540	1,070	258	132	54
30							*200	540	1,100	240	134	49
31							-	476	-	291	116	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 26-30	906	200	166	181	1,800
May	10,462	580	138	337	20,750
June	37,551	1,790	398	1,252	74,480
July	18,748	990	240	605	37,190
August	4,139	238	79	134	8,210
September	1,969	107	42	65.6	3,910
The period					146,300

*Estimated.

Rio Blanco near Pagosa Springs, Colo.

Location.- Water-stage recorder, lat. 37°12'45", long. 106°47'40", in center of sec. 1, T. 34 N., R. 1 E., at highway bridge 0.4 mile above mouth of White Creek and 12.5 miles southeast of Pagosa Springs.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 1,230 second-feet June 13; maximum stage, 3.75 feet July 14; minimum daily discharge, 22 second-feet Sept. 22, 23.

Remarks.- Records fair except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	370	458	165	106
2								-	405	430	108	81
3								-	498	405	84	68
4								-	638	400	129	62
5								-	546	370	222	55
6								-	618	360	195	49
7								-	698	360	191	*65
8								-	684	355	143	73
9								-	684	345	188	53
10								-	892	355	135	45
11								-	900	325	254	41
12								-	820	320	146	34
13								-	876	252	116	31
14								-	892	332	98	31
15								-	909	264	90	28
16								-	748	191	79	28
17								-	677	188	73	26
18								-	691	307	66	26
19								-	708	*350	60	24
20								-	804	316	51	23
21								-	740	264	51	23
22								-	664	244	103	22
23								-	719	219	70	22
24								*350	719	194	79	36
25								380	631	167	55	58
26								400	566	137	66	164
27								420	579	129	86	222
28								425	560	143	93	146
29								464	540	149	168	108
30								458	528	140	137	88
31								410	-	129	108	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 24-31	3,307	464	350	413	6,560
June	20,384	909	370	679	40,430
July	8,598	458	129	277	17,050
August	3,609	254	51	116	7,160
September	1,838	222	22	61.3	3,650
The period					74,850

*Estimated.

Rito Blanco near Pagosa Springs, Colo.

Location.- Water-stage recorder, lat. 37°11'40", long. 106°54'20", in SW¼ sec. 12, T. 34 N., R. 1 W., at road crossing 0.1 of a mile above Sheep Cabin Creek and 7¾ miles southeast of Pagosa Springs.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 310 second-feet June 9 (gage height, 2.87 feet); minimum daily discharge, 1.0 second-foot Sept. 23, 24.

Remarks.- Records fair except those estimated, which are poor.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								*50	109	66	8.5	4.1
2								*45	111	58	6.8	4.1
3								*40	135	54	4.8	3.6
4								*40	165	54	12	3.4
5								*40	168	49	15	3.2
6								*40	181	45	11	2.9
7								*40	203	44	12	3.6
8								*45	224	42	9.5	5.4
9								57	265	41	10	3.6
10								61	254	39	8.2	3.6
11								86	242	36	13	3.4
12								92	224	30	17	2.6
13								109	220	23	15	2.2
14								90	213	22	13	2.2
15								79	224	21	12	2.0
16								80	190	17	10	1.8
17								98	159	17	9.0	1.5
18								96	151	19	7.4	1.4
19								125	151	24	6.0	1.4
20								157	159	30	2.9	1.2
21								118	151	24	2.7	1.2
22								103	148	20	4.5	1.1
23								107	*140	19	3.8	1.0
24								111	*130	17	4.1	1.0
25								123	116	15	3.2	2.4
26								133	105	15	2.9	6.0
27								123	100	11	*10	12
28								116	94	7.8	6.0	7.4
29								123	80	13	7.1	6.0
30								135	75	9.5	7.1	4.3
31								121	-	8.2	5.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	2,763	157	40	89.8	5,520
June	4,887	265	75	163	9,690
July	890.5	66	7.8	28.7	1,770
August	259.9	17	2.7	8.38	516
September	99.6	12	1.0	3.32	198
The period					17,690

*Estimated.

Navajo River near Chromo, Colo.

Location.- Water-stage recorder, lat. 37°2', long. 106°46'50", in SW¼ sec. 6, T. 32 N., R. 2 E., 3.5 miles east of Chromo.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, about 1,920 second-feet June 16 (gage height, 4.46 feet); minimum daily discharge, 50 second-feet Sept. 18, 19, 21-23.

Remarks.- Records good except those estimated, which are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	414	545	*170	124
2								-	438	510	*160	121
3								-	573	492	154	103
4								-	699	498	212	94
5								-	824	462	285	89
6								-	824	450	240	80
7								-	800	432	244	96
8								-	768	408	186	108
9								-	889	402	228	82
10								-	1,100	402	171	78
11								-	1,060	379	168	74
12								-	979	374	164	69
13								-	1,050	335	145	65
14								-	1,200	325	127	62
15								-	1,340	340	113	58
16								-	1,290	272	105	58
17								-	1,030	249	98	52
18								-	898	254	89	50
19								-	907	315	82	50
20								-	1,020	310	76	51
21								-	1,030	320	69	50
22								-	943	305	67	50
23								-	848	262	72	50
24								-	840	236	87	52
25								-	776	212	69	58
26								-	752	196	146	117
27								531	720	178	162	193
28								*560	671	168	138	127
29								587	587	145	159	105
30								608	573	142	189	89
31								810	-	148	142	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 27-31	2,796	608	510	559	5,550
June	25,863	1,340	414	862	51,300
July	10,066	545	142	325	19,970
August	4,517	285	67	146	8,960
September	2,455	193	50	81.8	4,870
The period					90,650

*Estimated.

Navajo River at Edith, Colo.

Location.- Water-stage recorder, lat. 37°10", long. 106°4'20", in NW¼ sec. 24, T. 32 N., R. 1 W., at highway bridge a quarter of a mile east of Edith and 1 mile above mouth of Coyote Creek. Prior to Jan. 1, 1929, staff gage at same site but to unknown datum.

Records available.- September 1912 to December 1914, June to September 1935 in reports of U. S. Geological Survey; September 1912 to December 1928 in reports of State engineer.

Extremes.- Maximum discharge during period, 1,360 second-feet June 16 (gage height, 4.89 feet); minimum daily discharge, 47 second-feet Sept. 19.

Remarks.- Records good. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									*600	608	168	142
2									608	576	146	138
3									710	548	146	120
4									780	544	176	112
5									805	512	242	108
6									905	484	198	104
7									930	484	218	114
8									905	480	150	140
9									982	453	215	106
10									1,040	436	152	102
11									1,010	404	144	102
12									980	400	154	*90
13									955	348	135	*80
14									1,010	341	117	75
15									1,120	386	109	71
16									1,060	278	100	63
17									880	251	94	58
18									855	260	88	51
19									905	352	83	47
20									955	327	80	49
21									955	330	77	50
22									905	324	77	50
23									855	266	80	50
24									855	233	91	54
25									755	208	81	64
26									755	190	169	121
27									755	174	176	272
28									710	166	152	148
29									642	154	158	131
30									642	140	218	112
31									-	144	174	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June	25,724	1,120	600	857	51,020
July	10,801	608	140	348	21,420
August	4,368	242	77	141	8,660
September	2,924	272	47	97.5	5,800
The period					86,900

*Estimated.

Little Navajo River at Chromo, Colo.

Location.- Water-stage recorder, lat. 37°2'5", long. 106°50'35", in SE¼ sec. 4, T. 32 N., R. 1 E., at highway bridge a quarter of a mile above mouth at Chromo.

Records available.- May to September 1935.

Extremes.- Maximum discharge during period, 162 second-feet June 9 (gage height, 3.16 feet); minimum daily discharge, 0.6 second-foot Aug. 3.

Remarks.- Records fair except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	92	14	0.9	6.5
2								-	90	12	.7	5.8
3								-	97	16	.6	5.5
4								-	100	13	4.5	5.3
5								-	94	7.2	3.0	5.0
6								-	94	6.5	3.7	4.5
7								-	100	6.2	4.2	5.5
8								-	102	5.5	2.4	7.2
9								-	112	5.3	2.9	5.0
10								-	110	5.3	4.2	4.5
11								-	97	4.8	4.8	3.7
12								-	87	4.8	4.5	3.5
13								-	87	3.2	3.7	3.0
14								-	83	3.5	3.2	2.9
15								-	83	5.8	3.0	2.7
16								-	85	3.2	2.9	2.7
17								-	64	2.7	2.9	2.6
18								-	59	3.7	1.6	2.6
19								-	55	9.0	1.3	2.4
20								-	50	7.2	1.3	2.4
21								-	48	5.5	1.2	2.4
22								-	47	5.0	2.1	2.4
23								-	45	4.8	4.2	1.9
24								-	41	*4.5	5.0	2.2
25								-	35	*4.0	3.2	3.5
26								-	28	*3.5	18	10
27								-	26	2.7	8.0	30
28								104	19	2.7	6.5	11
29								*110	17	2.4	6.5	8.7
30								*120	17	1.2	12	7.2
31								100	-	1.2	9.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 28-31	434	120	100	108	861
June	2,064	112	17	68.8	4,090
July	176.4	16	1.2	5.69	350
August	137.0	18	.6	4.42	272
September	162.6	30	1.9	5.42	323
The period					5,900

*Estimated.

Los Pinos River near Bayfield, Colo.

(Locally known as Pine River)

Location.- Water-stage recorder, lat. 37°21', long. 107°36', in sec. 26, T. 36 N., R. 7 W., 9 miles north of Bayfield and a quarter of a mile below Red Creek.

Drainage area.- 284 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; October 1927 to September 1935 for present station, and May to September 1926 (revised) for station 2 miles upstream in reports of State engineer. Records comparable.

Extremes.- Maximum discharge during year, 4,020 second-feet June 16 (gage height, 6.58 feet); minimum occurred during winter.
1926-27, 1927-35: Maximum mean daily discharge, 5,070 second-feet May 26, 1926; minimum discharge not determined.

Remarks.- Records excellent except those for period Apr. 2 to June 12, which are good, and those estimated Dec. 9 to Apr. 1, which are fair. Natural regulation by numerous lakes. Diversions for irrigation below 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	153	70	53				170	400	1,090	1,440	544	370
2	148	77	57				185	356	1,130	1,320	562	331
3	139	70	52				219	347	1,440	1,350	451	304
4	131	69	51				221	350	1,750	1,290	497	286
5	124	71	50				216	313	2,000	1,200	518	267
6	115	70	50				200	341	2,290	1,150	466	251
7	111	71	50				189	370	2,440	1,160	447	304
8	107	72	44				196	393	2,580	1,110	489	366
9	104	71	46				169	458	2,580	1,080	470	316
10	101	71	50				166	505	2,850	1,100	440	278
11	100	70					164	594	3,120	987	407	251
12	105	69					176	667	2,840	906	393	233
13	101	68					207	749	2,760	878	390	216
14	99	66					272	808	2,850	846	341	205
15	95	65					363	754	3,240	786	316	193
			43									
16	94	64					396	697	3,020	702	400	187
17	90	70					421	667	2,140	697	370	176
18	89	70					379	637	2,230	672	328	174
19	86	69					376	618	2,420	824	298	164
20	90	69					432	632	2,660	760	267	160
21	89	68					458	652	2,710	775	370	157
22	86	63					443	687	2,470	862	347	176
23	84	61					440	813	2,120	687	436	166
24	81	66					425	924	2,320	584	738	214
25	79	56					353	1,030	2,060	518	570	298
			42									
26	79	58					338	1,170	1,960	478	518	322
27	77	53					376	1,210	1,900	447	514	353
28	77	61					418	1,230	1,700	514	451	386
29	75	58					436	1,240	1,580	594	410	421
30	71	53					443	1,290	1,570	526	436	366
31	69	-					-	1,230	-	497	400	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,049	153	69	98.4	6,050
November	1,989	77	53	66.3	3,950
December	1,395	57	-	45.0	2,770
Calendar year 1934	58,877	877	-	161	116,700
January	1,240	-	-	40	2,460
February	1,400	-	-	50	2,780
March	3,410	-	-	110	6,760
April	9,267	458	164	309	18,380
May	22,132	1,290	313	714	43,900
June	67,820	3,240	1,090	2,261	134,500
July	26,740	1,440	447	863	53,040
August	13,584	738	267	438	26,940
September	7,891	421	157	263	15,650
Water year 1934-35	159,917	3,240	-	438	317,200

Los Pinos River at Ignacio, Colo.

Location.- Water-stage recorder, lat. 37°7'45", long. 107°37'50", in sec. 5, T. 33 N., R. 7 W., three-quarters of a mile above Ignacio and about 2 miles above Rock Creek.

Drainage area.- 448 square miles.

Records available.- April 1899 to October 1903, September 1910 to December 1914, October 1930 to September 1935 in reports of U. S. Geological Survey; April 1899 to October 1903, September 1910 to November 1912, March 1913 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, 4,270 second-feet June 16 (gage height, 5.57 feet); minimum daily discharge, 6.1 second-feet Sept. 21 and 22.
1930-35: Maximum discharge, 5,570 second-feet Aug. 27, 1932 (gage height, 6.19 feet); minimum daily discharge, 1.3 second-feet Sept. 8, 1933.

Remarks.- Records fair except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	9.2			73	90	390	615	1,020	1,040	114	188
2	16	13			79	97	406	548	1,020	917	166	179
3	11	18		*50	79	122	467	528	1,260	917	104	140
4	*11	15			75	101	473	485	1,550	830	99	124
5	*10	16			75	97	428	491	1,750	733	166	109
6	9.7	13	*35	60	77	*90	375	491	2,090	629	138	85
7	9.7	13		43	79	85	336	485	2,310	622	111	109
8	9.7	13		45	79	92	444	491	2,620	574	140	215
9	9.2	9.7		46	79	83	560	554	2,620	491	129	154
10	9.2	11		46	79	88	350	622	2,780	554	149	127
11	8.8	11		46	77	81	318	725	3,220	491	109	97
12	*9.0	11		58	75	85	346	856	2,860	433	99	75
13	9.2	10	58	48	77	106	406	1,050	2,700	411	88	61
14	*9.1	11	63	56	69	146	515	1,090	2,780	365	63	53
15	*9.1	12	65	65	71	163	695	998	3,220	341	38	43
16	*9.0	11	61	67	*65	140	725	917	3,130	267	43	33
17	*9.0	13	60	65	*65	143	773	848	1,880	225	81	30
18	*8.9	13	56		*65	132	781	789	1,880	222	54	27
19	*8.9	13	61		75	143	822	757	2,090	292	33	27
20	8.8	15	65		79	135	789	864	2,380	346	18	9.2
21	7.8	15	69	*60	92	138	757	830	2,460	288	22	6.1
22	8.8	13	56		92	149	781	822	2,310	422	36	6.1
23	8.3	13	51		90	149	781	908	1,750	310	69	8.3
24	8.8	11	53		92	185	781	1,030	2,090	208	410	14
25	8.3	10	56		*90	176	615	1,140	1,710	143	346	61
26	8.3	10	61		*90	198	548	1,280	1,560	85	284	127
27	8.3	11	58		*90	229	594	1,300	1,560	51	297	244
28	7.8	10	54	*70	90	229	650	1,280	1,350	69	236	305
29	7.8	13	53		-	263	665	1,250	1,140	138	188	305
30	7.8	*15	46		-	328	680	1,280	1,190	127	222	248
31	7.3	-	45		-	390	-	1,160	-	85	233	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	301.6	27	7.3	9.73	598
November	371.9	18	9.2	12.4	738
December	1,511	69	-	48.7	3,000
Calendar year 1934	23,260.1	662	1.5	63.7	46,140
January	1,795	-	43	57.9	3,560
February	2,218	92	65	79.2	4,400
March	4,653	390	81	150	9,230
April	17,251	822	318	575	34,220
May	26,484	1,300	485	854	52,530
June	62,280	3,220	1,020	2,076	123,500
July	12,626	1,040	51	407	25,040
August	4,285	410	18	138	8,500
September	3,209.7	305	6.1	107	6,370
Water year 1934-35	136,986.2	3,220	6.1	375	271,700

*Estimated.

Animas River at Durango, Colo.

Location.- Water-stage recorder, lat. 37°17', long. 107°52', in sec. 20, T. 35 N., R. 9 W., at Western Colorado Power Co.'s plant in Durango, and a quarter of a mile above mouth of Lightner Creek.

Drainage area.- 692 square miles (revised).

Records available.- June 1895 to December 1905, January 1910 to December 1914, October 1933 to September 1935 in reports of U. S. Geological Survey; June 1895 to December 1905, January 1912 to September 1935 for present station, and September 1910 to December 1911 for station below Lightner Creek, in reports of State engineer.

Average discharge.- 34 years (1895-1900, 1901-5, 1910-35) 929 second-feet.

Extremes.- Maximum discharge during year, 6,560 second-feet June 15, 16 (gage height, 6.00 feet); minimum mean daily discharge, 130 second-feet Jan. 19, 21, 22.
1895-1900, 1901-5, 1909-35: Maximum discharge (estimated), 22,000 second-feet June 29, 1927 (gage height, 9.6 feet); minimum mean daily discharge, 50 second-feet Dec. 22, 1917.

Remarks.- Records excellent except those for periods estimated, Jan. 20, 21, Feb. 18-25, which are good. Diversions upstream for irrigation. Artificial regulation by power dams, and natural regulation by numerous lakes.

Rating table, June 11 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

1.3	277	2.0	667	3.7	2,330	4.7	3,840
1.4	320	2.2	815	3.9	2,590	4.8	4,030
1.5	368	2.4	982	4.1	2,870	5.3	5,030
1.6	420	2.7	1,250	4.3	3,170	5.6	5,660
1.7	476	3.1	1,650	4.5	3,490	5.8	6,100
1.8	536	3.5	2,090	4.6	3,660		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	227	145	152	138	156	167	488	807	1,690	2,420	792	667
2	213	152	144	149	156	163	495	691	1,810	2,310	702	600
3	208	161	137	144	158	171	582	661	2,390	2,250	647	536
4	203	159	137	142	159	169	582	596	2,940	2,100	695	494
5	198	159	133	149	163	167	547	575	3,270	1,950	738	476
6	194	159	135	150	167	154	514	691	3,640	1,770	717	448
7	190	156	135	147	171	154	475	760	4,090	1,760	660	465
8	181	156	138	145	169	163	482	863	4,450	1,770	815	647
9	177	158	141	147	159	154	469	960	4,610	1,670	807	536
10	175	156	140	147	159	159	413	994	4,550	1,940	753	500
11	175	159	150	149	158	163	389	1,100	5,090	1,740	688	459
12	181	154	154	154	158	175	407	1,260	4,970	1,680	674	410
13	183	152	156	142	159	196	488	1,310	4,570	1,510	607	389
14	185	152	159	149	156	222	617	1,330	5,110	1,500	549	378
15	177	152	163	161	158	257	807	1,260	5,730	1,430	506	358
16	175	152	161	158	138	260	815	1,300	5,770	1,320	660	334
17	175	159	154	132	145	257	847	1,300	3,950	1,250	702	325
18	171	163	145	138	145	257	791	1,240	3,580	1,190	710	320
19	163	161	145	130	145	257	744	1,150	3,900	1,200	607	307
20	165	167	145	138	145	257	823	1,180	4,370	1,250	536	298
21	163	167	150	130	145	247	847	1,230	4,630	1,220	506	298
22	159	163	150	130	145	250	831	1,310	4,370	1,180	530	298
23	158	161	147	149	145	250	823	1,490	3,700	1,030	667	298
24	159	167	142	154	145	260	752	1,770	3,940	939	948	307
25	154	165	142	159	145	253	646	2,080	3,430	839	939	394
26	152	159	138	159	154	260	624	2,290	3,110	769	792	476
27	150	154	140	158	150	298	752	2,330	3,120	724	761	581
28	149	163	147	158	154	328	903	2,290	2,740	738	738	634
29	149	158	154	158	-	323	944	2,270	2,430	831	681	620
30	145	137	149	154	-	401	919	2,390	2,540	831	681	568
31	144	-	138	154	-	488	-	2,330	-	800	738	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,398	227	144	174	10,710
November	4,726	167	137	158	9,370
December	4,521	163	133	146	8,970
Calendar year 1934	120,227	2,070	-	329	238,500
January	4,572	161	130	147	9,070
February	4,307	171	138	154	8,540
March	7,280	488	154	235	14,440
April	19,816	944	389	661	39,300
May	41,808	2,390	575	1,349	82,920
June	114,690	5,770	1,810	3,823	227,500
July	43,911	2,420	724	1,416	87,100
August	21,546	948	506	695	42,740
September	13,421	667	298	447	26,620
Water year 1934-35	285,996	5,770	130	784	567,300

Animas River near Cedar Hill, N. Mex.

Location.- Water-stage recorder, lat. 37°2'15", long. 107°52'25", in sec. 7, T. 32 N., R. 9 W., three-quarters of a mile below mouth of Florida River, 2.5 miles above Colorado-New Mexico State line, and 8.5 miles north of Cedar Hill.

Records available.- November 1933 to September 1935.

Extremes.- Maximum discharge during year, 9,540 second-feet June 16 (gage height, 7.62 feet); minimum daily discharge, estimated, 90 second-feet Jan. 21, during ice effect. 1933-35: Maximum discharge, that of June 16, 1935; minimum daily discharge, that of Jan. 21, 1935.

Remarks.- Records fair except those estimated, which are poor. Stage-discharge relation affected by ice Dec. 4-13, 20, Jan. 2-5, 18, 19, 21-31, Feb. 17-23. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	344	152	200	184	238	196	902	1,200	2,680	3,030	893	830
2	304	180	180	*190	220	247	866	1,000	2,350	2,760	804	754
3	298	180	162	*180	220	344	920	930	2,940	2,760	737	665
4	292	180	*150	*170	229	256	920	920	3,690	2,510	788	605
5	282	176	*180	*180	242	216	857	902	4,300	2,320	848	568
6	276	173	*190	184	238	170	822	960	4,930	2,070	830	545
7	265	173	*190	170	252	170	754	1,020	5,480	2,020	796	552
8	252	166	*180	170	260	180	839	1,150	5,940	2,040	884	788
9	242	162	*180	166	234	170	990	1,310	6,170	1,920	980	713
10	224	166	*190	170	208	180	729	1,350	6,170	2,190	866	642
11	216	162	*190	173	208	180	689	1,490	6,650	2,070	804	575
12	224	162	*180	204	200	220	729	1,670	6,650	1,940	770	522
13	252	152	*190	176	204	304	839	1,820	6,170	1,750	721	473
14	252	152	196	173	196	459	1,040	1,880	6,650	1,650	642	432
15	242	152	200	200	196	530	1,310	1,860	7,640	1,670	590	406
16	204	156	200	212	170	473	1,340	1,890	8,160	1,490	713	380
17	220	173	184	176	*140	432	1,420	1,980	5,710	1,430	830	344
18	220	184	166	*160	*160	406	1,430	1,860	4,820	1,360	813	325
19	204	184	176	*140	*180	452	1,340	1,740	5,260	1,390	745	314
20	196	188	*180	127	*190	480	1,420	2,240	5,940	1,530	658	304
21	196	188	180	*90	*200	438	1,470	1,890	6,410	1,490	598	298
22	192	192	180	*110	*240	473	1,450	1,890	6,060	1,380	658	304
23	180	184	176	*160	*230	466	1,420	2,100	5,040	*1,300	839	304
24	184	180	166	*230	229	605	1,290	2,430	5,260	*1,100	1,310	314
25	188	180	173	*300	220	568	1,050	2,850	4,720	*900	1,290	393
26	184	176	173	*270	192	575	980	3,120	4,090	*800	1,080	515
27	176	180	184	*260	192	665	1,120	3,210	3,990	*700	1,050	1,190
28	170	196	173	*250	192	697	1,360	3,120	3,590	*700	940	866
29	162	170	192	*250	-	737	1,450	3,120	3,120	*800	866	779
30	156	156	173	*240	-	857	1,390	3,210	3,120	940	822	754
31	152	-	156	*240	-	940	-	3,210	-	911	902	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,949	344	152	224	13,780
November	5,175	196	152	172	10,260
December	5,590	200	150	180	11,090
Calendar year 1934	143,059	2,370	150	392	283,700
January	5,905	300	90	190	11,710
February	5,880	260	140	210	11,660
March	13,086	940	170	422	25,960
April	33,116	1,470	689	1,104	65,680
May	59,322	3,210	902	1,914	117,700
June	153,700	8,160	2,350	5,123	304,900
July	50,921	3,030	700	1,643	101,000
August	26,067	1,310	590	841	51,700
September	16,455	1,190	298	548	32,640
Water year 1934-35	382,166	8,160	90	1,047	758,100

*Estimated.

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Animas River at Farmington, N. Mex.

Location.- Water-stage recorder, lat. 36°43', long. 108°12', in sec. 21, T. 29 N., R. 13 W., a quarter of a mile above mouth and three-quarters of a mile south of Farmington.

Drainage area.- 1,360 square miles.

Records available.- September 1912 to December 1914, October 1930 to September 1935 in reports of U. S. Geological Survey; September 1912 to December 1931 in reports of State engineer. Comparable records June 1904 to October 1905 at site half a mile above present site published as Animas River near Farmington, N. Mex.

Extremes.- Maximum discharge during year, 9,350 second-feet June 16 (gage height, 6.91 feet); minimum daily discharge, 100 second-feet Jan. 21.
1930-35: Maximum discharge, that of June 16, 1935; minimum daily discharge recorded, 10 second-feet Aug. 30, 31, 1931.

Remarks.- Records fair. Stage-discharge relation affected by ice Jan. 20, 23-27. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	312	*110	166	169	281	220	904	1,190	2,660	2,660	739	760
2	290	112	224	175	273	253	880	1,050	2,290	2,430	824	648
3	253	118	192	192	249	345	928	1,020	2,580	2,360	599	532
4	238	133	178	186	234	430	960	976	3,080	2,220	557	442
5	228	145	203	196	238	340	912	984	3,860	2,020	753	390
6	217	154	214	238	238	277	848	1,030	4,689	1,770	662	330
7	200	154	210	224	249	242	760	1,070	5,310	1,660	613	326
8	186	160	192	200	277	245	753	1,140	5,580	1,600	683	400
9	166	166	203	203	265	245	912	1,220	6,150	*1,550	888	592
10	154	163	210	196	242	234	800	1,250	6,000	*1,320	760	460
11	148	160	210	210	224	238	732	1,300	6,000	1,440	648	405
12	151	154	203	269	210	234	690	1,440	5,860	1,260	578	370
13	157	148	220	231	203	273	753	1,550	5,310	1,040	526	335
14	154	133	224	200	214	415	888	1,600	5,310	*920	436	312
15	163	130	234	238	203	532	1,100	1,720	6,450	*880	365	290
16	172	124	224	249	182	520	1,220	1,720	8,010	*880	410	277
17	172	139	210	224	157	460	1,210	1,770	5,720	*840	606	253
18	151	145	186	166	178	425	1,220	1,770	4,080	*920	578	238
19	157	175	189	157	200	442	1,200	1,660	4,550	992	571	224
20	151	166	189	*130	200	484	1,120	1,890	5,580	1,170	425	214
21	154	166	200	100	220	472	1,190	1,960	6,450	1,220	350	200
22	148	160	200	139	249	472	1,220	1,830	6,450	1,190	312	196
23	148	151	206	*180	238	454	1,210	1,960	5,310	1,060	490	189
24	139	148	200	*250	228	466	1,210	2,220	4,920	872	960	192
25	142	154	172	*310	220	571	1,120	2,500	4,920	732	1,330	303
26	136	154	178	*290	196	532	1,030	2,740	3,860	613	1,110	370
27	136	157	182	*280	186	564	1,060	2,820	3,550	571	936	1,730
28	121	196	210	273	210	599	1,160	2,820	3,360	526	872	1,520
29	118	196	217	265	-	613	1,260	2,740	2,910	690	753	824
30	127	178	224	269	-	683	1,250	2,740	2,740	920	676	760
31	*120	-	200	265	-	824	-	2,820	-	792	690	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,309	312	118	171	10,530
November	4,549	196	110	152	9,020
December	6,270	234	166	202	12,440
Calendar year 1934	97,670	1,500	-	268	193,700
January	6,674	310	100	215	13,240
February	6,264	281	157	224	12,420
March	13,104	824	220	423	25,990
April	30,500	1,260	690	1,017	60,500
May	54,500	2,820	976	1,758	108,100
June	143,530	8,010	2,290	4,784	284,700
July	39,098	2,660	526	1,261	77,550
August	20,700	1,330	312	668	41,060
September	14,082	1,730	189	469	27,930
Water year 1934-35	344,580	8,010	100	944	683,500

*Estimated.

Cascade Creek near Tacoma, Colo.

Location.- Water-stage recorder, lat. 37°40', long. 107°49', in sec. 11, T. 39 N., R. 9 W., at crossing of U. S. Highway 550, 10 miles north of Tacoma.

Drainage area.- 26.8 square miles.

Records available.- October 1934 to September 1935 in reports of U. S. Geological Survey; October 1926 to September 1935 in reports of State engineer.

Remarks.- Complete records furnished by Western Colorado Power Co. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.9	6.1	5.1	4.2	4.2	5.1	8.2	33	83	188	44	22
2	7.9	6.1	5.1	4.2	4.2	5.1	9.3	29	103	183	36	18
3	7.9	6.1	5.1	4.2	4.2	5.1	13	25	160	166	26	18
4	7.9	6.1	5.1	4.2	4.2	5.1	9.9	22	206	164	31	26
5	7.3	8.2	5.1	4.2	4.2	5.1	9.9	23	212	157	36	22
6	6.7	7.1	5.1	4.2	4.2	5.1	8.8	23	271	137	47	22
7	6.7	9.3	5.1	4.2	4.2	5.1	8.2	16	327	137	54	49
8	9.3	9.3	5.1	4.2	4.2	5.1	8.2	18	334	137	44	36
9	9.3	9.3	5.1	4.2	4.2	5.1	7.7	19	293	137	44	26
10	9.3	8.2	5.1	4.2	4.2	5.1	7.1	22	372	154	34	20
11	8.2	8.2	5.1	4.2	4.2	5.1	7.7	27	380	137	36	18
12	8.2	8.2	5.1	4.2	4.2	5.1	9.4	28	375	145	30	15
13	8.2	8.2	5.1	4.2	4.2	5.1	12	28	429	115	22	15
14	8.8	7.1	5.1	4.2	4.2	5.1	14	27	525	115	20	15
15	8.2	7.1	5.1	4.2	4.2	5.1	17	27	518	115	20	14
16	8.3	7.1	5.1	4.2	4.2	5.1	21	28	499	95	24	14
17	8.2	7.1	5.1	4.2	4.2	5.1	21	26	269	95	39	12
18	8.2	6.1	5.1	4.2	4.2	5.1	20	26	337	83	24	13
19	8.2	6.1	5.1	4.2	4.2	5.1	20	26	364	100	24	12
20	8.2	6.1	5.1	4.2	4.2	5.1	20	26	435	95	24	13
21	8.2	7.1	5.1	4.2	4.2	5.1	20	27	543	95	24	12
22	8.2	7.1	5.1	4.2	4.2	5.1	22	32	354	77	22	13
23	8.2	7.1	5.1	4.2	4.2	5.1	21	42	326	65	28	12
24	8.2	6.1	5.1	4.2	4.2	5.1	20	55	295	53	40	17
25	8.2	6.1	5.1	4.2	4.2	5.1	20	71	259	47	40	24
26	8.2	6.1	5.1	4.2	4.2	5.1	21	96	244	45	40	36
27	7.1	6.1	5.1	4.2	4.2	5.1	27	109	248	43	38	36
28	7.1	5.1	5.1	4.2	4.2	5.1	34	109	216	39	33	36
29	7.1	5.1	5.1	4.2	-	6.1	36	113	198	41	30	31
30	6.1	5.1	5.1	4.2	-	7.1	35	115	180	41	45	31
31	6.1	-	5.1	4.2	-	8.2	-	107	-	72	54	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	245.6	9.3	6.1	7.92	487
November	208.1	9.3	5.1	6.94	413
December	158.1	5.1	5.1	5.1	314
Calendar year 1934	7,773.0	183	5.1	21.3	15,430
January	130.2	4.2	4.2	4.2	258
February	117.6	4.2	4.2	4.2	233
March	164.2	8.2	5.1	5.30	326
April	508.4	36	7.1	16.9	1,010
May	1,375	115	16	44.4	2,730
June	9,355	543	83	312	18,560
July	3,273	188	39	106	6,490
August	1,053	54	20	34.0	2,090
September	648	49	12	21.6	1,290
Water year 1934-35	17,236.2	543	4.2	47.2	34,200

Lightner Creek near Durango, Colo.

Location.- Water-stage recorder, lat. 37°16', long. 107°55', in sec. 26, T. 35 N., R. 10 W., 3 miles west of Durango.

Drainage area.- 64 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; June 1927 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 310 second-feet Aug. 16 (gage height, 2.40 feet); minimum daily discharge, 1 second-foot several days during period October to February.

1927-35: Maximum discharge, 655 second-feet Apr. 4, 1929, supersedes figure published in Water-Supply Paper 764 (gage height, 2.71 feet); minimum daily discharge, 1 second-foot at times during 1930-31, 1933-35.

Remarks.- Records fair. Discharge estimated Oct. 20-23, Nov. 2 to Feb. 22, June 16-19. No regulation or diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	2				4	168	95	74	18	6	6
2	1	2				5	189	80	74	16	5	6
3	1	2				6	210	69	105	18	5	6
4	1	2				7	210	83	102	18	4	7
5	1	2				8	168	97	108	18	4	6
6	1	2				9	150	95	108	18	4	6
7	1	2				9	117	95	105	18	4	10
8	1	2				9	132	105	92	13	5	7
9	1	2				9	132	105	80	11	8	6
10	1	2				9	102	114	74	9	6	6
11	1	2				10	102	117	90	9	5	6
12	3	2				10	132	117	90	9	5	5
13	2	2				10	233	117	90	9	6	5
14	1	2				10	251	114	100	10	6	5
15	1	2				10	206	120	100	8	4	5
16	1	1				11	181	108	80	6	16	5
17	1	1				11	157	97	56	5	10	5
18	1	1				12	157	92	45	4	8	5
19	1	1				12	154	78	35	4	6	4
20	1	1				13	150	111	27	5	5	4
21	1	1				14	150	111	26	3	5	4
22	1	1				16	146	111	22	3	10	5
23	2	1				19	143	105	25	5	10	5
24	2	1				19	126	117	19	5	17	6
25	3	1				20	108	117	16	4	6	8
26	2	1				46	105	117	14	3	6	8
27	2	1				69	117	117	15	3	6	21
28	2	1				78	117	114	16	2	6	8
29	2	1				102	114	114	17	2	4	7
30	2	1				150	111	108	18	3	5	6
31	2	-				256	-	92	-	4	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	44	3	1	1.4	87
November	45	2	1	1.5	89
December	31	-	-	1	61
Calendar year 1934	1,422	27	-	3.9	2,820
January	31	-	-	1	61
February	56	-	-	2	111
March	973	256	4	31.4	1,930
April	4,538	251	102	151	9,000
May	3,232	120	69	104	6,410
June	1,823	108	14	60.8	3,620
July	273	18	2	8.8	541
August	204	17	4	6.6	405
September	193	21	4	6.4	383
Water year 1934-35	11,443	256	-	31.4	22,700

Florida River near Durango, Colo.

Location.- Water-stage recorder, lat. 37°20', long. 107°45', in sec. 4, T. 35 N., R. 8 W., 10½ miles northeast of Durango and just below mouth of Red Creek. During period of record this station has been located at several different sites in the same vicinity. Prior to October 1, 1934, station was located a quarter of a mile downstream; different datum. All records comparable.

Drainage area.- 96 square miles.

Records available.- May to July 1899, April 1901 to October 1903, September 1910 to September 1912, October 1933 to September 1935 in reports of U. S. Geological Survey; May to July 1899, April 1901 to October 1903, September 1910 to September 1924, April 1927 to September 1935 in reports of State engineer.

Average discharge.- 17 years (1910-12, 1917-24, 1927-35), 130 second-feet.

Extremes.- Maximum discharge during year, 1,440 second-feet June 15 (gage height, 4.25 feet); minimum daily discharge occurred during winter.

1899, 1901-3, 1910-24, 1927-35: Maximum discharge, 4,640 second-feet June 28, 1927 (gage height, 4.50 feet, former site and datum); minimum daily discharge, 0.4 second-foot Feb. 15, 1918.

Remarks.- Records good except those estimated for Dec. 1 to Feb. 28 on the basis of one discharge measurement and temperature records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	10				7	94	189	322	495	102	141
2	42	12				9	102	164	334	470	112	117
3	39	11				9	112	153	424	432	89	99
4	35	10				7	109	136	530	368	89	89
5	29	12				9	99	125	635	341	102	78
6	25	11				11	85	138	726	308	92	68
7	23	10				6	78	141	800	322	83	96
8	22	10				5	81	144	838	268	122	114
9	21	10	*9			6	83	156	838	254	109	89
10	22	10				7	70	170	906	265	144	81
11	22	11				5	70	208	916	221	117	74
12	26	10				5	85	231	877	201	102	59
13	30	10				6	112	258	901	167	89	50
14	24	10				10	144	265	916	186	78	50
15	24	9				16	158	282	1,120	161	66	44
16	23	8				102	176	293	1,030	144	136	39
17	21	13				78	195	286	754	144	119	37
18	20	12				18	173	279	814	156	92	36
19	19	10				19	176	272	887	224	74	34
20	19	10				21	218	258	993	192	76	31
21	16	10				31	214	258	1,010	170	117	31
22	14	8				22	204	290	833	147	117	32
23	13	19				22	204	282	791	128	237	32
24	13	11				22	186	279	824	109	388	42
25	11	21				18	156	326	726	85	258	76
26	10	8				28	158	349	689	74	231	94
27	10	10				39	179	353	671	64	218	109
28	10	10				46	195	345	556	63	182	130
29	11	10				54	195	349	577	83	153	153
30	10	9				72	195	368	581	99	161	133
31	10	-				85	-	364	-	94	164	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	657	43	10	21.2	1,300
November	325	21	8	10.8	645
December	279	-	-	9	553
Calendar year 1934	13,322	332	4	36.5	26,380
January	217	-	-	7	430
February	196	-	-	7	389
March	795	102	5	25.6	1,580
April	4,306	218	70	144	8,540
May	7,711	368	125	249	15,290
June	22,819	1,120	322	761	45,260
July	6,435	495	63	208	12,760
August	4,219	388	66	136	8,370
September	2,258	153	31	75.3	4,480
Water year 1934-35	50,217	1,120	5	138	99,600

*Discharge measurement.

La Plata River at Hesperus, Colo.

Location.- Water-stage recorder, lat. 37°17', long. 108°2', in sec. 14, T. 35 N., R. 11 W., an eighth of a mile west of Hesperus.

Drainage area.- 37 square miles.

Records available.- June to August 1904, April to August 1906, August to December 1910, October 1933 to September 1935 in reports of U. S. Geological Survey; June to August 1904, April to August 1906, August to December 1910, May 1917 to September 1935 in reports of State engineer.

Average discharge.- 18 years (1917-35), 48.1 second-feet.

Extremes.- Maximum discharge during year, 549 second-feet June 15 (gage height, 1.87 feet); minimum probably occurred during period of no record in winter.
1904, 1906, 1910, 1917-35: Maximum discharge, 1,460 second-feet June 28, 1927 (gage height, 4.60 feet, former datum); no flow Apr. 4, 1906.

Remarks.- Records good except those for period Nov. 19 to Mar. 30, which were estimated on basis of seven discharge measurements and temperature records. One diversion for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	5				*10	54	150	218	112	26	21
2	9	5					72	130	218	125	24	21
3	9	4				9	88	118	297	121	23	20
4	8	4			*9		83	102	326	100	23	20
5	7	4					75	100	345	83	21	19
6	7	4					70	97	383	63	20	18
7	6	4					64	102	417	100	18	18
8	7	4				9	57	105	417	91	17	16
9	7	4	*6				49	121	378	96	18	16
10	7	4					43	127	394	91	16	15
11	7	4					43	147	417	57	15	14
12	7	4					49	147	383	36	15	14
13	8	5				16	59	147	405	41	14	14
14	7	4					97	147	423	34	14	14
15	7	4					124	130	405	28	17	13
16	7	5					130	127	297	24	21	13
17	7	6	*4	*7			137	124	202	23	20	13
18	7	5				13	115	111	194	23	19	12
19	7	4					102	111	194	36	18	12
20	7	4					111	114	216	24	18	12
21	7	4					118	108	218	35	16	10
22	7	4					116	111	194	50	18	10
23	6	4				16	118	127	204	44	15	10
24	5	4					108	164	213	42	21	10
25	5	4					94	210	188	38	20	10
26	5	4					97	239	158	35	22	9
27	5	4				16	124	252	164	30	26	10
28	5	4					164	239	149	35	25	10
29	5	4				*17	171	261	125	36	24	10
30	5	4				23	150	248	121	36	23	11
31	4	-				30	-	215	-	32	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	206	9	4	6.6	409
November	127	6	4	4.2	252
December	155	-	-	5	307
Calendar year 1934	6,385	113	-	17.5	12,670
January	217	-	-	7	430
February	252	-	-	9	500
March	434	-	-	14.0	861
April	2,877	171	43	95.9	5,710
May	4,634	261	97	149	9,190
June	8,295	423	121	276	16,450
July	1,741	125	23	56.2	3,450
August	614	26	14	19.8	1,220
September	415	21	9	13.8	823
Water year 1934-35	19,967	423	-	54.7	39,600

*Discharge measurement.

La Plata River at Colorado-New Mexico State line

Location.- Water-stage recorder, lat. 37°, long. 108°11', in sec. 10, T. 32 N., R. 13 W., 300 feet south of Colorado-New Mexico State line and 3 miles north of Pendleton, N.M.

Drainage area.- 331 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; February 1920 to September 1935 in reports of State engineer.

Average discharge.- 15 years, 35.4 second-feet.

Extremes.- Maximum discharge during year, 321 second-feet June 15 (gage height, 2.62 feet); no flow several days during October, November, and July to September.
1920-35: Maximum discharge, 4,750 second-feet Aug. 24, 1927 (gage height, 11.1 feet); no flow at times during 1922, 1924, 1928, 1930, 1933-35.

Remarks.- Records good except those for periods Oct. 13 to Jan. 31, Feb. 15-17, 19, July 13-19, Aug. 2-4, 8, 13-14, Sept. 7-23, 29, 30, which were estimated. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 25 to May 4, June 4-16, July 22 to Sept. 30)

0.0	4	0.4	10	1.0	39	1.5	88	2.2	197
.1	4.6	.5	13	1.1	47	1.6	101	2.4	237
.2	5.8	.6	17	1.3	65	1.8	129	2.5	259
.3	7.6	.8	27	1.4	76	2.0	160		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0			24	9	97	41	67	77	7	7
2	0	0			17	12	123	37	58	92	1	5
3	0	0			15	17	138	42	102	96	0	5
4	0	0			15	15	144	42	173	87	0	4
5	0	0			13	13	112	56	176	73	22	4
6	0	0			14	10	81	49	246	62	16	4
7	0	0			20	9	60	42	221	70	7	2
8	0	0			13	10	56	37	195	64	1	2
9	0	0			12	9	70	37	207	64	44	2
10	0	0			10	10	53	44	174	80	4	0
11	0	0			10	9	41	45	233	45	5	0
12	0	0			9	9	38	50	217	10	5	0
13	1	0			9	13	38	57	178	1	1	0
14	0	0			9	22	61	62	213	1	2	0
15	2	0			9	27	111	72	246	1	6	0
16	0	0			9	17	89	60	211	0	53	0
17	0	0	*6		9	20	102	59	88	0	6	0
18	0	0		*4	10	18	93	55	52	1	5	1
19	0	0			9	24	93	51	43	2	5	2
20	0	0			9	17	83	86	54	22	5	1
21	0	0			9	17	83	81	60	11	5	0
22	0	0			12	20	77	70	45	20	5	0
23	0	0			12	22	76	62	31	36	5	1
24	0	3			12	20	66	62	33	35	7	31
25	0	5			9	20	52	70	28	32	6	19
26	0	6			9	26	41	109	32	28	6	7
27	0	8			9	37	39	119	39	24	5	78
28	0	6			9	39	44	122	58	24	5	10
29	0	6			-	44	49	130	55	25	5	2
30	0	6			-	52	49	138	87	29	5	2
31	0	-			-	80	-	109	-	28	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3	2	0	0.1	6
November	40	8	0	1.3	79
December	186	-	-	6	369
Calendar year 1934	3,067	336	0	8.4	6,080
January	186	-	-	6	369
February	326	24	9	11.6	647
March	667	80	9	21.5	1,320
April	2,259	144	38	75.3	4,480
May	2,096	138	37	67.6	4,160
June	3,622	246	28	121	7,180
July	1,140	96	0	36.8	2,260
August	256	53	0	8.3	508
September	189	78	0	6.3	375
Water year 1934-35	10,970	246	0	30.1	21,760

*Discharge measurement.

Cherry Creek near Red Mesa, Colo.

Location.- Water-stage recorder, lat. 37°7', long. 108°12', in sec. 7, T. 33 N., R. 12 W., 2 miles northwest of Red Mesa.

Drainage area.- 66 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; March 1928 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 82 second-feet Apr. 15 (gage height, 2.20 feet); no flow Oct. 1 to Jan. 31.
1928-35: Maximum discharge, 803 second-feet Aug. 26, 1934 (gage height, 4.50 feet); no flow at times during 1931, 1933-35.

Remarks.- Records good above 10 second-feet. Discharge estimated Feb. 1 to Mar. 27, June 15-21, July 8-10, Aug. 12-20, Sept. 4-8, 13-25, 27-30. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 28 to Apr. 10)

0.7	0.2	1.4	18
.8	.8	1.6	30
.9	2.0	1.7	37
1.0	4.0	1.8	45
1.1	6.5	2.1	72
1.2	9.5	2.2	82
1.3	13		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						3	55	41	41	6	2	2
2						4	54	32	37	6	1	2
3						5	55	37	39	6	1	2
4						4	52	37	42	6	1	2
5						4	39	50	37	6	1	2
6						3	36	45	32	6	1	2
7						3	36	37	23	6	1	2
8						3	33	34	18	6	1	2
9						3	33	34	16	6	1	2
10						3	29	41	8	6	1	1
11						3	27	41	4	2	1	1
12						3	27	47	4	1	1	1
13						4	30	50	3	1	1	1
14						7	41	50	2	1	1	1
15						8	58	50	2	1	1	1
16						5	50	50	2	1	1	1
17						6	58	48	2	2	1	1
18						5	45	43	2	3	1	1
19						7	54	39	2	2	1	1
20						5	58	50	2	2	1	1
21						5	58	63	2	3	1	1
22						6	58	57	2	3	1	1
23						7	58	50	2	4	1	1
24						6	50	50	2	4	2	1
25						6	45	54	2	4	3	1
26						8	37	61	1	3	2	1
27						11	41	60	1	3	2	1
28						22	50	58	1	3	2	1
29						28	50	58	5	3	2	1
30						43	50	57	6	4	2	1
31						56	-	46	-	3	3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	56	-	-	2	111
March	286	56	3	9.2	567
April	1,367	58	27	45.6	2,710
May	1,470	63	32	47.4	2,920
June	342	42	1	11.4	678
July	113	6	1	3.6	224
August	42	3	1	1.4	83
September	39	2	1	1.3	77
Water year 1934-35	3,715	63	0	10.2	7,370

Mancos River near Mancos, Colo.

Location.- Water-stage recorder, lat. 37°22', long. 108°15', in sec. 23, T. 36 N., R. 13 W., 2 miles east of Mancos.

Drainage area.- 73 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; October 1931 to September 1935 in reports of State engineer.

Extremes.- Maximum discharge during year, 404 second-feet June 7 (gage height, 3.10 feet); minimum probably occurred during winter.
1931-35: Maximum discharge, 502 second-feet May 15, 1932 (gage height, 3.72 feet); minimum probably occurred during winter.

Remarks.- Records good above 10 second-feet; those below and those estimated for Nov. 23 to Mar. 20 fair.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	2					51	112	228	120	27	26
2	5	3					56	96	239	117	23	21
3	5	3				9	60	88	278	112	27	18
4	5	2					57	81	308	104	29	16
5	5	2					50	76	320	95	27	14
6	5	2					44	82	345	85	23	13
7	4	2					36	88	353	71	23	23
8	4	2				7	38	118	312	66	22	29
9	4	2					36	158	330	64	18	19
10	4	2					29	180	330	66	27	26
11	3	2					28	217	322	65	21	23
12	4	2					35	221	305	64	23	18
13	5	2				8	47	217	295	77	17	15
14	4	2					64	195	332	62	14	14
15	3	2					78	172	338	60	14	12
16	3	2					78	166	305	55	26	11
17	3	3				11	83	160	221	56	21	8
18	3	3					97	158	234	59	18	6
19	4	2					107	140	252	67	14	4
20	4	3				14	125	133	257	61	11	4
21	3	2				14	129	131	264	52	10	6
22	3	2				17	118	138	243	46	10	5
23	3	2				11	122	158	234	44	16	4
24	3	2				11	108	201	212	41	37	7
25	2	2				16	89	262	188	34	27	18
26	2	2				21	100	300	176	31	24	27
27	2	2				22	140	288	174	30	24	30
28	2	2				33	160	288	162	33	39	28
29	2	2				36	152	295	136	27	39	25
30	2	2				50	135	286	135	29	37	23
31	3	-				56	-	252	-	28	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	110	6	2	3.5	218
November	65	3	2	2.2	129
December	62	-	-	2	123
Calendar year 1934	5,366	100	-	14.7	10,640
January	62	-	-	2	123
February	112	-	-	4	222
March	465	56	-	15.0	922
April	2,452	160	28	81.7	4,860
May	5,457	300	76	176	10,820
June	7,828	353	135	261	15,530
July	1,921	120	27	62.0	3,810
August	718	39	10	23.2	1,420
September	493	30	4	16.4	978
Water year 1934-35	19,745	353	-	54.1	39,160

Mancos River near Towaoc, Colo.

Location.- Water-stage recorder, lat. 37°1', long. 108°48', in sec. 15, T. 32 N., R. 18 W., at Mancos River Trading Post, 12 miles south of Towaoc.

Drainage area.- 558 square miles.

Records available.- October 1933 to September 1935 in reports of U. S. Geological Survey; February 1921 to September 1935 in reports of State engineer.

Average discharge.- 14 years, 55.5 second-feet.

Extremes.- Maximum discharge during year, 439 second-feet May 26 (gage height, 1.77 feet); no flow several days in September.
1921-35: Maximum discharge, 4,900 second-feet Aug. 26, 1934 (gage height, 5.85 feet); no flow at times during 1922, 1924, 1925, 1926, 1928, 1930, 1931, 1933-35.

Remarks.- Records fair. Discharge estimated Oct. 28-31, Apr. 22, 23, and Sept. 19-24. Diversions for irrigation above station.

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

0.1	1	0.9	78
.2	3	1.0	98
.3	8	1.1	125
.4	16	1.2	156
.5	25	1.3	190
.6	36	1.4	230
.7	48	1.5	276
.8	62	1.6	328

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1					-	78	173	156	70	8	36
2	1					-	82	156	125	62	6	36
3	1					-	88	140	140	58	3	25
4	1					-	98	125	173	52	1	20
5	1					-	88	125	190	48	8	18
6	0					-	78	140	230	42	2	16
7	0					-	70	147	253	30	2	14
8	0					-	70	140	230	12	2	55
9	0					-	75	140	190	8	1	48
10	0					-	76	173	210	8	2	28
11	0					-	61	190	230	8	3	22
12	0					-	54	210	253	6	25	22
13	0					-	55	210	230	3	12	20
14	0					-	78	253	230	7	6	16
15	0					-	156	253	253	6	3	14
16	0					-	183	218	244	3	36	8
17	1					-	210	190	190	3	34	6
18	1					-	176	190	140	6	16	6
19	1					-	156	173	140	6	14	6
20	0					-	176	156	150	8	12	6
21	0					-	190	156	156	8	8	6
22	1					-	190	156	156	6	7	6
23	1					37	175	156	140	6	6	6
24	1					29	166	173	140	3	48	8
25	1					25	134	230	125	2	62	117
26	1					38	98	328	106	1	30	48
27	1					43	125	318	98	0	30	48
28	1					43	163	276	92	0	36	30
29	1					44	173	253	84	2	36	30
30	1					70	190	230	76	6	36	18
31	1					78	-	202	-	12	36	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	18	1	0	0.6	36
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 23-31	407	78	25	45.2	807
April	3,712	210	54	124	7,360
May	5,980	328	125	193	11,860
June	5,130	253	76	171	10,180
July	492	70	0	15.9	976
August	531	62	1	17.1	1,050
September	739	117	6	24.6	1,470
Water year					

Paria River at Lees Ferry, Ariz.

Location.- Water-stage recorder, lat. 36°51'45", long. 111°35'45", in NW¼NE¼ sec. 13, T. 40 N., R. 7 E., half a mile above mouth and 1 mile northwest of Lees Ferry. Zero of gage is 3,123.6 feet above mean sea level.

Drainage area.- 1,520 square miles.

Records available.- November 1923 to September 1935.

Average discharge.- 12 years, 34.4 second-feet.

Extremes.- Maximum discharge during year, 2,700 second-feet Sept. 1 (gage height, 8.12 feet); minimum, 1.8 second-feet June 28.
1923-35: Maximum discharge, 16,100 second-feet Oct. 5, 1925 (gage height, 17.5 feet); no flow several times in December and January of many years.

Remarks.- Records good except those estimated for periods of ice effect, Dec. 5-7, Jan. 3, 20-25, which are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	8	13	13	27	19	38	15	4	3	15	541
2	6	8	13	13	25	20	39	25	4	3	8	428
3	6	8	12	11	23	35	38	49	4	3	7	46
4	6	8	7	10	22	62	35	46	4	3	6	21
5	6	8	6	18	22	36	34	38	4	3	5	17
6	5	9	9	39	27	27	33	19	4	3	5	14
7	5	9	14	34	52	18	28	19	4	3	5	10
8	5	9	13	29	68	28	32	14	4	3	4	8
9	6	9	14	29	52	38	432	10	3	3	68	7
10	6	10	14	44	40	34	88	9	3	3	19	7
11	5	9	15	33	33	29	56	8	3	4	8	6
12	5	9	18	46	33	30	56	8	4	4	12	6
13	6	10	21	36	110	71	46	7	4	3	11	6
14	6	10	33	25	59	105	33	6	3	3	7	6
15	6	10	70	27	42	102	33	6	3	3	60	6
16	6	11	87	43	19	70	35	6	2	5	171	6
17	6	14	48	36	17	34	31	6	2	11	29	5
18	6	22	34	23	24	28	23	7	3	15	17	5
19	7	27	21	21	33	29	21	7	3	188	9	6
20	8	33	20	8	38	52	20	7	3	69	7	6
21	8	21	25	8	34	32	19	8	3	39	6	5
22	8	14	31	11	33	34	18	10	3	13	14	5
23	7	13	29	10	26	29	16	8	3	8	77	5
24	7	16	23	11	26	31	14	6	3	6	77	6
25	7	16	19	10	25	28	14	6	3	5	64	6
26	7	15	21	41	12	27	13	5	3	5	20	6
27	8	16	18	43	16	31	11	5	3	4	51	12
28	8	9	19	46	20	36	10	5	2	4	47	11
29	8	9	29	39	-	27	10	5	2	4	33	10
30	8	8	26	32	-	29	9	4	3	4	15	11
31	8	-	15	31	-	34	-	4	-	20	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	202	8	5	6.5	401
November	378	33	8	12.6	750
December	737	87	6	23.8	1,460
Calendar year 1934	9,017	1,920	3	24.7	17,880
January	820	46	8	26.5	1,630
February	958	110	12	34.2	1,900
March	1,205	105	18	38.9	2,390
April	1,285	432	9	42.8	2,550
May	378	49	4	12.2	750
June	96	4	2	3.2	190
July	447	188	3	14.4	887
August	893	171	4	28.8	1,770
September	1,234	541	5	41.1	2,450
Water year 1934-35	8,633	541	2	23.7	17,130

Little Colorado River at Grand Falls, Ariz.

Location.- Water-stage recorder, lat. 35°26'15", long. 111°12'30", in T. 24 N., R. 11 E., unsurveyed, on Navajo Indian Reservation at Grand Falls, 38 miles northeast of Flagstaff. Zero of gage is about 4,440 feet above mean sea level.

Drainage area.- 22,100 square miles.

Records available.- November 1925 to September 1935.

Average discharge.- 10 years, 333 second-feet.

Extremes.- Maximum discharge during year, 7,350 second-feet Apr. 10 (gage height, 13.6 feet); no flow on many days.

1925-35: Maximum discharge, 50,500 second-feet Apr. 5, 1929 (gage height, 30.0 feet); no flow during periods of each year.

A discharge of about 120,000 second-feet occurred on Sept. 19, 1923 (gage height, 47.0 feet).

Remarks.- Records excellent except those estimated, which are fair. Stage-discharge relation affected by ice Jan. 19-28. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29			0	106	258	1,650	144		0	83	565
2	20			0	215	221	1,790	147		0	117	1,510
3	12			0	278	194	1,640	139		0	181	2,810
4	6			10	287	239	1,620	153		0	1,690	1,240
5	2			45	287	261	1,650	142		0	2,820	*450
6	1			48	258	480	1,710	109		0	958	*200
7	0			48	248	485	1,840	76		0	236	*150
8	0			1,280	221	386	1,770	75		0	103	95
9	0			682	1,120	280	1,480	74		0	1,100	64
10	0			*370	1,220	240	4,530	58		0	847	43
11	0			*290	941	*210	3,320	39		0	501	26
12	0			672	694	*180	1,980	40		0	249	19
13	0			2,380	1,300	*180	1,350	36		0	704	14
14	0			*680	*680	*140	1,220	40		0	351	8
15	0			*330	*330	*100	1,160	41		0	332	3
16	0			*300	350	931	1,090	33		0	225	1
17	0			304	617	2,630	1,050	25		0	*100	0
18	0			635	378	2,340	*900	17		0	*40	0
19	0			350	228	1,400	*750	12		0	*20	0
20	0			50	*190	*870	*600	12		0	*10	0
21	0			*25	*170	*680	486	8		103	*5	0
22	0			*40	144	*620	408	2		24	*5	0
23	0			*80	297	*590	427	0		80	50	0
24	0			*100	801	451	432	0		70	235	0
25	0			*140	788	427	408	0		36	2,340	0
26	0			*160	706	400	377	0		15	1,280	0
27	0			*170	*460	334	339	0		6	1,200	66
28	0			*160	*320	390	265	0		5	*400	*200
29	0			111	-	762	200	0		4	*200	2,700
30	0			86	-	1,130	156	0		3	*100	827
31	0			75	-	1,330	-	0		19	75	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	70	29	0	2.3	139
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	19,025	3,060	0	52.1	37,740
January	9,621	2,380	0	310	19,080
February	13,834	1,300	106	494	27,440
March	19,159	2,630	100	618	38,000
April	36,598	4,530	156	1,220	72,590
May	1,422	153	0	45.9	2,820
June	0	0	0	0	0
July	365	103	0	11.8	724
August	16,557	2,820	5	534	32,840
September	10,991	2,810	0	366	21,800
Water year 1934-35	108,617	4,530	0	298	215,400

*Estimated.

Moenkopi Wash near Tuba, Ariz.

Location.- Water-stage recorder, lat. 36°5'30", long. 111°18'30", in T. 31 N., R. 10 E., unsurveyed, on Navajo Indian Reservation, at highway bridge 5 miles southwest of Tuba and 17 miles above mouth.

Drainage area.- 2,270 square miles.

Records available.- July 1926 to September 1935.

Extremes.- Maximum discharge during year, 1,500 second-feet Sept. 1 (gage height, 5.08 feet); no flow on many days.
1926-35: Maximum discharge, 15,100 second-feet Aug. 4, 1929 (gage height, 15.4 feet); no flow on several days each year.

Remarks.- Records good except those estimated for periods of ice effect, Dec. 11-13, 27, Jan. 1-5, 17-25, and those for Jan. 26-28, which are fair. Diversions for irrigation above station; none below.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.7	3.0	5.8	2	7.8	5.2	3.4	0		0	13	336
2	3.4	3.0	4.2	2	7.1	5.2	2.4	0		0	43	220
3	3.4	3.0	4.7	3	6.4	5.8	2.1	1.4		0	10	68
4	3.4	3.0	4.7	4	5.8	5.8	.4	5.2		0	11	20
5	3.4	3.4	5.2	6	5.8	5.2	.1	4.1		0	24	7.8
6	3.4	3.0	4.7	16	7.8	4.7	.1	.5		0	4.6	4.7
7	3.4	2.7	5.8	18	10	5.2	.1	.1		0	.2	1.4
8	3.4	3.4	5.8	8.6	7.8	5.8	1.7	0		0	.7	.4
9	3.4	3.4	4.7	7.8	7.1	5.8	2.2	0		0	1.2	.1
10	3.4	3.4	4.7	7.8	7.1	7.1	3.0	0		0	.7	.1
11	3.8	3.8	5	16	5.8	5.8	3.0	0		0	0	.6
12	3.8	4.2	5	78	6.4	5.2	3.4	0		0	0	.2
13	3.8	4.2	6	24	5.9	5.2	2.1	0		0	0	.1
14	3.8	3.8	10	15	5.8	5.2	3.0	0		0	20	.1
15	3.0	3.8	9.4	15	5.2	4.7	2.7	0		0	12	.1
16	3.4	4.2	7.8	17	4.7	4.2	.2	0		0	11	.1
17	3.4	9.6	6.4	18	4.7	4.2	0	0		0	4.2	.8
18	3.8	7.1	5.2	5	6.4	4.2	.4	0		0	1.6	.2
19	4.2	5.8	4.2	4	5.8	3.3	.4	0		0	1.1	.1
20	3.8	7.1	3.4	6	5.2	3.8	.1	0		3.6	1.0	.1
21	3.4	5.2	6.4	2	5.8	3.8	.4	.8		14	.4	0
22	3.4	5.8	5.8	2	5.2	3.8	1.8	.8		3.4	1.7	.1
23	3.0	5.8	5.2	3	4.7	3.8	.2	1.2		.5	190	1.6
24	3.0	5.8	3.6	4	5.2	3.8	.1	.1		0	169	4.2
25	3.0	5.8	4.5	5	5.2	4.2	0	0		0	497	25
26	3.0	5.8	5.3	6	4.2	3.8	0	0		0	64	17
27	3.0	5.2	4	7	3.4	4.2	0	0		0	150	6.4
28	3.0	4.7	7.1	8	5.8	4.2	0	0		0	186	35
29	3.0	5.8	7.1	8.6	-	4.2	0	0		0	51	9.4
30	3.0	5.2	5.8	7.8	-	3.8	0	0		0	15	5.8
31	3.0	-	3.4	7.8	-	3.8	-	0		76	256	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	103.9	4.2	2.7	3.35	206
November	140.0	9.6	2.7	4.67	278
December	170.9	10	3.4	5.51	339
Calendar year 1934	5,760.9	2,600	0	15.8	11,420
January	334.4	78	2	10.8	663
February	168.0	10	3.4	6.00	333
March	145.5	7.1	3.8	4.69	289
April	33.3	3.4	0	1.11	66
May	14.2	5.2	0	.46	28
June	0	0	0	0	0
July	97.5	76	0	3.15	193
August	1,739.4	497	0	56.1	3,450
September	765.4	336	0	25.5	1,520
Water year 1934-35	3,712.5	497	0	10.2	7,360

Bright Angel Creek near Grand Canyon, Ariz.

Location.- Water-stage recorder, lat. 36°5'55", long. 112°5'44", a quarter of a mile above mouth and 11 miles by trail from Grand Canyon, Coconino County. Zero of gage is 2,458.2 feet above mean sea level.

Drainage area.- 100 square miles.

Records available.- October 1923 to September 1935.

Average discharge.- 12 years, 34.8 second-feet.

Extremes.- Maximum discharge during year, 270 second-feet July 20 (gage height, 4.9 feet); minimum, 12 second-feet Oct. 2.
1923-35: Maximum discharge, about 1,000 second-feet July 27, 1926, Sept. 16, 1927; minimum, 9 second-feet June 29, 1934.

Remarks.- Records good. Minor diversions for irrigation above station. Some fluctuation in discharge caused by operation of power plant 9 miles upstream; no regulation by storage.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	19	19	19	19	20	32	141	125	29	24	23
2	18	20	20	19	18	20	38	122	112	28	24	21
3	18	20	20	19	18	23	41	110	108	28	22	22
4	18	20	20	19	19	22	44	99	107	27	22	22
5	19	20	20	19	20	22	46	84	106	26	22	21
6	19	19	21	20	21	21	52	85	103	27	21	22
7	19	19	21	20	21	21	60	101	98	26	22	20
8	19	19	21	20	22	25	78	133	91	26	25	22
9	18	19	21	19	22	22	94	151	86	26	22	21
10	18	19	21	20	21	23	76	212	79	26	22	20
11	19	19	20	22	21	22	64	231	74	25	22	20
12	18	19	20	22	21	26	62	225	70	24	22	20
13	19	19	21	21	22	31	77	212	65	30	22	20
14	18	19	26	22	22	34	95	203	60	25	25	20
15	18	19	32	26	20	30	116	189	56	27	24	20
16	19	19	22	23	19	26	131	168	52	25	26	20
17	19	20	21	21	19	24	140	158	50	25	23	20
18	19	22	20	21	19	24	122	150	44	25	22	20
19	19	28	20	21	19	25	106	141	43	26	22	20
20	19	21	20	20	19	24	125	132	40	41	21	20
21	19	20	20	19	19	22	163	125	39	24	21	20
22	18	19	20	19	20	21	191	123	38	24	20	20
23	19	19	20	19	20	22	203	138	37	24	21	20
24	18	19	20	19	21	22	217	154	35	23	22	21
25	17	19	20	18	21	22	203	166	34	23	22	21
26	17	19	19	19	20	22	194	172	32	24	21	20
27	17	20	19	19	19	23	196	165	32	23	20	20
28	16	20	19	19	19	24	196	150	31	24	20	20
29	18	19	19	19	-	24	181	145	30	24	20	20
30	18	19	19	19	-	28	168	145	30	23	20	20
31	19	-	19	19	-	30	-	140	-	22	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	566	19	17	18.3	1,120
November	592	28	19	19.7	1,170
December	640	32	19	20.6	1,270
Calendar year 1934	6,943	36	15	19.0	13,770
January	621	26	18	20.0	1,230
February	561	22	18	20.0	1,110
March	745	34	20	24.0	1,480
April	3,513	217	32	117	6,970
May	4,700	231	84	152	9,320
June	1,907	125	30	63.6	3,780
July	800	41	22	25.8	1,590
August	683	26	20	22.0	1,350
September	616	23	20	20.5	1,220
Water year 1934-35	15,944	231	17	43.7	31,610

Virgin River at Virgin, Utah

Location.- Chain gage, lat. 37°13', long. 113°11', in SE¼ sec. 22, T. 41 S., R. 12 W., at east edge of Virgin, half a mile below North Creek.

Drainage area.- 990 square miles.

Records available.- April 1909 to September 1926 (fragmentary), October 1926 to September 1935.

Extremes.- Maximum discharge observed during year, 1,760 second-feet Apr. 8 (gage height, 6.18 feet); minimum observed, 51 second-feet July 24, 26.
1909-35: Maximum discharge (estimated), 12,000 second-feet Oct. 27, 1912 (gage height, 11.8 feet, former site and datum); minimum observed, 23 second-feet Sept. 30, 1931.

Remarks.- Records poor. Diversions for irrigation above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Dec. 14, Aug. 25 to Sept. 30)

3.5	41	4.4	474
3.6	66	4.6	602
3.7	100	4.8	735
3.8	142	5.0	871
4.0	242	5.2	1,010
4.2	354		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	90	104	129	134	161	142	242	487	378	86	108	64
2	83	97	129	142	171	142	253	708	354	86	100	176
3	90	83	138	134	180	253	264	389	354	80	80	90
4	90	90	121	125	171	232	242	401	343	80	108	104
5	90	90	*125	117	171	171	264	413	308	86	86	76
6	83	90	129	142	320	125	253	524	320	80	80	69
7	97	83	121	134	275	134	258	563	297	73	73	64
8	104	90	113	125	232	125	1,010	655	297	80	66	*66
9	104	97	121	161	211	161	655	628	264	80	142	69
10	113	90	121	180	*186	152	401	615	242	80	86	64
11	104	*94	129	180	161	142	389	695	221	73	86	66
12	113	97	129	190	221	180	389	615	211	80	86	64
13	104	90	176	180	190	221	425	628	190	80	66	64
14	113	90	248	171	180	*221	401	615	171	*100	73	64
15	113	76	*500	171	190	221	499	524	152	142	100	58
16	121	76	161	180	161	190	576	474	134	100	308	64
17	104	113	171	161	142	180	589	524	142	80	221	54
18	121	280	161	152	152	171	389	474	134	152	108	54
19	121	206	161	161	142	180	474	389	125	117	93	54
20	113	147	152	*130	142	152	563	401	125	378	86	138
21	113	121	142	100	161	171	*620	413	93	80	80	64
22	104	104	134	134	152	171	681	487	93	73	80	69
23	113	121	134	152	134	161	708	524	*95	61	161	64
24	113	121	142	161	142	152	487	512	100	51	286	104
25	104	113	142	161	134	171	499	*490	100	56	216	97
26	121	104	152	142	142	180	499	474	93	51	166	64
27	113	113	161	161	152	221	524	487	93	66	129	69
28	76	121	152	152	142	190	487	474	93	80	76	83
29	90	129	152	152	-	180	563	474	86	117	54	69
30	83	121	134	142	-	242	*750	462	80	80	54	76
31	76	-	125	142	-	232	-	413	-	232	97	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,177	121	76	102	6,300
November	3,351	280	76	112	6,650
December	4,805	500	113	155	9,530
Calendar year 1934	41,926	681	28	115	83,160
January	4,669	190	100	151	9,260
February	4,918	320	134	176	9,750
March	5,566	253	125	180	11,040
April	14,354	1,010	242	478	28,470
May	15,932	708	389	514	31,600
June	5,688	378	80	190	11,280
July	3,060	378	51	98.7	6,070
August	3,555	308	54	115	7,050
September	2,281	176	54	76.0	4,520
Water year 1934-35	71,356	1,010	51	195	141,500

*Estimated.

Virgin River at Littlefield, Ariz.

Location.- Staff gage, lat. 36°53', long. 113°56', in SW¼ sec. 4 (revised), T. 40 N., R. 15 W., half a mile below Beaverdam Wash and the same distance above Littlefield.

Drainage area.- 4,400 square miles.

Records available.- October 1929 to September 1935.

Extremes.- Maximum discharge observed during year, about 1,900 second-feet Aug. 16 (gage height, 5.00 feet); minimum observed, 23 second-feet Aug. 31.
1929-35: Maximum discharge (estimated), 25,000 second-feet Aug. 27, 1932; minimum observed, that of Aug. 31, 1935.

Remarks.- Records poor. No diversions in Arizona above this point except a few second-feet from Beaverdam Springs. Mesquite Canal diverts water a few miles downstream for irrigation in Nevada.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	83	146	225	232	162	203	557	369	52	70	39
2	60	79	141	218	235	182	208	565	302	52	70	47
3	59	83	132	208	235	319	229	573	282	53	67	195
4	62	83	135	203	243	290	221	533	268	54	81	254
5	62	86	144	221	262	260	235	533	262	53	85	210
6	63	83	139	251	285	224	229	565	257	52	60	115
7	62	83	144	251	348	218	235	573	229	52	54	68
8	62	83	144	246	378	224	1,380	597	208	52	57	67
9	53	85	144	243	313	224	1,180	613	167	53	262	59
10	50	86	141	243	302	229	693	701	157	53	63	56
11	47	83	144	237	290	246	613	653	153	54	65	54
12	47	83	144	240	282	285	613	573	135	54	63	53
13	46	85	195	235	274	410	553	653	126	52	63	53
14	59	83	378	237	268	313	557	645	109	52	59	53
15	63	86	886	235	235	319	553	605	96	54	310	53
16	65	86	218	226	240	290	533	533	92	319	1,800	52
17	68	88	182	229	240	271	581	613	88	67	725	53
18	98	102	167	226	240	235	593	581	81	67	184	53
19	232	271	162	226	224	262	653	423	74	63	104	63
20	115	170	182	221	218	268	733	419	70	182	72	75
21	102	155	192	229	218	235	773	397	67	157	50	75
22	106	144	182	229	216	213	733	413	70	74	45	79
23	106	144	235	226	218	213	729	413	67	74	195	81
24	100	146	232	235	190	218	832	433	63	70	184	83
25	102	146	235	235	172	218	868	390	57	70	184	210
26	102	139	232	232	167	221	605	423	57	67	633	130
27	104	144	226	235	162	229	573	426	54	67	174	96
28	94	146	235	246	162	226	545	423	56	63	132	63
29	102	150	232	243	-	208	545	390	52	54	59	56
30	100	146	235	232	-	208	549	390	52	52	39	62
31	90	-	232	232	-	203	-	375	-	113	23	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,543	232	46	82.0	5,040
November	3,431	271	79	114	6,810
December	6,536	886	132	211	12,960
Calendar year 1934	38,360	913	32	105	76,080
January	7,195	251	203	232	14,270
February	6,849	378	162	245	13,580
March	7,623	410	162	246	15,120
April	17,547	1,380	203	585	34,800
May	15,981	701	375	516	31,700
June	4,120	369	52	137	8,170
July	2,351	319	52	75.8	4,660
August	6,032	1,800	23	195	11,960
September	2,607	254	39	86.9	5,170
Water year 1934-35	82,815	1,800	23	227	164,200

North Fork of Virgin River near Springdale, Utah

Location.- Staff gage, lat. 37°12'35", long. 112°58'40", in SW¼NW¼ sec. 22, T. 41 S., R. 10 W., in Zion National Park, half a mile below Pine Creek and 2 miles northeast of Springdale.

Records available.- October 1932 to September 1935 at present site; June to November 1923, April 1925 to September 1932 at site a quarter of a mile above Pine Creek.

Extremes.- Maximum discharge observed during year, 1,980 second-feet Apr. 8 (gage height, 5.00 feet); minimum observed, 28 second-feet Jan. 4.
1925-35: Maximum discharge (estimated), 3,000 second-feet Aug. 3, 1929, and Sept. 7, 1933 (gage height, 7.00 feet at present gage, 11.0 feet at former gage); minimum observed, 24 second-feet Dec. 17 and 31, 1928.

Remarks.- Records fair. Springdale Canal diverts from North Fork of Virgin River in NW¼NW¼ sec. 22, T. 41 S., R. 10 W., for irrigation in vicinity of Springdale. Total flow of North Fork of Virgin River at park boundary is given in table of combined discharge of North Fork of Virgin River and Springdale Canal. (See following page.)

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1, 4, 6, 8, 12)

0.6	28	2.0	293
.8	44	2.3	393
1.0	66	2.6	507
1.2	97	3.0	700
1.4	136	3.5	960
1.6	181	4.0	1,270
1.8	233		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	*34	*31	32	48	54	94	309	345	64	44	50
2	*30	*34	*31	32	46	64	106	376	309	65	42	52
3	*31	*34	*31	35	46	80	116	278	293	65	44	50
4	32	34	51	28	48	73	116	293	287	64	42	48
5	*32	*34	*31	40	52	60	136	309	245	64	42	48
6	32	*34	*31	54	80	56	*136	376	222	62	40	44
7	*32	34	31	54	74	56	136	528	206	60	42	46
8	32	*34	*31	54	80	59	*1,020	467	196	54	40	46
9	*32	34	*31	44	*67	64	248	483	191	52	44	44
10	*32	*34	31	44	54	52	158	700	181	50	44	42
11	*32	34	*31	54	58	48	158	570	186	48	51	40
12	32	*34	*35	54	82	66	170	467	149	44	48	42
13	*32	*34	136	49	66	116	181	448	136	66	44	42
14	*32	*34	206	44	64	80	194	437	128	*100	48	42
15	*32	34	158	60	46	97	233	429	124	*150	156	42
16	*32	*34	*75	44	35	60	278	459	116	54	66	42
17	*32	*75	*50	58	44	72	228	467	97	44	54	42
18	*33	*250	*45	44	54	74	181	319	94	54	60	*50
19	*33	206	40	44	60	77	239	358	94	66	54	*400
20	*33	*100	44	42	64	60	309	372	90	*750	54	*70
21	*33	38	49	42	59	62	516	379	83	*200	54	44
22	*33	*37	49	44	54	66	610	386	83	59	66	44
23	*33	*36	35	46	54	64	499	429	80	54	54	49
24	*33	35	35	48	42	60	507	411	77	49	206	54
25	*34	*35	35	50	35	61	507	437	73	44	59	54
26	*34	*34	32	54	44	64	528	422	66	44	54	52
27	*34	33	35	49	40	72	467	407	65	42	54	52
28	*34	*32	44	52	44	66	376	393	66	80	54	52
29	34	31	35	52	-	64	358	400	66	44	52	52
30	*34	*31	32	50	-	88	376	407	64	44	50	52
31	*34	-	32	52	-	88	-	358	-	44	48	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,007	34	29	32.5	2,000
November	1,517	250	31	50.6	3,010
December	1,543	206	31	49.8	3,060
Calendar year 1934	16,612	250	26	45.5	32,960
January	1,449	60	28	46.7	2,870
February	1,542	82	35	55.1	3,060
March	2,123	116	48	68.5	4,210
April	9,181	1,020	94	306	18,210
May	12,854	700	278	415	25,500
June	4,412	345	64	147	8,750
July	2,680	750	42	86.5	5,320
August	1,812	206	40	58.5	3,590
September	1,787	400	40	59.6	3,540
Water year 1934-35	41,907	1,020	28	115	83,120

*Estimated.

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Combined discharge, in second-feet, of North Fork of Virgin River and Springdale Canal near Springdale, Utah, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	35	40	37	39	59	59	103	317	356	69	55	58
2	36	40	37	39	57	70	114	390	319	72	52	60
3	37	40	37	41	59	85	124	285	302	72	55	58
4	38	40	37	36	60	77	124	300	295	72	53	56
5	38	40	37	49	64	64	144	318	252	72	53	59
6	38	40	37	64	93	60	144	389	227	70	50	55
7	38	40	37	74	81	60	143	546	212	68	52	57
8	38	40	37	74	87	64	1,030	483	201	62	50	54
9	38	40	36	64	74	69	248	503	196	60	47	51
10	38	40	36	64	60	57	158	720	185	58	47	49
11	38	40	36	74	64	53	158	590	191	55	55	47
12	38	40	41	64	90	74	176	484	154	51	52	49
13	38	40	149	69	72	124	189	466	142	75	49	49
14	38	40	219	54	70	87	202	454	133	109	52	48
15	38	40	178	69	51	104	243	445	128	154	170	48
16	38	40	85	53	39	66	292	476	120	58	71	48
17	38	81	56	68	49	78	239	485	100	48	59	48
18	39	256	49	54	66	80	189	332	97	58	65	58
19	39	212	43	54	65	84	249	368	97	70	58	420
20	39	106	46	50	76	66	323	384	93	750	58	76
21	40	44	58	50	64	68	530	392	86	200	58	49
22	40	43	58	53	59	71	632	399	86	67	73	49
23	40	42	44	54	59	69	521	446	83	62	59	54
24	40	41	43	60	46	65	521	427	80	57	218	60
25	41	41	43	61	39	65	520	454	77	52	64	60
26	41	49	39	66	48	69	541	438	71	53	59	58
27	41	39	44	61	44	77	486	423	70	52	58	57
28	41	38	54	64	48	70	393	407	71	91	58	57
29	41	37	43	64	-	69	375	415	71	54	56	57
30	41	37	39	62	-	93	388	423	69	53	58	57
31	41	-	39	63	-	94	-	349	-	53	55	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,204	41	35	38.8	2,390
November	1,697	256	37	56.6	3,370
December	1,774	219	36	57.2	3,520
Calendar year 1934	18,952	256	34	51.9	37,600
January	1,811	74	36	58.4	3,590
February	1,743	93	39	62.2	3,460
March	2,291	124	53	73.9	4,540
April	9,499	1,030	103	317	18,840
May	13,308	720	285	429	26,400
June	4,564	356	69	152	9,050
July	2,897	750	48	93.5	5,750
August	2,018	218	47	65.1	4,000
September	2,006	420	47	66.9	3,980
Water year 1934-35	44,812	1,030	35	123	88,890

Williams River at Planet, Ariz.

Location.- Water-stage recorder, lat. 34°15'30", long. 113°59'15", in NE¼ sec. 36, T. 11 N., R. 17 W., 1 mile west of Planet and 12 miles above mouth. Zero of gage is 556.56 feet above mean sea level, by Metropolitan Water District of Southern California.

Drainage area.- 5,140 square miles.

Records available.- September 1910 to December 1915 (fragmentary), October 1928 to September 1935.

Extremes.- Maximum discharge during year, 15,900 second-feet Feb. 7 (gage height, 6.92 feet); minimum, 7 second-feet Oct. 1.

1928-35: Maximum discharge, 55,500 second-feet Aug. 5, 1931 (gage height, 12.3 feet); minimum, 7 second-feet Sept. 30 and Oct. 1, 1934.

Flood about Jan. 19, 1916, was probably greater than 100,000 second-feet.

Remarks.- Records good except those for Jan. 19-25, which are fair. Daily discharge Jan. 19-25, 30, 31, and Sept. 30 estimated from partial gage-height record or interpolated. Minor diversions above station for irrigation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	9	10	11	17	27	33	23	23	21	20	47
2	8	10	10	11	16	44	28	23	23	21	20	145
3	9	10	10	11	16	55	24	23	23	21	20	410
4	9	10	10	11	15	637	23	23	23	21	19	53
5	9	10	10	11	22	2,150	21	23	23	20	19	28
6	9	10	10	27	38	1,690	21	23	23	20	19	23
7	9	10	10	515	6,070	945	21	23	23	20	19	21
8	9	10	10	153	7,120	890	21	23	23	20	19	20
9	9	11	10	42	4,770	1,100	21	23	23	20	19	20
10	9	11	10	12	2,050	890	22	23	23	20	19	20
11	9	11	10	16	1,350	452	22	23	23	20	19	19
12	9	11	11	69	885	480	22	23	22	20	19	18
13	9	10	13	889	2,660	522	22	23	22	20	19	18
14	9	11	12	205	1,270	536	22	23	22	20	20	19
15	9	11	47	38	904	350	23	23	22	20	19	19
16	10	11	405	985	686	210	23	23	22	20	27	19
17	10	11	226	992	614	270	23	23	22	20	31	19
18	10	10	27	388	374	230	23	23	22	20	34	20
19	10	10	15	200	386	210	23	24	22	20	21	19
20	10	10	13	100	326	174	23	24	21	20	19	20
21	10	10	13	40	260	118	23	24	21	20	19	20
22	10	10	13	20	200	112	23	25	21	20	19	19
23	9	10	12	19	126	106	23	25	21	20	88	19
24	9	10	12	18	99	87	23	25	21	20	20	20
25	9	10	12	16	66	77	23	25	21	20	172	50
26	9	10	11	15	52	69	23	25	21	20	47	163
27	9	10	11	20	52	67	23	24	21	20	23	111
28	9	10	11	33	34	58	23	24	21	20	20	139
29	9	10	11	18	-	52	23	24	21	20	20	51
30	9	10	11	18	-	41	23	24	21	20	21	25
31	9	-	11	17	-	33	-	24	-	20	326	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	284	10	8	9.2	563
November	307	11	9	10.2	609
December	1,007	405	10	32.5	2,000
Calendar year 1934	6,250	405	8	17.1	12,400
January	4,920	992	11	159	9,760
February	30,678	7,120	15	1,096	60,850
March	12,882	2,150	27	416	25,550
April	691	33	21	23.0	1,370
May	731	25	23	23.6	1,450
June	660	23	21	22.0	1,310
July	624	21	20	20.1	1,240
August	1,196	326	19	38.6	2,370
September	1,594	410	18	53.1	3,160
Water year 1934-35	55,574	7,120	8	152	110,200

Gila River near Gila, N. Mex.

Location.- Water-stage recorder, lat. 33°3', long. 108°32', in sec. 30, T. 14 S., R. 16 W., at Hooker dam site, 1 mile above mouth of Mogollon Creek and 7 miles northeast of Gila. Zero of gage is 4,655.8 feet above mean sea level.

Drainage area.- 1,780 square miles.

Records available.- October 1930 to September 1935 in reports of U. S. Geological Survey; January 1929 to December 1931 in reports of State engineer, at present site. April to December 1914 in reports of U. S. Geological Survey; April to December 1914, November 1927 to December 1928 in reports of State engineer, at a site 3 miles upstream and about a quarter of a mile below mouth of Turkey Creek.

Extremes.- Maximum discharge during year, 615 second-feet Sept. 3 (gage height, 5.36 feet); minimum daily discharge, 28 second-feet July 5, 6.
1930-35: Maximum discharge, 2,310 second-feet Feb. 11, 1932 (gage height, 7.40 feet); minimum daily discharge, 21 second-feet June 22, 27, 1934.

Remarks.- Records good. One small diversion for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56	56	60	71	84	122	168	111	81	29	51	318
2	53	57	60	66	64	126	163	113	78	29	56	270
3	53	56	58	69	83	147	161	113	74	28	62	458
4	50	56	56	68	81	171	159	122	71	28	83	386
5	48	56	56	69	79	168	159	124	68	26	74	308
6	46	53	57	94	96	163	154	107	69	26	94	298
7	45	54	60	138	135	151	151	97	71	30	79	196
8	44	54	62	126	254	142	149	92	68	35	71	156
9	44	54	63	111	225	138	163	86	66	37	66	131
10	42	54	63	105	193	135	188	84	66	38	62	138
11	50	54	62	101	196	133	180	86	69	38	56	118
12	103	57	62	122	188	126	161	92	68	32	50	99
13	113	60	74	126	176	133	142	96	72	31	57	86
14	84	60	79	118	176	168	135	97	71	33	86	78
15	76	60	74	111	196	214	135	94	66	32	69	71
16	69	63	72	131	180	254	138	90	58	32	62	64
17	68	72	68	186	154	254	154	99	53	32	56	62
18	63	69	66	171	142	240	168	120	50	33	58	57
19	60	69	63	147	147	231	171	113	*45	37	76	56
20	58	63	62	122	161	234	156	99	*42	48	79	54
21	56	61	60	99	186	214	140	88	*41	48	*78	54
22	57	74	62	98	206	196	128	84	*40	44	76	56
23	58	71	63	92	212	183	124	79	*39	38	72	76
24	58	69	62	96	203	178	126	76	38	37	92	78
25	56	68	58	96	190	186	131	74	36	35	96	83
26	56	66	56	90	166	198	128	76	32	36	94	74
27	56	66	56	86	144	186	122	83	30	33	99	95
28	54	66	62	86	128	173	118	86	30	30	101	184
29	56	64	78	86	-	168	116	88	30	31	180	140
30	56	63	78	86	-	168	113	86	29	34	186	105
31	56	-	76	86	-	168	-	83	-	36	225	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,844	113	42	59.5	3,660
November	1,887	83	53	62.9	3,740
December	1,988	79	56	64.1	3,940
Calendar year 1934	22,975	518	22	62.9	45,570
January	3,243	186	66	105	6,430
February	4,467	254	79	160	8,860
March	5,468	254	122	176	10,850
April	4,401	188	113	147	8,730
May	2,938	124	74	94.8	5,830
June	1,651	81	29	55.0	3,270
July	1,056	48	26	34.1	2,090
August	2,646	225	50	85.4	5,250
September	4,349	458	54	145	8,630
Water year 1934-35	35,938	458	26	98.5	71,280

*Estimated.

Gila River near Red Rock, N. Mex.

Location.- Water-stage recorder, lat. 32°45', long. 108°40', in sec. 23, T. 18 S., R. 18 W., 11 miles below mouth of Mangas Creek.

Drainage area.- 2,840 square miles.

Records available.- May 1908 to December 1914, October 1930 to September 1935 in reports of U. S. Geological Survey; May 1908 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, about 4,600 second-feet Sept. 28 (gage height, 9.90 feet); minimum daily discharge, 12 second-feet July 29, 30.
1930-35: Maximum discharge, about 12,600 second-feet July 3, 1931 (gage height, 11.46 feet); minimum daily discharge, 5.0 second-feet June 18, 1934.

Remarks.- Records good except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	65	82	95	113	197	218	108	73	18	44	754
2	57	65	81	96	110	191	212	102	78	28	115	550
3	57	65	80	95	113	193	195	98	77	28	77	632
4	56	66	80	95	110	209	193	109	74	29	99	522
5	57	68	80	98	108	220	195	121	74	31	101	*400
6	55	68	80	103	115	214	191	118	73	*30	85	*350
7	54	68	80	168	117	212	183	107	75	*29	87	*250
8	52	68	80	175	289	207	179	93	68	28	83	*200
9	49	70	81	168	349	195	*190	83	69	26	71	133
10	52	77	81	162	314	179	*200	82	65	27	80	117
11	55	78	81	155	361	183	209	74	59	27	76	*110
12	66	79	81	155	346	175	195	74	58	26	76	*110
13	71	77	84	160	303	168	181	76	63	26	91	100
14	68	74	89	*160	270	181	173	82	72	25	91	93
15	65	75	87	*140	308	222	164	89	68	22	89	*87
16	63	80	87	*150	308	289	153	91	63	18	86	*78
17	64	81	87	*190	270	340	149	92	57	18	81	*71
18	63	82	87	*230	231	328	*158	101	57	18	91	*63
19	63	82	86	*200	229	317	*166	112	42	17	91	*58
20	63	84	86	*180	255	308	175	109	39	15	183	*56
21	64	85	86	*150	305	278	166	100	36	21	103	*59
22	61	85	87	*140	355	265	158	96	35	22	102	*59
23	62	85	87	*130	379	243	146	94	34	24	133	*78
24	63	85	87	*130	373	236	142	86	*33	26	158	95
25	64	84	88	*130	349	236	141	81	32	22	134	120
26	65	83	88	127	303	248	136	80	30	22	131	110
27	66	84	87	124	258	238	133	78	24	21	113	109
28	63	83	90	120	214	229	125	77	25	17	107	827
29	63	83	94	120	-	222	120	80	25	12	193	164
30	62	83	96	115	-	220	114	76	26	12	450	134
31	64	-	95	114	-	220	-	71	-	15	297	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,885	71	49	60.8	3,740
November	2,312	85	65	77.1	4,590
December	2,645	96	80	85.3	5,250
Calendar year 1934	27,001.7	2,610	7.0	74.0	53,560
January	4,375	230	95	141	8,680
February	7,155	379	108	256	14,190
March	7,163	340	168	231	14,210
April	5,060	218	114	169	10,040
May	2,840	121	71	91.6	5,630
June	1,604	78	24	53.5	3,180
July	702	31	12	22.6	1,390
August	3,718	450	44	120	7,370
September	6,489	827	56	216	12,870
Water year 1934-35	45,948	827	12	126	91,140

*Estimated.

Gila River at Fuller ranch, near Duncan, Ariz.

Location.- Water-stage recorder, lat. 32°38'45", long. 108°50'45", in SE¼SW¼ sec. 18, T. 19 S., R. 19 W., N. Mex., at head of canyon immediately downstream from Fuller ranch, 16 miles east of Duncan. Zero of gage is about 3,875 feet above mean sea level.

Drainage area.- 3,140 square miles.

Records available.- June 1931 to September 1935. May 1914 to September 1915 at station 6 miles downstream, above intake of Sunset canal. January 1923 to September 1926 at station 8 miles downstream, and October 1926 to September 1931 at Virden Bridge, 8½ miles downstream, both below intake of Sunset Canal.

Extremes.- Maximum discharge during year, 8,600 second-feet Sept. 27 (gage height, 13.3 feet); minimum, 3 second-feet July 27 (gage height, 4.06 feet).
1931-35: Maximum discharge, 9,100 second-feet Aug. 3, 1931 (gage height, 13.6 feet); minimum, 1 second-foot July 14, 1934 (gage height, 3.94 feet).

Remarks.- Records good including those for Sept. 28-30, which were estimated from a gage-height graph based on partial record, flood marks, and comparison with graph at Red Rock. Diversions for irrigation above station. Station is above all diversions for Duncan Valley.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	70	89	113	128	206	221	97	55	8	44	381
2	63	68	91	115	121	200	213	88	52	8	107	950
3	61	70	89	110	116	206	167	86	61	8	78	607
4	61	68	89	110	112	221	183	99	58	9	92	635
5	59	65	89	110	112	236	183	116	52	10	135	430
6	58	59	91	117	118	236	183	128	52	8	91	419
7	56	56	91	152	128	232	180	110	56	8	86	291
8	51	55	91	169	272	221	177	97	64	8	82	215
9	45	55	93	185	297	206	183	62	60	8	70	175
10	42	63	93	181	333	190	196	70	58	8	72	155
11	42	72	93	163	398	187	210	60	64	10	77	127
12	65	75	93	151	348	180	187	54	66	8	76	108
13	83	75	95	160	290	177	171	51	51	8	91	99
14	95	70	97	163	260	190	157	49	62	8	84	89
15	91	66	101	148	281	251	148	56	66	7	74	77
16	93	72	104	146	299	314	125	62	58	6	69	70
17	91	79	104	183	260	365	123	76	52	7	55	66
18	83	85	104	221	236	348	125	101	44	6	55	58
19	75	91	104	200	232	323	135	118	39	5	76	56
20	72	95	101	180	264	314	151	125	34	6	187	56
21	70	97	99	160	304	290	148	112	27	6	103	47
22	74	101	99	141	338	268	143	99	35	5	96	45
23	70	99	99	133	348	251	128	92	24	6	160	62
24	74	99	99	133	343	236	123	84	20	6	149	150
25	75	97	99	135	323	236	123	74	16	6	123	110
26	72	97	99	135	285	247	125	62	14	6	125	95
27	76	97	99	130	255	251	121	60	13	4	110	650
28	74	95	99	128	224	240	116	62	10	4	97	2,100
29	72	87	104	128	-	228	116	62	10	5	180	500
30	70	89	108	128	-	224	110	61	10	6	453	250
31	68	-	108	128	-	224	-	56	-	6	199	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,145	95	42	69.2	4,250
November	2,367	101	55	78.9	4,690
December	3,014	108	89	97.2	5,980
Calendar year 1934	33,847	4,980	2	92.7	67,130
January	4,576	221	110	148	9,080
February	7,025	398	112	251	13,930
March	7,498	365	177	242	14,870
April	4,691	221	110	156	9,300
May	2,549	128	49	82.2	5,060
June	1,273	66	10	42.4	2,520
July	214	10	4	6.9	424
August	3,498	453	44	113	6,940
September	9,073	2,100	45	302	18,000
Water year 1934-35	47,923	2,100	4	131	95,040

Gila River near Clifton, Ariz.

Location.- Water-stage recorder, lat. 32°57'30", long. 109°18'15", in SE¼ sec. 25, T. 5 S., R. 29 E., at highway bridge 7 miles south of Clifton and 5 miles above San Francisco River.

Drainage area.- 4,040 square miles.

Records available.- March 1928 to October 1933, May to September 1935. November 1910 to July 1918 at a station 4 miles upstream, published as "Gila River at Guthrie, Ariz."

Extremes.- Maximum discharge recorded during year, 3,100 second-feet Aug. 31 (gage height, 10.22 feet); minimum, 10 second-feet July 28.

Maximum discharge during period Oct. 18, 1933, to Apr. 30, 1935, when station was not in operation, about 11,500 second-feet probably Aug. 26, 1934 (gage height, 16.0 feet, from flood marks.).

1928-35: Maximum discharge, that of Aug. 26, 1934; minimum probably occurred in 1934; minimum recorded, that of July 28, 1935.

Remarks.- Records good. Discharge estimated May 1-10 and Sept. 8-18 by comparison with flow at related stations. Diversions for irrigation above station. Station is below all diversions from Gila River above San Francisco River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								50	23	18	110	919
2								40	24	18	74	890
3								40	23	18	48	627
4								40	22	19	41	554
5								60	21	19	67	491
6								60	19	19	40	389
7								60	19	19	27	315
8								50	19	19	45	200
9								50	20	18	45	140
10								40	19	17	22	100
11								38	20	18	20	80
12								34	21	16	19	60
13								32	19	16	19	50
14								30	19	17	19	40
15								26	18	16	17	30
16								24	17	16	16	30
17								25	18	16	16	25
18								30	19	16	17	25
19								27	22	17	17	27
20								25	22	17	340	25
21								32	19	17	177	23
22								38	18	16	130	23
23								38	17	15	95	24
24								32	18	14	290	168
25								33	17	13	250	231
26								31	17	13	111	87
27								33	17	13	85	68
28								34	16	14	117	992
29								27	17	13	629	331
30								24	18	15	447	174
31								24	-	16	830	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	1,127	60	24	36.4	2,240
June	580	24	17	19.3	1,150
July	508	19	13	16.4	1,010
August	4,180	830	16	135	8,290
September	7,138	992	23	238	14,160
The period					26,850

Gila River below Bonita Creek, near Solomonsville, Ariz.

Location.- Water-stage recorder, lat. 32°53'15", long. 109°29'45", in SE¼ sec. 21, T. 6 S., R. 28 E., unsurveyed, three-eighths of a mile below Bonita Creek and 10 miles northeast of Solomonsville.

Drainage area.- 7,900 square miles.

Records available.- February 1932 to October 1933, May to September 1935. April 1914 to September 1932, at a station published as "Gila River near Solomonsville, Ariz.", 3 miles downstream and below intake of Brown Canal.

Average discharge.- 12 years (1921-33), 400 second-feet.

Extremes.- Maximum discharge recorded during year, 5,500 second-feet Sept. 1 (gage height, 13.5 feet); minimum, 45 second-feet July 29.

Maximum discharge during period station was not in operation, Oct. 20, 1933, to Apr. 30, 1935, about 23,000 second-feet probably Aug. 27, 1934 (gage height, 19.4 feet, from flood marks).

1914-35: Maximum discharge, about 100,000 second-feet Jan. 19, 1916; minimum probably occurred in 1934; minimum recorded, 29 second-feet July 4, 1923.

Remarks.- Records good. Discharge estimated May 1-11 by comparison with flow at related stations. Diversions for irrigation above station. Station is above all diversions for Safford Valley.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								190	110	53	590	2,400
2								180	107	53	471	1,950
3								180	102	53	415	1,550
4								200	100	54	229	908
5								270	97	56	351	931
6								260	92	59	512	613
7								240	89	61	391	487
8								210	92	61	229	346
9								190	100	59	253	265
10								170	100	58	148	198
11								170	100	66	134	161
12								170	102	58	120	134
13								178	97	62	124	113
14								174	94	66	193	105
15								166	92	61	161	94
16								157	84	58	134	87
17								144	78	56	117	84
18								166	82	58	125	82
19								187	78	91	189	89
20								178	74	93	630	105
21								174	70	72	284	87
22								174	66	76	192	84
23								170	64	70	328	111
24								153	61	59	363	196
25								141	62	54	554	314
26								141	59	53	332	153
27								144	59	53	219	117
28								148	58	51	244	1,300
29								141	56	48	983	820
30								127	54	54	746	414
31								113	-	60	1,370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	5,406	270	113	174	10,720
June	2,479	110	54	82.6	4,920
July	1,886	93	48	60.8	3,740
August	11,121	1,370	117	359	22,060
September	14,298	2,400	82	477	28,360
The period					69,600

Gila River at Calva, Ariz.

Location.- Water-stage recorder, lat. 33°11'15", long. 110°12'45", in sec. 5, T. 3 S., R. 21 E., unsurveyed, on San Carlos Indian Reservation, at railroad bridge at head of San Carlos Reservoir, 1½ miles northwest of Calva. Zero of gage is 2,514.7 feet above mean sea level, from Arizona Highway Department bench mark.

Drainage area.- 11,490 square miles.

Records available.- March 1929 to September 1935.

Extremes.- Maximum discharge during year, 4,470 second-feet July 31 (gage height, 6.24 feet); no flow during parts of June and July.
1929-35: Maximum discharge, 21,500 second-feet Feb. 12, 1932 (gage height, 9.7 feet); no flow in June or July of several years.
A flood peak probably in excess of 100,000 second-feet occurred Jan. 20, 1916.

Remarks.- Records good. Discharge estimated Aug. 5-9, 27-29, Sept. 14-17, 30, from partial record. Major diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	70	15	92	206	200	446	128	56	15	0	249	2,040
2	64	15	82	195	181	379	112	53	15	0	1,190	2,090
3	59	15	88	206	153	364	105	46	15	0	299	2,110
4	53	16	92	211	140	386	95	46	15	0	269	1,020
5	46	15	92	206	140	364	78	51	14	0	115	775
6	40	15	78	956	167	319	78	62	12	0	130	702
7	33	15	72	2,130	543	327	70	82	16	0	155	473
8	31	15	75	937	1,269	349	72	75	16	0	85	437
9	27	16	82	595	1,550	349	85	62	15	0	45	324
10	26	15	92	522	1,150	356	72	51	15	0	35	244
11	26	15	101	482	1,020	420	67	42	14	0	28	198
12	26	15	95	429	1,330	356	101	38	10	0	95	142
13	24	15	98	429	1,020	306	105	38	10	0	73	108
14	22	16	105	501	713	255	101	35	10	0	15	80
15	22	16	116	446	719	233	88	33	8	0	234	70
16	22	23	124	429	1,400	268	72	29	7	0	45	55
17	22	20	128	557	892	463	67	31	7	0	21	40
18	22	18	140	696	676	542	62	35	6	0	15	31
19	21	19	153	482	562	463	59	29	6	0	17	28
20	20	58	172	455	522	455	62	29	4	0	57	26
21	20	57	162	429	463	472	67	33	3	0	94	23
22	18	72	148	356	463	438	64	33	2	0	65	24
23	18	98	136	312	522	403	59	29	2	0	31	22
24	16	95	124	287	542	364	67	26	2	0	505	20
25	16	82	120	262	595	334	59	26	1	0	662	17
26	16	78	136	244	641	255	53	24	1	0	725	17
27	16	78	157	233	519	227	48	26	1	0	250	23
28	16	88	153	222	512	217	42	26	0	0	110	29
29	16	95	153	238	-	172	40	20	0	3	190	867
30	16	98	167	238	-	157	44	18	0	0	1,140	420
31	16	-	214	222	-	136	-	15	-	650	2,530	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	860	70	16	27.7	1,710
November	1,208	98	15	40.3	2,400
December	3,747	214	72	121	7,430
Calendar year 1934	66,495.6	12,500	0	182	131,900
January	14,113	2,130	195	455	27,990
February	18,604	1,550	140	664	36,900
March	10,575	542	136	341	20,980
April	2,222	128	40	74.1	4,410
May	1,199	82	15	38.7	2,380
June	242	16	0	8.1	480
July	653	650	0	21.1	1,300
August	9,474	2,530	15	306	18,790
September	12,455	2,110	17	415	24,700
Water year 1934-35	75,352	2,530	0	206	149,500

San Carlos Reservoir at Coolidge Dam, Ariz.

Location.- Lat. 33°10'15", long. 110°31'45", in NW¼ sec. 17, T. 3 S., R. 18 E., unsurveyed, at Coolidge Dam.
Drainage area.- 12,880 square miles.
Records available.- November 1928 to September 1935.
Extremes.- Maximum contents during year, 189,600 acre-feet Mar. 29 (elevation of water surface, 2,438.54 feet); minimum, 55,500 acre-feet Nov. 18, 19 (elevation, 2,407.34 feet).
1928-35: Maximum contents, 444,200 acre-feet Apr. 5, 6, 1932 (elevation, 2,471.56 feet); water below outlet gates in 1928 and several months in 1929.
Remarks.- Lowest outlet in dam at elevation 2,383.00 feet. Reservoir capacity for available stored water, 1,165,000 acre-feet at spillway elevation of 2,523.00 feet. Records of daily gage height and contents furnished by U. S. Indian Service. Gage not read on Sundays or holidays; gage height for such days interpolated.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	411.85	408.38	407.76	409.37	420.50	433.82	438.37	436.31	431.90	424.34	415.25	420.52
2	411.78	408.32	407.77	409.48	420.54	433.92	438.30	436.21	431.70	424.04	415.32	421.61
3	411.68	408.22	407.78	409.59	420.58	434.10	438.23	436.11	431.51	423.73	416.25	422.70
4	411.59	408.14	407.79	409.71	420.62	434.27	438.15	436.04	431.33	423.42	416.32	423.64
5	411.49	408.06	407.80	409.85	420.64	434.64	438.05	435.93	431.14	423.11	416.40	424.16
6	411.39	407.96	407.82	411.00	420.74	434.90	437.95	435.82	430.93	422.81	416.26	424.44
7	411.29	407.92	407.84	412.15	421.04	435.10	437.86	435.71	430.69	422.51	416.22	424.56
8	411.19	407.86	407.86	413.63	425.36	435.30	437.78	435.60	430.48	422.21	416.08	424.65
9	411.08	407.80	407.88	414.32	426.58	435.40	437.75	435.50	430.28	421.90	416.06	424.74
10	410.96	407.73	407.90	414.73	427.56	435.65	438.36	435.40	430.07	421.57	415.90	424.70
11	410.80	407.66	407.93	415.09	428.53	435.90	438.38	435.27	429.86	421.24	415.72	424.70
12	410.65	407.59	407.95	415.42	429.32	436.26	438.38	435.14	429.65	420.93	415.54	424.62
13	410.53	407.53	408.00	415.92	429.90	436.54	438.30	435.00	429.42	420.59	415.52	424.48
14	410.39	407.47	408.05	416.41	430.30	436.78	438.26	434.84	429.20	420.24	415.40	424.30
15	410.25	407.41	408.10	416.76	430.70	436.95	438.22	434.69	428.93	419.90	415.36	424.12
16	410.14	407.37	408.15	417.07	431.06	437.10	438.18	434.53	428.64	419.56	415.60	423.94
17	410.04	407.38	408.20	417.45	431.45	437.28	438.12	434.37	428.36	419.22	415.57	423.78
18	409.91	407.36	408.25	417.88	431.84	437.45	438.05	434.21	428.09	419.00	415.44	423.58
19	409.78	407.34	408.30	418.30	432.12	437.65	437.96	434.06	427.83	418.68	415.32	423.44
20	409.65	407.43	408.35	418.60	432.34	437.85	437.90	433.91	427.57	418.34	415.14	423.29
21	409.54	407.45	408.40	418.90	432.55	438.00	437.81	433.76	427.27	417.99	414.96	423.09
22	409.44	407.48	408.50	419.15	432.70	438.13	437.72	433.61	427.01	417.64	414.76	422.84
23	409.32	407.52	408.55	419.34	432.85	438.25	437.55	433.46	426.72	417.33	414.60	422.59
24	409.19	407.58	408.60	419.52	433.00	438.34	437.38	433.30	426.42	417.02	415.64	422.37
25	409.07	407.63	408.64	419.69	433.16	438.42	437.22	433.14	426.14	416.71	416.24	422.09
26	408.95	407.66	408.68	419.84	433.37	438.48	437.06	432.97	425.85	416.40	416.83	421.90
27	408.83	407.69	408.73	420.13	433.55	438.50	436.90	432.80	425.56	416.10	417.06	421.74
28	408.74	407.68	408.78	420.27	433.70	438.53	436.75	432.64	425.26	415.79	417.12	421.74
29	408.65	407.71	409.02	420.32	-	438.54	436.60	432.46	424.96	415.48	417.52	421.74
30	408.56	407.74	409.14	420.38	-	438.50	436.45	432.26	424.65	415.15	418.00	421.73
31	408.47	-	409.26	420.44	-	438.44	-	432.07	-	414.86	418.84	-

Note.- Add 2,000 feet to gage heights in table to obtain elevation above mean sea level.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69,200	58,500	56,600	61,600	101,000	162,700	188,600	176,900	152,900	117,700	81,000	101,100
2	69,000	58,300	56,700	61,900	101,200	163,200	188,200	176,300	152,000	116,300	81,300	105,400
3	68,700	58,000	56,700	62,300	101,300	164,300	187,800	175,700	151,100	114,900	84,600	110,200
4	68,500	57,700	56,700	62,600	101,500	165,200	187,400	175,300	150,200	113,500	84,900	114,500
5	68,200	57,500	56,700	63,000	101,600	167,300	186,800	174,700	149,400	112,000	85,100	117,000
6	67,900	57,200	56,800	66,700	102,000	168,800	186,200	174,100	148,400	110,600	84,600	118,200
7	67,600	57,100	56,900	70,200	103,200	170,000	185,700	173,400	147,300	109,300	84,500	118,800
8	67,300	56,900	56,900	75,200	122,500	171,100	185,200	172,800	146,300	107,900	84,000	119,200
9	66,900	56,700	57,000	77,700	128,100	171,700	185,100	172,200	145,400	106,600	83,900	119,600
10	66,600	56,500	57,000	79,100	132,700	173,100	188,600	171,700	144,400	105,300	83,300	119,400
11	66,100	56,300	57,100	80,400	137,200	174,500	188,700	170,900	143,400	104,000	82,700	119,400
12	65,600	56,200	57,200	81,600	140,900	176,600	188,700	170,200	142,400	102,700	82,000	119,000
13	65,200	56,000	57,300	83,400	143,600	178,200	188,200	169,400	141,400	101,400	82,000	118,400
14	64,700	55,800	57,500	85,200	145,400	179,500	188,000	168,500	140,300	100,000	81,500	117,500
15	64,300	55,600	57,600	86,400	147,300	180,500	187,800	167,600	139,100	98,600	81,400	116,700
16	63,900	55,500	57,800	87,600	149,000	181,400	187,500	166,700	137,700	97,200	82,300	115,900
17	63,600	55,600	57,900	89,000	150,800	182,400	187,200	165,800	136,400	95,900	82,200	115,100
18	63,200	55,600	58,100	90,600	152,600	183,400	186,800	164,900	135,200	95,000	81,700	114,200
19	62,800	55,500	58,300	92,200	153,900	184,500	186,300	164,000	134,000	93,700	81,300	113,500
20	62,400	55,700	58,400	93,400	154,900	185,600	185,900	163,200	132,800	92,400	80,600	112,800
21	62,100	55,800	58,600	94,600	155,900	186,500	185,400	162,300	131,400	91,000	80,000	111,900
22	61,800	55,800	58,900	95,600	156,600	187,200	184,900	161,500	130,100	89,700	79,200	110,800
23	61,500	56,000	59,100	96,400	157,300	187,900	183,900	160,600	128,800	88,500	78,700	109,700
24	61,100	56,100	59,200	97,100	158,000	188,400	183,000	159,700	127,400	87,400	82,400	108,700
25	60,700	56,300	59,300	97,800	158,900	188,900	182,100	158,800	126,100	86,300	84,600	107,400
26	60,300	56,400	59,500	98,400	160,100	189,200	181,100	157,900	124,800	85,100	86,700	106,600
27	60,000	56,400	59,600	99,500	161,100	189,400	180,200	157,100	123,400	84,100	87,500	106,000
28	59,700	56,400	59,800	100,100	162,000	189,500	179,400	156,300	122,000	82,900	87,700	106,000
29	59,400	56,500	60,600	100,300	-	189,600	178,500	155,500	120,600	81,800	89,200	106,000
30	59,100	56,600	60,900	100,500	-	189,400	177,700	154,600	119,200	80,600	91,000	105,900
31	58,800	-	61,300	100,800	-	189,000	-	153,700	-	79,700	94,400	-

Gila River at Coolidge Dam, Ariz.

Location.- Water-stage recorder, lat. 33°10'15", long. 110°31'45", in SW¼ sec. 17, T. 3 S., R. 18 E., unsurveyed, 1,200 feet below Coolidge Dam. Zero of gage is 2,309.47 feet above mean sea level.

Drainage area.- 12,880 square miles.

Records available.- April 1914 to September 1935. July 1899 to November 1905 at station 8 miles upstream, below San Carlos River. August 1910 to February 1911 at station 9 miles upstream, above San Carlos River.

Extremes.- Maximum discharge during year, 767 second-feet June 16 (gage height, 5.54 feet); minimum, 0.3 second-foot Jan. 29; minimum mean daily discharge, 0.3 second-foot Jan. 29.

1914-28: Maximum discharge, 130,000 second-feet Jan. 20, 1916; no flow for various periods.

1929-35: Maximum discharge, 1,040 second-feet July 11, 1933 (gage height, 5.98 feet); no flow various days of most years.

Remarks.- Records excellent except those during period of heavy moss growth Apr. 11 to June 19, which are good. Major diversions above San Carlos Reservoir. Discharge regulated after Nov. 15, 1928, by storage in San Carlos Reservoir.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	183	130	74	0.8	98	116	310	395	467	666	530	25
2	183	132	74	.8	98	116	314	370	471	666	318	25
3	183	132	74	.8	98	59	318	361	444	677	256	25
4	183	134	74	.8	98	2	349	361	481	666	299	107
5	183	134	72	.8	98	2	366	349	525	660	349	227
6	183	123	71	1	72	2	349	349	540	660	361	240
7	183	116	71	.8	22	2	341	349	540	655	374	247
8	183	116	71	.7	1	2	341	353	515	644	386	240
9	198	116	70	.7	1	2	310	366	520	650	349	250
10	211	116	70	.7	1	2	299	370	540	655	366	270
11	208	116	68	.9	1	2	292	435	540	655	345	296
12	208	106	68	1	1	2	284	448	540	655	361	396
13	211	100	67	.9	1	2	267	435	530	650	340	458
14	211	100	57	.9	1	2	270	435	576	660	204	462
15	193	100	54	.9	1	2	250	439	623	660	23	467
16	188	101	54	.9	1	2	254	439	644	655	83	462
17	188	66	54	.8	1	2	250	448	633	644	214	439
18	188	49	55	.8	1	2	274	439	633	650	260	404
19	188	50	56	.9	1	16	306	439	644	660	337	341
20	188	45	56	.8	1	66	341	444	644	644	357	435
21	188	2	56	.7	30	123	404	439	639	628	382	540
22	188	2	57	.6	128	132	458	448	644	556	370	576
23	188	2	58	.5	128	113	520	453	650	535	338	571
24	188	2	58	.5	125	114	520	453	639	535	102	561
25	188	2	58	.4	116	158	515	448	650	535	150	459
26	188	31	58	5	116	174	496	439	655	540	270	370
27	188	71	58	.4	116	170	467	448	666	547	268	314
28	161	74	33	.4	116	170	467	467	666	612	147	274
29	145	74	.9	.3	-	238	458	467	671	623	25	260
30	137	74	.8	87	-	270	435	476	666	628	25	240
31	128	-	.8	101	-	299	-	458	-	576	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,731	211	128	185	11,370
November	2,416	134	2	80.5	4,790
December	1,748.5	74	.8	56.4	3,470
Calendar year 1934	85,153.1	525	.1	233	168,900
January	213.5	101	.3	6.89	423
February	1,472	128	1	52.6	2,920
March	2,364	299	2	76.3	4,690
April	10,825	520	250	361	21,470
May	13,020	476	349	420	25,820
June	17,596	671	444	587	34,900
July	19,447	677	535	627	38,570
August	8,234	530	23	266	16,330
September	9,981	576	25	333	19,800
Water year 1934-35	93,048.0	677	.3	255	184,600

Gila River at Kelvin, Ariz.

Location.- Water-stage recorder, lat. 33°6'15", long. 110°58'45", in NW¼ sec. 12, T. 4 S., R. 13 E., at Kelvin, 15 miles below San Pedro River and 19 miles above Ashurst-Hayden Dam.

Drainage area.- 18,260 square miles.

Records available.- January 1911 to September 1935.

Extremes.- Maximum discharge during year, 21,000 second-feet Aug. 29 (gage height, 9.30 feet); minimum, 35 second-feet Jan. 23 (gage height, 2.51 feet); minimum mean daily discharge, 39 second-feet Jan. 23,24.

1911-35: Maximum discharge, about 132,000 second-feet Jan. 20, 1916 (gage height, 19.5 feet); discharge less than 1 second-foot in summer of various years prior to 1929.

Remarks.- Records good. Discharge estimated May 24, 25, 30, 31, June 30, July 1, Sept. 29, 30 by comparison with flow at related stations. Major diversions for irrigation above station. No regulation in the basin above this station and below the station at Coolidge Dam.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar	Apr.	May	June	July	Aug.	Sept.
1	182	138	74	122	87	186	325	424	432	650	1,280	4,560
2	186	141	74	83	108	203	344	407	440	643	2,660	2,960
3	182	141	76	63	111	926	351	400	440	643	752	1,070
4	182	141	76	49	114	1,500	372	432	432	643	432	475
5	179	147	67	49	119	653	400	400	473	643	393	484
6	175	144	57	1,820	318	290	407	386	509	643	424	415
7	179	144	69	1,530	3,580	190	393	379	519	654	598	386
8	182	125	80	264	2,640	160	415	379	519	643	762	415
9	182	125	85	114	1,040	160	711	372	509	643	952	424
10	190	128	85	74	595	320	406	372	529	654	864	386
11	211	119	83	69	529	609	372	365	538	654	660	372
12	220	119	80	357	319	575	372	424	538	654	424	365
13	220	116	95	147	199	415	365	440	538	643	987	440
14	220	111	108	88	157	372	351	440	538	632	822	448
15	220	100	100	67	208	278	358	424	587	643	3,320	465
16	211	106	92	163	313	199	325	415	632	654	2,200	432
17	199	154	83	121	198	150	302	432	643	677	453	424
18	199	114	76	85	144	125	302	432	632	763	386	400
19	199	96	71	80	119	114	313	415	643	654	393	386
20	199	281	74	76	111	131	331	415	643	688	454	351
21	199	201	71	61	100	134	379	415	654	776	519	440
22	199	121	69	51	97	182	407	424	643	598	500	519
23	199	78	69	39	140	211	490	432	654	538	509	632
24	203	69	76	39	175	186	529	435	643	519	4,840	801
25	199	67	80	42	175	190	509	430	643	509	3,080	725
26	190	63	83	42	164	207	509	415	654	509	884	632
27	186	61	80	40	168	238	500	407	654	519	609	500
28	186	61	90	40	179	233	457	415	654	548	473	440
29	172	76	166	42	-	228	448	440	654	598	9,470	385
30	157	76	125	42	-	268	432	450	655	621	2,730	330
31	150	-	124	42	-	308	-	450	-	711	2,540	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,957	220	150	192	11,820
November	3,563	281	61	119	7,070
December	2,640	166	57	85.2	5,240
Calendar year 1934	102,193	1,620	50	280	202,700
January	5,901	1,820	39	190	11,700
February	12,207	3,580	87	436	24,210
March	9,981	1,500	114	322	19,800
April	12,175	711	302	406	24,150
May	12,866	450	365	415	25,520
June	17,242	655	432	575	34,200
July	19,567	776	509	631	38,810
August	45,370	9,470	386	1,464	89,990
September	21,062	4,560	330	702	41,780
Water year 1934-35	168,531	9,470	39	462	334,300

Gila River at Ashurst-Hayden Dam, near Florence, Ariz.

Location.- Water-stage recorder, lat 33°5'30", long. 111°14'15", in sec. 8, T. 4 S., R. 11 E., at Ashurst-Hayden Dam, 10 miles northeast of Florence. Crest of dam, on which head is measured, is 1,563.0 feet above mean sea level.

Drainage area.- 18,580 square miles.

Records available.- July 1923 to September 1935, head on crest of dam only.

Extremes.- Maximum head during year, 3.1 feet Aug. 29; flow over dam seldom occurs. 1923-35: Maximum head, 8.0 feet Sept. 28, 1926; no flow over dam on many days each year.

Remarks.- Record estimated Jan. 7, Mar. 10, 11, and Aug. 11 on basis of recorded range in stage and Kelvin record. Florence-Casa Grande Canal diverts water at this dam. Many other diversions for irrigation upstream. A considerable quantity of water is passed through the sluice gates in the dam. Water-stage recorder graph furnished by U. S. Indian Service.

Daily mean head, in feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1				(*)	-	-			-	-	0.22	0.73
2				-	-	-			-	-	.78	.64
3				-	-	0.40			-	-	.08	.04
4				-	-	.69			-	-	-	-
5				-	-	.44			-	-	-	(*)
6				0.17	0.09	.10			(*)	-	.01	-
7				.38	1.11	-			-	-	(*)	-
8				-	1.25	-			-	-	.06	-
9				-	.67	-	0.02		-	-	.07	-
10				-	.19	.30			-	-	.04	-
11				-	.08	.50			-	-	.08	-
12				.28	.01	.50			-	-	-	-
13				.15	-	.35			-	-	.10	-
14				(*)	-	.18			-	-	.01	-
15				-	-	-			0.01	-	.58	-
16				.08	.04	-			.01	(*)	.54	-
17				.05	-	-			-	-	-	-
18				-	-	-			-	0.04	-	-
19				-	-	-			-	-	-	-
20		0.01		-	-	-			-	-	-	-
21				-	-	-			-	.11	-	-
22				-	-	-			-	-	-	(*)
23				-	-	-			-	-	-	.01
24				-	-	-			-	-	.95	.10
25				-	-	-			-	-	1.41	.05
26				-	-	-			-	-	.13	.07
27				-	-	-			-	-	-	-
28				-	-	-			-	(*)	-	-
29			(*)	-	-	-			-	-	1.53	(*)
30			0.01	-	-	-			-	-	.47	-
31			-	-	-	-			-	.01	.36	-

*Flow over crest of dam for short time, but mean head for day was less than 0.01 foot.
Note.- Water below crest of dam on days for which no head is shown.

Gila River at Gillespie Dam, Ariz.

Location.- Water-stage recorder, lat. 33°13'45", long. 112°45'30", in SE¼NE¼ sec. 28, T. 2 S., R. 5 W., at Gillespie Dam, 8 miles below Hassayampa River. Zero of gage is 5 feet below average elevation of crest of dam, which is 753.8 feet above mean sea level (from Gillespie Land & Irrigation Co.'s bench mark).

Drainage area.- 49,700 square miles.

Records available.- August 1921 to September 1935.

Extremes.- Maximum discharge during year, 6,730 second-feet Feb. 10 (height over crest of dam, 1.60 feet); no flow part of year.
1921-35: Maximum discharge, 70,000 second-feet Dec. 28, 1923 (height over crest of dam, 6.0 feet); no flow for various periods each year.

Remarks.- Records good. Gillespie and Enterprise Canals divert water at this dam and are not included in this record. Other diversions for irrigation above station. Water passed through sluice gates is included in this record. Flow of Gila River and tributaries above this station regulated by storage in San Carlos Reservoir on Gila River (capacity, 1,165,000 acre-feet), in a series of reservoirs on Salt River (total capacity, 2,015,000 acre-feet), and in Lake Pleasant on Agua Fria River (capacity, 103,000 acre-feet).

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	350	3	100	50				0	1,400
2			0	80	0	100	37				0	480
3			0	39	0	180	37				0	1,130
4			0	12	0	160	18				0	1,060
5			0	12	3	781	12				0	350
6			0	172	100	1,840	12				0	275
7			0	229	145	1,110	8				0	140
8			0	110	734	482	12				0	26
9			0	470	4,500	229	8				0	8
10			0	168	6,280	217	2				0	0
11			0	120	4,300	200	480				0	0
12			0	200	2,160	288	834				0	0
13			0	200	1,310	425	191				0	0
14			0	394	698	510	80				0	0
15			131	756	630	480	44				0	0
16			140	260	851	1,090	18				20	0
17			65	200	2,020	3,340	12				15	0
18			270	547	1,180	3,260	2				0	0
19			265	980	660	1,520	0				0	0
20			97	459	375	810	0				0	0
21			0	283	275	425	0				0	0
22			0	174	225	300	0				0	0
23			0	140	182	225	0				141	0
24			0	120	140	160	0				189	0
25			0	100	120	120	0				694	0
26			0	80	120	100	0				177	5
27			0	65	120	88	0				1,200	0
28			0	50	100	65	0				386	0
29			0	65	-	65	0				100	0
30			0	65	-	65	0				37	0
31			140	50	-	50	-				864	-

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	1,108	270	0	35.7	2,200
Calendar year 1934	5,069	1,810	0	13.9	10,050
January	6,950	980	12	224	13,790
February	27,431	6,280	0	980	54,410
March	18,777	3,340	50	606	37,240
April	1,857	834	0	61.9	3,680
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
August	3,823	1,200	0	123	7,580
September	4,874	1,400	0	162	9,670
Water year 1934-35	64,820	6,280	0	178	128,600

Gila River near Dome, Ariz.

Location.- Water-stage recorder, lat. 32°45'30", long. 114°25'15", in SW¼ sec. 4, T. 8 S., R. 21 W., 3 miles west of Dome and 18 miles above mouth of Gila River.

Drainage area.- 58,100 square miles.

Records available.- May 1929 to September 1935. October 1903 to December 1906 at a station 4 miles upstream.

Extremes.- Maximum discharge during year, 757 second-feet Feb. 16 (gage height, 5.35 feet); no flow during most of year.
1929-35: Maximum discharge, 20,700 second-feet Feb. 15, 1932 (gage height, 16.75 feet); no flow during part of each year.
Maximum daily discharge (estimated), 200,000 second-feet Jan. 22, 1916.

Remarks.- Records excellent except those for Sept. 11-16, which are fair. Discharge estimated Sept. 13-16 on basis of partial gage-height record. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0			0	0						0
2		0			0	0						0
3		0			0	0						0
4		0			0	0						0
5		0			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						50
12		0			0	0						180
13		0			0	0						120
14		0			0	0						30
15		0			328	0						2
16		1			651	0						0
17		0			328	0						0
18		0			193	0						0
19		0			120	0						0
20		0			55	0						0
21		0			12	0						0
22		0			0	0						0
23		0			0	126						0
24		0			0	370						0
25		0			0	223						0
26		0			0	120						0
27		0			0	50						0
28		0			0	15						0
29		0			-	1						0
30		0			-	0						0
31		-			-	0						-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	1	1	0	.03	2.0
December	0	0	0	0	0
Calendar year 1934	85	82	0	.23	169
January	0	0	0	0	0
February	1,687	651	0	60.2	3,350
March	905	370	0	29.2	1,800
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	382	180	0	12.7	758
Water year 1934-35	2,975	651	0	8.2	5,910

San Francisco River near Glenwood, N. Mex.

Location.- Water-stage recorder, lat. 33°18', long. 108°53', in W½ sec. 23, T. 12 S., R. 20 W., a quarter of a mile above the hot springs and 6 miles south of Glenwood. Zero of gage is 4,552.06 feet above mean sea level.

Records available.- February 1934 to September 1935 at present site. October 1930 to February 1934 at site 4½ miles upstream in reports of U. S. Geological Survey; October 1927 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, about 850 second-feet Aug. 5 (gage height, 3.75 feet); minimum daily discharge, 10 second-feet July 26.
1930-35: Maximum discharge, about 4,400 second-feet Sept. 16, 1931 (gage height, 8.16 feet, old datum); minimum daily discharge, 7.7 second-feet June 21, 1934.

Remarks.- Records fair except those estimated, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	*25	23	37	44	64	87	46	35	22	40	*87
2	23	*25	25	29	44	64	79	46	35	20	53	*76
3	24	*25	22	28	42	71	71	46	33	21	44	87
4	25	*25	24	33	40	76	69	57	31	21	97	76
5	24	*25	24	38	40	71	69	62	28	21	234	*64
6	23	*25	26	140	53	71	66	55	31	20	150	*55
7	23	*20	27	118	101	66	66	55	37	19	76	*48
8	*20	*20	29	71	160	66	66	46	38	17	60	*44
9	*15	26	29	53	109	64	84	38	37	16	55	*42
10	*15	23	31	46	87	69	109	37	31	17	48	*40
11	*20	21	28	46	100	74	89	37	26	22	37	*37
12	*45	23	26	50	84	62	74	40	27	26	42	*33
13	*35	25	31	60	66	60	64	40	28	27	46	*28
14	*30	23	38	55	66	71	64	38	26	25	62	25
15	*30	25	40	55	66	134	64	29	24	22	53	25
16	*30	23	31	297	60	181	62	31	27	20	38	23
17	*25	28	27	153	57	157	62	42	*26	31	35	24
18	*25	28	26	81	55	144	62	46	*26	24	*40	24
19	*25	28	24	69	53	140	64	53	*26	17	*50	31
20	*25	33	23	62	50	147	64	50	*25	14	*70	28
21	*25	33	23	35	57	124	62	42	*25	16	*50	25
22	*25	27	24	25	66	109	62	38	*25	13	*45	44
23	*25	26	24	46	69	103	57	35	*25	*13	40	44
24	*25	27	25	60	69	106	50	37	26	*12	62	74
25	*25	28	26	57	71	124	53	42	25	*11	64	79
26	*25	26	23	53	71	121	55	42	24	10	55	69
27	*25	27	26	53	66	100	53	42	23	11	66	99
28	*25	28	27	50	64	97	50	40	22	23	48	160
29	*25	25	46	50	-	94	48	37	18	17	184	87
30	*25	24	50	50	-	92	44	37	20	12	*127	64
31	*25	-	38	46	-	92	-	33	-	12	170	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	780	45	15	25.2	1,550
November	767	33	20	25.6	1,520
December	886	50	22	28.6	1,760
Calendar year 1934	13,177.9	1,240	7.7	36.1	26,133
January	2,046	297	25	66.0	4,060
February	1,910	160	40	68.2	3,790
March	3,014	181	60	97.2	5,980
April	1,969	109	44	65.6	3,910
May	1,319	62	29	42.5	2,620
June	830	38	18	27.7	1,650
July	574	31	10	18.5	1,140
August	2,241	234	35	72.3	4,440
September	1,642	160	23	54.7	3,260
Water year 1934-35	17,978	297	10	49.3	35,680

*Estimated.

San Francisco River at Clifton, Ariz.

Location.- Water-stage recorder, lat. 33°3', long. 109°17'45", in SW¼SE¼ sec. 30, T. 4 S., R. 30 E., at Railroad Boulevard bridge at Clifton. Zero of gage is 3,432.3 feet above mean sea level (from Arizona Copper Co. bench mark).

Drainage area.- 2,790 square miles.

Records available.- July 1927 to October 1933, May to September 1935. Fragmentary record October 1910 to July 1918 at several different points within 2 miles upstream.

Extremes.- Maximum discharge recorded during year, 2,400 second-feet Sept. 1 (gage height, 8.33 feet); minimum, 21 second-feet July 28 (gage height, 2.17 feet).

Maximum discharge during period Oct. 18, 1933, to Apr. 30, 1935, when station was not in operation, about 8,600 second-feet probably Aug. 26, 1934 (gage height, 12.5 feet, from flood marks).

1927-35: Maximum discharge, that of Aug. 26, 1934; probably dry in 1934; minimum of record, 15 second-feet June 24, 1929.

Remarks.- Records good. Discharge estimated May 1-9 and Sept. 20-30 by comparison with flow at related stations. Diversions for irrigation and municipal supply 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								130	82	36	118	643
2								120	79	38	104	409
3								120	77	38	186	434
4								150	74	35	147	266
5								180	71	34	316	319
6								160	68	36	330	165
7								140	68	37	217	123
8								130	71	35	139	101
9								120	75	35	107	86
10								112	74	33	89	77
11								112	71	31	81	71
12								115	68	33	72	66
13								123	64	39	90	61
14								122	64	35	153	57
15								120	62	32	100	60
16								109	57	30	81	58
17								110	56	32	68	57
18								134	53	41	66	57
19								142	50	45	121	104
20								128	45	40	166	65
21								122	42	44	106	60
22								110	43	41	110	60
23								109	43	37	141	100
24								101	45	31	154	60
25								100	43	31	157	60
26								101	43	30	152	60
27								102	41	28	100	50
28								101	40	23	94	500
29								96	39	30	112	300
30								89	37	39	297	175
31								86	-	54	304	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	3,693	180	85	119	7,320
June	1,745	82	37	58.2	3,460
July	1,103	54	23	35.6	2,190
August	4,478	330	66	144	8,880
September	4,704	643	50	157	9,330
The period					31,180

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San Simon Creek near San Simon, Ariz.

Location.- Water-stage recorder, lat. 32°13'30", long. 109°10'30", in SW¼ sec. 10, T. 14 S., R. 31 E., 4½ miles southeast of San Simon.

Drainage area.- 803 square miles.

Records available.- June 1931 to October 1933, May to September 1935. August 1919 to September 1925 at a station 3½ miles downstream.

Extremes.- Maximum discharge recorded during year, 4,400 second-feet Aug. 28 (gage height, 11.7 feet); no flow for long periods.

Maximum discharge during period Oct. 18, 1933, to Apr. 30, 1935, when station was not in operation, about 3,900 second-feet probably in August 1934 (gage height, 11.2 feet, from flood marks).

1919-25, 1931-35: Maximum discharge, 5,350 second-feet July 21, 1923; no flow greater part of each year.

Remarks.- Records fair. Discharge May 1-8 and Aug. 3,4 estimated from weather records and partial gage-height record. Minor diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											0	9
2											0	0
3											80	0
4											40	0
5											220	0
6											20	0
7											140	0
8											2	0
9											0	0
10											0	0
11											0	0
12											80	0
13											8	0
14											0	0
15											20	0
16											5	0
17											0	0
18											0	0
19											0	0
20											0	0
21											0	0
22											0	0
23											0	70
24											35	55
25											130	3
26											10	0
27											0	0
28											470	0
29											290	0
30											930	0
31											182	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	0	0	0	0	0
June	0	0	0	0	0
July	0	0	0	0	0
August	2,662	930	0	85.9	5,280
September	137	70	0	4.6	272
The period					5,550

San Simon Creek near Solomonsville, Ariz.

Location.- Water-stage recorder, lat. 32°48', long. 109°38'15", in NW¼NE¼ sec. 25, T. 7 S., R. 26 E., 1 mile southwest of Solomonsville and 2½ miles above mouth. Zero of gage is 2,960.3 feet above mean sea level.

Drainage area.- 2,280 square miles.

Records available.- June 1931 to September 1932, May to September 1935.

Extremes.- Maximum discharge recorded during year, about 12,000 second-feet Aug. 1 (gage height, 16.35 feet); no flow on many days.

Maximum discharge during period Oct. 1, 1932, to Apr. 30, 1935, when station was not in operation, about 11,500 second-feet probably in August 1934 (gage height, 15.7 feet, from flood marks).

1931-35: Maximum discharge, 27,500 second-feet Aug. 9, 1931 (gage height, 19.0 feet); no flow on many days each year.

Remarks.- Records fair. Discharge estimated May 1-10, Aug. 4, 8, 9, 27, 28, Sept. 26, 27, on basis of weather records and partial gage-height record. Minor diversions for irrigation above station. Record does not include waste water from San Jose Canal, which takes water from Gila River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1										0	900	171
2										0	20	24
3										0	380	60
4										0	1	12
5										0	120	3
6										0	285	1
7										0	51	2
8										0	90	0
9										0	0	1
10										0	0	0
11										0	0	0
12										0	0	0
13										0	0	0
14										0	9	0
15										0	18	0
16										0	10	0
17										0	3	0
18										0	2	0
19										0	190	0
20										0	70	0
21										0	0	0
22										0	0	0
23										0	93	0
24										0	1,050	1
25										0	682	3
26										0	393	0
27										0	90	0
28										0	15	0
29										0	1,150	0
30										0	1,070	0
31										221	734	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	0	0	0	0	0
June	0	0	0	0	0
July	221	221	0	7.1	438
August	7,426	1,150	0	240	14,730
September	278	171	0	9.3	551
The period					15,720

San Carlos River near Peridot, Ariz.

Location.- Water-stage recorder, lat. 33°16', long. 110°26'30", in sec. 7, T. 2 S., R. 19 E., unsurveyed, on San Carlos Indian Reservation, at railroad bridge at head of San Carlos Reservoir, 2 miles south of Peridot. Zero of gage is 2,506.6 feet above mean sea level (from Southern Pacific Railroad bench mark).

Drainage area.- 1,070 square miles.

Records available.- March 1929 to September 1935. Fragmentary record August 1910 to January 1911 and April 1914 to September 1915 at a station 5½ miles downstream.

Extremes.- Maximum discharge during year, 13,800 second-feet Feb. 7 (gage height, 8.45 feet); minimum, 0.2 second-foot July 13.

1929-35: Maximum discharge, that of Feb. 7, 1935; no flow on several days of most years.

Greatest known flood (estimated), 25,000 second-feet about Jan. 18, 1916.

Remarks.- Records good. Minor diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6	4	12	16	17	38	24	8	3	1	670	132
2	5	4	12	16	17	38	25	8	3	.8	940	164
3	6	5	12	15	17	79	24	9	3	1	270	177
4	6	5	12	15	17	506	19	10	3	.8	55	224
5	5	6	12	15	18	527	18	11	3	.8	20	51
6	4	6	12	3,190	34	332	17	8	3	.6	220	25
7	4	5	12	992	9,380	206	17	6	3	.8	40	20
8	4	4	13	478	2,500	128	22	6	3	.6	300	17
9	4	4	13	162	941	200	2,010	5	2	.8	90	13
10	3	4	12	106	1,160	284	354	5	2	.8	19	11
11	4	4	8	86	1,610	562	200	6	2	.8	32	10
12	4	4	8	795	482	1,050	128	6	1	.4	480	10
13	4	4	8	425	224	447	71	6	2	.4	60	9
14	4	4	16	153	283	361	47	4	2	.4	12	8
15	4	4	16	133	311	250	27	4	1	.4	100	8
16	4	19	16	289	238	206	25	4	1	.5	34	7
17	4	17	15	209	165	134	22	4	1	530	29	6
18	4	10	15	114	118	88	19	4	1	95	16	7
19	4	10	15	69	104	64	17	5	1	12	58	8
20	6	12	15	43	92	58	16	7	1	9	31	6
21	6	14	15	21	92	50	14	6	1	25	18	5
22	6	13	15	20	96	44	12	5	1	4	14	6
23	6	12	15	19	83	36	10	5	1	3	127	6
24	6	12	15	19	75	36	11	4	.8	2	1,980	14
25	7	12	15	18	61	33	11	4	.6	2	30	11
26	8	12	14	19	44	29	10	3	.6	1	110	8
27	7	12	14	19	38	27	9	3	.8	1	80	6
28	6	12	20	18	41	29	10	3	.8	90	35	5
29	6	12	35	19	-	22	9	3	.6	6	250	5
30	5	12	26	17	-	22	9	3	1	4	35	5
31	4	-	20	17	-	20	-	3	-	180	60	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	156	8	3	5.0	309
November	258	19	4	8.6	512
December	458	35	8	14.8	908
Calendar year 1934	6,542.5	884	.1	17.9	12,970
January	7,527	3,190	15	243	14,930
February	18,258	9,380	17	652	36,210
March	5,906	1,050	20	191	11,710
April	3,207	2,010	9	107	6,360
May	168	11	3	5.4	333
June	49.2	3	.6	1.64	98
July	974.9	530	.4	31.4	1,930
August	6,215	1,980	12	200	12,330
September	1,034	224	5	34.5	2,050
Water year 1934-35	44,211.1	9,380	.4	121	87,680

San Pedro River at Palominas, Ariz.

Location.- Water-stage recorder, lat. 31°22'45", long. 110°6'30", in SE¼ sec. 33, T. 23 S., R. 22 E., at bridge half a mile east of Palominas, 4 miles downstream from international boundary, and 12 miles southwest of Bisbee.

Drainage area.- 991 square miles.

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

Extremes.- Maximum discharge during period May to September 1935, 3,000 second-feet Aug. 14 (gage height, 6.74 feet); minimum, 0.5 second-foot June 29. No high-water marks were found at end of period station was not in operation, Oct. 11, 1933, to Apr. 30, 1935, indicating that no large floods occurred.
1930-33, 1935: Maximum discharge, 9,400 second-feet Aug. 7, 1930 (gage height, 9.75 feet); no flow June 29 and July 1, 1930

Remarks.- Records good except those estimated and those over 400 second-feet, which are fair. Estimated records determined from fragmentary gage-height record and by comparison with flow at Charleston. No diversions above station in Arizona and probably none in Mexico.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								*2	1	0.7	455	*200
2								*2	1	.7	193	187
3								*2	2	.7	33	46
4								*2	2	.7	48	80
5								*2	1	.7	*40	*40
6								*2	1	.7	310	*30
7								*2	2	.7	278	*50
8								2	2	.8	*150	*20
9								2	2	1	*40	*15
10								2	2	10	*35	*10
11								2	2	42	*30	*10
12								2	2	*10	*50	*10
13								2	2	*6	243	*10
14								2	2	*5	1,010	*10
15								2	2	*5	*200	*10
16								2	1	*5	*100	*10
17								2	1	*5	35	*10
18								2	1	*20	130	*10
19								2	1	*6	33	*10
20								2	1	5	29	69
21								2	1	59	24	41
22								2	.9	21	20	32
23								2	.9	*15	63	46
24								2	1	*10	244	560
25								2	2	*10	118	*60
26								2	.9	*10	94	*30
27								2	.8	*10	38	219
28								2	.7	46	84	*30
29								2	.7	374	169	*15
30								1	.7	22	130	*10
31								1	-	188	626	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	60	2	1	1.9	119
June	40.6	2	.7	1.35	81
July	890.7	374	.7	28.7	1,770
August	5,052	1,010	20	163	10,020
September	1,880	560	10	62.7	3,730
The period					15,720

*Estimated.

San Pedro River at Charleston, Ariz.

Location.- Water-stage recorder, lat. 31°38'45", long. 110°10'45", in SW¼ sec. 35, T. 20 S., R. 21 E., unsurveyed, in Spanish land grant of San Juan de las Boquillas y Nogales, at Charleston dam site, three-quarters of a mile north of Charleston and 6 miles above Babocomari River. Zero of gage is 3,923.0 feet above mean sea level (from Southern Pacific Railroad bench mark).

Drainage area.- 1,480 square miles.

Records available.- May 1928 to December 1933, May to September 1935. Several stations have been maintained at various locations both upstream and downstream, 1904-6 and 1910-28.

Average discharge.- 18 years (1915-33), 73.9 second-feet.

Extremes.- Maximum discharge during period May to September 1935, 8,600 second-feet Aug. 28 (gage height, 8.1 feet); minimum, 2 second-feet July 2. No high-water marks were found at end of period station was not in operation, Dec. 21, 1933, to Apr. 30, 1935, indicating that no large floods occurred.

1928-33, 1935: Maximum discharge, 24,500 second-feet Aug. 9, 1931 (gage height, 12.0 feet); minimum, 2 second-feet at several times.

Maximum discharge known, about 98,000 second-feet Sept. 28, 1926 (gage height, 21.9 feet, from flood marks).

Remarks.- Records good except those estimated and those over 500 second-feet, which are fair. Discharge estimated May 1-7 and Sept. 28-30 from weather records and fragmentary gage-height record. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								10	9	3	418	753
2								10	9	3	843	319
3								10	8	3	97	107
4								10	8	3	75	119
5								10	8	3	123	75
6								10	7	4	445	64
7								10	8	3	580	70
8								10	8	3	520	93
9								10	7	3	65	44
10								10	6	4	65	35
11								8	5	8	80	32
12								8	6	14	510	27
13								8	7	9	406	25
14								10	6	7	1,280	23
15								9	6	6	737	23
16								8	6	6	112	23
17								8	5	6	67	24
18								9	5	20	140	24
19								9	5	15	169	24
20								9	4	27	67	47
21								9	4	28	60	42
22								9	4	128	164	35
23								9	4	23	203	43
24								9	4	19	260	660
25								7	4	18	250	105
26								8	4	19	125	40
27								9	4	20	200	510
28								8	3	20	2,000	50
29								8	3	359	700	30
30								9	3	64	369	25
31								8	-	182	1,470	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	279	10	7	9.0	553
June	170	9	3	5.7	337
July	1,030	359	3	33.2	2,040
August	12,600	2,000	60	406	24,990
September	3,491	753	23	116	6,920
The period					34,840

San Pedro River near Mammoth, Ariz.

Location.- Water-stage recorder, lat. 32°44'30", long. 110°38'45", in NE¼ sec. 18, T. 8 S., R. 17 E., at highway bridge 1½ miles north of Mammoth.

Drainage area.- 3,850 square miles.

Records available.- May 1931 to September 1935.

Extremes.- Maximum discharge during year, 16,300 second-feet Aug. 24 (gage height, 10.65 feet); no flow during part of year.
1931-35: Maximum discharge, 19,400 second-feet Oct. 2, 1931 (gage height, 11.1 feet); no flow part of each year.
Greatest known flood, Sept. 28, 1926, estimated, 90,000 second-feet.

Remarks.- Records fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	32	*2	4				0	*150	2,190
2		0	0	17	*2	8				0	*300	975
3		0	0	7	*2	14				0	*100	308
4		0	0	4	*2	34				0	*20	227
5		0	0	3	*2	32				0	*10	112
6		0	0	335	10	*30				0	*10	57
7		0	0	263	156	*30				0	*50	175
8		0	0	*40	372	*25				0	*100	215
9		0	0	*20	196	*20				0	*200	90
10		0	0	*10	*55	*20				0	*50	*50
11		0	0	*10	*20	40				0	*20	*30
12		0	0	*10	*10	76				0	*10	*20
13		0	0	*9	*10	88				0	*100	*10
14		0	*1	*9	*10	102				0	*400	*5
15		0	*1	*8	*15	61				0	430	*2
16		*4	*2	*8	*15	*30				0	340	*1
17		0	*2	*7	*10	*10				3	*100	*0
18		0	*3	7	*9	0				1	*50	*0
19		0	*3	7	*8	0				0	*70	*0
20		*7	*3	*7	*7	0				0	109	*20
21		0	3	*6	*6	0				1	46	*5
22		0	2	*5	*5	0				0	32	*40
23		0	1	*5	*4	0				0	210	150
24		0	1	*4	*3	0				0	4,450	250
25		0	2	*4	2	0				0	2,250	200
26		0	2	*3	3	0				0	550	30
27		0	2	*2	5	0				0	202	7
28		0	2	*2	5	0				0	990	87
29		0	3	*2	-	0				0	1,970	40
30		0	44	*2	-	0				*2	580	37
31		-	82	*2	-	0				*50	815	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	11	7	0	.4	22
December	159	82	0	5.1	315
Calendar year 1934	11,255	1,800	0	30.8	22,320
January	850	335	2	27.4	1,690
February	946	372	2	33.8	1,880
March	624	102	0	20.1	1,240
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	57	50	0	1.8	113
August	14,714	4,450	10	475	29,180
September	5,333	2,190	0	178	10,580
Water year 1934-35	22,694	4,450	0	62.2	45,020

*Estimated from partial gage-height record, precipitation records, and by comparison with flow at related stations.

San Pedro River at Winkelman, Ariz.

Location.- Lat. 32°58'45", long. 110°47'15", in SW¼ sec. 23, T. 5 S., R. 15 E., at mouth 1 mile west of Winkelman.

Drainage area.- 4,720 square miles.

Records available.- December 1928 to September 1935 (discharge measurements only). April to August 1890, monthly discharge, published as "San Pedro River at Dudleyville, Ariz."

Remarks.- Diversions for irrigation above station. Record October 1933 to September 1934 published as miscellaneous measurements.

Discharge measurements, in second-feet, water year 1934-35

1934		Discharge	1935		Discharge	1935		Discharge
Oct.	8	2.5	Jan.	17	35.5	Apr.	29	0
	18	1.5		28	18.3	May	4	12.6
	29	1	Feb.	14	43.0	July	24	.3
Nov.	8	.7		25	26.3	Aug.	12	37.9
	19	11.1	Mar.	23	16.9		20	80.2
	30	10.5		30	3.3	Sept.	6	123
Dec.	10	4.4	Apr.	6	7.3		16	22.7
	20	16.0		10	19.3			
	27	13.8		13	14.8			

Aravaipa Creek near Feldman, Ariz.

Location.- Water-stage recorder, lat. 32°50'30", long. 110°37'45", in NW¼ sec. 9, T. 7 S., R. 17 E., 6 miles above mouth and 6 miles southeast of Feldman.

Drainage area.- 535 square miles.

Records available.- May 1931 to September 1935. April 1919 to September 1921 at station 6 miles downstream.

Extremes.- Maximum discharge during year, 10,000 second-feet Aug. 15 (gage height. 10.9 feet); minimum, 1 second-foot July 28.
1931-35: Maximum discharge, that of Aug. 15, 1935; minimum, 1 second-foot Sept. 12-13, 1934, and July 28, 1935.
A maximum discharge of 20,000 second-feet occurred Aug. 2, 1919.

Remarks.- Records good. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	11	7	33	12	22	19	16	5	2	242	208
2	9	11	7	32	10	22	18	14	7	2	281	249
3	8	12	7	33	10	288	19	15	6	2	19	34
4	8	12	8	31	9	485	20	16	5	2	16	26
5	7	12	9	32	9	156	19	16	4	2	13	36
6	7	12	9	1,250	233	81	19	15	5	2	58	27
7	7	12	9	109	1,700	50	18	14	5	3	48	25
8	8	10	9	43	1,080	34	20	14	5	3	122	26
9	8	10	10	40	413	29	28	12	6	2	141	22
10	7	9	10	39	261	364	22	12	5	2	12	21
11	7	9	11	33	199	516	17	12	6	2	14	21
12	7	10	12	53	100	404	16	10	6	3	13	20
13	8	14	17	31	49	408	19	10	7	3	217	19
14	8	14	22	25	34	248	19	11	8	3	22	19
15	8	12	19	24	422	122	17	10	7	4	781	16
16	8	16	17	79	267	65	16	9	7	4	86	10
17	9	19	17	43	85	40	16	9	6	5	52	9
18	9	16	16	32	46	30	16	10	7	11	31	9
19	8	15	17	25	38	33	15	10	5	5	27	29
20	8	80	19	22	34	35	15	9	4	5	38	24
21	8	11	20	17	30	33	15	9	4	9	27	14
22	9	9	20	16	27	28	17	8	4	7	24	23
23	12	8	20	16	27	24	18	8	4	5	20	32
24	12	10	20	16	26	24	17	8	4	5	619	34
25	10	10	21	15	25	24	16	8	3	4	140	22
26	9	9	21	14	24	24	16	8	4	3	41	19
27	6	8	20	14	23	22	15	8	5	2	24	16
28	7	8	32	13	22	21	15	8	5	1	164	15
29	9	8	138	13	-	19	15	8	3	1	713	14
30	10	8	43	13	-	19	15	7	2	4	35	13
31	10	-	33	12	-	18	-	5	-	111	92	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	260	12	6	8.4	516
November	405	80	8	13.5	803
December	640	138	7	20.6	1,270
Calendar year 1934	5,339	323	1	14.6	10,600
January	2,168	1,250	12	69.9	4,300
February	5,215	1,700	9	186	10,340
March	3,688	516	18	119	7,320
April	527	28	15	17.6	1,050
May	329	16	5	10.6	653
June	154	8	2	5.1	305
July	219	111	1	7.1	434
August	4,132	781	12	133	8,200
September	1,052	249	9	35.1	2,090
Water year 1934-35	18,789	1,700	1	51.5	37,280

Santa Cruz River near Nogales, Ariz.

Location.- Water-stage recorder, lat. 31°20'30", long. 110°51'15", in NW¼ sec. 18, T. 24 S., R. 15 E., unsurveyed, on Spanish land grant of Buena Vista, three-quarters of a mile downstream from international boundary and 5½ miles east of Nogales.

Drainage area.- 473 square miles.

Records available.- May 1930 to December 1933, July to September 1935. Fragmentary records March to November 1907, April 1909 to June 1920, at station 5½ miles downstream. April 1921 to June 1922 at station 6 miles downstream.

Extremes.- Maximum discharge during period July to September 1935, 14,000 second-feet Aug. 31 (gage height, 12.3 feet); no flow July 1-9. Maximum discharge during period station was not in operation, Dec. 14, 1933, to June 30, 1935, about 7,400 second-feet probably in August 1934 (gage height, 9.0 feet, from flood marks).
1930-33, 1935: Maximum discharge, that of Aug. 31, 1935; no flow on several days or parts of days each year.

Remarks.- Records good. Minor diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1										0	142	645
2										0	65	259
3										0	10	128
4										0	69	151
5										0	56	97
6										0	21	76
7										0	150	58
8										0	48	53
9										0	11	42
10										4	9	34
11										23	17	31
12										10	178	25
13										.9	183	22
14										9	363	18
15										14	234	16
16										.4	59	14
17										64	34	14
18										15	32	13
19										3	91	13
20										4	44	26
21										.8	53	51
22										.3	27	50
23										.2	745	20
24										.1	224	50
25										.1	218	37
26										.3	199	22
27										11	52	21
28										2	460	18
29										.5	213	17
30										.2	104	15
31										250	1,970	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June					
July	412.8	250	0	13.3	819
August	6,081	1,970	9	196	12,060
September	2,038	645	13	67.9	4,040
The period					16,920

Santa Cruz River at Tucson, Ariz.

Location.- Water-stage recorder, lat. 32°13'15", long. 110°59', in NE¼ sec. 14, T. 14 S., R. 13 E., at Congress Street Bridge, in Tucson. Zero of gage is 2,327.2 feet above mean sea level.

Drainage area.- 2,100 square miles.

Records available.- October 1905 to September 1935.

Extremes.- Maximum discharge during year, 10,300 second-feet Sept. 1 (gage height, 12.25 feet); no flow during greater part of year.
1905-35: Maximum discharge, 11,400 second-feet Sept. 28, 1926 (gage height, 12.2 feet); no flow during greater part of each year.

Remarks.- Records good except those estimated, which are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	0	0	0				0	172	4,620
2			0	0	0	0				0	170	*440
3			0	0	0	0				0	0	*20
4			0	0	0	0				0	0	16
5			0	0	4	0				0	0	2
6			0	203	*5	0				0	0	*0
7			0	*10	*5	0				0	105	0
8			0	0	51	0				0	24	0
9			0	0	47	1				0	27	0
10			0	0	8	5				0	*1	0
11			0	0	7	4				0	8	0
12			0	0	8	3				0	*0	0
13			0	0	8	2				0	*70	0
14			0	0	6	1				0	130	0
15			0	0	5	0				0	120	0
16			0	0	4	0				0	6	0
17			0	0	3	0				140	1	0
18			0	0	3	0				150	0	0
19			0	0	3	0				35	0	0
20			0	0	0	0				25	0	0
21			0	0	0	0				0	1	0
22			0	0	0	0				0	0	0
23			0	0	0	0				0	446	0
24			0	0	0	0				0	1,720	0
25			0	0	*0	0				0	*40	0
26			0	0	0	0				0	*100	0
27			0	0	0	0				0	*5	0
28			14	0	0	0				0	*1	0
29			28	0	-	0				0	366	0
30			0	0	-	0				41	*70	0
31			0	0	-	0				220	577	-

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	42	28	0	1.4	83
Calendar year 1934	3,754	1,060	0	10.3	7,440
January	213	203	0	6.9	422
February	167	51	0	6.0	331
March	16	5	0	.5	32
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	611	220	0	19.7	1,210
August	4,160	1,720	0	134	8,250
September	5,098	4,620	0	170	10,110
Water year 1934-35	10,307	4,620	0	28.2	20,440

*Estimated.

Sonoita Creek near Patagonia, Ariz.

Location.- Water-stage recorder, lat. 31°30', long. 110°49'30", in sec. 20, T. 22 S., R. 15 E., unsurveyed, in Spanish land grant of San Jose de Sonoita, 5½ miles downstream from Patagonia.

Drainage area.- 210 square miles.

Records available.- June 1930 to December 1933, July to September 1935.

Extremes.- Maximum discharge during period July to September 1935, 3,600 second-feet Aug. 23 (gage height, 9.8 feet); minimum, 0.3 second-foot July 7-8. Maximum discharge during period station was not in operation, Dec. 4, 1933, to June 30, 1935, about 20,000 second-feet in August 1934 (gage height, 15.2 feet, from flood marks).
1930-35: Maximum discharge, that of August 1934; minimum, 0.2 second-foot Aug. 9, 1933.

Remarks.- Records fair. Discharge estimated Aug. 7-15 from fragmentary gage-height record. Minor diversions for irrigation and mining above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1										0.7	130	342
2										.7	7	108
3										.6	4	44
4										.5	75	60
5										.5	9	28
6										.4	6	22
7										.3	5	14
8										.3	5	10
9										.4	4	9
10										.4	3	9
11										.4	3	8
12										.5	2	7
13										.5	40	6
14										2	60	6
15										.9	10	6
16										.8	7	6
17										.8	7	6
18										219	6	6
19										20	12	64
20										10	6	7
21										7	5	7
22										3	163	5
23										2	380	142
24										2	140	42
25										1	71	16
26										2	15	15
27										4	6	12
28										3	210	11
29										2	51	11
30										10	6	10
31										4	926	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June					
July	299.7	219	0.3	9.67	594
August	2,374	926	2	76.6	4,710
September	1,039	342	5	34.6	2,060
The period					7,360

Rillito Creek near Tucson, Ariz.

Location.- Water-stage recorder, lat. 32°17'45", long. 110°59', in sec. 23, T. 13 S., R. 13 E., at Oracle Road bridge 4 miles above confluence with Santa Cruz River and 4 miles north of Tucson.

Drainage area.- 903 square miles.

Records available.- January 1911 to September 1935.

Extremes.- Maximum discharge during year, 13,400 second-feet Aug. 31 (gage height, 10.18 feet); no flow during greater part of year.
1911-35: Maximum discharge, 24,000 second-feet Sept. 23, 1929; no flow during greater part of each year.

Remarks.- Records fair except those for March, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	0	0	0				0	70	1,550
2			0	0	0	0				0	*4	506
3			0	0	0	0				0	0	*5
4			0	0	0	0				0	0	*0
5			0	0	0	1				0	0	*5
6			0	694	109	0				0	0	0
7			0	*30	773	0				0	13	0
8			0	*0	668	0				0	0	*10
9			0	0	162	0				0	1	*1
10			0	0	43	0				0	0	*0
11			0	0	27	5				0	0	0
12			0	0	*5	90				0	14	0
13			1	0	*3	110				0	50	0
14			0	0	*2	100				0	5	0
15			0	0	*2	60				0	*10	0
16			0	0	*1	30				0	*10	0
17			0	0	*1	*3				0	*1	*1
18			0	0	0	*1				0	0	0
19			0	0	0	0				0	0	*0
20			0	0	0	0				0	0	0
21			0	0	0	0				0	0	0
22			0	0	0	0				0	0	*5
23			0	0	0	0				0	0	0
24			0	0	0	0				0	1,070	*10
25			0	0	0	0				0	265	*0
26			0	0	0	0				0	1	*0
27			0	0	0	0				0	0	0
28			2	0	0	0				0	*2	0
29			*5	0	-	0				0	*120	0
30			0	0	-	0				0	5	0
31			0	0	-	0				188	2,360	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	8	5	0	.3	16
Calendar year 1934	924	320	0	2.5	1,830
January	724	694	0	23.4	1,440
February	1,796	773	0	64.1	3,560
March	400	110	0	12.9	793
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	188	188	0	6.1	373
August	4,001	2,360	0	129	7,940
September	2,093	1,550	0	69.8	4,150
Water year 1934-35	9,210	2,360	0	25.2	18,270

*Estimated.

Sabino Creek near Tucson, Ariz.

Location.- Water-stage recorder, lat. 32°19', long. 110°48'45", in E½ sec. 9, T. 13 S., R. 15 E., half a mile north of the Coronado National Forest boundary and 12 miles northeast of Tucson.

Drainage area.- 35 square miles.

Records available.- June 1932 to September 1935.

Extremes.- Maximum discharge during year, 540 second-feet Feb. 6 (gage height, 4.85 feet); no flow parts of June and July.
1932-35: Maximum discharge, 700 second-feet July 15, 1932 (gage height, 5.4 feet); no flow parts of June and July 1934 and 1935.

Remarks.- Records excellent. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.01	0.5	5.8	4.3	15	16	2.5	0.06	0	32	133
2	.3	.02	.4	4.5	3.8	20	15	2.5	.06	0	19	134
3	.2	.02	.4	4.5	3.8	40	15	2.5	.04	0	24	84
4	.2	.01	.3	4.0	3.5	54	14	2.7	.04	0	9.2	73
5	.2	.01	.3	3.8	4.4	56	13	2.5	.03	.01	5.5	47
6	.1	.01	.2	240	281	47	13	2.1	.04	.01	3.5	27
7	.08	.01	.2	74	383	38	12	1.7	.03	.01	2.5	19
8	.08	.01	.2	47	247	34	11	1.3	.03	0	1.9	14
9	.06	.01	.2	30	116	31	13	1.1	.03	0	1.4	11
10	.04	.01	.2	22	86	39	12	1.2	.02	0	1.1	9.2
11	.04	.01	.2	19	78	42	11	.6	.02	0	1.4	6.8
12	.04	.01	.2	36	66	73	9.7	.7	.02	0	5.5	5.8
13	.04	.02	15	30	53	104	8.8	.7	.02	0	52	4.8
14	.04	.02	28	21	46	119	7.9	.8	.02	0	14	3.6
15	.04	.01	12	17	69	116	7.6	.6	.02	0	9.2	3.3
16	.04	.2	6.1	25	49	97	8.4	.6	.01	0	11	3.3
17	.04	.02	3.5	20	40	67	7.9	.6	.01	8.7	7.2	2.9
18	.04	.02	2.9	16	36	54	8.8	1.1	.01	20	4.6	2.9
19	.04	.02	1.9	13	40	45	6.4	1.9	.01	8.3	3.3	3.9
20	.03	.03	1.4	11	50	53	6.1	1.0	.01	5.2	3.8	2.1
21	.02	.03	1.3	9.2	55	50	5.5	.7	.01	12	5.5	1.6
22	.02	.02	1.0	8.4	48	39	4.8	.5	.01	3.4	3.6	1.4
23	.02	.6	.8	7.9	41	32	4.3	.4	.01	1.4	3.3	1.9
24	.02	1.3	.7	7.6	34	30	4.3	.3	.01	.7	42	51
25	.02	1.4	.6	6.8	28	30	4.0	.2	.01	.4	27	21
26	.02	1.4	.6	6.1	23	26	3.8	.2	.01	.2	16	10
27	.01	1.0	.4	5.8	18	23	3.5	.1	.01	.2	10	7.9
28	.01	.7	1.4	5.0	16	21	3.3	.1	.01	.6	17	5.8
29	.01	.7	70	5.2	-	19	3.1	.1	.01	.4	18	3.2
30	.01	.6	21	4.5	-	18	2.9	.06	0	1.9	12	3.8
31	.01	-	11	4.5	-	17	-	.06	-	6.4	52	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2.22	0.4	0.01	0.072	4.4
November	8.23	1.4	.01	.274	16
December	182.9	70	.2	5.90	363
Calendar year 1934	602.52	70	0	1.65	1,200
January	714.6	240	3.8	23.1	1,420
February	1,922.8	383	3.5	68.7	3,810
March	1,449	119	15	46.7	2,870
April	256.1	16	2.9	8.54	508
May	31.44	2.7	.06	1.01	62
June	.62	.06	0	.021	1.2
July	69.83	20	0	2.25	139
August	420.7	52	1.1	13.6	834
September	700.4	134	1.4	23.3	1,390
Water year 1934-35	5,758.84	383	0	15.8	11,420

Salt River near Chrysotile, Ariz.

Location.- Water-stage recorder, lat. 33°48', long. 110°29'45", in sec. 5, T. 5 N., R. 18 E., unsurveyed, on San Carlos Indian Reservation, 1,200 feet above bridge on U. S. Highway 60, 8 miles above Cibecue Creek, and 5½ miles northeast of Chrysotile. Zero of gage is 3,381.2 feet above mean sea level.

Drainage area.- 2,830 square miles.

Records available.- September 1924 to September 1935.

Average discharge.- 11 years, 615 second-feet.

Extremes.- Maximum discharge during year, 15,000 second-feet Apr. 9 (gage height, 9.00 feet); minimum, 122 second-feet Dec. 5.
1924-35: Maximum discharge, 36,000 second-feet Feb. 10, 1932 (gage height, 13.3 feet); minimum, 95 second-feet July 16, 1934.

Remarks.- Records excellent except those above 5,000 second-feet and those estimated for Jan. 14, 25-28, Aug. 13-15, which are good. Estimates based on partial gage-height record and comparison with records of station near Roosevelt. Minor diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	172	141	141	200	401	796	2,720	1,410	870	289	558	1,160
2	160	144	141	180	422	811	2,700	1,360	840	265	710	906
3	154	144	137	170	422	1,130	2,760	1,310	805	256	439	929
4	154	144	135	172	417	1,570	2,840	1,220	812	243	390	769
5	150	146	135	177	401	2,270	2,880	1,160	812	230	348	921
6	146	146	135	415	494	1,810	2,910	1,090	812	222	338	748
7	144	146	141	973	8,750	1,200	2,810	1,080	790	213	374	592
8	144	146	152	761	7,700	1,060	2,690	1,020	776	205	416	490
9	141	146	189	615	4,410	1,210	9,330	1,020	755	194	458	428
10	137	146	154	555	3,260	1,380	5,310	1,080	728	187	395	368
11	137	146	154	562	4,050	1,340	3,690	1,160	714	183	318	332
12	137	146	152	2,850	2,130	1,950	3,380	1,210	748	183	274	296
13	137	146	157	1,880	1,330	2,350	3,280	1,190	812	187	350	272
14	139	146	172	950	1,450	3,040	3,280	1,120	762	172	350	253
15	137	146	206	893	2,970	3,490	3,310	1,050	755	172	450	239
16	137	150	209	2,700	1,530	3,270	3,230	1,010	735	172	526	226
17	137	159	209	1,770	921	2,748	3,450	967	721	169	502	213
18	135	167	200	1,130	805	2,370	3,260	990	662	362	395	204
19	135	167	186	896	769	2,450	2,770	1,090	610	205	348	213
20	133	189	167	681	862	2,380	2,440	1,050	573	255	313	204
21	137	209	159	444	1,150	2,100	2,340	936	543	243	313	280
22	141	183	159	300	1,440	1,970	2,280	862	526	226	338	243
23	141	177	162	277	1,530	1,880	2,250	855	497	205	348	459
24	141	164	162	310	1,540	1,780	2,160	877	464	187	545	291
25	141	162	159	300	1,370	1,920	1,980	914	442	183	743	267
26	141	157	152	290	1,100	2,080	1,770	952	411	172	496	390
27	141	152	150	290	916	2,080	1,620	974	379	176	390	306
28	141	152	162	300	833	2,200	1,540	967	353	183	358	428
29	141	152	203	324	-	2,420	1,490	936	323	209	615	363
30	141	148	219	354	-	2,640	1,440	906	308	226	635	306
31	141	-	229	380	-	2,750	-	891	-	217	1,130	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,413	172	133	142	8,750
November	4,667	209	141	156	9,260
December	5,158	229	135	166	10,230
Calendar year 1934	90,076	1,420	98	247	178,700
January	22,099	2,850	170	713	43,830
February	53,373	8,750	401	1,906	105,900
March	62,437	3,490	796	2,014	123,800
April	87,960	9,330	1,440	2,932	174,500
May	32,657	1,410	855	1,053	64,770
June	19,338	870	308	645	38,360
July	6,591	362	169	213	13,070
August	14,163	1,130	274	457	28,090
September	13,096	1,160	204	437	25,980
Water year 1934-35	325,952	9,330	133	893	646,500

Salt River near Roosevelt, Ariz.

Location.- Water-stage recorder, lat. 33°37'15", long. 110°54'45", in NE¼ sec. 9, T. 3 N., R. 14 E., unsurveyed, 100 feet below bridge on Roosevelt-Young highway, a quarter of a mile below Pinal Creek, 1 mile above diversion point for power canal, 3 miles above Roosevelt Reservoir, and 13 miles east of Roosevelt. Zero of gage is 2,178.7 feet above mean sea level. Prior to Jan. 18, staff gage at same site and datum.

Drainage area.- 4,310 square miles.

Records available.- October 1913 to September 1935.

Extremes.- Maximum discharge during year, 15,200 second-feet Apr. 9; maximum gage height, 13.43 feet Feb. 7; minimum discharge, 158 second-feet Dec. 7 (gage height, 3.17 feet).

1913-35: Maximum discharge, about 100,000 second-feet Jan. 19, 1916; minimum, 91 second-feet June 30, 1934.

Minimum discharge, about 42 second-feet Aug. 5, 1911.

Remarks.- Records Oct. 1 to Dec. 25 probably fair; records thereafter excellent. Discharge estimated June 11, 12 from partial gage-height record and discharge measurements. Minor diversions for irrigation above station. Daily discharge record Oct. 1 to Nov. 20, Nov. 22 to Dec. 11, Dec. 13-25, computed from base data furnished by Salt River Valley Water Users' Association and reconciled with data independently obtained Nov. 21, Dec. 12, and after Dec. 25.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	221	179	184	272	499	960	3,080	1,530	891	300	762	1,390
2	214	166	182	238	509	975	3,010	1,510	869	276	1,270	1,160
3	210	189	175	224	514	3,260	3,070	1,450	832	261	794	999
4	206	192	173	210	514	3,330	3,120	1,380	810	240	547	991
5	186	200	167	214	504	3,380	3,120	1,270	832	232	403	968
6	162	189	173	324	529	2,610	3,130	1,150	832	228	347	861
7	179	169	167	968	6,920	1,700	3,080	1,120	832	221	396	691
8	162	189	164	875	10,400	1,470	2,950	1,070	803	214	403	559
9	176	182	195	764	5,830	1,580	7,510	1,030	782	202	464	464
10	167	182	205	628	4,020	1,970	7,430	1,080	745	188	430	419
11	170	182	191	601	4,750	1,920	4,220	1,140	746	185	394	372
12	164	182	169	1,890	3,380	2,250	3,760	1,230	755	178	720	342
13	170	162	208	3,480	2,080	2,960	3,470	1,270	810	161	453	309
14	173	182	215	1,410	1,950	3,970	3,500	1,210	803	199	419	291
15	176	180	226	937	3,340	4,550	3,560	1,130	739	178	504	269
16	176	178	274	2,550	2,670	4,190	3,460	1,050	732	168	677	261
17	176	205	274	3,000	1,400	3,510	3,590	975	725	171	591	248
18	176	212	269	1,480	1,030	2,950	3,550	968	668	222	453	236
19	176	253	253	1,070	922	2,880	3,050	1,040	637	287	372	228
20	176	278	241	792	991	2,910	2,640	1,140	597	217	338	244
21	179	302	216	570	1,220	2,540	2,440	1,040	566	282	304	232
22	182	269	205	376	1,660	2,350	2,350	914	547	244	328	458
23	182	226	201	354	1,710	2,190	2,330	869	528	225	367	443
24	186	219	198	413	1,730	2,030	2,250	906	510	206	738	436
25	182	212	195	446	1,620	2,000	2,130	899	464	185	789	369
26	176	205	191	413	1,350	2,260	1,920	922	425	181	732	476
27	173	201	185	394	1,090	2,290	1,760	968	403	176	534	582
28	173	198	201	404	1,030	2,350	1,710	968	372	255	436	432
29	176	195	235	413	-	2,580	1,660	960	342	236	436	441
30	179	191	257	436	-	2,870	1,620	929	314	240	853	367
31	179	-	269	470	-	3,050	-	899	-	406	979	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,623	221	164	181	11,150
November	6,129	302	178	204	12,160
December	6,500	274	167	210	12,890
Calendar year 1934	106,151	1,920	91	291	210,600
January	26,616	3,480	210	859	52,790
February	64,162	10,400	499	2,292	127,300
March	79,835	4,550	960	2,575	158,400
April	94,490	7,510	1,620	3,150	187,400
May	34,017	1,530	869	1,097	67,470
June	19,911	891	314	664	39,490
July	6,988	406	168	225	13,860
August	17,235	1,270	304	556	34,180
September	15,538	1,390	228	518	30,820
Water year 1934-35	377,044	10,400	164	1,033	747,900

Reservoir system on Salt River at and below Roosevelt Dam, Ariz.

Location.- This sytem is comprised of four storage reservoirs created by four separate dams in Salt River, in downstream order as follows: Roosevelt Lake, formed by Roosevelt Dam, in sec. 20, T. 4 N., R. 12 E., unsurveyed; Apache Lake, formed by Horse Mesa Dam, 17 miles below Roosevelt Dam; Canyon Lake, formed by Mormon Flat Dam, 26 miles below Roosevelt Dam; Stewart Mountain Lake, formed by Stewart Mountain Dam, 36 miles below Roosevelt Dam.

Drainage area.- 6,200 square miles at Stewart Mountain Dam.

Records available.- October 1934 to September 1935.

Extremes.- Maximum mean daily contents for system during year, 823,500 acre-feet May 7; minimum mean daily contents, 177,500 acre-feet Nov. 16.

Remarks.- Total storage capacity of the four reservoirs is 2,015,000 acre-feet, divided as follows: Roosevelt Lake, 1,637,000 acre-feet; Apache Lake, 245,000 acre-feet; Canyon Lake, 63,200 acre-feet; Stewart Mountain Lake, 70,000 acre-feet. Water from this system is used for irrigation of Salt River Valley near Phoenix. The four dams forming these reservoirs completely develop the head in Salt River from Roosevelt Lake to Stewart Mountain Dam. Records of daily contents furnished by Salt River Valley Water Users' Association.

Daily contents in thousands of acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	238.0	193.3	186.7	198.8	272.9	448.2	671.2	816.7	806.4	735.5	627.9	610.8
2	237.4	191.5	187.2	199.1	273.2	450.0	676.2	817.4	805.6	731.7	626.7	611.5
3	237.2	190.3	187.7	199.2	273.6	454.4	681.3	818.3	805.1	727.8	627.3	616.0
4	236.4	189.2	187.1	200.2	274.5	473.0	687.8	819.5	804.0	723.9	628.7	618.3
5	235.1	188.4	187.8	200.9	275.8	489.2	693.2	820.8	802.2	720.6	629.0	618.0
6	233.8	187.5	187.8	201.8	277.1	500.2	697.8	822.6	800.4	717.0	627.6	617.9
7	232.4	186.2	187.8	203.8	278.4	507.7	702.9	823.5	798.2	713.6	625.4	617.9
8	231.1	184.8	187.9	207.1	299.9	512.6	707.2	823.3	796.4	710.3	623.7	617.1
9	229.2	183.6	187.9	209.6	326.3	518.6	714.1	821.9	795.0	706.4	622.2	615.8
10	227.4	182.8	188.6	211.4	343.9	524.6	730.7	821.5	794.1	701.9	621.2	614.0
11	225.6	182.1	188.4	214.0	355.3	531.6	743.7	821.0	792.3	698.0	620.0	611.6
12	223.5	181.3	188.1	216.0	366.5	538.4	752.6	820.7	790.5	694.1	618.9	608.3
13	221.8	180.6	188.7	220.7	374.7	543.9	759.9	820.7	788.3	690.0	618.1	605.2
14	220.1	179.1	189.3	230.0	380.5	551.3	766.2	821.2	786.1	685.9	616.3	600.0
15	218.8	178.1	189.8	234.6	389.4	564.5	772.5	820.7	784.1	682.6	614.9	595.3
16	217.7	177.5	190.5	237.9	400.5	576.5	778.5	819.8	781.7	679.1	615.4	591.2
17	216.6	177.6	191.2	244.7	408.3	586.8	784.6	818.1	779.9	675.0	616.9	587.4
18	215.5	178.2	191.4	251.6	412.8	595.5	789.0	817.0	777.8	670.3	617.8	583.4
19	214.3	178.9	191.6	256.5	416.6	602.5	794.5	817.0	775.4	665.5	618.6	579.3
20	212.1	179.9	192.2	259.8	419.3	608.8	796.9	817.6	772.5	662.7	619.8	575.3
21	210.9	181.0	192.8	262.2	421.8	615.1	801.7	817.8	768.5	660.1	618.5	571.6
22	210.1	182.2	193.6	263.9	425.1	621.0	804.5	817.4	766.7	657.7	616.0	568.3
23	208.9	183.5	194.1	265.8	429.3	626.4	807.3	816.6	764.1	655.1	615.0	565.6
24	207.4	184.4	194.4	267.1	433.3	631.4	809.8	815.6	761.3	651.9	613.4	564.0
25	205.5	185.0	194.9	268.5	436.9	635.6	811.9	814.4	758.3	648.1	613.4	562.3
26	203.4	185.2	195.4	269.8	440.2	640.0	813.7	813.8	754.1	644.3	614.8	561.7
27	201.2	185.6	195.7	270.7	443.3	644.0	815.1	812.7	750.3	640.6	615.0	561.4
28	199.7	185.7	195.8	271.4	446.0	649.8	815.7	811.3	746.3	637.8	614.1	561.5
29	198.1	185.8	197.0	272.7	-	654.0	816.5	809.9	742.7	635.2	612.7	562.1
30	196.4	186.2	197.8	273.4	-	658.7	816.6	808.6	739.2	632.6	611.1	562.1
31	194.9	-	198.2	273.3	-	665.1	-	807.6	-	630.3	610.5	-

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Salt River at Stewart Mountain Dam, Ariz.

Location.- Water-stage recorder, lat. 33°33'15", long. 111°32', in SE¼ sec. 33, T. 3 N., R. 8 E., unsurveyed, in Tonto National Forest, three-quarters of a mile below Stewart Mountain Dam and 9 miles above Verde River. Zero of gage is 1,396.87 feet above mean sea level (from Salt River Valley Water Users' Association bench mark).

Drainage area.- 6,200 square miles.

Records available.- October 1934 to September 1935.

Extremes.- Maximum discharge during year, 2,660 second-feet Sept. 13 (gage height, 10.38 feet); minimum, 3 second-feet Jan. 8-20; minimum gage height, 5.48 feet Jan. 14, 17.

Remarks.- Records excellent. Discharge regulated at Stewart Mountain Dam and at three other dams as described under "Reservoir system on Salt River at and below Roosevelt Dam, Ariz." Entire flow is diverted for irrigation by Salt River Valley Water Users' Association at Granite Reef Dam 13 miles downstream.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	587	1,060	114	12	26	20	21	1,270	1,160	2,010	1,360	316
2	679	1,030	24	10	26	20	150	1,080	1,160	2,040	1,200	283
3	853	873	122	6	26	20	476	792	1,270	2,060	694	334
4	887	661	174	4	26	21	544	497	1,510	1,900	456	853
5	922	735	203	4	27	21	626	393	1,700	1,980	992	1,010
6	1,110	908	140	4	27	21	517	766	1,730	1,970	1,500	1,010
7	1,070	866	120	4	31	21	451	1,220	1,690	1,840	1,480	1,020
8	1,100	860	93	3	22	21	357	1,410	1,390	1,910	1,210	978
9	1,190	741	72	3	22	21	122	1,570	1,280	2,160	1,160	1,270
10	1,200	620	34	3	22	21	52	1,380	1,340	2,180	1,010	1,760
11	1,250	522	174	3	21	21	52	1,070	1,660	2,180	922	2,150
12	1,220	492	220	3	21	20	68	964	1,920	2,120	1,170	2,440
13	1,040	598	9	3	21	20	403	1,130	1,860	2,020	1,500	2,600
14	766	661	7	3	20	20	348	1,530	1,770	1,920	1,310	2,620
15	866	597	7	3	20	20	343	1,580	1,670	1,870	383	2,480
16	866	468	7	3	20	20	492	1,500	1,410	2,220	48	2,380
17	760	130	7	3	20	20	866	1,310	1,620	2,480	55	2,510
18	741	8	7	3	20	20	964	999	1,790	2,350	57	2,510
19	964	8	7	3	20	20	985	656	1,980	2,010	181	2,420
20	887	10	7	3	20	20	1,050	819	1,960	1,570	846	2,320
21	673	8	7	4	20	20	894	1,240	2,160	1,290	1,350	2,050
22	728	8	7	6	20	20	760	1,470	2,100	1,470	1,540	1,820
23	957	8	7	6	20	20	929	1,430	2,010	1,890	1,200	1,710
24	1,120	8	7	16	19	20	1,200	1,440	2,120	1,970	904	1,540
25	1,230	8	7	26	19	20	1,360	1,390	2,240	2,000	233	929
26	1,160	29	9	26	19	57	1,430	1,310	2,260	1,930	530	685
27	950	139	12	26	19	291	1,200	1,430	2,180	1,810	1,020	569
28	812	81	12	26	19	56	1,080	1,660	2,170	1,530	1,070	419
29	880	18	12	26	-	50	1,290	1,630	2,040	1,320	1,130	382
30	1,080	96	12	26	-	22	1,490	1,490	1,980	1,400	1,190	832
31	1,100	-	12	26	-	21	-	1,220	-	1,470	788	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	29,648	1,250	687	956	58,810
November	12,251	1,060	8	408	24,300
December	1,662	220	7	53.3	3,280
Calendar year					
January	297	26	3	9.6	589
February	613	31	19	21.9	1,220
March	1,005	291	20	32.4	1,990
April	20,520	1,490	21	684	40,700
May	37,666	1,660	393	1,215	74,710
June	53,130	2,260	1,160	1,771	105,400
July	58,870	2,480	1,290	1,899	116,800
August	28,489	1,540	48	919	56,510
September	44,200	2,620	283	1,473	87,670
Water year 1934-35	288,341	2,620	3	790	572,000

Tonto Creek near Roosevelt, Ariz.

Location.- Staff gage, lat. 33°51'45", long. 111°18'15", in sec. 14, T. 6 N., R. 10 E., 7 miles above Roosevelt Reservoir and 17 miles northwest of Roosevelt. Prior to Mar. 22, 1935, staff gage 200 feet upstream at different datum.

Drainage area.- 813 square miles.

Records available.- October 1913 to September 1935.

Extremes.- Maximum mean daily discharge during year, 1,550 second-feet Mar. 3; minimum, 1 second-foot July 15-16, 24-27.
1913-35: Maximum mean daily discharge, 20,000 second-feet (estimated) Dec. 28, 1923; no flow Sept. 4-10, 1924.

Remarks.- Records poor except those for low water in spring and summer, which are fair. Minor diversions for irrigation above station. Salt River Valley Water Users' Association furnished daily-discharge record Oct. 1 to Mar. 21 and furnished gage readings Mar. 22 to Sept. 30.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	5	12	25	80	40	220	66	12	5	36	74
2	7	5	12	20	75	35	223	66	12	3	90	437
3	6	5	12	18	65	1,550	223	66	12	3	615	104
4	5	5	12	18	58	850	217	66	11	3	164	60
5	7	5	10	16	51	588	223	66	12	3	81	47
6	5	5	8	425	65	234	223	66	7	3	34	74
7	5	5	8	500	720	128	223	53	7	3	24	36
8	5	5	6	450	1,180	120	257	53	7	3	24	25
9	5	4	6	430	980	234	671	51	7	3	40	17
10	4	4	6	400	716	128	414	53	7	3	15	12
11	4	4	6	244	662	128	293	41	6	2	209	10
12	4	4	6	750	540	234	257	41	7	2	94	7
13	3	4	6	716	475	364	223	41	7	2	63	6
14	3	4	12	588	475	588	192	41	7	2	45	6
15	3	4	18	365	615	1,165	186	41	4	1	157	4
16	5	4	28	970	495	1,070	192	32	4	1	178	4
17	5	5	28	716	435	900	164	20	4	1	95	5
18	5	5	24	540	364	874	139	30	4	1	57	4
19	5	5	22	474	340	824	132	30	4	2	45	4
20	5	500	14	365	298	824	117	30	4	2	29	6
21	5	216	18	235	234	774	117	30	4	2	23	7
22	5	70	18	128	234	355	117	30	4	2	15	7
23	4	35	15	120	128	308	98	30	4	2	98	12
24	4	25	15	110	128	308	98	30	4	1	217	30
25	4	20	15	102	110	247	98	30	4	1	109	98
26	4	19	15	95	79	247	81	20	4	1	65	47
27	4	15	15	87	50	217	81	20	5	1	41	164
28	4	14	15	79	45	230	81	18	5	31	43	265
29	4	16	19	79	-	217	66	20	5	66	45	108
30	3	14	35	80	-	217	66	12	5	47	22	53
31	3	-	28	80	-	254	-	12	-	30	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	147	12	3	4.7	292
November	1,031	500	4	34.4	2,040
December	464	35	6	15.0	920
Calendar year 1934	8,810	800	2	24.1	17,470
January	9,225	970	16	298	18,300
February	9,697	1,180	45	346	19,230
March	14,252	1,550	35	460	28,270
April	5,692	671	66	190	11,290
May	1,205	66	19	38.9	2,390
June	189	12	4	6.3	375
July	232	66	1	7.5	460
August	2,845	615	15	91.8	5,640
September	1,733	437	4	57.8	3,440
Water year 1934-35	46,712	1,550	1	128	92,650

Verde River near Camp Verde, Ariz.

Location.- Water-stage recorder, lat. 34°27', long. 111°47'15", in sec. 1, T. 12 N., R. 5 E., unsurveyed, a short distance below Camp Verde dam site, about 750 feet above Chasm Creek, and 9 miles southeast of Camp Verde. Zero of gage is 2,874.8 feet above mean sea level (from U. S. Bureau of Reclamation bench mark).

Drainage area.- 5,010 square miles.

Records available.- April 1934 to September 1935. December 1912 to March 1920, at station Verde River at Camp Verde, Ariz., 15 miles upstream.

Extremes.- Maximum discharge during year, 11,500 second-feet Apr. 9 (gage height, 13.43 feet); minimum, 60 second-feet July 1.
1912-20, 1934-35: Maximum discharge, 32,000 second-feet Feb. 22, 1920; minimum, 31 second-feet July 28, 29 1914.

Remarks.- Records excellent. Minor diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	134	144	216	225	832	394	1,360	102	102	62	236	812
2	130	151	216	223	786	470	1,150	107	99	65	183	1,410
3	125	154	216	216	637	869	886	112	95	65	170	403
4	121	161	216	223	470	1,350	780	120	92	69	183	387
5	123	164	218	225	390	1,120	696	131	92	71	167	307
6	123	164	216	263	456	955	617	131	90	67	147	349
7	114	171	216	395	4,850	632	498	120	90	69	143	259
8	114	168	213	358	4,180	527	429	112	90	71	135	228
9	119	168	211	333	3,460	438	6,870	104	87	69	130	209
10	121	171	208	292	2,240	425	2,830	99	85	69	130	187
11	119	174	211	274	1,390	403	1,360	104	90	71	139	167
12	121	176	213	1,020	1,110	416	893	109	83	80	171	150
13	128	184	258	1,050	1,040	1,040	552	107	79	69	181	142
14	132	164	290	659	1,340	3,800	429	107	77	67	938	127
15	132	181	304	2,130	1,920	5,730	372	104	73	65	915	127
16	134	181	288	2,590	1,010	4,690	322	99	73	65	1,540	127
17	137	194	288	1,590	637	2,300	271	95	73	77	1,110	112
18	146	204	256	805	466	1,520	230	114	75	81	506	107
19	149	211	243	557	618	1,260	202	120	73	85	345	196
20	151	240	241	399	1,250	923	166	120	71	150	263	261
21	146	232	234	330	1,900	724	145	117	71	176	218	161
22	154	225	230	288	1,730	734	139	112	69	136	187	379
23	158	220	230	281	1,360	696	135	112	71	165	208	170
24	161	220	223	263	1,120	643	128	112	75	154	895	244
25	158	218	225	265	803	581	122	104	69	133	319	280
26	158	223	225	458	542	685	114	107	69	120	266	232
27	156	223	220	669	447	942	107	107	73	107	237	1,200
28	156	220	220	850	390	1,320	102	107	71	205	218	550
29	161	220	225	974	-	1,470	102	107	69	148	194	311
30	151	223	230	974	-	1,530	102	104	65	151	989	270
31	144	-	232	899	-	1,470	-	99	-	317	1,420	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,276	161	114	138	8,480
November	5,769	240	144	192	11,440
December	7,232	304	208	233	14,340
Calendar year					
January	20,078	2,590	216	648	39,820
February	37,374	4,850	390	1,335	74,130
March	40,057	5,730	394	1,292	79,450
April	22,107	6,870	102	737	43,850
May	3,405	131	95	110	6,750
June	2,391	102	65	79.7	4,740
July	3,299	317	62	106	6,540
August	12,883	1,540	130	416	25,550
September	9,864	1,410	107	329	19,560
Water year 1934-35	168,735	6,870	62	462	334,700

Verde River below East Verde River, near Pine, Ariz.

Location.- Water-stage recorder, lat. 34°16', long. 111°40'30", in sec. 30, T. 11 N., R. 7 E., unsurveyed, 2½ miles below East Verde River and 15 miles southwest of Pine. Zero of gage is 2,402.1 feet above mean sea level (from Salt River Valley Water Users' Association bench mark).

Drainage area.- 5,650 square miles.

Records available.- June 1934 to September 1935.

Extremes.- Maximum discharge during year, 10,500 second-feet Apr. 9 (gage height, 11.76 feet); minimum, 79 second-feet June 30 (gage height, 6.10 feet).
1934-35: Maximum discharge, that of Apr. 9, 1935; minimum, 78 second-feet July 16, 1934.

Remarks.- Records excellent. Minor diversions for irrigation above station. Some regulation by power plant 9 miles upstream using water from Fossil Creek.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	176	188	267	286	677	477	1,460	173	150	103	381	1,080
2	169	184	248	272	848	574	1,310	173	132	107	376	1,760
3	166	191	257	267	698	2,710	1,080	191	143	107	492	594
4	159	188	257	267	597	2,340	948	195	153	111	299	477
5	153	202	267	290	513	1,700	887	195	147	104	258	427
6	163	206	267	347	813	1,230	781	206	150	111	216	410
7	150	219	262	469	7,400	999	690	199	143	105	250	328
8	156	214	257	520	5,880	887	613	191	140	109	258	284
9	156	210	240	450	4,720	828	6,050	173	124	118	197	271
10	153	214	257	364	2,850	790	3,360	163	129	116	182	253
11	159	202	257	612	1,830	771	1,600	159	136	116	269	236
12	166	219	262	3,540	1,430	1,070	1,090	150	134	116	232	212
13	159	231	345	1,620	1,330	1,740	762	169	127	124	262	212
14	159	227	353	897	2,580	4,410	597	169	124	103	789	190
15	169	231	359	1,710	3,150	6,240	520	168	124	109	1,120	188
16	176	231	337	3,600	1,400	5,360	457	166	107	114	1,760	168
17	176	240	342	2,060	917	2,660	399	156	109	172	1,290	162
18	184	235	321	1,060	690	1,800	347	166	121	195	719	156
19	188	257	300	716	725	1,550	305	173	116	136	458	222
20	188	321	276	542	1,300	1,230	276	184	114	159	333	264
21	176	305	276	438	1,970	938	240	180	114	216	304	186
22	191	276	276	386	1,940	968	227	171	109	200	308	394
23	195	267	262	370	1,580	928	227	171	99	197	276	228
24	199	253	272	347	1,330	838	219	171	109	216	948	273
25	202	248	253	412	1,020	744	206	168	111	197	520	327
26	199	257	267	482	771	790	191	140	107	172	343	328
27	195	262	276	681	630	1,020	176	159	109	146	323	755
28	188	267	281	868	520	1,310	169	162	109	210	284	1,160
29	202	257	286	989	-	1,530	173	166	95	200	248	416
30	202	267	276	1,020	-	1,570	173	161	98	197	515	318
31	191	-	286	958	-	1,560	-	153	-	273	1,820	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,465	202	150	176	10,840
November	7,069	321	184	236	14,020
December	8,742	359	240	282	17,340
Calendar year					
January	26,842	3,600	267	866	53,240
February	50,309	7,400	513	1,797	99,790
March	51,562	6,240	477	1,663	102,300
April	25,587	6,050	169	853	50,750
May	5,321	206	140	172	10,550
June	3,683	153	95	123	7,310
July	4,659	273	103	150	9,240
August	16,030	1,820	182	517	31,800
September	12,259	1,760	156	409	24,320
Water year 1934-35	217,528	7,400	95	596	431,500

Verde River above Camp Creek, near McDowell, Ariz.

Location.- Water-stage recorder, lat. 33°46'45", long. 111°39'15", in sec. 16, T. 5 N., R. 7 E., unsurveyed, half a mile above Camp Creek and 10 miles north of McDowell. Zero of gage is 1,530.4 feet above mean sea level (from U. S. Bureau of Reclamation bench mark).

Drainage area.- 6,230 square miles.

Records available.- February 1925 to September 1935. August to September 1889, April 1897 to November 1899, January 1901 to February 1925 at a point three-quarters of a mile above mouth of Verde River.

Extremes.- Maximum discharge during year, 14,300 second-feet Feb. 7 (gage height, 11.56 feet); minimum, 73 second-feet July 2 (gage height, 3.70 feet).
1897-1935: Maximum discharge, 96,000 second-feet (estimated) Nov. 27, 1905; minimum, 32 second-feet July 19, 20, 1904.

Remarks.- Records excellent. Minor diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	163	187	263	308	977	627	1,630	198	150	79	311	1,440
2	165	181	266	304	914	616	1,460	204	147	79	375	1,600
3	169	166	250	290	880	2,490	1,240	213	140	84	469	1,210
4	157	181	263	283	790	4,070	1,090	219	127	88	460	604
5	155	176	260	290	688	2,720	984	222	144	88	304	516
6	155	187	277	468	753	2,070	928	216	140	90	273	445
7	150	201	273	605	6,220	1,560	847	219	137	90	237	450
8	150	195	270	741	8,880	1,300	784	216	137	88	225	379
9	142	195	266	632	6,520	1,260	3,040	210	134	84	271	353
10	140	198	250	539	4,250	1,270	6,180	193	132	90	213	320
11	140	201	253	451	2,750	1,280	2,530	187	117	99	193	287
12	142	195	266	3,850	2,000	1,260	1,610	181	124	97	238	272
13	144	198	387	3,140	1,740	1,700	1,140	173	127	92	246	232
14	155	207	671	1,650	2,420	3,090	865	170	120	97	260	216
15	150	219	473	1,030	4,270	6,000	712	179	113	99	1,820	200
16	152	216	442	3,340	2,560	6,140	611	176	113	84	2,030	187
17	160	231	387	3,320	1,510	4,380	520	173	108	90	1,810	178
18	168	231	367	1,860	1,070	2,510	460	168	95	95	1,320	172
19	170	237	341	1,110	907	1,890	429	170	99	160	757	200
20	173	1,340	322	887	972	1,690	371	176	104	144	520	203
21	176	421	311	666	1,660	1,360	326	179	99	130	402	250
22	176	329	308	544	2,340	1,180	308	167	99	165	419	196
23	179	294	301	460	2,060	1,060	287	179	97	176	658	360
24	187	277	283	442	1,610	1,020	277	168	92	163	378	366
25	190	266	283	421	1,300	977	257	168	84	179	972	328
26	198	263	273	469	1,100	841	250	165	90	176	568	340
27	193	257	283	549	854	887	237	155	92	176	416	761
28	190	257	301	741	711	1,180	213	144	90	142	362	1,220
29	181	257	308	935	-	1,470	207	155	90	144	316	799
30	187	257	311	1,000	-	1,570	204	157	90	187	362	469
31	195	-	308	1,100	-	1,650	-	155	-	173	1,170	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,145	198	140	166	10,200
November	8,022	1,340	166	267	15,910
December	9,817	671	250	317	19,470
Calendar year 1934	84,503	1,340	69	232	167,600
January	32,414	3,850	283	1,046	64,290
February	62,606	8,880	688	2,236	124,200
March	61,108	6,140	616	1,971	121,200
April	29,997	6,180	204	1,000	59,500
May	5,675	222	144	183	11,260
June	3,431	150	64	114	6,810
July	3,728	187	79	120	7,390
August	18,355	2,030	193	592	36,410
September	14,553	1,600	172	485	28,870
Water year 1934-35	254,851	8,880	79	698	505,500

Granite Creek near Prescott, Ariz.

Location.- Water-stage recorder, lat. 34°33'30", long. 112°26'30", in SW¼ sec. 26, T. 14 N., R. 2 W., unsurveyed, at highway bridge 2 miles north of Prescott and 4½ miles above Willow Creek. Zero of gage is 5,207.3 feet above mean sea level (from Arizona Highway Department bench mark).

Drainage area.- 39 square miles.

Records available.- July 1932 to September 1935.

Extremes.- Maximum discharge during year, about 600 second-feet Aug. 30 (gage height, 7.75 feet); no flow much of year.
1932-35: Maximum discharge, that of Aug. 30, 1935; no flow much of each year.

Remarks.- Records fair. No flow Oct. 1 to Jan. 5 and from about May 21 to July 11. Discharge not determined Jan. 6 to May 20 because stage-discharge relation was affected by an unstable low loose rock dam which was finally largely washed away. Discharge Aug. 14, 15, 26, 27 estimated from partial gage-height record. City of Prescott takes water for municipal supply from storage reservoirs on tributaries and pumps underflow from stream bed immediately above station. Water stored for irrigation in reservoir 3 miles below station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1										0	0.2	8
2										0	0	3
3										0	0	1
4										0	0	1
5										0	0	.7
6										0	0	.5
7										0	0	.3
8										0	0	.2
9										0	0	.2
10										0	0	.2
11										0	4	.2
12										.1	0	.2
13										0	8	.2
14										0	7	.2
15										0	2	.2
16										0	2	.2
17										0	0	.2
18										0	0	.2
19										0	0	.2
20										0	0	3
21										0	0	.4
22										0	0	.2
23										0	1	2
24										0	9	6
25										0	4	1
26										0	1	2
27										0	.1	2
28										0	.1	1
29										.5	.1	.3
30										2	41	.3
31										.1	19	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	274.5	62	0	.75	545
January					
February					
March					
April					
May					
June	0	0	0	0	0
July	2.7	2	0	.09	5.4
August	98.6	41	0	3.18	195
September	35.1	8	.2	1.17	70
Water year					

Willow Creek near Prescott, Ariz.

Location.- Water-stage recorder, lat. 34°36'30", long. 112°25'30", in SE¼NW¼ sec. 12, T. 14 N., R. 2 W., three-eighths of a mile above mouth and 5 miles north of Prescott. Zero of gage is 5,031.0 feet above mean sea level (from Arizona State Highway Department bench mark).

Drainage area.- 22 square miles.

Records available.- June 1932 to September 1935.

Extremes.- Maximum discharge during year, about 1,300 second-feet Aug. 25 (gage height, 8.6 feet); minimum, 0.02 second-foot Aug. 10.
1932-35: Maximum discharge, that of Aug. 25, 1935; minimum, that of Aug. 10, 1935.

Remarks.- Records fair. Discharge estimated Oct. 26 to Nov. 21, Sept. 6-9 from fragmentary gage-height record. No diversions above station; small diversion for irrigation below station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.1	0.1	0.2	0.2	0.5	2.4	1.2	0.7	0.2	0.2	0.2	0.3
2	.1	.1	.2	.3	.6	2.7	1.1	.6	.2	.2	.2	.3
3	.1	.1	.2	.4	.6	9.9	1.0	.6	.2	.2	.1	.3
4	.1	.1	.2	.4	.6	17	.9	.6	.2	.2	.1	.2
5	.1	.1	.3	.6	.6	14	.9	.6	.2	.2	.1	.2
6	.1	.1	.4	.9	12	10	.9	.5	.2	.2	.1	.2
7	.1	.1	.4	.6	96	8.9	1.0	.4	.2	.2	.1	.2
8	.1	.1	.4	.5	54	13	2.2	.3	.2	.2	.1	.2
9	.1	.1	.4	.4	24	12	1.8	.3	.2	.2	.1	.2
10	.1	.1	.4	.4	13	13	.7	.3	.2	.2	.2	.2
11	.1	.1	.3	1.3	6.1	10	.8	.3	.2	.2	.2	.3
12	.1	.1	.3	.4	5.2	13	.8	.3	.2	.2	.3	.2
13	.1	.1	1.0	.2	6.8	18	1.0	.4	.2	.2	3.7	.3
14	.1	.1	.3	.5	12	24	1.0	.4	.2	.2	2.6	.2
15	.1	.1	.4	1.0	15	21	.9	.4	.1	.2	2.9	.2
16	.1	.1	.2	1.0	8.1	13	.8	.4	.2	.2	.7	.2
17	.1	.2	.2	.7	5.0	6.5	.8	.4	.2	.2	.6	.2
18	.1	.2	.2	.5	3.6	4.3	.8	.4	.2	.2	.5	.2
19	.1	.2	.2	.7	3.2	5.0	.8	.4	.2	.4	.7	.2
20	.1	.2	.2	.6	3.1	3.8	.7	.4	.2	.3	1.0	.9
21	.1	.2	.2	.5	3.2	2.8	.7	.4	.2	.3	1.0	.2
22	.1	.2	.2	.4	3.1	2.2	.8	.4	.2	.4	1.2	.2
23	.1	.1	.2	.4	3.0	2.0	.7	.4	.2	.4	1.2	.2
24	.1	.1	.2	.4	2.9	1.7	.7	.3	.2	.5	3.2	2.4
25	.1	.1	.2	.4	2.8	1.7	.7	.3	.2	.4	48	.6
26	.1	.1	.2	.4	2.9	1.7	.6	.3	.2	.2	3.0	.4
27	.1	.2	.2	.4	2.9	1.7	.6	.3	.1	.2	.4	.9
28	.1	.2	.2	.6	2.6	1.7	.7	.3	.1	.1	.3	.6
29	.1	.1	.2	.6	-	1.6	.6	.3	.1	.1	.4	.4
30	.1	.2	.2	.6	-	1.4	.6	.2	.2	.1	1.4	.4
31	.1	-	.2	.6	-	1.3	-	.2	-	.1	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3.1	0.1	0.1	0.10	6.1
November	3.9	.2	.1	.13	7.7
December	8.6	1.0	.2	.28	17
Calendar year 1934	230.0	29	.1	.63	458
January	16.9	1.3	.2	.55	34
February	295.4	98	.5	10.6	586
March	241.3	24	1.3	7.78	479
April	26.8	2.2	.6	.89	53
May	12.1	.7	.2	.39	24
June	5.6	.2	.1	.19	11
July	7.1	.5	.1	.23	14
August	75.1	48	.1	2.42	149
September	11.5	2.4	.2	.38	23
Water year 1934-35	707.4	98	.1	1.94	1,400

Gillespie Canal at Gillespie Dam, Ariz.

Location.- Water-stage recorder, lat. 33°13'45", long. 112°45'30", in SE¼NE¼ sec. 28, T. 2 S., R. 5 W., 200 feet below head gates at Gillespie Dam. Zero of gage is 744.2 feet above mean sea level (from Gillespie Land & Irrigation Co. bench mark).

Records available.- May to September 1935.

Remarks.- Records good except those for Aug. 19-25, which are poor. Discharge estimated July 10-21, 25-27. Canal diverts from left side of Gila River at Gillespie Dam. Water used for irrigation near Gila Bend.

Discharge, in second-feet, May to September, 1935

Day	May	June	July	Aug.	Sept.	Day	May	June	July	Aug.	Sept.
1	-	70	29	19	144	16	-	45	19	29	95
2	-	74	32	24	140	17	-	44	19	8	93
3	-	72	27	30	140	18	-	47	18	11	92
4	-	66	24	36	140	19	-	46	18	80	92
5	-	65	25	60	145	20	-	44	17	130	104
6	-	64	25	40	148	21	-	44	17	130	102
7	-	59	23	37	148	22	-	43	16	100	94
8	-	61	23	52	150	23	-	40	16	120	66
9	-	63	23	34	150	24	-	40	15	90	92
10	-	63	22	31	140	25	83	34	14	135	102
11	-	61	22	32	142	26	85	34	14	136	130
12	-	57	21	29	127	27	85	36	14	140	130
13	-	56	21	29	109	28	85	31	32	147	80
14	-	54	20	36	98	29	83	27	24	150	70
15	-	46	20	36	93	30	77	29	50	150	68
						31	77	-	26	153	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
May 25-31	575	85	77	82.1	1,140
June	1,515	74	27	50.5	3,000
July	686	50	14	22.1	1,360
August	2,234	153	8	72.1	4,430
September	3,452	150	68	115	6,850
The period					16,780

Note.- Discharge measurement Feb. 21, 1935, 179 second-feet.

Enterprise Canal at Gillespie Dam, Ariz.

Location.- Lat. 33°13'30", long. 112°45'45", in SW¼NE¼ sec. 28, T. 2 S., R. 5 W., at head of canal at Gillespie Dam.

Records available.- June to September 1935 (discharge measurements only).

Remarks.- Canal diverts from Gila River at right end of Gillespie Dam. Water used for irrigation. Quantity of water diverted is regulated to be nearly constant, but flow in canal is increased when there is flow over the dam.

Discharge measurements, in second-feet, for period June to September 1935

Date	Discharge	Date	Discharge	Date	Discharge
June 1	11.8	July 9	11.4	Aug. 21	13.5
11	12.0	23	11.9	26	10.5
17	10.6	29	11.4	29	19.6
25	12.1	Aug. 4	11.7	Sept. 10	12.2
July 1	12.8	13	13.1	17	13.4

Whitewater Draw near Douglas, Ariz.

Location.- Water-stage recorder, lat. 31°21'15", long. 109°35', in SW¼SE¼ sec. 10, T. 24 S., R. 27 E., at highway bridge 1½ miles upstream from international boundary and 2 miles west of Douglas.

Drainage area.- 1,023 square miles.

Records available.- August 1911 to April 1922, June 1930 to December 1933, May to September 1935.

Extremes.- Maximum discharge recorded during year, 2,900 second-feet Sept. 1 (gage height, 11.40 feet); minimum, 0.2 second-foot July 25.

Maximum discharge during period Dec. 19, 1933, to Apr. 30, 1935, when station was not in operation, 3,100 second-feet probably in August 1934 (gage height, 11.65 feet, from flood marks).

1930-35: Maximum discharge, 3,450 second-feet Aug. 10, 1931 (gage height, 12.15 feet); minimum, that of July 25, 1935.

Maximum known discharge, 4,050 second-feet (estimated) July 28, 1919.

Remarks.- Records good. Discharge estimated May 1-8, Sept. 4-7, 27-30, from partial record and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								1	1.2	0.8	92	581
2								1	1.2	.8	156	516
3								1	1.5	.7	58	44
4								2	1.3	.7	8	10
5								2	1.2	.7	94	5
6								2	1.2	.7	13	2
7								1.5	1.2	.8	4	2
8								1.2	1.2	1.0	4	76
9								1.2	1.2	.8	3	44
10								1.2	1.3	.8	1	4.9
11								1.0	1.3	.7	1	2.4
12								1.0	1.3	.8	1	1.9
13								1.0	1.3	.5	61	1.6
14								1.0	1.5	.4	7.3	1.8
15								1.0	1.3	.7	1.2	1.6
16								1.0	1.3	.4	.9	1.3
17								1.0	1.7	.3	.9	1.4
18								1.2	1.7	.4	1.3	1.3
19								1.3	1.3	.8	1.0	1.1
20								1.3	1.2	1.0	.9	1.1
21								1.5	1.0	.5	.8	5.7
22								1.3	.9	.5	.8	409
23								1.3	.7	.3	2.6	15
24								1.5	.8	.3	324	150
25								1.5	.8	.3	178	37
26								1.7	.8	.6	17	10
27								2.0	.8	.4	4	5
28								1.7	.7	.4	1,260	2
29								1.7	.7	.4	756	2
30								1.3	.7	.8	159	1
31								1.2	-	.7	209	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	41.6	2	1	1.34	83
June	34.3	1.7	.7	1.14	68
July	19.0	1.0	.3	.61	38
August	3,420.7	1,260	.8	110	6,780
September	1,937.1	581	1	64.6	3,840
The period					10,810

Discharge measurements of streams in the Colorado River Basin at points other than regular gaging stations are listed in the following table:

Miscellaneous discharge measurements in Colorado River Basin during the year ending September 30, 1935.

Date	Stream	Tributary to-	Locality	Discharge
				Sec.-ft.
May 16	Mill Creek.....	Colorado River.	Lat. 38°34', long. 109°32', in NE¼ sec. 7, T. 26 S., R. 21 E., 150 feet below highway bridge and 1½ miles southeast of Moab, Utah (combined flow of Creek and ditch).	11.2
July 24	San Juan River..	....do.....	Dam site in NE¼ sec. 36, T. 37 N., R. 1 E., 14½ miles northeast of Pagosa Springs, Colo.	201
Aug. 12	....do.....	....do.....	....do.....	109
Sept. 12	....do.....	....do.....	....do.....	33.2
July 24	Sand Creek.....	San Juan River.	In sec. 4, T. 36 N., R. 1 E., at mouth, 12½ miles northeast of Pagosa Springs, Colo.	39.6
Aug. 12	....do.....	....do.....	....do.....	25.0
Sept. 12	....do.....	....do.....	....do.....	8.39
June 8	Coal Creek.....	....do.....	In SE¼ sec. 36, T. 36 N., R. 1 W., 6½ miles northeast of Pagosa Springs, Colo.	78.0
20	....do.....	....do.....	....do.....	63.2
July 24	....do.....	....do.....	....do.....	7.55
Aug. 13	....do.....	....do.....	....do.....	3.37
Sept. 12	....do.....	....do.....	....do.....	.40
June 6	Mill Creek.....	....do.....	In N½ sec. 7, T. 35 N., R. 1 E., 7 miles northeast of Pagosa Springs, Colo.	34.2
21	....do.....	....do.....	....do.....	32.4
July 25	....do.....	....do.....	....do.....	.50
Aug. 14	....do.....	....do.....	....do.....	1.03
Sept. 12	....do.....	....do.....	....do.....	*.10
May 24	White Creek.....	Rio Blanco.....	In SW¼ sec. 1, T. 34 N., R. 1 E., at mouth, 12½ miles southeast of Pagosa Springs, Colo.	57.4
June 5	....do.....	....do.....	....do.....	89.3
21	....do.....	....do.....	....do.....	38.1
July 26	....do.....	....do.....	....do.....	5.98
Aug. 14	....do.....	....do.....	....do.....	4.22
Sept. 13	....do.....	....do.....	....do.....	2.78
June 9	Big Branch.....	....do.....	In NW¼ sec. 28, T. 34 N., R. 1 E., below ditch diversion and inflow, 11½ miles southeast of Pagosa Springs, Colo.	4.77
22	....do.....	....do.....	....do.....	1.17
July 26	....do.....	....do.....	....do.....	.27
Aug. 15	....do.....	....do.....	....do.....	.69
June 5	Sheep Cabin Creek	Rito Blanco....	In E½ sec. 5, T. 34 N., R. 1 E., 9 miles southeast of Pagosa Springs, Colo.	3.23
21	....do.....	....do.....	....do.....	1.49
July 26	....do.....	....do.....	....do.....	.90
Aug. 14	....do.....	....do.....	....do.....	.76
Sept. 13	....do.....	....do.....	....do.....	.04
May 10	....do.....	....do.....	In S½ sec. 12, T. 34 N., R. 1 W., at mouth, 7½ miles southeast of Pagosa Springs, Colo.	5.44
23	....do.....	....do.....	....do.....	23.8
Feb. 26	Williams River	Colorado River.	About 1,000 feet above mouth, near Planet, Ariz.	77.5
Apr. 5	....do.....	....do.....	....do.....	24.6
20	....do.....	....do.....	....do.....	19.7
May 16	....do.....	....do.....	....do.....	11.4
June 5	....do.....	....do.....	....do.....	5.5
July 13	....do.....	....do.....	....do.....	2.6
3	Gila River.....	....do.....	Former gaging station on Gila River near Ashurst, Ariz.	.5
Aug. 17	....do.....	....do.....	....do.....	2.6
18	....do.....	....do.....	....do.....	2.5
23	....do.....	....do.....	....do.....	10
Sept. 18	....do.....	....do.....	....do.....	46.8
Jan. 17	....do.....	....do.....	Winkelman, Ariz., above San Pedro River....	13.7
28	....do.....	....do.....	....do.....	9.8
Feb. 14	....do.....	....do.....	....do.....	52.2
Aug. 31	San Pedro River.	Gila River.....	Highway bridge 1½ miles east of Benson, Ariz.	1,410
Sept. 3	....do.....	....do.....	....do.....	139
11	....do.....	....do.....	....do.....	27.9
Aug. 2	Aravaipa Creek..	San Pedro River	Highway crossing near mouth, near Feldman, Ariz.	25
3	....do.....	....do.....	....do.....	3
12	....do.....	....do.....	....do.....	1.5
Sept. 6	....do.....	....do.....	....do.....	2.1
Oct. 29	Mineral Creek...	Gila River.....	Mouth, at Kelvin, Ariz.....	.2
Nov. 8	....do.....	....do.....	....do.....	.05
30	....do.....	....do.....	....do.....	.05
Dec. 10	....do.....	....do.....	....do.....	.03
Jan. 17	....do.....	....do.....	....do.....	23.1
Feb. 14	....do.....	....do.....	....do.....	24.8
Mar. 17	....do.....	....do.....	....do.....	19.6
May 14	....do.....	....do.....	....do.....	3
Oct. 9	Animas Creek....	Closed basin...	In NE¼ sec. 33, T. 31 S., R. 20 W., at the box, 11½ miles northeast of Cloverdale, N. Mex.	4.89
Nov. 13	....do.....	....do.....	....do.....	1.57
Dec. 6	....do.....	....do.....	....do.....	.90
Jan. 10	....do.....	....do.....	....do.....	.60
Feb. 1	....do.....	....do.....	....do.....	.42

*Estimated.

Miscellaneous discharge measurements in Colorado River basin during the year ending September 30, 1935--Continued.

Date	Stream	Tributary to-	Locality	Discharge
				Sec.-ft.
Feb. 18	Animas Creek....	Closed basin..	In NE¼ sec. 33, T. 31 S., R. 20 W., at the box, 11½ miles northeast of Cloverdale, N. Mex.	1.91
Mar. 12	....do.....	....do.....	....do.....	2.16
22	....do.....	....do.....	....do.....	1.50
Apr. 28	....do.....	....do.....	....do.....	.28
June 7	....do.....	....do.....	....do.....	0
26	....do.....	....do.....	....do.....	0

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