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HAROLD L. ICKES, Secretary
GEOLOGICAL SURVEY
W. C. MENDENHALL, Director

Water-Supply Paper 809

SURFACE WATER SUPPLY *of the* UNITED STATES

1936

PART 9
COLORADO RIVER BASIN

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ILLUSTRATION

SCOPE OF WORK

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

In the execution of the work many State and private organizations have cooperated, either by furnishing data or by assisting in collecting data. Acknowledgments for cooperation of the first kind are made in connection with the description of each station affected; cooperation of the second kind is acknowledged on page 13.

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 erm is commonly used in connection with storage for irrigation.

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

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

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

EXPLANATION OF DATA

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

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

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

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

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

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

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

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

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

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

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

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

TYPICAL RIVER-MEASUREMENT STATIONS.

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

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

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

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

PUBLICATIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

(For basins included, see p. 9)

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

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

RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

The following table contains a list of gaging stations for the area covered by this report at which records of discharge were collected during the water year October 1935 to September 1936 by agencies other than the Geological Survey. The records for these stations are not contained in publications of the Geological Survey.

Records of discharge collected by agencies other than the Geological Survey

Stream	Location	Period	Collected by	Remarks
Colorado River..	2½ miles above Palisade, Colo.	*1934-36	U. S. Bureau of Reclamation.	(†)
Gunnison River..	East Portal, Colo..	*1912-35	U. S. Bureau of Reclamation and Uncompahgre Water Users' Association.	(**)

*Records for some earlier years published in water-supply papers of U. S. Geological Survey.

†Records not published because gage is read only once a day, and there is considerable diurnal fluctuation owing to operation of the Shoshone power plant near Glenwood Springs.

**Records not published as their accuracy is doubtful owing to variable control on account of diversion to Gunnison Tunnel below station.

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; 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. Humpherys; in Wyoming with the office of the State engineer, E. W. Burritt, succeeded by John D. Quinn.

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 and the United States Bureau of Reclamation; 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 and operation of gaging stations in the San Juan River Basin above Piedra River were allocated by the Public Works Administration from funds made available by the National Industrial Recovery Act, in connection with the Rio Grande joint investigation sponsored by the National Resources Committee.

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 for the station on 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. Nearest tributary, Grand Lake outlet, enters half a mile downstream.
Drainage area.- 101 square miles.
Records available.- July 1904 to September 1909, September 1910 to September 1918, May 1934 to September 1936.
Average discharge.- 15 years, 138 second-feet.
Extremes.- Maximum discharge during year, 666 second-feet June 1 (gage height, 4.50 feet); minimum mean daily discharge, 10 second-feet Dec. 5, 6.
1904-9, 1910-18, 1934-36: Maximum discharge, 1,840 second-feet June 15, 16, 1918 (gage height, 7.0 feet, former site and datum); minimum, 1.6 second-feet July 17, 1934 (gage height, 1.32 feet).
Remarks.- Records good except those for period of ice effect, Oct. 20 to Apr. 15, which were computed on basis of gage heights, temperature records, and six discharge measurements and are fair, and those for May 10-13, which were computed by comparison with Colorado River near Granby and are fair. Diversions for irrigation above station.

Rating table, water year 1935-36 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 2 to Sept. 30)

1.6	5.5	3.2	222
1.8	12.5	3.4	280
2.0	24	3.6	342
2.2	42	3.8	408
2.4	68	4.0	476
2.6	102	4.2	548
2.8	138	4.5	666
3.0	176		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	18	13	19	18	15	14	425	626	178	88	42
2	28	18	12	19	18	15	14	418	519	154	86	35
3	27	17	12	19	18	16	14	432	439	143	160	36
4	27	17	11	19	18	16	14	473	411	145	147	47
5	27	17	10	19	16	15	14	519	394	129	115	39
6	26	17	10	18	17	15	15	571	332	122	127	35
7	25	17	11	15	17	15	17	519	316	122	145	31
8	24	16	12	16	17	15	20	452	381	109	115	28
9	23	16	12	17	17	15	22	401	449	134	98	26
10	23	16	13	18	17	15	24	340	432	125	91	25
11	23	16	13	18	17	15	42	305	432	156	93	44
12	23	15	13	17	17	15	65	315	411	233	89	43
13	24	16	14	16	17	17	91	335	494	170	95	39
14	24	17	13	17	17	17	125	358	483	133	89	37
15	23	17	12	18	17	16	176	415	463	116	74	31
16	24	17	11	18	17	15	259	508	537	118	64	30
17	26	16	11	17	17	15	316	483	498	111	61	29
18	26	16	12	17	17	16	368	483	449	142	57	29
19	25	15	13	17	17	16	425	498	442	118	57	27
20	24	15	14	18	17	15	459	530	411	107	61	26
21	23	15	14	18	16	15	456	552	374	102	58	26
22	22	15	15	18	16	16	476	519	374	93	52	26
23	21	15	15	19	15	16	505	462	339	79	46	25
24	20	15	16	18	15	15	526	466	280	73	41	24
25	19	14	17	17	15	16	559	512	301	78	37	24
26	18	14	17	17	15	16	523	563	401	71	35	24
27	18	14	17	19	15	16	516	575	313	102	32	25
28	18	14	17	19	14	16	501	541	283	86	33	28
29	18	14	18	18	14	17	490	530	265	78	31	30
30	18	13	18	17	-	16	462	594	215	88	30	30
31	18	-	19	17	-	15	-	594	-	89	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	715	30	18	23.1	1,420
November	472	18	13	15.7	936
December	425	19	10	13.7	843
Calendar year 1935	29,216	882	-	80.0	57,960
January	549	19	15	17.7	1,090
February	478	18	14	16.5	948
March	483	17	15	15.6	958
April	7,508	559	14	250	14,890
May	14,688	594	305	474	29,130
June	12,084	626	215	403	23,970
July	3,704	233	71	119	7,350
August	2,339	160	30	75.5	4,640
September	941	47	24	31.4	1,870
Water year 1935-36	44,386	626	10	121	88,040

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 1⅛ miles above mouth of Willow Creek.

Drainage area.- 322 square miles.

Records available.- June 1908 to September 1911, May 1934 to September 1936.

Extremes.- Maximum discharge during year, 2,640 second-feet June 1 (gage height, 4.34 feet); minimum daily discharge, 20 second-feet Apr. 6.
1908-11, 1934-36: 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 periods of ice effect, Nov. 10-16, Nov. 23 to Apr. 17, which were computed on basis of five discharge measurements, weather records, and gage heights, and are fair. Diversions for irrigation above station.

Rating tables, water year 1935-36 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 15-19)

Oct. 1 to May 14		May 15 to Sept. 30	
0.8	18	1.0	40
1.0	48	1.5	170
1.5	194	2.0	400
2.0	438	2.5	690
2.5	734	3.0	1,100
3.0	1,150	3.5	1,620
3.5	1,710	4.0	2,200
4.0	2,380	4.3	2,590

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	90	66	42	38	33	35	45	691	2,540	798	444	135
2	86	68	42	38	33	37	42	666	2,140	690	416	129
3	81	68	40	38	32	42	34	715	1,680	630	516	129
4	79	70	40	38	32	40	30	978	1,520	576	612	142
5	79	68	40	38	31	38	27	1,300	1,520	494	540	132
6	79	70	42	39	31	38	20	1,580	1,350	522	516	123
7	75	68	42	37	30	40	25	1,240	1,200	516	504	114
8	72	64	42	33	30	41	40	926	1,470	488	433	105
9	70	66	41	33	30	42	45	747	1,900	499	380	95
10	68	64	41	34	31	42	50	672	1,860	552	340	95
11	68	62	42	34	32	42	55	654	1,830	711	330	114
12	68	60	42	34	32	43	70	774	1,760	1,260	330	117
13	68	58	43	35	32	44	100	1,020	1,960	1,010	330	108
14	66	58	41	35	32	44	130	1,250	1,980	746	310	102
15	66	60	40	35	32	44	270	1,590	1,920	636	281	95
16	66	56	39	35	32	45	320	1,950	1,960	576	248	89
17	66	64	39	34	32	45	400	1,890	1,880	540	235	84
18	66	52	40	34	32	45	582	1,810	1,750	582	227	82
19	64	54	40	34	32	45	697	1,820	1,760	540	223	77
20	66	58	41	32	31	46	754	1,900	1,620	482	227	75
21	66	56	41	34	31	46	808	1,970	1,470	450	223	73
22	64	54	41	34	31	47	868	1,900	1,380	416	202	71
23	58	49	41	35	31	47	909	1,730	1,320	380	182	71
24	62	48	41	35	32	47	978	1,770	1,160	355	163	66
25	66	50	42	35	33	48	1,060	1,940	1,220	350	149	64
26	75	52	42	35	33	48	978	2,190	1,360	335	135	62
27	72	53	42	35	34	48	969	2,290	1,190	345	129	60
28	66	53	41	35	34	49	884	2,250	1,100	395	129	64
29	68	50	40	34	35	50	838	2,090	1,110	460	123	68
30	72	48	39	34	-	48	760	2,290	960	450	117	71
31	70	-	38	33	-	46	-	2,470	-	444	123	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,182	90	58	70.4	4,330
November	1,767	70	48	58.9	3,500
December	1,267	43	38	40.9	2,510
Calendar year 1935	111,113	3,230	-	304	220,300
January	1,087	39	32	35.1	2,160
February	926	35	30	31.9	1,840
March	1,362	50	35	43.9	2,700
April	12,808	1,060	20	427	25,400
May	47,063	2,470	654	1,518	93,350
June	47,870	2,540	960	1,596	94,950
July	17,228	1,260	335	556	34,170
August	9,117	612	117	294	18,080
September	2,812	142	60	93.7	5,580
Water year 1935-36	145,489	2,540	20	398	288,600

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 1936 in reports of U. S. Geological Survey; July 1904 to September 1909, September 1910 to September 1924, October 1925 to September 1936 in reports of State engineer. Chain gage prior to Sept. 19, 1930, 1⅛ miles downstream from present site; records comparable.
Average discharge.- 29 years (1904-9, 1910-23, 1925-36), 749 second-feet.
Extremes.- Maximum discharge during year, 4,340 second-feet June 1 (gage height, 4.26 feet); minimum daily discharge, 91 second-feet Feb. 8, 9, 21.
1904-9, 1910-24, 1925-36: Maximum discharge, 10,300 second-feet June 15, 1921 (gage height, 8.7 feet, former site and datum); minimum occurred during period of no record in winter.
Remarks.- Records excellent except those for periods of ice effect, Nov. 10, 13-15, 17-19, 21, 25-28, Nov. 30 to Apr. 15, which were computed on basis of five discharge measurements, gage heights, and weather records and are fair. Diversions above station for irrigation.

Rating table, water year 1935-36 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 9, Nov. 11, 12, 16, 20, 22-24, 29)

0.2	70	2.5	1,740
.5	166	3.0	2,420
1.0	378	3.5	3,170
1.5	670	4.0	3,920
2.0	1,140	4.5	4,720

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	191	163	119	103	100	106	122	1,660	4,180	1,250	779	344
2	180	166	110	100	97	110	122	1,600	3,680	1,080	779	316
3	166	166	103	103	97	113	126	1,780	2,930	967	896	312
4	163	166	100	100	97	110	129	2,290	2,700	896	1,080	316
5	163	166	100	103	94	106	129	2,840	2,620	770	925	302
6	159	173	104	103	97	106	129	3,420	2,360	796	896	284
7	152	173	103	100	97	106	129	3,000	2,180	796	868	266
8	152	142	106	97	91	106	132	2,420	2,390	779	754	253
9	149	149	106	100	91	106	135	1,940	2,870	745	678	240
10	142	139	103	104	94	110	142	1,760	2,920	878	622	236
11	142	132	103	106	94	110	221	1,650	3,110	1,230	622	258
12	142	132	103	103	95	116	302	1,710	3,320	2,210	629	258
13	146	139	110	103	94	118	378	1,990	2,940	1,690	622	244
14	149	132	106	106	94	122	643	2,630	2,860	1,240	559	236
15	149	126	103	106	94	122	1,120	3,170	2,960	998	511	221
16	149	116	97	106	94	119	1,310	3,770	2,960	916	477	217
17	170	132	97	103	94	122	1,540	3,760	2,870	858	466	206
18	163	132	97	103	94	122	1,710	3,640	2,660	887	466	195
19	170	139	100	100	94	122	1,880	3,620	2,540	868	455	191
20	191	146	103	100	94	119	2,010	3,720	2,340	788	466	191
21	195	142	103	103	91	122	1,840	3,830	2,140	730	455	188
22	170	129	103	103	94	126	1,950	3,700	2,040	678	418	188
23	152	129	100	103	97	126	2,060	3,460	1,990	609	378	184
24	149	129	103	103	100	122	2,130	3,460	1,740	559	344	180
25	173	129	103	103	103	126	2,340	3,580	1,790	552	321	180
26	177	135	106	103	103	129	2,110	3,830	1,970	583	298	206
27	184	132	103	106	103	129	2,210	3,970	1,740	590	289	213
28	166	132	106	106	103	129	2,110	4,050	1,650	656	293	221
29	170	132	103	100	103	132	2,100	3,700	1,730	715	284	225
30	202	120	100	100	-	129	1,870	3,880	1,550	715	271	232
31	195	-	103	97	-	126	-	4,100	-	715	298	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,121	202	142	165	10,160
November	4,238	173	116	141	8,410
December	3,206	119	97	103	6,360
Calendar year 1935	203,170	5,370	76	557	403,000
January	3,176	106	97	102	6,300
February	2,793	103	91	96.3	5,540
March	3,667	132	106	118	7,270
April	33,129	2,340	122	1,104	65,710
May	93,950	4,100	1,600	3,031	186,300
June	75,730	4,180	1,550	2,524	150,200
July	27,744	2,210	552	895	55,030
August	17,199	1,080	271	555	34,110
September	7,103	344	180	237	14,090
Water year 1935-36	277,056	4,180	91	757	549,500

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 1936. May to July 1899 at point just above Roaring Fork.

Average discharge.- 37 years, 3,048 second-feet.

Extremes.- Maximum discharge during year, 16,900 second-feet June 1 (gage height, 9.49 feet); minimum daily discharge, 369 second-feet Dec. 19.
1900-1936: Maximum discharge, 30,100 second-feet June 14, 15, 1918 (gage height, 12.55 feet): minimum daily discharge, 286 second-feet 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,240	1,060	568	557	629	618	671	6,720	16,600	6,210	3,300	2,060
2	1,200	1,110	552	579	737	635	664	6,100	15,400	5,200	3,750	1,970
3	1,140	946	574	542	690	658	658	6,360	13,300	4,500	3,790	1,820
4	1,020	1,050	596	542	500	671	612	7,850	11,100	4,250	3,700	1,700
5	946	1,100	500	547	568	737	618	10,000	10,100	4,050	3,730	1,680
6	907	965	601	574	547	863	629	12,200	9,390	3,840	3,480	1,630
7	917	984	671	531	547	752	629	12,400	8,360	3,730	3,600	1,540
8	907	995	723	542	505	760	552	11,200	8,750	3,610	3,430	1,470
9	888	1,000	684	536	465	760	595	9,390	9,980	3,560	3,170	1,380
10	846	965	658	536	658	898	710	7,090	10,800	3,490	3,080	1,380
11	846	907	635	542	552	782	880	6,480	11,000	3,920	2,900	1,370
12	846	974	664	690	547	782	946	6,780	10,900	5,000	2,900	1,370
13	812	838	671	629	618	767	1,270	8,080	10,900	6,510	3,080	1,490
14	812	767	690	568	658	782	2,040	9,650	11,100	5,330	3,140	1,450
15	697	880	606	635	767	730	2,630	11,600	10,800	4,310	2,840	1,390
16	926	926	526	690	531	641	3,370	14,000	10,600	3,920	2,600	1,370
17	846	880	432	557	460	821	4,010	15,400	10,500	3,680	2,510	1,140
18	854	829	386	584	568	697	4,700	15,700	9,850	3,650	2,520	1,180
19	797	774	369	422	568	629	5,100	15,300	9,450	3,750	2,450	1,300
20	797	965	455	505	568	697	5,510	15,700	8,910	3,790	2,440	1,210
21	789	846	395	629	568	745	6,070	16,100	8,300	3,480	2,620	1,050
22	854	697	445	618	568	723	5,980	15,800	7,850	3,280	2,630	1,050
23	946	737	460	629	737	717	6,780	15,100	7,850	2,990	2,440	1,050
24	821	782	485	641	697	704	6,990	14,600	7,530	2,820	2,180	974
25	871	717	495	658	658	658	7,280	14,600	6,990	2,720	2,020	871
26	880	804	658	629	595	690	7,880	15,300	7,060	2,870	1,880	838
27	917	767	516	652	584	595	7,850	15,900	7,280	2,700	1,710	1,130
28	1,120	812	536	612	623	595	7,720	15,800	6,750	2,780	1,570	854
29	946	804	526	629	612	629	7,530	15,700	6,510	3,100	1,640	898
30	1,020	730	563	505	-	737	7,400	15,800	6,780	3,050	1,600	1,120
31	926	-	568	460	-	774	-	16,400	-	3,120	1,610	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	28,334	1,240	697	914	56,200
November	26,611	1,110	697	887	52,780
December	17,208	723	369	555	34,130
Calendar year 1935	836,917	20,500	286	2,293	1,660,000
January	17,970	690	422	580	35,640
February	17,325	767	460	597	34,360
March	22,247	898	595	718	44,130
April	108,274	7,880	552	3,609	214,800
May	379,100	16,400	6,100	12,230	751,900
June	290,690	16,600	6,510	9,690	576,600
July	119,210	6,210	2,700	3,845	236,400
August	84,310	3,790	1,570	2,720	167,200
September	39,735	2,060	838	1,324	78,810
Water year 1935-36	1,151,014	16,600	369	3,145	2,283,000

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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 1936.

Extremes.- Maximum discharge during year, 26,500 second-feet June 1 (gage height, 9.72 feet); minimum daily discharge, 847 second-feet Apr. 9.
1933-36: Maximum discharge, 36,000 second-feet June 16, 1935 (gage height, 10.91 feet); minimum daily discharge, 738 second-feet Feb. 28, 1935.

Remarks.- Records good. Discharge for period of ice effect, Dec. 16 to Feb. 19, and for period Sept. 22-30, computed on basis of combined flow of Colorado River and Roaring Fork at Glenwood Springs. Numerous diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,290	1,690	1,320	1,190	970	1,160	1,380	10,800	26,000	9,760	4,560	2,820
2	2,220	1,730	1,130	1,180	1,270	1,170	1,110	9,670	24,500	8,580	5,000	2,850
3	2,140	1,870	1,130	1,180	1,360	1,150	1,100	9,550	21,200	7,550	5,570	2,780
4	2,060	1,770	1,140	1,190	1,280	1,160	1,070	11,700	17,700	6,800	5,530	2,600
5	1,920	1,770	1,170	1,160	1,010	1,240	1,070	15,500	15,400	6,500	5,380	2,500
6	1,900	1,750	1,150	1,210	1,120	1,270	936	18,600	13,900	6,220	5,250	2,410
7	1,860	1,680	1,360	1,220	1,130	1,440	900	19,200	12,500	5,740	5,250	2,340
8	1,860	1,740	1,330	1,120	1,180	1,260	918	16,500	13,400	5,530	5,110	2,250
9	1,860	1,730	1,360	1,160	1,030	1,260	847	13,200	16,200	5,340	4,690	2,140
10	1,830	1,730	1,320	1,150	1,010	1,300	856	11,000	18,000	5,250	4,320	2,060
11	1,780	1,700	1,240	1,210	1,280	1,440	1,130	10,000	18,700	5,500	4,110	2,060
12	1,770	1,630	1,300	1,180	1,190	1,370	1,520	10,300	18,700	6,520	4,020	2,170
13	1,740	1,620	1,280	1,330	1,160	1,270	1,770	12,200	18,800	8,190	3,960	2,180
14	1,720	1,580	1,320	1,220	1,220	1,270	2,500	14,800	18,900	7,980	4,170	2,270
15	1,620	1,500	1,320	1,180	1,290	1,340	3,500	17,600	18,700	6,600	3,940	2,170
16	1,430	1,550	1,190	1,270	1,400	1,270	4,580	21,100	18,200	5,860	3,530	2,080
17	1,670	1,520	1,060	1,310	1,150	1,150	5,910	23,700	17,800	5,530	3,290	2,010
18	1,610	1,510	940	1,160	1,050	1,310	7,120	24,100	16,900	5,380	3,340	1,900
19	1,600	1,520	910	1,130	1,180	1,310	7,930	23,800	16,200	5,360	3,210	1,910
20	1,560	1,440	940	890	1,240	1,150	8,290	24,300	15,300	5,430	3,170	1,880
21	1,610	1,560	1,090	1,120	1,220	1,180	9,210	24,900	14,200	5,180	3,700	1,860
22	1,550	1,430	1,050	1,310	1,120	1,260	9,640	25,000	13,200	4,710	3,770	1,710
23	1,610	1,320	1,110	1,250	1,310	1,270	10,400	24,400	12,800	4,320	3,390	1,690
24	1,620	1,380	1,150	1,280	1,510	1,260	11,400	23,600	12,300	3,910	3,100	1,680
25	1,640	1,430	1,210	1,300	1,300	1,250	11,300	23,400	11,400	3,680	2,840	1,570
26	1,640	1,340	1,220	1,310	1,160	1,120	11,900	24,300	11,100	3,770	2,630	1,480
27	1,670	1,390	1,380	1,250	1,080	1,170	12,300	25,100	11,600	3,580	2,520	1,420
28	1,680	1,380	1,230	1,240	1,090	1,080	12,100	25,100	10,900	3,650	2,280	1,780
29	1,790	1,400	1,260	1,220	1,140	1,130	11,800	24,800	10,400	3,840	2,250	1,500
30	1,680	1,380	1,170	1,230	-	1,090	11,600	25,000	10,300	4,360	2,250	1,550
31	1,740	-	1,180	1,010	-	1,080	-	25,500	-	4,580	2,240	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	54,670	2,290	1,430	1,764	108,400
November	47,040	1,870	1,320	1,568	93,300
December	36,960	1,380	910	1,192	73,310
Calendar year 1935	1,485,207	34,900	738	4,069	2,946,000
January	37,160	1,330	890	1,199	73,710
February	34,450	1,510	1,010	1,188	68,330
March	36,180	1,440	1,080	1,232	75,730
April	166,087	12,300	847	5,536	329,400
May	588,720	25,500	9,550	10,990	1,168,000
June	475,200	26,000	10,300	15,840	942,500
July	175,200	9,760	3,580	5,652	347,500
August	118,370	5,570	2,240	3,818	234,800
September	61,620	2,850	1,420	2,054	122,200
Water year 1935-36	1,833,657	26,000	847	5,010	3,637,000

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 1936. October 1913 to November 1914 at Moab, 30 miles downstream; flow about same at both places.

Average discharge.- 18 years, 8,544 second-feet.

Extremes.- Maximum discharge during year, 39,200 second-feet May 7 (gage height, 12.6 feet); minimum, 1,540 second-feet Dec. 22 (gage height, 1.42 feet).
1914-17, 1922-36: Maximum discharge, 76,800 second-feet June 19, 1917 (gage height, 19.7 feet); minimum observed, 558 second-feet July 21, 1934 (gage height, 0.44 foot).

Remarks.- Records excellent except those for period of ice effect, Jan. 2 to Feb. 11, which were computed on basis of two discharge measurements, gage heights, weather records, and records for Green River at Green River, Utah, and are fair. Diversions for irrigation and power above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,470	3,120	2,760	2,420	2,800	2,350	2,590	23,700	35,200	12,200	4,780	3,870
2	4,270	3,210	2,590	2,400	3,050	2,340	2,760	21,300	35,700	11,600	5,320	4,580
3	4,070	3,120	2,400	2,300	2,800	2,400	2,590	20,100	32,200	9,660	5,760	4,660
4	3,870	3,300	2,280	2,300	2,600	2,420	2,400	23,700	27,100	8,500	6,100	4,170
5	3,680	3,300	2,370	2,300	2,650	2,500	2,250	29,200	22,500	7,690	6,220	3,870
6	3,490	3,210	2,500	2,300	2,700	2,500	2,250	33,900	19,700	6,930	7,430	3,580
7	3,300	3,210	2,590	2,300	2,600	2,590	2,350	38,300	17,700	6,450	7,950	3,400
8	3,120	3,210	2,850	2,100	2,500	2,590	2,920	32,600	16,600	5,990	7,950	3,300
9	3,030	3,300	2,760	2,200	2,400	2,590	2,090	26,200	18,900	5,650	7,180	3,030
10	2,940	3,300	2,760	2,300	2,350	2,590	2,140	21,700	22,500	5,880	6,690	2,760
11	2,850	3,300	2,680	2,350	2,600	2,760	3,400	18,500	24,600	9,070	5,990	2,940
12	2,760	3,300	2,500	2,500	2,680	2,940	4,580	18,100	25,400	7,430	5,650	2,940
13	2,680	3,210	2,500	2,300	2,760	2,850	6,450	20,500	24,600	7,950	5,210	2,650
14	2,680	3,120	2,680	2,400	2,940	2,760	7,950	24,600	25,000	9,360	5,100	2,850
15	2,590	3,120	2,590	2,550	2,940	2,850	10,270	27,500	24,600	8,500	5,430	2,850
16	2,590	3,030	2,500	2,400	2,940	2,940	12,200	31,300	23,700	6,930	4,890	2,680
17	2,590	3,120	2,060	2,300	2,940	2,940	15,100	35,700	23,300	6,450	4,270	2,590
18	2,590	3,030	1,900	2,100	2,680	2,760	18,100	38,300	22,500	6,340	3,870	2,500
19	2,590	3,030	1,900	2,000	2,420	2,850	19,700	37,900	20,900	6,100	3,870	2,250
20	2,760	3,030	1,820	2,350	2,420	2,850	20,100	36,600	20,100	6,220	3,780	2,500
21	2,760	2,940	1,820	2,350	2,420	2,760	20,900	37,000	18,500	6,100	3,870	2,590
22	2,760	2,940	1,770	2,000	2,590	2,760	23,300	37,900	16,900	5,650	4,890	2,270
23	2,760	2,760	1,960	2,000	2,760	2,940	25,000	36,100	16,200	4,890	4,780	2,040
24	2,850	2,760	1,990	2,100	2,940	3,210	27,500	35,200	15,600	4,070	4,270	1,960
25	2,850	2,760	1,980	2,200	3,030	3,120	27,100	33,500	15,100	3,780	3,680	1,870
26	2,940	2,760	2,010	2,300	2,760	2,940	26,200	34,400	14,000	3,780	3,210	1,810
27	2,940	2,850	2,280	2,400	2,500	2,760	26,700	35,200	14,000	3,780	2,680	1,700
28	2,940	2,850	2,230	2,400	2,390	2,760	27,100	35,700	14,000	3,580	2,500	1,840
29	2,940	2,850	2,420	2,400	2,350	2,500	25,400	34,800	13,300	3,680	2,350	2,170
30	3,120	2,760	2,250	2,600	-	2,500	24,600	33,000	12,900	4,270	2,370	2,090
31	2,940	-	2,420	2,800	-	2,400	-	34,800	-	4,780	2,850	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	94,720	4,470	2,590	3,055	187,900
November	91,800	3,300	2,760	3,060	182,100
December	72,120	2,850	1,770	2,326	143,000
Calendar year 1935	2,460,620	53,200	1,540	6,741	4,881,000
January	71,720	2,800	2,000	2,314	142,300
February	77,510	3,050	2,350	2,673	153,700
March	84,020	3,210	2,340	2,710	166,700
April	395,290	27,500	2,090	13,180	784,000
May	947,300	38,300	18,100	30,560	1,879,000
June	633,500	35,700	12,900	21,120	1,257,000
July	203,260	12,200	3,580	6,557	403,200
August	150,890	7,950	2,350	4,867	299,300
September	84,530	4,680	1,700	2,818	167,700
Water year 1935-36	2,906,660	38,300	1,700	7,942	5,765,000

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 1936.

Average discharge.- 14 years (1922-36), 17,300 second-feet.

Extremes.- Maximum discharge during year, 76,300 second-feet May 23; minimum, 2,860 second-feet Dec. 25 (gage height, 5.87 feet).
1921-36: 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 interpolated Dec. 12, 13. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,600	4,860	5,480	3,410	5,110	6,360	6,490	50,800	63,000	24,900	9,310	14,200
2	8,820	4,860	5,500	3,670	5,050	5,860	6,740	51,200	66,500	23,500	8,900	18,400
3	8,420	5,000	5,480	3,890	5,220	5,480	6,870	47,900	67,900	22,600	9,080	16,500
4	7,780	5,050	5,360	3,780	5,250	5,330	7,300	45,800	67,500	21,500	11,300	15,200
5	7,230	5,110	6,360	3,960	5,390	6,580	6,710	44,800	62,800	19,900	13,700	14,400
6	6,810	5,130	5,770	4,080	5,000	8,060	6,870	48,300	57,000	18,100	20,200	12,900
7	6,520	5,330	5,110	4,010	4,620	8,310	7,040	55,300	52,300	17,000	25,800	12,800
8	6,290	5,360	4,700	3,920	4,780	8,420	6,550	63,400	48,000	15,900	23,100	10,900
9	5,980	5,390	4,620	3,620	4,920	7,820	6,290	66,700	45,700	14,800	27,200	10,000
10	5,680	5,420	4,620	3,980	4,730	7,510	6,260	60,400	42,500	14,000	25,100	9,470
11	5,450	5,420	4,520	4,220	4,320	7,610	6,580	54,200	45,400	14,000	21,700	8,710
12	5,270	5,360	4,580	4,200	4,220	7,920	8,240	48,800	47,400	23,800	19,100	7,920
13	5,080	5,500	4,640	4,080	4,470	8,280	8,000	43,900	47,600	32,100	17,200	8,200
14	4,860	5,710	4,700	4,050	4,550	8,140	8,900	41,700	46,900	23,900	15,200	7,920
15	4,700	5,680	4,570	4,170	4,750	7,820	11,000	43,000	46,200	18,100	13,500	7,780
16	4,700	5,650	4,370	4,370	5,020	8,170	14,300	47,400	45,000	16,700	12,600	7,440
17	4,620	5,500	4,220	4,650	5,740	8,490	17,800	53,700	44,000	16,400	12,600	7,340
18	4,440	5,330	4,300	4,860	6,140	8,420	21,800	60,200	42,200	14,800	12,000	7,580
19	4,520	5,390	4,400	4,890	6,330	8,350	23,800	64,100	41,600	13,500	11,900	7,300
20	4,440	5,270	4,250	4,660	6,170	7,920	29,800	68,800	39,700	13,600	11,500	6,520
21	4,520	5,330	3,780	4,570	6,200	7,780	34,200	71,300	38,100	14,800	10,600	6,360
22	4,270	5,450	3,120	4,470	6,330	7,540	36,000	71,300	37,100	14,200	10,800	6,610
23	5,050	5,390	2,920	4,400	5,890	7,680	39,100	74,600	35,400	13,900	14,500	6,390
24	5,160	5,450	2,940	4,270	6,200	7,640	41,500	72,800	33,300	13,000	12,700	6,840
25	5,110	5,560	2,940	4,170	6,550	7,540	45,600	68,600	31,900	12,000	11,200	7,370
26	4,780	5,530	2,980	4,080	5,890	7,610	49,900	67,000	31,000	10,900	10,700	6,580
27	4,650	5,530	3,040	4,170	6,040	7,130	50,400	65,200	29,500	10,100	9,660	6,140
28	4,730	5,360	3,290	4,400	6,900	6,810	51,400	64,600	27,900	9,970	8,930	5,420
29	4,650	5,330	3,500	4,520	6,810	7,000	51,100	65,300	26,500	10,400	7,750	4,890
30	4,730	5,390	3,780	4,780	-	6,770	51,200	65,200	25,400	8,640	7,200	4,780
31	4,920	-	3,480	4,940	-	6,390	-	64,200	-	8,750	10,700	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	174,780	10,600	4,270	5,638	346,700
November	160,640	5,710	4,860	5,355	318,600
December	133,320	6,360	2,920	4,301	264,400
Calendar year 1935	5,175,920	103,800	2,490	14,180	10,266,000
January	131,260	4,940	3,410	4,234	260,400
February	158,590	6,900	4,220	5,469	314,600
March	230,740	8,490	5,330	7,443	457,700
April	667,740	51,400	6,260	22,260	1,324,400
May	1,810,500	74,600	41,700	58,400	3,591,100
June	1,335,300	67,900	25,400	44,510	2,648,500
July	505,760	32,100	8,640	16,310	1,003,200
August	435,730	27,200	7,200	14,060	864,300
September	272,860	18,400	4,780	9,095	541,200
Water year 1935-36	6,017,220	74,600	2,920	16,440	11,935,000

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

Location.- Water-stage recorder, 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 1936.

Average discharge.- 14 years, 17,910 second-feet.

Extremes.- Maximum discharge during year, 76,300 second-feet May 24 (gage height, 22.64 feet); minimum, 3,080 second-feet Dec. 26 (gage height, 1.58 feet).
1922-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15,800	5,190	5,750	3,750	5,390	7,370	6,740	51,200	63,100	25,600	9,800	13,800
2	10,500	5,230	5,790	3,820	5,560	6,740	7,000	51,100	64,900	24,100	9,390	22,400
3	9,250	5,080	5,820	4,100	5,440	6,340	7,670	49,900	68,200	23,100	9,450	21,500
4	8,800	5,250	5,820	4,310	5,650	5,970	7,840	47,100	69,400	22,400	11,200	18,300
5	8,020	5,260	5,760	4,160	5,580	6,020	7,920	44,400	66,400	21,200	15,300	16,400
6	7,490	5,260	6,370	4,220	5,610	7,340	7,310	45,900	60,300	19,300	19,700	14,900
7	7,240	5,360	6,230	4,280	5,160	8,770	7,640	50,700	54,400	17,900	29,700	13,900
8	6,830	5,570	5,480	4,220	4,910	9,010	7,820	58,700	50,000	16,600	24,700	12,600
9	6,550	5,680	5,040	4,180	5,190	8,790	7,180	66,400	46,800	15,700	27,200	10,800
10	6,300	5,680	4,970	3,900	5,350	8,560	6,810	64,400	44,300	14,400	27,200	10,200
11	6,020	5,710	4,970	4,310	5,050	8,270	6,720	58,600	44,200	15,500	23,200	9,440
12	5,820	5,650	4,910	4,580	4,650	8,480	7,340	52,700	47,200	15,900	21,000	8,830
13	5,600	5,560	4,960	4,820	4,540	8,740	9,810	46,200	48,300	29,800	18,600	9,520
14	5,380	5,790	5,010	4,410	4,910	9,140	10,200	42,300	47,900	29,200	16,900	9,750
15	5,140	5,960	5,060	4,400	4,970	8,980	11,500	40,500	47,100	20,500	15,200	8,980
16	5,010	6,020	4,970	4,610	5,190	8,750	14,300	44,000	45,900	17,800	13,300	8,600
17	4,950	5,970	4,790	4,730	5,450	9,010	17,600	49,100	44,800	16,900	12,800	8,080
18	4,820	5,830	4,600	5,040	6,160	9,250	21,600	55,200	43,600	16,300	12,800	7,900
19	4,660	5,690	4,620	5,250	6,510	9,330	23,700	62,600	42,000	14,700	12,200	7,870
20	4,670	5,610	4,670	5,260	6,530	9,270	27,600	67,700	40,900	13,700	12,400	7,590
21	4,650	5,540	4,600	5,100	6,390	8,800	32,700	71,800	39,400	14,300	11,900	7,410
22	4,730	5,610	4,230	5,040	6,480	8,630	35,400	70,600	38,100	15,200	11,100	9,490
23	4,570	5,790	3,630	4,870	6,560	8,420	36,800	74,600	36,800	14,300	13,300	8,220
24	5,440	5,760	3,350	4,780	6,300	8,470	39,400	75,100	34,800	14,100	14,900	8,080
25	5,560	5,920	3,280	4,560	6,630	8,470	43,100	70,600	32,800	12,900	12,300	8,100
26	5,430	5,930	3,140	4,450	6,730	8,430	47,700	67,900	31,300	12,100	11,000	7,870
27	5,100	5,900	3,170	4,390	6,970	8,500	49,600	66,100	30,100	11,800	10,500	6,880
28	4,960	5,920	3,330	4,410	6,510	7,850	49,900	65,600	28,700	10,800	9,720	6,350
29	5,050	5,710	3,560	4,670	7,780	7,490	51,100	65,600	27,100	11,400	9,010	5,660
30	5,000	5,650	3,760	4,930	-	7,660	51,700	65,400	26,300	10,600	9,300	5,280
31	5,040	-	4,000	5,210	-	7,220	-	64,600	-	8,810	10,800	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	194,380	15,800	4,570	6,270	385,500
November	169,080	6,020	5,080	5,636	335,400
December	146,140	6,870	3,140	4,714	289,900
Calendar year 1935	5,352,090	103,100	2,940	14,660	10,616,000
January	140,480	5,260	3,750	4,532	278,600
February	167,250	7,780	4,540	5,767	331,700
March	254,010	9,330	5,970	8,194	503,800
April	661,700	51,700	6,720	22,060	1,312,500
May	1,806,600	75,100	40,500	58,280	3,583,300
June	1,365,100	69,400	26,300	45,500	2,707,600
July	526,910	29,800	8,810	17,000	1,045,100
August	465,870	29,700	9,010	15,030	924,000
September	314,700	22,400	5,280	10,490	624,200
Water year 1935-36	6,212,220	75,100	3,140	16,970	12,322,000

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 1935 to September 1936.
Extremes.- Maximum contents during year, 9,641,000 acre-feet Sept. 10 (elevation of water surface, 1,025.8 feet); minimum, 3,690,000 acre-feet Apr. 14 (elevation, 905.2 feet).
1935-36: Maximum contents, that of Sept. 10, 1936; no storage prior to 8:40 a.m. Feb. 1, 1935.
Remarks.- Storage capacity, 29,406,000 acre-feet at spillway elevation of 1,221.4 feet, at top of automatic gates. Unavailable storage, 3,325,000 acre-feet below elevation of 895.0 feet, at gate sills in outlet towers. Records of daily elevation and contents furnished by U. S. Bureau of Reclamation.

Elevation, in feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	920.8	914.6	908.4	908.4	907.9	908.4	906.8	924.2	984.2	1,015.9	1,020.4	1,024.4
2	921.1	914.4	908.4	908.3	907.9	908.4	906.7	926.3	985.9	1,016.2	1,020.4	1,024.4
3	921.4	914.0	908.4	908.2	908.0	908.5	906.6	928.3	987.6	1,016.6	1,020.4	1,024.6
4	921.3	913.8	908.4	908.2	908.0	908.5	906.4	930.2	989.4	1,016.9	1,020.4	1,024.9
5	921.2	913.6	908.6	908.2	908.0	908.4	906.2	931.8	991.1	1,017.2	1,020.4	1,025.2
6	921.2	913.3	908.6	908.2	908.1	908.4	906.2	933.4	993.2	1,017.5	1,020.4	1,025.6
7	921.0	913.1	908.7	908.1	908.2	908.3	906.1	934.9	994.7	1,017.7	1,020.5	1,025.6
8	920.8	912.8	908.8	908.0	908.2	908.2	906.0	936.5	996.3	1,017.9	1,020.8	1,025.8
9	920.8	912.6	908.8	908.0	908.2	908.2	905.8	938.5	997.6	1,018.0	1,021.4	1,025.8
10	920.6	912.3	908.9	908.0	908.2	908.1	905.8	940.8	998.7	1,018.1	1,021.8	1,025.8
11	920.4	912.0	908.9	908.0	908.2	908.1	905.6	943.2	999.9	1,018.2	1,022.4	1,025.8
12	920.2	911.9	909.0	908.0	908.2	908.0	905.5	945.5	1,000.8	1,018.3	1,022.8	1,025.8
13	919.9	911.7	908.9	907.9	908.1	907.9	905.3	947.4	1,001.8	1,018.4	1,023.3	1,025.7
14	919.7	911.5	908.9	907.9	908.1	907.8	905.2	949.0	1,003.0	1,018.6	1,023.6	1,025.6
15	919.4	911.2	908.9	907.9	908.0	907.8	905.2	950.4	1,004.1	1,019.2	1,023.8	1,025.6
16	919.2	911.0	908.9	907.8	908.0	907.8	905.3	951.7	1,005.0	1,019.6	1,024.0	1,025.6
17	918.9	910.8	908.9	907.9	908.0	907.7	905.4	953.1	1,006.2	1,019.8	1,024.0	1,025.5
18	918.6	910.6	908.9	907.8	907.9	907.6	905.6	954.6	1,007.3	1,019.9	1,024.1	1,025.4
19	918.3	910.4	909.0	907.8	907.8	907.6	906.1	956.1	1,008.1	1,020.0	1,024.2	1,025.4
20	918.0	910.2	908.9	907.8	907.8	907.6	906.8	958.0	1,008.9	1,020.2	1,024.2	1,025.3
21	917.7	910.0	908.9	907.8	908.0	907.6	907.6	960.2	1,009.7	1,020.2	1,024.2	1,025.2
22	917.4	909.8	908.9	907.9	908.0	907.6	908.7	962.6	1,010.6	1,020.2	1,024.3	1,025.2
23	917.1	909.6	908.9	907.9	908.0	907.6	910.0	965.0	1,011.6	1,020.2	1,024.3	1,025.1
24	916.8	909.4	908.8	908.0	908.1	907.5	911.5	967.4	1,012.3	1,020.3	1,024.3	1,025.0
25	916.5	909.2	908.8	908.0	908.2	907.4	913.0	969.8	1,013.0	1,020.3	1,024.3	1,025.0
26	916.2	909.0	908.8	908.0	908.2	907.3	914.7	972.1	1,013.6	1,020.4	1,024.3	1,024.9
27	916.0	908.9	908.7	908.0	908.3	907.2	916.4	974.4	1,014.1	1,020.4	1,024.4	1,024.8
28	915.8	908.7	908.6	908.0	908.4	907.2	918.4	976.4	1,014.6	1,020.4	1,024.5	1,024.8
29	915.5	908.5	908.5	908.0	908.4	907.2	920.3	978.4	1,015.1	1,020.4	1,024.5	1,024.6
30	915.2	908.3	908.4	908.0	-	907.0	922.2	980.4	1,015.5	1,020.4	1,024.5	1,024.6
31	914.9	-	908.4	907.9	-	906.9	-	982.4	-	1,020.4	1,024.4	-

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4,270	4,055	3,807	3,807	3,790	3,808	3,750	4,423	7,169	9,003	9,288	9,546
2	4,280	4,040	3,809	3,805	3,790	3,808	3,746	4,505	7,263	9,024	9,288	9,549
3	4,280	4,030	3,811	3,803	3,792	3,812	3,742	4,586	7,354	9,046	9,288	9,556
4	4,280	4,013	3,811	3,801	3,794	3,812	3,735	4,663	7,453	9,066	9,284	9,581
5	4,280	4,003	3,814	3,799	3,796	3,810	3,729	4,729	7,546	9,085	9,284	9,598
6	4,280	3,994	3,816	3,799	3,797	3,808	3,726	4,792	7,659	9,103	9,284	9,621
7	4,270	3,987	3,820	3,797	3,799	3,805	3,724	4,857	7,746	9,116	9,294	9,625
8	4,270	3,975	3,822	3,796	3,799	3,801	3,720	4,923	7,836	9,128	9,313	9,635
9	4,270	3,968	3,825	3,796	3,799	3,799	3,714	5,007	7,910	9,138	9,348	9,639
10	4,260	3,956	3,827	3,796	3,801	3,797	3,713	5,104	7,972	9,141	9,380	9,641
11	4,250	3,948	3,827	3,794	3,801	3,797	3,707	5,209	8,042	9,144	9,413	9,638
12	4,250	3,941	3,829	3,792	3,801	3,794	3,701	5,307	8,094	9,154	9,432	9,635
13	4,240	3,934	3,827	3,790	3,797	3,790	3,694	5,390	8,152	9,163	9,475	9,631
14	4,230	3,926	3,827	3,790	3,797	3,786	3,690	5,460	8,222	9,173	9,494	9,625
15	4,230	3,916	3,827	3,790	3,794	3,786	3,692	5,524	8,287	9,211	9,507	9,625
16	4,220	3,907	3,827	3,788	3,792	3,785	3,694	5,580	8,340	9,233	9,517	9,621
17	4,220	3,899	3,827	3,790	3,792	3,783	3,698	5,643	8,411	9,241	9,523	9,618
18	4,210	3,892	3,827	3,788	3,790	3,779	3,705	5,709	8,477	9,256	9,526	9,615
19	4,210	3,886	3,829	3,788	3,788	3,779	3,724	5,780	8,524	9,262	9,530	9,608
20	4,200	3,877	3,827	3,788	3,788	3,779	3,752	5,867	8,573	9,272	9,536	9,605
21	4,190	3,869	3,827	3,788	3,792	3,779	3,781	5,969	8,616	9,275	9,536	9,601
22	4,160	3,861	3,827	3,790	3,794	3,777	3,820	6,083	8,676	9,275	9,540	9,598
23	4,150	3,854	3,827	3,790	3,794	3,777	3,869	6,197	8,737	9,278	9,540	9,591
24	4,140	3,844	3,825	3,792	3,797	3,775	3,926	6,314	8,780	9,281	9,540	9,588
25	4,130	3,838	3,824	3,792	3,799	3,770	3,983	6,431	8,823	9,281	9,540	9,582
26	4,120	3,833	3,822	3,792	3,799	3,768	4,057	6,546	8,860	9,284	9,540	9,579
27	4,110	3,827	3,820	3,792	3,805	3,764	4,116	6,666	8,891	9,288	9,546	9,575
28	4,100	3,820	3,816	3,792	3,807	3,764	4,192	6,786	8,922	9,291	9,552	9,569
29	4,090	3,812	3,812	3,792	3,807	3,762	4,266	6,867	8,953	9,288	9,552	9,562
30	4,075	3,805	3,811	3,792	-	3,759	4,343	6,971	8,978	9,291	9,552	9,559
31	4,065	-	3,809	3,790	-	3,753	-	7,076	-	9,291	9,549	-

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 1936.

Extremes.- Maximum discharge during year, 11,800 second-feet July 9; minimum, 235 second-feet May 30; minimum daily discharge, 4,750 second-feet Jan. 25.
1935-36: Maximum discharge, 19,400 second-feet June 23, 1935; minimum, 33 second-feet Feb. 11, 1935; minimum daily discharge, 152 second-feet Feb. 10, 1935.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9,940	9,880	4,950	4,810	4,840	6,370	9,740	9,460	9,880	11,400	11,000	9,580
2	9,860	9,760	4,950	4,870	4,890	6,380	9,780	9,220	9,860	11,500	11,100	9,600
3	10,000	9,680	4,920	4,860	4,810	6,620	9,560	10,100	9,700	11,600	10,900	9,580
4	9,960	9,800	4,910	4,790	4,810	6,910	9,760	10,300	9,900	11,500	10,600	9,640
5	9,980	9,740	4,890	4,920	4,810	7,320	9,700	10,200	10,000	11,500	10,600	9,780
6	9,740	9,680	4,910	4,940	4,760	7,830	9,560	10,300	9,840	11,300	10,500	9,620
7	9,720	9,740	4,920	4,860	4,870	8,770	9,900	10,000	9,420	11,400	10,400	9,540
8	9,880	9,840	4,940	4,860	4,790	8,810	9,740	9,980	9,440	11,500	10,600	10,000
9	9,800	9,620	4,950	4,810	4,890	9,190	9,600	10,100	9,500	11,500	10,500	9,520
10	9,680	9,620	4,870	4,860	4,870	9,580	9,720	10,100	9,190	11,500	10,200	9,640
11	9,900	9,700	4,870	4,840	5,120	9,520	9,660	9,890	9,130	11,400	9,880	9,920
12	10,000	9,640	4,860	4,830	6,180	9,700	9,480	8,840	8,780	11,400	9,760	9,600
13	9,720	9,680	4,890	4,910	6,060	9,760	9,700	9,150	8,840	11,400	9,760	9,660
14	9,860	9,740	4,920	4,830	6,110	9,740	9,740	9,580	9,660	11,400	9,740	9,700
15	9,760	9,740	4,920	4,890	6,040	9,680	9,680	9,310	9,760	11,500	9,680	10,000
16	9,840	9,660	4,940	4,760	6,500	9,640	9,740	8,620	9,780	11,300	9,640	9,640
17	9,820	9,720	4,810	4,860	6,500	9,680	9,760	8,670	9,960	11,500	9,640	9,620
18	9,840	9,800	4,920	4,810	6,570	9,780	9,760	8,650	10,800	11,400	9,680	9,460
19	9,860	9,620	4,860	4,870	6,320	9,780	9,820	8,840	10,500	11,300	9,600	9,520
20	9,900	9,600	4,810	4,840	6,180	9,820	9,860	9,070	10,700	11,400	9,720	9,720
21	9,900	9,620	4,760	4,790	6,130	9,860	9,680	8,130	10,800	11,300	9,760	9,150
22	9,760	9,640	4,790	4,890	5,940	9,820	9,840	7,900	10,900	11,200	9,700	9,030
23	9,740	9,740	4,830	4,790	5,860	9,820	9,740	8,010	11,200	11,000	9,600	9,020
24	9,760	9,780	4,860	4,810	5,960	9,780	9,860	8,030	11,200	11,100	9,580	8,900
25	9,800	9,640	4,870	4,750	5,960	9,680	9,960	8,010	11,400	11,100	9,220	8,810
26	9,780	9,560	4,890	4,860	5,860	9,700	10,200	8,300	11,400	11,200	9,500	8,750
27	9,780	9,760	4,760	4,830	5,960	9,600	10,200	8,600	11,500	11,100	9,500	8,500
28	9,800	9,520	4,870	4,840	6,130	9,740	10,700	9,110	11,500	11,000	9,680	8,310
29	9,800	9,480	4,810	4,810	6,400	9,780	11,100	9,440	11,700	11,200	9,660	8,300
30	9,760	7,470	4,830	4,810	-	9,780	10,900	5,940	11,500	11,000	9,540	8,130
31	9,900	-	4,870	4,860	-	9,720	-	10,200	-	11,100	9,560	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	304,840	10,000	9,680	9,834	604,600
November	288,470	9,880	7,470	9,616	572,200
December	151,150	4,950	4,760	4,876	299,800
Calendar year 1935	3,205,961	19,100	152	8,783	6,359,000
January	150,060	4,940	4,750	4,841	297,600
February	164,120	6,570	4,760	5,659	325,500
March	282,160	9,860	6,370	9,102	559,700
April	296,440	11,100	9,480	9,881	588,000
May	282,050	10,300	5,940	9,098	559,400
June	307,740	11,700	8,780	10,260	610,400
July	351,000	11,600	11,000	11,320	696,200
August	308,800	11,100	9,220	9,961	612,500
September	280,240	10,000	8,130	9,341	555,800
Water year 1935-36	3,167,070	11,700	4,750	8,653	6,282,000

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 1936.

Extremes.- Maximum discharge during year, 11,500 second-feet Aug. 2; minimum, 3,440 second-feet May 31; minimum daily discharge, 4,490 second-feet Jan. 9 and Feb. 1.
1917-34 (unregulated): Maximum discharge, 174,000 second-feet June 22, 1921; minimum, 1,480 second-feet Aug. 17, 1934.
1935-36 (regulated): Maximum discharge, 18,600 second-feet June 24, 1935; minimum, 375 second-feet Feb. 14, 1935; minimum daily discharge, 422 second-feet Feb. 14, 1935.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9,360	9,480	8,050	4,830	4,490	6,000	9,690	10,600	8,050	11,100	10,600	9,080
2	9,440	9,280	5,040	4,560	4,700	6,320	9,720	9,540	8,960	11,000	10,800	9,000
3	9,640	9,440	4,900	4,760	4,800	6,070	9,400	8,170	8,920	10,800	10,600	9,040
4	9,680	9,480	4,870	4,660	4,760	6,260	9,160	9,520	9,000	11,100	10,700	9,320
5	9,600	9,680	4,830	4,700	4,660	6,500	9,840	9,720	9,240	10,900	10,100	9,240
6	9,520	9,120	4,700	4,700	4,730	6,920	9,640	10,000	9,200	11,000	9,760	9,360
7	9,640	9,280	4,730	4,630	4,590	7,260	9,360	9,960	9,280	11,000	9,760	9,280
8	9,640	9,440	4,700	4,630	4,760	8,660	9,400	9,760	8,840	10,700	9,640	9,000
9	9,400	9,120	4,730	4,490	4,700	8,560	9,520	9,440	8,880	10,600	9,720	9,080
10	9,480	9,640	4,700	4,730	4,660	8,820	9,360	9,440	8,880	10,500	10,100	9,400
11	9,520	9,320	4,700	4,730	4,730	9,340	9,200	9,800	8,840	11,000	10,100	8,880
12	9,320	9,520	4,800	4,590	4,700	9,460	9,560	9,760	8,560	11,100	9,520	8,960
13	9,240	9,400	4,560	4,730	5,280	9,460	9,440	8,400	8,560	10,900	9,160	9,400
14	9,240	9,520	4,660	4,700	6,210	9,820	9,200	8,170	7,860	10,900	8,960	9,120
15	9,280	9,440	4,530	4,760	6,180	9,540	9,480	9,240	8,720	10,700	8,960	9,320
16	9,640	9,240	4,700	4,760	6,180	9,780	9,360	9,200	8,960	10,500	9,160	9,600
17	9,480	9,280	4,530	4,830	6,360	9,540	9,520	8,290	9,320	10,600	9,240	9,560
18	9,120	9,280	4,730	4,730	6,540	9,420	9,480	7,980	9,280	10,700	9,080	9,200
19	9,080	9,480	4,630	4,760	6,620	9,960	9,400	8,020	9,880	10,600	9,120	9,120
20	9,440	9,520	4,630	4,730	6,620	9,620	9,520	8,130	10,200	10,600	9,240	9,120
21	9,560	9,360	4,700	4,760	6,320	9,620	9,440	8,960	9,840	10,500	9,040	9,160
22	9,520	9,360	4,630	4,630	5,920	9,580	9,160	7,900	10,200	10,500	9,080	9,000
23	9,560	9,540	4,560	4,630	5,960	9,640	9,440	7,330	10,300	10,400	9,040	8,560
24	9,160	9,470	4,660	4,700	5,780	9,480	9,640	7,210	10,400	10,400	9,040	8,800
25	9,360	9,640	4,630	4,700	5,780	9,400	9,600	7,520	10,800	10,400	9,000	8,720
26	9,240	9,320	4,730	4,630	5,960	9,720	9,600	7,670	10,600	10,500	8,880	8,680
27	9,560	9,520	4,700	4,700	5,780	9,600	9,700	7,980	10,800	10,800	8,960	8,170
28	9,280	9,560	4,590	4,530	5,740	9,600	9,700	7,900	10,700	10,500	9,240	8,090
29	9,240	9,440	4,630	4,800	6,000	9,400	10,200	8,250	10,700	10,900	9,120	8,170
30	9,160	9,360	4,900	4,700	-	9,640	10,600	8,720	11,000	10,900	9,080	7,900
31	9,520	-	4,660	4,630	-	9,670	-	6,780	-	10,700	9,240	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	291,920	9,680	9,080	9,417	579,000
November	282,530	9,680	9,120	9,418	560,400
December	149,110	8,050	4,530	4,810	295,800
Calendar year 1935	3,045,269	18,300	422	8,343	6,040,000
January	145,420	4,830	4,490	4,691	288,400
February	159,510	6,620	4,490	5,500	316,400
March	272,580	9,960	6,000	8,793	540,700
April	286,330	10,600	9,160	9,544	567,900
May	269,360	10,600	6,780	8,689	534,300
June	284,770	11,000	7,860	9,492	564,800
July	332,800	11,100	10,400	10,740	660,100
August	294,040	10,800	8,880	9,485	583,200
September	269,330	9,600	7,900	8,978	534,200
Water year 1935-36	3,037,700	11,100	4,490	8,300	6,025,000

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 1936.

Extremes.- Maximum discharge during year, 12,100 second-feet July 30; minimum, 3,930 second-feet June 1; minimum daily discharge, 4,460 second-feet Dec. 13.
1935-36: Maximum discharge, 18,200 second-feet June 25, 1935; minimum, 1,160 second-feet Feb. 16, 1935; minimum daily discharge, 1,440 second-feet Feb. 15, 1935.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9,150	9,170	9,110	4,700	4,520	6,020	9,630	10,600	5,950	10,900	10,600	9,090
2	9,280	9,020	5,730	4,520	4,580	6,250	9,660	10,500	9,060	10,800	10,400	8,760
3	9,180	9,120	4,990	4,670	4,670	6,050	9,660	8,250	9,020	10,600	10,600	8,910
4	9,390	9,330	4,840	4,730	4,820	6,180	9,320	9,250	8,800	10,900	11,000	8,910
5	9,420	9,330	4,900	4,580	4,670	6,250	9,360	9,400	9,360	10,700	10,900	8,980
6	9,460	9,100	4,780	4,640	4,550	6,680	9,820	9,900	9,210	10,500	10,100	9,060
7	9,370	9,110	4,660	4,700	4,580	7,190	9,440	10,100	9,020	10,700	9,900	9,130
8	9,700	9,200	4,810	4,610	4,760	7,960	9,210	9,590	8,940	10,600	10,100	8,870
9	9,530	9,310	4,720	4,610	4,610	8,470	9,360	9,400	8,720	10,500	11,000	9,020
10	9,380	9,540	4,690	4,580	4,640	8,760	9,470	9,400	8,680	10,600	10,600	9,320
11	9,440	9,150	4,660	4,700	4,640	9,210	9,360	9,740	8,800	10,700	10,200	8,910
12	9,180	9,090	4,690	4,700	4,760	9,250	9,400	9,650	8,430	10,900	9,660	8,800
13	9,180	9,390	4,460	4,640	4,880	9,320	9,320	8,870	8,390	10,800	9,320	9,250
14	9,190	9,330	4,520	4,640	6,150	9,440	9,440	7,850	7,930	10,600	9,130	9,020
15	9,060	9,300	4,520	4,700	6,310	9,510	9,470	8,480	8,290	10,700	9,360	9,280
16	9,190	9,300	4,700	4,640	6,210	9,510	9,360	9,200	9,020	10,700	9,130	9,360
17	9,430	9,240	4,610	4,550	6,110	9,740	9,360	8,370	8,940	10,500	9,020	9,550
18	9,070	9,280	4,700	4,700	6,580	9,440	9,280	8,000	9,060	10,400	8,830	9,060
19	8,970	9,390	4,760	4,550	6,750	9,920	9,210	8,000	9,470	10,500	8,940	9,020
20	9,050	9,250	4,790	4,610	6,580	9,660	9,280	8,070	9,900	10,700	8,980	8,760
21	9,240	9,290	4,850	4,730	6,310	9,360	9,170	8,570	9,900	10,600	8,980	9,060
22	9,510	9,360	4,850	4,700	6,080	9,470	8,980	8,360	10,000	10,600	9,280	8,940
23	9,480	9,360	4,760	4,670	5,950	9,590	9,320	7,440	10,200	10,500	8,910	8,680
24	9,220	9,340	4,760	4,550	5,820	9,470	9,400	7,360	10,300	10,300	8,760	8,590
25	9,020	9,500	4,670	4,610	5,690	9,510	9,500	7,360	10,400	10,300	8,650	8,540
26	9,120	9,340	4,670	4,760	5,880	9,740	9,500	7,540	10,700	10,600	9,550	8,570
27	9,330	9,480	4,670	4,610	5,720	9,630	9,600	7,860	10,400	10,700	8,610	8,180
28	9,230	9,450	4,580	4,640	5,720	9,590	9,510	7,890	10,400	10,800	8,910	7,890
29	9,070	9,260	4,580	4,760	5,950	9,320	9,900	8,030	10,600	10,900	8,830	7,960
30	9,140	9,360	4,730	4,640	-	9,250	10,400	8,320	10,700	11,600	8,720	7,750
31	9,540	-	4,700	4,580	-	9,630	-	8,470	-	11,000	9,060	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	287,520	9,700	8,970	9,275	570,300
November	276,690	9,540	9,020	9,290	552,800
December	151,460	9,110	4,460	4,886	300,400
Calendar year 1935	3,071,070	17,600	1,440	8,414	6,091,000
January	144,020	4,760	4,520	4,646	285,700
February	158,490	6,750	4,520	5,465	314,400
March	269,270	9,820	6,020	8,686	534,100
April	283,690	10,400	8,980	9,456	562,700
May	269,820	10,600	7,360	8,704	535,200
June	278,590	10,700	5,950	9,286	552,600
July	331,200	11,600	10,300	10,680	656,900
August	296,030	11,000	8,610	9,549	587,200
September	265,020	9,550	7,750	8,834	525,700
Water year 1935-36	3,013,800	11,600	4,460	8,234	5,978,000

Colorado River near Picacho, Calif.

Location.- Water-stage recorder, lat. 33°2'0", long. 114°33'0", 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 Imperial Dam for All-American Canal. Zero of gage is 167.38 feet above mean sea level (from benchmarks of Metropolitan Water District of Southern California).

Drainage area.- 186,100 square miles.

Records available.- July 1934 to September 1936.

Extremes.- Maximum discharge during year, 10,500 second-feet Aug. 1; minimum, 3,870 second-feet Jan. 18; minimum daily discharge, 3,970 second-feet Jan. 24.
1935-36: Maximum discharge, 17,400 second-feet June 25, 1935; minimum, 1,290 second-feet Feb. 17, 1935; minimum daily discharge, 1,450 second-feet Feb. 17, 1935.

Remarks.- Records excellent. Diversions for irrigation above station. Discharge regulated at Boulder Dam since Feb. 1, 1935. Minor diversions but no regulation in the basin between Boulder Dam and this station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,130	8,450	8,410	4,410	4,200	5,100	8,330	9,180	7,740	9,220	10,100	7,270
2	8,050	8,490	8,650	4,330	4,120	5,100	8,410	9,710	5,730	9,260	9,510	7,270
3	8,050	8,490	6,420	4,410	4,140	5,320	8,370	9,630	7,160	9,220	9,420	6,930
4	8,170	8,410	4,660	4,380	4,270	5,290	8,050	8,330	7,970	8,890	9,380	7,160
5	8,250	8,610	4,440	4,490	4,460	5,350	8,250	7,780	7,930	9,180	9,100	7,270
6	8,610	8,770	4,360	4,350	4,380	5,420	8,450	8,450	8,010	9,380	9,710	7,390
7	8,450	8,570	4,330	4,300	4,170	5,510	8,610	8,530	8,250	9,100	8,930	7,780
8	8,570	8,450	4,350	4,330	4,140	5,920	8,410	8,770	8,010	8,730	8,490	7,740
9	8,650	8,570	4,300	4,250	4,170	6,410	8,450	8,610	7,930	8,890	8,690	7,580
10	8,650	8,650	4,120	4,070	4,440	7,430	8,410	8,610	7,540	8,770	8,690	7,430
11	8,370	8,730	4,170	4,250	4,330	7,460	8,410	8,690	7,580	8,770	9,510	7,500
12	8,410	8,730	4,120	4,330	4,120	7,740	8,490	8,450	7,310	9,060	8,610	7,660
13	8,570	8,570	4,120	4,270	3,990	8,370	8,370	8,450	7,310	9,180	8,330	7,270
14	8,410	8,610	4,220	4,070	4,090	8,330	8,370	8,490	7,270	9,140	7,970	7,580
15	8,170	8,410	4,200	4,120	4,440	8,570	8,330	7,230	7,120	8,850	7,740	7,700
16	8,130	8,730	4,220	4,120	5,610	8,490	8,210	7,230	6,480	8,930	7,460	7,740
17	8,010	8,690	4,270	4,090	5,450	8,690	8,050	7,890	7,390	8,730	7,660	7,740
18	8,130	8,650	4,200	4,040	5,550	8,450	8,250	8,210	7,660	8,930	7,740	7,930
19	8,250	8,490	4,170	4,120	5,740	8,530	8,090	7,270	7,540	8,970	7,660	7,700
20	8,330	8,690	4,250	4,380	6,090	8,330	8,090	7,080	7,580	9,060	7,310	7,660
21	7,930	8,770	4,520	4,350	5,840	8,690	8,210	6,890	8,210	8,850	7,580	7,820
22	8,370	8,730	4,570	4,300	5,740	8,490	8,170	7,190	8,450	8,770	7,460	7,700
23	8,450	8,770	4,520	4,140	5,510	8,450	8,170	7,500	8,450	8,690	7,540	7,660
24	8,410	8,850	4,270	3,970	5,260	8,530	8,050	6,890	8,490	8,730	7,700	7,620
25	8,290	8,610	4,250	4,020	5,220	8,250	8,330	6,300	8,570	8,530	7,430	7,230
26	8,210	8,730	4,170	4,270	5,100	8,290	8,590	6,340	8,450	8,770	7,390	7,460
27	8,410	8,690	4,270	4,330	5,010	8,530	8,850	6,340	9,010	9,590	7,660	7,230
28	8,530	8,850	4,250	4,250	5,260	8,530	8,450	6,450	9,180	9,100	7,430	7,390
29	8,210	8,730	4,300	4,410	5,100	8,410	8,250	6,590	9,300	9,300	7,190	7,040
30	8,250	8,610	4,330	4,350	-	8,570	8,850	6,740	9,180	9,670	7,390	6,740
31	8,410	-	4,270	4,200	-	8,250	-	6,930	-	10,300	7,890	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	257,830	8,650	7,930	8,317	511,400
November	259,100	8,850	8,410	8,637	513,900
December	143,720	8,650	4,120	4,636	285,100
Calendar year 1935	2,823,650	17,000	1,450	7,736	5,601,000
January	131,700	4,490	3,970	4,248	261,200
February	139,940	6,090	3,990	4,826	277,600
March	232,800	8,690	5,100	7,510	461,800
April	250,320	8,850	8,050	8,344	496,600
May	240,750	9,710	6,300	7,766	477,500
June	236,800	9,300	5,730	7,893	469,700
July	280,560	10,300	8,530	9,050	556,500
August	264,670	10,100	7,190	8,215	505,100
September	224,190	7,930	6,740	7,473	444,700
Water year 1935-36	2,652,380	10,300	3,970	7,247	5,261,000

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 1936 (only gage heights prior to January 1902).

Extremes.- Maximum discharge during year, 9,520 second-feet Aug. 1; maximum gage height, 20.79 feet Nov. 23; minimum discharge, 1,540 second-feet Jan. 4; minimum gage height, 18.19 feet Jan. 27; minimum daily discharge, 2,100 second-feet Jan. 19 and Feb. 13. 1902-36: Maximum daily discharge, 240,000 second-feet Jan. 22, 1916; minimum daily discharge, 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. Records of discharge of Yuma Main Canal Wasteway, which returns water from canal to river half a mile downstream, supplement records of discharge at river station. Colorado River regulated at Boulder Dam since Feb. 1, 1935. No regulation in the basin below Boulder Dam on Colorado River nor below Gillespie Dam on Gila River. Daily-discharge records for wasteway furnished by U. S. Bureau of Reclamation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6,120	6,370	6,710	2,420	2,300	3,410	6,480	6,860	5,180	7,010	8,500	5,350
2	5,900	6,670	6,300	2,490	2,300	3,140	6,670	7,240	4,580	7,050	7,600	5,140
3	5,970	6,440	5,610	2,400	2,110	3,110	6,670	7,680	4,020	6,900	7,200	4,750
4	6,150	6,300	3,090	2,850	2,360	3,330	6,520	6,970	5,690	6,860	7,050	5,110
5	6,150	6,330	2,980	2,380	2,380	3,380	6,440	5,410	5,760	6,900	7,200	5,410
6	6,330	6,630	3,160	2,320	2,250	3,440	6,330	6,010	5,970	7,010	7,170	5,350
7	6,370	6,740	3,140	2,300	2,210	3,600	6,410	6,260	6,010	6,900	7,280	5,550
8	6,120	6,670	3,190	2,360	2,270	3,830	6,480	6,410	5,900	6,520	6,740	5,350
9	6,300	6,150	3,240	2,400	2,340	4,340	6,190	6,740	5,860	6,560	6,480	5,380
10	6,710	6,630	3,080	2,340	2,470	5,010	6,150	6,440	5,520	6,820	6,410	5,180
11	6,560	6,520	3,220	2,230	2,440	5,520	6,370	6,410	5,310	6,860	7,170	5,240
12	6,230	6,670	3,060	2,400	2,320	5,760	6,560	6,220	5,480	6,630	6,970	5,520
13	6,410	6,520	2,550	2,500	2,100	6,120	6,370	6,330	5,240	7,120	6,370	5,180
14	6,260	6,440	2,360	2,300	2,250	6,400	6,190	6,260	5,210	7,090	5,900	5,180
15	6,080	6,440	2,400	2,230	2,380	6,710	6,150	5,450	5,140	6,900	5,940	5,620
16	6,080	6,590	2,470	2,300	3,630	6,480	6,120	4,880	4,720	6,740	5,550	5,720
17	6,040	6,520	2,440	2,210	3,690	6,630	6,120	5,620	4,850	6,820	5,520	5,800
18	6,080	6,520	2,360	2,170	3,750	6,560	6,190	5,970	5,620	6,820	5,550	5,830
19	6,220	6,440	2,510	2,100	3,830	6,480	6,120	5,520	5,550	6,710	5,620	5,940
20	6,410	6,520	2,900	2,440	4,160	6,440	6,040	4,980	5,690	6,860	5,240	5,520
21	6,040	6,780	2,530	2,440	4,190	6,630	6,220	4,760	5,690	6,590	5,450	5,830
22	6,260	6,820	2,650	2,400	4,010	6,630	6,220	4,880	6,300	6,410	5,580	5,450
23	6,220	6,550	2,690	2,250	3,980	6,480	6,150	5,330	6,330	6,410	5,450	5,660
24	6,300	6,710	2,580	2,150	3,410	6,740	6,150	5,180	6,120	6,480	5,480	5,520
25	6,440	6,900	2,550	2,190	3,380	6,440	6,220	4,300	6,330	6,710	5,380	5,180
26	6,710	6,860	2,440	2,430	3,410	6,410	6,710	4,100	6,330	6,370	5,110	5,350
27	6,190	6,820	2,530	2,400	3,190	6,480	6,480	4,130	6,670	7,170	5,280	5,140
28	6,190	6,930	2,420	2,360	3,240	6,740	6,300	4,190	6,900	7,130	5,480	5,240
29	6,080	6,740	2,420	2,340	3,240	6,930	6,370	4,280	7,170	6,860	5,450	5,010
30	6,010	6,630	2,530	2,440	-	6,630	6,410	4,500	7,090	7,400	5,410	4,690
31	6,300	-	2,490	2,320	-	6,590	-	4,690	-	7,840	5,690	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	193,230	6,710	5,900	6,233	383,300
November	197,850	6,930	6,150	6,595	392,400
December	94,600	6,710	2,360	3,052	187,600
Calendar year 1935	2,035,670	14,400	331	5,577	4,038,000
January	72,860	2,850	2,100	2,350	144,500
February	85,590	4,190	2,100	2,951	169,800
March	172,430	6,930	3,110	5,562	342,000
April	189,800	6,710	6,040	6,327	376,500
May	174,020	7,680	4,100	5,614	345,200
June	172,230	7,170	4,020	5,741	341,600
July	212,450	7,840	6,370	6,853	421,400
August	191,220	8,500	5,110	6,168	379,300
September	161,190	5,940	4,690	5,373	319,700
Water year 1935-36	1,917,470	8,500	2,100	5,239	3,803,000

Discharge, in second-feet, of Yuma Main Canal Wasteway at Yuma, Ariz., for water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,260	1,290	1,310	1,440	1,550	1,260	1,200	1,440	1,120	1,030	935	1,080
2	1,290	1,330	1,130	1,430	1,560	1,100	1,410	1,510	1,110	1,050	1,330	1,130
3	1,270	1,360	1,260	1,450	1,410	1,230	1,400	1,400	1,070	1,100	1,140	1,190
4	1,250	1,310	1,260	913	1,260	1,220	1,330	1,140	1,140	1,120	1,110	1,250
5	1,390	1,210	947	1,570	1,260	1,220	1,210	1,170	1,160	1,280	1,170	1,230
6	1,480	1,200	667	1,470	1,460	1,230	1,100	1,230	1,300	1,100	1,270	1,310
7	1,220	1,260	732	1,460	1,480	1,270	1,230	1,280	1,290	995	1,280	1,230
8	1,160	1,200	762	1,480	1,490	1,320	1,260	1,360	1,020	986	1,310	1,100
9	1,150	1,230	610	1,510	1,520	1,410	1,230	1,470	1,080	1,030	1,750	1,080
10	1,160	1,360	463	1,530	1,350	1,340	1,240	1,390	1,100	1,070	1,180	1,110
11	1,100	1,330	567	1,550	1,320	1,250	1,330	1,160	1,100	1,070	1,160	1,180
12	1,190	1,290	605	1,490	1,310	1,240	1,240	1,240	1,090	1,220	1,180	1,140
13	1,430	1,240	1,080	1,270	1,250	1,240	1,100	1,250	1,130	1,040	1,210	1,310
14	1,250	1,260	1,420	1,460	1,270	1,320	1,130	1,260	1,170	981	1,220	1,190
15	1,220	1,310	1,510	1,470	1,360	1,170	1,110	1,290	1,000	1,010	1,150	1,130
16	1,250	1,370	1,250	1,460	1,460	1,240	1,110	1,350	896	1,020	1,300	1,170
17	1,320	1,460	1,270	1,490	1,110	1,240	1,110	1,310	900	1,100	1,200	1,210
18	1,410	1,300	1,310	1,540	1,170	1,240	1,190	1,130	939	1,060	1,160	1,240
19	1,470	1,280	1,330	1,600	1,180	1,280	1,290	1,160	966	1,180	1,190	1,210
20	1,430	1,290	1,160	1,420	1,170	1,330	1,120	1,140	1,050	1,040	1,200	1,440
21	1,250	1,380	1,500	1,400	1,150	1,370	1,060	1,160	1,450	1,010	1,270	1,150
22	1,230	1,270	1,630	1,370	1,220	1,330	1,070	1,200	1,100	1,020	1,340	1,150
23	1,260	1,330	1,470	1,370	1,170	1,130	1,080	1,330	1,000	1,040	1,460	1,150
24	1,330	1,500	1,500	1,410	1,050	1,210	1,120	1,350	1,020	1,130	1,230	1,180
25	1,410	1,300	1,510	1,470	1,180	1,220	1,360	1,070	1,060	1,180	1,130	1,200
26	1,210	1,270	1,450	1,440	1,160	1,300	1,290	1,150	1,060	1,320	1,150	1,150
27	1,450	1,290	1,470	1,150	1,130	1,380	1,180	1,140	973	1,080	1,220	1,310
28	1,370	1,370	1,550	1,350	1,170	1,410	1,230	1,140	1,080	1,010	1,260	1,140
29	1,230	1,400	1,610	1,410	1,250	1,270	1,230	1,180	1,050	1,040	1,300	1,060
30	1,230	1,420	1,450	1,520	-	1,200	1,320	1,340	1,020	1,060	1,480	1,100
31	1,240	-	1,450	1,520	-	1,200	-	1,320	-	1,110	1,170	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	39,910	1,480	1,100	1,287	79,160
November	39,410	1,500	1,200	1,314	78,170
December	37,233	1,630	463	1,201	73,850
Calendar year 1935	482,596	1,800	463	1,322	957,200
January	44,413	1,600	913	1,433	88,090
February	37,420	1,560	1,050	1,290	74,220
March	39,170	1,410	1,100	1,264	77,690
April	36,280	1,410	1,060	1,209	71,960
May	39,060	1,510	1,070	1,260	77,470
June	32,444	1,450	896	1,081	64,350
July	33,482	1,320	981	1,080	66,410
August	38,455	1,750	935	1,240	76,270
September	35,520	1,440	1,060	1,184	70,450
Water year 1935-36	452,797	1,750	463	1,237	898,100

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. Zero of gage is 8,244.30 feet above mean sea level.
Drainage area.- 59 square miles.
Records available.- June 1935 to September 1936.
Extremes.- Maximum discharge during period June to September 1935, 1,310 second-feet June 16 (gage height, 4.13 feet); minimum daily discharge, 20 second-feet Sept. 29. Maximum discharge during water year 1936, 887 second-feet May 29 (gage height, 3.18 feet); minimum discharge not determined.
Remarks.- Records excellent June to September 1935 (except those for June 1, 2, which were estimated), and Apr. 14 to August 1936; records good October 1935 to March 1936 and September 1936, except those for Nov. 3, 26, 1935, and Nov. 29, 1935, to Apr. 13, 1936, which are fair and were computed on basis of four discharge measurements and weather records. Flow partially regulated by Monarch Lake. Small diversions for irrigation above station. Several second-feet diverted around station by power canal during summer.

Rating table, water years 1934-35, 1935-36 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 16 to Nov. 28, 1935, Aug. 5 to Sept. 7, and Sept. 14-30, 1936)

0.5	10	1.6	212
.6	15	1.8	292
.8	32	2.0	376
1.0	62	2.5	588
1.2	105	3.0	808
1.4	154	4.0	1,255

Discharge, 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	510	46	33
2									210	473	87	32
3									202	477	87	31
4									206	510	85	28
5									223	498	81	27
6									309	431	75	23
7									397	410	66	20
8									494	401	68	33
9									579	401	79	38
10									733	376	75	38
11									927	384	70	35
12									1,040	338	64	32
13									1,050	330	59	29
14									1,110	338	55	28
15									1,230	296	50	26
16									1,120	267	48	26
17									874	246	60	26
18									733	254	70	24
19									764	231	60	24
20									852	223	57	23
21									958	216	48	23
22									949	231	41	21
23									954	202	38	21
24									856	186	38	21
25									826	164	40	21
26									672	152	48	21
27									632	144	54	22
28									540	134	47	21
29									494	132	42	20
30									502	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	20,671	1,230	202	689	41,000
July	9,204	510	105	297	18,260
August	1,810	87	33	58.4	3,590
September	796	38	20	26.5	1,580
The period					64,430

Note.- Above records supersede those published in Water-Supply Paper 789.

Arapaho Creek below Monarch Lake, Colo.

(Continued)

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	13					7	159	817	258	149	40
2	21	14					6	152	724	220	129	38
3	20	14					6	177	623	199	142	37
4	20	14					5	271	553	117	199	37
5	19	14	*10				5	368	548	101	177	35
6	19	13					6	414	536	152	154	33
7	18	13					6	300	506	152	136	31
8	18	12					7	212	553	142	117	30
9	18	12				*8	9	164	672	139	98	29
10	16	13					11	142	645	157	90	27
11	16	14					21	144	632	242	92	27
12	16	14					32	177	667	397	92	26
13	16	13		*8			47	254	711	313	92	25
14	15	12					55	380	729	284	87	22
15	15	12					64	536	685	212	79	21
16	15	12					64	584	676	167	75	20
17	14	12					85	523	645	162	72	20
18	14	16					110	575	575	186	77	19
19	14	18					134	566	619	172	77	18
20	14	17					170	619	601	152	75	17
21	13	16					167	597	562	136	70	15
22	14	16					170	540	443	124	66	13
23	14	14					193	502	410	112	60	14
24	14	12					206	544	389	103	54	13
25	14	12					209	614	389	101	52	12
26	14	13					199	667	359	96	50	12
27	14	14					186	711	317	96	48	10
28	14	16					172	724	317	157	47	8.0
29	14	14					175	834	326	196	42	9.2
30	14	11					172	852	309	172	41	9.6
31	14	-					-	746	-	167	40	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	492	21	13	15.9	976
November	410	18	11	13.7	813
December	294.5	-	-	9.5	584
Calendar year					
January	272.8	-	-	8.8	541
February	246.5	-	-	8.5	489
March	248	-	-	8.0	492
April	2,699	209	5	90.0	5,350
May	14,048	852	142	453	27,860
June	16,538	817	309	551	32,800
July	5,384	397	96	174	10,680
August	2,779	199	40	89.6	5,510
September	667.8	40	8.0	22.3	1,320
Water year 1935-36	44,079.6	852	-	120	87,420

*Discharge measurement.

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.

Drainage area.- 22.1 square miles.

Records available.- June 1907 to October 1909, August 1934 to September 1936.

Extremes.- Maximum discharge during year, 227 second-feet May 30 (gage height, 2.04 feet); minimum daily discharge, 1.4 second-feet Sept. 17-23.
1934-36: Maximum discharge, 393 second-feet June 15, 1935 (gage height, 2.27 feet); minimum daily discharge, that of Sept. 17-23, 1936.

Remarks.- Records good except those for periods of ice effect, Nov. 12-18, Nov. 30 to Apr. 14, which are fair and were computed on basis of five discharge measurements and weather records. The Pioneer Bore of the Moffat Tunnel diverts water above this station. The diversion began June 9, 1936. The combined flow of this diversion and Fraser River is comparable with records prior to June 9, 1936.

Rating table, water year 1935-36 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 20 to Aug. 5, Sept. 1-30)

0.1	1.3	0.8	39	1.6	146
.2	2.5	1.0	61	1.8	180
.4	9.3	1.2	86	2.0	219
.6	21	1.4	114		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	13	6.6	6.0	5.2	4.0	5.7	30	201	4.3	3.3	2.1
2	13	12	6.6	6.0	5.4	4.0	5.2	33	170	4.3	3.1	2.1
3	13	9.3	6.3	6.5	5.6	4.0	5.2	43	156	3.9	3.1	2.3
4	13	12	7.0	6.5	5.8	4.0	8	53	154	3.9	3.1	2.0
5	13	13	7.0	6.5	6.0	3.7	7	66	138	3.7	3.1	1.9
6	13	9.3	7.0	6.0	6.2	3.6	7	63	128	3.7	3.1	1.9
7	13	6.9	7.0	6.0	6.6	3.4	7	54	135	3.7	2.9	1.8
8	13	10	6.5	6.0	6.6	4.2	6	47	160	3.7	2.9	1.5
9	13	12	7.0	6.5	6.6	4.5	6	41	153	3.9	2.7	1.5
10	13	7.4	6.5	7.0	6.6	4.3	6	40	133	3.9	2.5	1.5
11	12	5.9	6.5	7.5	6.7	3.9	7	37	107	5.9	2.7	1.5
12	12	5.5	6.0	6.5	6.7	3.9	8	49	81	7.4	3.3	1.5
13	12	5.5	5.5	6.5	6.8	3.9	10	53	28	4.1	2.7	1.5
14	12	5.5	5.3	6.5	6.6	3.9	12	62	59	3.7	2.5	1.5
15	12	6.0	5.3	6.0	6.4	3.9	15	82	165	3.7	2.5	1.5
16	12	5.0	5.0	6.0	6.2	4.0	16	94	173	3.9	2.4	1.5
17	13	6.0	4.8	6.5	5.8	3.5	19	100	168	3.7	2.5	1.4
18	14	6.4	4.8	6.5	5.5	4.0	21	106	130	3.5	2.5	1.4
19	13	6.9	4.8	6.0	5.2	4.5	25	111	66	3.3	2.5	1.4
20	12	6.9	5.0	5.8	4.7	5.0	27	119	11	3.1	2.7	1.4
21	11	7.4	5.0	6.0	4.8	5.5	23	125	9.9	3.1	2.5	1.4
22	12	7.4	5.0	6.2	5.0	6.0	26	125	9.3	3.1	2.4	1.4
23	11	8.8	5.0	6.2	4.8	6.0	27	127	9.3	2.7	2.3	1.4
24	11	7.9	5.0	6.2	4.6	6.0	33	133	8.8	2.7	2.3	2.1
25	11	8.3	5.5	6.2	4.4	7.0	33	141	8.3	3.3	2.1	21
26	12	7.9	5.5	5.7	4.3	7.0	33	154	7.9	3.7	2.1	21
27	8.8	7.4	6.0	5.7	4.4	7.0	32	165	7.4	3.7	2.1	22
28	9.3	7.9	6.0	5.7	4.2	6.0	33	165	5.5	5.0	2.1	23
29	10	7.9	5.5	6.0	4.0	6.0	33	173	5.9	3.9	2.0	24
30	9.9	6.7	5.5	5.6	-	6.0	31	188	4.5	3.7	2.1	25
31	11	-	5.5	5.0	-	6.0	-	207	-	3.7	2.4	-

Month	Observed					Diversion by Moffat Tunnel (acre-feet)	Corrected for diversion	
	Second-foot-days	Discharge in second-feet			Run-off in acre-feet		Run-off in acre-feet	Mean (second-feet)
		Maximum	Minimum	Mean				
October	371.0	14	8.8	12.0	736	0	736	12.0
November	242.1	13	5.0	8.07	480	0	480	8.07
December	179.9	7.0	4.8	5.80	357	0	357	5.80
Calendar year 1935	11,710.8	281	2.7	32.1	23,230	0	23,230	32.1
January	191.3	7.5	5.0	6.17	379	0	379	6.17
February	161.7	6.8	4.0	5.58	321	0	321	5.58
March	148.7	7.0	3.4	4.80	295	0	295	4.80
April	527.1	33	5.2	17.6	1,050	0	1,050	17.6
May	2,986	207	30	96.3	5,920	0	5,920	96.3
June	2,592.6	201	4.5	86.4	5,140	4,150	9,290	156
July	119.9	7.4	2.7	3.87	238	3,720	3,960	64.4
August	80.5	3.3	2.0	2.60	160	3,110	3,270	53.2
September	175.5	25	1.4	5.85	348	1,170	1,520	25.5
Water year 1935-36	7,776.5	207	1.4	21.2	15,420	12,150	27,580	38.0

Willow Creek near Granby, Colo.

Location.- Water-stage recorder, lat. 40°11', long. 106°0', in NW¼ sec. 34, T. 3 N., R. 77 W., 100 feet below mouth of Gold Run Creek and 7 miles northwest of Granby. Zero of gage is 8,240.99 feet above mean sea level.

Drainage area.- 105 square miles.

Records available.- April 1935 to September 1936.

Extremes.- Maximum discharge during year, 680 second-feet May 16 (gage height, 3.70 feet); minimum occurred during period of ice effect.
1935-36: Maximum discharge, that of May 16, 1936; minimum occurred during period of ice effect.

Remarks.- Records excellent except those for period of ice effect, Oct. 24 to Apr. 17, which are fair and were computed on basis of three discharge measurements and weather records. Water diverted for irrigation of hay meadows above station.

Rating tables, water year 1935-36 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1-23)

Oct. 1-23

0.3	10.2
.4	12.7
.5	16

Apr. 12 to Sept. 30

-0.1	17.5	1.4	143
0	21.3	1.6	184
.2	30	1.8	227
.4	41	2.0	272
.6	55	2.5	387
.8	71	3.0	506
1.0	91	3.7	680
1.2	112		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12						22	254	434	92	72	35
2	12						20	263	392	85	69	30
3	12						18	325	355	77	131	30
4	12						16	436	323	71	123	30
5	12		*7.4				11	518	300	65	111	30
6	12						10	605	272	63	112	29
7	12						12	568	251	61	113	29
8	12						18	439	258	57	96	27
9	12						20	327	270	58	87	27
10	12					*11	28	300	263	59	80	28
11	12						37	316	251	98	78	34
12	12						41	385	240	112	89	29
13	12						50	456	242	94	76	28
14	12						70	525	240	77	71	26
15	12						95	568	236	70	65	25
16	12						135	655	229	73	59	24
17	12						150	645	203	68	56	23
18	12						190	628	186	84	53	23
19	12						207	610	171	73	51	22
20	13						209	608	155	69	54	22
21	13						197	608	143	68	49	21
22	12						216	572	145	60	47	21
23	12						229	540	134	53	41	21
24	12						209	504	119	47	38	21
25	13						272	492	126	46	36	21
26	14						316	499	182	52	33	21
27	13						327	499	122	66	32	21
28	12						290	489	118	63	32	21
29	12						293	458	118	53	31	21
30	12						279	446	101	56	30	21
31	12						-	434	-	70	31	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	378	14	12	12.2	750
November	300	-	-	10	595
December	232.5	-	-	7.5	461
Calendar year					
January	201.5	-	-	6.5	400
February	203	-	-	7	403
March	403	-	-	13	799
April	3,987	327	10	133	7,910
May	14,974	655	254	483	29,700
June	6,579	434	101	219	13,050
July	2,140	112	46	69.0	4,240
August	2,048	131	30	66.1	4,060
September	761	35	21	25.4	1,510
Water year 1935-36	32,207.0	655	-	88.0	63,880

*Discharge measurement.

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.

Drainage area.- 27.8 square miles.

Records available.- June 1907 to October 1909, August 1934 to September 1936.

Extremes.- Maximum discharge during year, 273 second-feet May 30 (gage height, 2.27 feet); minimum daily discharge, 4.2 second-feet Feb. 29.
1934-36: Maximum discharge, 396 second-feet June 15, 1935 (gage height, 2.64 feet); minimum, 3.1 second-feet Apr. 7, 1935 (gage height, 0.62 foot).

Remarks.- Records good except those for periods of ice effect, Oct. 28, 29 Nov. 4 to Apr. 21, which are fair and were computed on basis of five discharge measurements, weather records, and gage heights. No diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	13	9.6	7.6	7.0	4.3	7.9	31	231	101	68	34
2	13	11	9.3	7.6	7.3	4.5	7.8	33	201	89	60	30
3	13	13	9.2	7.5	7.3	4.5	8.4	44	179	84	56	32
4	13	12	9.5	7.5	7.2	5.0	8.8	58	167	80	51	28
5	13	12	9.6	7.5	7.0	4.6	9.3	86	146	72	53	26
6	13	11	9.4	7.3	6.9	4.4	9.6	65	141	68	52	26
7	13	12	9.7	7.2	6.8	4.5	10	51	158	68	48	25
8	13	10	10	6.8	6.6	4.5	10	45	188	65	45	24
9	13	11	9.5	7.2	6.1	4.5	11	39	188	68	44	24
10	12	10	8.9	7.4	6.2	4.5	11	39	192	70	44	25
11	12	10	9.2	7.4	6.3	4.5	11	41	192	103	44	26
12	12	9.6	9.0	7.3	6.4	4.8	12	50	198	108	52	25
13	12	9.7	9.5	7.4	6.5	5.0	12	53	201	75	46	25
14	12	10	9.0	7.6	6.5	5.0	12	63	198	65	42	23
15	11	10	8.0	7.7	6.6	5.2	13	86	198	63	39	22
16	12	9.8	7.0	7.7	6.5	5.3	14	103	188	60	39	21
17	13	9.8	6.7	7.6	6.3	5.5	17	108	182	57	39	21
18	18	9.8	6.9	7.5	5.6	6.1	18	108	176	57	39	21
19	15	10	7.1	7.2	5.8	6.2	19	119	167	54	39	21
20	14	9.8	7.1	7.6	5.7	6.5	20	141	152	53	39	20
21	13	10	7.2	7.6	5.5	6.9	21	141	144	52	39	20
22	17	9.7	7.4	7.8	5.3	7.1	22	135	141	51	34	19
23	19	9.4	7.5	7.9	5.5	7.6	24	144	132	48	32	19
24	21	9.7	7.6	7.8	5.5	7.2	26	152	132	50	30	19
25	14	10	7.8	7.8	5.5	8.0	32	173	127	54	28	18
26	16	11	8.0	7.7	5.3	8.0	32	201	121	54	28	19
27	12	10	8.0	7.7	5.0	8.0	35	217	119	51	29	19
28	12	9.6	8.0	7.5	4.6	8.3	32	214	127	56	28	21
29	12	9.7	8.0	7.3	4.2	8.7	35	211	127	51	27	22
30	13	9.8	7.8	7.1	-	8.4	32	241	116	51	29	23
31	12	-	7.7	6.9	-	8.0	-	241	-	51	35	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	422	21	11	13.6	837
November	312.2	13	9.4	10.4	619
December	259.2	10	6.7	8.36	514
Calendar year 1935	10,591.4	295	4	29.0	21,000
January	231.7	7.9	6.8	7.47	460
February	177.0	7.3	4.2	6.10	351
March	185.6	8.7	4.3	5.99	368
April	532.8	35	7.8	17.8	1,060
May	3,433	241	31	111	6,810
June	4,929	231	116	164	9,780
July	2,029	108	48	65.5	4,020
August	1,278	68	27	41.2	2,530
September	696	34	18	23.3	1,380
Water year 1935-36	14,487.5	241	4.2	39.6	28,730

Fraser River near West Portal, Colo.

Location.- Water-stage recorder, lat. 39°54'0", 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 1936 in reports of U. S. Geological Survey; September 1910 to September 1936 in reports of State engineer.

Average discharge.- 26 years, 44.4 second-feet (including diversion by Moffat Tunnel).

Extremes.- Maximum discharge during year, 279 second-feet May 30 (gage height, 1.94 feet); minimum daily discharge, 3.8 second-feet Sept. 22-24.
1910-36: Maximum discharge, 820 second-feet June 13, 1918 (gage height, 2.9 feet); minimum, 2 second-feet Mar. 30, 1912.

Remarks.- Records good. Discharge computed on basis of three discharge measurements and weather records for periods of ice effect, Nov. 8, 9, 12, 13, 16-20, 22-24, Nov. 29 to Dec. 5, Dec. 10, 12, Dec. 15 to Jan. 10, Jan. 19-21, Jan. 27 to Mar. 6, Mar. 10-21, Mar. 28 to Apr. 3, Apr. 11-27. The Pioneer Bore of the Moffat Tunnel has diverted water above this station since June 9, 1936. The combined flow of this diversion and Fraser River is comparable with records prior to June 9, 1936.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	15	10	8.5	8.2	8.0	9.5	54	242	13	7.6	5.9
2	15	13	10	8.0	8.4	8.1	8.9	48	215	12	6.6	6.2
3	15	13	10	8.5	8.6	8.2	9.0	64	196	11	7.3	6.6
4	16	13	11	8.0	8.8	8.3	12	83	178	11	6.6	5.9
5	16	13	11	8.0	9.0	8.0	11	107	169	11	6.6	5.3
6	15	13	11	7.5	9.2	7.8	11	93	156	9.8	6.6	5.0
7	15	13	11	7.5	9.4	7.6	11	80	165	10	5.9	4.7
8	15	11	10	8.0	9.4	8.4	9.8	67	187	11	5.6	4.7
9	15	12	11	8.5	9.4	8.7	9.8	57	185	11	5.3	4.7
10	15	13	10	9.0	9.4	8.5	9.8	61	152	11	5.0	4.7
11	14	13	9.4	9.4	9.6	8.0	11	51	122	15	5.9	5.0
12	14	12	9.0	8.4	9.6	8.0	12	73	98	17	7.6	4.7
13	14	12	8.4	8.4	9.8	8.0	14	73	46	11	6.6	4.7
14	14	12	8.0	8.4	9.6	8.0	16	83	81	9.4	5.9	4.7
15	14	13	8.0	8.0	9.4	8.0	18	107	192	8.7	5.3	4.4
16	14	11	7.5	8.0	9.2	8.0	20	122	190	8.0	5.3	4.4
17	15	12	7.0	8.4	9.0	7.5	22	129	185	8.4	5.3	4.4
18	17	12	7.0	8.4	8.7	8.0	26	129	134	8.0	6.2	4.4
19	16	12	7.0	8.0	8.4	8.5	27	140	80	7.6	6.2	4.1
20	16	12	7.5	7.5	8.1	9.0	31	148	21	7.6	6.2	4.1
21	14	12	7.5	8.0	8.1	9.5	28	152	20	7.6	6.6	4.1
22	14	11	7.5	8.4	8.1	10	29	156	20	6.9	5.9	3.8
23	14	11	7.5	8.4	8.7	10	32	165	19	6.6	5.6	3.8
24	15	12	7.5	8.4	9.1	10	39	169	18	6.2	5.3	3.8
25	15	12	8.0	8.4	8.1	11	40	183	17	8.4	5.3	18
26	15	11	8.0	8.0	8.1	11	42	196	17	9.4	5.0	21
27	15	11	8.5	8.0	7.9	11	42	210	15	9.4	5.0	22
28	16	11	8.5	8.0	7.9	10	46	219	17	12	5.3	25
29	13	11	8.0	8.4	7.9	10	46	224	17	9.1	5.0	27
30	13	10	8.0	8.0	-	10	43	247	15	8.0	5.3	28
31	15	-	8.0	7.5	-	10	-	256	-	7.6	6.6	-

Month	Observed					Diversion by Moffat Tunnel (acre-feet)	Corrected for diversion	
	Second-foot-days	Discharge in second-feet			Run-off in acre-feet		Run-off in acre-feet	Mean (second-feet)
		Maximum	Minimum	Mean				
October	460	17	13	14.8	912	0	912	14.8
November	362	15	10	12.1	718	0	718	12.1
December	270.8	11	7.0	8.74	537	0	537	8.74
Calendar year 1935	13,528.2	291	5.3	37.1	26,830	0	26,830	37.1
January	253.9	9.4	7.5	8.19	504	0	504	8.19
February	255.1	9.8	7.9	8.80	506	0	506	8.80
March	275.1	11	7.5	8.87	546	0	546	8.87
April	685.8	46	8.9	22.9	1,360	0	1,360	22.9
May	3,946	256	48	127	7,830	0	7,830	127
June	3,169	242	15	106	6,290	4,150	10,440	175
July	302.7	17	6.2	9.76	600	3,720	4,320	70.3
August	184.5	7.6	5.0	5.95	366	3,110	3,480	56.6
September	255.1	28	3.8	8.50	506	1,170	1,680	28.2
Water year 1935-36	10,420.0	256	3.8	28.5	20,680	12,150	32,830	45.2

155047 O—37——3

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.- August 1934 to September 1936. June 1907 to September 1909 at site 2 miles upstream; records not comparable.

Extremes.- Maximum discharge during year, 262 second-feet May 30 (gage height, 2.34 feet); minimum daily discharge, 6 second-feet Dec. 16.
1934-36: Maximum discharge, 353 second-feet June 15, 1935 (gage height, 2.58 feet); minimum, 3.2 second-feet Apr. 9, 1935 (gage height, 0.75 foot).

Remarks.- Records excellent except those for periods of ice effect, Oct. 28, 29, Nov. 5, 6, Nov. 8 to Apr. 12, which are fair and were computed on basis of five discharge measurements, gage heights, and weather records. No regulation or diversions.

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

0.8	5
1.0	18
1.2	34
1.4	54
1.6	90
1.8	116
2.0	166
2.2	220
2.5	310

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	20	7.5	12	9	8.5	8.5	32	223	114	70	41
2	19	17	8	12	9	9	8	36	189	104	65	38
3	18	14	8.5	11	9	9	7.7	46	163	102	65	38
4	18	16	8.5	12	8.5	9.5	7.5	56	158	96	61	36
5	18	14	9	11	8.5	9.6	8	69	148	90	60	34
6	17	14	9	12	8.5	10	7	67	135	86	61	32
7	17	14	9.5	12	8.5	10	8.5	58	148	86	58	32
8	17	13	8.5	12	9	10	9	48	176	82	55	31
9	17	14	9	12	8.7	11	8.5	43	187	86	53	30
10	17	13	7.5	12	9.5	10	10	42	192	88	52	30
11	17	12	9.5	12	9	10	11	43	195	116	53	31
12	17	12	8.5	12	9.5	10	12	52	203	123	62	29
13	16	12	10	12	8.5	10	13	55	214	96	54	29
14	16	13	8	12	8.5	10	14	64	214	86	49	28
15	16	14	6.5	12	8.5	10	14	83	206	85	47	27
16	16	12	6	12	8.5	10	17	93	200	83	47	27
17	17	12	6.5	11	7.5	10	22	96	195	82	47	27
18	18	12	6.5	11	8	9	23	100	195	85	47	27
19	18	13	7	10	8	10	20	108	187	79	47	25
20	18	12	7.5	10	7.5	10	20	123	174	73	48	24
21	17	12	7.5	10	8	10	19	128	163	70	49	24
22	20	11	8.5	10	10	8.5	24	128	169	67	43	24
23	19	10	9	10	9	8	26	130	156	64	40	23
24	22	11	9.5	10	7.5	9	28	135	150	61	39	23
25	19	12	10	10	7.5	9.5	31	150	150	66	37	22
26	17	12	12	10	7.5	8.5	32	171	143	69	36	22
27	19	11	12	10	8.5	9	34	182	135	62	36	23
28	18	10	11	10	10	9.5	34	182	135	65	36	25
29	17	9	10	9.5	9.5	9.5	36	187	145	65	34	26
30	16	8	11	9	-	9	36	214	128	65	36	27
31	16	-	12	8.5	-	9.5	-	235	-	65	42	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	547	22	16	17.6	1,080
November	379	20	8	12.6	752
December	273.5	12	6	8.82	542
Calendar year 1935	13,156.2	279	4.5	36.0	26,090
January	339.0	12	8.5	10.9	672
February	249.2	10	7.5	8.59	494
March	295.6	11	8	9.54	586
April	548.7	36	7	18.3	1,090
May	3,156	235	32	102	6,260
June	5,176	223	128	173	10,270
July	2,561	123	61	82.6	5,080
August	1,529	70	34	49.3	3,030
September	855	41	22	28.5	1,700
Water year 1935-36	15,909.0	235	6	43.5	31,560

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 1936.

Extremes.- Maximum discharge during year, 199 second-feet May 30 (gage height, 2.80 feet); minimum daily discharge, 3.5 second-feet Jan. 7, 8.
1934-36: Maximum discharge, 299 second-feet June 15, 1935 (gage height, 3.37 feet); minimum daily discharge, 1.5 second-feet (estimated) Feb. 3-7, Mar. 18-21, 1935.

Remarks.- Records excellent except those for periods of ice effect, Oct. 28, 29, 31, Nov. 1, 8, 9, 11-13, Nov. 28 to Dec. 6, Dec. 19 to Jan. 1, Jan. 9 to Apr. 10, which are fair and were computed on basis of five discharge measurements, gage heights, and weather records. No diversions above station.

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

0.5	2.8	1.8	78
.6	4.2	2.0	98
.8	8.5	2.2	121
1.0	15	2.4	145
1.2	25	2.6	171
1.4	40	2.8	199
1.6	58	3.0	228

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.1	9.0	4.8	4.6	3.9	3.9	3.8	28	166	41	22	16
2	6.9	8.8	4.2	4.8	3.8	3.9	3.8	32	146	37	20	15
3	6.7	8.0	3.9	4.6	3.8	3.9	3.8	44	135	35	22	16
4	6.9	10	4.2	4.2	3.8	3.9	3.8	54	126	34	24	14
5	6.9	9.6	4.6	4.1	3.7	3.9	3.8	70	114	33	22	14
6	6.7	7.4	4.8	3.8	3.9	4.1	3.7	67	108	31	24	13
7	6.4	7.4	6.2	3.5	3.9	4.1	3.9	60	114	29	22	13
8	6.7	7.4	5.6	3.5	3.9	4.1	3.9	51	123	28	22	13
9	6.4	7.4	5.4	3.9	3.8	4.1	3.9	44	123	29	20	13
10	6.4	7.4	5.0	3.9	3.8	4.1	4.1	44	127	31	20	12
11	6.4	7.3	5.0	3.8	3.8	3.9	4.8	43	128	43	20	13
12	6.0	7.0	4.8	3.8	3.9	3.9	7.4	47	129	51	26	12
13	6.0	6.8	4.9	3.7	4.1	3.9	8.5	55	132	36	27	12
14	5.8	6.7	4.6	3.8	3.9	4.1	10	68	132	31	23	11
15	5.8	6.7	4.4	3.9	3.8	4.1	11	87	128	28	22	11
16	6.2	8.5	4.4	4.1	3.8	3.9	13	102	125	28	22	11
17	7.1	6.7	4.4	3.9	3.9	3.8	16	113	119	25	23	11
18	11	6.4	4.6	3.8	4.2	3.9	18	114	114	24	24	10
19	9.3	6.4	4.8	3.7	4.1	4.0	22	120	107	23	23	9.8
20	7.8	6.4	5.0	3.8	3.9	3.9	22	127	98	23	24	9.8
21	7.4	6.4	5.2	3.9	3.9	3.9	21	132	91	22	22	9.3
22	10	6.2	5.2	3.8	3.9	3.9	27	131	88	21	20	9.0
23	10	6.2	5.2	3.8	3.9	3.9	28	135	81	19	18	9.0
24	11	6.2	5.2	3.9	4.1	3.8	31	141	73	18	18	8.8
25	9.0	6.2	5.2	3.9	4.1	3.8	32	150	71	18	17	8.8
26	9.0	6.2	5.0	3.6	3.9	3.8	32	159	68	18	16	8.8
27	8.0	6.2	4.8	3.7	3.9	3.8	31	171	56	18	16	9.6
28	8.0	5.8	4.8	3.8	3.9	3.8	32	170	52	29	16	11
29	8.5	6.0	4.9	3.8	3.9	3.9	32	168	55	24	15	12
30	9.0	5.4	4.4	3.8	-	3.9	29	179	46	22	16	12
31	9.0	-	4.6	4.0	-	3.9	-	175	-	22	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	237.4	11	5.8	7.66	471
November	212.1	10	5.4	7.07	421
December	149.9	6.2	3.9	4.84	297
Calendar year 1935	8,835.7	248	1.5	24.2	17,520
January	121.2	4.8	3.5	3.91	240
February	113.2	4.2	3.7	3.90	225
March	121.8	4.1	3.8	3.93	242
April	466.2	32	3.7	15.5	925
May	3,081	179	28	99.4	6,110
June	3,175	166	46	106	6,300
July	871	51	18	28.1	1,730
August	644	27	15	20.8	1,280
September	347.9	16	8.8	11.6	690
Water year 1935-36	9,540.7	179	3.5	26.1	18,930

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 1936.

Extremes.- Maximum discharge during year, 428 second-feet May 27 (gage height, 4.10 feet); minimum occurred during ice period.
1934-36: Maximum discharge, 506 second-feet June 15, 1935 (gage height, 4.40 feet); minimum daily discharge, 4 second-feet (estimated) Mar. 28, 1935.

Remarks.- Records excellent except those for period of ice effect, Nov. 12 to May 12, computed on basis of five discharge measurements and weather records. Several small diversions for irrigation above station.

Rating table, water year 1935-36 except period of ice effect
(gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to Nov. 11, and Sept. 1-30)

1.4	5	2.8	145
1.6	11	3.0	184
1.8	20	3.2	224
2.0	34	3.4	268
2.2	52	3.6	312
2.4	76	3.8	356
2.6	109	4.0	404

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.3	15						76	336	60	39	26
2	9.0	14						80	277	54	37	23
3	9.0	12						95	250	49	44	24
4	9.0	12	*8					135	222	48	55	23
5	9.0	15						152	202	45	40	21
6	8.6	13						145	180	44	41	20
7	8.6	11				*5.3		132	180	44	39	19
8	8.3	16						115	202	42	35	18
9	8.6	16		*10				108	216	41	33	18
10	8.6	11			*7.2			109	216	48	32	18
11	8.6	10						115	216	78	39	20
12	8.6	10						128	214	114	43	18
13	8.6	10						151	220	67	44	18
14	8.6	11						190	220	51	36	16
15	8.6	12						233	208	52	33	16
16	8.6	12						272	194	58	31	15
17	11	10						266	178	56	35	15
18	11	11						270	166	44	40	15
19	12	12						272	156	41	34	14
20	14	12						292	145	40	36	14
21	12	11						299	131	38	34	14
22	12	10						286	123	36	33	13
23	14	10						281	113	31	29	13
24	11	9						297	104	29	28	13
25	11	9						299	109	28	26	13
26	13	10						330	102	33	26	13
27	13	10						363	86	34	25	13
28	16	9						368	79	54	24	17
29	16	8						330	94	41	24	19
30	14	8						352	73	41	23	20
31	11	-						352	-	36	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	330.6	16	8.3	10.7	656
November	339	16	8	11.3	672
December	279	-	-	9	553
Calendar year 1935	14,443.9	382	4	39.6	28,650
January	279	-	-	9	553
February	188.5	-	-	6.5	374
March	170.5	-	-	5.5	338
April	960	-	-	32	1,900
May	6,893	382	76	222	13,670
June	5,212	336	73	174	10,340
July	1,477	114	28	47.6	2,930
August	1,062	55	23	34.3	2,110
September	519	26	13	17.3	1,030
Water year 1935-36	17,709.6	382	-	48.4	35,130

*Discharge measurement.

Meadow Creek near Tabernash, Colo.

Location.- Water-stage recorder, lat. 40°2'55", long. 105°46'20", in sec. 15, T. 1 N., R. 75 W., 5 miles northeast of Tabernash.

Drainage area.- 7.0 square miles.

Records available.- May to September 1936.

Extremes.- Maximum discharge during period, 177 second-feet May 31 (gage height, 3.37 feet); minimum daily discharge, 0.6 second-foot Sept. 25.

Remarks.- Records excellent for May 27 to July 5 and fair for July 6 to Sept. 30. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	108	15	8.0	4.0
2								-	68	14	8.4	3.6
3								-	56	13	10	3.6
4								-	56	14	13	2.6
5								-	40	13	10	1.9
6								-	40	12	13	2.2
7								-	50	12	9.3	2.2
8								-	74	12	7.1	1.9
9								-	69	11	6.2	1.6
10								-	61	13	6.2	1.9
11								-	60	16	9.8	2.9
12								-	59	40	8.4	1.9
13								-	65	19	7.5	2.6
14								-	61	16	4.9	2.2
15								-	54	12	4.5	1.9
16								-	48	17	4.1	1.3
17								-	43	10	5.4	1.6
18								-	41	9.8	9.8	1.6
19								-	38	9.3	7.1	1.3
20								-	35	7.5	6.6	1.0
21								-	29	7.1	6.2	1.3
22								-	29	6.2	4.9	1.3
23								-	25	8.0	4.1	1.3
24								-	22	8.0	3.2	1.3
25								-	25	7.1	2.6	.6
26								-	19	7.5	2.9	1.0
27								126	18	8.4	2.9	2.2
28								121	18	16	2.6	4.1
29								117	18	12	2.2	6.2
30								127	16	11	2.9	6.6
31								123	-	7.5	4.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 27-31	614	127	117	123	1,220
June	1,345	108	16	44.8	2,670
July	384.4	40	6.2	12.4	762
August	197.9	13	2.2	6.38	393
September	70.6	6.6	.6	2.35	140
The period					5,180

Strawberry Creek near Granby, Colo.

Location.- Water-stage recorder, lat. 40°5'10", long. 105°49'30", in SW¼SW¼ sec. 32, T. 2 N., R. 75 W., 0.6 mile below Little Strawberry Creek 6 miles east of Granby.

Drainage area.- 12.6 square miles.

Records available.- May to September 1936.

Extremes.- Maximum discharge during period, 48 second-feet May 28 (gage height, 1.23 feet); minimum daily discharge, 0.2 second-foot July 6.

Remarks.- Records excellent. Two diversions for irrigation above station.

Rating table, May to September 1936 (gage height, in feet, and discharge, in second-feet)

0.2	0
.3	.3
.4	1.9
.5	6.2
.6	11
.8	22
1.0	34
1.2	46.5
1.4	59.5

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	32	8.6	9.6	2.8
2								-	27	8.1	10	1.1
3								-	22	8.1	11	1.4
4								-	18	6.7	10	.9
5								-	17	4.5	9.6	2.3
6								-	15	.2	10	1.9
7								-	13	2.3	9.1	1.6
8								-	13	9.1	7.6	1.4
9								-	15	8.6	6.2	1.1
10								-	13	11	4.5	1.4
11								-	12	19	6.7	2.8
12								-	13	18	8.6	1.9
13								-	15	11	7.2	1.4
14								-	14	9.1	5.3	1.4
15								-	14	8.6	4.0	.9
16								-	13	9.1	3.2	.9
17								-	12	8.6	4.5	.9
18								-	13	8.6	6.2	.6
19								-	14	9.1	5.8	.9
20								-	14	8.1	5.3	.6
21								-	13	7.2	5.3	.5
22								-	12	7.2	4.9	.5
23								-	13	4.9	3.2	.6
24								-	12	3.6	2.3	.6
25								-	14	3.2	1.6	.9
26								-	14	5.3	1.4	.9
27								-	14	6.2	1.6	.9
28								48	13	8.1	1.6	2.3
29								43	14	6.7	.9	4.0
30								38	11	5.2	.6	4.0
31								36	-	6.7	1.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 28-31	165	-	-	41.2	327
June	449	32	11	15.0	891
July	241.7	19	.2	7.80	479
August	169.2	11	.6	5.46	336
September	43.4	4.0	.5	1.45	86
The period					2,120

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. 76 W., just below mouth of Steelman Creek and 7 miles southeast of Leal.

Drainage area.- 16.3 square miles.

Records available.- October 1933 to September 1936 in reports of U. S. Geological Survey; July 1933 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 254 second-feet May 30 (gage height, 2.17 feet); minimum daily discharge (computed), 2.2 second-feet Mar. 22.
1933-36: Maximum discharge, 332 second-feet June 15, 1935 (gage height, 2.45 feet); minimum occurred during period of ice effect, 1934-35.

Remarks.- Records excellent except those for periods of ice effect, Oct. 28 to May 6, and those for June 7-13, which are good and were computed on basis of records for station near Leal. No diversions above station.

Rating table, water year 1935-36 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 16-27)

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9.4	5.8	4.8	3.1	2.8	3.1	2.8	27	170	83	51	24
2	8.8	5.7	4.4	2.9	2.8	3.1	2.8	33	142	75	44	21
3	8.8	5.5	4.3	3.0	2.8	3.1	2.8	39	120	70	44	21
4	8.4	5.4	4.4	2.9	2.8	3.1	2.8	46	111	66	39	19
5	8.4	5.3	4.5	3.0	2.6	3.0	2.8	53	98	61	43	18
6	8.0	6.0	4.5	3.0	2.5	3.0	2.8	55	87	59	43	16
7	8.0	6.1	4.4	2.9	2.4	2.9	3.1	43	96	63	39	16
8	7.7	5.9	4.3	2.8	2.4	2.8	2.9	37	110	58	35	15
9	7.7	6.0	4.0	2.9	2.4	2.6	3.1	30	140	63	32	14
10	7.4	6.1	3.7	2.9	2.4	2.6	3.2	26	155	64	31	16
11	7.4	4.8	3.5	2.9	2.6	2.8	3.2	27	157	86	39	18
12	7.4	5.2	3.4	2.9	2.8	2.7	3.3	33	159	84	56	14
13	7.0	5.7	3.5	2.9	2.8	2.6	3.4	41	160	69	48	16
14	7.0	5.5	3.5	2.9	2.8	2.6	3.4	55	165	63	42	14
15	6.7	5.3	3.3	2.8	2.8	2.6	3.5	79	170	59	38	13
16	6.5	5.4	3.1	2.6	2.8	2.7	3.7	91	170	56	39	12
17	6.7	5.6	3.2	2.6	2.8	2.8	3.9	91	162	56	38	12
18	10	5.5	3.3	2.7	2.8	2.8	4.0	93	160	57	35	12
19	8.4	5.4	3.4	2.9	2.8	2.7	4.4	109	142	56	38	12
20	6.7	5.2	3.5	2.9	2.8	2.7	5.2	122	138	50	39	11
21	5.7	5.2	3.5	2.7	2.8	2.4	7.0	120	122	47	40	10
22	7.7	5.4	3.5	2.9	2.8	2.2	10	115	124	44	34	9.8
23	7.4	5.3	3.6	2.8	2.6	2.5	16	120	120	40	30	9.4
24	7.4	5.2	3.6	2.8	2.8	2.6	22	126	115	39	27	9.1
25	7.0	5.0	3.7	2.8	2.9	2.8	26	140	109	45	25	8.8
26	6.7	4.9	3.6	2.8	3.0	2.9	29	155	115	47	23	8.8
27	6.0	4.9	3.7	2.8	3.0	2.8	28	155	111	40	24	9.4
28	5.9	4.9	3.5	2.8	3.0	2.8	27	152	107	39	22	11
29	6.1	4.6	3.2	2.8	3.0	2.7	28	165	115	37	20	13
30	5.9	4.9	3.1	2.8	-	2.8	29	192	102	35	21	13
31	5.7	-	3.2	2.8	-	2.7	-	192	-	40	27	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	227.9	10	5.7	7.35	452
November	161.7	6.1	4.6	5.39	321
December	115.2	4.8	3.1	3.72	228
Calendar year 1935	9,494.7	270	-	26.0	18,840
January	88.3	3.1	2.6	2.85	175
February	79.6	3.0	2.4	2.74	158
March	85.5	3.1	2.2	2.76	170
April	289.1	29	2.8	9.64	573
May	2,764	192	26	89.2	5,480
June	3,951	170	87	132	7,840
July	1,751	86	35	56.5	3,470
August	1,106	56	20	35.7	2,190
September	416.3	24	8.8	13.9	826
Water year 1935-36	11,035.6	192	2.2	30.2	21,880

Williams River near Leal, Colo.

Location.- Water-stage recorder, lat. 39°50', long. 108°3', in sec. 31, T. 2 S., R. 77 W., just below mouth of Kinney Creek and 2 miles north of Leal.

Drainage area.- 84 square miles.

Records available.- October 1933 to September 1936 in reports of U. S. Geological Survey; July 1933 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 966 second-feet May 31 (gage height, 2.78 feet); minimum daily discharge, 14 second-feet Mar. 22.
1933-36: Maximum discharge, 1,330 second-feet June 15, 1935 (gage height, 3.49 feet); minimum daily discharge, that of Mar. 22, 1936.

Remarks.- Records excellent except those for periods of ice effect, Dec. 15-20, Dec. 23 to Jan. 11, which are good and were computed on basis of one discharge measurement and weather records. Small diversion for irrigation above station.

Rating table, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Nov. 26 to Feb. 27, Mar. 11-25, Apr. 1-17, Sept. 1-30)

0.3	13	1.6	330
.4	33	1.8	420
.6	47	2.0	518
.8	81	2.2	624
1.0	123	2.4	738
1.2	176	2.8	978
1.4	248	3.0	1,100

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	39	28	21	21	21	18	138	762	276	148	95
2	41	37	27	20	21	21	19	151	641	252	126	77
3	41	36	27	21	21	21	19	196	539	237	123	79
4	43	34	28	20	21	21	19	268	498	218	123	74
5	43	33	28	21	19	21	19	305	449	196	121	68
6	43	39	28	20	19	20	19	317	397	186	136	67
7	43	41	28	19	19	19	20	225	444	190	121	63
8	41	37	27	18	18	19	18	186	570	179	112	60
9	39	39	23	19	19	19	19	159	624	196	108	58
10	39	39	22	20	20	18	19	146	635	203	101	58
11	37	29	21	22	21	18	19	146	635	280	108	67
12	37	33	21	21	21	17	23	168	646	309	176	61
13	39	34	23	21	21	17	26	196	680	244	138	60
14	36	36	22	21	21	17	44	244	692	214	116	55
15	34	32	21	20	21	17	65	339	630	207	110	50
16	36	33	20	19	20	18	77	397	597	196	105	49
17	41	36	21	19	20	18	93	397	570	203	112	47
18	40	37	21	20	20	18	108	402	554	196	108	49
19	44	34	22	21	20	17	112	430	534	196	108	49
20	46	33	22	21	20	17	123	498	483	203	123	49
21	43	31	22	20	20	16	114	503	449	186	123	44
22	40	32	22	21	20	14	128	468	458	176	110	43
23	40	33	22	21	19	15	136	493	420	159	97	43
24	40	32	22	21	19	16	138	498	383	148	69	41
25	39	32	22	21	20	17	156	565	361	143	83	41
26	41	51	23	21	20	19	159	652	370	140	81	40
27	43	31	22	21	20	18	156	646	379	136	83	43
28	39	31	23	21	20	18	146	646	348	130	83	52
29	40	29	22	21	21	17	156	635	365	123	74	55
30	39	31	21	21	-	18	151	762	348	121	74	57
31	36	-	21	21	-	17	-	798	-	119	91	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,246	46	34	40.2	2,470
November	1,024	41	29	34.1	2,030
December	722	28	20	23.3	1,430
Calendar year 1935	37,939	1,030	15	104	75,250
January	634	22	18	20.5	1,260
February	582	21	16	20.1	1,150
March	559	21	14	18.0	1,110
April	2,319	159	18	77.3	4,600
May	11,974	798	138	386	23,750
June	15,461	762	348	515	30,670
July	5,962	309	119	192	11,830
August	3,411	176	74	110	6,770
September	1,694	95	40	56.5	3,360
Water year 1935-36	45,588	798	14	125	90,430

Williams River near Parshall, Colo.

Location.- Water-stage recorder, lat. 40°0', long. 106°11', in sec. 1, T. 1 S., R. 79 W., 2½ miles above mouth of Battle Creek and 4 miles south of Parshall.

Drainage area.- 184 square miles.

Records available.- July 1904 to September 1924, October 1933 to September 1936 in reports of U. S. Geological Survey; July 1904 to September 1924, June 1933 to September 1936 in reports of State engineer. Prior to Oct. 1, 1924, station maintained 1 mile downstream from present site; records comparable.

Average discharge.- 23 years, 170 second-feet.

Extremes.- Maximum discharge during year, 1,100 second-feet May 31 (gage height, 3.42 feet); minimum daily discharge, 23 second-feet (computed) Apr. 2.
1904-24, 1933-36: Maximum discharge (estimated), 2,750 second-feet June 16, 1918; minimum daily discharge, 10 second-feet Sept. 15-17, 1934.

Remarks.- Records excellent except those for period of ice effect, Nov. 13 to Apr. 7, which are good and were computed on basis of four discharge measurements and records for station near Leal. Diversions for irrigation above station.

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

Oct. 1 to Nov. 12		Apr. 8 to Sept. 30			
0.6	12	0.9	27	1.8	268
.8	27	1.0	37	2.0	356
1.0	51	1.2	67	2.5	578
1.2	82	1.4	116	3.0	845
		1.6	186	3.5	1,145

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	66	50	56	51	34	37	26	218	995	343	210	129
2	66	54	54	49	36	37	23	239	869	299	171	102
3	66	50	52	50	34	39	27	316	743	268	167	100
4	66	48	51	51	33	41	26	391	657	260	159	94
5	66	45	52	51	30	39	27	475	612	234	142	87
6	66	51	52	47	30	37	26	523	541	218	171	82
7	66	44	51	40	29	36	29	404	569	202	148	80
8	66	40	50	38	29	35	30	334	668	226	129	78
9	64	40	49	39	30	34	29	277	716	206	126	71
10	63	42	49	41	32	35	30	247	732	264	116	69
11	62	36	50	44	33	36	38	243	743	391	113	82
12	60	40	52	45	33	36	47	281	743	457	218	80
13	60	42	54	41	34	38	64	334	777	356	186	76
14	58	45	48	44	31	39	111	391	788	294	145	71
15	58	37	42	47	34	40	142	532	721	272	126	65
16	64	36	37	45	33	38	171	652	683	234	119	64
17	64	38	36	42	32	35	226	657	668	218	135	64
18	63	38	36	38	31	38	243	705	636	222	129	64
19	66	39	37	32	31	39	260	710	621	218	116	55
20	66	40	38	35	30	39	251	777	555	214	148	47
21	66	42	40	37	30	35	264	788	514	198	142	47
22	58	44	42	37	30	33	299	754	501	182	138	42
23	60	47	43	38	34	33	303	727	497	159	113	37
24	56	48	45	39	35	36	321	738	448	145	102	40
25	57	50	46	38	36	40	334	788	422	142	94	41
26	58	50	47	37	37	39	334	875	422	148	89	41
27	58	52	49	38	37	37	325	881	453	152	87	47
28	54	54	52	39	37	39	308	899	400	145	92	60
29	58	53	50	37	37	39	299	845	418	135	87	67
30	58	55	49	36	-	35	260	953	431	138	82	76
31	52	-	50	35	-	29	-	1,020	-	152	89	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,911	66	52	61.6	3,790
November	1,350	55	36	45.0	2,680
December	1,459	56	36	47.1	2,890
Calendar year 1935	50,516	1,280	-	138	100,200
January	1,281	51	32	41.3	2,540
February	952	37	29	32.8	1,890
March	1,143	41	29	36.9	2,270
April	4,873	334	23	162	9,670
May	17,974	1,020	218	580	35,650
June	18,543	995	400	618	36,780
July	7,092	457	135	229	14,070
August	4,089	218	82	132	8,110
September	2,058	129	37	68.6	4,080
Water year 1935-36	62,725	1,020	23	171	124,400

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 1936.

Average discharge.- 26 years, 125 second-feet.

Extremes.- Maximum discharge during year, 777 second-feet May 31 (gage height, 3.24 feet); minimum occurred during winter.
1910-36: Maximum discharge observed, 1,180 second-feet June 2, 1914, June 14, 1924; maximum gage height observed, 4.35 feet June 2, 1914; minimum discharge, 7.4 second-feet Mar. 22, 1933 (discharge measurement).

Remarks.- Records excellent except those for period of ice effect, Nov. 13 to Apr. 13, computed on basis of five discharge measurements and weather records, and those computed for Aug. 2-5 and Sept. 20-25, which are fair. Practically no diversions above station that are not returned to river.

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

Oct. 1 to June 20				June 21 to Sept. 30			
1.0	25	2.2	238	1.4	55	2.2	208
1.2	45	2.4	306	1.6	82	2.4	284
1.4	72	2.6	386	1.8	114	2.6	378
1.6	103	2.8	484	2.0	156	2.9	540
1.8	139	3.0	600				
2.0	184	3.3	825				

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	64	43					14	207	745	368	255	124
2	58	40					20	210	692	321	250	124
3	57	39					15	235	582	298	255	122
4	53	39					14	299	518	259	245	118
5	53	35					14	357	468	246	275	109
6	53	34					18	414	423	242	298	104
7	50	33	*22				20	378	404	242	293	100
8	49	35					15	260	423	239	250	97
9	49	35					14	254	490	246	225	94
10	49	33					14	254	523	259	197	91
11	48	31					19	244	600	263	202	90
12	48	30		*25			22	254	607	302	293	96
13	48	30				*23	32	277	621	307	344	97
14	48	32			*24		41	333	621	259	312	96
15	48	34					43	404	600	228	246	94
16	45	32					59	512	582	228	218	86
17	45	30					80	564	570	225	218	82
18	44	30					93	564	552	218	225	81
19	40	32					110	570	552	225	218	78
20	44	32					131	635	512	239	211	76
21	48	30					147	663	467	218	202	74
22	49	27					156	649	450	205	191	72
23	48	25					174	600	450	191	173	70
24	44	25					202	576	445	170	158	68
25	43	26					227	576	445	156	149	66
26	40	28					218	656	484	154	143	65
27	39	26					221	670	506	152	132	65
28	44	24					224	678	439	149	128	65
29	44	22					218	656	418	161	126	65
30	45	20					216	692	413	183	124	67
31	44	-					-	761	-	208	124	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,481	64	39	47.8	2,940
November	932	43	20	31.1	1,850
December	651	-	-	21	1,290
Calendar year 1935	33,216	761	-	91.0	65,890
January	713	-	-	23	1,410
February	696	-	-	24	1,380
March	775	-	-	25	1,540
April	2,791	227	14	93.0	5,540
May	14,402	761	207	465	28,570
June	15,602	745	404	520	30,950
July	7,161	368	149	231	14,200
August	6,680	344	124	215	13,250
September	2,636	124	65	87.9	5,230
Water year 1935-36	54,520	761	-	149	108,200

*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 1936.

Average discharge.- 16 years, 73.8 second-feet.

Extremes.- Maximum discharge during year, 825 second-feet May 30 (gage height, 3.75 feet); minimum daily discharge, 7.5 second-feet Mar. 31, Apr. 4, 5, 9.
1910-19, 1929-36: Maximum discharge, 1,200 second-feet June 13, 1935 (gage height, 4.25 feet); minimum daily discharge, 3 second-feet Nov. 9, 1912.

Remarks.- Records excellent except those for periods of ice effect, Nov. 5, Nov. 12 to Dec. 8, Dec. 10, 12, 15-27, Feb. 4-14, 25, Mar. 9-14, 16, computed on basis of two discharge measurements, gage heights, and weather records, and those estimated for Sept. 20-25, which are fair. One diversion above station.

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

Oct. 1 to Mar. 13		Mar. 14 to Sept. 30			
1.1	6.5	1.1	5.9	2.2	100
1.2	9.5	1.2	8.5	2.4	138
1.4	18	1.4	16	2.6	192
1.6	29	1.6	26	2.9	310
		1.8	47	3.2	464
		2.0	72	3.5	650

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	15	10	11	10	13	7.7	93	601	270	136	68
2	14	12	11	10	9.5	14	10	89	486	238	134	58
3	24	12	11	11	9.2	14	7.7	120	426	212	136	57
4	16	14	11	10	9.0	11	7.5	178	410	195	131	49
5	15	14	12	9.2	9.0	11	7.5	230	363	186	175	46
6	14	14	12	9.2	9.5	10	9.2	246	339	175	199	43
7	14	14	13	12	10	9.5	11	199	394	166	178	39
8	14	14	13	10	9.5	9.9	7.7	146	464	163	158	36
9	14	14	12	9.9	10	9.5	7.5	116	492	180	153	29
10	14	12	13	11	10	9.0	7.7	111	532	166	134	29
11	14	18	9.9	10	10	8.5	9.2	113	538	219	129	36
12	14	19	11	11	12	7.8	11	129	574	238	178	30
13	13	18	9.5	11	11	7.8	16	169	601	180	178	28
14	13	17	11	11	11	8.0	19	238	615	158	138	25
15	13	18	9.0	11	9.9	8.2	23	344	568	150	114	23
16	13	17	9.5	11	10	10	26	384	556	146	113	22
17	13	16	10	11	12	9.6	48	379	550	146	118	19
18	12	16	11	9.9	9.5	8.2	87	379	556	180	111	17
19	13	17	12	9.5	9.5	10	99	405	520	175	111	16
20	13	17	11	9.9	9.9	12	102	459	464	156	116	16
21	13	16	11	9.9	10	8.0	97	464	432	148	108	15
22	14	15	10	9.9	13	8.2	110	415	486	131	97	15
23	12	14	9.5	9.9	14	8.0	110	421	421	118	89	15
24	14	14	10	11	13	9.6	111	442	405	113	82	14
25	14	15	11	10	12	8.0	118	538	421	106	76	14
26	14	16	10	9.9	13	8.0	108	608	415	100	69	13
27	13	15	9.5	12	14	8.5	103	594	389	97	69	13
28	14	13	8.9	9.5	12	7.7	99	538	353	125	68	14
29	14	12	8.6	9.5	12	7.7	103	562	339	113	64	14
30	13	11	9.2	11	-	7.7	94	636	310	113	63	15
31	13	-	10	8.6	-	7.5	-	650	-	110	68	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	432	24	12	13.9	857
November	449	19	11	15.0	891
December	329.6	13	8.6	10.6	654
Calendar year 1935	21,091.6	839	-	57.8	41,840
January	319.8	12	8.6	10.3	634
February	313.5	14	9.0	10.8	622
March	289.9	14	7.5	9.35	575
April	1,576.7	118	7.5	52.5	3,130
May	10,395	650	89	335	20,620
June	14,020	615	310	467	27,810
July	4,973	270	97	160	9,860
August	3,693	199	63	119	7,320
September	828	68	13	27.6	1,640
Water year 1935-36	37,619.5	650	7.5	103	74,610

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 1936.

Average discharge.- 16 years (1910-19, 1929-36), 132 second-feet.

Extremes.- Maximum discharge during year, 1,170 second-feet May 30 (gage height, 5.29 feet); minimum occurred during estimated period.
1910-19, 1930-36: 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 excellent except those for period of ice effect, Nov. 12 to Apr. 13, computed on basis of five discharge measurements and weather records, and those estimated for Sept. 20-25, which are fair. Small diversions for irrigation above station. No regulation.

Rating table, water year 1935-36, except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 14 to Sept. 30)

2.5	21	3.3	136	4.4	618
2.7	37	3.4	168	4.6	732
2.9	60	3.6	242	4.8	854
3.0	74	3.8	324	4.9	916
3.1	90	4.0	414		
3.2	110	4.2	512		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	53	45					16	262	786	303	258	88
2	50	44					20	278	663	270	186	74
3	48	42					16	405	564	262	186	74
4	48	45					15	533	533	238	155	67
5	48	42					15	640	472	219	162	61
6	47	44					18	635	428	204	197	59
7	45	40	*24				22	452	487	193	158	56
8	45	42					20	350	607	193	133	54
9	44	39					18	282	635	219	123	50
10	42	40					20	258	668	227	126	49
11	42	38					26	311	646	282	179	63
12	42	37		*23			33	438	640	359	175	55
13	44	36				*26	48	538	613	274	208	54
14	42	34			*22		61	663	613	215	146	50
15	42	36					55	823	586	193	126	48
16	41	34					67	854	591	190	115	45
17	42	32					106	817	548	186	131	45
18	41	32					158	762	522	212	123	44
19	44	34					190	842	502	227	123	44
20	46	34					212	904	452	190	149	44
21	44	32					200	835	419	182	120	43
22	42	30					242	774	438	162	108	43
23	45	28					274	774	424	139	94	43
24	44	28					270	774	400	128	85	42
25	48	30					295	873	396	131	82	42
26	46	32					295	879	487	149	77	42
27	45	30					303	823	405	128	76	42
28	45	26					282	798	382	158	74	46
29	47	24					307	835	373	149	71	46
30	45	22					278	916	346	155	73	46
31	46	-					-	897	-	158	77	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,393	53	41	44.9	2,760
November	1,052	45	22	35.1	2,090
December	620	-	-	20	1,230
Calendar year 1935	36,570	1,010	-	100	72,540
January	651	-	-	21	1,290
February	638	-	-	22	1,270
March	837	-	-	27	1,660
April	3,882	307	15	129	7,700
May	20,225	916	262	652	40,120
June	15,626	786	346	521	30,990
July	6,295	359	128	203	12,490
August	4,096	258	71	132	8,120
September	1,559	88	42	52.0	3,090
Water year 1935-36	56,874	916	-	155	112,800

*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, three-quarters of a mile above mouth of Hunter Creek.
Drainage area.- 109 square miles.
Records available.- January 1911 to September 1921, January 1934 to September 1936 in reports of U. S. Geological Survey; January 1911 to September 1921, April 1932 to September 1936 in reports of State engineer. Prior to Feb. 24, 1915, station half a mile upstream from present site; Feb. 24, 1915, to Oct. 5, 1935, station a quarter of a mile downstream from present site; records comparable.
Average discharge.- 14 years, 172 second-feet (including flow through Twin Lakes Tunnel).
Extremes.- Maximum discharge during year, 1,030 second-feet May 28 (gage height, 4.29 feet); minimum daily discharge, 17 second-feet Mar. 24.
1911-21, 1933-36: Maximum discharge, 3,170 second-feet June 18, 1917 (gage height, 7.2 feet, former site and datum from high-water marks); minimum daily discharge, 15 second-feet July 15, 16, 1934.
Remarks.- Records excellent except those for periods of ice effect, Dec. 1-5, 10, Dec. 14 to Feb. 16, which are good and were computed on basis of one discharge measurement, gage heights, and weather records, and those for July 6-11, Aug. 8-15, 18-29, Sept. 6-14, which are good and were computed on basis of records for station at Glenwood Springs. The Twin Lakes Transmountain Tunnel divert[s] water 15 miles above station to Lake Creek, a tributary of Arkansas River. The combined flow of this diversion and Roaring Fork is comparable with records at this station prior to May 24, 1935.

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

Oct. 6 to May 11				May 12 to Sept. 30					
1.2	13	2.0	89	1.5	34	2.4	175	3.4	539
1.3	18	2.2	124	1.7	56	2.6	223	3.6	641
1.5	30	2.4	164	1.9	83	2.8	282	3.8	750
1.7	48	2.6	217	2.0	98	3.0	359	4.0	860
1.9	74	2.8	282	3.2	134	3.2	445	4.3	1,040

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	38	23	21	22	25	19	220	827	193	115	79
2	53	36	21	21	22	23	22	223	579	171	123	55
3	46	38	20	21	21	23	19	339	445	169	117	51
4	44	41	21	21	20	23	20	505	388	154	95	49
5	42	36	22	21	21	22	20	599	347	158	90	50
6	35	33	22	22	22	23	19	589	312	150	124	48
7	36	29	21	20	22	22	20	397	410	145	98	44
8	36	27	20	20	22	22	20	293	569	140	92	42
9	36	28	20	21	22	23	24	245	631	134	80	38
10	37	29	19	20	22	24	25	217	641	132	82	40
11	39	25	22	20	22	20	28	232	620	146	83	48
12	39	26	25	21	22	21	36	335	529	150	76	46
13	39	28	21	21	22	22	50	432	605	126	70	44
14	40	26	20	22	22	22	71	599	569	108	66	42
15	42	25	19	22	22	20	89	750	505	108	60	38
16	42	25	19	22	22	18	122	838	520	106	57	36
17	39	25	20	22	21	20	143	772	486	96	54	32
18	42	25	22	22	20	20	160	750	477	89	54	31
19	38	25	22	21	21	19	166	761	450	92	58	33
20	34	22	22	23	22	19	206	832	401	110	68	42
21	36	22	23	23	23	21	214	827	367	90	68	41
22	29	25	22	22	24	21	251	766	363	83	66	39
23	29	23	21	22	24	21	282	750	351	64	62	38
24	36	23	21	22	21	17	262	712	335	57	54	37
25	32	22	21	22	23	19	282	838	300	52	50	34
26	32	22	21	22	25	19	272	914	380	52	46	32
27	35	23	21	22	26	18	289	860	297	55	42	36
28	37	25	21	22	25	19	275	794	245	62	42	43
29	34	23	21	22	24	19	279	816	247	65	40	42
30	35	26	21	22	-	19	232	896	226	79	45	46
31	39	-	21	21	-	20	-	844	-	110	51	-

Month	Observed					Diversion by Twin Lakes Tunnel (acre-feet)	Corrected for diversion	
	Second-foot-days	Discharge in second-feet			Run-off in acre-feet		Run-off in acre-feet	Mean (second-feet)
		Maximum	Minimum	Mean				
October	1,191	58	29	38.4	2,360	511	2,870	46.7
November	819	41	22	27.3	1,620	163	1,780	29.9
December	655	25	19	21.1	1,300	149	1,450	23.6
Calendar year 1935	40,169	1,200	19	110	79,670	19,030	98,700	136
January	666	23	20	21.5	1,320	290	1,610	26.2
February	646	25	20	22.3	1,280	153	1,430	24.9
March	644	25	17	20.8	1,280	125	1,400	22.8
April	3,917	289	19	131	7,770	1,060	8,830	148
May	18,995	914	217	613	37,680	9,310	46,990	764
June	13,482	827	226	449	26,740	7,840	34,580	581
July	3,456	193	52	111	6,850	2,810	9,660	157
August	2,228	124	40	71.9	4,420	1,820	6,240	101
September	1,276	79	31	42.5	2,530	0	2,530	42.5
Water year 1935-36	47,975	914	17	131	95,150	24,230	119,400	164

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 at Glenwood Springs. Zero of gage is 5,720.73 feet above sea level.

Drainage area.- 1,460 square miles.

Records available.- April 1906 to September 1909, September 1910 to September 1931, October 1933 to September 1936 in reports of U. S. Geological Survey; April 1906 to September 1909, September 1910 to September 1936 in reports of State engineer.

Average discharge.- 29 years, 1,541 second-feet.

Extremes.- Maximum discharge during year, 8,610 second-feet May 30 (gage height, 5.84 feet); minimum discharge, 273 second-feet Jan. 19 (gage height, 0.76 foot); minimum daily discharge, 310 second-feet Jan. 19, Apr. 2, 6.
1906-9, 1910-36: Maximum discharge, 17,600 second-feet June 14, 1918 and June 14, 1921; minimum, 145 second-feet Jan. 21, 1935 (gage height, 0.65 foot); minimum daily discharge, 179 second-feet Jan. 21, 1935.

Remarks.- Records good. Diversions for irrigation above station. See records for Roaring Fork at Aspen, Colo.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	810	528	388	402	408	336	342	2,550	7,560	2,390	1,250	846
2	792	544	395	388	388	336	310	2,420	5,510	2,080	1,350	774
3	757	536	395	429	362	349	336	3,060	4,180	2,030	1,480	731
4	740	544	402	402	323	362	330	4,340	3,600	1,930	1,360	722
5	714	485	402	449	342	362	336	5,310	3,290	1,850	1,150	697
6	688	499	402	436	375	362	310	5,960	2,940	1,790	1,360	680
7	663	514	402	375	408	375	330	4,510	3,140	1,660	1,250	672
8	647	506	395	415	336	362	356	3,530	4,440	1,610	1,080	639
9	639	506	395	415	356	368	375	2,940	5,240	1,580	1,020	614
10	631	521	362	456	368	402	382	2,660	5,490	1,510	1,040	598
11	622	506	408	408	395	356	449	2,690	5,600	1,820	1,040	731
12	606	435	402	408	368	356	544	3,320	5,400	1,940	1,100	740
13	598	506	436	375	356	375	748	4,220	5,800	1,620	1,020	722
14	590	506	422	402	349	368	960	4,850	5,820	1,450	970	697
15	575	492	362	402	349	368	1,180	5,940	5,310	1,400	912	655
16	575	470	349	395	342	342	1,520	7,090	5,290	1,400	846	622
17	590	485	342	388	336	356	1,810	7,380	5,090	1,450	837	598
18	590	492	368	336	330	368	2,190	6,480	4,870	1,490	846	631
19	575	492	395	310	342	356	2,160	6,480	4,830	1,370	846	655
20	575	463	442	415	336	342	2,320	7,200	4,340	1,370	1,000	639
21	590	456	463	463	336	362	2,600	7,260	4,100	1,250	1,030	622
22	583	449	470	395	336	375	2,920	6,700	4,100	1,150	941	614
23	551	463	492	408	368	375	3,250	6,730	3,860	1,050	864	598
24	567	449	514	415	356	349	3,050	6,440	3,670	990	819	567
25	559	463	499	422	317	362	3,140	7,180	3,370	931	765	544
26	559	456	492	395	330	342	3,140	7,630	3,790	950	731	551
27	559	442	492	362	330	336	3,270	7,630	3,400	950	680	606
28	551	449	492	382	330	336	3,050	7,280	3,160	1,010	663	598
29	544	422	436	375	330	330	3,170	6,980	3,110	1,010	647	606
30	544	408	395	323	-	342	2,840	7,740	2,840	1,180	647	631
31	544	-	402	323	-	356	-	7,500	-	1,240	697	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	19,128	810	544	617	37,940
November	14,537	544	408	485	28,830
December	13,011	514	342	420	25,810
Calendar year 1935	466,059	10,800	179	1,277	924,500
January	12,269	463	310	396	24,340
February	10,202	408	317	352	20,240
March	11,066	402	330	357	21,950
April	47,718	3,270	310	1,591	94,650
May	171,990	7,740	2,420	5,548	341,100
June	133,140	7,560	2,840	4,438	264,100
July	45,451	2,390	931	1,466	90,150
August	30,241	1,480	647	976	59,980
September	19,600	846	544	653	38,880
Water year 1935-36	528,353	7,740	310	1,444	1,048,000

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 1935 to September 1936.

Extremes.- Maximum discharge during year, 198 second-feet May 4 (gage height, 3.10 feet); no flow Aug. 17 to Sept. 30.
1935-36: Maximum discharge, 207 second-feet May 26, 1935; maximum gage height, that May 4, 1936; no flow Sept. 16-24, 1935, Aug. 17 to Sept. 30, 1936.

Remarks.- Records good except those estimated for Nov. 12-30 and Apr. 1-16, which are fair. No records Dec. 1 to Mar. 31. No diversions above station.

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

Oct. 1 to Nov. 11

0.3	0.2
.4	.4
.5	.7

Apr. 17 to Sept. 30

0.1	0	1.1	18
.2	.1	1.2	22
.3	.3	1.5	37
.4	1.2	1.6	43
.5	2.6	1.7	50
.6	4.2	1.8	58
.7	6.4	2.0	76
.8	9.0	2.5	126

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.4	0.5						53	14	3.1	0.4	
2	.4	.6						69	16	1.9	1.0	
3	.4	.6						102	15	1.3	.5	
4	.3	.5						123	14	1.3	.4	
5	.4	.6						126	13	1.2	.3	
							1					
6	.4	.7						91	13	.8	.4	
7	.3	.6						62	11	.6	.4	
8	.4	.5						49	9.0	.6	.3	
9	.3	.6						46	8.7	.4	.2	
10	.3	.5						49	8.2	.5	.2	
11	.3	.5					6	58	6.9	2.3	.2	
12	.3	.5					11	64	6.4	2.6	.2	
13	.3	.5					15	61	6.2	1.6	.3	
14	.3	.5					18	56	5.1	1.1	.2	
15	.3	.6					26	52	4.4	.6	.2	
16	.4	.6					29	55	4.9	.5	.1	
17	.4	.6					31	49	4.0	.8	0	
18	.5	.7					28	42	3.6	2.0	0	
19	.6	.6					24	40	2.9	.8	0	
20	.5	.5					33	36	2.8	.3	0	
21	.5	.5					42	33	2.6	.2	0	
22	.5	.5					51	29	2.3	.2	0	
23	.5	.5					52	26	2.6	.1	0	
24	.4	.6					52	19	2.6	.1	0	
25	.5	.6					61	22	2.3	.2	0	
26	.6	.5					66	21	2.2	.1	0	
27	.6	.5					63	20	2.2	.1	0	
28	.6	.5					67	18	2.2	.2	0	
29	.5	.6					71	16	2.3	.2	0	
30	.5	.6					58	15	2.8	.1	0	
31	.5	-					-	15	-	.1	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13.1	0.6	0.3	0.42	26
November	16.8	.7	.5	.56	33
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	814	71	-	27.1	1,610
May	1,517	126	15	48.9	3,010
June	193.2	16	2.2	6.44	383
July	26.1	3.1	.1	.84	52
August	5.3	1.0	0	.17	11
September	0	0	0	0	0
Water year					

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., 4 miles above mouth of Carr Creek and 4 miles west of Highmore (Carr Creek school).

Records available.- May 1935 to September 1936.

Extremes.- Maximum discharge during year, 47 second-feet June 26 (gage height, 1.37 feet); no flow Aug. 17, 24, 27-29, Sept. 7, 8, 10-30.
1935-36: Maximum discharge, 120 second-feet May 26, 1935 (gage height, 1.92 feet); no flow Aug. 17, 24, 27-29, Sept. 7, 8, 10-30, 1936.

Remarks.- Records fair. No record Oct. 1, Oct. 3 to Mar. 8. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						-	2.7	18	6.7	8.1	0.8	0.1
2	*0.5					-	2.5	18	4.6	6.7	.6	.2
3						-	2.7	17	3.6	5.1	.5	.1
4						-	2.9	16	3.6	5.1	.4	.1
5						-	2.9	15	4.3	3.4	.5	.1
6						-	2.0	16	4.3	2.3	.5	.1
7						-	2.3	16	3.8	2.5	.4	0
8						-	2.9	16	3.1	2.3	.6	0
9						7.6	3.1	16	3.1	1.8	.4	.1
10						12	4.1	15	2.9	2.9	.2	0
11						7.6	5.9	14	4.1	5.6	.2	0
12						7.3	5.4	14	4.1	4.1	.2	0
13						5.1	5.4	11	4.1	2.5	.2	0
14						3.1	4.8	9.3	3.1	1.4	.1	0
15						1.5	5.4	9.0	2.5	1.0	.1	0
16						1.5	5.6	9.0	2.0	.7	.1	0
17						1.4	5.4	8.4	2.9	.6	0	0
18						1.5	7.0	7.8	2.3	.6	.1	0
19						1.8	7.8	7.8	1.8	.4	.1	0
20						2.0	9.0	7.6	2.0	.4	.1	0
21						2.3	11	7.3	1.6	.5	.1	0
22						2.3	13	7.0	1.6	.5	.1	0
23						2.5	16	7.0	2.0	.4	.1	0
24						2.7	17	7.0	2.0	.3	0	0
25						3.1	18	7.3	1.6	.6	.1	0
26						2.7	18	8.1	11	.4	.1	0
27						2.5	18	10	8.4	.3	0	0
28						2.5	18	5.9	3.4	.4	0	0
29						1.8	18	5.6	5.1	1.1	0	0
30						1.6	18	4.8	7.6	.9	.1	0
31						2.0	-	6.1	-	.8	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 9-31	78.4	12	1.4	3.41	156
April	254.8	18	2.0	8.49	505
May	337.0	18	4.8	10.9	668
June	113.2	11	1.6	3.77	225
July	63.7	8.1	.3	2.05	126
August	6.8	.8	0	.22	13
September	.8	.2	0	.03	1.6
The period					1,690

*Discharge measurement.

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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., 8 miles above mouth and 7½ miles northwest of Highmore (Carr Creek school).

Records available.- May 1935 to September 1936.

Extremes.- Maximum discharge during year, 52 second-feet Apr. 25 (gage height, 1.28 feet); no flow Aug. 27-29.
1935-36: Maximum discharge, 143 second-feet May 26, 1935 (gage height, 1.90 feet); no flow Aug. 27-29, 1936.

Remarks.- Records fair. Discharge for period of ice effect, Jan. 14 to Mar. 1, computed on basis of weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.7	0.3	0.1	0.2		0.1	0.8	38	3.8	1.0	0.7	0.5
2	1.7	.2	.1	.2		.1	.8	32	5.2	.9	.6	.5
3	1.6	.2	.1	.2		.1	.8	22	4.1	.9	.6	.4
4	1.5	.1	.1	.2		.6	.8	18	2.4	1.2	.6	.4
5	1.6	.1	.2	.2		.6	.8	18	3.1	1.0	.8	.5
6	1.7	.2	.2	.1		.6	.6	19	7.4	.8	.6	.4
7	1.6	.6	.2	.1		.7	.6	18	8.9	.8	.4	.4
8	2.0	.6	.2	.2		.6	.8	14	7.9	.8	.4	.4
9	2.2	.8	.1	.2		.6	.8	13	7.4	.7	.5	.4
10	2.0	.9	.2	.2		.7	.8	11	5.5	.8	.6	.4
11	2.2	1.0	.2	.2		.8	.8	10	3.8	1.5	.7	.4
12	2.4	1.2	.2	.2		.8	.8	10	2.7	1.2	.9	.4
13	2.4	1.1	.2	.2		.8	.6	9.4	1.9	1.1	.8	.4
14	2.4	1.5	.2	.2		.9	.6	8.9	2.2	1.0	.6	.4
15	2.6	2.9	.2	.2		.8	.6	8.9	1.7	1.0	.7	.4
16	3.4	2.4	.1	.2		.8	.6	8.4	1.5	.8	.8	.5
17	2.6	2.4	.2	.1		.8	.7	6.9	1.7	.6	.8	.6
18	2.2	2.4	.2	.1		.7	.8	11	1.5	.6	.8	.5
19	3.4	2.6	.2	.1		.6	.7	12	1.5	.6	.8	.5
20	3.4	2.8	.2	.1		.0	.6	13	1.4	.7	.8	.4
21	4.1	2.7	.2	.2		.6	1.1	13	1.4	.4	.8	.4
22	3.1	2.7	.2	.2		.6	8.4	14	1.5	.4	.7	.5
23	3.4	2.4	.2	.1		.6	27	13	1.5	.3	.4	.6
24	1.5	1.6	.2	.1		.6	45	12	1.5	.3	.4	.6
25	.9	.2	.2	.1		.8	51	13	1.4	.4	.3	.6
26	.9	.2	.2	.2		.8	50	14	1.5	.6	.1	.6
27	.8	.1	.2	.2		.8	41	10	1.2	.6	0	.6
28	.7	.1	.2	.2		.8	41	3.4	1.1	.6	0	.6
29	.6	.1	.2	.2		.6	41	3.8	1.0	.8	0	.7
30	.7	.2	.1	.2		.6	40	5.5	1.0	.7	.1	.8
31	.5	-	.1	.1		.6	-	5.2	-	.6	.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	61.7	4.1	0.5	1.99	122
November	34.4	2.9	.1	1.15	68
December	5.4	.2	.1	.17	11
Calendar year					
January	5.2	.2	.1	.17	10
February	5.0	-	-	.17	9.9
March	19.7	.9	.1	.64	39
April	359.9	51	.6	12.0	714
May	408.4	38	3.4	13.2	810
June	88.7	8.9	1.0	2.96	176
July	23.7	1.5	.3	.76	47
August	16.9	.9	0	.55	34
September	14.8	.8	.4	.49	29
Water year 1935-36	1,043.8	51	0	2.85	2,070

Plateau Creek near Collbran, Colo.

Location.- Water-stage recorder, lat. 39°15', long. 107°50', in NW¼ sec. 24, T. 9 S., R. 94 W., 7 miles east of Collbran.

Drainage area.- 88 square miles.

Records available.- August 1921 to September 1927 (monthly discharge), October 1933 to September 1936 in reports of U. S. Geological Survey; August 1921 to September 1936 in reports of State engineer.

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

Extremes.- Maximum discharge during year, 1,150 second-feet May 17 (gage height, 3.96 feet); minimum daily discharge, 6.5 second-feet Sept. 25.
1921-36: Maximum discharge, 2,800 second-feet May 28, 1922 (gage height, 6.72 feet, former datum); minimum daily discharge, 3 second-feet Sept. 21, 1926.

Remarks.- Records excellent except those for periods of ice effect, Nov. 4, 6, 20-22, Nov. 29 to Feb. 29, Mar. 8, 9, 17, 18, Apr. 6, 7, computed on basis of three discharge measurements and weather records and those for Oct. 1-21, which are fair. Five small diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	17				14	15	206	209	28	15	17
2	13	15				13	20	220	181	24	17	11
3	14	15				13	16	398	211	21	21	18
4	16	15				13	15	644	211	19	21	18
5	15	14				13	15	806	166	19	19	10
6	13	14				14	15	644	137	17	70	9.2
7	12	15				15	16	324	130	16	49	8.2
8	11	17				15	17	220	151	19	30	8.2
9	11	17				16	17	186	158	20	30	7.5
10	10	16				14	18	209	151	19	22	8.9
11	10	15				14	23	303	144	37	20	29
12	10	17				13	30	471	139	35	20	16
13	10	16				15	47	543	134	18	21	26
14	10	16				17	69	611	123	16	15	19
15	11	15				14	98	698	123	14	13	13
16	11	15				14	139	710	128	26	9.2	11
17	12	15				14	166	866	94	30	8.6	10
18	10	14				14	186	746	78	24	21	10
19	10	14		*13		14	179	734	69	22	14	11
20	12	13				15	171	722	60	21	23	9.2
21	12	13			*11	15	203	543	52	22	24	8.9
22	11	14				15	237	471	47	19	16	8.6
23	13	15				15	271	412	52	17	11	8.2
24	15	15				16	224	368	48	16	8.6	7.2
25	15	13				15	230	288	39	17	11	6.5
26	16	13				15	267	254	35	20	9.6	7.8
27	15	15				15	308	267	29	24	8.9	11
28	14	15				14	308	230	30	19	8.6	11
29	15	14				14	329	206	52	29	8.2	9.6
30	14	13				14	254	206	33	41	9.2	9.2
31	15	-				14	-	234	-	21	12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	391	16	10	12.6	776
November	445	17	13	14.8	883
December	403	-	-	13	799
Calendar year 1935	28,072	788	-	76.9	55,680
January	434	-	-	14	861
February	348	-	-	12	690
March	446	17	13	14.4	885
April	3,903	329	15	130	7,740
May	13,730	866	186	443	27,230
June	3,214	211	29	107	6,370
July	690	41	14	22.3	1,370
August	585.9	70	6.2	18.9	1,160
September	358.2	29	6.5	11.9	710
Water year 1935-36	24,948.1	866	6.5	68.2	49,470

*Discharge measurement.

Plateau Creek near Cameo, Colo.

Location.- Water-stage recorder, lat. 39°11', long. 108°16', in SW¼ sec. 18, T. 10 S., R. 97 W., 1.1 miles above mouth and 4 miles northeast of Cameo.

Drainage area.- 604 square miles.

Records available.- April to September 1936.

Extremes.- Maximum discharge during period, 1,540 second-feet May 6 (gage height, 4.40 feet) from rating curve extended above 800 second-feet; minimum daily discharge, 19 second-feet July 24.

Remarks.- Records good. Numerous diversions for irrigation above station.

Rating table, Apr. 26 to Sept. 30, 1936 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used July 6 to Aug. 25)

1.2	15	2.4	262
1.4	33	2.6	340
1.6	64	3.0	542
1.8	101	3.5	856
2.0	145	4.0	1,220
2.2	194	4.4	1,540

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	513	358	46	29	44
2							-	490	285	46	32	39
3							-	707	266	40	29	39
4							-	1,070	332	36	27	36
5							-	1,340	270	29	39	34
6							-	1,300	226	25	59	34
7							-	707	189	25	75	33
8							-	530	189	20	59	32
9							-	413	210	20	59	32
10							-	437	200	20	43	32
11							-	525	181	26	36	39
12							-	701	171	62	31	34
13							-	784	163	41	47	34
14							-	816	152	34	34	36
15							-	897	145	25	31	32
16							-	1,080	161	28	31	32
17							-	1,070	129	27	26	28
18							-	1,000	105	59	31	28
19							-	830	90	32	26	28
20							-	870	77	29	26	28
21							-	836	66	26	34	28
22							-	608	62	23	39	28
23							-	536	59	21	28	27
24							-	479	59	19	27	27
25							-	427	50	21	26	27
26							714	375	49	20	26	28
27							676	349	47	20	26	41
28							683	300	39	20	26	41
29							771	285	43	23	26	41
30							664	277	61	36	33	39
31							-	308	-	37	61	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 26-30	3,506	771	664	702	6,960
May	20,860	1,340	277	673	41,380
June	4,437	358	39	148	8,800
July	936	62	19	30.2	1,860
August	1,122	75	26	36.2	2,230
September	1,001	44	27	33.4	1,990
The period					63,220

Buzzard Creek near Heiberger, Colo.

Location.- Water-stage recorder, lat. 39°17', long. 107°43', in NE¼ sec. 11, T. 9 S., R. 93 W., 1.1 miles below Hightower ranger station and 3 miles east of Heiberger.

Drainage area.- 76.5 square miles.

Records available.- April to September 1936.

Extremes.- Maximum discharge during period not determined; no flow July 20, 21, 23-30, Aug. 27 to Sept. 30.

Remarks.- Records good. Discharge for May 1-12, 26, May 28 to June 2, June 4-8, 11-15 computed on basis of records for station near Collbran. One diversion to West Divide Creek for irrigation above station.

Rating table, Apr. 29 to Sept. 30, 1936 (gage height, in feet, and discharge, in second-feet) (Shifting-control method used Apr. 29 to June 3)

-0.2	0	.7	20
- .1	.3	.9	32
0	.9	1.1	49
.1	1.8	1.3	70
.2	3.1	1.5	98
.3	5.3	1.7	132
.4	8.2	1.9	179
.5	12	2.2	268

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	185	82	7.0	0.8	
2							-	180	70	4.6	.7	
3							-	250	71	2.8	5.6	
4							-	300	70	2.6	5.9	
5							-	340	55	2.6	3.5	
6							-	320	45	1.8	18	
7							-	210	38	1.8	14	
8							-	175	34	1.2	5.6	
9							-	155	36	1.3	2.7	
10							-	175	30	1.2	1.9	
11							-	190	29	3.0	1.9	
12							-	200	26	11	3.3	
13							-	196	25	7.3	3.5	
14							-	191	23	4.2	2.4	
15							-	205	22	2.6	1.2	
16							-	250	20	1.7	.8	
17							-	235	16	1.5	.8	
18							-	205	13	1.3	.5	
19							-	199	11	.5	.7	
20							-	199	7.6	0	1.4	
21							-	171	6.2	0	2.2	
22							-	145	5.3	.1	3.5	
23							-	125	4.6	0	1.4	
24							-	114	4.9	0	.7	
25							-	111	5.6	0	.3	
26							-	106	5.3	0	.1	
27							-	101	3.8	0	0	
28							-	78	4.0	0	0	
29							226	65	10	0	0	
30							217	58	12	0	0	
31							-	95	-	.2	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	5,529	340	58	178	10,970
June	785.3	82	3.8	26.2	1,560
July	61.1	11	0	1.97	121
August	83.4	18	0	2.69	165
September	0	0	0	0	0
The period					12,820

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.- August 1921 to September 1927 (monthly discharge), October 1933 to September 1936 in reports of U. S. Geological Survey; August 1921 to September 1936 in reports of State engineer.

Average discharge.- 15 years, 56.3 second-feet.

Extremes.- Maximum discharge during year, 476 second-feet May 5 (gage height, 5.00 feet); minimum daily discharge, 0.6 second-foot July 25, Aug. 24-28, Sept. 6-9, 17-25.
1921-36: Maximum discharge, 1,270 second-feet May 8, 1922 (erroneous date previously published)(gage height, 7.8 feet); minimum, 0.1 second-foot Aug. 27, 1934 (gage height, 0.78 foot).

Remarks.- Records fair October to March, good April to September. Discharge for periods of ice affect, Nov. 5 to Mar. 4, Mar. 17, 18 computed on basis of two discharge measurements and weather records and for July 7-11, Sept. 20-23 on basis of records for station near Heiberger. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.9	3.5				5	7.2	196	85	12	0.7	0.8
2	3.5	3.5				6	7.2	191	72	7.0	.7	.7
3	2.5	3.9				8	6.3	271	74	5.6	4.5	.8
4	1.5	4.1				10	6.5	327	73	5.4	9.2	.8
5	1.3	4.0				11	4.9	372	57	4.1	5.4	.7
6	.8					11	3.5	352	48	4.1	4.5	.6
7	.8					9.5	5.4	229	41	4.1	15	.6
8	1.1					9.2	14	197	34	4.5	8.0	.6
9	1.8					9.2	20	176	35	4.7	4.1	.6
10	2.2					9.5	25	197	34	4.5	2.9	.8
11	2.3					9.5	47	202	31	6.0	2.7	1.3
12	2.5					11	76	222	28	10	1.8	1.6
13	2.5					11	104	218	27	11	1.5	1.6
14	2.5					10	130	210	25	6.7	1.8	1.5
15	2.5					12	182	219	25	4.9	1.6	1.8
16	2.7					12	213	251	23	3.5	1.5	.7
17	2.5					13	230	235	19	3.5	1.3	.6
18	2.5	4.0		*4.2		14	206	211	16	2.9	1.0	.6
19	2.3					16	168	196	14	2.3	1.3	.6
20	2.5					15	190	203	14	1.6	1.5	.6
21	2.2				*3.2	16	216	179	12	1.6	1.5	.6
22	2.0					17	267	154	10	.8	1.1	.6
23	2.0					13	313	137	9.0	.7	1.0	.6
24	2.2					14	262	126	7.4	.7	.6	.6
25	2.5					11	254	118	6.7	.6	.6	.6
26	2.9					6.7	274	104	8.4	.7	.6	1.0
27	3.1					5.6	271	90	7.7	.7	.6	2.2
28	3.3					5.6	254	78	7.7	.7	.6	2.5
29	3.5					7.2	269	66	9.0	1.0	.7	2.5
30	3.9					9.5	229	61	13	.8	.7	2.0
31	3.7	-				7.7	-	98	-	.7	.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	76.5	4.9	0.8	2.47	152
November	119.0	-	-	3.97	236
December	114.7	-	-	3.7	228
Calendar year 1935	13,932.4	379	-	38.2	27,640
January	124	-	-	4.0	246
February	101.5	-	-	3.5	201
March	325.2	17	5	10.5	645
April	4,255.0	313	3.5	142	8,440
May	5,886	372	61	190	11,670
June	865.9	85	6.7	28.9	1,720
July	117.4	12	.6	3.79	233
August	79.8	15	.6	2.57	158
September	31.1	2.5	.6	1.04	62
Water year 1935-36	12,096.1	372	.6	33.0	23,990

*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 1936 in reports of U. S. Geological Survey; July 1910 to September 1936 in reports of State engineer.

Average discharge.- 26 years, 374 second-feet.

Extremes.- Maximum discharge during year, 2,020 second-feet May 26 (gage height, 4.28 feet); minimum daily discharge, 76 second-feet Dec. 31.
1910-36: 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 for periods of ice effect, Dec. 17-27, Jan. 13, 14, Jan. 18 to Feb. 16, Feb. 18 to Mar. 5, computed on basis of two discharge measurements, gage heights, and weather records. Diversions from tributaries for irrigation above station (erroneous statement previously published).

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	169	148	91	78	97	90	104	795	1,750	569	459	304
2	163	182	89	100	102	92	104	879	1,470	531	425	269
3	160	163	93	87	102	96	111	1,150	1,210	494	448	265
4	148	169	107	104	96	98	111	1,420	1,060	488	488	261
5	145	124	114	107	88	100	111	1,610	981	477	537	240
6	142	163	114	78	88	102	104	1,590	918	453	825	229
7	151	163	114	98	94	104	107	1,220	950	431	576	221
8	163	148	107	109	84	107	116	989	1,170	431	494	199
9	160	145	100	114	78	109	116	840	1,270	414	482	186
10	160	157	93	102	85	104	114	802	1,300	420	448	182
11	160	132	100	93	93	104	129	910	1,300	465	465	257
12	163	132	114	85	92	100	157	1,160	1,220	525	404	214
13	160	142	119	105	91	104	203	1,400	1,220	448	382	192
14	180	151	121	110	90	107	261	1,480	1,210	387	357	186
15	163	137	100	102	90	104	357	1,650	1,120	393	327	172
16	160	126	104	93	88	98	488	1,830	1,130	404	309	166
17	159	134	90	91	87	98	622	1,760	1,050	404	295	163
18	163	151	82	92	85	104	765	1,750	989	404	304	163
19	175	134	80	97	85	104	825	1,730	958	382	323	166
20	199	124	82	115	84	107	887	1,790	902	393	347	169
21	199	121	84	113	84	111	1,120	1,810	879	372	367	166
22	192	116	85	112	82	111	1,170	1,700	825	367	323	172
23	192	126	86	112	87	109	1,230	1,680	848	332	278	169
24	199	119	88	104	84	104	1,090	1,590	825	309	261	163
25	199	124	85	98	82	107	1,120	1,810	772	286	248	163
26	196	129	84	100	82	102	1,140	1,940	780	291	240	163
27	203	114	85	104	84	102	1,100	1,860	887	291	236	169
28	196	114	85	106	86	109	997	1,670	743	332	248	189
29	179	95	98	105	88	107	926	1,620	707	414	269	189
30	172	91	82	102	-	104	788	1,800	643	459	291	192
31	166	-	76	96	-	111	-	1,790	-	525	291	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,326	203	142	172	10,560
November	4,074	182	91	136	8,080
December	2,952	121	76	95.2	5,860
Calendar year 1935	113,120	2,080		310	224,400
January	3,112	115	78	100	6,170
February	2,558	102	78	88.2	5,070
March	3,209	111	90	104	6,360
April	16,473	1,230	104	549	32,670
May	46,025	1,940	795	1,485	91,290
June	31,087	1,750	643	1,036	61,660
July	12,891	569	286	416	25,570
August	11,747	825	236	379	23,300
September	5,939	304	163	198	11,780
Water year 1935-36	145,393	1,940	76	397	288,400

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, 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 1936, 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 1936 in reports of State engineer.

Average discharge (river and canal).- 16 years (1917-30, 1933-36), 2,906 second-feet.

Extremes.- Combined flow: Maximum discharge, 15,300 second-feet May 7; minimum daily discharge, 420 second-feet Apr. 5.
1917-30, 1933-36: Maximum discharge, 35,700 second-feet May 23, 1920 (gage height, 14.95 feet); minimum daily discharge, 106 second-feet July 20, 1934.

Remarks.- Records good. Discharge of river for period Dec. 28 to Feb. 10 computed on basis of gage heights, one discharge measurement, and weather records. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,550	1,160	841	805	694	763	925	9,270	9,240	2,620	1,100	1,390
2	1,450	1,100	821	805	734	767	914	8,220	8,740	2,230	1,400	1,740
3	1,300	1,080	801	821	798	791	788	8,020	7,500	1,880	1,260	1,400
4	1,260	1,120	837	825	841	795	670	10,300	6,030	1,580	1,360	1,410
5	1,170	1,130	841	825	823	830	420	13,000	5,090	1,340	1,680	1,300
6	1,120	1,090	895	822	710	852	450	14,400	4,440	1,250	2,050	1,280
7	1,070	1,020	971	814	793	868	594	14,700	4,580	1,130	2,730	1,200
8	999	1,060	996	806	779	886	708	12,200	4,670	1,010	2,500	1,070
9	944	1,080	946	798	852	898	665	9,330	5,460	911	2,200	961
10	909	1,060	913	790	816	907	790	7,380	6,210	869	1,960	893
11	877	1,090	852	803	816	947	1,120	6,860	6,480	1,230	1,750	878
12	854	1,110	790	819	834	919	1,490	7,220	6,450	1,470	1,570	863
13	859	1,050	834	823	879	891	1,880	8,540	6,250	1,820	1,360	968
14	847	1,020	873	828	798	909	2,510	9,980	6,240	1,490	1,680	961
15	856	1,020	870	846	834	956	3,500	10,500	5,990	1,170	1,560	879
16	843	1,010	775	860	834	972	4,540	11,500	5,670	1,110	1,300	834
17	843	994	695	878	789	922	5,940	12,300	5,680	1,080	1,110	778
18	847	974	642	842	630	907	6,300	12,300	5,160	1,180	1,090	717
19	953	1,000	613	791	536	925	7,210	11,600	4,720	1,250	941	895
20	869	1,030	673	774	605	907	7,390	11,100	4,400	1,280	981	990
21	918	979	719	782	772	911	7,850	11,200	4,040	1,100	1,050	742
22	959	924	719	814	798	961	8,960	10,700	3,700	974	1,110	619
23	963	912	771	823	808	1,060	9,680	10,100	3,590	895	1,090	538
24	1,000	935	811	818	830	1,050	10,900	9,860	3,540	876	962	492
25	1,040	944	807	814	903	972	10,400	9,490	3,310	709	806	458
26	1,100	951	808	798	817	949	10,200	9,970	3,080	619	690	433
27	1,130	1,010	800	818	757	904	10,100	10,100	3,250	616	625	454
28	1,130	1,010	784	798	776	851	10,600	9,790	3,150	671	544	512
29	1,150	935	824	814	764	851	9,660	9,090	2,830	600	484	621
30	1,130	909	828	823	-	851	9,820	8,920	2,740	843	476	683
31	1,140	-	820	790	-	889	-	9,330	-	841	597	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	32,080	1,550	843	1,035	63,630
November	30,707	1,160	909	1,024	60,910
December	25,170	996	613	812	49,920
Calendar year 1935	738,749	15,800	288	2,024	1,465,000
January	25,267	878	774	815	50,120
February	22,620	903	536	780	44,870
March	27,821	1,060	763	897	55,180
April	146,974	10,900	420	4,899	291,500
May	317,270	14,700	6,860	10,230	629,300
June	152,230	9,240	2,740	5,074	301,900
July	36,644	2,620	616	1,182	72,680
August	40,016	2,730	476	1,291	79,370
September	26,959	1,740	433	899	53,470
Water year 1935-36	883,758	14,700	420	2,415	1,753,000

East River at Almont, Colo.

Location.- Water-stage recorder, lat. 38°40', long. 106°51', in sec. 22, T. 51 N., R.1 E., 400 feet above mouth at Almont. Zero of gage is 8,009.51 feet above mean sea level.

Drainage area.- 295 square miles.

Records available.- April to October 1905, July 1910 to April 1922, October 1934 to September 1936.

Extremes.- Maximum discharge during year, 2,830 second-feet May 6 (gage height, 5.12 feet); minimum daily discharge, 36 second-feet Feb. 7.
1905, 1910-22, 1934-36: Maximum discharge, about 6,500 second-feet June 15, 1921 (gage height, 6.6 feet, former site and datum); minimum, 19 second-feet Aug. 13, 1913.

Remarks.- Records good October to April, and excellent May to September. Discharge for period of ice effect, Dec. 16 to Feb. 15, computed on basis of one discharge measurement, gage heights, and weather records. Diversions for irrigation above station.

Rating table, water year 1935-36 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 21 to Apr. 10, Apr. 17 to May 5)

0.9	39	2.0	246	3.2	930
1.0	46	2.2	322	3.4	1,095
1.2	66	2.4	408	3.7	1,350
1.4	95	2.6	510	4.1	1,740
1.6	131	2.8	636	4.5	2,150
1.8	182	3.0	780	5.0	2,700

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	155	103	69	55	45	63	55	1,310	1,820	583	306	168
2	148	113	73	55	46	63	55	1,480	1,530	516	322	148
3	143	103	74	56	45	63	57	1,900	1,210	494	339	148
4	133	106	74	56	40	62	57	2,240	1,010	467	310	148
5	129	97	74	55	39	59	58	2,360	908	437	330	138
6	127	106	72	53	38	59	56	2,440	840	413	386	138
7	123	101	70	50	36	58	57	1,900	930	399	351	133
8	117	97	66	50	38	59	59	1,470	1,170	390	310	125
9	113	100	72	54	39	59	62	1,270	1,360	382	298	121
10	111	105	73	55	42	59	64	1,250	1,410	347	278	119
11	109	94	76	54	45	59	69	1,470	1,450	408	271	171
12	108	95	80	46	48	59	82	1,830	1,400	413	264	143
13	106	94	74	48	51	58	97	2,120	1,400	368	253	136
14	103	94	79	49	55	59	125	2,140	1,370	335	243	127
15	100	89	80	49	56	59	260	2,400	1,330	322	222	117
16	100	90	72	48	63	57	399	2,420	1,320	330	206	111
17	100	94	64	46	59	59	596	2,320	1,210	310	194	108
18	97	101	59	45	60	58	825	2,270	1,160	302	185	105
19	101	94	57	40	60	57	946	2,250	1,150	314	194	101
20	103	82	59	39	63	59	978	2,250	1,070	306	209	103
21	103	83	64	39	60	60	1,330	2,190	978	318	215	94
22	111	83	66	40	60	60	1,460	2,080	1,030	314	185	83
23	115	84	67	40	59	60	1,660	2,050	970	275	166	80
24	121	79	67	41	58	62	1,500	1,950	922	253	155	77
25	117	82	67	45	57	60	1,530	2,020	832	239	148	77
26	115	80	69	42	58	59	1,560	2,120	1,000	229	138	83
27	115	70	73	40	62	58	1,650	2,050	870	219	138	97
28	109	69	76	43	63	57	1,550	1,970	773	219	136	106
29	108	66	77	40	62	57	1,540	1,930	758	246	133	105
30	111	72	70	40	-	57	1,340	1,980	699	282	158	98
31	105	-	66	41	-	57	-	1,880	-	306	148	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,556	155	97	115	7,050
November	2,726	113	66	90.9	5,410
December	2,179	80	57	70.3	4,320
Calendar year					
January	1,454	56	39	46.9	2,880
February	1,507	63	36	52.0	2,990
March	1,835	63	57	59.2	3,640
April	20,097	1,660	55	670	39,860
May	61,310	2,440	1,250	1,978	121,600
June	33,880	1,820	699	1,129	67,200
July	10,736	563	219	346	21,290
August	7,191	366	133	232	14,260
September	3,508	168	77	117	6,960
Water year 1935-36	149,979	2,440	36	410	297,500

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 1936. April 1918 to September 1924, December 1928 to July 1930, station maintained 600 feet downstream and below Wade Gulch.

Average discharge.- 11 years (1918-24, 1931-36), 118 second-feet.

Extremes.- Maximum discharge during year, 605 second-feet May 26 (gage height, 2.69 feet); minimum daily discharge (computed) 8 second feet Feb. 10.
1918-24, 1928-30, 1931-36: Maximum discharge, 1,560 second-feet June 12, 15, 1921; minimum, 5.7 second-feet Mar. 10, 1932 (discharge measurement).

Remarks.- Records excellent except those for period of ice effect, Nov. 11 to Apr. 18, which are good and were computed on basis of 11 discharge measurements and weather records. Natural regulation by Lake San Cristobal, 4 miles upstream.

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

(Shifting-control method used Oct. 1 to Nov. 10, July 12 to Sept. 15)

0.3	17	1.4	164
.4	22	1.6	208
.6	38	1.8	258
.8	59	2.0	322
1.0	86	2.5	519
1.2	121	3.0	754

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	23	18	13	12	17	15	166	385	153	104	83
2	43	24	18	14	12	17	15	195	322	132	127	79
3	42	23	18	14	11	17	15	276	255	119	162	80
4	42	22	19	14	10	16	15	400	210	108	175	89
5	41	24	20	14	10	16	16	502	184	100	175	85
6	40	21	21	13	10	15	18	528	190	97	138	79
7	38	22	21	12	10	15	19	396	227	92	190	75
8	36	21	21	12	10	15	20	282	308	89	168	69
9	38	22	21	12	9	15	22	218	377	97	149	67
10	38	22	20	13	8	15	24	184	412	100	142	63
11	36	22	19	14	9	14	30	166	408	113	129	63
12	36	22	19	14	9	14	36	193	408	153	117	63
13	35	22	20	14	9	14	46	261	404	129	125	60
14	35	22	21	14	9	14	58	329	389	113	127	59
15	34	22	20	15	9	14	71	404	312	127	117	57
16	32	21	18	14	10	14	90	460	329	119	106	52
17	31	21	15	14	11	14	115	448	326	106	99	51
18	31	21	13	13	12	13	150	444	319	100	96	50
19	31	22	13	13	13	13	188	420	312	106	97	49
20	33	21	14	13	13	13	179	472	291	106	97	47
21	32	20	14	13	13	13	184	448	248	96	96	45
22	30	19	14	13	14	13	227	416	227	96	92	43
23	29	20	15	13	14	13	273	428	240	91	83	41
24	29	20	15	13	15	13	240	440	240	82	76	38
25	28	21	15	13	15	13	230	524	215	79	71	37
26	28	21	16	13	16	13	222	573	197	78	67	36
27	28	20	16	13	16	14	220	532	197	72	63	36
28	27	20	16	13	16	14	213	502	186	73	62	37
29	26	19	15	12	17	15	210	502	182	80	63	37
30	25	19	14	12	-	15	186	550	171	92	67	36
31	23	-	13	12	-	15	-	452	-	102	80	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,042	43	23	33.6	2,070
November	639	24	19	21.3	1,270
December	532	21	13	17.2	1,060
Calendar year 1935	38,098	1,040	-	104	75,570
January	409	15	12	13.2	811
February	342	17	8	11.8	678
March	446	17	13	14.4	885
April	3,347	273	15	112	6,640
May	12,111	573	166	391	24,020
June	8,451	412	171	282	16,760
July	3,200	153	72	103	6,350
August	3,510	190	62	113	6,960
September	1,706	89	36	56.9	3,380
Water year 1935-36	35,735	573	8	97.6	70,880

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 1936. April 1918 to September 1919 at site 1 mile downstream.

Extremes.- Maximum discharge during year, 786 second-feet May 25 (gage height, 3.17 feet); minimum daily discharge (computed), 11 second-feet Dec. 18, 19, Jan. 7-10.
1918-19, 1929-30, 1931-36: Maximum discharge, 2,510 second-feet July 25, 1929; minimum, 9.6 second-feet Dec. 22, 1928.

Remarks.- Records excellent except those for period of ice effect, Nov. 11 to Apr. 18, which are fair and were computed on basis of 11 discharge measurements and weather records. No diversions above station.

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

Oct. 1 to Nov. 10		Apr. 19 to Sept. 30			
0.6	22	0.5	20	1.6	184
.8	40	.6	28	1.8	245
1.0	65	.8	47	2.0	310
		1.0	71	2.2	382
		1.2	99	2.5	500
		1.4	135	3.0	710

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	31	18	14	14	14	18	168	401	146	109	81
2	51	26	17	13	15	14	22	264	297	131	150	75
3	51	25	17	13	14	14	23	382	230	127	146	79
4	50	27	18	12	13	14	24	512	205	122	135	76
5	47	35	19	12	13	15	26	548	184	114	133	72
6	46	27	21	12	13	16	25	472	233	109	144	68
7	46	28	21	11	14	15	32	303	345	106	135	63
8	44	29	20	11	14	16	35	208	420	106	129	61
9	42	29	18	11	14	17	36	162	440	116	113	57
10	41	27	17	11	13	18	40	146	440	113	113	56
11	40	26	18	12	12	16	52	162	416	144	111	62
12	39	26	19	13	14	18	70	255	428	137	116	54
13	37	28	21	14	16	20	84	331	420	109	157	50
14	36	30	18	14	15	21	88	393	352	99	131	47
15	35	31	16	14	15	20	94	460	345	101	113	43
16	35	28	15	14	15	20	108	492	345	96	104	41
17	34	30	12	13	14	21	122	516	342	94	104	39
18	29	31	11	13	14	22	136	500	342	94	106	39
19	32	30	11	13	14	20	150	520	324	94	102	38
20	35	28	12	14	15	19	168	532	290	90	96	38
21	33	24	13	15	15	20	214	488	271	94	90	38
22	29	25	13	15	15	18	261	488	258	90	84	38
23	28	26	14	14	14	17	271	500	267	83	79	38
24	30	27	15	12	16	16	230	540	251	78	75	38
25	30	28	15	13	15	16	248	596	230	76	71	37
26	30	26	15	14	14	17	248	536	205	74	68	37
27	31	24	16	14	14	18	226	520	190	75	67	38
28	28	25	16	15	13	19	208	484	190	76	64	38
29	29	23	16	15	13	19	199	548	193	76	67	34
30	28	19	16	13	-	17	148	532	162	80	79	34
31	28	-	14	13	-	15	-	460	-	92	83	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,146	52	28	37.0	2,270
November	819	35	19	27.3	1,620
December	502	21	11	16.2	996
Calendar year 1935	32,812	796	-	89.9	65,080
January	407	15	11	13.1	807
February	410	16	12	14.1	813
March	542	22	14	17.5	1,080
April	3,606	271	18	120	7,150
May	13,018	596	146	420	25,820
June	9,016	440	162	301	17,880
July	3,142	146	74	101	6,230
August	3,274	157	64	106	6,490
September	1,511	81	34	50.4	3,000
Water year 1935-36	37,393	596	11	102	74,160

North Fork of Gunnison River near Somerset, Colo.

Location.- Water-stage recorder, lat. 38°56', long. 107°28', 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 1936.

Extremes.- Maximum discharge during year, 3,780 second-feet May 6 (gage height, 5.15 feet); minimum daily discharge (computed), 39 second-feet Dec. 15, 16.
1934-36: Maximum discharge, that of May 6, 1936; minimum daily discharge, 28 second-feet Sept. 19, 1934.

Remarks.- Records excellent except those for periods of ice effect, Dec. 1 to Jan. 10, Jan. 13, 14, 18-27, Jan. 30 to Feb. 2, Feb. 5-11, 15-23, computed on basis of one discharge measurement, gage heights, and weather records, those estimated for Sept. 19-24, and those for Mar. 1 to Apr. 30, all of which are good. Diversions for irrigation above station.

Rating tables, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 10 to May 4)

Oct. 1 to Mar. 15

0.7	37
.8	48
1.0	78
1.2	115
1.4	170

Mar. 16 to Sept. 30

0.8	62	2.0	459	4.0	2,290
1.0	92	2.2	572	4.5	2,910
1.2	134	2.4	698	5.0	3,570
1.4	193	2.7	915		
1.6	269	3.0	1,160		
1.8	358	3.5	1,690		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	132	65	50	48	48	70	107	1,830	1,760	459	158	150
2	111	75	48	47	53	68	90	1,970	1,480	397	142	127
3	107	70	48	53	55	72	87	2,600	1,190	378	153	116
4	105	76	47	52	51	68	84	3,130	1,020	358	142	111
5	101	49	44	50	50	76	86	3,300	945	335	139	102
6	97	75	46	49	52	83	79	3,250	870	326	183	100
7	92	75	47	51	52	95	94	2,530	960	299	183	96
8	90	74	48	48	53	105	132	2,000	1,270	278	177	96
9	86	73	43	47	54	111	161	1,660	1,440	273	139	94
10	81	75	44	49	55	135	211	1,660	1,450	273	120	98
11	83	73	41	54	57	125	321	2,010	1,460	387	116	107
12	80	58	43	52	56	122	486	2,400	1,380	433	125	107
13	81	68	44	52	54	140	672	2,630	1,350	358	145	105
14	81	73	41	51	54	140	855	2,600	1,300	312	150	102
15	80	68	39	52	52	132	1,050	2,750	1,210	290	122	98
16	78	62	39	54	53	120	1,370	2,780	1,180	273	111	92
17	75	65	40	56	51	118	1,540	2,820	1,080	265	122	90
18	73	75	42	54	52	120	1,730	2,600	1,020	265	120	92
19	75	72	41	52	52	109	1,600	2,420	990	265	118	90
20	78	55	42	54	53	111	1,750	2,400	938	222	139	86
21	85	51	44	59	54	132	2,060	2,370	848	187	187	82
22	80	61	46	61	57	150	2,310	2,300	848	164	164	78
23	78	70	48	58	56	139	2,470	2,190	767	153	142	74
24	78	67	49	60	54	113	2,250	2,110	719	148	127	71
25	81	75	48	63	55	107	2,240	2,110	705	145	120	68
26	73	67	47	64	62	98	2,360	2,070	855	174	120	76
27	73	61	46	60	70	98	2,410	2,000	685	167	111	89
28	72	62	47	49	70	96	2,330	1,880	590	167	107	90
29	78	46	48	51	76	102	2,360	1,810	596	174	103	86
30	75	51	49	47	-	113	2,060	1,860	560	187	100	82
31	72	-	48	44	-	129	-	1,860	-	158	116	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,631	132	72	84.9	5,220
November	1,987	76	46	66.2	3,940
December	1,397	50	39	45.1	2,770
Calendar year					
January	1,641	64	44	52.9	3,250
February	1,611	76	48	55.6	3,200
March	3,397	150	68	110	6,740
April	35,355	2,470	79	1,178	70,130
May	71,900	3,300	1,660	2,319	142,600
June	31,466	1,760	560	1,049	62,410
July	8,270	459	145	267	16,400
August	4,201	187	100	136	8,330
September	2,855	150	68	95.2	5,660
Water year 1935-36	166,711	3,300	39	455	330,600

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.- 30 square miles.

Records available.- May 1935 to September 1936 (discontinued).

Extremes.- Maximum discharge during year, 626 second-feet May 5 (gage height, 2.32 feet); minimum daily discharge, 0.6 second-foot Aug. 28.
1935-36: Maximum and minimum discharges, those of 1936.

Remarks.- Records good except those for periods of unstable control, Oct. 1 to Nov. 19, Sept. 6-30, and those estimated for May 13-18, 20, which are fair. No record Nov. 20 to Mar. 23. Diversions for irrigation above station.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 4 to Nov. 19, Sept. 6-30)

0.1	0.2	1.0	73
.2	.7	1.2	117
.3	1.4	1.4	180
.4	4.6	1.6	285
.6	18.4	1.9	495
.8	41	2.2	730

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.0	3.7				-	22	350	128	19	7.7	7.7
2	6.0	4.6				-	19	399	120	17	7.7	1.3
3	7.5	3.3				-	19	480	99	14	12	1.6
4	9.6	12				-	23	594	79	15	12	1.8
5	9.6	8.3				-	20	658	71	12	10	2.2
6	7.1	10				-	18	555	68	10	14	2.2
7	4.6	7.7				-	19	357	62	8.3	13	1.2
8	4.2	5.8				-	20	304	63	7.7	10	1.2
9	4.6	7.7				-	24	285	75	6.5	8.3	1.3
10	3.7	8.3				-	34	255	90	4.6	7.1	1.2
11	4.2	5.8				-	59	292	86	15	9.6	5.2
12	5.8	4.6				-	92	330	77	21	12	2.4
13	5.2	7.7				-	125	380	77	15	12	1.3
14	3.7	6.5				-	148	365	73	12	12	1.2
15	3.3	4.6				-	189	400	65	8.3	8.3	1.0
16	5.2	5.2				-	220	430	60	6.5	3.7	1.2
17	3.3	3.3				-	249	395	55	6.5	1.8	1.0
18	4.2	2.8				-	267	340	46	9.6	4.6	1.0
19	4.6	3.3				-	231	304	41	6.5	11	1.0
20	6.5	-				-	279	320	38	4.6	13	1.0
21	5.2	-				-	364	279	31	4.6	13	.8
22	3.7	-				-	406	267	27	3.7	11	1.0
23	2.8	-				-	385	249	25	3.3	5.2	1.6
24	3.7	-				24	357	225	22	3.3	2.8	2.0
25	7.1	-				28	371	207	22	8.9	3.7	2.8
26	14	-				28	378	180	25	10	3.3	4.2
27	12	-				27	350	170	24	6.5	1.2	5.2
28	8.9	-				28	357	152	21	5.2	.6	4.6
29	4.2	-				25	371	139	20	4.2	1.3	4.6
30	4.2	-				18	350	137	19	4.2	2.2	4.2
31	4.2	-				18	-	137	-	5.8	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	178.9	14	2.8	5.77	355
November 1-19	115.2	12	2.8	6.06	228
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 24-31	196	28	18	24.5	389
April	5,766	406	18	192	11,440
May	9,935	658	137	320	19,710
June	1,709	128	19	57.0	3,390
July	278.8	21	3.3	8.99	553
August	252.1	18	.6	8.13	500
September	69.0	7.7	.8	2.30	137
Water year					

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 1935 to September 1936.

Extremes.- Maximum discharge during year, 824 second-feet May 5 (gage height, 2.12 feet); minimum daily discharge, 6 second-feet Aug. 28.
1935-36: Maximum and minimum discharges, those of 1936.

Remarks.- Records good. Discharge for Nov. 20-24, 27-30, computed on basis of gage heights and weather records, and discharge for Aug. 10-13, 22-29 computed on basis of records for station near Ragged Mountain. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	16				-	35	340	160	63	21	15
2	24	16				-	44	396	148	57	23	12
3	24	15				-	23	494	148	44	23	12
4	21	13				-	26	660	138	44	24	11
5	11	19				-	24	678	135	38	23	11
6	9.8	19				-	23	595	135	35	19	11
7	9.8	15				-	26	433	132	35	19	11
8	9.8	13				-	31	380	138	35	26	9.0
9	11	16				-	29	330	142	31	18	9.0
10	11	18				-	35	316	145	31	17	9.8
11	11	15				-	66	380	132	48	18	9.8
12	11	15				-	98	449	123	55	21	9.8
13	12	19				-	135	482	117	50	21	11
14	13	13				-	176	449	106	46	21	11
15	15	11				-	246	494	103	44	21	11
16	13	18				-	306	538	101	42	19	9.8
17	11	15				-	288	505	92	46	19	9.8
18	12	12				-	375	449	82	46	23	11
19	12	12				-	335	385	70	46	26	9.8
20	11	12				-	380	428	68	44	23	9.8
21	13	12				-	466	390	61	29	21	9.8
22	15	12				-	499	364	63	24	20	9.8
23	13	13				-	471	354	66	19	15	9.8
24	12	13				31	433	288	61	18	10	9.8
25	13	13				52	428	242	59	19	11	9.0
26	16	13				50	449	218	61	26	10	9.0
27	9.8	12				42	460	197	57	23	8	9.8
28	6.6	12				23	438	170	61	21	6	9.8
29	16.0	11				26	433	160	66	20	8	9.0
30	19	11				24	375	160	68	19	9.0	9.8
31	16	-				26	-	160	-	19	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	425.8	24	6.6	13.7	845
November	424	19	11	14.1	841
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 24-31	274	52	23	34.2	543
April	7,153	499	23	238	14,190
May	11,884	678	160	383	23,570
June	3,038	160	57	101	6,030
July	1,117	63	18	36.0	2,220
August	556.0	26	6	18.0	1,100
September	309.2	15	9.0	10.3	613
Water year					

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 1936 in reports of U. S. Geological Survey; May 1917 to September 1936 in reports of State engineer.

Average discharge.- 19 years, 28.6 second-feet.

Extremes.- Maximum discharge during year, 273 second-feet May 4 (gage height, 1.34 feet); practically no flow at times during winter.
1917-36: Maximum discharge, 715 second-feet May 24, 1920 (gage height, 1.95 feet); practically no flow at times during winter.

Remarks.- Records excellent except those for period of ice effect, Nov. 27 to Mar. 19, computed on basis of two discharge measurements and weather records, those estimated for Nov. 11-21, Mar. 27, 28, and those for Oct. 1-26, which are fair. Flow regulated by numerous reservoirs. Water is brought into this drainage basin from adjacent streams. Diversions for irrigation above station.

Rating table, Oct. 27, 1935, to Sept. 30, 1936, except period of ice effect (gage height, in feet, and discharge, in second-feet)

0	0	.6	39
.1	2.1	.7	55
.2	5.4	.8	74
.3	12	.9	96
.4	19	1.0	123
.5	27	1.1	156

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	4.5					2.1	63	70	32	17	19
2	9.4	4.5					4.1	85	74	34	18	16
3	8.8	3.6				4	2.8	115	85	31	18	18
4	8.2	3.6					2.3	136	83	25	14	16
5	7.0	3.6					2.3	143	72	25	15	13
6	14	5.4					4.5	85	59	24	32	11
7	13	8.7					4.5	53	52	22	31	11
8	13	6.1				3.5	3.2	55	57	41	27	10
9	12	6.1					3.0	52	59	41	25	8.0
10	12	4.5					3.6	74	52	39	25	6.7
11	11	3.6					6.1	89	45	41	24	5.4
12	8.8	4.0					13	87	42	32	25	5.0
13	7.6	4.4				3	19	76	35	29	26	11
14	7.0	4.0					33	64	34	23	22	9.4
15	6.4	4.0					32	83	35	24	19	8.7
16	5.8	3.2					63	112	35	25	20	5.4
17	4.6	3.4				2.5	83	126	31	26	20	5.4
18	3.4	4.0					83	130	26	25	24	5.4
19	2.8	3.8					49	123	26	21	24	4.5
20	4.0	3.4				2.1	101	112	25	20	28	4.5
21	7.6	3.0					2.1	94	92	22	19	24	5.0
22	5.2	2.8		*4.1			2.3	89	81	20	18	25	4.1
23	7.6	5.4					2.5	130	70	21	18	27	2.5
24	6.4	6.7					4.1	78	72	22	21	23	4.1
25	5.8	3.2			*4.2		3.6	74	74	22	22	23	3.6
26	4.6	3.0					4.5	74	78	24	21	25	3.6
27	5.4	3.0					4.0	72	55	21	18	23	6.7
28	6.1	3.2					3.4	87	72	23	17	22	6.7
29	6.7	3.0					2.8	76	72	27	17	18	5.4
30	5.0	3.0					2.5	63	70	31	13	19	5.4
31	3.6	-					2.1	-	78	-	13	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	232.8	14	2.8	7.51	462
November	124.7	8.7	2.8	4.16	247
December	108.5	-	-	3.5	215
Calendar year 1935	8,225.7	124	-	22.5	16,320
January	124	-	-	4.0	246
February	116	-	-	4.0	230
March	98.5	-	-	3.18	195
April	1,351.5	130	2.1	45.0	2,680
May	2,677	143	52	86.4	5,310
June	1,230	85	20	41.0	2,440
July	777	41	13	25.1	1,540
August	705	32	14	22.7	1,400
September	240.5	19	2.5	8.02	477
Water year 1935-36	7,785.5	143	-	21.3	15,440

*Discharge measurement.

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 1935 to September 1936. April 1917 to November 1934 water-stage recorder 3 miles upstream; records fairly comparable.

Extremes.- Maximum discharge during year, 1,130 second-feet May 29 (gage height, 3.34 feet); minimum probably occurred during period of ice effect.
1917-36: Maximum discharge, 4,080 second-feet June 13, 14, 1921; minimum, 16 second-feet Sept. 3, 1918.

Remarks.- Records good except those for period of ice effect, Dec. 15 to Mar. 6, which are fair and were computed on basis of two discharge measurements and weather records. Gage heights and most of discharge measurements furnished by Uncompahgre Valley Water Users' Association. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	153	113	84			80	73	320	651	320	144	122
2	150	119	79			85	66	403	491	277	153	113
3	150	116	79			85	79	554	361	245	224	122
4	160	113	79			90	73	682	296	220	263	113
5	150	93	82			95	73	779	259	220	259	107
6	140	98	79			100	68	701	254	211	496	104
7	134	98	76			107	71	457	356	199	458	92
8	128	96	73			107	98	356	560	196	396	87
9	122	96	76			113	113	311	657	196	277	85
10	116	98	66			134	104	286	676	196	246	85
11	110	98	79			93	125	291	645	325	238	101
12	107	98	73			90	207	350	670	311	255	85
13	107	96	71			98	320	414	688	220	306	85
14	98	90	68			93	340	424	651	196	246	82
15	98	82	60			90	382	468	584	177	200	79
16	98	87				82	463	514	645	181	188	77
17	98	87				93	463	584	632	192	184	72
18	87	90	57			93	452	537	602	181	188	67
19	93	87				82	408	525	560	184	200	67
20	119	79				84	424	682	525	177	217	65
21	107	79				90	474	639	457	163	221	62
22	96	82		*58		93	514	708	446	156	192	62
23	93	87	58			90	531	727	430	134	168	62
24	110	84				71	446	720	441	122	153	58
25	116	87			*74	82	441	873	414	101	136	56
26	116	87				73	419	853	387	96	116	56
27	116	82				76	397	740	371	90	113	58
28	119	82				90	387	688	340	93	95	67
29	119	76	60			84	387	753	392	107	90	65
30	113	82				79	325	853	371	113	98	62
31	110	-				82	-	746	-	98	116	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,633	160	87	117	7,210
November	2,762	119	76	92.1	5,480
December	2,059	84	-	66.4	4,080
Calendar year					
January	1,922	-	-	62	3,810
February	1,972	-	-	68	3,910
March	2,804	134	71	90.5	5,560
April	8,723	531	66	291	17,300
May	17,938	873	286	579	35,580
June	14,812	688	254	494	29,380
July	5,697	325	90	184	11,300
August	6,636	496	90	214	13,160
September	2,418	122	56	80.6	4,800
Water year 1935-36	71,376	873	-	195	141,600

*Discharge measurement.

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. Prior to Oct. 14, station located 300 feet upstream.

Drainage area.- 55.0 square miles.

Records available.- October 1917 to September 1921, October 1933 to September 1936 in reports of U. S. Geological Survey; October 1917 to September 1921, August 1922 to September 1936 in reports of State engineer.

Average discharge (combined flow).- 18 years, 41.7 second-feet.

Extremes (combined flow).- Maximum discharge during year, 448 second-feet May 16; minimum probably occurred during winter.
1917-21, 1922-36: Maximum discharge, 1,630 second-feet June 6, 1921 (gage height, 4.5 feet); minimum probably occurred during winter of 1936.

Remarks.- Records excellent except those for periods of ice effect, Nov. 28-30, Dec. 2 to Feb. 15, which are fair and were computed on basis of one discharge measurement and weather records. Diversion by Grand Junction pipe line added to monthly discharge table to give total flow of stream. Combined flow records excellent. Regulation by a few small reservoirs above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.2	4.7	3.5			1.4	1.4	97	56	36	14	11
2	3.1	5.0	-			.9	1.6	127	69	33	16	6.2
3	2.4	4.7	-		1.5	1.6	1.2	197	76	34	16	4.7
4	2.4	3.9	-			1.9	1.4	256	74	31	14	3.5
5	2.6	3.1	-			1.9	1.4	296	58	28	15	3.9
6	2.6	5.4	-			2.5	1.4	241	49	36	18	3.5
7	2.4	5.0	-			2.2	1.4	143	42	44	16	3.1
8	2.6	5.0	-		1.2	2.8	2.2	115	37	44	16	2.8
9	2.6	4.7	-			6.6	2.2	106	36	45	16	2.6
10	2.9	5.0	-			7.0	3.1	121	34	45	16	3.1
11	2.4	4.7	-			8.1	6.6	180	33	58	21	5.4
12	2.0	4.3	-			6.2	14	219	30	47	21	4.3
13	2.1	5.4	-		1.4	2.5	18	241	28	27	21	4.7
14	2.4	4.7	-			2.5	23	234	26	22	14	2.2
15	2.2	3.9	-			2.5	30	230	24	16	12	3.1
16	2.8	4.7	-		1.2	2.2	34	284	24	12	17	2.8
17	2.5	4.3	-		.9	2.2	34	249	23	8.1	17	1.9
18	2.2	4.7	-		.9	2.2	33	222	21	9.2	14	1.4
19	2.8	3.9	-		.9	1.9	31	215	18	8.1	8.1	1.4
20	3.1	5.0	-		.9	2.2	36	190	18	6.6	8.1	1.4
21	2.8	5.0	-	*1.4	1.2	2.2	39	153	16	6.2	19	1.4
22	2.8	4.7	-		1.4	2.5	49	130	14	6.2	17	1.4
23	3.5	4.7	-		1.4	2.2	58	103	15	5.8	14	1.9
24	5.0	4.7	-		1.2	2.2	51	82	14	5.4	11	1.9
25	5.0	4.3	-		.9	1.9	58	72	17	5.4	9.2	1.4
26	5.0	4.7	-		.9	1.6	79	69	17	5.0	24	1.9
27	5.4	4.7	-		.9	2.8	103	74	21	10	23	2.5
28	5.4	4.7	-		.9	2.2	106	65	22	11	21	2.2
29	5.4	4.2	-		1.2	2.2	118	56	28	14	18	1.9
30	5.0	3.5	-		-	2.2	100	54	30	17	16	2.2
31	4.3	-	-		-	2.2	-	56	-	17	14	-

Month	Observed					Diverted by Grand Junction pipe line (acre-feet)	Corrected for diversion	
	Second-foot-days	Discharge in second-feet			Run-off in acre-feet		Run-off in acre-feet	Mean (second-feet)
		Maximum	Minimum	Mean				
October	101.9	5.4	2.0	3.29	202	440	642	10.4
November	137.3	5.4	3.1	4.58	272	348	620	10.4
December	77.5	-	-	2.5	154	360	514	7.35
Calendar year 1935	11,582.4	565	-	31.7	22,980	5,030	28,010	38.7
January	46.5	-	-	1.5	92	376	468	7.62
February	35.3	-	-	1.22	70	370	440	7.65
March	85.5	5.1	.9	2.76	170	350	520	8.46
April	1,037.9	118	1.2	34.6	2,060	425	2,485	41.8
May	4,877	296	54	157	9,670	480	10,150	165
June	970	76	14	32.3	1,920	465	2,385	40.1
July	693.0	58	5.0	22.4	1,370	488	1,858	30.3
August	496.4	24	8.1	16.0	985	519	1,504	24.4
September	91.9	11	1.4	3.06	182	491	673	11.3
Water year 1935-36	8,650.2	296	-	23.6	17,150	5,110	22,260	30.6

*Discharge measurement.

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Dolores River at Dolores, Colo.

Location.- Water-stage recorder, lat. 37°28', long. 108°30', in sec. 9, T. 37N., R. 15 W., in Dolores, a quarter of a mile above Lost Canyon Creek.

Drainage area.- 508 square miles.

Records available.- June 1895 to October 1903, August 1910 to December 1912, May 1922 to September 1927 (monthly discharge), October 1933 to September 1936 in reports of U. S. Geological Survey; June 1895 to October 1903, August 1910 to December 1912, April 1922 to September 1936 in reports of State engineer. Prior to Dec. 6, 1912, station maintained just below mouth of Lost Canyon Creek.

Average discharge.- 15 years (1921-36), 477 second-feet.

Extremes.- Maximum discharge during year, 2,880 second-feet May 6 (gage height, 6.05 feet); minimum observed, 32 second-feet Nov. 20 (discharge measurement); actual minimum probably somewhat lower.
1895-1903, 1910-12, 1922-36: Maximum discharge, 10,000 second-feet Oct. 5, 1911 (gage height, 10.2 feet, former site and datum); minimum daily discharge, 8 second-feet Aug. 16, 1896.

Remarks.- Records good except those for period of ice effect, Nov. 21 to Feb. 29, which are fair and were computed on basis of two discharge measurements and weather records, and those for Mar. 1-15, Aug. 16-24, which are fair and were computed on basis of records for Animas River at Durango. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	186	66				50	131	1,640	1,630	298	191	308
2	170	77				52	121	1,860	1,360	261	186	252
3	158	73				60	161	2,150	1,150	239	284	261
4	151	69				68	173	2,300	1,010	227	370	281
5	140	54				76	149	2,460	917	207	456	227
6	131	45				82	117	2,470	962	188	834	199
7	123	64				80	142	1,880	1,040	170	685	173
8	115	69				90	239	1,470	1,180	156	584	153
9	111	63				105	370	1,250	1,230	153	491	140
10	104	69				120	451	1,160	1,220	168	386	131
11	102	50				142	662	1,310	1,200	330	374	158
12	98	53				135	925	1,540	1,200	359	378	151
13	95	69		*34		152	1,220	1,570	1,120	242	374	133
14	91	66				170	1,430	1,500	1,030	194	322	121
15	90	56				200	1,500	1,510	969	221	291	109
16	85	59				233	1,540	1,720	903	210	254	102
17	87	60				242	1,730	1,850	808	204	234	95
18	79	71				235	1,650	1,780	732	210	240	100
19	76	53				194	1,540	1,740	679	186	238	117
20	100	44				191	1,760	1,900	611	178	350	106
21	100					213	1,710	1,850	541	168	290	98
22	91					216	1,900	1,730	496	233	250	104
23	88					183	1,940	1,740	460	183	220	104
24	88					153	1,880	1,690	438	144	200	90
25	82					144	1,930	1,760	426	127	176	82
		40										
26	80					127	1,900	1,680	413	138	158	80
27	90				*45	115	1,900	1,680	386	183	144	88
28	88					131	1,880	1,470	348	188	142	98
29	90					131	1,870	1,480	344	210	178	93
30	90					138	1,610	1,690	344	271	312	88
31	77					158	-	1,800	-	213	382	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,256	186	76	105	6,460
November	1,630	77	-	54.3	3,230
December	1,116	-	-	36.0	2,210
Calendar year 1935	157,187	3,190	-	431	311,800
January	1,054	-	-	34.0	2,090
February	1,160	-	-	40.0	2,300
March	4,384	242	50	141	8,700
April	34,551	1,940	117	1,152	68,530
May	53,630	2,470	1,160	1,730	106,400
June	25,147	1,630	344	838	49,880
July	6,459	359	127	208	12,810
August	9,975	834	142	322	19,790
September	4,242	308	80	141	8,410
Water year 1935-36	146,604	2,470	-	401	290,800

*Discharge measurement.

Green River at Warren Bridge, near Daniel, Wyo.

Location.- Water-stage recorder, lat. 43°0', long. 110°7', in sec. 8, T. 35 N., R. 111 W., at Warren Bridge, 12 miles north of Daniel. Zero of gage is 7,468.09 feet above sea level.

Drainage area.- 468 square miles.

Records available.- October 1931 to September 1936.

Extremes.- Maximum discharge during year, 3,090 second-feet June 3 (gage height, 4.83 feet); minimum occurred during winter.
1931-36: Maximum discharge, 3,260 second-feet June 26, 1932 (gage height, 5.08 feet); minimum occurred during winter.

Remarks.- Records excellent Oct. 1-31, May 20 to Sept. 21; fair for remainder of year. Discharge for period of ice effect, Nov. 1 to Apr. 18, computed on basis of three discharge measurements, weather records, and records for station near Linwood and for periods May 10, 11, Sept. 22-30 on basis of records for New Fork near Boulder. Natural regulation by lakes in Green River Basin.

Rating table, water year 1935-36 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 19 to May 17)

1.1	92	2.6	715
1.2	102	2.8	875
1.4	128	3.0	1,045
1.6	165	3.5	1,490
1.8	214	4.0	1,990
2.0	288	4.5	2,620
2.2	400	5.0	3,320
2.4	555		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	163							1,140	2,910	1,550	843	293
2	161							1,190	3,050	1,360	867	298
3	157						110	1,210	2,970	1,260	926	298
4	153							1,320	2,680	1,230	986	322
5	151							1,250	2,240	1,230	977	374
6	147							1,050	1,880	1,240	884	387
7	145							1,000	1,800	1,260	763	408
8	143						140	1,520	1,840	1,260	691	394
9	142							1,670	1,780	1,280	635	368
10	138							1,690	1,640	1,320	627	326
11	135							1,710	1,630	1,280	611	298
12	135							1,710	1,730	1,240	611	280
13	135							1,890	1,960	1,420	659	276
14	133					*118	220	2,130	2,130	1,490	667	268
15	131							2,460	2,330	1,460	667	256
16	133						330	2,540	2,540	1,340	627	248
17	133			*111			330	2,310	2,570	1,230	627	241
18	130						350	1,960	2,440	1,150	603	231
19	131						422	1,850	2,320	1,100	587	224
20	128						499	1,900	2,270	1,010	523	221
21	135						667	1,810	2,230	968	483	211
22	140						787	1,660	2,220	934	430	225
23	124						952	1,590	2,210	900	387	235
24	115						1,040	1,610	2,170	892	355	210
25	151						1,180	1,760	2,180	926	331	205
26	142						1,210	1,880	2,160	1,040	326	200
27	135						968	2,030	2,060	1,040	322	195
28	131						1,100	2,180	1,950	934	307	195
29	125						1,120	2,240	1,870	843	293	215
30	110						1,210	2,350	1,750	827	284	220
31	110						-	2,560	-	811	284	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,242	163	110	137	8,410
November	3,000	-	-	100	5,950
December	3,410	-	-	110	6,760
Calendar year 1935	159,793	3,090	-	438	316,900
January	3,503	-	-	113	6,950
February	3,335	-	-	115	6,610
March	3,720	-	-	120	7,380
April	14,515	1,210	-	484	28,790
May	55,170	2,560	1,000	1,780	109,400
June	65,510	3,050	1,630	2,184	129,900
July	35,825	1,550	811	1,156	71,060
August	18,183	986	284	587	36,070
September	8,122	408	195	271	16,110
Water year 1935-36	218,535	3,050	-	597	433,400

*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 6,071.08 feet above mean sea level.

Drainage area.- 7,670 square miles.

Records available.- May 1895 to October 1906, March 1915 to September 1936.

Average discharge.- 31 years (1895-99, 1900-1906, 1915-36), 1,902 second-feet.

Extremes.- Maximum discharge observed during year, 15,600 second-feet June 4 (gage height, 5.88 feet); minimum occurred during period of ice effect.
1895-1906, 1915-36: Maximum discharge observed, 22,200 second-feet June 19, 1918 (gage height, 12.3 feet); minimum discharge observed, 160 second-feet Nov. 17, 1898.

Remarks.- Records fair. Discharge for periods of ice effect, Nov. 24 to Mar. 17, Mar. 19, Apr. 1-4, computed on basis of two discharge measurements and records for station near station near Linwood, Utah. Diversions for irrigation above station. Gage-height record collected in cooperation with the U. S. Weather Bureau.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	340	348				480	400	4,480	9,920	4,630	3,350	904
2	340	325				505	320	4,510	12,000	4,130	3,490	923
3	325	378	280	265	265	550	380	4,450	14,400	3,550	4,130	1,050
4	348	378				605	600	4,510	15,300	2,990	4,040	1,040
5	340	430				620	625	4,660	13,500	2,540	3,440	1,090
6	355	470				640	639	4,990	12,500	2,280	3,580	1,080
7	332	392				670	625	5,690	10,500	2,140	2,910	1,060
8	325	420	295	250	325	690	538	5,320	8,530	2,070	2,510	1,050
9	332	470				630	709	4,570	7,520	2,070	2,160	1,060
10	318	470				610	780	4,220	7,400	1,980	1,980	1,010
11	312	490		*252		600	1,350	4,330	7,040	2,030	1,850	989
12	325	450				610	1,980	4,810	6,620	2,670	2,030	923
13	340	490	285	255	360	620	2,280	5,480	6,420	3,100	1,940	848
14	355	440				600	2,030	6,180	6,380	3,810	1,760	817
15	332	430				595	2,120	7,040	6,970	3,780	1,680	786
16	312	450				585	2,100	8,150	7,330	3,490	1,660	757
17	362	460				576	2,360	9,380	8,070	3,300	1,620	730
18	340	460	245	250	400	550	2,800	9,610	8,370	2,990	1,560	717
19	370	490				580	3,490	8,990	8,030	2,620	1,490	711
20	362	500				639	3,980	7,660	7,550	2,410	1,420	711
21	362	480				588	4,840	7,290	7,040	2,260	1,380	698
22	370	480				625	4,750	7,370	6,620	2,160	1,350	698
23	348	460	255	265	430	420	5,230	6,900	6,150	2,190	1,240	693
24	370	420				512	5,570	6,350	5,950	1,890	1,160	687
25	362	410				550	5,410	6,020	5,890	1,850	1,120	676
26	370	440				575	4,990	6,210	5,630	2,360	1,060	676
27	400	430				600	4,810	6,900	5,320	2,910	1,010	670
28	400	380	260	255	450	575	4,510	7,440	5,140	2,770	989	670
29	400	350				625	4,330	8,030	5,020	3,720	966	670
30	410	332			-	490	4,330	8,640	5,020	5,330	942	670
31	385	-			-	450	-	8,910	-	2,940	942	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,942	410	312	353	21,700
November	12,923	500	325	431	25,630
December	8,360	-	-	270	16,580
Calendar year 1935	417,609	11,900	-	1,144	828,200
January	7,952	-	-	257	15,770
February	10,700	-	-	369	21,220
March	17,965	690	420	580	35,630
April	78,776	5,570	320	2,626	156,200
May	199,090	9,610	4,220	6,422	394,900
June	242,130	15,300	5,020	8,071	480,300
July	86,960	4,630	1,850	2,805	172,500
August	60,759	4,130	942	1,960	120,500
September	25,064	1,090	670	835	49,710
Water year 1935-36	761,621	15,300	-	2,081	1,511,000

*Discharge measurement.

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 State line and 5 miles southeast of Linwood. Henrys Fork enters a quarter of a mile downstream. Zero of gage is 5,844.64 feet above mean sea level.

Drainage area.- 14,300 square miles.

Records available.- October 1928 to September 1936.

Extremes.- Maximum discharge during year, 15,200 second-feet June 4 (gage height, 10.11 feet from recorded range of stage and high-water marks); minimum daily discharge (computed), 227 second-feet Jan. 10.
1928-36: Maximum discharge, that of June 4, 1936; minimum, 196 second-feet Nov. 27, 1934 (gage height, -0.10 foot).

Remarks.- Records good except those for period of ice effect, Dec. 1 to Mar. 8, computed on basis of two discharge measurements, gage heights, and weather records, and those for Apr. 15-18 and June 2-7, computed on basis of records for station at Green River, Wyo., and recorded range in stage. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	335	392	286	277	252	636	698	5,810	10,300	4,830	3,320	910
2	335	406	277	282	256	730	354	5,840	11,800	4,410	2,900	870
3	339	358	275	282	264	750	636	5,770	13,000	3,920	5,420	1,110
4	339	366	275	288	277	800	730	5,760	14,700	3,500	5,940	1,440
5	324	314	272	275	305	845	714	5,820	14,200	3,020	6,020	1,580
6	328	308	295	260	324	890	568	6,070	12,500	2,700	4,880	1,340
7	328	350	298	249	331	910	574	6,690	11,200	2,510	3,890	1,340
8	324	358	298	232	331	944	658	7,670	10,100	2,380	3,260	1,300
9	321	476	298	230	347	920	1,020	7,160	9,060	2,270	2,870	1,280
10	314	562	295	227	370	860	942	6,450	8,160	2,170	2,480	1,260
11	305	538	290	238	379	860	1,220	5,810	7,790	2,090	2,340	1,180
12	308	520	295	242	388	784	1,490	5,710	7,330	2,200	2,130	1,060
13	308	492	288	249	415	870	1,920	6,570	6,960	3,690	2,270	1,010
14	311	388	272	256	425	860	2,550	7,620	6,770	4,440	2,570	942
15	314	324	277	256	425	840	2,450	8,650	6,800	4,140	2,340	880
16	324	301	252	252	425	811	2,520	9,760	7,260	3,810	2,220	870
17	331	354	242	249	435	730	2,580	11,000	7,590	3,230	2,170	e11
18	335	406	238	235	445	766	2,840	11,900	8,090	2,940	2,080	784
19	335	526	238	237	455	748	3,270	11,700	8,180	2,820	1,880	784
20	335	520	242	252	465	714	3,410	10,900	7,550	2,610	1,730	766
21	339	538	245	260	476	802	3,890	10,000	7,130	2,380	1,640	748
22	347	487	249	268	487	840	4,500	9,570	6,700	2,220	1,510	739
23	362	397	252	268	498	910	4,900	9,420	6,330	2,200	1,400	722
24	374	402	264	272	509	730	5,310	9,010	6,140	2,080	1,320	698
25	374	374	272	256	520	706	5,690	8,560	5,920	1,880	1,210	690
26	379	430	277	249	532	698	5,840	8,270	5,820	1,830	1,140	674
27	379	374	277	245	556	674	5,740	8,340	5,500	2,050	1,070	674
28	388	350	282	249	594	636	5,680	8,680	5,260	2,470	997	665
29	388	321	282	252	608	714	5,600	9,150	5,200	2,650	953	666
30	410	314	280	245	-	802	5,660	9,710	5,150	3,830	910	650
31	420	-	280	238	-	802	-	9,960	-	3,820	964	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,653	420	305	344	21,130
November	12,246	562	301	408	24,290
December	8,465	298	238	273	16,790
Calendar year 1935	465,119	12,400	238	1,274	922,600
January	7,870	288	227	254	15,610
February	12,094	608	252	417	23,990
March	24,582	944	636	793	48,760
April	83,954	5,840	354	2,798	166,500
May	253,330	11,900	5,710	8,172	502,500
June	248,490	14,700	5,150	8,283	492,900
July	91,090	4,830	1,830	2,938	180,700
August	75,824	6,020	910	2,446	150,400
September	28,444	1,580	650	948	56,420
Water year 1935-36	857,042	14,700	227	2,342	1,700,000

Green River at Green River, Utah

Location.- Water-stage recorder, lat. 39°0', 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 1936. December 1910 to June 1924 comparable records at Little Valley, 7 miles downstream.

Average discharge.- 36 years, 7,253 second-feet.

Extremes.- Maximum discharge during year, 29,100 second-feet May 20 (gage height, 11.45 feet); minimum daily discharge (computed), 800 second-feet Dec. 21, 22.
1894-99, 1905-36: Maximum discharge, 68,800 second-feet May 29, 1897 (gage height, about 16.5 feet, present datum); minimum discharge, 255 second-feet Nov. 26, 1931; minimum gage height, 4.08 feet Aug. 1, Dec. 5, 1934.

Remarks.- Records excellent except those for period of ice effect, Dec. 13 to Feb. 15, which are good and were computed on basis of 21 discharge measurements, gage heights, and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	958	1,140	1,440	1,200	1,300	2,040	2,050	19,000	24,400	9,510	4,710	2,480
2	947	1,160	1,330	1,150	1,400	2,040	1,970	18,400	26,200	8,830	5,520	2,430
3	947	1,190	1,200	1,100	1,300	2,000	2,000	17,800	26,200	8,600	7,500	3,750
4	936	1,260	1,140	1,100	1,200	2,000	2,110	16,600	25,600	8,380	9,510	3,500
5	947	1,290	903	1,100	1,250	2,000	2,240	15,400	25,600	7,940	8,830	3,140
6	969	1,330	903	1,100	1,250	2,040	2,290	15,400	25,000	7,080	9,970	3,260
7	958	1,380	870	900	1,200	2,070	2,220	17,800	23,800	6,260	11,400	2,690
8	947	1,400	914	1,000	1,150	2,140	1,930	20,800	23,200	5,520	10,200	2,430
9	947	1,400	1,020	1,100	1,100	2,330	1,900	22,600	22,000	5,020	8,600	2,480
10	947	1,380	1,000	1,200	1,150	2,690	2,020	22,000	20,200	5,520	7,290	2,580
11	936	1,380	969	1,100	1,150	2,800	2,020	19,600	19,000	13,000	5,880	2,430
12	914	1,380	969	1,150	1,200	2,690	2,020	16,600	17,800	8,160	5,020	2,520
13	914	1,380	1,000	1,050	1,250	2,390	2,090	15,400	17,200	6,660	4,860	3,030
14	914	1,370	1,050	1,100	1,350	2,690	2,480	15,400	16,600	5,520	4,710	2,800
15	903	1,370	980	1,200	1,450	2,580	3,030	17,800	16,000	5,520	4,010	2,430
16	903	1,460	900	1,150	1,600	2,480	3,260	20,800	15,400	5,180	4,010	2,260
17	903	1,520	820	1,100	1,700	2,450	4,280	22,600	15,400	6,260	3,880	2,130
18	903	1,480	820	1,000	1,800	2,480	6,260	25,000	14,880	7,720	4,010	2,020
19	903	1,460	820	900	1,950	2,390	7,290	26,800	15,400	7,500	3,750	1,950
20	914	1,420	820	1,100	1,830	2,310	8,830	28,100	15,400	6,660	3,380	1,900
21	914	1,400	800	1,100	1,920	2,280	10,200	28,800	15,400	5,700	3,750	1,880
22	947	1,400	800	900	1,920	2,130	12,000	27,500	14,850	5,020	3,620	1,810
23	947	1,380	840	900	1,970	2,180	13,500	26,200	14,000	4,710	3,620	1,780
24	947	1,430	900	950	2,000	2,160	15,400	25,000	13,200	4,420	3,620	1,730
25	969	1,460	930	1,000	2,050	2,180	17,200	24,400	12,700	4,140	3,030	1,690
26	980	1,490	950	1,050	2,130	2,200	18,400	23,200	12,200	3,880	2,690	1,600
27	1,020	1,550	1,000	1,100	2,040	2,220	19,000	22,600	11,400	3,620	2,480	1,560
28	1,060	1,580	1,050	1,100	2,040	2,240	19,000	22,600	11,000	4,140	2,310	1,490
29	1,090	1,500	1,100	1,100	2,050	2,240	19,000	22,600	10,200	3,880	2,180	1,490
30	1,100	1,460	1,150	1,300	-	2,130	19,600	22,600	9,740	3,500	2,240	1,520
31	1,140	-	1,200	1,300	-	2,090	-	23,200	-	3,750	3,380	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	29,724	1,140	903	959	58,960
November	41,800	1,580	1,140	1,393	82,910
December	30,588	1,440	800	987	60,670
Calendar year 1935	1,459,817	30,700	800	4,000	2,896,000
January	33,600	1,300	900	1,084	66,640
February	45,700	2,130	1,100	1,576	90,640
March	70,940	2,800	2,000	2,288	140,700
April	225,590	19,600	1,900	7,520	447,500
May	662,600	28,800	15,400	21,370	1,314,000
June	529,940	26,200	9,740	17,660	1,051,000
July	191,600	13,000	3,500	6,181	380,000
August	159,960	11,400	2,180	5,160	317,300
September	68,730	3,750	1,490	2,291	136,300
Water year 1935-36	2,090,772	28,800	800	5,713	4,147,000

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 7,349.88 feet above mean sea level (general adjustment of 1929).

Drainage area.- 124 square miles.

Records available.- October 1931 to September 1936.

Extremes.- Maximum discharge during year, 1,670 second-feet May 31 (gage height, 3.53 feet); minimum daily discharge, 7.8 second-feet July 20-24; possibly less during winter, when no record was obtained.
1931-36: Maximum discharge, that of May 31, 1936; minimum daily discharge, 1.7 second-feet July 16, 19, 1934.

Remarks.- Records good except those for May 6, June 6, 7, 25, computed on basis of records for North Piney Creek near Mason. No record Oct. 1 to Apr. 26. Diversions for irrigation above station.

Rating table, Apr. 27 to Sept. 30, 1936, (gage height, in feet, and discharge, in second-feet)

0.9	6	1.8	252
1.0	9	2.0	348
1.2	34	2.5	708
1.4	88	3.0	1,150
1.6	166	3.5	1,640

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	389	1,050	69	20	18
2							-	360	952	54	54	21
3							-	371	1,030	47	66	24
4							-	413	871	45	49	31
5							-	520	758	36	43	34
6							-	440	670	38	38	36
7							-	323	640	47	41	29
8							-	266	636	38	32	24
9							-	275	558	31	31	23
10							-	223	535	28	34	21
11							-	377	566	24	47	21
12							-	447	589	18	54	20
13							-	558	605	28	43	20
14							-	660	566	21	47	18
15							-	792	566	16	47	18
16							-	916	497	13	47	20
17							-	818	504	12	43	20
18							-	818	460	11	41	18
19							-	1,070	394	8.4	38	17
20							-	1,130	338	7.8	34	17
21							-	916	318	7.8	31	17
22							-	880	293	7.8	29	16
23							-	827	270	7.8	26	16
24							-	845	252	7.8	24	16
25							-	934	210	8.1	23	16
26							-	988	170	8.4	21	16
27							389	1,050	126	8.1	20	17
28							377	1,100	122	8.4	20	14
29							371	880	122	11	20	14
30							383	961	96	14	20	14
31							-	1,390	-	17	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 27-30	1,520	-	-	-	3,010
May	21,937	1,390	223	708	43,510
June	14,764	1,050	96	492	29,280
July	698.4	69	7.8	22.5	1,390
August	1,101	66	18	35.5	2,180
September	606	36	14	20.2	1,200
The period					80,570

New Fork near Boulder, Wyo.

Location.- Water-stage recorder, lat. 42°45', long. 109°44', in sec. 9, T. 32 N., R. 108 W., half a mile southwest of Boulder and an eighth of a mile above Boulder Creek. Prior to Sept. 6, 1936, staff gage at same location and datum.

Drainage area.- 578 square miles.

Records available.- May 1915 to September 1936.

Average discharge.- 21 years, 403 second-feet.

Extremes.- Maximum discharge observed during year, 4,220 second-feet June 2 (gage height, 6.35 feet); minimum probably occurred during winter.
1915-36: Maximum discharge observed, 12,300 second-feet June 17, 1918 (gage height, 8.7 feet); minimum, 42 second-feet Dec. 15-17, 1915.

Remarks.- Records excellent except those for period of ice effect, Nov. 29 to Apr. 15, which are fair and were computed on basis of two discharge measurements and weather records, and those for Apr. 26 to May 5 which are fair and were computed on basis of records for Green River at Warren Bridge. Diversions for irrigation above station.

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

Oct. 1 to Nov. 28				Apr. 16 to Sept. 6				Sept. 7-30	
1.6	57	2.2	127	3.0	414	5.0	2,000	2.1	124
1.8	81	2.4	186	3.5	668	5.5	2,660	2.2	146
2.0	114	2.6	254	4.0	1,005	6.0	3,510	2.3	169
2.2	160	2.8	328	4.5	1,450	6.5	4,530	2.4	193

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	71	72					115	290	3,510	1,360	605	160
2	68	80					110	310	4,110	1,050	583	164
3	69	82					75	365	3,660	942	567	160
4	73	81					105	350	3,190	887	551	186
5	71	123					135	425	3,020	825	501	200
6	71	134					150	506	2,300	812	427	170
7	71	81					145	556	1,880	851	410	171
8	71	92					140	610	1,790	813	401	162
9	68	98					135	551	1,880	815	382	158
10	68	100					130	556	1,770	812	345	151
11	68	109					135	610	1,750	812	388	148
12	68	123					140	668	1,770	916	345	146
13	66	125					160	760	1,790	1,160	328	144
14	64	116				*114	190	945	1,960	1,070	313	137
15	61	114					185	1,130	2,310	812	341	135
16	61	105					186	1,300	2,300	754	341	131
17	64	98					220	1,380	2,460	734	332	133
18	68	96		*76			254	1,330	2,380	692	341	135
19	66	93					240	1,200	2,340	656	341	135
20	71	93					414	1,260	2,220	610	320	131
21	76	96					610	1,280	2,130	622	309	148
22	72	96					668	1,310	2,020	567	301	131
23	69	96					1,100	1,310	1,960	556	317	139
24	68	103					805	1,210	1,950	747	301	135
25	68	112					656	1,240	1,960	779	294	133
26	71	114					585	1,430	1,930	618	279	128
27	68	112					460	1,570	1,790	710	247	124
28	68	112					375	1,740	1,800	627	240	135
29	66	108					300	1,740	1,550	680	237	142
30	66	104					290	1,850	1,480	605	227	151
31	68	-					-	2,280	-	578	186	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,118	76	61	68.3	4,200
November	3,068	134	72	102	6,080
December	2,852	-	-	92	5,660
Calendar year 1935	115,130	3,640	-	315	228,300
January	2,542	-	-	82	5,040
February	2,552	-	-	36	5,060
March	3,720	-	-	120	7,380
April	9,263	1,100	75	309	18,370
May	31,932	2,280	290	1,030	63,340
June	66,360	4,110	1,480	2,222	132,200
July	24,680	1,330	556	796	48,950
August	11,080	605	186	357	21,980
September	4,403	200	124	147	8,730
Water year 1935-36	164,870	4,110	-	450	327,000

*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., 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 1936.

Average discharge.- 21 years, 139 second-feet.

Extremes.- Maximum discharge during year, 1,140 second-feet June 2 (gage height, 3.60 feet); minimum daily discharge, 8.0 second-feet Oct. 1-10.
1915-36: Maximum discharge, 2,310 second-feet June 17, 1918 (gage height, 5.0 feet); minimum, 2 second-feet Apr. 1-26, May 6-8, 1931.

Remarks.- Records excellent except those for periods of ice effect, Dec. 11 to Mar. 12, Apr. 2-4, which are fair and were computed on basis of one discharge measurement and weather records. Diversions for irrigation above station. Flow regulated by Fremont Lake.

Rating tables, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet
(Shifting-control method used Mar. 15 to Apr. 1, June 1-20)

Oct. 1 to June 20				June 21 to Sept. 30			
1.0	2.5	2.0	184	1.4	37	2.4	303
1.2	18	2.5	370	1.6	71	2.6	394
1.4	42	3.0	642	1.8	116	2.8	512
1.6	77	3.5	1,025	2.0	170	3.0	642
1.8	126	4.0	1,500	2.2	232	3.5	1,025

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.0	15	37			30	39	126	974	462	119	58
2	8.0	24	38			29	38	129	1,100	345	106	56
3	8.0	22	36			28	37	132	1,020	328	119	58
4	8.0	25	32			27	37	129	924	316	145	65
5	8.0	30	32			26	36	132	790	299	116	62
6	8.0	20	37			25	44	134	690	299	65	58
7	8.0	26	39			29	42	137	636	292	62	58
8	8.0	27	48			30	29	123	623	288	63	56
9	8.0	29	44			28	47	113	591	303	63	56
10	8.0	28	45			25	33	132	566	292	65	56
11	9.0	38	40			24	29	157	527	288	82	54
12	11	37	41			25	33	175	636	324	84	52
13	11	37	42			27	50	187	690	355	86	52
14	11	29	38			30	66	213	746	299	90	50
15	11	34	36			32	68	244	828	206	99	49
16	11	24	30			44	69	270	915	185	99	43
17	11	22	25	*31		53	71	296	940	188	97	48
18	10	22	25			33	75	324	966	182	97	46
19	11	22	26			52	69	320	991	176	94	46
20	11	30	27			44	71	324	991	162	92	50
21	15	26	28			41	86	332	974	153	90	62
22	16	30	30			33	91	345	982	109	86	46
23	16	29	30			32	95	353	957	106	82	67
24	15	26	30			39	103	366	932	134	75	63
25	15	24	31			34	108	379	883	119	71	58
26	14	32	32			39	110	411	835	111	67	49
27	11	33	30			32	113	436	790	119	65	49
28	15	25	33			28	118	451	746	148	63	65
29	14	25	32			30	123	466	717	150	60	48
30	13	30	31			41	129	561	676	145	58	37
31	11	-	33			34	-	703	-	139	60	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	342.0	16	8.0	11.0	678
November	821	38	15	27.4	1,630
December	1,058	48	25	34.1	2,100
Calendar year 1935	39,105.3	1,200	6.9	107	77,560
January	1,023	-	-	33	2,030
February	1,015	-	-	35	2,010
March	1,024	53	24	33.0	2,030
April	2,055	129	29	68.5	4,080
May	8,600	703	113	277	17,060
June	24,706	1,100	566	824	49,000
July	7,022	462	106	227	13,930
August	2,620	145	58	84.5	5,200
September	1,617	67	37	53.9	3,210
Water year 1935-36	51,903	1,100	8.0	142	103,000

*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 1936.

Extremes.- Maximum discharge during year, 504 second-feet June 1 (gage height, 3.90 feet); minimum occurred during winter.
1915-16, 1931-36: Maximum discharge, 613 second-feet June 19, 1916 (gage height, 3.93 feet); minimum probably occurred during winter.

Remarks.- Records excellent. Discharge estimated for Oct. 11-14, 25-31. No record Nov. 1 to Apr. 29. Small diversions above station.

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

1.0	14	2.2	123
1.2	23	2.4	158
1.4	35	2.6	198
1.6	52	3.0	284
1.8	72	3.5	402
2.0	95	4.0	530

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20						-	46	488	174	73	37
2	20						-	57	431	153	78	34
3	20						-	66	383	140	84	37
4	20						-	83	335	132	68	43
5	20						-	90	347	128	65	39
6	20						-	81	323	123	64	35
7	20						-	68	342	112	60	34
8	19						-	49	347	108	57	33
9	18						-	44	308	107	55	33
10	18						-	50	293	105	56	32
11	18						-	63	311	103	54	31
12	18						-	73	359	116	51	31
13	18						-	85	404	118	50	31
14	18						-	108	409	102	48	31
15	18						-	284	429	91	49	30
16	18						-	337	436	88	48	27
17	18						-	302	421	80	47	25
18	18						-	282	419	68	48	26
19	18						-	291	407	69	46	26
20	18						-	302	390	70	45	26
21	18						-	284	380	70	42	25
22	18						-	264	359	63	41	25
23	18						-	256	344	66	39	25
24	18						-	271	320	80	37	25
25	17						-	304	311	73	37	25
26	17						-	335	280	69	35	25
27	17						-	380	255	65	34	24
28	17						-	385	247	66	34	24
29	17						-	413	258	78	34	24
30	17						52	449	200	73	33	24
31	17						-	478	-	70	37	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	566	20	17	18.2	1,120
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	6,582	478	44	212	13,060
June	10,566	488	200	352	20,960
July	2,965	174	65	95.6	5,880
August	1,551	84	33	50.0	3,080
September	887	43	24	29.6	1,760
Water year					

Labarge Creek near Labarge, Wyo.

Location.- Water-stage recorder, lat. 42°14', long. 110°12', in sec. 18, T. 26 N., R. 112 W., 2 miles south of Labarge. Prior to July 15, 1936, datum 1 foot higher.

Drainage area.- 193 square miles.

Records available.- April 1932 to September 1936.

Extremes.- Maximum discharge during year, 442 second-feet May 16 (gage height, 2.57 feet, former datum); minimum daily discharge, 2.3 second-feet Oct. 1.
1932-36: Maximum discharge, that of May 16, 1936; no flow July 6-17, 1934.

Remarks.- Records excellent except those for period of ice effect, Nov. 2 to Apr. 11, computed on basis of two discharge measurements and weather records, and those for Aug. 10-14, computed on basis of recorded range in stage and weather records, which are fair. Diversions for irrigation above station.

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

Oct. 1 to Nov. 1		Apr. 12 to Sept. 30 (July 15 to Sept. 30 datum 1 foot lower)					
0.1	1.1	0	7.2	0.8	55	1.8	246
.2	2.6	.1	9.9	1.0	77	2.0	294
.4	8.4	.2	13.6	1.2	110	2.2	346
.6	20	.4	23	1.4	152	2.5	424
.8	41	.6	37	1.6	198	3.0	558

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	32						184	424	47	64	68
2	2.4							198	411	37	64	68
3	2.6						38	215	362	29	75	70
4	3.1							258	351	20	69	76
5	3.1							297	338	18	99	76
6	3.8							382	282	17	80	73
7	3.8							346	272	15	64	73
8	3.8						70	239	263	14	55	77
9	3.8							234	251	12	49	76
10	3.1							263	224	11	47	75
11	3.8						60	297	215	12	45	76
12	4.0					*45	253	356	210	37	50	74
13	4.0						132	380	198	68	80	73
14	4.4						114	403	203	34	105	72
15	7.0						112	421	198	13	99	74
16	8.4			*42			105	427	210	11	96	73
17	8.9						103	427	193	9.1	83	73
18	10						106	406	176	8.6	83	73
19	10						110	369	156	8.0	83	72
20	10						120	367	126	9.4	89	72
21	17						141	395	120	12	86	72
22	32						165	367	108	14	83	72
23	31						184	330	99	16	78	69
24	40						196	325	99	14	75	65
25	36						203	325	90	15	75	62
26	27						193	338	83	14	74	67
27	26						191	356	58	16	73	66
28	26						179	377	57	41	73	64
29	27						176	364	86	43	73	59
30	33						174	364	54	105	70	57
31	33						-	385	-	69	68	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	430.3	40	2.3	13.9	853
November	1,320	-	-	44	2,620
December	1,302	-	-	42	2,580
Calendar year 1935	12,081.2	322	.6	33.1	23,960
January	1,178	-	-	38	2,340
February	1,160	-	-	40	2,300
March	1,426	-	-	46	2,830
April	3,557	253	-	119	7,060
May	10,395	427	184	335	20,620
June	5,917	424	54	197	11,740
July	789.1	105	8.0	25.5	1,570
August	2,307	105	45	74.4	4,580
September	2,117	77	57	70.6	4,200
Water year 1935-36	31,898.4	427	2.3	87.2	63,290

*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 1936.

Extremes.- Maximum discharge observed during year, 513 second-feet May 17 (gage height, 2.75 feet); minimum daily discharge, 8.5 second-feet Oct. 1.
1915-19, 1931-36: Maximum discharge observed, 900 second-feet May 22, 1917 (gage height, 2.7 feet, former datum); no flow Aug. 1-5, Aug. 23 to Sept. 15, 1934.

Remarks.- Records good except those for periods of ice effect, Nov. 4-7, 12-23, Dec. 5 to Apr. 9, computed on basis of two discharge measurements, gage heights, and weather records, and those estimated for Apr. 14, 15, which are fair. Diversions for irrigation above station.

Rating table, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 4 to Sept. 30)

0.5	8	1.6	183
.6	13	1.8	232
.8	28	2.0	283
1.0	54	2.2	338
1.2	92	2.5	428
1.4	136	2.8	527

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.5	16	17	26	17	28	13	305	460	74	92	37
2	9.5	15	22	25	19	27	15	338	450	58	84	35
3	9.0	18	20	24	17	29	17	347	382	51	159	40
4	9.0	19	27	26	16	29	19	400	352	52	94	43
5	9.0	22	22	27	19	30	18	460	352	51	181	43
6	9.0	24	24	20	21	31	20	493	302	51	80	48
7	9.0	28	25	17	17	27	28	367	278	41	76	41
8	9.0	23	24	17	18	28	25	294	270	38	67	38
9	9.5	14	25	19	22	29	33	296	254	38	63	37
10	10	14	26	22	27	22	38	327	234	41	59	36
11	10	10	24	26	28	23	20	355	224	68	65	36
12	10	14	26	23	28	25	125	388	214	118	61	36
13	10	16	27	24	27	23	72	416	207	116	52	34
14	10	16	20	23	28	23	58	450	205	82	49	34
15	10	18	23	25	27	22	44	476	193	76	48	36
16	10	18	19	23	25	25	32	500	193	70	46	34
17	10	19	18	22	23	29	44	503	164	61	44	35
18	10	18	18	20	21	25	96	470	164	54	37	36
19	10	17	19	15	23	26	148	428	141	49	36	36
20	10	19	20	17	28	30	183	428	129	46	37	36
21	10	20	22	19	35	27	247	425	118	44	36	36
22	10	32	24	20	42	17	296	403	105	41	36	36
23	11	28	25	25	34	15	361	376	99	40	36	34
24	10	23	25	23	27	19	391	361	116	38	35	33
25	12	16	26	18	25	21	358	361	105	46	31	34
26	12	28	28	12	27	19	321	367	86	46	34	37
27	12	19	27	14	25	20	332	406	76	46	34	41
28	12	29	30	11	27	23	316	422	78	44	35	41
29	12	27	29	21	28	22	321	425	127	70	36	38
30	19	25	28	19	-	19	291	428	94	66	32	36
31	22	-	29	17	-	15	-	434	-	105	33	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	333.5	22	8.5	10.8	661
November	605	32	10	20.2	1,200
December	739	30	17	23.8	1,470
Calendar year 1935	14,083.7	422	5.6	38.6	27,940
January	640	27	11	20.6	1,270
February	721	42	16	24.9	1,430
March	748	31	15	24.1	1,480
April	4,282	391	13	143	8,490
May	12,449	503	294	402	24,690
June	6,172	460	76	206	12,240
July	1,820	118	38	58.7	3,610
August	1,808	181	31	58.3	3,590
September	1,117	48	33	37.2	2,220
Water year 1935-36	31,434.5	503	8.5	85.9	62,350

Henrys Fork at Linwood, Utah

Location.- Staff gage, lat. 41°0', 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 1936.

Extremes.- Maximum discharge observed during year, 6,750 second-feet, determined by slope-area method, Aug. 3 (gage height, 7.19 feet); minimum daily discharge, 0.8 second-foot Oct. 1, 6.
1929-36: Maximum discharge observed, that of Aug. 3, 1936; no flow during several days in 1934 and 1935.

Remarks.- Records good except those for periods of ice effect, Nov. 28-30, Dec. 15 to Mar. 21, computed on basis of two discharge measurements and weather records, which are fair, and those estimated for Aug. 3-21, which are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8	14	33				50	14	80	6.4	470	81
2	.9	10	33				51	11	140	5.0	665	76
3	.9	22	33			45	45	7.6	121	5.0	3,550	92
4	.9	20	33				44	5.8	68	4.8	1,460	113
5	.9	19	33				52	4.6	75	5.5	159	92
6	.8	29	35				77	5.3	93	4.6	162	81
7	1.0	25	38				80	6.0	67	4.1	317	79
8	1.0	30	42				84	6.8	38	2.6	109	78
9	1.1	30	41			42	71	7.6	26	3.4	82	76
10	1.1	26	43	*16			89	8.6	20	4.6	80	76
11	1.1	17	42				89	11	17	5.5	418	79
12	1.1	21	41				95	12	13	128	120	96
13	1.1	30	41				82	20	9.2	441	110	84
14	1.4	31	39			40	80	44	6.6	157	100	83
15	1.4	36	35				57	151	4.6	65	95	82
16	2.1	36					52	188	11	63	95	74
17	2.8	36					49	101	23	111	90	70
18	2.1	32	22				43	128	8.8	75	90	68
19	3.0	31				40	43	128	5.3	38	90	65
20	3.2	32					43	118	4.6	35	90	64
21	3.4	37					38	43	133	5.3	59	90	64
22	4.6	36					38	32	86	5.3	41	87	63
23	6.8	38	26				39	30	59	5.0	67	85	63
24	6.0	38					41	28	47	4.6	228	84	62
25	6.0	37					44	26	51	4.6	60	84	59
26	7.2	31					43	26	65	11	57	78	57
27	6.4	30					45	23	77	6.0	49	74	56
28	7.6	30					44	22	87	5.5	34	74	66
29	8.0	30	24				45	19	63	21	312	73	69
30	9.6	29					44	16	46	14	494	73	69
31	11	-					43	-	44	-	702	78	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	105.3	11	0.8	3.40	209
November	863	38	10	28.8	1,710
December	946	42	-	30.5	1,880
Calendar year 1935	15,449.6	1,020	.2	42.3	30,650
January	620	-	-	20	1,230
February	812	-	-	28	1,610
March	1,299	-	-	41.9	2,580
April	1,541	95	16	51.3	3,060
May	1,816.5	188	4.6	58.6	3,600
June	913.6	140	4.6	30.5	1,810
July	3,267.5	702	2.6	105	6,480
August	9,232	3,550	73	298	18,310
September	2,239	113	57	74.6	4,440
Water year 1935-36	23,654.9	3,550	.8	64.6	46,920

*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.

Drainage area.- 73 square miles.

Records available.- July 1929 to September 1936.

Extremes.- Maximum discharge observed during year, 4,360 second-feet, determined by slope-area method, Aug. 2 (gage height, 9.60 feet); minimum daily discharge, 0.1 second-foot July 17, 18.
1929-36: Maximum discharge observed, that of Aug. 2, 1936; no flow June 27, 30, July 2, 5-7, 17, 18, 25, 1934.

Remarks.- Records good except those for period of ice effect, Jan. 1 to Mar. 18, computed on basis of one discharge measurement and weather records, and those estimated for Mar. 20, 21, Aug. 2, 4-22, which are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.5	1.7	2.5				3.5	1.2	0.8	0.2	2.6	16
2	1.5	1.7	2.6				3.5	1.2	.8	.2	420	24
3	1.4	1.7	2.6			5.0	3.5	1.2	.8	.2	62	32
4	1.3	1.7	3.1				3.7	1.3	.8	.2	60	43
5	1.5	1.7	3.1				3.7	1.7	.5	.2	58	34
6	1.5	1.7	3.5				3.5	2.2	.6	.2	57	34
7	1.4	1.7	4.1				4.2	1.3	.6	.2	57	32
8	1.5	1.7	4.1			4.0	4.4	.8	.7	.2	55	30
9	1.5	1.7	3.9				3.9	.7	.7	.2	50	29
10	1.3	1.7	3.2	*4.9			3.5	.7	.7	.2	45	25
11	1.4	2.3	3.1				3.9	.8	.7	.2	40	26
12	1.3	4.1	3.1				3.9	1.2	.7	.2	35	27
13	1.3	4.1	3.3			3.5	4.1	1.6	.8	.2	35	44
14	1.6	3.9	3.2				4.2	1.5	.7	.2	40	38
15	1.9	3.5	3.5				4.8	1.7	.5	.2	74	37
16	1.9	3.7	3.2				5.8	1.4	.6	.2	54	36
17	1.7	3.7	3.2			3.4	5.8	1.8	.5	.1	50	29
18	1.5	3.3	3.1				5.5	1.7	.4	.1	45	28
19	1.5	3.5	2.9			3.2	5.5	1.9	.3	.2	40	26
20	1.5	3.3	2.9			3.4	5.2	1.7	.3	.2	35	23
21	1.5	3.3	2.8			3.6	5.2	1.0	.3	.2	30	23
22	1.6	3.3	2.8			3.7	3.9	.5	.3	.2	25	23
23	1.5	3.1	2.7			4.2	3.9	.7	.3	16	21	22
24	1.5	3.1	2.6			3.9	3.3	.6	.3	2.0	23	23
25	1.7	2.9	2.7			3.5	2.9	.7	.2	.8	20	21
26	1.7	2.7	2.6			3.7	2.6	.8	.3	.9	16	21
27	1.7	2.5	2.6			3.5	2.2	.6	.3	.8	16	21
28	1.7	2.3	2.5			3.7	1.7	.6	.3	.7	16	22
29	1.7	2.6	2.3			3.7	1.5	.5	.2	1.5	16	22
30	1.7	2.6	2.3			3.9	1.5	.4	.2	1.6	17	22
31	1.7	-	2.3			3.5	-	.4	-	2.2	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	48.0	1.9	1.3	1.55	95
November	80.8	4.1	1.7	2.69	160
December	92.4	4.1	2.3	2.98	183
Calendar year 1935	1,860.9	85	.2	5.10	3,690
January	124	-	-	4.0	246
February	121.8	-	-	4.2	242
March	120.2	-	-	3.88	238
April	114.8	5.8	1.5	3.83	228
May	34.3	2.2	.4	1.11	68
June	15.2	.8	.2	.51	30
July	30.7	16	.1	.99	61
August	1,530.6	420	2.6	49.4	3,040
September	833	44	16	27.8	1,650
Water year 1935-36	3,145.8	420	.1	8.60	6,240

*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, January 1914 to September 1926 (monthly discharge), October 1933 to September 1936 in reports of U. S. Geological Survey; May 1904 to October 1906, March 1910 to September 1936 in reports of State engineer.

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

Extremes.- Maximum discharge during year, 4,080 second-feet May 29 (gage height, 5.48 feet); minimum daily discharge observed, 67 second-feet Oct. 10, 12, Sept. 25, 26; discharge may have been less during period of no record.
1904-6, 1910-36: 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 excellent except those estimated for Oct. 25-28, Nov. 6, 23-30, May 2, 3, June 2, July 2-5, 14, 15, 31, Aug. 1, 2, which are fair. No record Dec. 1 to Mar. 26. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	85	96				-	139	1,400	3,200	419	200	120
2	75	120				-	136	1,450	2,650	400	200	111
3	75	127				-	130	1,500	2,100	350	228	105
4	75	123				-	125	1,780	2,090	300	264	100
5	79	98				-	136	2,120	1,870	270	200	96
6	77	110				-	136	2,480	1,570	238	183	90
7	7[illegible]	136				-	132	1,980	1,660	194	186	88
8	75	141				-	144	1,540	2,000	177	172	86
9	70	141				-	158	1,260	1,960	164	156	83
10	67	134				-	180	1,200	1,810	188	154	81
11	68	116				-	242	1,400	1,860	419	156	114
12	67	111				-	347	1,810	1,850	576	151	118
13	72	141				-	526	2,220	1,710	448	164	107
14	75	136				-	770	2,380	1,660	400	151	98
15	75	109				-	1,080	2,690	1,680	300	144	85
16	75	85				-	1,430	3,100	1,650	221	136	85
17	79	103				-	1,660	3,490	1,380	203	134	85
18	77	114				-	1,870	3,410	1,250	256	134	83
19	79	107				-	2,040	3,320	1,080	221	127	83
20	83	96				-	2,240	3,560	959	177	130	85
21	94	92				-	2,430	3,660	966	161	134	79
22	92	85				-	2,610	3,410	980	154	132	77
23	85	85				-	2,470	3,220	819	141	118	75
24	90	85				-	2,260	3,290	652	134	114	70
25	90	85				-	2,090	3,450	623	127	98	67
26	90	85				-	2,010	3,520	543	130	85	67
27	95	85				132	1,980	3,520	488	151	81	74
28	100	85				125	1,750	3,550	472	158	79	86
29	120	85				125	1,730	3,550	582	166	77	92
30	120	85				134	1,590	3,490	526	194	75	98
31	107	-				139	-	3,480	-	194	88	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,586	120	67	83.4	5,130
November	3,201	141	85	107	6,350
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 27-31	655	139	125	131	1,300
April	34,541	2,610	125	1,151	68,510
May	82,230	3,660	1,200	2,653	163,100
June	42,640	3,200	472	1,421	84,580
July	7,631	576	127	246	15,140
August	4,451	264	75	144	8,830
September	2,688	120	67	89.6	5,330
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 1917 to September 1926 (monthly discharge), October 1933 to September 1936 in reports of U. S. Geological Survey; April 1916 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 10,600 second-feet May 18 (gage height, 7.09 feet); minimum daily discharge, 120 second-feet Sept. 10, 24-26.
1916-36: Maximum discharge observed, 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 for Oct. 23-26, Oct. 31 to Nov. 16, Nov. 29, 30, Apr. 1-8, May 6-16, computed on basis of records for adjacent stations. No record Dec. 1 to Mar. 12. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	163	200				-	520	7,080	8,220	1,710	773	135
2	166	200				-	520	6,060	8,280	1,490	581	138
3	163	220				-	510	5,560	6,720	1,310	560	149
4	160	220				-	500	6,890	5,190	1,140	504	149
5	152	220				-	510	6,680	4,760	1,020	490	146
6	149	200				-	520	7,000	4,800	940	525	146
7	149	210				-	520	7,500	4,170	890	511	138
8	149	220				-	530	6,600	3,830	818	455	129
9	149	250				-	567	6,500	4,560	728	441	123
10	142	250				-	616	6,100	5,140	638	420	120
11	142	250				-	737	6,000	4,800	630	396	142
12	138	220				-	1,080	6,200	4,620	616	384	149
13	138	220				497	1,560	6,700	4,860	930	372	152
14	135	250				476	2,080	7,000	4,980	1,080	360	152
15	138	250				448	2,740	7,100	4,700	940	349	156
16	142	250				427	3,510	7,500	4,780	782	332	156
17	146	270				448	4,360	9,720	4,900	678	316	146
18	146	255				455	5,650	10,500	4,420	616	300	135
19	152	246				441	6,600	9,640	3,900	553	285	132
20	156	265				427	7,160	9,140	3,700	539	300	129
21	166	270				408	7,800	9,170	3,320	525	295	126
22	174	237				490	8,420	9,200	3,170	483	255	126
23	175	219				560	9,220	8,750	3,220	434	242	126
24	165	198				525	9,590	7,850	2,800	396	232	120
25	165	228				497	8,880	7,710	2,480	372	219	120
26	200	250				504	8,960	7,850	2,280	354	202	120
27	228	250				462	9,400	8,050	2,110	327	190	126
28	242	232				396	9,200	8,300	1,920	338	170	135
29	246	230				441	8,050	8,150	1,760	338	163	135
30	250	230				490	8,250	7,950	1,740	490	152	135
31	250	-				553	-	8,200	-	518	142	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,236	250	135	169	10,390
November	7,010	270	198	234	13,900
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 13-31	8,945	560	396	471	17,740
April	128,560	9,590	500	4,285	255,000
May	236,650	10,500	5,560	7,634	469,400
June	126,130	8,280	1,740	4,204	250,200
July	22,623	1,710	327	730	44,870
August	10,916	773	142	352	21,650
September	4,091	156	120	136	8,110
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. (Same location as station designated near Clark, 1910-22.)

Drainage area.- 206 square miles.

Records available.- May 1910 to November 1913, December 1913 to September 1922 (monthly discharge), October 1933 to September 1936 in reports of U. S. Geological Survey; May 1910 to September 1922, April 1930 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 2,990 second-feet May 5 (gage height, 4.65 feet); minimum daily discharge observed, 38 second-feet Oct. 7, 10, 11, Sept. 22. 1910-22, 1930-36: Maximum daily discharge, 4,470 second-feet June 6, 9, 1912; minimum discharge observed, 22 second-feet Apr. 7, 1935 (gage height, 0.62 foot).

Remarks.- Records good except those estimated for Nov. 22-30, which are fair. No records Dec. 1 to Apr. 20. Practically no diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	48	67					-	979	2,100	518	143	78
2	48	67					-	1,220	1,510	460	131	60
3	49	67					-	1,590	1,270	430	178	60
4	50	67					-	1,930	1,300	410	161	55
5	50	64					-	2,540	1,300	400	136	54
6	41	55					-	2,180	1,190	390	122	54
7	38	43					-	1,490	1,150	348	131	50
8	39	52					-	1,080	1,490	326	108	44
9	39	64					-	1,010	1,540	326	100	42
10	38	66					-	1,490	1,420	318	108	64
11	38	66					-	1,490	1,460	542	106	80
12	39	66					-	1,920	1,600	405	119	58
13	39	66					-	1,970	1,580	335	100	50
14	39	66					-	2,180	1,570	286	98	48
15	40	61					-	2,330	1,600	264	94	44
16	49	58					-	2,600	1,570	254	87	44
17	52	58					-	2,450	1,440	254	76	43
18	50	58					-	2,330	1,370	282	76	41
19	55	78					-	2,230	1,330	230	75	41
20	54	82					-	2,230	1,220	208	80	41
21	52	82					1,160	2,140	1,240	187	82	39
22	52	80					1,360	1,990	1,080	158	76	38
23	54	80					885	1,870	928	136	68	39
24	54	75					1,060	1,940	885	128	61	39
25	50	75					1,520	2,040	860	124	58	40
26	50	70					1,800	2,120	885	128	55	43
27	54	70					1,980	2,120	725	148	55	49
28	52	70					1,690	2,030	725	161	54	54
29	56	70					1,520	1,980	718	190	50	58
30	61	70					1,580	2,060	596	161	50	50
31	67	-					-	2,160	-	150	58	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,497	67	38	48.3	2,970
November	2,013	82	43	67.1	3,990
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 21-30	14,555	1,980	885	1,456	28,870
May	59,689	2,600	979	1,925	118,400
June	37,552	2,100	596	1,255	74,680
July	8,651	542	124	279	17,160
August	2,896	178	50	93.4	5,740
September	1,500	80	38	50.0	2,980
Water year					

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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 1936 in reports of U. S. Geological Survey; June to August 1904, May 1922 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 6,590 second-feet Aug. 3 (gage height, 5.92 feet); no flow Sept. 21-26.
1904, 1922-36: Maximum discharge, 14,200 second-feet May 27, 1926 (gage height, 10.5 feet); no flow at times during 1924, 1930, 1931, 1934-36.

Remarks.- Records excellent above 1,000 second-feet, good between 500 and 1,000 second-feet, and fair below 500 second-feet. Discharge estimated Nov. 1-12, 28-30. No records Dec. 1 to Mar. 11. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.0	10				-	200	2,950	2,120	226	118	6.6
2	3.0	15				-	185	2,360	2,180	191	1,110	5.8
3	3.0	15				-	131	2,040	2,180	176	2,450	5.2
4	2.4	20				-	125	2,070	1,760	128	1,160	6.2
5	2.6	25				-	120	2,950	1,400	94	550	3.4
6	2.4	30				-	115	3,490	1,370	74	385	2.4
7	1.8	30				-	140	4,030	1,680	62	371	2.0
8	1.8	30				-	140	3,410	1,530	50	304	1.6
9	1.4	30				-	262	2,400	1,260	44	262	1.2
10	1.2	30				-	278	2,040	1,200	42	229	1.4
11	1.0	30				-	206	1,870	1,160	42	58	8.8
12	1.0	34				425	218	2,360	1,040	70	39	7.6
13	1.0	34				299	290	2,950	950	112	30	6.2
14	1.0	22				206	454	3,150	923	32	21	5.0
15	1.0	40				218	655	3,330	887	82	16	4.0
16	1.0	55				212	869	3,600	833	105	17	3.0
17	1.0	90				170	1,200	3,870	788	74	19	2.4
18	1.0	100				140	1,440	3,990	738	34	14	1.6
19	.9	90				143	1,660	3,740	648	14	13	.8
20	1.0	90				140	1,780	3,250	550	9.8	12	.2
21	1.2	100				152	1,990	3,200	502	9.0	12	0
22	1.2	90				140	2,060	3,190	472	7.8	15	0
23	1.4	90				164	2,390	2,980	436	7.0	31	0
24	1.4	110				206	2,720	2,590	385	6.4	15	0
25	2.2	90				158	2,710	2,340	335	6.0	12	0
26	3.0	100				143	2,850	2,240	294	6.2	30	0
27	3.0	90				152	3,010	2,250	262	6.6	16	.2
28	3.0	90				155	3,090	2,280	243	6.2	10	.2
29	3.0	90				143	2,750	2,340	308	31	8.8	.2
30	3.0	90				122	2,900	2,220	294	50	7.8	.2
31	9.0	-				164	-	2,070	-	212	7.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	63.9	9.0	0.9	2.06	127
November	1,760	110	10	58.7	3,490
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 12-31	3,652	425	122	183	7,240
April	36,978	3,090	115	1,233	73,340
May	87,550	4,030	1,870	2,824	173,700
June	28,728	2,180	243	958	56,980
July	2,010.0	226	6.0	64.8	3,990
August	7,342.6	2,450	7.0	237	14,560
September	76.2	8.8	0	2.54	151
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 1936 in reports of U. S. Geological Survey; May 1910 to May 1912, June 1931 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 689 second-feet May 6 (gage height, 6.64 feet), from rating curve extended above 400 second-feet; no flow Aug. 18, 25-27. 1910-12, 1931-36: Maximum daily discharge, 1,700 second-feet May 19, 1912; no flow Aug. 2-10, 1934, Aug. 18, 25-27, 1936.

Remarks.- Records fair. Discharge estimated Dec. 21-31, July 1-6 from gage observer's reports. No records Jan. 1 to Mar. 28. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.1	12	9.0			-	13	181	343	15	5.1	2.7
2	7.1	13	9.0			-	9.2	166	223	12	5.3	4.4
3	7.2	13	9.8			-	13	316	162	9.0	11	4.0
4	7.5	11	11			-	12	496	143	8.1	7.1	4.2
5	7.5	8.9	11			-	14	555	147	8.2	5.4	4.2
6	7.3	14	13			-	12	557	153	7.8	3.4	4.0
7	7.2	12	14			-	13	260	138	7.4	1.1	4.2
8	7.2	10	13			-	16	184	138	6.2	1.3	4.2
9	7.7	11	13			-	16	194	137	6.5	1.0	3.7
10	7.9	9.6	10			-	17	218	112	6.8	1.4	3.8
11	8.0	5.9	13			-	23	337	97	13	1.0	5.0
12	8.5	10	13			-	34	373	93	23	1.0	5.3
13	8.0	14	13			-	48	384	88	16	.5	4.9
14	7.7	11	14			-	62	400	81	12	.5	4.6
15	8.0	10	12			-	80	445	74	8.9	.2	4.4
16	8.2	12	9.8			-	101	460	73	8.0	.4	5.0
17	8.9	13	11			-	130	425	62	18	.3	6.0
18	8.8	13	11			-	148	339	50	12	0	6.3
19	9.2	12	12			-	181	337	42	8.0	.9	6.2
20	9.4	9.0	11			-	195	346	36	6.2	1.4	6.2
21	10	10	11			-	208	333	32	5.5	2.0	5.9
22	8.4	7.7	11			-	230	276	27	5.4	2.3	6.1
23	7.5	12	10			-	247	249	24	4.4	1.2	6.0
24	8.4	9.4	10			-	262	230	22	4.6	.6	6.0
25	12	13	10			-	306	239	26	3.2	0	5.9
26	12	13	10			-	316	249	85	3.3	0	6.9
27	10	12	10			-	314	278	33	3.2	0	8.3
28	11	8.4	10			-	280	289	23	2.9	1.4	8.5
29	12	8.0	10			14	341	265	23	5.8	1.8	8.6
30	9.2	10	10			14	255	274	22	7.7	1.7	8.5
31	9.2	-	10			14	-	293	-	6.1	2.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	268.1	12	7.1	8.65	532
November	327.9	14	5.9	10.9	650
December	344.6	14	9.0	11.1	684
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	3,896.2	341	9.2	130	7,730
May	9,948	557	166	321	19,730
June	2,709	343	22	90.3	5,370
July	264.2	23	2.9	8.52	524
August	62.8	11	0	2.03	125
September	164.0	8.6	2.7	5.47	325
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 1936. 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.- 20 years (1914-16, 1918-36), 105 second-feet.

Extremes.- Maximum discharge during year, 475 second-feet May 15 (gage height, 7.3 feet); minimum observed, 17 second-feet Mar. 2-9, 25.
1911-36: Maximum discharge, 2,050 second-feet May 29, 1921; minimum observed, that of Mar. 2-9, 25, 1936.

Remarks.- Records fair. No diversions above station.

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

5.6	13
5.7	20
5.8	30
6.0	58
6.2	97
6.4	145
6.6	201
6.8	265
7.0	338

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	28	25	*22	*19	*18	19	†67	156	84	86	67
2	31	30	25	22	*19	*17	19	†66	161	82	82	65
3	33	30	25	*21	*19	*17	19	†70	161	80	89	97
4	33	30	25	*21	*19	*17	19	†110	158	78	80	80
5	33	29	25	*20	*19	*17	20	†150	169	76	91	71
6	33	30	25	*20	*19	*17	*20	†200	161	74	115	65
7	33	30	24	*19	*19	17	*20	†175	138	72	108	63
8	33	28	24	19	*19	*17	*20	†150	120	71	84	62
9	33	29	24	19	*19	*17	*19	†200	111	69	78	62
10	33	30	23	*19	*19	*18	*19	235	111	69	76	62
11	33	28	23	*19	*19	*18	19	290	102	71	76	80
12	33	29	23	*19	*19	18	22	293	99	76	74	78
13	34	29	23	*19	*19	*18	24	300	99	78	76	82
14	33	28	23	19	19	*18	26	323	97	74	76	74
15	31	26	22	*19	*19	*18	26	334	97	67	74	67
16	33	26	*22	*19	*19	*18	26	293	102	67	82	67
17	31	26	*22	*19	*18	*18	†29	242	102	65	78	67
18	30	26	*22	*19	18	*18	†33	226	102	69	76	69
19	31	27	*23	*19	*18	18	†37	223	104	69	71	71
20	31	26	*23	*19	*18	18	†40	201	106	65	72	71
21	30	27	*23	*19	*18	18	†45	172	104	63	72	69
22	31	27	23	*19	*18	19	†50	156	104	62	74	69
23	29	27	*23	19	*18	18	†55	148	97	58	72	65
24	28	27	*23	*19	*18	18	†55	148	91	58	71	62
25	29	27	*23	*19	18	17	58	150	91	56	67	60
26	30	27	*22	*19	*18	18	†64	142	89	56	69	56
27	30	26	*22	*19	*18	18	69	148	91	58	67	56
28	*30	26	22	*19	*18	18	72	142	89	60	67	56
29	*29	26	*22	*19	*18	18	69	135	91	69	65	55
30	*28	25	*22	19	-	19	†70	128	93	86	65	56
31	28	-	*22	*19	-	19	-	135	-	78	65	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	970	34	28	31.3	1,920
November	830	30	25	27.7	1,650
December	718	25	22	23.2	1,420
Calendar year 1935	31,833	900	22	87.2	63,140
January	601	22	19	19.4	1,190
February	538	19	18	18.6	1,070
March	552	19	17	17.8	1,090
April	1,083	70	19	36.1	2,150
May	5,752	334	66	186	11,410
June	3,396	169	89	113	6,740
July	2,160	86	56	69.7	4,280
August	2,398	115	65	77.4	4,760
September	2,024	97	55	67.5	4,010
Water year 1935-36	21,022	334	17	57.4	41,700

*Interpolated.

†Computed on basis of records for Whiterocks River near Whiterocks.

Duchesne River at Provo River Trail, near Hanna, Utah

(Formerly published as North Fork of Duchesne River at Provo River Trail, near Hanna, Utah)

Location.- Water-stage recorder, lat. 40°37', long. 110°54', in SE¼ sec. 27, T. 3 N., R. 9 W. Uinta meridian, 400 feet below Provo River Trail bridge, 7 miles above Hades Creek, and 12 miles northwest of Hanna. Altitude, about 8,120 feet.

Drainage area.- 39 square miles.

Records available.- July 1929 to September 1933, October 1935 to September 1936.

Extremes.- Maximum discharge during year, 768 second-feet May 29 (gage height, 3.48 feet); minimum not determined.
1929-33, 1935-36: Maximum discharge, 888 second-feet June 24, 1932; minimum (estimated), 1 second-foot Aug. 30, 31, 1931.

Remarks.- Records good except those for Oct. 1 to May 6, Sept. 26-30, which are fair and were computed on basis of records for station near Tabiona. Records show flow of water at the proposed diversion tunnel to Provo River.

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

0.6	8	1.8	117
.8	15	2.0	169
1.0	25	2.3	238
1.2	38	2.6	339
1.4	57	3.0	510
1.6	83	3.5	780

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								100	472	67	112	20
2								96	314	59	91	23
3								100	250	55	77	43
4								110	238	50	69	41
5								130	229	47	68	29
6								140	224	43	64	26
7								129	269	41	56	23
8								125	310	39	51	22
9								157	300	46	46	20
10								238	296	73	44	20
							10					
11								335	314	80	42	20
12								432	358	204	39	20
13								515	366	137	39	20
14								550	332	93	34	18
15								560	303	76	33	17
16								525	269	80	32	16
17								535	244	76	30	16
18								540	224	69	29	16
19								570	201	67	27	15
20								555	176	61	30	15
21								423	161	63	27	15
22								390	146	56	24	15
23								463	123	49	23	15
24								575	113	56	22	15
25								620	104	57	20	14
							30					
26								625	93	51	20	14
27								600	94	51	18	14
28								555	96	76	18	14
29								610	94	121	17	13
30								625	76	86	18	13
31							-	630	-	96	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	186	-	-	6	369
November	180	-	-	6	357
December	155	-	-	5	307
Calendar year					
January	155	-	-	5	307
February	145	-	-	5	288
March	155	-	-	5	307
April	500	-	-	16.7	992
May	12,557	630	95	405	24,910
June	6,789	472	76	226	13,470
July	2,225	204	39	71.8	4,410
August	1,244	112	17	40.1	2,470
September	582	43	13	19.4	1,150
Water year 1935-36	24,873	630	-	68.0	49,340

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.

Drainage area.- 352 square miles.

Records available.- January 1919 to September 1936.

Average discharge.- 17 years, 211 second-feet.

Extremes.- Maximum discharge during year, 1,590 second-feet May 15 (gage height, 6.89 feet); minimum, 49 second-feet Aug. 29.
1919-36: Maximum discharge observed, about 2,500 second-feet June 13, 1921; minimum, 27 second-feet Oct. 17, 1934.

Remarks.- Records fair. Discharge for periods of ice effect, Dec. 15-25, 27, Jan. 2, 4, 7-10, 13, 18-22, 31, Feb. 1, 4-12, computed on basis of weather records. Discharge for July 1-5, Aug. 13-19, 21, 22, Sept. 4-7, computed on basis of records for other Duchesne River stations. Small diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	85	79	87	70	78	71	339	1,280	220	406	85
2	61	92	82	78	76	73	71	350	970	200	398	86
3	63	85	81	78	74	78	74	394	760	180	343	163
4	67	78	81	78	72	78	72	513	679	170	239	150
5	62	86	85	77	72	78	74	620	643	160	234	130
6	62	92	82	78	72	79	71	741	609	169	379	120
7	60	92	81	76	74	78	79	649	603	167	435	110
8	61	90	78	77	73	78	87	565	667	169	379	112
9	61	94	82	78	73	79	83	592	673	193	309	97
10	62	89	77	79	73	74	85	753	620	290	250	100
11	65	83	74	79	74	71	90	977	637	303	200	121
12	67	93	79	78	74	73	102	1,140	637	398	158	134
13	65	87	78	76	74	74	115	1,310	679	390	180	121
14	65	93	77	78	73	73	136	1,380	637	306	150	109
15	63	83	75	78	74	72	161	1,510	603	284	140	106
16	63	89	74	78	77	66	177	1,390	538	281	120	106
17	60	90	73	78	77	72	195	1,420	489	293	95	106
18	61	90	72	77	78	76	214	1,410	457	287	85	103
19	62	82	71	76	77	69	226	1,360	427	255	80	100
20	67	79	70	77	76	72	241	1,450	394	244	89	100
21	68	85	69	78	76	76	272	1,230	371	224	85	103
22	66	81	69	78	74	77	299	998	364	226	75	103
23	69	82	69	78	78	68	299	1,030	342	206	71	100
24	74	87	69	72	76	69	306	1,160	325	224	68	100
25	79	86	69	72	72	72	312	1,300	296	402	66	100
26	77	79	69	72	78	72	319	1,340	269	221	65	103
27	69	83	70	68	73	72	346	1,380	250	211	59	106
28	69	79	77	72	74	72	350	1,210	260	216	54	103
29	74	78	85	67	74	74	371	1,210	263	378	52	103
30	74	76	76	67	-	72	357	1,270	236	312	62	100
31	73	-	76	67	-	78	-	1,330	-	356	72	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,051	79	60	66.2	4,070
November	2,568	94	76	85.6	5,090
December	2,349	85	69	75.8	4,660
Calendar year 1935	49,118	1,130	43	135	97,420
January	2,352	87	67	75.9	4,670
February	2,158	78	70	74.4	4,280
March	2,293	79	66	74.0	4,550
April	5,655	371	71	188	11,220
May	32,321	1,510	339	1,043	64,110
June	15,978	1,280	236	533	31,690
July	7,935	402	160	256	15,740
August	5,398	435	52	174	10,710
September	3,280	163	85	109	6,510
Water year 1935-36	84,338	1,510	52	230	167,300

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.

Drainage area.- 660 square miles.

Records available.- December 1917 to September 1936.

Average discharge.- 19 years, 386 second-feet.

Extremes.- Maximum discharge during year, 3,270 second-feet May 31 (gage height, 5.20 feet); minimum, 73 second-feet Oct. 18.
1917-36: 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 fair. Discharge for period of ice effect, Dec. 19 to Feb. 28, and for June 1-5, July 1-4, 6-9, 16, 17, 19-21, 23-25, 27, 28, Aug. 2, 5, 7, 9, computed on basis of weather records and records for station near Tabiona. Diversions for irrigation above station.

Rating table, water year 1935-36, except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Aug. 6 to Sept. 30)

1.8	71	2.6	301	4.0	1,470
2.0	109	2.8	395	4.5	2,130
2.2	158	3.0	505	5.0	2,920
2.4	222	3.5	905	5.5	3,830

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	85	103	111			132	111	427	2,950	440	769	167
2	82	118	118			123	103	411	1,750	410	930	170
3	80	118	123			123	111	459	1,400	370	553	507
4	84	109	135			125	114	614	1,350	340	785	482
5	82	114	140			123	109	796	1,200	337	780	356
6	82	130	135			123	103	968	1,130	310	651	301
7	84	125	132			127	103	885	1,130	290	700	276
8	84	125	121			125	116	751	1,330	280	459	260
9	85	125	118			127	118	778	1,390	330	410	249
10	85	125	125			127	118	947	1,220	476	385	237
11	85	125	121			111	125	1,270	1,280	715	385	252
12	84	127	123			105	135	1,520	1,330	937	366	230
13	84	142	121			105	148	1,860	1,430	1,040	375	237
14	84	142	107			103	161	2,100	1,430	675	324	219
15	84	135	95			99	195	2,430	1,350	541	293	205
16	85	132	103			95	219	2,370	1,210	540	276	202
17	85	137	107			95	237	2,420	1,090	570	260	202
18	82	140	111			97	272	2,380	1,010	482	237	202
19	80	127	115			95	293	2,320	915	450	222	188
20	84	125	115			91	310	2,490	805	430	245	185
21	84	127	115			93	346	2,120	715	390	233	182
22	82	127	115			109	395	1,670	715	395	208	173
23	82	127	115			99	422	1,670	643	340	198	164
24	84	127	115			91	432	1,930	614	370	182	161
25	93	132	115			91	427	2,260	572	500	170	161
26	99	127	115			97	416	2,450	517	459	164	158
27	97	123	115			107	448	2,560	465	420	153	158
28	96	123	120			116	454	2,220	482	430	137	158
29	87	123	130		132	109	476	2,220	511	517	132	168
30	93	118	120		-	107	459	2,450	465	579	130	155
31	91	-	120		-	127	-	2,780	-	499	153	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,655	99	80	85.6	5,270
November	3,778	142	103	126	7,490
December	3,671	140	95	118	7,280
Calendar year 1935	97,069	3,070	58	266	192,500
January	3,720	-	-	120	7,380
February	3,335	-	-	115	6,619
March	3,397	132	91	110	6,740
April	7,476	476	103	249	14,830
May	52,526	2,780	411	1,694	104,200
June	32,299	2,950	465	1,077	64,060
July	14,862	1,040	280	479	29,480
August	11,265	930	130	363	22,340
September	6,755	507	155	225	13,400
Water year 1935-36	145,739	2,950	80	398	289,100

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 1936.

Average discharge.- 28 years (1899-1902, 1911-36), 660 second-feet.

Extremes.- Maximum discharge during year, 3,870 second-feet June 1 (gage height, 5.26 feet); minimum, 20 second-feet Oct. 3.
1899-1936: 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. Discharge for Nov. 1-6, Dec. 16 to Apr. 2, Apr. 4-19, and May 7-12 computed on basis of records for other Duchesne River stations. Large diversions for irrigation above station. Flow affected by storage in reservoir on Strawberry River.

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

1.2	12	2.0	240	2.8	750	4.0	2,080
1.4	46	2.2	340	3.0	930	4.5	2,760
1.6	94	2.4	459	3.3	1,240	5.0	3,480
1.8	158	2.6	595	3.7	1,700	5.5	4,230

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	120	148				180	930	3,750	409	844	118
2	24	150	144				175	844	2,970	363	1,460	124
3	21	150	158				174	835	2,180	274	1,020	1,310
4	21	140	162				180	990	1,780	245	1,060	1,030
5	21	180	206				170	1,210	1,640	214	1,040	525
6	22	200	197				160	1,350	1,510	185	767	386
7	21	197	210				170	1,150	1,400	158	818	324
8	24	189	201				190	1,000	1,530	138	595	259
9	26	189	185				190	1,100	1,640	134	505	227
10	24	185	189				200	1,400	1,470	264	447	210
11	27	166	210				210	1,600	1,420	1,060	368	351
12	27	162	223				230	1,900	1,440	1,080	386	283
13	27	185	250				270	2,280	1,580	1,590	397	240
14	27	197	206				300	2,470	1,600	1,030	357	240
15	27	193	174				350	2,980	1,480	726	283	210
16	24	185					400	3,070	1,370	718	264	189
17	29	201					450	2,970	1,160	810	231	185
18	35	206					500	2,970	1,070	670	193	178
19	33	197					600	2,890	990	574	193	178
20	35	178					662	3,040	882	539	254	170
21	36	174					678	2,730	801	499	368	223
22	33	181	200				767	2,240	818	422	223	309
23	40	174					854	2,030	750	357	193	304
24	53	181					882	2,260	710	466	174	298
25	66	201					902	2,680	678	539	121	264
26	68	185					892	3,070	618	655	103	189
27	71	158					940	3,300	525	472	94	166
28	66	158					990	3,100	499	409	81	148
29	71	158					1,000	2,660	553	440	76	138
30	78	148					1,030	2,890	539	784	73	127
31	103	-					-	3,220	-	662	100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,206	103	21	38.9	2,390
November	5,288	206	120	176	10,490
December	6,063	250	144	196	12,030
Calendar year 1935	114,924	4,300	12	315	227,900
January	6,510	-	-	210	12,910
February	6,090	-	-	210	12,080
March	5,890	-	-	190	11,680
April	14,696	1,030	160	490	29,150
May	67,159	3,300	835	2,166	133,200
June	39,353	3,750	499	1,312	78,060
July	16,886	1,590	134	545	33,490
August	13,088	1,460	73	422	25,960
September	8,903	1,310	118	297	17,660
Water year 1935-36	191,132	3,750	21	522	379,100

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 1936.

Average discharge.- 22 years (1914-36), 171 second-feet.

Extremes.- Maximum discharge observed during year, 1,300 second-feet Sept. 3 (gage height, 9.7 feet); minimum observed, 21 second-feet Nov. 5.
1908-10, 1914-36: Maximum discharge observed, 3,230 second-feet May 27, 1922; minimum observed, 1 second-foot during several days in July 1931.

Remarks.- Records fair. Gage read twice daily. Discharge for period of ice effect, Dec. 8 to Mar. 3, computed on basis of weather records. Discharge for Aug. 1, 2, 4, 5, 20, Sept. 3 computed from graph based on two or more daily gage readings. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	46	30			70	72	560	412	165	300	68
2	27	48	34			70	56	472	472	150	350	66
3	28	48	36			70	58	508	388	142	148	600
4	28	31	44			70	54	588	344	134	300	130
5	28	27	55			76	56	680	334	130	250	100
6	27	44	58			99	56	768	328	132	160	83
7	27	48	59			70	63	745	304	130	130	76
8	28	46				72	75	652	298	132	109	69
9	28	43				69	70	600	284	132	102	68
10	28	46				62	69	600	270	158	108	211
11	28	35				63	72	680	256	344	102	121
12	28	31				60	85	722	256	378	99	99
13	27	40				60	90	722	256	284	140	78
14	27	36				60	111	692	243	226	100	69
15	27	37				60	134	709	230	193	97	66
16	28	35				60	150	700	218	177	104	62
17	30	41				60	186	668	211	220	92	60
18	32	48	50			60	228	628	206	180	85	60
19	35	53				60	248	600	186	171	83	59
20	37	50				60	276	560	180	160	200	58
21	37	47				60	298	548	175	154	88	55
22	37	40				63	328	508	173	169	80	55
23	39	36				60	395	482	171	216	78	55
24	39	39				54	454	448	197	256	74	55
25	41	50				39	490	437	175	202	69	55
26	41	50				49	496	402	169	150	69	55
27	39	47				58	564	395	167	177	68	58
28	39	43				80	584	395	180	180	63	58
29	37	35				70	576	367	175	211	59	60
30	41	33				63	564	344	173	206	55	60
31	43	-				66	-	388	-	202	68	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,008	43	27	32.5	2,000
November	1,253	53	27	41.8	2,490
December	1,516	59	30	48.9	3,010
Calendar year 1935	25,736	360	15	70.5	51,050
January	1,705	-	-	55	3,380
February	1,740	-	-	60	3,450
March	1,993	99	39	64.3	3,950
April	6,958	584	54	232	13,800
May	17,568	768	344	567	34,850
June	7,431	472	167	248	14,740
July	5,861	378	130	189	11,630
August	3,830	350	55	124	7,600
September	2,769	600	55	92.3	5,490
Water year 1935-36	53,632	768	27	147	106,400

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 1936 (discontinued).

Average discharge.- 27 years (1908-10, 1911-36), 153 second-feet.

Extremes.- Maximum discharge observed during year, 940 second-feet Sept. 3 (gage height, 4.56 feet); minimum observed, 1 second-foot Mar. 14.
1900-1903, 1907-36: Maximum discharge, 5,600 second-feet Nov. 24, 1927 (caused by failure of Farnsworth Reservoir); no flow for periods in 1916, 1931, and 1934.

Remarks.- Records poor. Discharge estimated for period of ice effect, Dec. 12 to Mar. 4, and for Apr. 6, 7, May 24, June 14, Sept. 3, 6. Diversions for irrigation above station.

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

0.9	0	2.0	80
1.0	1	2.3	126
1.1	3	2.6	186
1.2	7	3.0	290
1.4	18	3.5	465
1.6	34	4.0	680
1.8	55	4.5	910

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	11	*12			30	4	22	815	26	94	41
2	3	10	13			30	5	15	666	24	*164	28
3	3	*12	12			30	5	*14	338	26	235	400
4	3	13	14			30	4	12	235	34	198	220
5	4	13	11			30	*5	16	156	*26	171	74
6	*4	13	12			36	6	25	112	22	97	60
7	4	13	12			27	7	22	*128	24	140	22
8	3	13	*12			*20	7	23	144	18	77	18
9	3	12	12			12	5	13	175	24	*51	18
10	3	*12	10			8	3	*16	126	144	25	12
11	5	13	13			4	3	19	53	338	25	25
12	4	12				4	*3	24	51	*393	34	18
13	*4	11				2	3	13	175	449	36	*18
14	4	12				1	4	40	190	222	34	18
15	5	13				*2	7	429	210	80	32	15
16	7	13				4	12	465	130	84	*28	10
17	5	*13				3	12	*418	44	87	25	12
18	7	13				4	10	372	18	38	12	12
19	8	12				3	*7	358	18	*30	15	11
20	*8	12				4	5	485	22	21	27	*14
21	9	12	15			3	7	418	*23	21	70	17
22	11	13				*3	15	65	25	18	41	14
23	10	12				4	14	13	30	14	*35	18
24	11	*12				3	18	109	25	44	30	15
25	10	12				4	16	162	38	30	23	16
26	12	10				3	*14	590	44	*41	17	12
27	*12	13				6	11	680	32	52	18	*12
28	11	11				5	12	505	*38	25	17	13
29	12	14				*5	14	317	44	18	16	14
30	10	12				6	22	425	50	74	*20	14
31	11	-				5	-	*620	-	55	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	210	12	3	6.8	417
November	367	14	10	12.2	728
December	433	15	10	14.0	859
Calendar year 1935	20,401	1,950	1	55.9	40,460
January	775	-	-	25	1,540
February	870	-	-	30	1,730
March	331	38	1	10.7	657
April	260	22	3	8.7	516
May	6,705	680	12	216	13,300
June	4,155	815	18	138	8,240
July	2,504	449	14	80.4	4,970
August	1,832	235	12	59.1	3,630
September	1,191	400	10	39.7	2,360
Water year 1935-36	19,633	815	1	53.4	38,940

*Gage not read on Sunday; discharge interpolated.

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 1936.

Extremes.- Maximum discharge during year, 699 second-feet May 15 (gage height, 1.97 feet); minimum not determined.

1929-36: Maximum discharge, 1,390 second-feet May 21, 1932 (gage height, 2.80 feet); minimum not determined.

Maximum discharge on June 9, 1922 (erroneous date published in Water-Supply Paper 789), exceeded 3,000 second-feet but was not determined because of unstable channel conditions.

Remarks.- Records fair. Discharge for Oct. 1 to Apr. 21, Apr. 23, Sept. 25-28 computed on basis of one discharge measurement, weather records, and records for Whiterocks River near Whiterocks, Utah. 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 tables, water year 1935-36 (gage height, in feet, and discharge, in second-feet)

Apr. 22 to May 15				May 16 to Sept. 30			
0.4	30	1.4	329	0.9	101	1.8	580
.6	58	1.6	445	1.0	136	2.0	720
.8	98	1.8	580	1.2	221	2.2	870
1.0	155	2.0	720	1.4	324	2.4	1,030
1.2	232			1.6	444		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		*53					40	94	425	208	382	172
2							40	87	330	190	388	198
3							40	85	275	180	376	394
4							40	114	260	168	359	365
5							40	173	265	164	382	286
6							41	220	275	160	401	241
7							41	203	281	152	370	221
8							41	199	313	270	324	208
9							42	211	292	330	292	194
10							45	250	250	438	286	190
11							50	324	270	531	260	203
12							60	421	308	524	246	194
13							70	545	359	503	255	292
14							70	622	336	324	260	236
15							80	650	359	281	236	208
16							85	545	324	260	236	194
17							85	490	302	250	236	190
18							80	457	308	281	216	185
19							80	425	302	270	203	176
20							85	438	297	260	241	172
21							90	308	292	265	236	172
22							103	275	297	246	221	172
23							105	275	275	231	203	152
24							108	324	265	246	190	144
25							101	382	260	275	180	140
26							101	413	250	324	172	138
27							103	438	236	336	168	137
28							101	347	265	302	164	136
29							108	347	255	382	160	136
30							103	370	216	347	164	136
31							-	457	-	370	180	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,015	-	-	65	4,000
November	1,500	-	-	50	2,980
December	1,395	-	-	45	2,770
Calendar year 1935	49,984	1,160	-	137	99,140
January	1,395	-	-	45	2,770
February	1,160	-	-	40	2,300
March	1,240	-	-	40	2,460
April	2,178	108	40	72.6	4,320
May	10,489	650	85	338	20,800
June	8,742	425	216	291	17,340
July	9,066	531	152	293	17,990
August	7,987	401	160	258	15,840
September	5,982	394	136	199	11,870
Water year 1935-36	53,151	650	-	145	105,400

*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 6⅔ miles north of Whiterocks.

Drainage area.- 115 square miles.

Records available.- August 1921 to September 1928, February 1930 to September 1936. 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.

Average discharge.- 12 years (1899-1903, 1908-10, 1930-36), 119 second-feet.

Extremes.- Maximum discharge during year, 850 second-feet May 14 (gage height, 3.10 feet); minimum observed, 25 second-feet Jan. 29.
1917-28, 1930-36: Maximum discharge observed, 2,750 second-feet June 21, 1922; minimum, less than 14 second-feet during winter 1920-21.

Remarks.- Records fair. Discharge for Dec. 12 to Jan. 13 and Feb. 17 to Apr. 8 computed on basis of weather records and records for Ashley Creek near Vernal. Flow slightly regulated by storage in small mountain lakes.

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

0.6	25	1.4	85	2.2	305
.8	32	1.6	122	2.4	400
1.0	43	1.8	171	2.6	505
1.2	60	2.0	232	2.8	630

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	36	33	30	28	27	26	54	278	118	239	96
2	42	36	33	29	28	26	26	52	250	108	216	106
3	42	36	33	29	30	26	26	56	210	102	210	260
4	43	34	36	29	27	26	26	85	210	97	216	341
5	42	38	36	29	27	26	27	145	236	97	239	222
6	41	34	33	29	28	26	27	186	232	92	264	183
7	41	33	35	29	28	26	27	150	200	84	242	163
8	42	33	34	31	27	26	27	116	186	71	200	146
9	42	32	32	34	27	26	28	131	166	77	186	140
10	42	32	37	34	27	27	30	183	148	97	183	134
11	42	34	35	34	27	27	34	236	138	145	161	131
12	43	35	34	33	27	27	38	328	131	158	140	161
13	42	34	33	33	28	27	41	370	131	186	163	153
14	43	33	32	32	28	27	41	517	131	127	180	155
15	44	31	31	32	28	27	45	553	138	104	150	150
16	44	32	30	29	28	27	48	478	158	94	186	153
17	44	32	30	30	27	27	48	385	150	95	161	134
18	43	32	30	32	27	27	48	355	148	166	140	124
19	41	30	31	32	27	27	46	323	148	122	127	118
20	41	33	31	31	27	27	48	290	148	106	138	112
21	40	32	31	31	27	27	49	222	148	95	155	110
22	39	33	31	31	27	28	56	197	150	85	158	108
23	39	34	31	30	27	27	59	183	140	79	129	104
24	39	34	31	30	27	26	55	186	138	94	114	100
25	38	33	31	31	27	26	55	206	134	143	108	97
26	36	33	30	31	27	26	51	210	129	165	102	94
27	36	32	30	30	27	26	54	236	122	168	97	90
28	36	34	30	26	27	26	52	222	140	163	94	88
29	36	33	30	27	27	26	55	200	145	260	90	85
30	37	32	30	27	-	26	56	194	122	239	94	85
31	38	-	30	27	-	26	-	242	-	242	102	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,260	44	36	40.6	2,500
November	1,000	38	30	33.3	1,980
December	994	37	30	32.1	1,970
Calendar year 1935	34,125	1,300	30	93.5	67,690
January	942	34	26	30.4	1,870
February	794	30	27	27.4	1,570
March	822	28	26	26.5	1,630
April	1,249	59	26	41.6	2,480
May	7,291	553	52	235	14,460
June	4,905	278	122	164	9,730
July	3,982	260	71	128	7,900
August	4,984	264	90	161	9,890
September	4,145	341	85	138	8,220
Water year 1935-36	32,368	553	26	88.4	64,200

White River near Meeker, Colo.

Location.- Water-stage recorder, lat. 40°2', long. 107°52', in sec. 30, T. 1 N., R. 93 W., 3⅝ 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 1936 in reports of U. S. Geological Survey; May 1901 to October 1906, May 1910 to September 1936 in reports of State engineer. Records prior to October 1913 obtained 2½ miles downstream from present site.

Average discharge.- 31 years, 657 second-feet.

Extremes.- Maximum discharge during year, 3,030 second-feet May 6 (gage height, 3.57 feet); minimum daily discharge, 193 second-feet Dec. 17.
1901-6, 1910-36: Maximum daily discharge, 6,070 second-feet June 16, 1921; minimum daily discharge, 112 second-feet July 17, 1934.

Remarks.- Records excellent except those for period of ice effect, Jan. 1 to Apr. 7, computed on the basis of three discharge measurements, weather records, gage heights, and records for Roaring Fork at Glenwood Springs, and those for July 31 to Aug. 5, computed on basis of records for Roaring Fork at Glenwood Springs, which are good. Diversions for irrigation above station.

Rating tables, water year 1935-36 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1-25)

Oct. 1 to Jan. 1				Apr. 8 to Sept. 30			
1.0	165	1.2	234	2.0	714	2.8	1,500
1.2	235	1.4	324	2.2	880	3.0	1,800
1.4	338	1.6	430	2.4	1,060	3.5	2,860
1.6	472	1.8	560	2.6	1,240	4.0	4,160

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	282	304	273	273	300	280	265	948	2,640	690	520	455
2	273	327	258	265	300	280	260	974	2,250	634	500	391
3	268	338	254	280	290	275	250	1,240	1,770	582	480	364
4	263	338	263	275	260	280	265	1,580	1,610	540	460	344
5	263	304	299	295	275	285	265	2,020	1,500	526	450	334
6	249	338	288	290	295	285	260	2,140	1,320	486	430	324
7	235	332	288	285	310	290	265	1,510	1,210	461	413	315
8	235	321	277	290	295	285	265	1,180	1,360	449	391	301
9	235	321	282	300	295	280	256	1,030	1,600	449	396	292
10	240	316	263	330	310	285	260	1,060	1,630	499	391	296
11	231	275	288	315	315	275	287	1,260	1,670	642	385	324
12	235	288	273	315	310	280	324	1,560	1,740	612	402	301
13	240	327	293	300	300	285	390	1,580	1,940	567	374	292
14	244	316	277	320	295	285	519	1,700	2,040	492	364	283
15	244	299	223	315	290	289	582	2,080	1,960	492	344	278
16	268	293	200	312	285	290	642	2,360	2,060	512	334	274
17	263	310	193	310	285	295	771	2,290	1,890	506	339	269
18	258	304	227	295	288	300	838	2,220	1,630	492	324	265
19	263	310	219	275	285	295	863	2,200	1,540	449	329	260
20	273	299	212	295	285	290	897	2,420	1,430	436	334	252
21	273	293	223	340	280	295	897	2,470	1,320	424	359	278
22	244	275	227	320	285	300	1,030	2,220	1,210	413	354	292
23	254	304	235	325	290	285	1,100	2,080	1,200	391	329	283
24	268	293	282	330	280	290	1,020	2,060	1,070	380	315	283
25	282	304	263	335	275	295	1,040	2,250	1,020	385	310	274
26	304	299	268	320	280	280	1,130	2,290	956	408	310	292
27	299	304	268	300	280	275	1,220	2,380	863	436	306	301
28	293	310	288	305	280	265	1,100	2,400	804	492	306	301
29	304	273	273	310	280	255	1,150	2,360	788	480	306	301
30	310	263	268	270	-	260	1,060	2,580	763	449	319	310
31	282	-	273	275	-	265	-	2,640	-	430	369	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,175	310	231	264	16,210
November	9,178	338	263	306	18,200
December	8,018	299	193	259	15,900
Calendar year 1935	184,632	3,080	-	506	366,200
January	9,365	340	265	302	18,580
February	8,398	315	260	290	16,660
March	8,774	300	255	283	17,400
April	19,461	1,220	250	649	38,600
May	59,082	2,640	948	1,906	117,200
June	44,784	2,640	763	1,493	88,830
July	15,204	690	380	490	30,160
August	11,543	520	306	372	22,900
September	9,129	455	252	304	18,110
Water year 1935-36	211,111	2,640	193	577	418,800

White River near Watson, Utah

Location.- Water-stage recorder, lat. 39°58', long. 108°10', in sec. 2, T. 10 S., R. 24 E. Salt Lake meridian, just below mouth of Evacuation Creek and 10 miles northeast of Watson.

Drainage area.- 4,020 square miles.

Records available.- April to October 1906 (designated near Dragon, Utah), October 1933 to September 1936 in reports of U. S. Geological Survey; April 1935 to September 1936 in reports of Colorado State engineer.

Extremes.- Maximum discharge during year, 3,980 second-feet Aug. 11 (gage height, 4.50 feet); minimum daily discharge (estimated), 250 second-feet Dec. 17.
1906, 1923-36: Maximum daily discharge, 8,160 second-feet July 15, 1929; minimum discharge, 52 second-feet July 19, 20, 1934.

Remarks.- Records good except those for periods of ice effect, Dec. 5 to Mar. 6, Mar. 17-19, which are fair and were computed on basis of two discharge measurements and records for station near Meeker. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	352	374	342	345	365	380	351	1,310	2,700	744	656	511
2	338	363	347	340	380	410	355	1,200	2,750	672	1,380	479
3	328	374	363	345	380	430	342	1,140	2,490	672	974	384
4	318	401	374	355	355	460	342	1,240	2,080	720	680	363
5	314	412	370	350	335	470	346	1,620	1,850	760	460	347
6	314	384	380	360	350	470	355	1,930	1,740	784	448	347
7	309	374	365	355	370	435	346	2,410	1,610	824	472	347
8	309	390	360	350	380	476	328	1,890	1,450	648	466	342
9	300	390	350	360	370	402	346	1,550	1,340	551	460	333
10	291	390	355	370	370	407	381	1,350	1,430	704	442	448
11	295	379	335	390	365	490	376	1,240	1,520	608	728	992
12	300	347	355	375	390	396	370	1,400	1,550	664	472	648
13	300	363	350	360	380	365	402	1,690	1,580	776	401	406
14	295	395	365	355	375	391	453	1,860	1,670	640	401	318
15	300	379	350	375	370	391	496	1,640	1,780	558	338	309
16	309	395	300	370	360	370	550	2,060	1,740	504	342	309
17	309	363	250	360	360	365	588	2,250	1,850	517	342	309
18	328	363	260	350	365	365	650	2,400	1,760	530	342	309
19	323	368	280	330	363	370	758	2,330	1,550	492	347	300
20	323	368	270	350	360	365	800	2,250	1,420	485	390	304
21	323	368	265	370	360	346	868	2,390	1,340	498	485	300
22	328	363	280	390	365	351	852	2,460	1,280	448	424	304
23	328	357	290	380	365	370	954	2,320	1,190	442	368	300
24	323	357	300	390	360	370	1,120	2,190	1,140	406	352	300
25	328	368	340	400	350	355	1,120	2,160	1,070	504	357	286
26	352	368	330	390	360	346	1,100	2,300	992	448	368	278
27	374	374	330	380	370	342	1,220	2,370	920	401	357	282
28	384	368	340	360	380	337	1,360	2,470	848	517	333	328
29	368	368	360	370	390	328	1,230	2,540	816	517	323	338
30	368	363	350	360	-	332	1,360	2,470	744	947	479	338
31	368	-	340	350	-	332	-	2,620	-	680	472	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,099	384	291	326	20,030
November	11,226	412	347	374	22,270
December	10,246	380	250	331	20,320
Calendar year 1935	207,048	3,190	150	567	410,700
January	11,285	400	330	364	22,380
February	10,663	390	335	368	21,150
March	12,017	490	328	388	23,840
April	20,119	1,360	328	671	39,910
May	61,250	2,620	1,140	1,976	121,500
June	46,200	2,750	744	1,540	91,640
July	18,661	947	401	602	37,010
August	14,859	1,380	323	479	29,470
September	11,159	992	278	372	22,130
Water year 1935-36	237,784	2,750	250	650	471,600

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 1936.

Extremes.- Maximum discharge during year, about 4,000 second-feet Sept. 2 (gage height, 5.7 feet); minimum observed, 4 second-feet Nov. 27.
1934-36: Maximum discharge, 4,850 second-feet, determined by slope-area method, Aug. 26, 1935 (gage height, 6.16 feet); minimum, less than 1 second-foot at times Sept. 1-10, 1934.

Remarks.- Records good except those for period of ice effect, Nov. 27 to Feb. 29, which are fair and were computed on basis of four discharge measurements and weather records, and those for Oct. 31, Nov. 1, Aug. 6-19, Sept. 1, 3-9, which are fair and were computed on basis of one discharge measurement, record of water released from Pleasant Valley Reservoir, and weather records. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33	22	*6			15	20	663	255	133	130	172
2	13	24				16	24	625	220	147	139	335
3	7	22				17	28	600	212	188	128	168
4	6	18				17	26	508	207	202	122	136
5	5	37				18	27	570	205	202	151	110
6	5	34			*7	19	22	393	197	200	60	56
7	5	22				19	31	680	188	205	60	56
8	5	12				20	44	476	185	230	60	56
9	5	10				24	61	610	215	236	47	56
10	21	10				22	66	610	212	279	59	99
11	44	18				21	77	580	207	275	180	113
12	45	18				26	326	282	220	145	160	89
13	45	15				29	472	253	225	60	125	68
14	56	13				29	505	241	230	30	125	54
15	60	18				26	636	228	233	28	123	63
16	60	12				23	658	225	241	36	122	61
17	60	9				28	641	228	241	49	121	48
18	60	8				33	630	230	236	90	120	48
19	60	8		*9		27	641	228	230	76	115	82
20	46	13				30	652	236	230	84	172	112
21	24	14				37	565	236	230	84	165	112
22	22	14				35	668	241	228	84	124	112
23	22	13				27	702	241	172	94	103	89
24	22	9				27	702	239	103	126	86	80
25	22	8				26	625	239	110	114	84	82
26	22	7			*12	36	707	247	163	120	76	80
27	22	7				41	734	261	165	117	133	60
28	21	7				37	734	258	197	126	149	48
29	21	6				34	729	244	185	137	147	48
30	19	6				27	712	241	132	168	163	49
31	20	-				32	-	250	-	133	207	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	878	60	5	28.3	1,740
November	434	37	6	14.5	861
December	186	-	-	6	369
Calendar year 1935	25,460	252	-	69.8	50,500
January	248	-	-	8	492
February	261	-	-	9	518
March	818	41	15	26.4	1,620
April	12,565	734	20	419	24,920
May	11,168	680	225	360	22,150
June	6,074	255	103	202	12,050
July	4,198	279	28	135	8,330
August	3,756	207	47	121	7,450
September	2,742	335	48	91.4	5,440
Water year 1935-36	43,328	734	-	118	85,940

*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 1936.

Average discharge.- 21 years (1910-17, 1921-29, 1930-36), 101 second-feet.

Extremes.- Maximum discharge during year, 980 second-feet May 14 (gage height, 3.80 feet); minimum recorded, 12 second-feet Oct. 24 (gage height, 0.98 foot).
1909-36: Maximum discharge, about 2,500 second-feet Aug. 2 or 3, 1930 (gage height, 7.5 feet); probably no flow Nov. 5, 1926.

Remarks.- Records good except those for period of ice effect, Dec. 11 to Feb. 24 (computed on basis of 4 discharge measurements and weather records), and those for June 27 to July 5, July 13, 14, 19-28, July 31 to Aug. 5, Aug. 12-18, Sept. 5-18 (computed on basis of high-water graph, precipitation records, and records for Cottonwood Creek near Orangeville), which are fair. Small irrigation diversions above station. Flow slightly regulated by small storage reservoirs.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	24	21			28	25	265	460	110	75	86
2	25	29	28			26	30	320	410	105	70	94
3	29	25	30	*20		27	31	445	374	100	100	109
4	25	21	29		25	28	30	549	344	95	80	75
5	22	22	29			28	30	683	306	130	75	55
6	22	32	26			28	30	704	284	159	73	50
7	22	26	26		*29	28	31	522	302	159	69	48
8	22	25	24			28	36	480	364	166	64	45
9	22	26	23			28	35	566	400	178	63	45
10	22	22	23			28	38	676	382	195	61	48
11	21	20	23			26	43	767	387	185	62	47
12	22	26	24			27	47	767	364	161	80	50
13	22	26	*24			28	53	760	364	120	75	47
14	22	28				26	59	795	344	90	70	43
15	22	23				28	71	795	324	69	85	42
16	22	29			28	30	102	760	298	78	85	42
17	22	27				30	123	760	274	71	90	42
18	24	26				31	135	697	255	78	90	42
19	25	22				30	161	655	246	70	97	42
20	26	19		*17		30	170	641	240	75	92	42
21	25	26				31	190	554	225	100	92	42
22	23	21	20			30	219	475	206	75	90	41
23	22	24				27	228	455	192	70	89	41
24	21	25				26	234	460	185	100	86	41
25	24	26			28	29	258	445	166	75	84	40
26	24	24			27	31	274	440	150	70	84	40
27	25	22			24	36	309	500	135	70	82	41
28	24	25			26	31	320	460	135	120	80	41
29	25	19			26	30	328	490	130	148	80	39
30	24	20			-	29	278	495	120	175	82	39
31	22	-			-	31	-	584	-	100	84	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	722	29	21	23.3	1,430
November	730	32	19	24.3	1,450
December	690	-	-	22.3	1,370
Calendar year 1935	31,179	653	16	85.4	61,820
January	620	-	-	20	1,230
February	786	-	-	27.1	1,560
March	894	36	26	28.8	1,770
April	3,918	328	25	131	7,770
May	17,965	795	265	580	35,630
June	8,366	460	120	279	16,590
July	3,497	195	69	113	6,940
August	2,489	100	61	80.3	4,940
September	1,499	109	39	50.0	2,970
Water year 1935-36	42,176	798	19	115	83,650

*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 1936.

Average discharge.- 20 years (1910-20, 1921-27, 1932-36), 109 second-feet.

Extremes.- Maximum discharge during year, 1,580 second-feet Sept. 1 (gage height, 4.80 feet); minimum observed, 6 second-feet Feb. 25 (discharge measurement).
1909-27, 1932-36: Maximum discharge, about 2,500 second-feet Aug. 22, 1922, and Sept. 9, 1927; minimum observed, 4 second-feet Jan. 24, 1933.

Remarks.- Records good except those for period of ice effect, Nov. 27 to Feb. 29, which were computed on basis of five discharge measurements and weather records and are fair, and those for Apr. 23, 24, July 10-14, July 19 to Aug. 5, Aug. 9-11, 13-18, Sept. 1, 2, which were computed on basis of records for Huntington Creek near Huntington and precipitation records, and are fair. Small diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	27				14	15	206	654	126	90	140
2	20	17	*13			15	16	228	531	117	80	60
3	20	14				16	15	300	463	111	112	42
4	20	19				16	14	260	453	104	92	39
5	19	22				18	14	319	412	100	80	34
6	19	24				19	16	648	412	94	73	33
7	19	19			*19	20	18	508	437	90	62	32
8	19	16				19	23	421	480	98	78	31
9	19	15				22	20	451	485	139	72	30
10	18	16				20	25	575	474	200	70	32
11	18	29				18	33	730	463	150	80	31
12	19	27				18	42	738	463	130	90	33
13	19	24	*14			19	51	784	438	110	84	30
14	18	20				20	65	904	403	98	80	28
15	18	30				19	79	925	375	90	90	27
16	17	22				18	81	925	345	102	86	27
17	16	17				19	90	925	328	115	70	27
18	16	17				20	94	898	309	138	56	27
19	16	22				18	109	898	282	110	45	27
20	16	26		*17		18	114	864	262	98	40	27
21	16	24				19	121	720	241	90	39	26
22	14	23				20	131	593	222	86	39	26
23	13	19				17	140	587	213	95	37	25
24	15	19				16	160	634	207	118	37	25
25	16	19			*6	20	183	654	190	92	36	25
26	15	18				27	200	676	171	80	34	25
27	14	17				21	224	898	185	96	33	25
28	14	16				16	236	713	171	120	32	25
29	15	16				16	232	705	158	160	31	25
30	15	15				16	210	705	138	200	31	25
31	27	-				16	-	907	-	150	44	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	540	27	13	17.4	1,070
November	609	30	14	20.3	1,210
December	434	-	-	14	861
Calendar year 1935	38,007	1,600	13	104	75,390
January	434	-	-	14	861
February	435	-	-	15	863
March	570	27	14	18.4	1,130
April	2,771	236	14	92.4	5,500
May	20,299	925	206	655	40,260
June	10,365	654	138	346	20,560
July	3,607	200	80	116	7,150
August	1,923	112	31	62.0	3,810
September	1,009	140	25	33.6	2,000
Water year 1935-36	42,996	925	-	117	85,280

*Discharge measurement.

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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 1935 to September 1936.

Extremes.- Maximum discharge during year, 931 second-feet May 5 (gage height, 3.31 feet); minimum daily discharge (computed), 12 second-feet Dec. 15.
1935-36: Maximum discharge, 1,480 second-feet June 9, 1935 (erroneous date published in Water-Supply Paper 789); maximum gage height, 3.99 feet June 20, 1935; minimum daily discharge, that of Dec. 15, 1935.
Greatest known flood occurred Oct. 5, 1911 (discharge not determined).

Remarks.- Records good except those for periods of ice effect, Nov. 9, 10, Dec. 5-9, 11-13, Dec. 15 to Mar. 19, Mar. 21 to Apr. 5, which were computed on basis of four discharge measurements, records for station at Pagosa Springs, and weather records and are poor.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	41	18	14			16	40	435	428	68	47	120
2	39	20	13			17	40	519	364	65	62	97
3	38	20	16			18	38	610	280	63	70	180
4	38	20	17			20	35	738	240	58	94	138
5	35	20				22	31	826	230	55	235	112
6	33	20				24	34	754	265	53	250	83
7	32	20	17			26	42	561	292	51	190	83
8	30	20				28	74	407	316	52	166	74
9	30	20				30	94	310	316	76	135	66
10	30	21	17			33	116	255	310	72	101	65
11	32	21	18	15		37	218	245	298	172	105	94
12	33	21	20			40	346	310	292	99	96	69
13	34	21	25			34	407	400	255	73	80	61
14	34	20	21			38	388	435	240	64	72	55
15	34	21	12			43	364	456	230	63	67	49
16	34	24	13			46	394	575	250	68	63	44
17	34	21	14			49	435	618	240	63	58	42
18	32	20	15			49	421	618	214	54	69	42
19	34	20	16			49	421	610	183	51	70	41
20	46	20	15			49	484	626	166	50	110	37
21	44	19		*15		45	526	610	150	43	96	35
22	38	19				42	554	596	150	42	78	62
23	34	18				40	533	568	132	37	67	43
24	31	16				38	484	561	122	37	60	36
25	30	17				36	519	533	110	34	53	34
26	27	14	15	15		36	533	505	97	34	48	34
27	25	14				36	505	526	89	42	46	41
28	24	14				36	512	533	83	49	67	44
29	22	14				38	470	540	77	53	88	42
30	20	14		15		40	400	526	72	48	208	42
31	18	-		15		38	-	484	-	51	148	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,006	46	18	32.5	2,000
November	567	24	14	18.9	1,120
December	496	25	12	16.0	984
Calendar year					
January	465	-	-	15	922
February	435	-	-	15	863
March	1,093	49	16	35.3	2,170
April	9,460	554	31	315	18,760
May	16,290	826	245	525	32,310
June	6,491	428	72	216	12,870
July	1,840	172	34	59.4	3,650
August	3,099	250	46	100	6,150
September	1,967	180	34	65.6	3,900
Water year 1935-36	43,209	826	12	118	85,700

*Discharge measurement.

San Juan River at Pagosa Springs, Colo.

Location.- Water-stage recorder, lat. 37°15'55", long. 107°0'40", in S½ sec. 13, T. 35 N., R. 2 W., under lower highway bridge at Pagosa Springs.

Records available.- January 1911 to November 1914, May 1935 to September 1936.

Extremes.- Maximum discharge during year, 2,400 second-feet May 5 (gage height, 5.84 feet); minimum daily discharge, 25 second-feet Dec. 15.
1911-14, 1935-36: Maximum discharge, 4,710 second-feet June 15, 1935; minimum daily discharge, that of Dec. 15, 1935.

Remarks.- Records fair. Discharge interpolated Nov. 5, Jan. 25, 26. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	126	60	50	43	43	54	118	1,080	1,340	191	101	510
2	114	68	48	34	40	62	132	1,280	1,140	162	118	430
3	105	68	50	46	27	71	142	1,470	920	149	162	605
4	96	70	50	41	28	89	112	1,640	805	140	164	563
5	92	72	59	46	43	114	105	2,000	763	128	580	430
6	89	73	58	46	50	118	99	2,000	805	116	856	357
7	82	62	52	45	52	120	162	1,360	848	109	700	298
8	78	62	46	48	49	130	317	1,190	872	107	607	267
9	74	58	44	45	43	158	357	-840	856	162	460	246
10	73	60	39	46	43	194	421	763	833	160	369	218
11	71	58	41	43	40	189	602	742	777	474	313	390
12	70	60	46	45	43	191	840	840	756	373	280	305
13	68	59	60	36	43	209	968	1,000	688	243	223	255
14	66	60	43	40	44	243	1,030	1,080	646	179	189	234
15	65	46	25	45	43	237	976	1,130	607	164	174	191
16	64	50	26	46	43	220	1,050	1,300	563	176	155	172
17	62	53	30	35	40	223	1,150	1,430	500	164	144	160
18	59	66	35	35	43	220	1,090	1,380	440	149	162	158
19	56	50	36	35	44	212	1,010	1,460	416	138	207	155
20	91	49	44	35	44	215	1,160	1,470	390	132	294	147
21	98	53	40	36	40	218	1,220	1,490	373	114	294	132
22	89	53	38	40	41	202	1,340	1,440	369	120	223	229
23	79	68	39	40	46	162	1,360	1,450	325	101	172	167
24	76	59	40	40	38	138	1,210	1,460	317	94	147	136
25	79	65	41	40	33	118	1,180	1,470	291	92	134	126
26	78	64	41	40	40	110	1,180	1,410	280	91	120	122
27	76	43	43	40	46	101	1,200	1,380	243	101	114	136
28	79	35	46	43	50	114	1,170	1,400	243	109	126	153
29	81	48	44	44	53	132	1,140	1,430	243	101	246	144
30	81	48	45	33	-	191	992	1,450	220	114	817	158
31	68	-	48	33	-	144	-	1,450	-	109	640	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,485	126	56	80.2	4,930
November	1,740	73	35	58.0	3,450
December	1,347	60	25	43.5	2,670
Calendar year					
January	1,264	48	33	40.8	2,510
February	1,232	53	27	42.5	2,440
March	4,899	243	54	158	9,720
April	23,833	1,360	99	794	47,270
May	41,285	2,000	742	1,332	81,890
June	17,869	1,340	220	596	35,440
July	4,762	474	91	154	9,450
August	9,291	856	101	300	18,430
September	7,594	605	122	253	15,060
Water year 1935-36	117,601	2,000	25	321	233,300

San Juan River at Rosa, N. Mex.

Location.- Water-stage recorder, lat. 37°0'21", 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 1936 in reports of U. S. Geological Survey; September 1920 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, about 6,580 second-feet, probably occurred on May 6 during period of no record (gage height, 6.0 feet, from high-water marks); minimum daily discharge (estimated), 100 second-feet Dec. 16, 17, Feb. 3.
1930-36: Maximum discharge, about 10,400 second-feet June 21, 1935 (gage height, 7.60 feet); minimum daily discharge (estimated), 70 second-feet Dec. 1, 2, 1934.

Remarks.- Records good except those for periods of ice effect, Dec. 10 to Feb. 21, Feb. 24-28, and those for periods of missing or uncertain gage-height record, Mar. 10, Mar. 28 to May 10, May 12-25, June 13, 14, which were computed on basis of weather records and records for other stations on same stream and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	455	270	173	160	160	300	800	3,100	3,120	462	250	1,320
2	408	265	154	120	150	483	620	3,300	2,620	396	455	980
3	378	275	140	170	100	680	700	3,800	2,170	354	731	1,080
4	378	260	144	160	110	900	760	4,500	1,780	316	846	1,640
5	372	250	144	170	160	1,010	600	5,200	1,620	300	2,700	1,080
6	342	218	173	170	190	1,090	560	6,000	1,680	260	2,860	864
7	318	218	169	170	200	1,210	600	4,700	1,770	232	2,390	720
8	306	228	169	180	190	1,360	980	3,500	1,900	232	1,680	624
9	295	228	154	170	160	1,520	1,600	2,900	1,880	270	1,290	560
10	285	228	120	170	160	1,730	2,600	2,400	1,860	441	990	511
11	270	232	120	160	150	1,460	2,800	1,960	1,740	680	873	672
12	265	218	130	170	160	1,330	3,400	2,400	1,760	1,250	950	801
13	250	218	130	140	160	1,560	4,000	2,900	1,650	672	729	640
14	255	218	120	150	170	1,830	4,500	3,200	1,550	497	608	592
15	250	205	110	170	160	1,930	4,700	3,500	1,440	427	560	518
16	246	189	100	170	160	1,610	4,500	3,800	1,380	441	518	462
17	241	189	100	130	150	1,420	4,800	4,100	1,220	402	476	427
18	236	205	120	120	160	1,250	5,000	4,300	1,090	390	483	427
19	241	201	140	110	170	1,330	4,600	4,300	1,020	378	553	462
20	568	185	170	120	170	1,140	4,300	4,400	900	390	883	462
21	408	185	150	130	150	1,120	4,600	4,600	837	354	1,000	402
22	330	197	140	140	169	1,250	4,800	4,000	753	342	584	680
23	300	193	150	150	169	930	5,000	3,700	720	300	469	792
24	336	197	160	150	140	648	4,500	3,600	688	250	396	490
25	318	205	160	160	120	696	4,300	3,550	656	232	342	408
26	312	223	160	160	150	553	4,300	3,290	648	228	312	372
27	312	201	160	170	180	600	4,200	3,200	584	236	280	414
28	324	177	180	170	190	540	4,000	3,200	525	312	275	483
29	336	158	170	160	218	600	4,000	3,120	532	295	372	497
30	348	177	170	120	-	700	3,500	3,380	532	275	1,470	497
31	300	-	180	130	-	900	-	3,560	-	255	1,770	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,983	568	236	322	19,800
November	6,413	275	158	214	12,720
December	4,560	180	100	147	9,040
Calendar year 1935	585,142	8,710	80	1,603	1,161,000
January	4,720	180	110	152	9,360
February	4,676	218	100	161	9,270
March	33,680	1,930	300	1,086	66,800
April	95,620	5,000	560	3,187	189,700
May	113,450	6,000	1,960	3,660	225,000
June	40,655	3,120	525	1,355	80,640
July	11,871	1,250	228	383	23,550
August	28,095	2,860	250	906	55,730
September	19,877	1,640	372	663	39,430
Water year 1935-36	373,610	6,000	100	1,021	741,000

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 1½ miles east of Blanco.

Drainage area.- 3,320 square miles.

Records available.- December 1908 to October 1910, October 1930 to September 1936 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 during year, 9,100 second-feet May 6 (gage height, 5.91 feet); minimum daily discharge, 137 second-feet July 28.
1930-36: Maximum discharge, about 17,700 second-feet Sept. 27, 1935; maximum gage height, 7.65 feet Aug. 21, 1932; minimum daily discharge, 23 second-feet July 7, 1934.

Remarks.- Records good except those for periods of ice effect, Dec. 14 to Jan. 31, Feb. 3 to Mar. 10, which were computed on basis of two discharge measurements, records for stations at Rosa and Farmington, weather records, and gage heights and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	880	398	212	210	208	400	1,860	3,750	4,150	576	188	1,910
2	773	368	223	180	201	640	1,460	4,010	3,500	481	188	1,490
3	694	362	223	250	150	900	1,680	4,880	2,920	384	395	1,240
4	654	356	231	240	170	1,150	1,580	5,860	2,290	320	795	2,290
5	630	345	243	240	240	1,300	1,340	6,960	1,930	272	2,380	1,750
6	614	320	264	250	270	1,420	1,330	7,560	1,860	272	3,500	1,290
7	550	300	278	250	280	1,570	1,380	6,040	1,980	217	3,380	1,080
8	466	325	264	240	260	1,860	2,070	4,580	2,170	188	2,290	900
9	459	330	255	250	240	2,380	3,500	3,620	2,300	180	1,700	766
10	452	330	208	240	220	2,300	3,380	3,030	2,320	213	1,260	694
11	466	335	198	240	210	1,880	3,880	2,750	2,290	378	995	630
12	459	335	190	230	240	1,620	4,730	2,920	2,170	1,060	870	973
13	438	325	201	230	240	1,700	5,520	3,500	2,050	920	920	880
14	424	325	200	200	250	2,030	5,860	3,750	1,840	576	678	718
15	398	310	180	210	240	2,300	5,520	3,880	1,730	514	590	678
16	392	286	160	240	240	2,070	5,190	4,150	1,600	378	548	583
17	362	268	150	250	210	1,670	5,690	4,730	1,480	351	507	527
18	345	273	150	210	240	1,600	5,860	4,730	1,290	325	481	488
19	345	291	180	170	250	1,650	5,360	4,730	1,140	320	520	500
20	480	296	220	150	240	1,510	5,360	4,880	1,040	310	694	562
21	702	264	250	160	210	1,410	5,360	5,040	900	290	1,810	541
22	543	255	220	170	220	1,510	5,520	4,730	804	254	951	598
23	453	273	210	190	250	1,510	5,860	4,440	759	241	654	1,040
24	494	305	210	200	200	1,030	5,190	4,440	694	205	514	768
25	522	305	230	210	180	1,020	4,880	4,440	686	164	419	576
26	487	325	230	220	210	880	5,040	4,290	630	146	356	514
27	473	325	230	230	250	831	4,880	4,150	606	140	310	481
28	466	286	240	230	270	973	4,730	4,010	527	137	290	583
29	473	215	250	220	300	1,340	4,580	3,880	514	191	382	638
30	459	190	240	190	-	1,550	4,150	4,010	555	188	1,430	598
31	452	-	240	170	-	2,010	-	4,580	-	174	3,260	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15,805	880	345	510	31,350
November	9,221	398	190	307	18,290
December	6,780	278	150	219	13,450
Calendar year 1935	776,091	14,700	98	2,126	1,539,000
January	6,670	250	150	215	13,230
February	6,689	300	150	231	13,270
March	46,024	2,380	400	1,485	91,290
April	122,760	5,860	1,330	4,092	243,500
May	138,320	7,560	2,750	4,462	274,400
June	48,725	4,150	514	1,624	96,640
July	10,365	1,060	137	334	20,560
August	33,235	3,500	188	1,072	65,920
September	26,308	2,290	481	877	52,180
Water year 1935-36	470,902	7,560	137	1,287	934,100

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 1936 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, 13,500 second-feet May 7 (gage height, 5.06 feet); minimum daily discharge, 302 second-feet July 29.
1930-36: Maximum discharge, about 32,800 second-feet Sept. 28, 1935 (gage height, estimated, 8.0 feet); minimum daily discharge, estimated, 30 second-feet Sept. 1, 1931, July 6, 7, 1934.

Remarks.- Records fair except those for period of ice effect, Feb. 14-26, and those for Jan. 2-15, which are poor and were computed on basis of weather records and records for San Juan River near Blanco and at Shiprock and Animas River at Farmington. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,050	894	496	528	391	772	1,990	4,840	7,340	1,280	391	3,080
2	1,780	832	544	370	472	1,050	1,870	5,020	5,920	1,110	488	2,570
3	1,610	784	504	500	496	1,450	1,500	6,310	4,600	908	596	2,320
4	1,480	784	528	450	436	2,070	1,700	8,940	3,510	784	2,000	2,790
5	1,430	749	605	500	420	2,670	1,590	10,700	2,920	683	3,060	2,790
6	1,380	661	560	500	384	2,770	1,540	12,000	2,570	596	4,280	2,070
7	1,310	614	528	490	377	2,640	1,520	11,500	2,690	544	5,370	1,610
8	1,140	605	528	520	496	2,620	1,760	8,010	3,220	391	4,090	1,700
9	1,100	650	512	490	472	3,200	2,840	5,740	3,780	335	3,140	1,570
10	1,020	661	442	500	412	3,690	3,030	4,600	4,150	322	2,720	1,260
11	964	694	398	470	442	3,060	3,810	4,120	4,340	605	2,090	1,250
12	978	716	391	490	544	2,840	5,050	4,400	3,960	1,870	1,720	1,360
13	936	683	428	390	578	2,690	5,920	5,920	3,810	2,260	1,790	1,480
14	880	694	428	440	550	2,820	6,920	6,710	3,420	1,400	1,570	1,380
15	844	694	391	490	550	3,250	7,130	6,710	3,400	1,100	1,250	1,230
16	796	641	370	480	520	3,400	6,920	6,920	3,170	832	1,140	1,160
17	796	605	342	504	500	2,740	7,130	7,560	3,030	738	1,080	1,020
18	784	596	335	412	480	2,790	7,340	7,780	2,820	672	1,050	936
19	832	641	342	363	460	2,690	6,710	7,780	2,460	650	1,160	992
20	1,630	661	349	356	430	2,520	6,510	8,010	2,280	760	1,590	1,060
21	1,520	605	405	322	410	2,370	6,310	8,470	2,070	784	2,840	1,120
22	1,060	544	391	342	470	2,390	6,710	7,780	1,810	650	2,390	1,550
23	868	535	458	370	500	2,370	7,560	7,340	1,660	560	1,740	1,480
24	950	560	420	405	510	2,070	7,340	7,340	1,590	496	1,500	1,200
25	1,010	614	412	442	740	1,780	6,510	7,340	1,680	391	1,230	1,060
26	964	623	420	450	540	1,590	6,710	7,780	1,550	316	992	868
27	908	661	435	480	578	1,500	6,710	7,560	1,380	458	784	964
28	908	632	504	480	552	1,280	6,310	6,920	1,250	349	683	1,160
29	880	569	465	496	587	1,430	6,120	6,310	1,120	302	760	1,060
30	880	488	480	405	-	1,640	6,120	6,920	1,110	384	3,650	922
31	908	-	512	363	-	1,790	-	7,780	-	370	6,510	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34,596	2,050	784	1,116	68,620
November	19,691	894	488	656	39,060
December	13,923	605	335	449	27,620
Calendar year 1935	1,191,930	20,200	112	3,266	2,364,000
January	13,798	528	322	445	27,370
February	14,296	740	377	493	28,360
March	71,942	3,690	772	2,321	142,700
April	149,180	7,560	1,500	4,973	295,900
May	225,110	12,000	4,120	7,262	446,500
June	88,610	7,340	1,110	2,954	175,800
July	22,900	2,260	302	739	45,420
August	63,654	6,510	391	2,053	126,300
September	45,002	3,080	868	1,500	89,260
Water year 1935-36	762,702	12,000	302	2,084	1,513,000

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 1936 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 15,200 second-feet May 6 (gage height, 4.84 feet); minimum daily discharge, 256 second-feet July 27.

1930-31, 1932-36: Maximum discharge, about 44,200 second-feet Sept. 28, 1935 (gage height, 7.90 feet, from high-water marks); 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 fair except those for Oct. 1-20, Jan. 19-24, Feb. 13-20, 22-28, July 4, 5, 7, Sept. 2, 3, 5, which were computed on basis of records for station at Farmington and weather records and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,100	1,030	590	750	520	1,110	2,570	5,180	8,640	1,420	262	5,440
2	1,800	990	622	576	670	1,730	1,660	4,950	6,700	1,390	440	4,960
3	1,700	1,030	590	402	804	2,170	1,620	6,930	5,620	1,190	512	6,040
4	1,600	950	576	464	670	2,280	2,140	9,440	4,250	1,000	1,460	3,810
5	1,500	876	670	520	492	3,350	1,730	10,900	3,810	850	5,620	4,250
6	1,500	1,070	734	450	520	3,480	1,780	12,800	3,520	619	5,820	2,680
7	1,400	990	768	576	390	3,080	1,870	12,400	3,620	500	8,640	2,130
8	1,200	990	734	606	534	3,570	1,850	9,170	3,910	364	4,830	1,830
9	1,200	1,010	638	750	734	3,210	3,540	6,250	4,250	358	3,260	1,640
10	1,100	1,010	534	562	638	3,630	4,680	5,250	4,630	352	2,200	1,440
11	1,000	950	414	534	654	3,610	5,620	5,250	4,500	364	1,580	1,480
12	1,000	990	438	750	822	2,700	7,160	5,250	4,250	1,080	1,300	1,570
13	950	930	450	768	1,000	2,640	9,720	6,250	4,130	2,140	1,160	1,710
14	900	876	534	622	1,100	2,850	10,300	7,400	3,710	1,730	1,130	1,480
15	900	876	506	606	1,000	3,390	10,000	7,160	3,430	1,300	1,060	1,310
16	800	894	438	734	950	3,260	8,380	7,160	3,170	1,100	1,020	1,240
17	800	876	366	686	900	2,790	8,380	8,130	3,080	943	1,130	1,130
18	800	876	280	562	850	2,880	9,170	8,900	2,840	855	1,220	1,130
19	906	894	270	540	850	2,770	8,900	7,640	2,680	780	790	1,250
20	1,900	930	310	530	800	2,650	8,380	8,130	2,520	682	1,060	1,160
21	1,330	858	492	500	734	2,410	8,130	8,900	2,300	750	2,760	1,290
22	1,280	750	534	520	800	2,380	7,880	8,130	2,130	655	2,440	2,220
23	950	768	478	560	900	2,440	8,900	7,160	1,960	538	1,600	1,710
24	950	822	562	590	1,000	1,820	9,170	7,400	2,010	496	1,320	1,710
25	1,070	894	576	638	1,300	1,420	7,400	6,930	1,900	391	1,150	1,250
26	970	912	576	768	1,000	1,500	7,160	7,880	1,850	280	1,010	1,010
27	1,030	840	534	804	702	1,530	7,640	8,130	1,730	256	954	1,060
28	1,070	734	606	786	606	1,480	6,930	7,160	1,640	480	910	1,290
29	1,050	734	590	718	686	1,820	6,480	6,700	1,480	322	2,680	1,040
30	1,030	638	562	786	-	2,270	6,930	7,400	1,400	292	5,260	1,060
31	1,050	-	750	534	-	2,490	-	8,900	-	292	7,880	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	36,830	2,100	800	1,188	73,050
November	26,988	1,070	638	900	53,530
December	16,722	768	270	539	33,170
Calendar year 1935	1,263,655	32,700	250	3,462	2,506,000
January	19,192	804	402	619	38,070
February	22,626	1,300	390	780	44,880
March	78,710	3,330	1,110	2,539	156,100
April	186,070	10,300	1,620	6,202	369,100
May	239,230	12,800	4,950	7,717	474,500
June	101,660	8,640	1,400	3,389	201,600
July	23,769	2,140	256	767	47,150
August	72,478	8,640	262	2,338	143,800
September	61,320	6,040	1,010	2,044	121,600
Water year 1935-36	885,595	12,800	256	2,420	1,757,000

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 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 1936.

Average discharge.- 11 years (1915-17, 1927-36), 2,848 second-feet.

Extremes.- Maximum discharge during year, 12,700 second-feet May 7 (gage height, 12.5 feet); minimum, 182 second-feet Dec. 19 (gage height, 3.36 feet).
1915-17, 1927-36: Maximum discharge, about 70,000 second-feet Sept. 10, 1927 (gage height, 32.0 feet); no flow July 3-13, 1934.
Flood of Oct. 6, 1911, which was greatest known at Shiprock, N. Mex., probably exceeded that of Sept. 10, 1927, at this station, but stage was not accurately determined.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,310	842	613	559	727	734	1,820	6,460	7,320	872	326	6,970
2	1,870	835	601	425	727	865	2,490	5,480	7,140	828	850	6,800
3	1,670	762	565	447	918	1,530	1,980	5,320	6,120	902	607	5,480
4	1,530	727	601	474	727	3,120	1,670	6,970	5,000	769	915	5,160
5	1,400	748	625	420	688	3,660	2,080	8,590	3,940	631	3,950	3,380
6	1,305	748	643	370	607	3,800	1,770	9,920	3,380	571	7,140	3,520
7	1,260	720	688	518	513	3,380	1,530	11,500	2,920	508	6,460	2,730
8	1,260	688	694	577	436	2,990	1,530	10,300	2,990	469	6,800	2,250
9	1,100	655	668	619	452	2,920	1,580	7,680	3,380	405	4,530	1,980
10	1,060	643	655	595	541	3,120	3,060	6,120	3,940	400	3,250	1,720
11	980	688	625	571	625	3,250	3,940	4,840	4,230	430	2,550	1,720
12	895	707	595	595	631	3,120	4,230	4,230	4,230	980	1,920	1,620
13	895	707	547	601	681	2,430	5,160	4,080	4,080	474	1,670	1,820
14	872	714	502	589	783	2,200	6,800	5,160	4,080	1,920	1,530	1,720
15	828	643	496	649	956	2,430	7,680	6,120	3,800	1,350	1,350	1,440
16	812	649	496	694	1,220	2,670	7,680	6,120	3,520	980	1,220	1,220
17	776	637	496	681	1,180	2,670	7,140	6,460	3,120	918	1,100	1,100
18	748	625	420	783	1,060	2,370	7,680	6,800	2,920	688	1,400	1,020
19	720	619	405	631	1,180	2,140	8,040	7,500	2,730	674	1,140	1,010
20	734	655	312	442	1,060	1,920	7,680	7,140	2,490	583	888	1,260
21	1,260	655	321	405	902	2,030	7,500	7,500	2,250	553	2,380	1,400
22	1,620	674	321	452	812	1,820	7,500	7,680	1,980	707	4,530	1,620
23	1,260	637	348	491	741	1,870	7,680	7,320	1,720	607	3,180	2,670
24	1,100	601	513	458	798	2,200	8,220	6,800	1,480	502	1,720	2,030
25	932	649	518	565	1,000	1,920	8,040	6,970	1,440	469	1,180	1,670
26	980	694	518	637	1,820	1,480	7,140	6,970	1,400	480	888	1,260
27	940	707	474	748	1,670	1,440	7,140	7,500	1,350	415	727	1,060
28	910	734	370	880	1,020	1,260	6,970	7,140	1,220	344	625	1,100
29	850	727	420	842	805	1,180	6,800	6,630	1,180	357	667	1,400
30	850	674	535	820	-	1,260	6,630	6,120	1,000	395	5,440	1,140
31	842	-	535	762	-	1,530	-	6,630	-	410	7,500	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	34,569	2,310	720	1,115	68,570
November	20,764	842	601	692	41,180
December	16,120	694	312	520	31,970
Calendar year 1935	1,137,331	18,500	100	3,116	2,256,000
January	18,300	880	370	590	36,300
February	25,280	1,820	436	872	50,140
March	69,309	3,800	734	2,236	137,500
April	159,160	8,220	1,530	5,305	315,700
May	214,050	11,500	4,080	6,905	424,600
June	96,350	7,320	1,000	3,212	191,100
July	20,591	1,920	344	664	40,840
August	78,433	7,500	326	2,530	155,600
September	69,270	6,970	1,010	2,309	137,400
Water year 1935-36	822,196	11,500	312	2,246	1,631,000

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 1935 to September 1936.

Extremes.- Maximum discharge during year, about 1,210 second-feet May 5 (gage height, 4.85 feet); minimum occurred during period of ice effect.
1935-36: Maximum discharge, about 2,250 second-feet June 15, 1935 (gage height, 6.83 feet); minimum not determined.

Remarks.- Records good except those for periods of ice effect, Nov. 21-23, 25, 26, 29, 30, Dec. 1, 2, 4-9, Dec. 11 to Mar. 12, which were computed on basis of records for San Juan River at Pagosa Springs and weather records and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	33	35			16	37	462	580	92	53	181
2	42	35	35			20	37	560	479	86	68	168
3	40	33	36			25	39	682	369	81	64	260
4	40	31	36			30	44	865	365	77	65	228
5	39	30	36			35	44	965	388	72	229	183
6	37	32	36			41	45	818	392	66	346	152
7	35	32	36			49	45	560	420	63	268	132
8	35	33	35			55	66	423	434	58	224	121
9	34	32	34			62	77	334	434	87	179	112
10	33	32	33			62	105	297	412	84	150	105
11	32	33	33			54	185	308	398	209	129	175
12	31	33	33			60	272	382	395	144	117	129
13	31	33	33			66	337	462	369	98	100	114
14	30	33	24			69	328	490	340	80	90	107
15	28	31	18			69	322	520	319	80	86	95
16	30	33	14			70	365	620	294	84	77	86
17	31	34	14			70	412	620	265	86	74	79
18	28	34	15			69	406	660	236	79	81	76
19	33	33	16			65	388	750	217	74	89	73
20	42	35	17			65	395	795	199	69	125	70
21	38	35	18			68	412	772	188	64	101	65
22	34	35	17			64	496	750	175	64	84	77
23	31	35	16			50	496	750	152	56	72	68
24	34	33				46	430	750	142	54	66	63
25	34	30				35	479	750	146	53	61	60
26	35	29				37	520	682	134	53	58	59
27	36	29	15			44	496	705	119	54	58	61
28	37	26				44	465	682	121	50	59	63
29	38	28				42	458	705	116	52	74	63
30	36	33				41	398	682	107	53	283	64
31	33	-				39	-	660	-	54	212	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,082	45	28	34.9	2,150
November	968	35	28	32.3	1,920
December	740	36	-	23.9	1,470
Calendar year					
January	465	-	-	15	922
February	435	-	-	15	863
March	1,562	70	16	50.4	3,100
April	8,599	520	37	287	17,060
May	19,461	965	297	628	38,600
June	8,705	580	107	290	17,270
July	2,376	209	50	76.6	4,710
August	3,742	346	53	121	7,420
September	3,289	260	59	110	6,520
Water year 1935-36	51,424	965	-	141	102,000

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 1935 to September 1936.

Extremes.- Maximum discharge during year, 1,330 second-feet Aug. 6; maximum gage height, 4.08 feet May 5; minimum daily discharge, 9 second-feet Dec. 10.
1935-36: Maximum discharge, that of Aug. 6, 1936; maximum gage height, that of May 5, 1936; minimum daily discharge, that of Dec. 10, 1935.

Remarks.- Records fair except those for periods of ice effect Nov. 19 to Dec. 4, Dec. 9, Dec. 11 to Jan. 21, Jan. 23-29, Jan. 31 to Mar. 19, which are poor and were computed on basis of four discharge measurements, records for Rito Blanco near Pagosa Springs and San Juan River at Pagosa Springs, and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	79	26	22			14	24	375	272	41	30	137
2	70	28	22			15	17	480	212	36	40	100
3	66	24	22			17	22	560	155	37	79	293
4	62	21	18			20	22	624	137	33	243	158
5	53	17	16			26	21	733	152	28	403	96
6	49	14	16			31	19	664	180	27	544	68
7	45	16	16			37	19	469	202	47	294	51
8	44	18	17			43	49	325	212	45	184	37
9	42	17	13			50	84	244	212	66	118	31
10	39	18	9			53	108	205	202	93	90	33
11	37	17	10	12		50	180	240	188	256	68	111
12	34	19	11			54	307	316	177	90	58	66
13	31	22	12			58	340	350	152	55	45	47
14	30	23	11			62	312	360	149	44	41	37
15	30	18	10			66	302	390	146	44	36	31
16	27	19	10			68	320	452	140	45	39	26
17	27	21	10			70	325	447	132	39	42	24
18	24	23	11			70	320	425	121	36	62	28
19	39	30	12			70	320	420	113	34	62	27
20	70	26	13			70	370	430	98	27	152	22
21	56	25				70	553	385	88	26	79	21
22	42	29		*11		60	469	340	90	26	51	235
23	37	31				44	425	340	88	21	41	56
24	39	28				39	395	345	88	17	34	36
25	42	25				31	430	320	73	15	28	27
26	44	22	12	14		31	415	316	68	14	23	36
27	42	21				31	410	335	66	41	22	56
28	44	20				31	420	340	60	36	37	77
29	41	22				26	365	365	58	41	78	92
30	33	22		*17		23	312	335	49	36	264	75
31	24	-		15		27	-	325	-	34	208	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,342	79	24	43.3	2,660
November	661	31	14	22.0	1,310
December	413	22	9	13.3	819
Calendar year					
January	393	-	-	12.7	780
February	377	-	-	13	748
March	1,357	70	14	43.8	2,690
April	7,675	553	17	256	15,220
May	12,255	733	205	395	24,310
June	4,080	272	49	136	8,090
July	1,430	256	14	46.1	2,840
August	3,495	544	22	113	6,930
September	2,134	293	21	71.1	4,230
Water year 1935-36	35,612	733	9	97.3	70,630

*Discharge measurement.

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 mile above Sheep Cabin Creek and 7¾ miles southeast of Pagosa Springs.

Records available.- May 1935 to September 1936.

Extremes.- Maximum discharge during year, 250 second-feet Apr. 12 (gage height, 2.68 feet); minimum daily discharge, 0.4 second-foot Nov. 5, July 24-26.
1935-36: Maximum discharge, 310 second-feet June 9, 1935 (gage height, 2.87 feet); minimum daily discharge, that of Nov. 5, 1935, July 24-26, 1936.

Remarks.- Records fair except those for Oct. 8, 10-14, and those for periods of ice effect, Nov. 28 to Dec. 4, Dec. 15, 16, 18-30, Jan. 1 to Mar. 4, which are poor. They were computed on basis of records for Rito Blanco near Pagosa Springs and San Juan River at Pagosa Springs and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	1.2	2.5			2.2	11	102	46	1.2	3.4	9.0
2	3.2	2.1	2.5			2.5	14	111	40	1.1	2.6	6.8
3	2.9	1.1	2.5		1.6	3.5	15	127	32	1.0	5.8	16
4	2.6	.8	2.8			4.5	11	146	28	1.0	7.7	13
5	2.6	.4	2.7			6.5	8.6	162	24	1.0	22	9.8
6	2.4	.6	2.2			6.8	9.0	143	21	.9	22	7.9
7	2.2	1.2	2.1			7.5	14	108	21	1.0	16	6.8
8	2.2	1.2	2.7			9.8	38	69	22	1.4	13	6.2
9	2.1	1.2	3.2	2.5		11	56	56	22	4.3	9.4	5.5
10	2.0	1.0	2.1			12	76	49	23	3.2	7.9	5.2
11	2.0	.9	2.0			13	117	49	22	13	6.8	11
12	1.9	1.0	1.8			29	156	50	21	7.9	5.2	7.5
13	1.9	1.0	1.8			60	149	52	18	5.2	4.5	5.5
14	1.8	1.1	2.6			26	133	54	18	3.8	4.1	5.0
15	1.8	.9	3.0			18	124	56	17	3.6	3.6	3.8
16	1.8	1.0	3.3			18	117	69	16	1.8	3.6	2.6
17	1.6	1.5	3.6			18	124	73	13	1.0	4.0	2.2
18	1.5	2.4		2.0	2.0	15	114	71	11	.9	6.0	2.6
19	1.6	1.6				15	120	69	9.8	1.0	4.3	2.9
20	4.5	3.6				19	139	67	9.4	1.2	6.2	3.2
21	4.1	3.6		*2.0		17	139	65	7.2	1.0	6.2	2.7
22	2.9	3.8				14	149	58	7.2	1.0	4.1	12
23	2.4	4.5				13	139	56	5.0	.7	3.6	5.5
24	2.4	2.4	2.5			15	139	54	4.3	.4	2.9	3.2
25	2.0	2.6		2.0		11	143	54	3.7	.4	2.4	3.4
26	2.1	2.2				15	133	52	2.9	.4	1.0	3.2
27	2.6	1.6				14	127	52	2.6	.8	.9	4.3
28	2.7	2.0				12	127	50	2.1	1.1	1.0	5.2
29	2.4	2.5		1.6		9.4	114	49	2.0	2.5	4.6	5.8
30	2.2	2.5		1.6	-	11	98	49	1.8	2.9	15	6.2
31	2.0	-	2.1	1.6	-	11	-	52	-	2.0	11	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	74.2	4.5	1.5	2.39	147
November	53.5	4.5	.4	1.78	106
December	78.0	3.6	1.8	2.52	155
Calendar year					
January	68.3	-	-	2.20	135
February	56.0	-	-	1.93	111
March	439.7	60	2.2	14.2	872
April	2,853.6	156	8.6	95.1	5,660
May	2,274	162	49	73.4	4,510
June	473.0	46	1.8	15.8	938
July	68.7	13	.4	2.22	136
August	210.8	22	.9	6.80	418
September	184.0	16	2.2	6.13	365
Water year 1935-36	6,833.8	162	.4	18.7	13,550

*Discharge measurement.

Navajo River near Chromo, Colo.

Location.- Water-stage recorder, lat. 37°2'0", long. 106°46'50", in SW¼ sec. 6, T. 32 N., R. 2 E., 3.5 miles east of Chromo.

Records available.- May 1935 to September 1936.

Extremes.- Maximum discharge during year, 872 second-feet Apr. 12 (gage height, 3.75 feet); minimum daily discharge, 20 second-feet Dec. 15.
1935-36: Maximum discharge, about 1,920 second-feet June 16, 1935 (gage height, 4.46 feet); minimum daily discharge, that of Dec. 15, 1935.

Remarks.- Records good except those for periods of ice effect, Nov. 17-22, 24-26, 26-30, Dec. 1, 3, 5, 6, Dec. 15 to Mar. 6, Mar. 8, which are poor. They were computed on basis of two discharge measurements, records for Navajo River at Edith and San Juan River at Pagosa Springs, and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	80	42	37				87	438	362	82	79	145
2	76	44	41			35	76	510	310	78	96	105
3	72	43	38				67	622	249	72	161	153
4	74	41	33			40	52	657	232	71	153	138
5	71	38	32			45	51	713	236	67	403	108
6	67	41	33			50	57	643	267	69	249	91
7	65	44	34			60	84	517	280	69	236	84
8	63	41	32			70	158	426	285	67	161	78
9	62	40	31			80	196	340	290	71	118	71
10	60	40	29			82	240	295	290	87	100	71
11	58	37	29	30		65	374	280	262	171	94	105
12	56	36	33			69	517	335	254	121	84	89
13	54	35	35			84	545	408	232	87	72	74
14	52	34	33			118	559	444	224	78	65	67
15	52	33	20			124	573	456	212	76	62	65
16	52	28	21			118	587	524	200	76	65	60
17	51	28	23			118	601	538	182	69	62	56
18	48	30	25			124	573	545	168	63	65	69
19	52	35	27			121	552	504	154	62	83	74
20	67	33	30			127	601	504	148	57	129	63
21	56	34				82	636	492	132	57	103	60
22	50	35		*24		118	629	468	132	58	78	208
23	48	41				89	615	462	124	52	65	116
24	50	38				78	566	450	116	50	58	87
25	48	39				78	601	438	108	50	56	76
26	47	38	30	30		78	601	384	100	47	54	78
27	48	32				78	566	357	96	56	51	87
28	48	25				82	517	379	91	60	52	89
29	48	30				94	468	426	98	52	112	87
30	46	33				121	426	420	96	51	168	91
31	41	-		*38		113	-	390	-	52	154	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,762	80	41	56.8	3,490
November	1,088	44	25	36.3	2,160
December	946	41	20	30.5	1,880
Calendar year					
January	932	-	-	30.1	1,850
February	957	-	-	33	1,900
March	2,611	127	-	84.2	5,180
April	12,175	636	51	406	24,150
May	14,365	713	280	463	28,490
June	5,930	362	91	198	11,760
July	2,178	171	47	70.3	4,320
August	3,488	403	51	113	6,920
September	2,747	208	58	91.6	5,450
Water year 1935-36	49,179	713	20	134	97,550

*Discharge measurement.

Navajo River at Edith, Colo.

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

Records available.- September 1912 to December 1914, June 1935 to September 1936 in reports of U. S. Geological Survey; September 1912 to December 1928 in reports of State engineer.

Extremes.- Maximum discharge during year, 1,180 second-feet Apr. 12 (gage height, 4.65 feet); minimum observed, 21 second-feet Jan. 23 (discharge measurement).
1935-36: Maximum discharge, 1,360 second-feet June 16, 1935 (gage height, 4.89 feet); minimum observed, that of Jan. 23, 1936.

Remarks.- Records good except those for period of ice effect, Dec. 12 to Mar. 12, and for period Nov. 23 to Dec. 3, which were computed on basis of one discharge measurement, records for Navajo River near Chromo and San Juan River at Pagosa Springs, and weather records and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	102	48	42			52	129	536	358	83	56	154
2	96	52	42			60	144	592	299	76	98	112
3	91	50	42			70	154	688	236	78	144	146
4	96	48	41			80	117	755	210	73	142	150
5	91	40	39			100	119	805	205	71	449	119
6	87	40	31			110	136	755	212	71	236	104
7	85	44	28			120	168	588	236	70	228	96
8	83	45	24			125	314	496	251	72	156	87
9	78	44	23			150	386	408	245	69	126	80
10	77	45	22			180	442	330	251	85	108	77
11	76	44	26			180	620	311	236	140	108	108
12	73	46	30	35		180	755	352	236	129	97	97
13	72	44	45			228	805	453	212	92	84	80
14	71	45	35		38	242	805	500	202	81	75	72
15	70	40	24			248	780	492	200	80	71	67
16	69	40	25			225	780	572	188	76	71	64
17	66	40	27			210	805	596	170	76	72	62
18	63	44	31			215	732	592	158	66	70	69
19	62	45	32			215	710	580	148	63	83	76
20	90	42	37			210	732	564	135	63	126	73
21	76	43				210	780	556	129	61	112	67
22	66	42				192	755	504	124	62	83	194
23	64	50		*21		142	780	500	122	62	72	126
24	69	48				122	688	472	114	55	66	96
25	64	49				116	710	460	106	53	61	87
26	62	48	35			104	688	400	106	53	60	85
27	62	40		35	45	96	642	397	91	49	57	98
28	62	34			48	100	665	404	88	56	58	102
29	61	40			50	131	604	418	90	55	96	96
30	56	41			-	185	506	428	91	54	156	103
31	50	-			-	180	-	390	-	53	138	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,290	102	50	73.9	4,540
November	1,321	52	34	44.0	2,620
December	1,031	45	-	33.3	2,040
Calendar year					
January	1,071	-	21	34.5	2,120
February	1,131	-	-	39.0	2,240
March	4,778	248	52	154	9,480
April	16,453	805	117	548	32,630
May	15,894	805	311	513	31,530
June	5,449	358	88	182	10,810
July	2,229	140	49	71.9	4,420
August	3,559	449	56	115	7,060
September	2,947	194	62	98.2	5,850
Water year 1935-36	58,153	805	21	159	115,300

*Discharge measurement.

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 1935 to September 1936.

Extremes.- Maximum discharge during year, 227 second-feet Apr. 13 (gage height, 3.90 feet); minimum daily discharge, 0.1 second-foot July 4-9, 26.
1935-36: Maximum discharge, that of Apr. 13, 1936; minimum daily discharge, that of July 4-9, 26, 1936.

Remarks.- Records good except those for period of ice effect, Dec. 12 to Mar. 13, and for periods Oct. 23-30, Nov. 28 to Dec. 3, which were computed on basis of three discharge measurements, records for San Juan River at Pagosa Springs and Navajo River near Chromo, and weather records and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.8	2.7				3.0	12	62	13	0.2	0.3	2.5
2	5.8	3.0	2.0			5.0	22	62	11	.2	.3	1.4
3	5.8	3.0				7.0	17	64	8.6	.2	1.0	3.0
4	5.8	2.4	2.1			10	9.5	60	6.1	.1	7.0	2.8
5	5.5	1.5	1.9			15	12	59	3.9	.1	17	2.5
6	5.3	1.8	1.8			20	14	53	2.2	.1	9.3	1.9
7	5.3	1.9	2.4			25	21	49	1.5	.1	5.8	1.6
8	5.3	2.7	2.1			30	42	46	1.2	.1	3.1	1.5
9	4.5	2.6	2.8			35	57	45	.8	.1	2.6	1.9
10	4.8	2.4	3.4			40	68	40	.7	.2	1.9	1.5
11	4.2	1.9	4.0	2		35	99	35	.7	.3	1.9	3.0
12	4.5	1.9				35	131	32	.7	.3	2.0	2.6
13	4.0	1.9				45	156	31	.6	.2	2.4	2.0
14	3.5	1.8				53	179	31	.6	.2	1.6	1.9
15	3.5	1.4				32	179	30	.6	.2	1.5	1.5
16	3.2	1.9				24	166	33	.6	.2	1.3	1.4
17	3.0	1.9				18	158	34	.6	.2	1.4	1.3
18	3.0	1.9				17	146	32	.6	.2	1.2	1.4
19	3.5	1.3				18	134	31	.5	.2	1.3	1.6
20	5.3	1.5				19	134	30	.5	.3	3.3	2.0
21	4.2	1.6	2			15	125	30	.5	.3	3.0	1.6
22	3.5	1.9		*3		11	117	28	.5	.3	2.4	9.0
23	3.5	2.2		*2		7.7	108	26	.5	.2	2.4	4.8
24	3.4	1.9				11	97	26	.3	.2	1.3	3.1
25	3.4	2.2				6.6	92	24	.3	.2	1.2	2.6
26	3.4	2.1				6.5	81	20	.3	.1	1.0	3.0
27	3.3	1.5		2		9.6	77	17	.3	.2	1.0	3.7
28	3.3					7.3	73	13	.3	.3	1.2	4.2
29	3.3	1.8				13	64	12	.3	.3	1.6	3.9
30	3.2					16	58	12	.2	.3	3.5	5.5
31	3.2	-		*2		14	-	14	-	.3	2.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	129.3	5.8	3.0	4.17	256
November	60.2	3.0	1.5	2.01	119
December	66.5	4.0	-	2.15	132
Calendar year					
January	63.0	-	-	2.0	125
February	72.5	-	-	2.5	144
March	603.7	53	3.0	19.5	1,200
April	2,648.5	179	9.5	88.3	5,250
May	1,081	64	12	34.9	2,140
June	58.5	13	.2	1.95	116
July	6.4	.3	.1	.21	13
August	87.4	17	.3	2.82	173
September	80.7	9.0	1.3	2.69	160
Water year 1935-36	4,957.7	179	.1	13.5	9,830

*Discharge measurement.

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., a quarter of a mile below Red Creek and 9 miles north of Bayfield.

Drainage area.- 284 square miles.

Records available.- October 1933 to September 1936 in reports of U. S. Geological Survey; October 1927 to September 1936 for present station, and May to September 1926 (revised) for station 2 miles upstream in reports of State engineer. Records practically comparable.

Extremes.- Maximum discharge during year, 2,560 second-feet May 5 (gage height, 5.40 feet); minimum discharge observed, 43 second-feet Feb. 21 (gage height, 0.63 foot), result of discharge measurement.

1926-36: Maximum daily discharge, 5,070 second-feet May 26, 1926; minimum discharge observed, 40 second-feet Dec. 8, 1934 (gage height, 0.40 foot), result of discharge measurement.

Greatest known flood occurred Oct. 5, 1911 (discharge not determined).

Remarks.- Records excellent except those for period of ice effect, Dec. 26 to Feb. 20, which are fair and were computed on basis of one discharge measurement and weather records, and those for Aug. 20, 29, 30, which are fair and were computed on basis of records for Animas River at Durango. Natural regulation by numerous lakes. Diversions for irrigation below station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	306	125	82			66	98	949	1,200	306	330	482
2	277	130	80			69	98	1,210	988	270	382	396
3	249	119	76			75	112	1,520	834	255	430	564
4	243	112	77			83	110	1,850	742	252	430	632
5	231	100	85			89	102	2,120	680	234	647	478
6	220	102	82			86	96	1,940	718	217	965	408
7	206	104	74			86	109	1,400	800	209	766	357
8	200	102	64			95	160	1,120	905	200	618	313
9	198	100	71			109	192	905	938	212	520	283
10	192	101	64		55	128	223	829	954	274	423	264
11	184	89	66			123	299	848	927	609	375	296
12	178	93	71			126	427	1,120	890	609	347	280
13	170	95	74			143	582	1,220	864	423	337	264
14	165	92	55			155	752	1,220	819	330	316	270
15	157	83	61			165	838	1,310	718	323	280	246
16	155	86	72			165	954	1,310	733	296	252	223
17	155	89	60			165	1,090	1,340	680	270	249	212
18	148	96	62			157	1,150	1,300	637	280	252	209
19	148	82	60		52	150	1,070	1,420	637	252	249	226
20	168	85	68		50	145	1,020	1,420	555	237	560	200
21	165	86	66		48	143	1,050	1,380	512	217	427	184
22	152	92	64		54	143	1,160	1,290	458	220	340	206
23	150	99	63		61	125	1,220	1,320	438	195	290	198
24	139	93	64		56	107	1,050	1,330	470	175	252	173
25	143	95	64		56	107	1,080	1,380	454	165	226	165
26	150	95	60		52	93	1,110	1,330	400	155	206	157
27	148	85	60		55	92	1,090	1,230	364	255	192	173
28	143	75	60		59	102	1,100	1,190	364	270	186	178
29	155	85	60	*52	62	99	1,140	1,240	354	280	206	173
30	143	82	60		-	101	949	1,380	360	386	783	186
31	126	-	60		-	109	-	1,420	-	340	609	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,564	306	126	179	11,040
November	2,872	130	75	95.7	5,700
December	2,085	85	55	67.3	4,140
Calendar year 1935	164,005	3,240	-	449	325,300
January	1,612	-	-	52	3,200
February	1,595	-	-	55.0	3,160
March	3,601	165	66	116	7,140
April	20,431	1,220	96	681	40,520
May	40,841	2,120	829	1,317	81,010
June	20,383	1,200	350	679	40,430
July	8,716	609	155	281	17,290
August	12,445	965	186	401	24,680
September	8,396	632	157	280	16,650
Water year 1935-36	128,641	2,120	-	351	255,000

*Discharge measurement.

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 1936 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, 2,860 second-feet May 6 (gage height, 4.85 feet); minimum daily discharge, 3.2 second-feet July 26.
1910-14, 1930-36: Maximum discharge, 5,570 second-feet Aug. 27, 1932 (gage height, 6.19 feet); minimum observed, 0.1 second-foot Aug. 11, 1913.

Remarks.- Records fair except those for periods of ice effect, Dec. 14-21, 28, Dec. 30 to Feb. 20, Feb. 26, 29, which are poor and were computed on basis of records for San Juan River at Rosa, N. Mex., and Animas River near Cedar Hill, N. Mex., weather records, and three discharge measurements. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	198	65	92	80	50	80	212	839	797	7.6	5.4	385
2	169	69	90	70	70	93	189	1,080	522	7.6	16	249
3	149	67	88	85	50	110	245	1,380	355	8.0	20	320
4	135	61	94	75	50	142	212	1,820	230	7.6	21	461
5	119	56	99	85	75	192	195	2,240	161	6.8	235	301
6	101	54	104	85	90	223	180	2,160	158	6.4	680	223
7	85	56	92	80	90	219	209	1,350	192	5.7	509	158
8	73	60	79	85	90	276	323	899	280	5.7	318	139
9	63	61	79	80	80	332	416	672	332	5.7	202	112
10	58	60	79	75	70	355	406	567	355	11	100	93
11	49	61	81	75	70	284	479	515	355	81	56	100
12	43	60	83	75	75	280	650	733	332	185	36	104
13	40	61	81	60	75	305	822	917	301	21	21	87
14	35	63	80	70	75	310	980	873	241	11	19	82
15	32	71	75	80	75	301	1,040	953	176	8.4	16	70
16	33	92	50	80	75	272	1,140	944	164	8.4	25	53
17	35	90	50	60	70	253	1,320	1,020	132	8.4	20	42
18	35	99	60	50	70	241	1,440	899	97	7.6	18	31
19	36	94	70	40	75	234	1,290	1,020	70	5.7	17	27
20	53	90	70	40	75	223	1,250	1,010	43	5.4	151	25
21	67	94	80	50	73	216	1,240	971	21	4.9	167	19
22	46	94	75	50	66	237	1,380	814	12	4.6	89	18
23	40	101	73	60	68	212	1,460	830	14	4.0	33	32
24	53	106	73	60	76	161	1,180	822	13	4.0	16	21
25	39	106	73	70	68	176	1,180	899	11	3.5	13	15
26	42	109	79	70	60	150	1,210	882	7.6	3.2	13	14
27	42	99	79	70	66	137	1,150	773	6.8	5.4	12	16
28	45	88	75	75	71	170	1,110	658	6.4	5.4	11	21
29	69	83	81	75	75	206	1,130	695	7.2	4.0	56	18
30	73	92	70	70	-	209	908	864	8.0	4.0	553	16
31	69	-	85	50	-	237	-	1,070	-	4.9	587	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,126	198	32	68.6	4,220
November	2,362	109	54	78.7	4,680
December	2,439	104	50	78.7	4,840
Calendar year 1935	141,728.7	3,220	6.1	388	281,100
January	2,130	85	40	68.7	4,220
February	2,073	90	50	71.5	4,110
March	6,836	355	80	221	13,560
April	24,946	1,460	180	832	49,480
May	31,169	2,240	515	1,005	61,820
June	5,400.0	797	6.4	180	10,710
July	461.9	185	3.2	14.9	916
August	4,035.4	680	5.4	130	8,000
September	3,252	461	14	108	6,450
Water year 1935-36	87,230.3	2,240	3.2	238	173,000

Animas River at Howardsville, Colo.

Location.- Water-stage recorder, lat. 37°50', long. 107°36', in sec. 12, T. 41 N., R. 7 W., 0.4 mile southwest of Howardsville and half a mile below mouth of Cunningham Creek.

Drainage area.- 55.9 square miles.

Records available.- May to September 1936.

Extremes.- Maximum discharge during period, 838 second-feet May 25 (gage height, 2.52 feet); minimum, 30 second-feet Sept. 29 (gage height, 0.45 foot).

Remarks.- Records good except those estimated for May 1, 23, which are fair. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								200	370	144	110	74
2								216	298	131	173	69
3								470	230	128	144	92
4								537	200	126	139	83
5								578	197	115	167	75
6								483	258	108	233	67
7								308	380	103	220	62
8								221	471	103	200	59
9								186	494	126	173	54
10								180	489	123	153	56
11								240	494	210	142	54
12								354	483	182	131	49
13								470	454	144	153	49
14								549	375	131	128	46
15								553	360	136	113	44
16								537	375	118	99	41
17								568	375	133	99	41
18								530	370	144	106	42
19								588	342	167	110	41
20								530	306	150	110	40
21								521	255	136	101	37
22								517	270	123	90	37
23								550	282	106	84	35
24								608	258	95	75	35
25								626	233	90	70	34
26								590	207	84	64	34
27								518	200	84	60	36
28								524	188	83	59	35
29								596	185	90	63	33
30								566	170	88	88	32
31								460	-	88	81	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	14,374	626	180	464	28,510
June	9,569	494	170	319	18,980
July	3,789	210	83	122	7,520
August	3,733	233	59	121	7,410
September	1,486	92	32	49.5	2,950
The period					65,370

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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, half a mile above mouth of Lightner Creek.

Drainage area.- 692 square miles.

Records available.- June 1895 to December 1905, January 1910 to December 1914, October 1933 to September 1936 in reports of U. S. Geological Survey; June 1895 to December 1905, December 1910 to September 1936 in reports of State engineer.

Average discharge.- 35 years (1895-1900, 1901-5, 1910-36), 923 second-feet.

Extremes.- Maximum discharge during year, 3,890 second-feet May 6[a] (gage height, 4.68 feet); minimum daily discharge, 152 second-feet Jan. 18.
1895-1900, 1901-5, 1909-36: Maximum discharge about 25,000 second-feet Oct. 5, 1911 (gage height, 13.6 feet)from rating curve extended above 7,000 second-feet; discharge for flood of June 29, 1927, about 14,000 second-feet, revised (gage height, about 9.6 feet); minimum daily discharge, 50 second-feet Dec. 22, 1917.

Remarks.- Records excellent except those for February, which are fair, and those for periods of missing gage-height records, July 2-12, July 30 to Aug. 4, which are fair and were computed on basis of records for Los Pinos River near Bayfield. Diversions for irrigation above station. Artificial regulation for power, and natural regulation by numerous lakes.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	517	243	196	175	175	211	320	1,620	2,440	782	500	635
2	487	251	193	156	180	221	302	2,070	1,930	700	550	548
3	453	251	193	180	178	228	334	2,720	1,520	660	620	607
4	430	247	196	164	154	243	339	3,160	1,320	630	620	902
5	419	235	208	183	160	260	329	3,460	1,180	600	854	715
6	393	232	201	171	171	256	302	3,680	1,290	565	1,290	600
7	372	239	191	178	178	247	307	2,790	1,560	535	1,390	535
8	358	239	183	191	167	256	362	2,030	2,040	500	1,220	481
9	339	239	183	162	160	289	499	1,550	2,230	475	1,030	464
10	325	243	178	183	160	339	580	1,380	2,280	535	838	441
11	316	239	178	183	164	325	815	1,570	2,250	1,190	745	469
12	307	228	180	183	173	316	1,150	2,100	2,230	1,190	700	419
13	302	232	188	167	167	339	1,410	2,540	2,140	910	738	409
14	298	235	180	178	160	353	1,610	2,490	1,980	722	768	393
15	294	228	162	178	162	372	1,570	2,620	1,680	685	663	362
16	289	225	162	173	162	372	1,740	2,660	1,760	656	607	344
17	285	225	154	171	162	383	1,970	2,830	1,690	649	574	329
18	276	235	156	152	158	377	2,030	2,730	1,600	642	561	334
19	276	225	160	162	158	358	1,790	2,660	1,570	738	554	353
20	307	215	169	162	162	358	1,840	2,960	1,430	752	656	353
21	298	211	169	183	169	358	1,850	2,860	1,280	642	685	344
22	285	208	171	185	164	383	2,150	2,690	1,170	600	607	348
23	285	218	169	180	167	362	2,280	2,800	1,170	523	523	344
24	285	215	175	183	180	325	2,030	2,690	1,220	475	464	329
25	276	218	171	180	154	320	2,110	3,010	1,170	436	430	325
26	268	218	164	180	154	302	2,080	3,060	1,030	447	398	311
27	272	211	169	180	160	285	2,010	2,840	942	441	362	325
28	272	201	178	180	178	294	1,980	2,480	902	469	348	344
29	268	196	160	180	191	294	2,110	2,630	870	453	353	334
30	268	196	188	173	-	298	1,740	3,020	870	590	548	325
31	251	-	180	164	-	320	-	2,960	-	550	768	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,071	517	251	325	19,980
November	6,798	251	196	227	13,480
December	5,505	208	154	178	10,920
Calendar year 1935	293,725	5,770	130	805	582,600
January	5,420	191	152	175	10,750
February	4,828	191	154	166	9,580
March	9,644	383	211	311	19,130
April	39,939	2,280	302	1,331	79,220
May	80,660	3,680	1,380	2,602	160,000
June	46,744	2,440	870	1,558	92,720
July	19,742	1,190	436	637	39,160
August	20,964	1,390	348	676	41,580
September	13,022	902	311	434	25,830
Water year 1935-36	263,337	3,680	152	720	522,400

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 1936.

Extremes.- Maximum discharge during year, 6,650 second-feet Aug. 30 (gage height, 6.58 feet); minimum daily discharge (computed), 150 second-feet Jan. 19, 20.
1933-36: Maximum discharge, 9,540 second-feet June 16, 1935 (gage height, 7.62 feet); minimum daily discharge (estimated), 90 second-feet Jan. 21, 1935.

Remarks.- Records good except those for periods of ice effect, Dec. 16 to Feb. 1, Feb. 4-10, and those for Nov. 21-30, July 25 to Aug. 4, which were computed on basis of records for Animas River at Farmington, San Juan River at Rosa, and Los Pinos River at Ignacio, Colo., and weather records and are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	697	320	216	180	210	459	575	1,920	3,120	839	300	884
2	642	320	216	170	216	605	508	2,350	2,430	762	500	788
3	590	326	216	190	216	779	480	3,120	1,860	681	600	960
4	575	326	220	180	170	804	487	3,790	1,540	642	800	1,140
5	530	314	229	180	160	875	480	4,400	1,360	590	1,120	940
6	501	298	234	170	170	697	473	4,820	1,420	552	1,560	822
7	466	287	224	180	190	658	432	3,590	1,670	508	1,790	713
8	445	292	212	180	190	635	494	2,430	2,190	466	1,580	642
9	426	287	216	190	190	658	737	1,850	2,510	438	1,330	582
10	406	287	204	200	210	635	804	1,580	2,600	590	1,030	530
11	393	287	204	210	220	508	1,070	1,740	2,600	813	857	530
12	386	282	204	200	224	452	1,430	2,350	2,600	1,360	804	515
13	374	270	208	180	212	508	1,860	3,030	2,430	950	804	473
14	368	270	204	200	208	575	2,120	3,030	2,240	737	920	466
15	356	265	196	220	196	590	2,070	3,120	1,900	681	788	438
16	344	265	190	210	188	560	2,080	3,210	1,900	658	697	393
17	332	265	190	200	196	538	2,430	3,500	1,850	628	642	380
18	332	265	190	170	188	545	2,600	3,400	1,750	628	612	374
19	338	282	200	150	180	552	2,350	3,400	1,740	697	575	400
20	406	276	200	150	184	545	2,350	3,690	1,530	729	713	406
21	368	270	190	160	196	552	2,350	3,690	1,380	650	857	406
22	344	280	180	170	208	575	2,680	3,400	1,270	590	745	406
23	350	280	190	180	212	590	2,760	3,500	1,220	508	628	386
24	380	290	190	190	320	552	2,510	3,400	1,270	426	545	356
25	362	290	200	200	247	508	2,510	3,690	1,270	350	480	350
26	356	300	190	210	188	459	2,510	3,890	1,130	300	432	326
27	368	280	180	220	200	432	2,430	3,590	1,010	400	400	350
28	362	220	170	213	256	419	2,430	3,120	950	300	368	380
29	350	210	160	210	350	432	2,510	3,120	902	250	545	350
30	356	210	180	200	-	432	2,160	3,690	911	300	2,780	326
31	338	-	190	200	-	473	-	3,690	-	250	1,140	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,841	697	332	414	25,470
November	8,394	326	210	280	16,650
December	6,193	234	160	200	12,280
Calendar year 1935	391,880	8,160	90	1,074	777,400
January	5,863	220	150	189	11,630
February	6,095	350	160	210	12,090
March	17,602	875	419	568	34,913
April	50,680	2,760	432	1,689	100,500
May	99,100	4,820	1,580	3,197	196,600
June	52,553	3,120	902	1,752	104,200
July	18,273	1,360	250	589	36,240
August	26,940	2,780	300	869	53,430
September	16,012	1,140	326	534	31,760
Water year 1935-36	320,546	4,820	150	876	635,800

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 1936 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, 8,180 second-feet Aug. 30 (gage height, 6.67 feet); minimum daily discharge, 133 second-feet July 30.
1930-36: Maximum discharge, 9,350 second-feet June 16, 1935 (gage height, 6.91 feet); minimum daily discharge observed, 10 second-feet Aug. 30, 31, 1931.

Remarks.- Records fair except those for periods of ice effect, Dec. 28, 29, 31, Jan. 1-4, 8, 20-24, Feb. 7, 8, and those for Oct. 4-18, which were computed on basis of records for Animas River near Cedar Hill and San Juan River near Blanco and at Farmington, and weather records and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	690	321	231	220	210	395	484	1,660	3,000	571	142	1,070
2	627	308	238	200	220	508	430	1,770	2,290	508	210	696
3	578	312	234	210	242	648	400	2,500	1,770	415	245	912
4	540	312	238	210	196	718	448	3,360	1,390	370	587	1,120
5	520	294	253	220	182	768	442	4,310	1,210	345	1,020	1,070
6	490	281	245	220	182	718	430	5,310	1,100	298	1,250	872
7	450	273	238	231	190	641	375	4,430	1,310	265	1,500	746
8	430	281	242	242	190	655	375	2,580	1,770	245	1,300	641
9	410	277	234	245	196	613	466	2,020	2,150	224	1,150	571
10	390	281	231	242	196	662	646	1,600	2,290	200	896	526
11	380	290	228	245	206	592	784	1,550	2,290	478	676	478
12	370	294	224	245	253	508	1,130	2,020	2,220	1,450	613	478
13	370	273	224	245	265	520	1,550	2,740	2,150	1,230	538	448
14	360	273	231	249	257	557	1,890	2,910	1,960	760	613	420
15	350	277	224	238	257	571	1,960	2,910	1,720	557	571	395
16	330	269	217	238	242	550	1,830	3,000	1,600	484	508	365
17	330	269	203	234	238	532	2,020	3,170	1,550	385	415	330
18	320	265	210	220	231	538	2,220	3,170	1,450	360	436	312
19	316	294	238	203	220	508	2,150	3,080	1,380	360	390	335
20	380	277	206	190	200	472	2,020	3,170	1,280	466	496	365
21	390	261	217	200	196	460	2,080	3,360	1,130	484	676	360
22	360	257	217	200	224	490	2,220	3,000	1,000	345	655	448
23	335	261	231	210	238	550	2,430	2,910	920	294	538	355
24	390	269	231	210	245	466	2,360	3,000	928	228	425	335
25	370	277	242	220	355	436	2,150	3,080	1,010	163	370	330
26	365	285	245	228	257	415	2,220	3,360	888	145	326	321
27	355	265	238	238	220	380	2,150	3,260	725	217	277	321
28	365	249	210	228	228	355	2,020	2,740	669	175	242	360
29	355	234	200	228	265	385	2,080	2,580	613	145	425	350
30	345	231	228	217	-	395	1,960	3,080	578	133	3,310	316
31	335	-	240	203	-	410	-	3,360	-	151	1,550	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,596	690	316	406	24,980
November	8,330	321	231	278	16,520
December	7,088	253	200	229	14,060
Calendar year 1935	356,466	8,010	100	977	707,000
January	6,929	249	190	224	13,740
February	6,601	355	182	228	13,090
March	16,416	768	355	530	32,560
April	43,722	2,430	375	1,457	86,720
May	90,990	5,310	1,550	2,935	180,500
June	44,341	3,000	578	1,478	87,950
July	12,451	1,450	133	402	24,700
August	22,350	3,310	142	721	44,330
September	15,846	1,120	312	528	31,430
Water year 1935-36	287,660	5,310	133	786	570,600

Cement Creek near Silverton, Colo.

Location.- Water-stage recorder, lat. 37°51'20", long. 107°40'35", in sec. 31, T. 42 N., R. 7 W., at Yukon mine, 3 miles northwest of Silverton.

Drainage area.- 13.5 square miles.

Records available.- May to September 1936.

Extremes.- Maximum discharge during period, 547 second-feet, determined by slope-area method, July 18 (gage height, 4.45 feet); minimum, 8.0 second-feet Sept. 28.
Greatest known flood occurred Oct. 5, 1911 (discharge not determined).

Remarks.- Records good except those estimated for May 1 and July 19-22, which are fair. No diversions above station that are not returned to creek.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								200	100	28	19	17
2								215	73	25	33	17
3								210	55	25	29	33
4								184	49	25	32	23
5								215	54	24	42	20
6								115	70	22	50	19
7								80	97	22	44	17
8								36	106	23	28	16
9								23	113	22	22	16
10								21	113	24	24	18
11								44	110	46	25	16
12								96	122	34	21	15
13								68	110	25	28	15
14								96	91	23	24	12
15								89	82	26	23	12
16								96	87	26	22	12
17								111	89	24	19	12
18								126	91	113	30	12
19								107	82	40	35	11
20								119	73	38	27	10
21								111	59	36	28	9.8
22								111	52	34	30	10
23								100	51	32	26	10
24								138	54	28	23	9.8
25								162	50	32	16	9.2
26								170	44	27	16	9.8
27								152	44	25	15	9.2
28								137	43	27	17	8.0
29								162	41	27	18	10
30								162	35	18	23	11
31								137	-	14	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	3,793	215	21	122	7,520
June	2,240	122	35	74.7	4,440
July	935	113	14	30.2	1,850
August	807	50	15	26.0	1,600
September	419.8	33	8.0	14.0	833
The period					16,240

Mineral Creek near Silverton, Colo.

Location.- Water-stage recorder, lat. 37°48'50", long. 107°41'45", in sec. 15, T. 41 N., R. 8 W., 300 feet above mouth of Bear Creek and 2 miles west of Silverton.

Drainage area.- 45.9 square miles.

Records available.- May to September 1936.

Extremes.- Maximum discharge during period, 711 second-feet May 29 (gage height, 3.27 feet); minimum, 31 second-feet Sept. 30 (gage height, 1.53 feet).

Remarks.- Records excellent. No diversions above station.

Rating table, 1936 (gage height, in feet, and discharge, in second-feet)

1.5	28
1.6	38
1.8	63
2.0	93
2.2	134
2.4	190
2.6	278
2.8	392
3.0	522

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	289	114	82	70
2								-	218	104	108	67
3								-	168	99	127	114
4								-	148	91	125	101
5								-	151	90	180	85
6								-	194	95	278	76
7								-	278	91	206	69
8								-	362	90	164	63
9								-	411	91	130	59
10								-	424	108	119	66
11								-	430	268	106	70
12								-	430	156	95	64
13								-	398	121	144	58
14								-	350	108	116	55
15								-	327	104	101	50
16								-	332	104	95	49
17								-	327	114	95	48
18								-	316	130	91	49
19								-	294	153	91	49
20								-	259	132	95	46
21								-	230	112	90	44
22								-	218	97	79	43
23								-	214	88	71	42
24								-	230	83	64	42
25								-	198	95	59	39
26								489	177	93	55	40
27								380	168	88	51	42
28								356	158	88	53	39
29								489	156	88	60	34
30								463	139	87	77	33
31								380	-	80	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May 26-31	2,537	489	356	423	5,030
June	7,994	430	139	266	15,860
July	3,362	268	80	108	6,670
August	3,281	278	51	106	6,510
September	1,706	114	33	56.9	3,380
The period					37,450

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 1936 in reports of U. S. Geological Survey; October 1928 to September 1936 in reports of State engineer. January 1915 to September 1926 on file in office of State engineer.

Average discharge.- 21 years, 52.6 second-feet.

Remarks.- Complete records furnished by Western Colorado Power Co. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	9.3	6.1	4.2	4.2	4.2	4.2	94	174	39	20	36
2	26	9.3	5.1	4.2	4.2	4.2	4.2	172	120	33	23	39
3	26	8.2	5.1	4.2	4.2	4.2	5.1	230	114	31	42	112
4	24	8.2	5.1	4.2	4.2	4.2	5.1	185	99	31	36	43
5	22	8.2	5.1	4.2	4.2	4.2	4.2	215	114	31	73	42
6	20	8.2	5.1	4.2	4.2	4.2	4.2	153	125	31	119	39
7	18	7.1	5.1	4.2	4.2	4.2	5.1	126	153	28	128	33
8	18	7.1	5.1	4.2	4.2	4.2	5.1	105	190	26	88	33
9	15	7.1	5.1	4.2	4.2	4.2	5.1	85	209	26	56	31
10	15	7.1	5.1	4.2	4.2	4.2	6.7	101	181	26	66	31
11	14	7.1	5.1	4.2	4.2	4.2	10	142	184	144	61	28
12	12	7.1	5.1	4.2	4.2	4.2	17	181	176	86	89	28
13	11	7.1	5.1	4.2	4.2	4.2	26	200	137	50	86	26
14	11	7.1	5.1	4.2	4.2	4.2	31	191	132	47	48	24
15	11	7.1	5.1	4.2	4.2	4.2	38	168	115	42	47	22
16	11	7.1	5.1	4.2	4.2	4.2	65	180	96	42	50	20
17	10	6.1	5.1	4.2	4.2	4.2	68	191	110	39	44	20
18	9.0	6.1	5.1	4.2	4.2	4.2	57	195	105	48	44	20
19	17	6.1	5.1	4.2	4.2	4.2	34	214	107	42	44	18
20	16	6.1	5.1	4.2	4.2	4.2	29	241	83	39	53	18
21	16	6.1	5.1	4.2	4.2	4.2	24	246	77	31	42	17
22	14	6.1	5.1	4.2	4.2	4.2	48	270	72	26	42	17
23	12	6.1	5.1	4.2	4.2	4.2	66	259	71	24	31	15
24	12	6.1	5.1	4.2	4.2	4.2	63	268	83	20	26	15
25	12	6.1	5.1	4.2	4.2	4.2	66	257	69	20	25	14
26	12	6.1	4.2	4.2	4.2	4.2	82	240	60	20	23	15
27	10	6.1	4.2	4.2	4.2	4.2	95	177	60	20	21	17
28	14	6.1	4.2	4.2	4.2	4.2	97	175	56	20	27	17
29	14	6.1	4.2	4.2	4.2	4.2	96	227	47	18	31	17
30	12	6.1	4.2	4.2	-	5.1	80	233	47	18	53	15
31	9.3	-	4.2	4.2	-	4.2	-	234	-	20	44	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	471.3	28	9.0	15.2	935
November	207.8	9.3	6.1	6.93	412
December	153.7	6.1	4.2	4.96	305
Calendar year 1935	17,457.2	543	4.2	47.8	34,640
January	130.2	4.2	4.2	4.20	258
February	121.8	4.2	4.2	4.20	242
March	131.1	5.1	4.2	4.23	260
April	1,141.0	97	4.2	38.0	2,260
May	5,955	270	85	192	11,810
June	3,366	209	47	112	6,680
July	1,118	144	18	36.1	2,220
August	1,582	128	20	51.0	3,140
September	821	112	14	27.4	1,630
Water year 1935-36	15,198.9	270	4.2	41.5	30,150

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 1936 in reports of U. S. Geological Survey; June 1927 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 450 second-feet Apr. 12 (gage height, 2.10 feet); minimum daily discharge, 1.1 second-feet July 21.
1927-36: Maximum discharge, 655 second-feet Apr. 4, 1929 (gage height, 2.71 feet); minimum daily discharge, 1 second-foot at times during 1930-31, 1933-35.

Remarks.- Records good except those for period of ice effect, Dec. 3 to Feb. 27, which are poor and were computed on basis of one discharge measurement and weather records, and those estimated for Oct. 24-28, Aug. 24, Sept. 4-9, 20, 21, which are fair. No regulation or diversions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5.6	4.1	3.9		-	5.4	46	69	22	4.7	1.4	9.6
2	5.9	4.6	3.5		-	11	54	76	19	4.4	1.9	7.8
3	5.0	4.6	-		-	22	56	83	17	4.4	2.9	19
4	5.6	4.3	-		-	35	49	93	16	3.3	5.8	16
5	4.8	4.1	-		-	40	40	93	15	3.6	14	13
6	4.6	4.6	-		-	46	35	93	14	3.3	14	10
7	3.9	4.6	-		-	43	50	81	11	3.3	10	9.0
8	3.9	4.6	-		-	46	80	60	11	2.2	10	7.0
9	3.7	4.6	-		-	54	105	47	11	2.2	7.9	6.0
10	3.7	4.6	-		-	54	147	40	11	2.2	7.1	5.6
11	3.5	4.1	-		-	40	273	37	11	4.4	6.6	5.6
12	3.5	4.1	-		-	40	350	40	10	2.9	7.1	5.6
13	3.5	4.6	-		-	46	191	40	9.6	2.2	6.6	5.6
14	3.5	4.6	-		-	46	191	43	9.2	1.9	5.8	5.2
15	3.5	4.1	-		-	54	146	48	9.2	1.9	5.8	5.0
16	3.5	4.1	-		-	54	125	55	8.7	1.7	5.8	4.8
17	3.5	3.9	-		-	54	125	51	8.3	1.6	5.8	4.6
18	3.5	3.9	-		-	46	125	48	7.9	1.4	5.8	4.8
19	4.6	4.1	-		-	46	109	48	7.5	1.4	8.3	4.8
20	4.6	4.6	-		-	43	109	45	7.5	1.4	9.2	5.0
21	3.5	4.6	-		-	46	109	41	7.5	1.1	6.6	5.0
22	3.5	4.1	-		-	46	119	38	7.5	1.2	5.8	5.6
23	3.9	4.1	-		-	40	109	37	7.5	1.4	5.1	6.6
24	4.0	3.9	*4.0		-	30	93	35	7.5	1.4	5.0	5.9
25	4.0	3.5	-		-	26	103	34	7.5	1.4	4.7	5.6
26	4.2	4.6	-		-	26	93	34	8.3	1.4	2.9	6.2
27	4.3	4.1	-		-	22	88	34	7.9	1.4	1.7	7.8
28	4.4	4.1	-		3.7	30	93	33	7.9	1.4	1.9	7.2
29	4.6	4.1	-		3.7	40	93	29	7.1	1.2	5.8	5.6
30	4.6	4.1	-		-	46	74	26	6.6	1.4	70	5.6
31	4.1	-	-		-	54	-	27	-	1.4	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	129.0	5.9	3.5	4.16	256
November	128.0	4.6	3.5	4.27	254
December	93	-	-	3	184
Calendar year 1935	11,673.0	256	-	32	23,160
January	62	-	-	2	123
February	87	-	-	3	173
March	1,231.4	54	5.4	39.7	2,440
April	3,380	350	35	113	6,700
May	1,558	93	26	50.3	3,090
June	311.2	22	6.6	10.4	617
July	69.1	4.7	1.1	2.23	137
August	267.3	70	1.4	8.62	530
September	215.1	19	4.6	7.17	427
Water year 1935-36	7,531.1	350	1.1	20.6	14,930

*Discharge measurement.

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; all records comparable. Zero of gage is 7,303.58 feet above mean sea level (general adjustment of 1929).

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 1936 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 1936 in reports of State engineer.

Average discharge.- 18 years (1910-12, 1917-24, 1927-36), 129 second-feet.

Extremes.- Maximum discharge during year, 728 second-feet May 5 (gage height, 2.98 feet); minimum, probably less than 6 second-feet during period of ice effect.
1899, 1901-3, 1910-24, 1927-36: Maximum discharge observed, 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.
Greatest known flood occurred Oct. 5, 1911 (discharge not determined).

Remarks.- Records good except those for period of ice effect, Dec. 1 to Mar. 10, which are fair and were computed on basis of three discharge measurements and weather records, and those for Apr. 12-15, July 9-12, which are fair and were computed on basis of records for Animas River at Durango. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	117	23				6	38	325	388	62	44	135
2	103	29				7	34	426	309	56	73	110
3	86	27				9	43	554	292	52	125	161
4	76	21				12	40	666	271	50	153	173
5	67	21				16	37	681	255	44	234	135
6	59	28				20	34	589	244	39	252	108
7	56	19				24	46	466	263	39	201	92
8	49	19				27	77	346	313	39	188	78
9	46	20				27	92	321	309	42	155	71
10	45	17				32	105	317	296	55	117	67
11	43	16				35	140	346	276	122	101	69
12	43	16				34	160	453	241	122	92	70
13	39	16				38	185	466	220	86	96	63
14	35	14				43	205	409	194	69	84	66
15	37	17				46	220	414	173	62	74	57
16	37	19				46	220	440	164	58	67	51
17	33	14				47	241	484	150	55	63	51
18	29	14				50	255	462	135	52	71	51
19	32	17				51	248	501	121	47	77	55
20	39	26				51	276	510	105	41	173	50
21	35	20				52	276	506	99	39	123	45
22	32	19				55	284	488	92	44	96	49
23	32	14				46	271	519	84	35	83	50
24	31	10				38	241	528	96	29	71	45
25	29	12				38	252	479	89	26	66	41
26	33	13	*8.3			34	284	462	78	27	59	40
27	34	11				35	296	414	73	33	55	41
28	31	22				34	317	359	67	35	51	41
29	34	15		*6.0		28	334	401	63	43	57	43
30	33	15				31	317	453	66	46	217	49
31	25	-				37	-	492	-	44	188	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,420	117	25	45.8	2,820
November	544	29	10	18.1	1,080
December	310	-	-	10	615
Calendar year 1935	51,230	1,120	5	140	101,600
January	217	-	-	7	430
February	208.8	-	-	7.2	414
March	1,049	55	6	33.8	2,080
April	5,568	334	34	186	11,040
May	14,277	681	317	461	28,320
June	5,526	388	63	184	10,960
July	1,593	122	26	51.4	3,160
August	3,506	252	44	113	6,950
September	2,157	173	40	71.9	4,280
Water year 1935-36	36,375.8	681	-	99.4	72,150

*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 1936 in reports of U. S. Geological Survey; June to August 1904, April to August 1906, August to December 1910, May 1917 to September 1936 in reports of State engineer.

Average discharge.- 19 years (1917-36), 47.9 second-feet.

Extremes.- Maximum discharge during year, 402 second-feet May 5 (gage height, 2.25 feet); minimum observed, 4.4 second-feet Dec. 24 (discharge measurement); discharge probably less sometime during winter.
1904, 1906, 1910, 1917-36: 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 of ice effect, Nov. 7 to Mar. 9, which are fair and were computed on basis of three discharge measurements and weather records. One diversion for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	5.4				7	33	223	94	19	22	55
2	15	5.4				7	43	256	71	18	28	46
3	16	5.4				8	39	245	43	19	65	48
4	16	5.0				8	34	223	36	21	65	46
5	15	5.0				9	36	315	36	19	71	43
6	15	7.4				9	43	270	46	18	60	39
7	15	7.0				10	37	220	58	17	53	32
8	15	7.0				10	52	116	65	17	43	28
9	15	7.0				11	64	104	60	17	34	23
10	15	7.0				12	80	100	58	17	27	22
11	15	5.4				16	91	130	58	30	23	19
12	14	5.8				16	152	173	58	25	23	18
13	12	5.8				18	256	188	71	17	22	17
14	12	5.7				20	298	177	82	11	19	16
15	10	5.7				20	250	196	80	11	16	13
16	9.0					23	252	229	77	9.6	17	13
17	9.0					27	254	196	71	9.6	25	12
18	9.0			*4.5		31	230	212	65	12	28	12
19	9.0					41	223	216	60	15	23	13
20	9.5					45	227	192	58	16	43	12
21	9.0					50	241	184	55	15	48	9.6
22	8.2	5				48	241	180	48	15	46	13
23	7.4					43	232	180	46	13	39	15
24	7.0		*4.4			46	223	165	23	13	36	11
25	6.6					43	223	173	18	12	30	10
26	6.6					46	230	161	18	12	25	9.6
27	7.4				*6.8	41	230	136	23	15	19	10
28	9.0					39	230	133	28	16	18	11
29	8.2					37	245	120	28	19	28	10
30	6.6				-	40	217	133	22	28	94	9.6
31	5.8	-			-	35	-	130	-	22	82	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	341.3	16	5.8	11.0	677
November	165.0	-	-	5.5	327
December	136.4	-	-	4.4	271
Calendar year 1935	20,121.7	423	-	55.1	39,910
January	139.5	-	-	4.5	277
February	174	-	-	6.0	345
March	816	50	7	26.3	1,620
April	5,006	298	33	167	9,930
May	5,676	315	100	183	11,260
June	1,556	94	18	51.9	3,090
July	518.2	30	9.6	16.7	1,030
August	1,172	94	16	37.8	2,320
September	635.8	55	9.6	21.2	1,260
Water year 1935-36	16,336.2	315	-	44.6	32,410

*Discharge measurement.

La Plata River at Colorado-New Mexico State line

Location.- Water-stage recorder, lat. 37°0', 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. Mex. Zero of gage is 5,975.15 feet above mean sea level (general adjustment of 1929).

Drainage area.- 331 square miles.

Records available.- October 1933 to September 1936 in reports of U. S. Geological Survey; February 1920 to September 1936 in reports of Colorado State engineer.

Average discharge.- 16 years, 35.3 second-feet.

Extremes.- Maximum discharge during year, 2,240 second-feet Aug. 30 (gage height, 6.60 feet); no flow June 6-13, June 27 to July 3.
1920-36: Maximum discharge, 4,750 second-feet Aug. 24, 1927 (gage height, 10.9 feet, present datum); no flow at times during 1922, 1924, 1928, 1930, 1933-36.

Remarks.- Records good except those for period of ice effect, Dec. 15 to Feb. 7, which were computed on basis of two discharge measurements and weather records and are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.3	12	11	-	8.0	92	52	50	53	0	3.1	39
2	5.2	12	9.9	-	8.0	106	47	40	53	0	101	51
3	6.3	12	9.9	-	10	108	61	83	27	0	27	60
4	6.9	12	10	-	10	99	59	125	3.0	3.6	27	18
5	7.5	11	13	-	12	86	50	152	2.8	3.6	25	12
6	7.5	10	14	-	12	122	44	154	0	3.6	76	12
7	6.9	10	14	-	12	153	43	104	0	3.6	39	10
8	8.1	10	9.9	-	12	167	60	56	0	3.2	20	9.6
9	7.5	11	10	-	12	173	.90	32	0	1.9	17	8.8
10	7.5	12	10	-	11	145	107	21	0	1.7	16	8.4
11	7.2	12	11	-	9.9	106	131	19	0	3.6	10	9.6
12	9.0	11	13	-	12	79	195	13	0	2.8	6.8	8.8
13	9.3	12	12	-	13	89	299	8.4	0	2.2	6.0	8.4
14	9.3	12	13	-	13	82	345	7.2	36	2.2	4.0	8.0
15	9.9	12	12	-	12	73	392	24	56	2.2	5.2	8.8
16	9.9	12	8	-	11	56	272	66	56	2.2	4.0	8.0
17	10	13	7	-	12	50	262	100	50	1.8	2.4	6.0
18	10	15	6	*2.1	12	42	209	94	45	2.4	4.6	6.4
19	11	13	6	-	12	42	193	82	42	2.4	14	8.4
20	14	12	6	-	12	43	169	66	39	2.4	10	8.0
21	13	12	6	-	11	42	154	64	36	2.0	6.8	10
22	12	12	6	-	13	44	167	55	33	2.0	5.0	12
23	14	11	5.3	-	14	43	144	62	29	1.2	3.4	14
24	16	10	5	-	20	31	126	61	18	.2	3.8	12
25	15	10	5	-	16	39	126	60	6.0	2.4	3.4	9.6
26	14	10	5	-	12	33	156	58	2.0	2.6	3.4	9.2
27	15	10	5	*8.0	14	37	135	58	0	2.0	3.0	12
28	16	11	5	-	30	40	113	55	0	.4	43	15
29	14	11	5	-	64	41	102	53	0	1.5	49	15
30	13	11	5	-	-	48	80	67	0	3.0	462	14
31	12	-	5	-	-	66	-	79	-	.5	50	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	323.3	16	5.2	10.4	641
November	344	15	10	11.5	682
December	263.0	14	5	8.48	522
Calendar year 1935	11,671.3	246	0	32.0	23,140
January	248	-	-	8.0	492
February	419.9	64	8.0	14.5	833
March	2,377	173	31	76.7	4,710
April	4,383	392	43	146	8,690
May	1,966.6	154	7.2	63.4	3,900
June	586.8	56	0	19.6	1,160
July	63.2	3.6	0	2.04	125
August	1,050.9	462	2.4	33.9	2,080
September	432.0	6.0	6.0	14.4	857
Water year 1935-36	12,457.7	462	0	34.0	24,690

*Discharge measurement.

SAN JUAN RIVER BASIN

La Plata River at La Plata, N. Mex.

Location.- Water-stage recorder, lat. 36°58', long. 108°11', in sec. 3, T. 31 N., R. 13 W., 1,900 feet southeast of La Plata and 15 miles above mouth.

Drainage area.- 335 square miles.

Records available.- May 1905 to July 1911, September 1912 to December 1914, October 1930 to November 1934, June to September 1936 in reports of U. S. Geological Survey; May 1905 to March 1926, August 1927 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during period of record in 1936, about 2,580 second-feet Aug. 30 (gage height, 7.07 feet); no flow Aug. 22.
1930-34, 1936: Maximum discharge, about 4,920 second-feet Aug. 26, 1934 (gage height, 3.67 feet, from high-water marks); no flow at times.

Remarks.- Records fair except those for June 1-4, Aug. 3, 4, 6-18, 29-31, Sept. 1-14, 22, which were computed on basis of gage heights and a knowledge of local conditions and are poor. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									1.0	0.5	5.1	50
2									.9	.6	55	35
3									.8	.7	30	75
4									.7	.7	30	5
5									.6	.7	36	2
6									.6	2.6	60	1
7								*18	.5	1.5	23	1
8									.5	.6	7	1
9									.4	.4	6	1
10									.3	.5	5.5	1
11									.3	.4	4.5	1
12									.2	.4	4.0	1
13									.2	.3	3.5	1
14									.6	.3	3.0	1
15									.7	.3	2.5	.7
16									1.2	.4	2.0	.7
17									.6	.4	2.0	.6
18									1.0	.3	1.5	.5
19									1.2	.3	3.6	.5
20									.6	.3	1.5	.5
21								*3.0	.7	.3	.2	11
22									.8	.3	0	15
23									.7	.2	.4	12
24									.7	.2	1.0	8.8
25									.7	.3	1.0	2.6
26									1.0	.3	1.2	1.8
27									.8	.4	1.2	2.6
28									.8	.6	80	5.3
29									.5	.5	95	5.9
30									.5	.2	540	4.1
31									-	.2	90	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June	20.1	1.2	0.2	0.67	40
July	15.7	2.6	.2	.51	31
August	1,095.7	540	0	35.3	2,170
September	248.6	75	.5	8.29	493
The period					2,730

*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 1936 in reports of U. S. Geological Survey; March 1928 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 150 second-feet Apr. 14 (gage height, 2.80 feet); no flow July 3-10, July 13 to Aug. 5, Aug. 9-28.
1928-36: Maximum discharge, 803 second-feet Aug. 26, 1934 (gage height, 4.50 feet, from floodmarks); no flow at times during 1931, 1933-36.

Remarks.- Records fair. Discharge estimated for Mar. 1-5, Sept. 9, 11-30. No records Oct. 11 to Feb. 29. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.8					10	16	31	2.2	0.2	0	9.6
2	.9					12	12	26	2.2	.2	0	4.7
3	1.0					26	24	24	2.0	0	0	5.4
4	1.2					38	22	24	1.6	0	0	4.2
5	1.7					45	17	24	1.0	0	0	2.2
6	1.8					41	12	21	.8	0	8.1	1.8
7	1.8					48	13	18	.8	0	4.2	1.6
8	2.2					54	28	17	.8	0	1.6	1.6
9	3.6					58	43	14	.8	0	0	1.5
10	3.6					63	47	11	.8	0	0	1.4
11	-					32	66	11	.6	2.0	0	1.4
12	-					24	78	9.0	.6	.8	0	1.4
13	-					36	94	8.7	.5	0	0	1.4
14	-					39	109	5.9	.5	0	0	1.4
15	-					32	113	4.4	.5	0	0	1.4
16	-					21	96	6.1	.6	0	0	1.4
17	-					20	106	6.1	1.0	0	0	1.4
18	-					18	106	6.6	.9	0	0	1.4
19	-					18	94	6.6	.8	0	0	1.4
20	-					16	91	5.4	.6	0	0	1.4
21	-					17	88	4.7	.5	0	0	1.4
22	-					17	91	4.2	.4	0	0	1.4
23	-					15	92	3.8	.4	0	0	1.4
24	-					9.0	76	3.2	.4	0	0	1.4
25	-					12	73	2.8	7.5	0	0	1.4
26	-					10	63	2.8	.6	0	0	1.4
27	-					9.6	54	2.8	.4	0	0	1.4
28	-					10	52	2.8	.4	0	0	1.4
29	-					15	48	2.8	.4	0	4.2	1.4
30	-					21	36	2.2	.2	0	13	1.4
31	-					24	-	2.2	-	0	6.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-10	18.6	3.6	0.8	1.86	37
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	810.6	63	9.0	26.1	1,610
April	1,860	113	12	62.0	3,690
May	314.1	31	2.2	10.1	623
June	30.8	7.5	.2	1.03	61
July	3.2	2.0	0	.10	6.3
August	37.7	13	0	1.22	75
September	62.0	9.6	1.4	2.07	123
Water year					

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 1936 in reports of U. S. Geological Survey; October 1931 to September 1936 in reports of State engineer.

Extremes.- Maximum discharge during year, 506 second-feet May 5 (gage height, 3.00 feet); minimum daily discharge observed, 1.8 second-feet Oct. 18; probably less during period of ice effect.
1931-36: Maximum discharge, that of May 5, 1936; minimum not determined.

Remarks.- Records fair. Discharge for periods of ice effect, Nov. 6 to Mar. 12, Mar. 23-27, 29, Apr. 4-7, computed on basis of three discharge measurements and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	21	5.4				10	31	268	162	16	12	111
2	17	6.2				15	30	315	128	12	41	79
3	12	5.8				22	32	367	90	18	136	90
4	12	4.6				26	35	379	67	22	157	67
5	11	5.8				29	40	435	61	19	145	50
6	8.2	10				30	45	383	81	17	109	37
7	6.2	7.0				34	50	274	99	16	91	25
8	5.0	4.2				37	66	195	113	16	115	20
9	4.2	4.2				44	75	162	115	15	74	17
10	3.4	6.2				50	91	145	117	18	42	18
11	3.0	8.2				48	119	150	119	50	31	29
12	2.8	12				50	169	164	115	31	28	23
13	2.8	5.8		*2.9		52	245	187	103	15	32	15
14	2.4	3.4				61	288	179	97	11	24	11
15	2.2	4.6				64	284	179	86	8.8	18	8.8
16	2.6	2.6				58	308	201	77	8.8	12	7.6
17	2.4	2.6				41	356	206	71	7.0	9.4	6.2
18	1.8	3				43	308	204	63	6.2	8.2	6.2
19	2.6	3				45	274	209	56	5.0	37	8.2
20	10	3				26	315	206	58	5.0	48	10
21	7.0	3				24	344	187	52	5.4	41	7.6
22	5.4	3				21	352	162	42	7.6	32	30
23	7.0	3				20	333	174	42	2.8	20	23
24	5.8	3				20	326	192	38	2.4	14	14
25	7.0	3				18	322	179	41	5.8	12	11
26	11	3				16	308	184	31	6.6	9.4	8.2
27	9.4	3			*3.5	14	322	184	21	9.4	6.2	11
28	6.6	3				14	319	143	23	8.2	12	18
29	6.6	3				16	319	142	25	16	71	16
30	6.2	3				19	274	169	21	30	250	17
31	4.2	-			-	25	-	190	-	11	179	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	208.8	21	1.8	6.74	414
November	137.6	12	2.6	4.59	273
December	93	-	-	3	184
Calendar year 1935	19,947.4	353	-	54.7	39,560
January	93	-	-	3	184
February	101.5	-	-	3.5	201
March	992	64	10	32.0	1,970
April	6,380	356	30	213	12,650
May	6,714	435	142	217	13,320
June	2,217	162	21	73.8	4,390
July	422.0	50	2.4	13.6	837
August	1,796.2	230	6.2	57.9	3,560
September	794.8	111	6.2	26.5	1,580
Water year 1935-36	19,946.9	435	-	54.5	39,560

*Discharge measurement.

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 1936 in reports of U. S. Geological Survey; February 1921 to September 1936 in reports of State engineer.

Average discharge.- 15 years, 55.2 second-feet.

Extremes.- Maximum discharge during year, 2,310 second-feet Sept. 3 (gage height, 4.08 feet); no flow several days during June to August.
1921-36: Maximum discharge, 4,900 second-feet Aug. 26, 1934 (gage height, 5.85 feet); no flow at times during 1922, 1924-26, 1928, 1930, 1931, 1933-36.

Remarks.- Records fair. Discharge computed for periods of ice effect, Dec. 2-4, Dec. 19 to Feb. 15, on basis of one discharge measurement and weather records, and estimated for Oct. 28, 29. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	11	8.0		8	32	86	264	57	0	0.5	96
2	11	11	8.0		8	45	74	264	49	0	.5	142
3	11	11	9.0		8	62	69	275	36	0	0	286
4	11	11	10		8	74	80	285	22	0	7.0	133
5	11	8.5	11		8	78	73	337	12	0	19	73
6	11	8.5	9.0		8	73	76	337	9.0	0	3.6	55
7	11	8.5	8.0		8	73	73	294	6.5	0	74	48
8	11	10	8.0		8	74	82	221	2.6	0	65	35
9	11	11	5.5		8	80	111	152	1.0	0	19	29
10	8.5	11	3.6		8	82	114	108	1.0	0	12	23
11	9.0	12	2.6		8	71	133	91	.7	1.0	10	35
12	8.5	10	4.5		8	60	195	82	.5	3.6	4.0	35
13	8.5	10	5.5		8	60	294	89	0	1.5	4.0	26
14	8.5	11	8.0	*7.2	8	62	405	91	0	.7	2.0	23
15	8.0	10	2.6		8	62	400	84	0	0	5.0	23
16	8.0	8.5	3.6		10	62	400	89	0	0	3.0	18
17	8.0	8.0	5.5		8.5	62	474	89	0	0	2.4	16
18	8.0	8.0	4.5		7.0	62	442	91	0	0	3.0	11
19	8.0	8.0	4		9.6	57	385	94	0	0	5.5	101
20	84	11	4		8.0	52	385	94	0	0	12	39
21	13	7.0	4		5.5	49	430	89	0	0	126	25
22	9.0	5.5	4		6.5	49	480	74	0	0	19	82
23	10	8.0	4		13	69	436	63	0	0	10	82
24	11	8.0	4		13	54	425	54	0	0	12	41
25	13	8.0	4		17	45	425	52	0	0	15	23
26	13	8.0	4		16	46	400	52	0	0	15	18
27	13	8.0	4		13	44	375	49	0	0	9.0	25
28	12	8.0	4		14	45	425	46	0	0	4.0	45
29	12	8.0	4		20	62	375	39	0	0	221	40
30	12	5.5	4		-	69	306	28	0	0	452	25
31	11	-	4		-	73	-	24	-	0	221	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	397.0	84	8.0	12.8	787
November	272.0	12	5.5	9.07	540
December	168.9	11	2.6	5.45	335
Calendar year					
January	186	-	-	6.0	369
February	281.1	20	5.5	9.69	558
March	1,888	82	32	60.9	3,740
April	8,428	480	69	281	16,720
May	4,001	337	24	129	7,940
June	197.3	57	0	6.58	391
July	6.8	3.6	0	.22	13
August	1,355.5	452	0	43.7	2,690
September	1,653	286	11	55.1	3,280
Water year 1935-36	18,834.6	480	0	51.5	37,360

*Discharge measurement.

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 1936.

Average discharge.- 13 years, 35.5 second-feet.

Extremes.- Maximum discharge during year, 8,700 second-feet July 11 (gage height, 11.95 feet); minimum, 2 second-feet May 30.
1923-36: Maximum discharge, 16,100 second-feet Oct. 5, 1925 (gage height, 17.5 feet); no flow for periods in December and January of many years.

Remarks.- Records good except those for July 19-21, July 28 to Aug. 4, which are fair. Stage-discharge relation affected by ice parts of each day Dec. 17-19, 26, 27, Jan. 19, 20, 22, 23, 25, 26; discharge computed on basis of two discharge measurements and portion of gage-height graph unaffected by ice. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	8	20	24	17	20	16	3	3	3	100	103
2	8	10	20	11	26	21	20	4	3	3	80	1,680
3	8	12	19	11	171	23	14	4	3	3	250	345
4	8	14	20	16	42	23	16	3	3	3	510	77
5	8	11	27	17	17	26	15	3	3	3	238	25
6	7	10	34	21	20	25	14	3	4	3	1,290	16
7	7	18	26	19	17	23	11	3	3	3	347	12
8	7	19	22	26	21	22	12	4	3	3	40	10
9	7	19	22	24	20	22	12	4	3	4	20	11
10	8	18	21	21	19	22	10	4	3	261	22	10
11	7	17	21	25	21	22	11	3	3	2,970	29	68
12	7	15	21	26	24	20	8	3	3	122	18	561
13	7	19	22	27	86	20	8	3	3	33	21	148
14	8	20	20	24	44	19	7	3	3	21	15	28
15	8	18	12	25	42	19	7	3	3	15	32	12
16	8	15	8	26	47	18	6	3	3	10	53	9
17	8	19	6	23	52	18	5	3	3	8	439	8
18	8	19	7	15	36	18	5	3	3	12	66	8
19	8	19	9	10	34	16	5	3	3	120	43	11
20	8	19	15	8	30	14	4	3	3	40	56	32
21	12	15	19	16	23	14	4	3	3	80	235	14
22	9	16	23	18	22	20	4	4	4	174	35	22
23	9	20	21	17	50	31	4	4	4	138	14	16
24	9	21	19	20	218	20	4	3	4	35	10	13
25	10	28	19	22	46	20	4	3	7	26	8	10
26	10	38	15	24	26	28	5	4	6	320	7	8
27	11	33	21	25	21	22	5	5	5	27	28	7
28	11	22	22	27	21	17	5	4	4	600	35	6
29	12	20	13	30	21	19	4	3	5	200	14	6
30	10	20	17	25	-	16	4	2	3	50	28	8
31	9	-	17	15	-	16	-	3	-	50	717	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	266	12	7	8.6	528
November	552	38	8	18.4	1,090
December	578	34	6	18.6	1,150
Calendar year 1935	8,712	541	2	23.9	17,280
January	638	30	8	20.6	1,270
February	1,234	218	17	42.6	2,450
March	634	31	14	20.5	1,260
April	249	20	4	8.3	494
May	103	5	2	3.3	204
June	106	7	3	3.5	210
July	5,340	2,970	3	172	10,590
August	4,800	1,290	7	155	9,520
September	3,284	1,680	6	109	6,510
Water year 1935-36	17,784	2,970	2	48.6	35,280

Little Colorado River at St. Johns, Ariz.

Location.- Water-stage recorder, lat. 34°30'30", long. 109°21'30", in sec. 27, T. 13 N., R. 28 E., at highway bridge at eastern edge of St. Johns.

Drainage area.- 938 square miles.

Records available.- April 1906 to December 1909, May 1929 to October 1933, September 1935 to September 1936.

Extremes.- Maximum discharge during period, 2,100 second-feet Sept. 2, 1936 (gage height, 4.19 feet); no flow on many days.
Maximum discharge during period Oct. 22, 1933, to Sept. 25, 1935, when station was not in operation, about 850 second-feet (gage height, 2.85 feet, from floodmarks.
1929-36: Maximum discharge, that of Sept. 2, 1936; no flow part or all of many days each year.

Remarks.- Records good except those for Aug. 21-25, Aug. 27 to Sept. 6, Sept. 13-20, computed on basis of partial gage-height record and precipitation records, and those affected by backwater Aug. 1-20, 26, which are poor. Stage-discharge relation affected by ice part of each day Jan. 2, 19-22, Feb. 4-6; discharge computed on basis of one discharge measurement and parts of gage-height graph that were unaffected by ice. Diversions for irrigation above station. Regulation by numerous storage reservoirs upstream, the largest of which is Lyman Reservoir, about 12 miles upstream (capacity, 21,900 acre-feet). Operation of St. Johns hydroelectric plant discontinued prior to Sept. 26, 1935.

Discharge, in second-feet, 1935

Sept. 26	3
27	4
28	7
29	4
30	4

Note.- Mean discharge, Sept. 26-30, 4.4 second-feet; total run-off, 44 acre-feet.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	5	7	9	2	5	3	2	2	0	10	5
2	3	5	7	8	2	5	4	3	2	0	1	110
3	3	5	7	8	2	6	4	3	2	.1	2	30
4	3	6	7	8	2	5	5	4	2	.3	6	10
5	3	5	8	8	2	5	8	5	2	.4	.6	5
6	4	6	8	9	2	4	12	4	3	.5	.4	5
7	4	6	8	9	2	.9	12	6	5	1	.2	4
8	4	6	8	9	2	.8	11	6	3	1	.1	3
9	4	6	8	9	2	.5	9	6	2	6	0	3
10	4	6	9	8	.6	0	8	6	1	14	1	95
11	4	8	9	8	.5	0	8	6	1	4	.1	24
12	4	8	8	7	.5	.1	8	5	2	3	1	51
13	4	6	8	7	1	.4	8	4	3	2	1	8
14	5	6	9	8	.8	.2	6	3	3	1	.8	3
15	5	6	8	8	.6	.4	4	3	3	1	.4	2
16	5	6	10	8	.8	.9	1	5	3	1	.3	1
17	5	6	9	8	.9	.5	2	7	3	1	.3	1
18	5	8	9	8	1	.6	2	5	3	.2	0	40
19	5	8	9	8	1	1	2	5	2	0	7	5
20	6	8	9	8	2	.2	5	4	3	.1	57	35
21	6	8	9	8	3	.5	5	3	3	.2	1	6
22	6	8	9	7	5	2	4	3	3	.2	.1	5
23	6	7	9	8	6	3	3	3	7	0	.1	4
24	5	7	8	8	6	2	3	4	5	0	0	3
25	6	8	8	5	5	2	4	3	4	0	0	3
26	6	8	8	.8	5	2	5	2	3	0	2	15
27	6	7	8	.9	5	2	4	2	7	.2	15	11
28	6	7	9	.9	4	2	4	1	3	1	30	5
29	6	7	9	2	4	1	4	1	1	2	85	5
30	6	7	9	2	-	2	2	2	0	7	78	5
31	5	-	8	2	-	5	-	2	-	2	35	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	148	6	3	4.8	294
November	200	8	5	6.7	397
December	259	10	7	8.4	514
Calendar year					
January	207.6	9	.8	6.70	412
February	70.7	6	.5	2.44	140
March	60.0	6	0	1.94	119
April	160	12	1	5.3	317
May	118	7	1	3.8	234
June	86	7	0	2.9	171
July	49.2	14	0	1.59	98
August	332.4	85	0	10.7	659
September	502	110	1	16.7	996
Water year 1935-36	2,192.9	110	0	5.99	4,350

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Little Colorado River near Woodruff, Ariz.

Location.- Water-stage recorder, lat. 34°48'0", long. 110°3'0", in sec. 7, T. 16 N., R. 22 E., 1½ miles northwest of Woodruff and 4 miles below Silver Creek.
Drainage area.- 9,060 square miles.
Records available.- March 1905 to December 1908 and December 1915 to December 1919 (fragmentary), April 1929 to December 1933, September 1935 to September 1936.
Extremes.- Maximum discharge during period, 8,300 second-feet July 25 (gage height, 11.0 feet); no flow June 20.

Maximum discharge during period Dec. 6, 1933, to Sept. 24, 1935, when station was not in operation, 3,800 second-feet (gage height, 8.2 feet, from floodmarks); date of occurrence is unknown.

1929-36: Maximum discharge, 10,700 second-feet July 21, 1929 (gage height, 12.45 feet); no flow on some days during spring or summer of each year.

A maximum discharge of 25,000 second-feet was recorded Dec. 5, 1919 (gage height, 12.0 feet, datum then in use). A maximum gage height of 12.7 feet, same datum, was recorded Jan. 19, 1916 (discharge not determined).

Remarks.- Records good except those estimated for Feb. 28 to Mar. 4, which are fair. Stage-discharge relation affected by ice part of each day Dec. 16-20, 29, Jan. 20-25; discharge computed on basis of two discharge measurements and parts of gage-height graph unaffected by ice. Diversions for irrigation above station. Some regulation by reservoirs upstream.

Discharge, in second-feet, 1935

Sept. 25	118	Sept. 28	2,030
26	61	29	169
27	631	30	74

Note.- Mean discharge, Sept. 25-30, 514 second-feet; run-off, 6,120 acre-feet.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	47	11	20	26	40	30	116	3	0.8	6	91	137
2	40	11	20	14	36	20	76	3	.5	3	66	339
3	34	13	20	22	31	15	40	3	.4	2	78	248
4	31	12	19	22	31	15	28	3	.5	1	337	119
5	29	13	19	34	47	14	25	4	.5	1	756	42
6	29	11	22	36	43	13	26	3	.4	1	380	31
7	28	13	29	29	34	13	25	2	2	.7	473	29
8	26	14	23	26	26	13	41	1	.6	.8	139	29
9	25	13	28	26	23	12	29	3	.5	1	141	25
10	25	12	26	25	20	11	25	2	.4	917	736	430
11	22	13	25	23	20	13	17	2	.3	189	90	589
12	17	19	23	22	25	13	13	2	.2	28	79	204
13	17	19	23	19	23	9	13	224	.2	9	392	299
14	19	16	20	16	23	9	14	137	.7	6	133	222
15	14	14	13	23	23	6	14	33	.4	4	170	122
16	13	13	12	22	25	4	12	13	.2	8	112	122
17	13	11	12	16	29	5	8	5	.2	5	76	90
18	14	13	14	12	52	6	9	2	.2	3	51	201
19	14	13	12	10	81	13	7	1	.1	3	408	168
20	14	12	20	12	77	13	6	.7	0	2	139	63
21	14	12	28	17	74	13	6	.5	.2	2	266	264
22	14	14	26	13	56	13	4	.5	1	3	218	491
23	13	14	26	15	47	17	4	.5	.8	2	60	192
24	14	14	23	20	81	27	4	.5	1	2	38	116
25	16	20	23	23	170	36	3	.5	1	1,780	22	69
26	16	26	26	31	142	31	3	.7	.9	723	11	48
27	13	43	29	28	63	46	3	1	.9	38	23	55
28	16	29	28	24	45	40	3	.9	7	12	16	42
29	16	20	22	31	35	73	3	.8	19	192	80	36
30	12	19	26	56	-	104	3	.7	16	197	596	29
31	11	-	29	63	-	68	-	.7	-	185	414	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	626	47	11	20.2	1,240
November	477	43	11	15.9	946
December	686	29	12	22.1	1,360
Calendar year					
January	752	63	10	24.3	1,490
February	1,422	170	20	49.0	2,820
March	715	104	4	23.1	1,420
April	580	116	3	19.3	1,150
May	454.0	224	.5	14.6	900
June	56.9	19	0	1.90	113
July	4,326.5	1,780	.7	140	8,580
August	6,591	756	11	213	13,070
September	4,851	589	25	162	9,620
Water year 1935-36	21,537.4	1,780	0	58.8	42,710

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 1936.

Average discharge.- 11 years, 323 second-feet.

Extremes.- Maximum discharge during year, 5,430 second-feet Aug. 6 (gage height, 12.37 feet); no flow on many days.
1925-36: 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 for Mar. 27-31, Apr. 19-24, and Sept. 26-30, which are fair and were computed from partial gage-height record. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	295	0	23	9	45	136	549	96		0	85	1,680
2	187	0	31	7	50	86	792	83		0	179	1,770
3	111	0	29	6	44	74	767	66		0	577	2,000
4	75	0	22	10	55	83	686	53		0	1,840	1,220
5	48	0	20	16	45	125	609	34		0	1,420	765
6	35	0	20	13	32	140	647	17		0	3,150	386
7	28	0	21	22	24	196	686	14		0	1,710	220
8	23	0	24	30	25	283	448	7		0	2,470	114
9	19	0	18	24	32	298	320	2		0	780	93
10	16	0	11	23	29	218	280	1		0	472	88
11	11	0	6	17	34	195	700	0		53	1,080	83
12	8	0	4	20	30	352	1,430	0		6	350	1,250
13	6	0	20	14	25	458	1,940	0		125	296	893
14	3	0	17	8	19	467	2,020	0		50	337	980
15	2	0	17	10	16	426	1,990	0		16	640	521
16	0	0	11	8	12	496	1,870	0		2	175	280
17	0	0	6	5	10	572	1,590	0		0	330	165
18	0	0	5	2	8	603	1,400	0		0	281	154
19	0	0	2	0	11	567	1,300	5		0	593	138
20	0	0	5	0	11	467	1,100	1		0	878	738
21	0	0	7	0	12	430	850	0		0	829	861
22	0	0	6	0	15	556	600	0		0	1,650	860
23	0	0	8	0	83	511	500	0		0	1,060	1,140
24	0	0	14	0	100	636	400	0		0	350	606
25	0	0	15	0	74	714	356	0		0	200	398
26	0	2	12	0	307	755	302	0		0	100	180
27	0	8	6	0	434	500	243	0		970	75	120
28	0	7	8	13	265	320	187	0		342	50	100
29	0	17	6	20	190	280	150	0		205	27	80
30	0	16	8	19	-	250	118	0		102	145	70
31	0	-	15	22	-	240	-	0		62	875	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	867	295	0	28.0	1,720
November	50	17	0	1.7	99
December	417	31	.2	13.5	827
Calendar year 1935	109,881	4,530	0	301	217,900
January	318	30	0	10.3	631
February	2,037	434	8	70.2	4,040
March	11,434	755	74	369	22,680
April	24,830	2,020	118	828	49,250
May	379	96	0	12.2	752
June	0	0	0	0	0
July	1,933	970	0	62.4	3,830
August	23,004	3,150	27	742	45,630
September	17,953	2,000	70	598	35,610
Water year 1935-36	83,222	3,150	0	227	165,100

Silver Creek near Woodruff, Ariz.

Location.- Water-stage recorder, lat. 34°44'0", long. 110°1'45", in sec. 32, T. 16 N., R. 22 E., half a mile above mouth and 3 miles south of Woodruff. Control for station is crest of dam 1,700 feet downstream.

Drainage area.- 942 square miles.

Records available.- April 1929 to October 1933, October 1935 to September 1936.

Extremes.- Maximum discharge during year, 4,300 second-feet July 25 (gage height, 7.60 feet); no flow on several days in June and July.
Maximum discharge during period Oct. 25, 1933, to Sept. 30, 1935, when station was not in operation, about 2,800 second-feet (gage height, 6.2 feet, from floodmarks).
1929-36: Maximum discharge, 12,100 second-feet July 21, 1929 (gage height, 11.67 feet); no flow on several days in spring and summer of each year.

Remarks.- Records good. Stage-discharge relation affected by ice part of each day Jan. 20-22; discharge computed on basis of one discharge measurement and parts of gage-height graph unaffected by ice. Discharge for June 9-11 interpolated. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	32	12	12	13	18	20	126	1	0.1	2	58	11
2	27	11	12	11	15	14	66	1	.1	1	51	33
3	26	13	12	15	17	11	32	1	1	2	53	21
4	23	13	9	13	22	11	19	5	2	.1	216	7
5	20	12	7	15	38	9	19	6	1	.1	201	.1
6	20	11	7	15	27	9	20	2	2	0	205	3
7	19	13	7	17	20	9	19	2	2	0	185	4
8	19	13	9	15	15	9	39	2	.1	.1	26	4
9	19	9	17	14	14	9	25	2	.1	1	21	5
10	19	9	17	13	12	8	19	1	.1	146	85	196
11	18	11	15	12	12	9	14	2	.1	27	29	156
12	17	14	14	12	17	7	11	2	.1	11	19	17
13	14	13	14	11	15	6	13	1	1	6	141	12
14	14	12	12	11	15	6	14	1	.5	5	68	11
15	13	12	9	12	14	4	14	.5	0	2	25	6
16	13	9	9	9	19	3	11	1	.1	2	30	6
17	13	7	9	11	22	3	7	1	.1	1	20	6
18	13	9	12	7	51	8	9	.5	0	.1	18	36
19	13	9	13	6	75	13	5	1	0	.1	19	47
20	14	8	15	7	71	13	7	1	0	.1	20	11
21	15	9	15	9	65	11	5	.5	2	1	33	14
22	15	9	14	11	51	11	4	1	2	1	22	44
23	15	9	17	11	47	14	5	1	1	1	13	17
24	15	9	16	13	82	11	2	1	2	1	11	12
25	17	11	14	12	170	12	2	1	1	983	7	9
26	17	12	14	13	136	12	1	2	2	166	5	9
27	14	12	17	12	47	12	1	3	1	20	5	27
28	14	11	17	13	23	9	1	2	18	9	3	13
29	13	9	14	14	19	76	1	1	19	7	12	11
30	9	11	17	18	-	101	1	.1	5	243	7	9
31	9	-	15	18	-	57	-	.5	-	121	6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	519	32	9	16.7	1,030
November	322	14	7	10.7	639
December	401	17	7	12.9	795
Calendar year					
January	383	18	6	12.4	760
February	1,149	170	12	39.6	2,280
March	507	101	3	16.4	1,010
April	512	126	1	17.1	1,020
May	47.1	6	.1	1.52	93
June	63.4	19	0	2.11	126
July	1,759.6	983	0	56.8	3,490
August	1,614	216	3	52.1	3,200
September	757.1	196	.1	25.2	1,500
Water year 1935-36	8,034.2	983	0	22.0	15,940

Chevelon Fork near Winslow, Ariz.

Location.- Water-stage recorder, lat. 34°55'30", long. 110°31'0", in sec. 27, T. 18 N., R. 17 E., 3 miles above mouth and 12 miles southeast of Winslow.

Drainage area.- 1,010 square miles.

Records available.- December 1905 to December 1908, December 1915 to December 1919, March 1929 to February 1934, September 1935 to September 1936.

Extremes.- Maximum discharge during year, 1,350 second-feet Apr. 12 (gage height, 5.88 feet); minimum, 2 second-feet several days in October and November.
Maximum discharge during period Feb. 6, 1934, to Sept. 30, 1935, when station was not in operation, about 2,700 second-feet (gage height, 8.05 feet, from floodmarks).
1929-36: Maximum discharge, 16,100 second-feet Apr. 4, 1929 (gage height, 17.8 feet); minimum, about 1 second-foot almost every year.

Remarks.- Records good. No diversions above station. Chevelon Canal, diverting below station, has maximum capacity of about 10 second-feet.

Discharge, in second-feet, 1935

Sept. 24	10	Sept. 28	16
25	10	29	6
26	5	30	5
27	156		

Note.- Mean discharge Sept. 24-30, 29.7 second-feet; total runoff 413 acre-feet.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	3	6	4	4	7	214	27	3	3	15	6
2	4	3	6	3	3	28	196	22	3	4	12	114
3	4	2	5	3	3	35	144	16	4	3	110	22
4	3	2	5	3	3	41	203	12	4	3	31	8
5	3	4	5	4	3	60	291	8	4	3	22	5
6	3	4	5	4	3	113	221	6	4	3	8	5
7	3	4	5	4	3	138	161	5	4	3	16	5
8	2	4	5	4	3	126	115	5	4	3	7	5
9	2	4	5	4	3	122	159	4	5	4	5	5
10	2	4	5	4	3	186	538	4	5	108	5	172
11	2	4	5	3	3	251	786	4	4	10	5	56
12	3	5	4	3	3	305	950	4	4	6	61	29
13	4	5	4	4	3	282	867	4	5	6	41	13
14	5	4	4	4	3	294	814	4	5	6	14	4
15	5	4	4	4	3	344	703	3	5	6	6	4
16	4	4	4	3	3	364	551	3	5	3	6	4
17	5	4	4	3	3	380	441	3	4	3	6	4
18	5	4	4	3	3	314	395	3	5	3	6	5
19	4	4	4	4	3	238	300	3	4	4	6	5
20	3	4	4	4	3	314	259	3	4	3	6	5
21	2	3	4	4	3	273	180	3	4	3	6	7
22	2	3	4	4	3	282	128	4	4	3	6	5
23	2	3	4	4	3	273	94	4	4	3	6	5
24	2	3	4	4	5	151	75	4	4	3	5	5
25	2	4	3	4	4	133	63	5	4	4	5	4
26	2	4	3	4	3	128	58	5	4	6	5	4
27	4	4	4	4	3	82	50	5	4	4	5	4
28	4	6	3	4	3	75	47	4	5	60	5	4
29	4	6	3	5	3	60	42	4	3	12	6	4
30	2	6	3	5	-	102	35	4	3	6	7	4
31	2	-	4	4	-	122	-	3	-	9	47	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	98	5	2	3.2	194
November	118	6	2	3.9	234
December	132	6	3	4.3	262
Calendar year					
January	118	5	3	3.9	234
February	91	5	3	3.1	180
March	5,623	380	7	181	11,150
April	9,080	950	35	303	18,010
May	188	27	3	6.1	373
June	124	5	3	4.1	246
July	300	108	3	9.7	595
August	491	110	5	15.8	974
September	522	172	4	17.4	1,040
Water year 1935-36	16, 885	950	2	46.1	33,490

Clear Creek near Winslow, Ariz.

Location.- Water-stage recorder, lat. 34°57'45", long. 110°38'15", in SE¼ sec. 9, T. 18 N., R. 16 E., 1½ miles above mouth and 5 miles southeast of Winslow. Control for station is crest of diversion dam 1,000 feet downstream.

Drainage area.- 607 square miles.

Records available.- March 1929 to February 1934, October 1935 to September 1936. June 1906 to January 1909 at station 3 miles upstream.

Extremes.- Maximum discharge during year, 1,680 second-feet Apr. 14 (gage height, 6.71 feet); no flow on many days.
Maximum discharge during period Feb. 6, 1934, to Sept. 30, 1935, when station was not in operation, about 6,300 second-feet (gage height, 9.15 feet, from floodmarks).
1929-36: Maximum discharge, 39,000 second-feet Apr. 4, 1929 (gage height, 18.1 feet); no flow on many days of each year.

Remarks.- Records good. Water diverted above station for municipal and industrial use. Records show discharge over dam but do not include flow in canal which diverts between gage and dam.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						0	216	103				0
2						0	238	88				0
3						51	177	76				0
4						65	242	56				0
5						76	343	45				0
6						129	328	39				0
7						177	245	32				0
8						165	184	28				0
9						124	196	26				0
10						159	517	22				0
11						245	803	18				0
12						231	1,130	17				3.8
13						266	1,290	12				.5
14						259	1,360	10				0
15						304	1,330	7.4				0
16						343	1,220	4.7				0
17						360	1,090	1.1				0
18						335	1,010	.2				0
19						274	897	0				0
20						293	837	0				0
21						320	664	0				0
22						312	508	0				0
23						343	427	0				0
24						257	368	0				0
25						210	328	0				0
26						187	266	0				0
27						124	210	0				0
28						103	171	0				0
29						103	140	0				0
30						129	114	0				0
31						171	-	0				-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	0	0	0	0	0
March	6,165	360	0	199	12,230
April	16,849	1,360	114	562	33,420
May	587.4	103	0	18.9	1,170
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	4.3	3.8	0	.14	8.5
Water year 1935-36	23,605.7	1,360	0	64.5	46,830

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 1936.

Extremes.- Maximum discharge during year, 8,300 second-feet Sept. 2 (gage height, 10.5 feet); no flow on many days.
1926-36: 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 for Aug. 4-18, which are poor, and those for Nov. 4-16 and Aug. 30 to Sept. 3, which are fair. Discharge for Nov. 4-16 and Aug. 4-18 computed on basis of partial gage-height record, weather records, and records for other stations in vicinity. Stage-discharge relation affected by ice part of each day Dec. 14, 15, 29, Jan. 6, 12, 13, 15, 22, 23, 25-28; discharge computed on basis of portions of gage-height graph unaffected by ice. Diversions for irrigation above station; none below.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.7	4.2	5.9	6.5	7.8	4.5	1.1	0.1		0	271	20
2	4.2	4.7	5.9	4.9	7.1	4.1	.8	0		0	88	1,200
3	4.2	4	7.1	4.9	6.5	4.5	0	.1		0	336	450
4	4.2	4	9.3	5.4	2.9	4.5	0	.1		0	800	57
5	3.8	4	16	6.6	5.4	4.1	0	0		0	400	23
6	3.8	4	12	4.9	7.2	4.9	0	0		0	600	13
7	3.8	3	9.3	5.9	35	4.9	0	0		0	100	8.3
8	3.8	3	8.5	6.5	6.1	4.9	0	0		0	20	4.1
9	3.4	3	8.5	7.8	6.4	4.9	0	0		2.0	10	2.3
10	3.4	3	7.8	7.1	6.4	4.5	0	0		19	5	5.4
11	3.4	3	7.8	7.2	6.5	4.1	.6	0		6.9	50	19
12	3.4	3	7.8	5.4	7.8	3.7	.2	0		2.3	100	19
13	3.8	3	7.1	5.4	7.8	3.3	0	0		3.0	50	405
14	3.8	4	4.1	7.4	17	3.3	0	0		2.2	10	56
15	3.4	5	3.7	5.9	13	3.7	2.3	0		9.7	5	15
16	3.4	5	4.5	7.1	8.5	3.7	1.1	0		6.0	5	6.3
17	3.8	5.2	4.9	4.6	8.5	3.7	2.0	0		.4	5	3.3
18	3.8	4.7	4.9	5.0	7.8	2.6	1.5	0		.1	150	3.3
19	45	4.7	4.9	6.5	10	1.0	.4	0		99	122	2.9
20	26	4.2	5.9	5.9	9.3	1.0	1.4	0		206	158	73
21	27	4.2	8.3	6.6	7.1	.6	.5	0		23	46	45
22	9.4	4.7	6.8	5.4	6.5	.7	.1	0		9.6	19	553
23	5.8	5.8	4.8	5.9	6.5	1.7	0	0		6.6	19	103
24	4.7	5.8	4.6	6.9	5.4	.9	1.5	0		2.7	4.9	35
25	4.7	7.1	4.3	7.8	5.4	.1	.4	0		2.3	.7	12
26	4.7	50	4.7	8.3	4.9	2.6	.2	0		77	.2	11
27	4.7	19	5.4	7.1	4.5	2.6	0	0		87	7.1	6.9
28	5.2	7.8	7.1	7.8	4.5	.5	.2	0		11	12	5.7
29	5.8	6.5	5.4	7.8	4.5	.1	0	0		24	4.0	5.7
30	3.8	5.9	6.5	5.9	-	.6	0	0		11	1,800	5.1
31	3.8	-	7.1	4.9	-	.2	-	0		145	160	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	218.7	45	3.4	7.05	434
November	195.5	50	3	6.52	388
December	210.9	16	3.7	6.80	418
Calendar year 1935	3,922.8	497	0	10.7	7,780
January	195.5	8.5	4.6	6.31	388
February	236.3	35	29	8.15	469
March	86.5	4.9	.1	2.79	172
April	14.3	2.3	0	.48	28
May	.3	.1	0	.01	.6
June	0	0	0	0	0
July	755.8	206	0	24.4	1,500
August	5,357.9	1,800	.2	173	10,630
September	3,163.3	1,200	2.3	106	6,280
Water year 1935-36	10,440.0	1,800	0	28.5	20,710

Bright Angel Creek near Grand Canyon, Ariz.

Location.- Water-stage recorder, supplemented by temporary staff gage, 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 1936.

Average discharge.- 13 years, 34.8 second-feet.

Extremes.- Maximum discharge during year, determined by slope-area method, 4,400 second-feet Aug. 19 (gage height, 15.0 feet, from floodmarks); minimum, 11 second-feet Aug. 18, caused by regulation.
1923-36: Maximum discharge, that of Aug. 19, 1936; minimum, 9 second-feet June 29, 1934, caused by regulation.

Remarks.- Records good except those estimated for Aug. 19-22, which are fair. Water-stage recorder rendered useless by flood of Aug. 19; records for Aug. 23 to Sept. 30 from temporary staff gage read twice daily or oftener. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	19	19	20	21	23	26	173	30	21	19	24
2	20	18	19	20	24	23	26	155	30	21	21	27
3	19	19	20	20	23	24	24	149	29	21	24	20
4	18	19	20	20	22	24	24	142	28	21	22	20
5	19	19	20	20	21	22	25	134	27	21	21	20
6	19	19	20	20	22	22	22	132	27	21	21	20
7	18	19	20	20	20	22	22	120	26	21	21	20
8	19	19	20	20	20	22	22	102	25	22	21	20
9	19	19	20	20	20	21	23	82	25	22	21	33
10	18	20	20	20	20	20	26	75	25	23	21	22
11	18	20	21	20	22	19	30	72	24	23	22	24
12	18	20	20	20	30	19	37	72	24	22	22	22
13	18	20	20	20	24	22	53	70	24	21	21	22
14	18	20	20	20	24	22	69	66	23	21	20	21
15	18	20	20	21	26	22	88	63	24	21	22	20
16	18	20	20	20	30	22	107	62	24	20	20	20
17	18	20	20	20	26	22	146	60	23	21	20	19
18	18	20	20	20	24	24	164	56	23	22	21	19
19	19	19	20	20	24	25	184	52	24	60	200	19
20	20	19	20	20	23	26	215	48	24	25	30	19
21	19	19	20	20	23	26	225	45	23	21	25	51
22	18	19	21	20	24	35	233	41	22	21	22	22
23	18	20	21	20	32	27	229	39	22	21	22	20
24	18	20	21	20	42	27	241	37	22	20	21	20
25	18	22	20	20	28	27	251	36	21	21	22	20
26	18	20	20	20	26	27	247	36	22	43	21	20
27	18	20	22	20	25	29	235	36	21	28	22	20
28	19	19	21	20	24	26	227	34	22	22	22	20
29	18	19	20	20	22	26	215	32	22	21	22	20
30	19	19	20	20	-	26	197	32	22	21	23	20
31	19	-	20	20	-	28	-	31	-	21	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	574	20	18	18.5	1,140
November	585	22	18	19.5	1,160
December	625	22	19	20.2	1,240
Calendar year 1935	15,930	231	18	43.6	31,590
January	621	21	20	20.0	1,230
February	712	42	20	24.6	1,410
March	750	35	19	24.2	1,490
April	3,633	251	22	121	7,210
May	2,284	173	31	73.7	4,530
June	728	30	21	24.3	1,440
July	730	60	20	23.5	1,450
August	854	200	19	27.5	1,690
September	664	51	19	22.1	1,320
Water year 1935-36	12,760	251	18	34.9	25,310

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 1936.

Average discharge.- 17 years (1910-14, 1915-16, 1917-18, 1923-24, 1926-36), 216 second-feet.

Extremes.- Maximum discharge observed during year, 6,300 second-feet July 31 (gage height, 8.5 feet); minimum daily discharge, 50 second-feet Aug. 27.
1909-36: Maximum discharge (estimated), 12,000 second-feet Oct. 27, 1912 (gage height, 11.6 feet, former site and datum); minimum observed, 23 second-feet Sept. 30, 1931.

Remarks.- Records fair. Records of daily discharge furnished by U. S. Bureau of Reclamation. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	92	104	150	120	124	210	180	260	95	66	330	280
2	87	129	147	125	530	210	180	265	98	66	112	450
3	87	129	138	115	330	200	180	265	95	66	140	91
4	98	120	138	120	136	210	200	290	124	67	190	85
5	87	120	200	125	130	160	160	280	112	70	190	85
6	92	120	147	115	134	165	155	260	92	65	170	61
7	92	120	138	118	120	165	150	200	90	57	165	60
8	92	129	129	116	125	170	200	190	104	101	220	80
9	96	120	136	122	125	180	190	200	100	970	110	80
10	92	110	135	134	126	190	215	190	100	1,000	500	60
11	96	98	135	128	129	165	220	185	88	775	190	80
12	98	98	135	132	585	165	350	170	80	180	160	96
13	95	96	135	120	420	180	350	165	75	118	160	88
14	92	111	113	125	395	170	390	160	83	100	115	75
15	87	120	134	133	325	175	470	148	73	102	92	71
16	92	120	147	118	425	190	550	134	70	118	180	66
17	92	120	130	112	310	170	670	134	71	150	82	68
18	96	157	120	110	185	170	600	135	71	118	70	72
19	104	147	138	120	185	160	520	130	72	125	65	69
20	98	138	126	122	172	150	460	134	73	90	70	82
21	104	138	136	124	162	160	460	118	74	80	74	82
22	104	138	120	127	142	320	460	120	77	80	66	100
23	96	138	111	125	730	190	430	111	70	200	61	78
24	98	157	115	120	330	160	410	115	70	107	59	65
25	129	224	120	134	145	180	360	100	72	94	58	73
26	120	188	120	122	162	190	350	128	72	100	53	78
27	120	157	129	129	154	180	360	155	68	110	50	76
28	120	167	148	132	138	210	320	125	74	400	55	79
29	104	147	129	115	147	200	300	120	85	380	56	70
30	104	157	138	112	-	175	290	120	66	120	130	72
31	98	-	138	116	-	270	-	110	-	1,000	57	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,070	129	87	99.0	6,090
November	4,019	224	98	134	7,970
December	4,177	200	111	135	8,280
Calendar year 1935	71,289	1,010	51	195	141,400
January	3,786	134	110	122	7,510
February	7,121	585	120	246	14,120
March	5,790	320	150	187	11,480
April	10,130	670	150	338	20,090
May	5,217	290	100	168	10,350
June	2,494	124	66	83.1	4,950
July	7,085	1,000	65	229	14,050
August	4,030	500	50	130	7,990
September	2,932	450	65	97.7	5,820
Water year 1935-36	59,851	1,000	50	164	118,700

Virgin River at Littlefield, Ariz.

Location.- Staff gage, lat. 36°53', long. 113°56', in SW¼ sec. 4, T. 40 N., R. 15 W., half a mile below Beaverdam Wash and half a mile above Littlefield.

Drainage area.- 4,400 square miles.

Records available.- October 1929 to September 1936.

Extremes.- Maximum discharge observed during year, about 2,710 second-feet July 10 (gage height, 7.0 feet); minimum observed, 47 second-feet Oct. 8.
1929-36: Maximum discharge (estimated), 25,000 second-feet Aug. 27, 1932; minimum observed, 23 second-feet Aug. 31, 1935.

Remarks.- Records poor. Gage read once daily. Discharge for July 1, 2, 13-27, Aug. 3 to Sept. 1 computed on basis of records for station at Virgin, Utah. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	62	79	192	162	141	237	323	293	56	70	2,370	110
2	59	75	203	164	162	240	310	282	56	65	721	1,370
3	56	74	221	162	565	235	257	276	54	62	200	509
4	54	70	246	160	325	229	208	271	56	60	160	313
5	53	72	279	162	182	237	192	257	56	62	140	139
6	53	70	262	155	117	229	160	240	54	65	120	126
7	50	74	257	148	96	237	137	240	57	63	110	113
8	47	70	235	139	98	237	167	248	54	74	130	110
9	53	72	226	139	100	229	172	216	54	260	120	94
10	53	86	229	148	96	237	177	190	56	2,710	110	85
11	53	86	213	153	104	187	170	182	56	2,130	110	75
12	56	85	195	162	113	180	210	155	57	447	80	70
13	50	96	182	170	117	162	254	139	56	150	110	65
14	53	96	162	153	268	153	265	124	56	80	110	63
15	56	100	162	153	325	115	340	119	56	80	110	65
16	54	109	162	144	354	137	400	121	56	85	100	70
17	59	121	160	139	565	174	423	111	59	85	90	70
18	62	128	155	139	525	174	416	102	54	80	70	63
19	57	126	155	139	485	164	468	96	56	80	65	63
20	68	117	148	141	416	157	450	92	56	110	70	70
21	75	115	139	135	413	160	384	96	54	100	74	68
22	75	124	135	126	325	210	325	92	56	95	80	63
23	83	132	135	117	525	322	348	96	56	95	82	70
24	83	184	130	117	761	240	325	72	59	90	84	79
25	79	184	130	121	471	237	290	63	56	80	74	70
26	83	384	135	115	360	229	369	70	60	90	74	63
27	85	213	135	113	342	218	313	72	83	70	76	63
28	83	187	139	113	265	210	369	59	79	146	80	65
29	83	184	139	117	246	200	351	57	288	846	84	56
30	85	182	139	126	-	190	337	57	96	681	90	54
31	86	-	162	139	-	184	-	54	-	322	96	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,008	86	47	64.8	3,980
November	3,695	384	70	123	7,330
December	5,562	279	130	179	11,030
Calendar year 1935	81,570	1,800	23	233	161,800
January	4,371	170	113	141	8,670
February	8,862	761	96	306	17,580
March	6,350	322	115	205	12,600
April	8,910	468	137	297	17,670
May	4,542	293	54	147	9,010
June	2,002	288	54	66.7	3,970
July	9,433	2,710	60	304	18,710
August	5,990	2,370	65	193	11,880
September	4,294	1,370	54	143	8,520
Water year 1935-36	66,019	2,710	47	180	131,000

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 Septemver 1936 at present site; June to November 1923, April 1925 to September 1932 at site a quarter of a mile above Pine Creek.

Average discharge.- 10 years (1925-31, 1932-36), 89.1 second-feet.

Extremes.- Maximum discharge during year, 4,480 second-feet Sept. 2 (gage height, 7.9 feet, from high-water mark) from rating curve extended above 500 second-feet; minimum observed, 26 second-feet Sept. 15, 16.
1925-36: Maximum discharge, that of Sept. 2, 1936; minimum observed, 24 second-feet Dec. 17 and 31, 1928.

Remarks.- Records fair. Gage read once or twice daily. Discharge for Nov. 24-30, Dec. 1, 2, 23-28, 29-31, Jan. 5, 6, 16, Feb. 23, Apr. 20-24, May 2, 5, 10, 25, July 10 to Aug. 7, Sept. 2 computed on basis of records for Virgin River at Virgin, Utah. 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).

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	42	52	46	62	56	59	242	65	34	180	116
2	52	42	50	46	228	56	66	230	65	34	80	300
3	50	42	47	44	61	72	83	222	72	34	84	36
4	50	40	49	49	50	87	87	209	74	34	100	36
5	50	40	54	48	61	65	53	230	65	34	90	37
6	50	40	46	47	58	64	48	225	64	34	70	36
7	50	39	42	46	54	64	59	198	62	34	90	34
8	48	39	49	46	52	61	87	156	60	34	48	34
9	48	39	49	49	54	77	95	163	60	287	332	33
10	46	39	49	49	52	72	126	163	55	600	46	33
11	44	39	49	49	52	74	122	163	52	320	44	32
12	44	40	51	54	118	77	188	156	52	190	39	32
13	46	40	51	54	186	72	209	145	52	90	44	30
14	46	40	51	52	239	74	214	143	50	56	39	30
15	44	40	40	52	225	77	287	120	50	57	39	26
16	44	40	35	51	149	83	365	112	49	58	37	26
17	44	40	35	51	90	82	515	103	49	80	37	27
18	44	40	37	42	67	87	463	99	44	60	37	27
19	44	40	40	44	55	87	483	99	40	62	37	27
20	44	40	42	52	52	83	400	94	40	50	37	27
21	44	42	44	52	69	72	420	95	42	52	37	27
22	44	42	42	47	59	191	430	83	39	54	37	29
23	42	42	43	51	400	69	410	72	37	64	35	29
24	42	70	43	50	83	64	420	72	38	56	35	29
25	42	54	44	48	59	56	281	90	37	50	35	29
26	44	52	44	49	56	59	397	80	37	49	35	29
27	44	55	44	50	56	72	303	76	37	70	35	29
28	44	52	49	52	56	69	271	70	37	250	35	29
29	42	50	48	52	58	72	250	65	35	200	35	29
30	42	52	48	42	-	72	242	62	34	60	34	-
31	42	-	47	37	-	140	-	69	-	450	-	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,412	52	42	45.5	2,800
November	1,312	70	39	43.7	2,600
December	1,414	54	35	45.6	2,800
Calendar year 1935	41,978	1,020	28	115	83,260
January	1,501	54	37	48.4	2,980
February	2,851	400	50	98.3	5,650
March	2,406	191	56	77.6	4,770
April	7,433	515	48	248	14,740
May	4,106	242	62	132	8,140
June	1,493	74	34	49.8	2,960
July	3,537	600	34	114	7,020
August	1,897	332	34	61.2	3,760
September	1,267	300	26	42.2	2,510
Water year 1935-36	30,629	600	26	83.7	60,750

Combined discharge, in second-feet, of North Fork of Virgin River and Springdale Canal near Springdale, Utah, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	57	46	56	49	65	57	64	255	70	42	188	121
2	57	46	54	49	234	57	71	243	70	42	86	310
3	56	46	51	47	63	74	89	235	78	42	90	38
4	56	44	53	52	52	88	93	222	80	42	103	39
5	56	44	58	51	63	66	57	243	70	42	93	40
6	56	44	50	50	61	65	52	237	70	42	73	40
7	56	43	45	49	57	65	64	207	68	42	93	38
8	54	43	53	49	55	62	94	165	66	42	51	37
9	53	43	53	52	57	78	102	173	66	309	342	36
10	51	43	52	52	55	73	133	172	60	620	49	36
11	49	43	52	52	55	75	132	172	57	337	47	38
12	49	44	55	57	121	78	198	165	57	200	42	38
13	51	44	54	57	188	77	221	154	57	97	47	37
14	51	44	54	55	250	79	227	152	55	61	42	38
15	49	44	43	55	233	82	301	127	55	61	42	33
16	49	44	38	54	158	88	379	119	55	62	41	33
17	49	44	38	54	96	87	530	111	55	83	41	34
18	49	44	40	45	73	93	477	105	53	63	40	34
19	49	44	43	47	60	93	499	105	48	65	40	34
20	49	44	45	55	57	88	414	100	49	53	40	34
21	49	46	47	55	64	77	435	101	52	55	40	34
22	49	46	45	50	64	201	447	88	48	57	41	36
23	47	46	46	54	420	74	426	77	46	67	38	36
24	47	74	46	53	85	68	436	77	47	59	39	36
25	47	58	47	51	61	60	295	95	45	53	39	36
26	49	56	47	52	58	63	411	85	45	52	39	36
27	49	59	47	53	58	77	317	82	45	76	40	36
28	49	56	53	55	58	74	285	76	45	259	40	36
29	47	54	51	55	60	77	264	70	43	208	40	36
30	47	56	51	45	-	77	255	67	42	66	39	36
31	47	-	50	40	-	148	-	74	-	465	39	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,573	57	47	50.7	3,120
November	1,432	74	43	47.7	2,840
December	1,517	58	38	48.9	3,010
Calendar year 1935	44,659	1,030	36	122	88,580
January	1,594	57	40	51.4	3,160
February	2,981	420	52	103	5,910
March	2,521	201	57	81.3	5,000
April	7,768	530	52	259	15,410
May	4,354	255	67	140	8,640
June	1,697	80	42	56.6	3,370
July	3,764	620	42	121	7,470
August	2,024	342	38	65.3	4,010
September	1,446	310	33	48.2	2,870
Water year 1935-36	32,671	620	33	89.3	64,800

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 (from levels 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 1936.

Extremes.- Maximum discharge during year, 2,900 second-feet Aug. 9 (gage height, 6.61 feet); minimum, 9 second-feet July 10.
1928-36: Maximum discharge, 55,500 second-feet Aug. 5, 1931 (gage height, 12.3 feet); minimum, 7 second-feet Sept. 30, Oct. 1, 1934.
Flood about Jan. 19, 1916, was probably greater than 100,000 second-feet.

Remarks.- Records good except those for July 26 to Aug. 15 and Aug. 21-28, which are fair. Minor diversions above station for irrigation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*20	17	18	18	18	18	16	15	13	12	24	17
2	*20	18	18	18	18	18	16	15	13	12	*20	23
3	*20	17	18	18	18	18	15	15	13	11	20	15
4	*19	18	18	18	17	18	15	15	13	11	214	19
5	*19	18	18	18	17	17	15	15	13	12	382	20
6	*19	18	18	18	17	17	15	14	13	11	111	19
7	*18	18	18	18	17	†17	15	14	12	11	182	20
8	*18	19	18	18	17	†17	15	14	13	11	106	20
9	*18	19	18	18	17	†17	15	14	12	11	956	24
10	*18	18	18	18	17	†17	15	13	13	10	483	20
11	*18	18	18	18	17	†17	15	14	13	10	133	18
12	*18	18	18	18	17	†17	15	13	13	11	48	18
13	*18	18	18	18	18	17	15	12	13	11	31	39
14	*18	18	19	18	18	17	14	13	13	12	21	47
15	*18	18	19	18	19	†17	14	12	13	11	19	22
16	*18	18	18	18	19	†17	14	12	13	12	13	18
17	*18	18	18	18	18	†17	14	11	13	12	16	15
18	*18	18	18	18	96	†17	14	12	13	12	15	15
19	*18	18	18	18	43	†17	13	11	13	12	13	16
20	*18	18	18	18	*20	†17	14	12	13	12	18	37
21	*18	18	18	18	†19	†16	14	12	14	12	64	41
22	*18	18	18	18	†19	†16	13	12	14	12	54	48
23	*18	18	18	18	†18	†16	13	12	13	12	27	30
24	*18	18	18	18	†18	†16	14	12	13	12	20	26
25	18	19	18	18	†17	†16	14	12	13	13	34	18
26	18	19	18	18	17	†16	14	13	13	45	121	13
27	17	19	18	18	18	†16	15	13	13	17	15	12
28	17	19	18	18	18	16	15	13	13	606	28	12
29	17	19	18	18	18	16	15	13	13	288	23	12
30	17	18	18	18	-	16	15	13	12	1,120	21	13
31	17	-	18	18	-	16	-	13	-	122	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	562	20	17	18.1	1,110
November	545	19	17	18.2	1,080
December	560	19	18	18.1	1,110
Calendar year 1935	55,643	7,120	11	152	110,400
January	558	18	18	18.0	1,110
February	620	96	17	21.4	1,230
March	520	18	16	16.8	1,030
April	436	16	13	14.5	865
May	404	15	11	13.0	801
June	389	14	12	13.0	772
July	2,486	1,120	10	80.2	4,930
August	3,250	956	13	105	6,450
September	667	48	12	22.2	1,320
Water year 1935-36	10,997	1,120	10	30.0	21,810

*Estimated.
†Interpolated.

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 1936 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, about 1,520 second-feet July 2 (gage height, 6.70 feet); minimum daily discharge, 31 second-feet Aug. 17.
1930-36: 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 except those for June 22-27, July 3-13, which are poor and were computed on basis of records for Gila River near Red Rock, Mimbres River near Mimbres, and San Francisco River near Glenwood, gage heights, and weather records. One small diversion for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	88	64	76	74	173	163	161	147	53	37	40	72
2	78	64	74	69	147	163	166	140	51	146	44	88
3	74	64	72	66	156	168	161	138	49	50	63	107
4	71	64	72	68	168	168	161	140	46	40	81	76
5	68	64	84	69	138	168	171	144	42	35	72	63
6	64	64	88	71	120	176	168	151	42	35	57	57
7	63	64	83	74	109	178	161	151	41	90	51	54
8	62	68	79	72	103	173	144	156	40	80	53	68
9	62	66	76	69	97	168	142	147	38	50	89	62
10	62	64	76	66	96	166	144	128	36	80	66	54
11	62	66	76	69	94	168	149	116	37	70	51	291
12	62	63	74	68	99	166	156	105	45	60	45	257
13	63	63	74	66	133	161	171	99	44	50	40	168
14	64	63	71	63	154	159	186	96	39	46	40	116
15	68	62	69	66	163	154	190	92	38	44	37	92
16	69	60	68	68	196	151	196	90	40	51	34	79
17	71	60	64	68	254	154	198	88	40	46	31	76
18	74	60	60	66	273	154	203	88	37	42	33	78
19	83	62	63	63	257	147	201	83	35	42	32	84
20	99	60	79	60	245	144	201	78	34	40	48	81
21	83	60	101	62	220	147	206	76	32	38	60	83
22	78	58	103	60	206	154	203	74	35	39	123	74
23	76	62	94	60	212	178	193	74	35	63	53	72
24	74	63	86	62	240	159	186	69	35	49	44	71
25	74	84	81	62	270	149	186	68	40	45	39	66
26	72	133	78	63	248	144	180	74	70	46	37	64
27	69	107	78	66	203	131	178	72	50	50	37	145
28	69	92	76	66	183	124	173	71	41	40	51	151
29	66	83	74	66	171	124	163	63	39	36	118	118
30	63	79	72	176	-	138	156	58	38	39	111	99
31	62	-	72	178	-	156	-	56	-	45	81	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,193	99	62	70.7	4,350
November	2,086	133	58	69.5	4,140
December	2,393	103	60	77.2	4,750
Calendar year 1935	36,891	458	26	101	73,180
January	2,276	178	60	73.4	4,510
February	5,128	273	94	177	10,170
March	4,853	178	124	157	9,630
April	5,254	206	142	175	10,420
May	3,132	156	56	101	6,210
June	1,242	70	32	41.4	2,460
July	1,624	146	35	52.4	3,220
August	1,761	123	31	56.8	3,490
September	2,966	291	54	98.9	5,880
Water year 1935-36	34,908	291	31	95.4	69,230

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., 4 miles northeast of Red Rock and 11 miles below mouth of Mangas Creek.

Drainage area.- 2,840 square miles.

Records available.- May 1908 to December 1914, October 1930 to September 1936 in reports of U. S. Geological Survey; May 1908 to December 1931 in reports of State engineer.

Extremes.- Maximum discharge during year, about 5,660 second-feet Sept. 21 (gage height, 10.8 feet); minimum daily discharge, 25 second-feet June 15, Aug. 17, 18.
1930-36: 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 for Mar. 14 to Apr. 5, May 8-14, June 29 to July 6, July 11-14, 26, Aug. 2, 26-28, 30, 31, Sept. 5-11, 14, 15, 23-30, which are poor and were computed on basis of records for station near Gila, gage heights, and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	117	80	108	94	245	285	210	181	65	40	33	92
2	105	81	106	91	200	291	220	179	55	40	81	134
3	99	80	105	91	195	297	210	179	48	110	26	173
4	94	80	102	90	255	294	200	171	43	60	40	129
5	90	81	105	91	230	294	210	159	40	40	33	100
6	86	85	106	91	183	297	205	149	42	35	33	80
7	86	85	106	91	165	291	200	147	40	33	37	100
8	85	85	106	91	155	273	187	150	36	99	32	120
9	84	85	104	91	147	268	181	145	35	87	40	100
10	81	85	104	90	145	270	179	140	33	418	55	90
11	80	86	102	90	139	282	195	135	30	150	38	650
12	79	86	101	91	135	279	202	110	34	80	33	348
13	78	87	98	91	134	276	232	100	30	70	31	250
14	78	87	97	90	185	270	262	90	26	65	28	170
15	75	87	95	90	198	260	291	83	25	59	26	120
16	74	86	94	90	273	250	282	84	26	59	26	102
17	72	85	94	90	368	250	300	77	26	56	25	97
18	71	85	92	90	460	260	315	91	26	53	25	86
19	72	85	92	90	412	250	312	87	31	51	93	87
20	208	85	99	89	404	240	324	84	28	52	54	94
21	99	85	118	86	354	240	303	78	26	43	44	671
22	87	85	145	86	334	250	282	77	29	40	67	134
23	84	85	118	86	337	260	245	70	32	37	47	90
24	84	86	108	86	379	240	240	71	30	37	38	80
25	83	98	104	86	416	220	238	77	47	200	41	100
26	84	137	99	86	400	210	230	77	52	130	45	80
27	84	135	98	86	351	190	248	85	42	71	35	120
28	84	118	97	87	315	170	235	80	41	57	135	140
29	83	114	97	99	297	170	215	72	78	48	122	120
30	80	111	94	151	-	190	193	69	40	48	140	110
31	80	-	94	288	-	210	-	75	-	26	90	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,746	208	71	88.6	5,450
November	2,740	137	80	91.3	5,430
December	3,188	145	92	103	6,320
Calendar year 1935	47,780	827	12	131	94,760
January	3,039	288	86	98.0	6,030
February	7,811	460	134	269	15,490
March	7,827	297	170	252	15,520
April	7,146	324	179	238	14,170
May	3,372	181	69	109	6,690
June	1,136	78	25	37.9	2,250
July	2,394	418	26	77.2	4,750
August	1,593	140	25	51.4	3,160
September	4,767	671	80	159	9,460
Water year 1935-36	47,759	671	25	130	94,720

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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 1936. 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 station at Virden Bridge, 8⅛ miles downstream, both below intake of Sunset Canal.

Extremes.- Maximum discharge during year, 3,600 second-feet June 11 (gage height, 9.25 feet); minimum discharge, 5 second-feet June 26; minimum gage height, 4.14 feet Aug. 18.

1931-36: 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. Discharge for Oct. 1-3, 5-17, Apr. 20-27 computed on basis of partial gage-height record and by comparison with gage-height records for stations near Red Rock and near Clifton. Diversions for irrigation above station. Station is above all diversions for Duncan Valley.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	150	77	112	107	236	264	177	154	66	31	17	85
2	125	79	112	107	203	264	177	151	60	22	81	157
3	105	81	110	105	196	272	171	148	52	49	52	202
4	95	77	107	105	224	277	174	138	46	70	40	140
5	90	82	112	105	221	266	177	130	42	56	30	110
6	87	90	116	103	190	268	196	114	34	42	21	90
7	85	95	118	103	168	268	196	107	30	26	16	70
8	84	103	118	103	154	247	190	107	32	30	11	94
9	82	105	116	101	143	240	180	107	28	96	27	58
10	80	103	116	97	138	240	168	107	23	340	31	58
11	79	103	116	95	133	240	177	110	210	246	33	522
12	77	103	116	97	130	236	183	101	56	133	19	542
13	75	99	116	99	138	228	200	86	19	98	16	276
14	74	103	116	97	177	224	210	76	19	74	14	184
15	72	103	116	97	206	224	217	62	20	56	13	146
16	70	105	114	97	285	224	217	62	20	48	11	124
17	69	105	112	99	422	213	210	66	19	40	9	112
18	67	105	107	101	472	206	232	76	17	34	9	94
19	69	103	107	101	398	203	228	79	13	31	89	85
20	185	103	123	97	392	196	220	81	12	39	57	92
21	103	105	206	97	360	196	220	82	9	42	46	559
22	88	107	193	97	318	193	210	79	7	29	54	151
23	81	110	148	95	318	213	200	69	7	22	48	117
24	77	112	130	95	360	228	190	64	7	17	24	104
25	74	127	118	97	398	210	180	62	7	197	18	92
26	77	157	112	99	387	196	180	67	21	312	29	98
27	79	163	112	101	343	190	180	67	26	79	23	106
28	79	141	110	101	294	180	180	76	24	55	77	184
29	77	125	107	114	272	168	174	72	57	42	234	162
30	75	116	107	195	-	171	163	62	45	42	149	148
31	75	-	107	299	-	177	-	67	-	27	83	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,705	185	67	87.3	5,370
November	3,187	163	77	106	6,320
December	3,730	206	107	120	7,400
Calendar year 1935	50,019	2,100	4	137	99,210
January	3,406	299	95	110	6,760
February	7,676	472	130	265	15,230
March	6,924	277	168	223	13,730
April	5,777	232	163	193	11,460
May	2,829	154	62	91.3	5,610
June	1,028	210	7	34.3	2,040
July	2,425	340	17	78.2	4,810
August	1,381	234	9	44.5	2,740
September	4,962	559	58	165	9,840
Water year 1935-36	46,030	559	7	126	91,310

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 1935 to September 1936. November 1910 to July 1918 at a station 4 miles upstream, published as Gila River at Guthrie, Ariz.

Extremes.- Maximum discharge during year, 4,300 second-feet Aug. 28 (gage height, 10.95 feet); minimum, 17 second-feet June 12.
1928-36: Maximum discharge, about 11,500 second-feet Aug. 26, 1934 (gage height, 16.0 feet, from floodmarks); minimum probably occurred in 1934; minimum recorded, 10 second-feet July 28, 1935.

Remarks.- Records good. Discharge for Oct. 8-16 and May 2-7 computed on basis of records for 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	147	48	119	114	253	228	116	64	24	19	63	58
2	126	47	118	126	228	215	116	60	22	19	43	76
3	94	52	114	127	208	218	118	55	20	20	180	143
4	76	51	113	118	200	218	110	50	20	20	150	94
5	68	50	113	114	226	213	104	55	20	20	50	72
6	61	51	106	114	218	195	105	40	20	20	30	64
7	56	52	110	118	186	193	118	40	20	20	28	180
8	50	56	113	116	175	191	124	40	20	19	26	95
9	45	64	113	114	158	193	122	39	20	25	196	45
10	40	69	108	113	147	188	116	41	18	29	55	39
11	40	73	110	113	141	181	96	46	18	156	29	127
12	35	78	108	113	141	179	93	39	39	98	28	661
13	30	79	108	113	138	173	99	34	45	53	27	284
14	25	75	108	110	141	168	100	28	27	36	29	196
15	20	76	110	105	162	158	110	26	26	32	20	126
16	20	75	111	104	191	158	106	24	24	30	20	96
17	26	74	106	102	265	158	121	22	22	91	20	75
18	24	76	105	100	406	150	111	22	22	62	20	65
19	23	74	106	100	457	127	139	23	20	29	193	53
20	22	75	114	105	391	122	136	24	20	72	130	65
21	57	76	162	102	380	118	124	24	20	37	41	477
22	72	80	195	98	328	126	126	24	20	31	32	297
23	61	83	195	100	292	139	121	24	20	29	21	141
24	56	86	156	100	311	156	105	23	20	29	20	105
25	57	250	145	99	345	168	96	22	20	206	20	98
26	59	247	132	99	373	160	93	24	20	274	20	89
27	56	154	127	98	362	145	94	46	19	129	280	287
28	56	162	127	98	315	145	90	31	19	40	810	116
29	54	138	118	104	259	124	81	25	20	32	362	145
30	49	126	119	132	-	122	75	27	19	29	115	116
31	50	-	119	198	-	111	-	31	-	143	72	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,655	147	20	53.4	3,280
November	2,697	250	47	89.9	5,350
December	3,808	195	105	123	7,550
Calendar year 1935					
January	3,469	198	98	112	6,880
February	7,377	437	138	254	14,630
March	5,138	226	111	166	10,190
April	3,265	139	75	109	6,480
May	1,073	64	22	34.6	2,130
June	664	45	18	22.1	1,320
July	1,849	274	19	59.6	3,670
August	3,130	810	20	101	6,210
September	4,487	661	39	150	8,900
Water year 1935-36	38,612	810	18	105	76,590

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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 1935 to September 1936. April 1914 to September 1932, at a station 3 miles downstream and below intake of Brown Canal published as Gila River near Solomonsville, Ariz.

Extremes.- Maximum discharge during year, 8,000 second-feet Feb. 17 (gage height, 13.94 feet); minimum, 42 second-feet July 3.
1914-36: 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. Diversions for irrigation above station. Station is above all diversions for Safford Valley.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	314	121	207	222	435	599	533	276	106	49	133	182
2	256	121	203	222	370	584	562	251	98	47	119	207
3	222	121	207	222	338	577	511	232	94	45	231	280
4	193	121	203	217	389	592	482	232	89	47	355	194
5	169	121	207	212	382	592	482	238	81	47	238	170
6	153	121	207	212	364	577	497	232	75	47	159	123
7	138	124	207	212	332	584	490	220	71	45	119	153
8	127	127	212	217	308	570	482	209	68	45	110	301
9	121	138	212	212	284	548	475	215	65	52	102	188
10	114	146	207	207	266	533	468	203	59	322	412	164
11	114	146	203	203	256	526	454	203	62	404	94	1,300
12	105	150	198	203	266	526	432	174	62	257	94	1,200
13	99	150	198	203	890	511	461	164	159	169	85	610
14	94	150	198	193	1,300	490	475	148	94	143	94	406
15	92	150	193	188	890	461	475	133	75	128	138	289
16	89	150	188	183	2,350	439	475	123	71	115	98	221
17	92	150	188	183	4,930	432	475	115	65	98	81	182
18	97	150	188	183	2,870	432	475	110	65	163	75	151
19	94	150	183	179	1,800	390	490	106	65	110	81	182
20	94	150	212	183	1,580	355	504	106	62	98	668	234
21	97	150	459	183	1,210	349	468	106	62	130	404	467
22	142	150	395	179	960	369	446	102	59	102	232	553
23	134	153	345	174	880	454	418	102	59	94	190	296
24	130	157	284	183	960	490	390	98	59	78	160	234
25	127	183	256	183	1,050	519	369	102	52	86	150	188
26	130	516	244	183	1,100	490	355	115	52	695	159	276
27	130	314	234	188	1,000	432	349	119	52	328	256	802
28	127	272	228	188	813	404	335	119	49	141	692	506
29	127	239	222	207	674	376	315	102	52	106	962	369
30	121	217	217	308	-	397	289	102	52	89	374	304
31	121	-	222	389	-	454	-	110	-	171	254	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,163	314	89	134	8,260
November	5,108	516	121	170	10,130
December	7,127	459	183	230	14,140
Calendar year					
January	6,421	389	174	207	12,740
February	29,247	4,930	256	1,009	58,010
March	15,052	599	349	486	29,860
April	13,432	562	289	448	26,640
May	4,867	276	98	157	9,650
June	2,134	159	49	71.1	4,230
July	4,451	695	45	144	8,830
August	7,319	962	75	236	14,520
September	10,732	1,300	123	358	21,290
Water year 1935-36	110,053	4,930	45	301	218,300

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 benchmark of Arizona Highway Department).

Drainage area.- 11,490 square miles.

Records available.- March 1929 to September 1936.

Extremes.- Maximum discharge during year, 6,000 second-feet Sept. 11; maximum gage height, 6.56 feet Feb. 18; no flow during parts of June and July.
1929-36: 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 except those for July 15-20 and Aug. 12-19, which are fair and were estimated from partial gage-height record. Major diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	287	22	201	181	415	594	127	91	6	0	7	108
2	154	21	207	247	475	575	138	63	6	0	5	303
3	102	21	181	240	495	575	222	50	6	0	15	174
4	83	22	194	234	455	538	227	44	4	0	12	88
5	71	26	207	247	435	513	174	41	3	0	17	94
6	57	33	176	247	435	488	146	41	3	0	32	52
7	52	31	159	255	435	488	153	38	3	0	83	46
8	44	32	165	201	415	479	138	38	3	0	42	36
9	33	38	154	194	397	513	113	36	2	15	53	72
10	24	39	143	207	361	470	94	39	2	10	57	73
11	14	47	119	214	325	432	88	54	1	70	52	1,520
12	14	59	119	207	294	352	101	63	1	23	40	1,460
13	12	73	111	207	397	345	91	44	1	14	30	1,070
14	12	78	111	176	1,140	338	97	26	1	7	20	432
15	11	80	123	170	1,260	318	73	23	0	2	15	345
16	9	88	119	188	2,100	318	70	20	0	1	10	248
17	9	86	115	201	2,910	282	101	16	0	0	10	184
18	9	86	111	181	4,030	232	120	17	0	0	5	142
19	9	83	102	221	2,040	179	131	16	0	0	5	104
20	8	80	132	247	1,800	138	157	15	0	0	1,480	75
21	9	80	221	234	1,420	131	192	14	0	0	280	384
22	9	75	451	207	1,040	110	202	13	0	0	78	513
23	9	86	406	194	885	101	222	12	0	0	30	504
24	10	102	379	149	780	94	242	11	0	0	23	253
25	12	111	352	149	780	134	222	11	0	0	15	192
26	14	232	352	165	780	166	188	12	0	514	10	722
27	15	415	294	181	780	170	216	10	0	280	6	353
28	19	270	247	194	703	197	188	11	0	63	23	724
29	20	247	227	227	651	166	153	10	0	27	453	469
30	19	221	201	286	-	157	113	8	0	15	192	240
31	20	-	165	343	-	166	-	9	-	10	94	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,150	267	8	37.1	2,280
November	2,884	415	21	96.1	5,720
December	6,244	451	102	201	12,380
Calendar year 1935	79,815	2,530	0	219	158,300
January	6,594	343	149	213	13,080
February	28,433	4,030	294	980	56,400
March	9,759	594	94	315	19,360
April	4,499	242	70	150	8,920
May	896	91	8	28.9	1,780
June	42	6	0	1.4	83
July	1,051	514	0	33.9	2,080
August	3,194	1,480	5	103	6,340
September	10,980	1,520	36	366	21,780
Water year 1935-36	75,726	4,030	0	207	150,200

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, in Gila River. Datum of gage is mean sea level.
Drainage area.- 12,880 square miles.
Records available.- November 1928 to September 1936.
Extremes.- Maximum contents during year, 193,300 acre-feet Mar. 12-15 (elevation of water surface, 2,439.20 feet); minimum, 38,900 acre-feet Sept. 11 (elevation, 2,401.40 feet).
1928-36: 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 of 2,383.00 feet. Reservoir capacity for available stored water, 1,165,000 acre-feet at spillway elevation of 2,523.00 feet, at top of automatic gates. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	421.78	418.05	417.72	420.02	422.88	438.12	438.84	435.00	428.58	419.90	411.00	404.02
2	421.74	417.93	417.78	420.10	423.11	438.30	438.74	434.82	428.34	419.56	410.90	403.94
3	421.70	417.82	417.86	420.20	423.34	438.42	438.66	434.62	428.12	419.20	410.80	403.90
4	421.61	417.70	417.96	420.30	423.46	438.55	438.60	434.42	427.90	418.83	410.54	403.67
5	421.50	417.64	418.07	420.41	423.64	438.67	438.55	434.22	427.67	418.50	410.34	403.40
6	421.40	417.58	418.17	420.52	423.84	438.77	438.50	434.02	427.44	418.17	410.04	403.08
7	421.30	417.53	418.20	420.62	424.04	438.84	438.45	433.80	427.21	417.80	409.68	402.75
8	421.18	417.52	418.26	420.73	424.20	438.92	438.36	433.60	426.98	417.44	409.34	402.40
9	421.03	417.48	418.32	420.83	424.36	439.00	438.32	433.39	426.74	417.08	408.98	402.08
10	420.89	417.43	418.38	420.93	424.52	439.10	438.20	433.20	426.48	416.72	408.62	401.72
11	420.75	417.38	418.44	421.02	424.63	439.16	438.10	433.00	426.24	416.36	408.40	401.40
12	420.60	417.34	418.49	421.11	424.75	439.20	438.01	432.82	426.00	416.03	408.18	402.22
13	420.45	417.29	418.53	421.20	424.87	439.20	437.92	432.62	425.76	415.70	408.00	402.90
14	420.30	417.26	418.57	421.30	425.60	439.20	437.80	432.47	425.52	415.40	407.73	403.57
15	420.17	417.22	418.60	421.40	426.34	439.19	437.68	432.27	425.28	415.06	407.43	403.70
16	420.06	417.18	418.63	421.48	428.05	439.18	437.53	432.07	425.04	414.70	407.10	403.67
17	419.92	417.14	418.69	421.57	429.72	439.18	437.36	431.86	424.80	414.34	406.76	403.55
18	419.81	417.10	418.73	421.67	431.97	439.13	437.20	431.65	424.50	413.98	406.46	403.40
19	419.67	417.12	418.77	421.76	433.37	439.10	437.04	431.45	424.20	413.62	406.10	403.26
20	419.54	417.12	418.74	421.85	434.27	439.05	436.88	431.25	423.94	413.25	405.84	403.03
21	419.42	417.12	418.81	421.93	435.10	439.00	436.72	431.05	423.60	412.88	406.70	402.80
22	419.30	417.10	418.93	422.00	435.70	438.96	436.59	430.83	423.26	412.50	406.72	402.76
23	419.18	417.10	419.05	422.05	436.21	438.93	436.45	430.60	422.90	412.22	406.44	402.76
24	419.03	417.10	419.23	422.10	436.72	438.93	436.28	430.38	422.56	411.80	406.16	402.72
25	418.88	417.16	419.37	422.10	436.86	438.93	436.10	430.16	422.22	411.40	405.85	402.56
26	418.76	417.20	419.52	422.15	437.10	438.93	435.92	429.95	421.82	411.42	405.57	402.36
27	418.64	417.28	419.65	422.20	437.40	438.90	435.73	429.68	421.45	411.43	405.26	402.40
28	418.52	417.40	419.75	422.23	437.70	438.90	435.56	429.43	421.08	411.46	404.94	402.44
29	418.40	417.53	419.81	422.40	437.94	438.90	435.36	429.20	420.70	411.32	404.64	402.65
30	418.28	417.65	419.87	422.53	-	438.90	435.17	429.00	420.30	411.22	404.49	402.65
31	418.17	-	419.93	422.70	-	438.87	-	428.79	-	411.12	404.34	-

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	106,100	91,200	90,000	99,100	111,000	187,200	191,300	169,400	137,400	98,600	66,700	45,800
2	106,000	90,700	90,200	99,400	112,000	188,200	190,700	168,400	136,300	97,200	66,400	45,500
3	105,800	90,300	90,600	99,800	113,100	188,900	190,300	167,200	135,300	95,800	66,100	45,400
4	105,400	89,900	90,900	100,200	113,600	189,600	189,900	166,100	134,300	94,300	65,200	44,700
5	105,000	89,700	91,300	100,600	114,500	190,300	189,600	165,000	133,200	93,000	64,600	43,900
6	104,600	89,400	91,700	101,500	115,400	190,900	189,400	163,800	132,100	91,700	63,600	42,900
7	104,200	89,300	91,800	101,500	116,300	191,300	189,100	162,600	131,100	90,300	62,500	42,100
8	103,700	89,200	92,000	101,900	117,100	191,700	188,600	161,400	130,000	88,900	61,500	41,300
9	103,100	89,100	92,300	102,300	117,800	192,200	188,300	160,200	128,900	87,600	60,400	40,500
10	102,600	88,900	92,500	102,700	118,600	192,800	187,600	159,100	127,700	86,300	59,300	39,600
11	102,000	88,700	92,800	103,100	119,100	193,100	187,100	158,000	126,600	85,000	58,600	38,900
12	101,400	88,600	93,000	103,400	119,600	193,300	186,600	157,200	125,400	83,800	57,900	40,800
13	100,800	88,400	93,100	103,800	120,200	193,300	186,000	156,200	124,300	82,600	57,300	42,500
14	100,200	88,300	93,300	104,200	123,600	193,300	185,400	155,500	123,200	81,500	56,500	44,400
15	99,700	88,100	93,400	104,600	127,000	193,300	184,700	154,600	122,100	80,300	55,700	44,800
16	99,200	88,000	93,500	104,900	135,000	193,200	183,800	153,700	121,000	79,000	54,800	44,700
17	98,700	87,800	93,800	105,300	142,700	193,200	182,900	152,700	119,900	77,700	53,800	44,400
18	98,200	87,700	93,900	105,700	153,200	192,900	181,900	151,700	118,500	76,400	52,900	43,900
19	97,700	87,700	94,100	106,000	160,100	192,800	181,000	150,800	117,100	75,200	51,800	43,500
20	97,200	87,700	94,000	106,400	165,200	192,500	180,100	149,900	115,900	74,000	51,000	42,800
21	96,700	87,700	94,200	106,700	170,000	192,200	179,200	148,900	114,300	72,700	53,600	42,200
22	96,200	87,700	94,700	107,000	173,400	192,000	178,500	147,900	112,700	71,400	53,700	42,100
23	95,700	87,700	95,200	107,100	176,300	191,800	177,700	146,800	111,000	70,400	52,800	42,100
24	95,100	87,700	95,900	107,400	179,200	191,800	176,700	145,800	109,500	69,100	52,000	42,000
25	94,500	87,900	96,500	107,400	180,000	191,800	175,700	144,800	108,000	67,900	51,000	41,600
26	94,000	88,000	97,100	107,700	181,400	191,800	174,600	143,800	106,300	68,000	50,200	41,200
27	93,600	88,300	97,600	107,900	180,100	191,600	173,600	142,600	104,800	68,000	49,300	41,300
28	93,100	88,800	98,000	108,000	184,800	191,600	172,600	141,400	103,300	68,100	48,300	41,400
29	92,600	89,300	98,200	108,800	186,200	191,600	171,500	140,300	101,800	67,700	45,500	41,900
30	92,100	89,700	98,500	109,400	-	191,600	170,400	139,400	100,200	67,400	47,500	41,900
31	91,700	-	98,700	110,200	-	191,500	-	138,400	-	67,100	46,700	-

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 1936. 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, 980 second-feet Apr. 24 (gage height, 5.80 feet); minimum, 0.4 second-foot Jan. 21; minimum daily discharge, 0.5 second-foot Jan. 13-17.
1914-28: Maximum discharge, 130,000 second-feet Jan. 20, 1916; no flow for various periods.
1929-36: 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, May 1 to July 21, which are good. Major diversions above San Carlos Reservoir. Discharge regulated at Coolidge Dam since Nov. 15, 1928.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	250	209	66	12	18	140	325	610	519	675	183	509
2	247	221	64	12	19	138	325	621	524	675	281	494
3	253	191	74	12	16	138	329	615	519	642	416	438
4	243	152	65	12	15	138	333	589	533	621	438	403
5	247	119	65	12	15	156	333	563	528	626	476	443
6	247	117	64	12	15	191	333	563	533	637	530	471
7	274	119	64	12	16	188	325	563	543	653	574	471
8	278	119	64	12	16	200	321	568	548	637	568	466
9	288	114	64	12	17	218	345	568	553	664	553	466
10	281	115	65	12	54	206	390	563	553	675	394	471
11	295	115	65	6	100	235	365	543	568	615	365	471
12	281	117	71	.7	101	278	382	524	563	563	378	71
13	264	123	74	.5	45	281	399	524	558	579	390	172
14	270	135	73	.5	16	284	412	524	553	604	471	264
15	243	121	73	.5	10	281	485	533	568	599	471	321
16	212	115	37	.5	8	284	548	543	568	594	490	365
17	200	115	47	.5	8	281	548	533	584	621	524	357
18	224	123	87	.8	8	281	558	528	648	631	553	365
19	215	93	121	.8	8	281	558	528	653	642	548	365
20	203	74	117	.6	8	281	568	543	681	653	434	365
21	221	78	97	48	8	314	568	533	715	653	314	369
22	224	84	72	114	8	325	594	574	721	631	418	352
23	215	78	34	92	8	325	642	589	732	653	476	369
24	215	147	11	76	8	325	687	589	738	653	471	365
25	234	122	12	66	8	299	670	594	732	594	480	365
26	227	70	26	68	7	231	670	594	715	272	494	365
27	221	66	75	68	7	218	659	594	721	132	461	365
28	224	66	65	68	42	221	648	548	726	292	461	365
29	237	66	65	68	136	221	631	509	732	243	494	361
30	234	66	53	35	-	247	599	519	726	159	524	361
31	215	-	14	18	-	306	-	519	-	175	514	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7,482	295	200	241	14,840
November	3,450	221	66	115	6,840
December	1,944	121	11	62.7	3,860
Calendar year 1935	96,028.5	677	.3	263	190,500
January	852.4	114	.5	27.5	1,690
February	745	136	7	25.7	1,480
March	7,512	325	138	242	14,900
April	14,550	687	321	485	28,860
May	17,308	621	509	558	34,330
June	18,555	738	519	618	36,800
July	17,063	675	132	550	33,840
August	14,152	574	183	457	28,070
September	11,385	509	71	380	22,580
Water year 1935-36	114,998.4	738	.5	314	228,100

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 1936.

Extremes.- Maximum discharge during year, 12,600 second-feet Sept. 11 (gage height, 7.45 feet); minimum, 37 second-feet Jan. 22 (gage height, 2.42 feet); minimum daily discharge, 40 second-feet Jan. 21, 22.
1911-36: Maximum discharge, about 132,000 second-feet Jan. 20, 1916 (gage height, 19.5 feet); discharge, less than one second-foot in summer of various years prior to 1929.

Remarks.- Records good. Discharge for Dec. 1-3 computed on basis of partial records, one discharge measurement, and records for related stations. Major diversions for irrigation above station. No regulation in the basin above this station and below Coolidge Dam.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	296	225	130	105	167	148	368	622	494	731	236	590
2	290	225	125	82	140	180	368	632	494	664	309	643
3	284	225	120	72	140	198	368	632	494	654	552	632
4	296	211	116	69	174	211	375	622	494	632	612	514
5	290	188	105	62	163	216	389	601	494	612	654	469
6	284	163	105	53	126	225	382	601	494	612	570	494
7	278	159	105	60	102	251	361	590	504	612	632	485
8	290	184	116	58	94	251	361	580	504	643	872	570
9	302	163	116	56	88	262	361	580	504	664	1,870	485
10	321	156	109	56	82	284	396	590	504	664	1,700	504
11	321	156	105	53	82	272	436	590	514	696	685	2,320
12	327	159	109	51	170	302	419	542	523	643	607	3,350
13	321	159	105	51	593	309	419	542	542	570	477	772
14	302	156	112	49	248	309	436	542	542	552	523	469
15	296	156	112	47	658	302	444	552	532	561	580	396
16	267	152	105	47	1,850	315	504	561	532	570	590	428
17	241	156	96	46	1,100	309	532	552	523	580	590	436
18	226	159	74	42	491	302	532	552	542	612	654	542
19	236	163	105	42	504	302	542	542	612	612	766	744
20	220	144	156	42	651	302	561	561	612	622	1,340	411
21	225	126	198	40	538	332	590	561	664	612	863	436
22	230	126	394	40	290	731	643	542	674	632	523	389
23	236	129	334	97	191	718	654	590	664	708	542	389
24	220	136	216	109	144	504	696	601	664	622	542	428
25	225	390	144	105	122	523	685	590	674	834	617	411
26	230	584	119	94	85	494	664	590	674	1,940	905	403
27	230	295	105	99	88	382	654	580	685	566	552	580
28	225	211	144	112	94	321	654	580	696	340	532	411
29	220	171	129	240	94	321	654	523	708	428	524	396
30	236	148	133	979	-	315	622	494	720	437	532	396
31	246	-	129	342	-	315	-	494	-	246	612	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,210	327	220	265	16,280
November	5,775	584	126	192	11,450
December	4,271	394	74	138	8,470
Calendar year 1935	174,627	9,470	39	478	346,400
January	3,400	979	40	110	6,740
February	9,269	1,850	82	320	18,380
March	10,206	731	148	329	20,240
April	15,070	696	361	502	29,890
May	17,731	632	494	572	35,170
June	17,277	720	494	576	34,270
July	19,871	1,940	246	641	39,410
August	21,563	1,870	236	696	42,770
September	19,493	3,350	389	650	38,660
Water year 1935-36	152,136	3,350	40	416	301,730

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 1936, head on crest of dam only.

Extremes.- Maximum head during year, 1.8 feet Sept. 11; no flow over dam for long periods. 1923-36: Maximum head, 8.0 feet Sept. 28, 1926; no flow over dam parts of each year.

Remarks.- Record estimated for Aug. 9, 10 on basis of recorded range in stage and records for station at Kelvin. Florence-Casa Grande Canal diverts water at this dam. Many other diversions for irrigation upstream. No regulation in the basin above this station and below Coolidge Dam. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1					-	-				0.01	-	-
2					-	-				-	-	(*)
3					-	-				-	0.02	(*)
4					(*)	-				-	.01	-
5					0.01	-				-	.04	-
6					-	-				-	-	-
7					-	-				-	-	-
8					-	-				-	.15	0.01
9					-	-				-	.35	-
10					-	-				-	.50	-
11					-	-				-	-	.07
12					-	-				(*)	.04	.59
13					.16	-				-	-	.04
14					-	-				-	-	-
15					.17	-				-	(*)	-
16					.57	-				-	-	-
17					.38	-				-	-	-
18					.23	-				-	-	-
19					.20	-				-	(*)	.02
20					.21	-				-	.40	-
21					.21	(*)				-	.09	(*)
22			0.02		.04	0.05				-	-	-
23					-	.14				-	-	-
24					-	-		(*)		-	-	-
25		0.17			-	(*)				-	-	-
26		.20			-	.03				.63	.10	-
27		(*)			-	-				.17	-	-
28		-			-	-				-	-	-
29		-			-	-				-	-	-
30		-		0.15	-	-				.02	-	-
31		-		-	-	-				.07	-	-

*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 5.0 feet below average elevation of crest of dam, which is 753.8 feet above mean sea level (from benchmark of Gillespie Land & Irrigation Co.).

Drainage area.- 49,700 square miles.

Records available.- August 1921 to September 1936.

Extremes.- Maximum discharge during year, 3,240 second-feet July 29 (height over crest of dam, 0.90 foot); no flow part of year.
1921-36: 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, 183,500 acre-feet, an increase of 80,500 acre-feet since 1935).

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0	0	40	106	126			0	0	125	0
2	0	0	0	69	87	87			0	0	126	0
3	5	0	0	40	53	69			0	0	19	0
4	0	0	0	29	53	40			0	0	127	0
5	0	0	0	29	55	29			0	0	75	0
6	0	0	0	40	116	9			0	0	0	0
7	0	0	0	40	126	0			0	0	0	0
8	0	0	0	40	106	0			0	0	0	0
9	0	0	0	29	53	0			0	0	98	0
10	0	0	0	53	53	0			0	0	0	0
11	0	0	0	53	40	0			0	0	120	0
12	0	0	0	20	53	0			0	0	77	0
13	0	0	0	34	78	0			0	0	0	0
14	0	0	0	87	69	0			0	0	0	260
15	0	0	0	87	78	17			0	0	0	0
16	0	0	8	46	126	62			0	0	0	0
17	0	0	5	1	211	0			0	0	0	0
18	0	0	9	0	513	0			0	0	164	0
19	0	0	0	0	394	0			0	0	0	0
20	0	0	8	0	305	0			4	0	210	0
21	0	0	20	0	234	0			0	0	0	0
22	0	0	29	0	189	0			0	0	0	0
23	0	0	13	0	146	0			0	0	0	0
24	0	0	29	0	146	0			0	0	0	0
25	0	0	53	0	126	0			0	0	0	0
26	0	0	69	2	386	0			0	162	0	0
27	0	0	40	3	1,220	0			0	450	0	0
28	0	105	53	3	274	0			0	954	23	0
29	0	0	53	28	126	0			0	2,390	0	0
30	0	0	69	87	-	0			0	798	0	0
31	0	-	40	87	-	0			-	317	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5	5	0	0.2	10
November	105	105	0	3.5	208
December	498	69	0	16.1	988
Calendar year 1935	64,320	6,280	0	176	127,600
January	947	87	0	30.5	1,880
February	5,522	1,220	40	190	10,950
March	439	126	0	14.2	871
April	0	0	0	0	0
May	0	0	0	0	0
June	4	4	0	.1	8
July	5,071	2,390	0	164	10,060
August	1,164	210	0	37.5	2,310
September	260	260	0	8.7	516
Water year 1935-36	14,015	2,390	0	38.3	27,800

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.
Drainage area.- 58,100 square miles.
Records available.- May 1929 to September 1936. October 1903 to December 1906 at a station 4 miles upstream.
Extremes.- No flow during year.
1929-36: 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.- No flow during water year 1935-36. Mean discharge during calendar year 1935, 8.1 second-feet (run-off, 5,900 acre-feet). Diversions for irrigation above station. No regulation in the basin above this station and below Gillespie Dam.

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 1936 at present site. October 1930 to February 1934 at site 4⅛ miles upstream in reports of U. S. Geological Survey; October 1927 to December 1931 in reports of State engineer.
Extremes.- Maximum discharge during year, 735 second-feet Sept. 27 (gage height, 3.51 feet); minimum daily discharge, 11 second-feet July 1.
1930-36: Maximum discharge, about 4,400 second-feet Sept. 16, 1931 (gage height, 8.16 feet, former site and datum); minimum daily discharge, 7.7 second-feet June 21, 1934.
Remarks.- Records fair except those for Jan. 15 to Feb. 1, which are poor and were computed on basis of records for Gila River near Gila and near Red Rock, gage heights, and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	33	33	35	45	60	130	66	29	11	57	38
2	33	35	33	31	33	64	124	64	28	13	84	44
3	29	37	33	28	37	69	121	74	23	15	87	37
4	29	35	33	28	33	71	121	79	25	17	76	31
5	35	27	37	29	27	79	124	84	21	15	62	27
6	35	27	40	35	25	89	118	66	21	16	42	27
7	37	34	37	35	24	89	118	57	18	18	28	23
8	35	29	35	33	25	84	109	57	16	17	24	24
9	37	37	33	27	26	84	112	48	18	25	19	27
10	37	31	33	26	27	87	118	42	21	44	15	26
11	29	35	33	27	26	87	115	40	23	71	13	244
12	28	33	33	26	27	87	124	40	24	35	18	150
13	27	29	33	24	37	87	127	40	24	22	30	48
14	27	28	33	23	50	84	134	42	22	18	27	37
15	31	31	31	25	46	84	134	42	25	14	26	27
16	35	29	31	27	112	81	134	44	25	16	23	23
17	37	28	29	28	277	87	130	40	27	40	23	43
18	31	29	26	27	97	87	124	42	25	37	26	74
19	35	29	25	25	69	74	127	38	24	26	43	64
20	31	31	35	22	66	79	130	37	21	25	53	40
21	37	31	60	21	60	79	118	42	19	29	84	50
22	42	29	60	20	50	89	112	38	18	44	144	62
23	44	28	44	20	46	97	112	37	13	50	53	48
24	46	28	44	21	50	92	112	29	12	40	26	40
25	40	42	40	21	79	89	103	29	14	48	21	37
26	40	48	38	22	92	89	100	28	16	74	27	93
27	40	40	37	23	69	87	89	28	16	62	18	361
28	38	33	38	24	64	84	81	29	16	55	55	74
29	37	31	38	25	62	81	76	29	16	50	94	40
30	38	31	33	40	-	103	71	29	12	53	66	31
31	37	-	35	60	-	124	-	29	-	53	42	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,099	46	27	35.5	2,180
November	958	48	24	31.9	1,900
December	1,123	60	25	36.2	2,230
Calendar year 1935	18,725	297	10	51.3	37,160
January	858	60	20	27.7	1,700
February	1,681	277	24	58.0	3,330
March	2,627	124	60	84.7	5,210
April	3,448	134	71	115	6,840
May	1,389	84	28	44.8	2,760
June	612	29	12	20.4	1,210
July	1,053	74	11	34.0	2,090
August	1,406	144	13	45.4	2,790
September	1,890	361	23	63.0	3,750
Water year 1935-36	18,144	361	11	49.6	35,990

San Francisco River at Clifton, Ariz.

Location.- Water-stage recorder, lat. 33°3'0", 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. benchmark).

Drainage area.- 2,790 square miles.

Records available.- July 1927 to October 1933, May 1935 to September 1936. Fragmentary record October 1910 to July 1918 at several different points within 2 miles upstream.

Extremes.- Maximum discharge during year, 3,700 second-feet Feb. 17 (gage height, 8.98 feet); minimum, 19 second-feet July 3 (gage height, 2.10 feet).
1927-36: Maximum discharge, about 8,600 second-feet Aug. 28, 1934 (gage height, 12.5 feet, from floodmarks); probably no flow at times in 1934; minimum discharge recorded, 15 second-feet June 24, 1929.

Remarks.- Records good. Discharge for Oct. 1, 2 computed on basis of records for related stations. Diversions for irrigation and municipal supply above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	100	57	80	84	159	206	318	183	64	25	70	100
2	80	57	80	80	128	214	309	168	60	22	70	84
3	75	58	77	77	142	218	290	160	59	21	106	92
4	72	58	77	74	167	224	290	168	55	25	96	73
5	69	58	84	75	135	228	309	164	52	26	71	66
6	65	58	89	76	114	242	312	164	49	24	62	59
7	63	60	86	77	100	247	293	147	45	24	47	114
8	60	66	81	79	94	239	272	141	41	25	44	120
9	62	72	79	77	90	234	270	133	37	29	133	96
10	60	71	76	75	88	239	270	122	35	94	86	64
11	55	70	75	70	85	242	278	111	34	154	58	1,220
12	56	69	75	71	94	250	296	101	109	96	52	435
13	55	69	76	69	506	242	315	94	62	62	46	173
14	55	66	75	69	420	234	331	92	49	54	50	120
15	56	66	71	68	392	231	331	89	47	52	61	94
16	55	66	70	69	1,040	221	334	87	45	52	40	82
17	54	66	68	69	2,010	216	325	83	45	47	40	73
18	53	66	68	69	860	214	338	79	46	50	42	99
19	54	66	66	68	516	199	338	77	45	73	58	156
20	55	65	98	65	431	190	338	72	40	50	213	140
21	54	64	340	64	341	190	321	71	38	49	116	111
22	54	63	181	64	278	208	293	74	36	59	100	116
23	55	63	139	64	253	264	284	71	35	57	166	103
24	55	64	115	64	272	244	272	66	32	53	80	83
25	56	91	102	65	296	228	261	65	29	214	90	73
26	56	212	92	66	306	221	250	70	30	300	90	166
27	56	132	88	68	264	199	239	69	28	130	65	449
28	56	102	85	66	228	185	218	68	28	84	71	234
29	56	89	85	81	214	183	206	64	29	64	184	138
30	55	82	84	226	-	218	192	65	28	56	185	112
31	55	-	82	194	-	275	-	70	-	59	131	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,662	100	53	60.1	3,690
November	2,246	212	57	74.9	4,450
December	2,944	340	66	95.0	5,840
Calendar year 1935					
January	2,483	226	64	80.1	4,920
February	10,023	2,010	85	346	19,880
March	6,946	275	183	224	13,760
April	8,693	338	192	290	17,240
May	3,188	183	64	103	6,320
June	1,332	109	28	44.4	2,640
July	2,130	300	21	68.7	4,220
August	2,723	213	40	87.8	5,400
September	5,045	1,220	59	168	10,010
Water year 1935-36	49,614	2,010	21	136	98,390

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 1935 to September 1936. August 1919 to September 1925 at a station 3½ miles downstream.

Extremes.- Maximum discharge during year, 3,600 second-feet Aug. 18 (gage height, 10.85 feet); no flow during most of year.
1919-25, 1931-36: Maximum discharge, 5,350 second-feet July 21, 1923; no flow greater part of each year.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0		0					0	0	0
2			0		0					0	0	0
3			0		0					0	40	0
4			0		0					0	8	0
5			0		0					0	0	0
6			0		0					0	0	0
7			0		0					0	0	0
8			0		0					0	0	0
9			0		0					0	0	0
10			0		0					0	0	0
11			0		0					0	0	0
12			0		0					0	0	2
13			0		0					0	0	10
14			0		0					0	0	0
15			0		9					0	0	0
16			0		3					0	0	0
17			0		0					0	0	0
18			0		0					0	480	0
19			0		0					0	160	0
20			0		0					0	60	50
21			2		0					0	2	100
22			0		0					0	0	0
23			0		0					0	0	0
24			0		0					0	0	0
25			0		0					60	0	0
26			0		0					30	0	90
27			0		0					20	0	70
28			0		0					0	60	6
29			0		0					0	10	0
30			0		-					0	0	0
31			0		-					0	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	2	2	0	.1	4
Calendar year					
January	0	0	0	0	0
February	12	9	0	.4	24
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	110	60	0	3.5	218
August	820	480	0	26.5	1,630
September	328	100	0	10.9	651
Water year 1935-36	1,272	480	0	3.5	2,530

San Simon Creek near Solomonsville, Ariz.

Location.- Water-stage recorder, lat. 32°48'0", 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 1935 to September 1936.

Extremes.- Maximum discharge during year, about 10,600 second-feet Sept. 10 (gage height, 15.0 feet); no flow on many days.
1931-36: Maximum discharge, 27,500 second-feet Aug. 9, 1931 (gage height, 19.0 feet); no flow on many days each year.

Remarks.- Records fair except those for Aug. 2 and 28, which were computed on basis of partial gage-height record and are poor. 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	0	0			0	0	0	70	12
2		0	0	0	0			0	0	0	80	14
3		0	0	0	0			0	0	0	108	0
4		0	0	0	0			0	0	0	129	0
5		0	0	0	0			0	0	0	49	0
6		0	0	0	0			0	0	0	0	0
7		0	0	0	0			0	0	0	0	0
8		0	0	0	0			0	0	0	190	0
9		0	0	0	0			0	0	0	41	0
10		0	0	0	0			0	0	7	1	980
11		0	0	0	0			0	0	0	0	210
12		0	0	0	0			0	0	0	0	7
13		0	0	0	0			0	0	0	0	0
14		0	0	0	0			0	0	0	0	0
15		0	0	0	0			0	0	0	0	0
16		0	0	0	0			0	0	0	0	0
17		0	0	0	2			0	0	0	0	0
18		0	0	0	0			0	0	0	0	0
19		0	0	0	0			0	0	0	1,080	0
20		0	1	0	0			0	0	0	821	100
21		0	8	0	0			0	0	0	60	280
22		0	0	0	0			0	0	1	0	150
23		0	0	0	0			0	0	1	0	2
24		0	0	0	0			0	0	0	0	0
25		1	0	0	0			7	0	510	0	0
26		0	0	0	0			0	0	910	0	0
27		0	0	0	0			0	0	310	0	20
28		0	0	0	0			0	50	296	180	100
29		0	0	1	0			0	10	0	1	2
30		0	0	2	-			0	0	0	50	0
31		-	0	0	-			0	-	10	1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	1	1	0	.03	2
December	9	8	0	.3	18
Calendar year					
January	3	2	0	.1	6
February	2	2	0	.1	4
March	0	0	0	0	0
April	0	0	0	0	0
May	7	7	0	.2	14
June	60	50	0	2.0	119
July	2,045	910	0	66.0	4,060
August	2,861	1,080	0	92.3	5,670
September	1,877	980	0	62.6	3,720
Water year 1935-36	6,865	1,080	0	18.8	13,610

San Carlos River near Peridot, Ariz.

Location.- Water-stage recorder, lat. 33°16'0", 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 benchmark of Southern Pacific Railroad).

Drainage area.- 1,070 square miles.

Records available.- March 1929 to September 1936. Fragmentary record August 1910 to January 1911 and April 1914 to September 1915 at a station 5½ miles downstream.

Extremes.- Maximum discharge during year, 14,400 second-feet Feb. 17 (gage height, 8.8 feet); no flow during parts of June and July.
1929-36: Maximum discharge, that of Feb. 17, 1936; no flow on several days of most years.
Greatest known flood (estimated), 25,000 second-feet about Jan. 18, 1916.

Remarks.- Records good. Discharge for Sept. 2-7 computed on basis of partial gage-height record and weather records. Minor diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	9	12	22	58	55	45	6	2	0.5	23	1
2	4	8	13	19	36	42	42	7	1	.4	47	1
3	5	8	14	17	29	42	40	6	1	.3	37	1
4	5	10	16	18	55	40	36	5	1	.2	259	1
5	5	10	16	18	40	36	31	5	1	.3	40	1
6	4	8	14	17	24	31	22	6	1	.2	10	1
7	4	9	13	18	22	29	20	5	1	.1	5	1
8	4	10	14	17	22	26	22	4	1	.4	5	25
9	4	11	17	16	22	23	18	4	1	1	5	10
10	4	10	14	16	17	20	18	3	1	.6	40	5
11	4	11	13	14	16	16	20	3	1	.5	17	109
12	3	13	13	12	18	16	19	3	1	.5	26	26
13	3	12	12	12	1,660	13	14	3	1	.5	6	11
14	3	12	11	12	669	13	12	2	1	.1	6	10
15	3	11	11	13	2,210	11	11	2	1	0	5	8
16	4	12	13	14	4,250	11	8	2	1	0	8	7
17	4	12	16	16	4,290	10	8	2	1	0	97	6
18	4	13	18	13	516	10	7	2	1	.1	40	6
19	5	13	18	13	456	10	8	2	1	0	41	6
20	5	12	19	13	1,240	10	6	2	1	.2	23	6
21	5	12	19	13	424	11	6	1	.6	.3	68	6
22	5	13	14	12	262	34	6	1	.9	1	11	5
23	6	13	14	11	186	308	7	1	1	3	5	6
24	7	13	13	10	148	201	6	1	1	.4	5	4
25	7	19	13	10	141	107	7	1	.9	107	50	4
26	7	23	13	10	156	96	7	2	.8	89	13	4
27	8	18	17	10	119	107	8	1	.8	4	4	5
28	8	14	18	10	91	81	7	1	.7	3	2	4
29	9	12	18	14	66	62	7	1	.6	2	1	4
30	8	12	19	180	-	58	7	2	.5	2	1	3
31	9	-	20	70	-	51	-	2	-	2	1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	160	9	3	5.2	317
November	363	23	8	12.1	720
December	465	20	11	15.0	922
Calendar year 1935	44,327.1	9,380	.4	121	87,910
January	660	180	10	21.3	1,310
February	17,243	4,290	16	595	34,200
March	1,580	308	10	51.0	3,130
April	475	45	6	15.8	942
May	88	7	1	2.8	175
June	28.8	2	.5	.96	57
July	219.6	107	0	7.08	436
August	901	259	1	29.0	1,790
September	287	109	1	9.6	569
Water year 1935-36	22,470.4	4,290	0	61.4	44,570

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 1935 to September 1936.

Extremes.- Maximum discharge during year, about 13,500 second-feet Sept. 10 (gage height, 10.15 feet); minimum, 0.8 second-foot June 22.
1930-36: Maximum discharge, that of Sept. 10, 1936; no flow June 29 and July 1, 1930.

Remarks.- Records good except those for Nov. 25-29, Dec. 20 to Jan. 11, and June 28 to Sept. 30, which were computed on basis of partial gage-height record, several discharge measurements, and records for station at Charleston and are poor. No diversions above station in Arizona and probably none in Mexico.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	5	11	9	11	8	3	3	2	5	270	10
2	8	6	10	9	11	9	3	3	2	5	120	10
3	8	6	10	9	10	9	3	3	2	4	30	10
4	8	6	9	9	10	7	4	3	2	4	15	10
5	8	6	10	9	9	7	4	3	2	3	10	10
6	8	6	9	9	10	8	4	3	2	3	9	10
7	8	6	8	8	10	8	4	2	2	3	8	10
8	7	6	8	8	9	7	4	2	1	3	8	10
9	7	6	8	8	9	8	4	2	1	209	120	9
10	7	6	9	8	9	8	3	2	1	119	25	3,100
11	6	6	8	8	9	7	3	2	1	9	10	940
12	6	6	8	8	9	6	4	2	1	7	5	100
13	6	6	8	8	10	5	3	2	1	5	5	50
14	6	6	8	8	10	5	3	2	1	4	5	20
15	5	6	8	9	10	5	3	2	1	4	4	20
16	5	6	8	9	10	4	3	2	1	3	4	10
17	5	6	8	8	10	6	4	2	1	3	4	10
18	5	6	8	9	10	5	4	2	1	3	10	10
19	5	6	8	9	10	4	4	2	1	5	880	10
20	5	6	455	10	10	4	4	2	1	10	70	10
21	5	6	230	10	9	4	4	2	1	20	40	10
22	5	6	30	10	9	4	4	2	1	20	50	10
23	5	6	15	10	9	4	3	2	1	360	20	10
24	5	6	15	10	9	4	3	2	1	180	10	10
25	6	253	14	10	9	4	3	3	1	260	10	9
26	6	135	13	10	9	4	3	3	1	270	130	9
27	6	20	12	10	9	4	3	2	1	30	200	9
28	6	15	11	10	9	4	3	2	185	15	40	9
29	6	15	10	11	8	4	3	2	177	5	20	9
30	6	12	10	13	-	4	3	2	10	120	20	9
31	5	-	10	12	-	3	-	2	-	470	20	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	192	8	5	6.2	381
November	593	253	5	19.8	1,180
December	989	455	8	31.9	1,960
Calendar year					
January	288	13	8	9.3	571
February	276	11	8	9.5	547
March	173	9	3	5.6	343
April	103	4	3	3.4	204
May	70	3	2	2.3	139
June	406	185	1	13.5	805
July	2,161	470	3	69.7	4,290
August	2,172	880	4	70.1	4,310
September	4,463	3,100	9	149	8,850
Water year 1935-36	11,886	3,100	1	32.5	23,580

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 benchmark).

Drainage area.- 1,480 square miles.

Records available.- May 1928 to December 1933, May 1935 to September 1936. Several stations have been maintained at various locations both upstream and downstream, 1904-6 and 1910-28.

Extremes.- Maximum discharge during year, 13,000 second-feet Sept. 11 (gage height, 9.5 feet); minimum, 2 second-feet June 20.

1928-36: Maximum discharge, 24,500 second-feet Aug. 9, 1931 (gage height, 12.0 feet); minimum, 2 second-feet in June or July of several years.

Maximum discharge known, about 98,000 second-feet Sept. 28, 1926 (gage height, 21.9 feet, from floodmarks).

Remarks.- Records good. Discharge for Oct. 1-4 and July 12-17 computed on basis of weather records and partial gage-height record. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	11	32	28	21	20	18	11	7	14	90	170
2	20	14	27	28	21	21	17	11	7	12	280	260
3	20	14	25	30	22	20	18	10	6	11	390	130
4	20	15	27	28	23	20	15	11	6	9	80	24
5	20	15	24	28	22	19	17	10	6	8	18	20
6	18	15	20	25	25	17	16	9	5	8	28	320
7	16	13	24	27	32	17	17	8	4	7	24	140
8	14	14	20	27	34	17	18	9	4	7	460	40
9	15	15	19	28	28	15	15	10	4	8	260	50
10	17	16	20	28	27	17	16	10	3	480	120	1,600
11	16	14	20	25	28	17	16	10	4	50	120	3,400
12	16	15	21	24	28	16	15	9	4	10	30	308
13	12	16	21	23	30	15	14	8	4	9	30	146
14	15	16	23	22	27	15	15	8	3	8	90	72
15	14	20	17	23	24	15	16	8	4	7	70	47
16	14	19	16	23	25	16	15	8	4	6	32	36
17	12	20	17	23	25	17	15	8	4	6	26	48
18	11	20	18	20	24	19	15	8	4	6	22	36
19	13	18	20	22	25	19	14	7	4	50	970	34
20	12	17	225	28	25	20	14	7	3	120	340	32
21	12	20	630	24	25	20	15	8	3	140	124	117
22	12	21	69	24	24	20	14	9	4	10	180	96
23	11	22	30	20	23	20	13	8	4	210	95	50
24	11	21	30	21	22	20	13	6	4	380	70	40
25	11	190	30	22	21	22	13	8	4	740	65	32
26	10	440	27	21	20	24	13	8	3	290	60	34
27	11	30	27	21	20	24	12	9	4	73	770	36
28	12	28	27	23	20	22	13	8	15	30	210	30
29	12	30	27	22	20	18	13	8	420	16	170	30
30	11	30	30	23	-	17	12	7	20	13	110	30
31	10	-	30	22	-	18	-	8	-	470	80	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	438	20	10	14.1	869
November	1,149	440	11	38.3	2,280
December	1,595	630	17	51.5	3,160
Calendar year					
January	753	30	20	24.3	1,490
February	711	34	20	24.5	1,410
March	577	24	15	18.6	1,140
April	447	18	12	14.9	887
May	267	11	6	8.6	530
June	571	420	3	19.0	1,130
July	3,208	740	6	103	6,360
August	5,414	970	18	175	10,740
September	7,408	3,400	20	247	14,690
Water year 1935-36	22,538	3,400	3	61.6	44,690

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 1936.

Extremes.- Maximum discharge during year, 10,400 second-feet Sept. 11; no flow during part of year.
1931-36: Maximum discharge, 19,400 second-feet Oct. 2, 1931 (gage height, 11.1 feet); no flow during part of each year.
Greatest known flood (estimated), 90,000 second-feet Sept. 28, 1926.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	26	0	44	71	14	*2			0	20	146	1
2	27	0	15	50	11	*1			0	5	267	106
3	*15	0	15	37	21	1			0	2	107	*62
4	*10	0	14	21	20	1			0	1	293	*25
5	*7	0	11	16	10	0			0	0	†100	*10
6	*5	0	†7	10	3	1			0	0	†30	*5
7	*3	0	†5	16	2	0			0	0	†10	*3
8	*2	0	†5	21	1	0			0	0	†40	*1
9	*1	0	†5	20	1	0			0	0	†920	*0
10	*0	†10	*3	12	†1	2			0	30	1,300	*0
11	*0	7	*3	*7	†3	0			0	†90	1,360	2,350
12	*0	5	*3	*4	3	0			0	†20	95	1,440
13	*0	3	*3	*3	†2	0			0	†10	24	523
14	0	1	*3	*3	†2	0			0	1	12	141
15	0	1	*2	*3	†3	0			0	0	138	37
16	0	0	*2	*3	391	0			0	0	†10	24
17	0	0	*2	*2	192	0			0	0	†240	9
18	0	0	*2	*2	115	0			0	0	†690	104
19	0	0	*2	*2	110	0			0	0	348	9
20	0	0	†10	*2	262	0			0	0	928	7
21	0	0	152	1	183	*0			0	0	240	4
22	0	0	400	1	52	*0			0	4	132	2
23	0	0	104	1	12	*5			0	32	8	4
24	0	0	116	1	*11	3			0	12	3	9
25	0	10	175	2	*10	3			0	350	1	3
26	0	171	124	2	*8	2			0	1,170	†20	3
27	0	404	82	1	*7	0			0	227	0	2
28	0	170	94	3	*5	0			0	60	7	2
29	0	68	82	33	*4	1			0	15	25	0
30	0	57	71	85	-	1			130	23	17	0
31	0	-	71	18	-	0			-	12	4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	96	27	0	3.1	190
November	907	404	0	30.2	1,800
December	1,625	400	2	52.4	3,220
Calendar year 1935	25,152	4,450	0	68.9	49,890
January	453	85	1	14.6	899
February	1,459	391	1	50.3	2,890
March	23	5	0	.7	46
April	0	0	0	0	0
May	0	0	0	0	0
June	130	130	0	4.3	258
July	2,084	1,170	0	67.2	4,130
August	7,515	1,360	0	242	14,910
September	4,886	2,350	0	163	9,690
Water year 1935-36	19,178	2,350	0	52.4	38,030

*Computed on basis of partial gage-height record, weather records, and flow at related stations.

†Determined from gage heights computed from partial record.

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 1936 (discharge measurements only). October 1933 to September 1934 published as miscellaneous measurements. April to August 1890, monthly discharge, published as "San Pedro River at Dudleyville, Ariz."

Remarks.- Diversions for irrigation above station.

Discharge measurements, in second-feet, water year 1935-36

Oct.	1	46.2
	14	11.2
	28	13.7
Nov.	11	24.0
Dec.	3	42.0
	9	30.8
Jan.	6	43.0
	20	23.0
Feb.	3	42.4
	12	33.0
	22	114
Mar.	2	25.9
	12	11.5
	23	96.7
Apr.	2	7.4
	13	3.2
	22	1.5
May	4	.4
	12	.08
	22	.02
June	2	0
	12	0
	22	0
July	2	7.5
	13	27.1
	22	10.2
Aug.	12	56.6
Sept.	16	60.9
	22	18.3

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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 1936. April 1919 to September 1921 at station 6 miles downstream.

Extremes.- Maximum discharge during year, 6,500 second-feet July 25 (gage height, 9.1 feet); minimum, 2 second-feet July 7.
1931-36: Maximum discharge, 10,000 second-feet Aug. 15, 1935 (gage height, 10.9 feet); minimum, 1 second-foot Sept. 12, 13, 1934, July 28, 29, 1935.
A maximum discharge of 20,000 second-feet occurred Aug. 2, 1919.

Remarks.- Records good. Discharge interpolated Oct. 2-13. Diversions for irrigation above and below station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12	14	20	16	35	25	21	11	7	4	14	4
2	12	14	17	16	30	24	18	11	6	3	17	170
3	12	14	15	16	30	22	17	10	6	3	21	56
4	12	14	15	15	23	22	17	10	6	3	65	21
5	11	14	16	14	21	21	25	10	6	3	45	14
6	11	12	16	14	21	20	22	10	6	3	25	12
7	11	10	15	14	21	19	20	10	5	3	25	107
8	10	16	15	14	21	18	18	10	5	3	20	15
9	10	16	16	14	21	18	16	10	5	12	200	10
10	10	17	15	15	20	17	14	9	5	14	15	10
11	10	16	14	14	20	16	14	8	5	26	14	50
12	9	14	14	14	36	15	14	8	5	14	13	44
13	9	14	14	14	37	14	15	8	5	12	12	75
14	9	14	14	14	29	13	14	8	5	11	11	16
15	10	12	15	14	730	13	13	8	5	10	13	14
16	10	12	15	14	341	15	14	8	6	10	10	12
17	10	12	14	14	135	16	14	8	5	10	11	12
18	10	12	15	14	78	14	14	7	5	10	21	17
19	10	12	15	15	120	12	14	7	5	9	14	50
20	10	10	17	15	400	12	13	7	4	9	19	67
21	10	8	18	16	160	112	12	7	4	38	15	33
22	10	7	16	15	79	51	13	8	4	176	14	24
23	10	6	16	15	51	107	12	8	4	46	14	16
24	10	10	16	16	36	40	11	7	4	15	11	14
25	11	48	16	16	28	44	11	7	4	430	10	13
26	12	102	16	15	27	47	12	7	4	140	7	66
27	12	32	16	15	26	40	12	7	4	26	8	143
28	12	26	16	16	25	34	11	7	4	21	6	20
29	12	24	16	290	24	31	12	7	4	19	6	15
30	12	22	16	330	-	29	11	6	4	18	7	14
31	14	-	16	49	-	24	-	6	-	16	5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	333	14	9	10.7	660
November	554	102	6	18.5	1,100
December	485	20	14	15.6	962
Calendar year 1935	18,856	1,700	1	51.7	37,410
January	1,083	330	14	34.9	2,150
February	2,625	730	20	90.5	5,210
March	905	112	12	29.2	1,800
April	444	25	11	14.8	881
May	255	11	6	8.2	506
June	147	7	4	4.9	292
July	1,117	430	3	36.0	2,220
August	688	200	5	22.2	1,360
September	1,134	170	4	37.8	2,250
Water year 1935-36	9,770	730	3	26.7	19,390

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 5⅛ miles east of Nogales.

Drainage area.- 473 square miles.

Records available.- May 1930 to December 1933, July 1935 to September 1936. Fragmentary records March to November 1907, April 1909 to June 1920, at station 5¼ miles downstream. April 1921 to June 1922 at station 8 miles downstream.

Extremes.- Maximum discharge during year, 4,600 second-feet Aug. 9 (gage height, 7.34 feet); no flow June 13-25.
1930-36: Maximum discharge, 14,000 second-feet Aug. 31, 1935 (gage height, 12.3 feet); no flow on several days or parts of days each year.

Remarks.- Records good. Discharge interpolated Nov. 13-16. Minor diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	11	21	18	12	8	5	1	0.2	0.3	15	96
2	11	11	20	17	12	8	6	1	.2	.2	14	25
3	10	12	19	17	12	8	6	1	.2	.2	61	7
4	9	12	18	17	12	8	6	1	.2	.2	197	4
5	10	14	18	17	12	7	6	1	.2	.2	64	3
6	10	14	18	17	12	7	5	1	.2	.2	22	17
7	10	17	18	17	11	6	5	.7	.2	.1	24	15
8	8	15	17	17	11	7	5	1	.2	6	191	8
9	9	14	17	16	12	6	5	1	.2	137	559	6
10	9	13	16	16	12	6	4	1	.1	7	466	19
11	9	12	15	15	12	5	4	.9	.1	2	69	49
12	8	12	14	15	11	5	3	.9	.1	1	28	35
13	8	12	15	14	12	5	3	.9	0	1	21	26
14	8	12	13	14	14	5	3	.7	0	.9	107	19
15	9	12	12	14	13	6	3	.6	0	.9	33	14
16	10	12	12	12	12	5	3	.5	0	1	14	10
17	10	12	12	11	14	4	2	.5	0	1	162	9
18	10	12	12	10	15	5	3	.4	0	1	69	6
19	10	12	14	10	15	6	2	.4	0	1	17	3
20	10	12	48	10	15	5	2	.4	0	1	41	4
21	10	12	100	10	14	5	2	.4	0	24	24	3
22	10	10	39	10	14	5	2	.4	0	3	16	2
23	10	10	28	9	12	6	2	.5	0	217	11	2
24	10	9	26	8	12	5	2	.4	0	260	8	2
25	10	34	25	7	10	6	1	.4	0	656	6	1
26	10	29	24	7	10	6	1	.3	172	606	5	.9
27	10	28	22	8	10	6	1	.3	6	44	12	.5
28	10	23	21	8	10	6	1	.3	1	21	11	.5
29	10	20	20	12	8	6	1	.3	.5	18	8	.6
30	10	20	19	12	-	5	1	.3	.4	18	6	.5
31	10	-	18	12	-	5	-	.2	-	17	2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	301	13	8	9.7	597
November	448	34	9	14.9	889
December	691	100	12	22.3	1,370
Calendar year					
January	397	18	7	12.8	787
February	351	15	8	12.1	696
March	183	8	4	5.9	363
April	95	6	1	3.2	188
May	19.7	1	.2	.64	39
June	182.0	172	0	6.07	361
July	2,046.2	656	.1	66.0	4,060
August	2,283	559	2	73.6	4,530
September	388.0	96	.5	12.9	770
Water year 1935-36	7,384.9	656	0	20.2	14,650

Santa Cruz River at Tucson, Ariz.

Location.- Water-stage recorder, lat. 32°13'15", long. 110°59'0", 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 1936.

Extremes.- Maximum discharge during year, 5,400 second-feet July 26 (gage height, 10.00 feet); no flow during most of year.
1905-36: Maximum discharge, 11,400 second-feet Sept. 28, 1926 (gage height, 12.2 feet); no flow during most of each year.

Remarks.- Records fair. Discharge for Dec. 31 to Jan. 2, July 9, 10, July 28 to Aug. 3 computed on basis of partial gage-height record and weather records. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	0	1	2					0	2	0
2		0	0	1	1					0	0	20
3		0	0	1	2					0	2	1
4		0	1	2	2					0	10	0
5		0	1	2	2					0	0	0
6		0	1	1	2					0	25	0
7		0	1	0	3					0	4	0
8		0	1	0	2					0	300	0
9		0	1	0	2					2	280	0
10		0	0	0	2					2	360	0
11		0	0	0	2					0	40	0
12		0	0	0	0					0	10	40
13		0	0	0	0					0	1	300
14		0	0	0	0					0	3	1
15		0	0	0	1					0	2	0
16		0	0	0	2					0	0	0
17		0	0	0	4					0	172	6
18		0	0	0	4					0	402	35
19		0	0	0	6					0	15	1
20		0	8	0	3					0	0	0
21		0	48	0	4					0	40	0
22		0	1	0	4					0	2	0
23		0	2	0	3					0	0	0
24		0	1	0	4					0	0	0
25		230	1	0	4					330	0	0
26		70	1	0	4					1,500	0	0
27		1	1	0	1					40	0	0
28		0	1	0	0					3	0	0
29		0	1	1	0					0	0	0
30		0	2	15	-					0	0	0
31		-	2	3	-					1	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	301	230	0	10.0	597
December	75	48	0	2.4	149
Calendar year 1935	10,641	4,620	0	29.2	21,100
January	27	15	0	.9	54
February	66	6	0	2.3	131
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	1,878	1,500	0	60.6	3,720
August	1,670	402	0	53.9	3,310
September	404	300	0	13.5	801
Water year 1935-36	4,421	1,500	0	12.1	8,760

Sonoita Creek near Patagonia, Ariz.

Location.- Water-stage recorder, lat. 31°30'0", 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 1935 to September 1936.

Extremes.- Maximum discharge during year, 3,600 second-feet Aug. 9 (gage height, 8.36 feet); minimum, 0.6 second-foot July 5.
1930-36: Maximum discharge, about 20,000 second-feet in August 1934 (gage height, 15.2 feet, from floodmarks); minimum, 0.2 second-foot Aug. 9, 1933.

Remarks.- Records fair. Minor diversions for irrigation and mining above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	6	8	9	8	8	6	4	2	1	4	5
2	11	6	8	9	8	7	6	4	2	1	3	5
3	11	6	8	9	9	7	6	4	2	1	5	6
4	11	6	8	9	8	7	6	4	2	1	3	6
5	8	6	8	9	8	6	5	4	2	1	61	4
6	7	6	8	9	7	6	4	4	2	1	11	3
7	6	7	8	8	7	6	4	4	2	175	164	3
8	7	12	8	8	7	6	4	4	2	3	41	3
9	7	10	8	8	7	6	5	4	2	85	504	3
10	7	9	8	8	7	6	5	4	2	6	9	5
11	6	8	8	8	7	6	5	3	2	6	11	5
12	6	8	8	8	7	6	5	3	1	6	9	5
13	6	9	8	8	8	6	5	3	2	6	11	6
14	6	8	8	8	8	6	5	3	2	5	8	6
15	6	8	8	7	8	6	5	2	2	5	7	5
16	6	8	8	7	8	6	5	2	2	5	6	5
17	6	7	8	7	8	6	5	2	2	5	51	5
18	6	6	8	7	7	6	5	2	2	5	4	6
19	5	6	8	7	14	6	5	2	2	5	5	4
20	5	8	36	7	11	6	5	2	2	100	5	4
21	5	8	33	7	8	6	5	2	2	8	6	4
22	5	8	10	7	8	6	4	2	2	8	7	4
23	5	8	10	7	8	6	4	2	1	8	7	4
24	5	9	10	7	8	6	4	2	2	6	7	4
25	5	24	9	7	8	6	4	2	2	15	6	4
26	6	9	9	7	8	6	4	2	2	14	6	4
27	6	8	8	6	8	6	4	2	2	6	6	4
28	6	8	8	6	8	6	4	2	2	4	6	4
29	6	8	9	11	7	6	4	2	2	3	6	4
30	6	8	9	9	-	6	4	2	2	3	5	4
31	6	-	9	8	-	6	-	2	-	3	4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	205	11	5	6.6	407
November	248	24	6	8.3	492
December	312	36	8	10.1	619
Calendar year					
January	242	11	6	7.8	480
February	233	14	7	8.0	462
March	191	8	6	6.2	379
April	142	6	4	4.7	282
May	86	4	2	2.8	171
June	58	2	1	1.9	115
July	501	175	1	16.2	994
August	988	504	3	31.9	1,960
September	134	6	3	4.5	266
Water year 1935-36	3,340	504	1	9.1	6,630

Rillito Creek near Tucson, Ariz.

Location.- Water-stage recorder, lat. 32°17'45", long. 110°59'0", 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 1936.

Extremes.- Maximum discharge during year, 4,500 second-feet Aug. 17 (gage height, 8.25 feet); no flow during most of year.
1911-36: Maximum discharge, 24,000 second-feet Sept. 23, 1929; no flow during most of each year.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0		0	0					0	0	0
2		0		0	0					0	0	0
3		0		0	20					0	0	0
4		0		0	0					0	*2	0
5		0		0	0					0	0	0
6		0		0	0					0	*1	0
7		0		0	0					0	0	0
8		0		0	0					0	0	0
9		0		0	0					*2	490	0
10		0		0	0					*1	80	0
11		0		0	0					0	0	0
12		0		0	0					0	0	0
13		0		0	0					0	0	0
14		0		0	0					0	20	0
15		0		0	0					0	1	0
16		0		0	225					0	0	0
17		0		0	90					0	200	0
18		0		0	45					0	280	*5
19		0		0	*30					0	0	*1
20		0		0	*20					0	0	0
21		0		0	*10					0	0	0
22		0		0	*10					0	0	0
23		0		0	*5					0	0	0
24		0		0	0					0	0	*2
25		*10		0	0					0	0	0
26		*2		0	0					130	0	0
27		0		0	0					0	0	0
28		0		0	0					0	0	0
29		0		40	0					0	0	0
30		0		90	-					4	0	0
31		-		0	-					0	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	12	10	0	.4	24
December	0	0	0	0	0
Calendar year 1935	9,214	2,360	0	25.2	18,280
January	130	90	0	4.2	258
February	455	225	0	15.7	902
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	0	0	0	0	0
July	137	130	0	4.4	272
August	1,074	490	0	34.6	2,130
September	8	5	0	.3	16
Water year 1935-36	1,816	490	0	5.0	3,600

*Computed on basis of partial gage-height record and weather records.

Sabino Creek at upper dam site, near Tucson, Ariz.

Location.- Water-stage recorder, lat. 32°21'30", long. 110°46'45", in SE¼ sec. 26, T. 12 S., R. 15 E., unsurveyed, in Coronado National Forest, a quarter of a mile above upper dam site, 3½ miles above station known as Sabino Creek near Tucson, and 15 miles northeast of Tucson.

Drainage area.- 28.8 square miles.

Records available.- April to July 1936 (discontinued).

Extremes.- Maximum discharge during period Apr. 1 to July 7, 9.7 second-feet Apr. 1; no flow May 31 to July 7.

Remarks.- Records excellent. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							9.5	1.2				
2							8.2	.9				
3							8.2	.8				
4							7.5	.7				
5							8.0	.6				
6							8.8	.5				
7							8.3	.5				
8							7.1	.4				
9							6.6	.4				
10							5.7	.4				
11							5.7	.3				
12							5.5	.3				
13							5.3	.3				
14							5.5	.3				
15							5.5	.2				
16							5.3	.2				
17							5.0	.2				
18							4.8	.2				
19							4.6	.2				
20							4.2	.2				
21							3.6	.1				
22							3.3	.1				
23							2.9	.1				
24							2.4	.09				
25							2.2	.08				
26							1.8	.06				
27							1.7	.07				
28							1.7	.08				
29							1.5	.06				
30							1.3	.02				
31							-	0				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	151.7	9.5	1.3	5.06	301
May	9.56	1.2	0	.308	19
June	0	0	0	0	0
July 1-7	0	0	0	0	0
August	-	-	-	-	-
September	-	-	-	-	-
The period					320

Sabino Creek near Tucson, Ariz.

Location.- Water-stage recorder, lat. 32°19'0", long. 110°48'45", in E½ sec. 9, T. 13 S., R. 15 E., half a mile north of Coronado National Forest boundary and 12 miles northeast of Tucson.

Drainage area.- 35.0 square miles.

Records available.- June 1932 to September 1936.

Extremes.- Maximum discharge during year, 500 second-feet Jan. 29 (gage height, 4.69 feet); no flow June 19 to July 29.
1932-36: Maximum discharge, 700 second-feet July 15, 1932 (gage height, 5.4 feet); no flow parts of June and July in several years.

Remarks.- Records excellent. No diversions above station. Slight regulation by several small recreational detention dams.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.4	0.07	2.6	1.7	27	15	10	0.8	0.02	0	19	0.1
2	3.2	.07	2.2	1.6	19	14	9.3	.7	.02	0	14	.1
3	3.0	.07	1.7	1.4	26	14	9.3	.6	.03	0	6.3	.2
4	2.4	.07	1.6	1.4	27	13	8.9	.5	.02	0	5.0	.1
5	1.9	.07	1.3	1.4	19	11	8.9	.4	.02	0	9.4	.1
6	1.7	.07	1.3	1.4	14	10	9.3	.4	.02	0	4.0	.09
7	1.4	.05	1.2	1.4	12	9.7	8.2	.3	.01	0	11	.09
8	1.3	.07	1.2	1.4	10	8.9	5.9	.3	.01	0	11	.09
9	1.2	.05	1.0	1.2	9.0	7.9	6.5	.2	.01	0	52	.09
10	.8	.04	.9	1.2	8.2	7.2	6.5	.2	.01	0	31	.2
11	.8	.04	.9	1.0	7.5	6.8	5.9	.1	.01	0	9.1	17
12	.5	.04	.9	1.0	6.8	6.5	5.5	.07	.01	0	6.9	51
13	.4	.04	.8	.9	6.8	5.9	5.2	.05	.01	0	4.3	10
14	.4	.04	.8	.9	6.4	5.5	5.2	.05	.01	0	4.3	5.5
15	.4	.04	.8	.8	29	5.2	4.9	.04	.01	0	3.0	2.7
16	.3	.04	.8	.8	85	4.9	4.9	.04	.01	0	1.4	1.7
17	.3	.04	.7	.8	74	4.6	4.9	.04	.01	0	.8	1.6
18	.3	.05	.5	.8	59	4.0	4.6	.04	.01	0	.6	1.2
19	.2	.05	.5	.7	48	3.8	4.0	.04	0	0	.4	1.2
20	.2	.05	.9	.7	52	3.2	3.8	.04	0	0	.5	1.1
21	.2	.05	14	.7	49	3.2	3.2	.04	0	0	4.3	1.2
22	.2	.05	12	.6	42	4.0	3.0	.03	0	0	2.3	.8
23	.2	.05	6.1	.5	42	5.2	2.5	.03	0	0	1.2	.5
24	.2	.05	4.1	.5	42	5.2	1.7	.03	0	0	1.1	.4
25	.1	15	3.2	.5	38	6.5	.7	.02	0	0	.7	.4
26	.1	38	2.8	.5	30	7.2	1.7	.02	0	0	.4	.3
27	.09	20	2.2	.5	23	7.2	1.6	.02	0	0	.4	.4
28	.09	8.2	2.1	.8	19	12	1.3	.02	0	0	.3	.4
29	.07	4.6	1.9	183	17	13	1.1	.02	0	0	.2	.2
30	.07	3.4	1.7	105	-	11	1.0	.01	0	48	.1	.1
31	.07	-	1.6	43	-	10	-	.01	-	36	.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	25.49	3.4	0.07	0.822	51
November	90.46	38	.04	3.02	179
December	74.3	14	.5	2.40	147
Calendar year 1935	5,755.74	383	0	15.8	11,420
January	358.1	183	.5	11.6	710
February	847.7	85	6.4	29.2	1,680
March	245.6	15	3.2	7.92	487
April	149.5	10	.7	4.98	297
May	5.16	.8	.01	.166	10
June	.25	.03	0	.008	.5
July	84	48	0	2.71	167
August	205.1	52	.1	6.62	407
September	98.86	51	.09	3.30	196
Water year 1935-36	2,184.52	183	0	5.97	4,330

Salt River near Chrysotile, Ariz.

Location.- Water-stage recorder, lat. 33°48'0", 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 1936.

Average discharge.- 12 years, 628 second-feet.

Extremes.- Maximum discharge during year, 12,900 second-feet Feb. 17 (gage height, 8.40 feet); minimum, 140 second-feet July 17 (gage height, 1.67 feet).
1924-36: Maximum discharge, 36,000 second-feet Feb. 10, 1932 (gage height, 13.3 feet); minimum, 95 second-feet July 16, 1934.

Remarks.- Records excellent. Discharge for Oct. 5-8 interpolated. Minor diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	277	165	217	193	531	1,010	3,040	1,900	801	168	197	350
2	253	165	217	182	439	1,120	2,380	1,820	743	168	217	679
3	230	165	213	165	537	1,220	2,140	1,780	674	164	193	642
4	213	165	213	168	748	1,280	2,260	1,780	595	158	432	529
5	206	165	226	172	573	1,360	2,230	1,770	533	155	361	458
6	199	165	230	196	444	1,420	2,090	1,720	496	155	272	386
7	193	162	226	200	379	1,330	2,050	1,620	455	155	244	389
8	186	179	217	196	332	1,210	2,020	1,520	432	151	221	440
9	179	193	209	193	316	1,290	2,240	1,400	410	236	283	426
10	172	209	204	176	301	1,450	2,480	1,190	382	197	320	361
11	172	213	200	179	286	1,560	2,760	1,070	355	244	230	379
12	168	200	200	168	301	1,680	3,260	1,010	345	209	217	309
13	165	204	200	182	1,990	1,670	3,860	966	329	181	319	299
14	165	193	196	176	2,250	1,680	4,080	943	314	174	197	326
15	165	190	186	172	2,460	1,710	4,290	951	300	158	189	294
16	165	182	172	179	4,760	1,740	4,250	951	305	145	209	262
17	165	179	162	182	8,390	1,760	4,200	966	278	148	185	239
18	165	190	156	179	2,940	1,670	4,140	958	253	155	181	256
19	165	193	150	172	1,770	1,620	3,980	928	239	155	283	305
20	162	190	165	162	2,270	1,670	4,060	912	226	181	540	262
21	162	186	217	150	1,420	1,660	4,140	897	213	226	479	344
22	162	186	230	150	1,050	1,980	3,750	859	205	313	361	278
23	162	176	209	156	1,150	2,940	3,260	801	185	201	278	294
24	162	176	200	162	1,540	3,020	3,130	750	178	189	244	320
25	162	204	193	172	2,560	2,050	3,070	729	178	171	221	283
26	165	277	182	172	2,020	1,680	2,820	708	181	164	201	278
27	165	306	179	176	1,270	1,710	2,460	722	169	168	193	258
28	165	291	190	182	1,060	1,610	2,160	715	178	168	189	267
29	165	248	193	209	982	1,980	2,070	681	189	174	217	244
30	162	230	190	272	-	2,260	1,990	654	181	174	267	244
31	162	-	190	629	-	2,650	-	736	-	213	304	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,559	277	162	179	11,030
November	5,947	306	162	198	11,800
December	6,132	230	150	198	12,160
Calendar year 1935	329,352	9,330	150	902	653,300
January	6,040	629	150	195	11,980
February	45,069	8,390	286	1,554	89,390
March	52,980	3,020	1,010	1,709	105,100
April	90,660	4,290	1,990	3,022	179,800
May	34,407	1,900	654	1,110	68,250
June	10,342	801	178	345	20,510
July	5,618	313	145	181	11,140
August	8,244	479	181	266	16,350
September	10,401	679	239	347	20,630
Water year 1935-36	281,399	8,390	145	769	558,100

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.

Drainage area.- 4,310 square miles.

Records available.- October 1913 to September 1936.

Extremes.- Maximum discharge during year, 13,800 second-feet Feb. 17 (gage height, 12.60 feet); minimum, 146 second-feet July 17 (gage height, 3.60 feet).
1913-36: Maximum discharge, about 100,000 second-feet Jan. 19, 1916; minimum, 91 second-feet June 30, 1934.
Minimum discharge known, about 42 second-feet Aug. 5, 1911.

Remarks.- Records excellent. Minor diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	318	195	273	228	691	1,140	3,560	2,040	747	181	364	458
2	309	188	261	228	499	1,180	2,940	1,940	746	171	320	946
3	286	188	252	217	499	1,310	2,480	1,860	688	168	320	1,290
4	265	192	252	202	698	1,390	2,400	1,820	619	175	433	684
5	248	199	257	206	698	1,510	2,550	1,780	567	168	438	530
6	244	202	257	206	516	1,640	2,320	1,750	523	164	367	473
7	232	199	273	228	425	1,530	2,240	1,670	494	161	311	409
8	221	221	261	228	388	1,420	2,200	1,570	466	164	307	502
9	217	240	244	217	347	1,410	2,400	1,460	430	195	299	484
10	214	252	248	214	333	1,600	2,680	1,350	388	244	332	433
11	206	261	246	214	309	1,740	3,010	1,160	372	210	368	630
12	202	261	244	206	323	1,900	3,480	1,050	347	248	284	534
13	199	240	236	202	933	1,890	4,080	983	323	217	320	997
14	199	240	240	202	3,070	1,880	4,400	960	309	199	303	540
15	195	232	236	210	2,710	1,690	4,400	944	291	181	238	381
16	195	228	228	206	5,770	1,880	4,560	937	300	168	260	320
17	195	225	206	202	11,300	1,910	4,380	944	296	152	257	291
18	188	225	199	214	4,660	1,860	4,480	960	282	158	516	284
19	188	225	192	206	2,670	1,750	4,200	929	261	168	541	438
20	192	225	199	199	2,800	1,830	4,190	874	244	164	696	516
21	192	221	210	192	2,050	1,780	4,360	863	225	181	830	341
22	192	214	257	188	1,350	2,050	3,980	841	206	328	509	394
23	192	214	269	195	1,150	3,440	3,560	804	206	292	443	354
24	192	221	248	199	1,750	3,710	3,340	762	206	217	341	363
25	195	261	244	206	3,090	2,420	3,230	736	195	462	456	350
26	192	388	228	214	2,800	2,270	3,120	710	185	649	630	332
27	195	338	225	214	1,750	2,110	2,630	704	181	320	287	316
28	192	342	228	217	1,320	1,990	2,290	715	195	227	246	291
29	192	323	228	261	1,190	2,170	2,200	695	185	220	284	299
30	192	291	225	286	-	2,520	2,110	669	195	242	272	280
31	192	-	228	448	-	2,830	-	659	-	455	332	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,631	318	188	214	13,150
November	7,251	388	188	242	14,380
December	7,396	273	192	239	14,670
Calendar year 1935	380,070	10,400	168	1,041	753,900
January	6,855	448	188	221	13,600
February	56,089	11,300	309	1,934	111,300
March	59,950	3,710	1,140	1,934	118,900
April	97,770	4,560	2,110	3,259	193,900
May	35,139	2,040	659	1,134	69,700
June	10,672	747	181	356	21,170
July	7,249	649	152	234	14,380
August	11,904	830	238	384	23,610
September	14,260	1,290	280	475	28,280
Water year 1935-36	321,166	11,300	152	878	637,000

Reservoir system on Salt River at and below Roosevelt Dam, Ariz.

Location.- This system is comprised of four storage reservoirs created by four separate dams in Salt River, 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 1936.

Extremes.- Maximum daily contents for system during year, 831,100 acre-feet May 5, 6, 11; minimum daily contents, 467,200 acre-feet Jan. 29.

Remarks.- Total storage capacity of the four reservoirs is 1,790,000 acre-feet (revised), divided as follows: Roosevelt Lake, 1,412,000 acre-feet (revised); Apache Lake, 245,000 acre-feet; Canyon Lake, 63,200 acre-feet; Stewart Mountain Lake, 70,000 acre-feet. Decrease in capacity of Roosevelt Lake is due to lowering of spillway elevation and to silting of lower end of Lake. 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 Users' Association.

Daily contents, in thousands of acre-feet, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	561.1	509.3	484.1	478.7	470.0	605.8	700.5	827.8	793.5	690.5	595.9	548.5
2	560.3	507.7	484.3	478.5	471.0	608.2	707.3	828.7	791.6	686.7	597.4	545.4
3	559.3	506.4	485.0	479.4	471.9	610.5	713.5	829.8	789.5	680.8	598.3	543.7
4	557.6	504.8	485.6	479.5	473.0	612.5	718.5	830.6	787.5	676.8	598.4	542.7
5	555.8	502.8	486.1	479.5	474.3	614.1	723.5	831.1	785.1	672.9	597.8	541.3
6	553.9	500.9	484.6	479.6	475.8	615.9	728.2	831.1	782.8	669.7	597.3	539.6
7	552.1	499.0	484.7	479.3	476.8	618.6	732.1	830.8	781.0	665.6	596.5	537.7
8	550.4	496.8	485.1	479.0	477.7	620.7	736.1	830.6	778.8	660.7	595.2	535.9
9	548.4	495.8	485.8	478.2	478.3	622.1	739.5	830.7	776.7	655.8	594.3	533.1
10	545.8	496.4	486.0	477.9	479.1	623.5	742.5	831.0	772.3	650.7	593.7	530.0
11	543.5	496.7	485.8	477.4	479.8	624.5	746.5	831.1	768.6	646.5	592.2	526.3
12	540.8	495.9	485.8	476.9	480.2	625.7	751.7	830.7	766.2	642.9	589.3	523.7
13	538.6	495.1	486.8	476.5	481.3	626.4	757.8	829.4	761.8	639.7	586.4	522.0
14	536.8	493.9	485.6	476.6	484.2	627.5	764.1	827.8	758.1	636.5	582.8	520.1
15	535.1	492.3	485.1	474.8	489.0	629.1	770.5	826.1	754.6	632.3	579.3	517.8
16	533.6	491.0	485.1	474.1	497.3	630.6	776.0	824.7	751.5	628.0	575.8	514.8
17	532.3	490.6	484.8	473.4	513.2	632.3	781.6	824.2	747.8	623.1	572.6	511.4
18	531.4	489.8	484.2	472.8	537.1	634.2	787.3	823.1	743.4	618.5	569.9	508.2
19	529.5	488.8	483.1	472.3	550.3	635.8	792.7	821.4	739.4	616.3	568.8	504.8
20	527.9	487.8	482.3	471.8	557.2	636.7	798.0	819.2	734.9	613.3	568.2	502.2
21	526.5	487.0	482.0	471.5	563.4	637.7	803.1	817.0	731.3	609.7	567.5	500.8
22	524.9	486.0	482.0	470.5	568.2	639.9	807.9	814.9	728.1	605.9	567.0	498.6
23	523.0	484.8	482.2	469.6	571.6	645.0	812.3	813.1	724.5	602.0	566.2	496.1
24	520.9	484.2	482.7	469.4	574.5	653.1	815.3	811.5	720.4	598.0	565.2	493.1
25	519.7	484.4	483.0	468.8	581.7	661.0	817.8	809.9	716.3	594.0	563.4	489.9
26	518.1	484.3	485.7	468.1	589.3	667.1	821.1	808.0	712.3	592.9	561.6	486.6
27	516.7	484.5	483.1	468.2	595.6	672.8	822.6	805.7	707.9	592.8	559.9	483.5
28	515.6	484.6	481.5	467.5	600.1	678.7	825.1	803.1	703.2	593.4	558.0	480.4
29	514.3	484.6	479.7	467.2	603.2	684.0	826.4	800.0	699.3	594.3	555.6	477.8
30	512.8	484.5	478.4	468.5	-	689.0	827.0	797.1	695.1	595.0	553.4	474.5
31	511.3	-	477.6	469.4	-	694.9	-	795.0	-	596.4	551.1	-

Salt River at Stewart Mountain Dam, Ariz.

Location.- Water-stage recorder, lat. 33°33'15", long. 111°32'0", 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 benchmark).

Drainage area.- 6,200 square miles.

Records available.- October 1934 to September 1936.

Extremes.- Maximum discharge during year, 2,900 second-feet July 15; minimum, 13 second-feet Dec. 25.
1934-36: Maximum discharge, that of July 15, 1936; minimum, 3 second-feet Jan. 8-20, 1935.

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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	901	1,030	245	18	21	21	35	1,510	1,450	2,490	294	2,020
2	950	1,010	127	18	21	129	35	1,350	1,580	2,660	312	1,990
3	1,100	880	192	31	22	442	51	1,280	1,620	2,500	584	1,840
4	1,250	1,020	242	133	22	554	306	1,390	1,720	2,120	911	1,800
5	1,310	1,250	728	244	21	592	361	1,680	1,710	1,920	983	1,630
6	1,120	1,310	404	343	21	512	412	1,880	1,540	2,130	888	1,530
7	1,190	1,260	331	456	25	667	576	1,720	1,550	2,550	1,090	1,650
8	1,380	656	182	528	25	502	685	1,540	1,760	2,610	1,320	1,840
9	1,410	356	222	533	24	786	1,010	1,340	1,880	2,550	908	2,200
10	1,420	338	417	549	37	1,030	846	1,200	2,010	2,270	1,100	2,560
11	1,390	422	370	466	118	1,230	570	1,370	2,070	1,870	1,770	2,640
12	1,150	522	365	528	118	1,370	533	1,670	2,150	1,810	1,810	2,440
13	943	632	283	615	26	1,260	812	1,820	2,130	1,950	1,990	1,940
14	992	704	361	656	26	1,310	1,340	1,830	1,930	2,150	2,110	1,950
15	1,070	780	264	604	26	1,120	1,550	1,670	1,990	2,570	2,140	2,270
16	1,090	673	417	514	26	1,010	1,620	1,640	2,160	2,580	2,010	2,200
17	1,040	538	554	429	26	1,040	1,710	1,540	2,310	2,580	1,980	2,160
18	999	512	632	525	26	1,060	1,620	1,580	2,420	2,380	762	2,030
19	826	685	638	485	26	1,280	1,610	1,720	2,350	2,090	1,180	1,830
20	760	661	398	578	26	1,360	1,710	1,780	2,230	1,970	1,100	1,140
21	901	533	169	639	26	1,230	1,910	1,800	1,960	2,170	1,200	1,570
22	1,020	497	67	675	27	524	1,940	1,660	2,040	2,370	853	1,830
23	950	437	75	394	28	35	1,970	1,540	2,320	2,340	943	1,940
24	1,030	370	52	421	28	34	1,970	1,370	2,360	2,360	1,310	1,980
25	1,050	233	100	638	28	34	1,900	1,560	2,470	2,080	1,700	2,080
26	1,050	348	522	552	26	34	1,610	1,900	2,500	57	1,450	2,050
27	971	398	929	459	24	33	1,610	1,960	2,470	260	1,630	1,720
28	992	361	312	257	23	34	1,800	1,990	2,270	124	1,620	1,710
29	1,040	375	728	71	23	34	1,840	1,880	2,270	22	1,540	1,820
30	1,050	592	680	27	-	34	1,700	1,640	2,430	102	1,470	1,840
31	1,030	-	108	27	-	34	-	1,410	-	208	1,750	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	33,375	1,420	760	1,077	66,200
November	19,383	1,310	233	646	38,450
December	11,614	929	67	375	23,040
Calendar year 1935	309,162	2,620	3	847	613,300
January	12,413	675	18	400	24,620
February	916	118	21	31.6	1,820
March	19,335	1,370	21	624	38,350
April	35,642	1,970	35	1,188	70,690
May	50,220	1,990	1,200	1,620	99,610
June	61,650	2,500	1,450	2,055	122,300
July	57,843	2,660	22	1,866	114,700
August	40,708	2,140	294	1,313	80,740
September	58,200	2,640	1,140	1,940	115,400
Water year 1935-36	401,299	2,660	18	1,096	795,900

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.

Drainage area.- 813 square miles.

Records available.- October 1913 to September 1936.

Extremes.- Maximum discharge during year, about 2,150 second-feet Feb. 17 (gage height, 9.5 feet, from floodmark); minimum observed, 0.4 second-foot July 21.
1913-36: Maximum daily discharge, 20,000 second-feet (estimated) Dec. 28, 1923; no flow Sept. 4-10, 1924.

Remarks.- Records for low water and uniform flow fair; those for high water and fluctuating flow poor. Staff gage read once daily. Discharge for most days of high water and fluctuating flow computed from graph based on gage readings, floodmarks, and knowledge of characteristics of stream. Minor diversions for irrigation above station. Gage readings furnished by Salt River Valley Water Users' Association.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	40	5	20	12	9	176	487	36	6	1	57	7
2	32	5	20	12	22	154	295	36	6	1	291	122
3	23	5	19	12	70	130	261	36	6	1	82	113
4	15	5	19	12	229	118	229	31	6	1	57	39
5	13	5	19	13	72	113	229	29	5	1	39	26
6	11	5	19	12	53	108	229	27	5	1	30	14
7	9	5	19	13	44	105	223	27	4	1	49	14
8	9	5	19	12	34	100	200	27	4	48	30	9
9	8	5	19	12	31	89	187	22	4	8	22	8
10	8	5	19	12	27	99	200	22	4	2	105	8
11	8	5	19	12	24	99	200	22	4	2	42	8
12	7	5	19	12	24	108	200	19	4	2	50	14
13	7	5	19	12	91	102	214	19	3	2	50	579
14	6	4	19	12	48	101	200	16	3	2	28	43
15	6	5	19	12	116	101	200	16	3	2	16	32
16	6	5	19	12	1,060	100	174	15	4	2	13	18
17	6	5	17	12	1,850	100	174	14	5	1	13	11
18	5	5	12	12	561	91	165	13	5	1	35	8
19	5	6	12	12	460	84	113	12	3	1	16	6
20	5	6	12	12	682	78	102	12	3	1	450	11
21	5	6	12	10	460	72	90	11	3	1	67	60
22	5	6	12	9	304	72	82	10	4	113	46	37
23	5	6	12	9	212	426	76	10	3	16	32	25
24	5	24	13	9	786	372	50	9	4	3	20	21
25	5	13	12	9	716	466	45	8	4	1	352	21
26	5	58	12	9	460	688	45	8	3	80	74	14
27	5	42	12	9	377	815	50	8	2	35	31	17
28	5	36	12	8	300	664	49	8	1	17	23	14
29	5	27	12	9	232	487	45	7	1	12	12	11
30	5	27	12	9	-	426	40	7	1	12	9	11
31	5	-	13	9	-	387	-	6	-	136	9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	284	40	5	9.2	563
November	343	55	4	11.4	680
December	493	20	12	15.9	978
Calendar year 1935	46,190	1,550	1	127	91,620
January	341	13	8	11.0	676
February	9,354	1,850	9	323	18,550
March	7,031	815	72	227	13,950
April	4,853	487	40	162	9,630
May	543	36	6	17.5	1,080
June	113	6	1	3.8	224
July	507	136	1	16.4	1,010
August	2,150	450	9	69.4	4,260
September	1,321	579	6	44.0	2,620
Water year 1935-36	27,333	1,850	1	74.7	54,220

Verde River near Camp Verde, Ariz.

Location.- Water-stage recorder, lat. 34°27'0", 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 benchmark).

Drainage area.- 5,010 square miles.

Records available.- April 1934 to September 1936. December 1912 to March 1920 at station on Verde River at Camp Verde, Ariz., 15 miles upstream.

Extremes.- Maximum discharge during year, 6,820 second-feet Feb. 24 (gage height, 12.17 feet); minimum, 54 second-feet June 20.
1912-20, 1934-36: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	248	181	212	206	193	686	1,710	105	92	75	433	446
2	228	181	212	209	203	740	1,130	105	92	66	299	354
3	222	181	215	212	215	858	978	105	90	68	228	215
4	209	181	218	203	218	870	899	105	87	74	283	170
5	209	181	232	206	212	834	778	103	81	72	228	142
6	206	184	225	209	215	691	604	98	79	68	362	127
7	196	187	222	206	212	570	560	98	79	66	252	119
8	181	203	218	203	212	450	424	103	79	323	241	122
9	184	203	209	203	206	446	600	107	77	181	238	124
10	190	200	212	209	203	472	751	115	75	193	235	117
11	184	200	212	200	203	472	697	119	70	152	203	129
12	178	200	212	200	206	429	644	119	66	129	190	870
13	175	203	212	200	212	366	579	119	66	117	178	650
14	178	200	212	200	209	366	508	117	68	107	164	318
15	184	196	209	203	228	420	395	105	64	90	172	245
16	175	200	206	200	288	450	334	103	62	81	158	209
17	172	200	209	196	665	464	273	107	61	75	756	181
18	181	200	209	193	594	391	245	112	61	74	391	315
19	225	196	209	193	455	354	209	105	56	77	655	346
20	200	196	209	200	487	350	181	103	59	161	552	238
21	178	196	209	193	420	299	161	98	59	112	475	218
22	181	196	209	187	378	322	137	94	59	90	318	302
23	181	200	209	187	525	629	132	94	64	83	270	212
24	181	203	206	190	3,310	795	129	98	57	85	206	175
25	178	206	206	184	1,730	565	115	105	62	87	167	172
26	184	209	209	181	1,080	481	119	98	82	944	529	155
27	187	212	209	181	804	791	122	144	85	611	314	145
28	178	215	212	181	710	1,140	115	124	79	686	241	139
29	178	215	212	203	665	2,060	112	98	75	528	184	142
30	172	209	209	206	-	2,040	110	94	70	459	158	142
31	175	-	215	196	-	2,660	-	90	-	531	203	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,898	248	172	190	11,700
November	5,934	215	181	198	11,770
December	6,579	232	206	212	13,050
Calendar year 1935	169,869	6,870	62	465	336,900
January	6,140	212	181	198	12,180
February	15,258	3,310	193	526	30,260
March	22,461	2,660	299	725	44,550
April	13,751	1,710	110	458	27,270
May	3,290	119	90	106	6,530
June	2,156	92	56	71.9	4,280
July	6,465	944	66	209	12,820
August	9,283	756	158	299	18,410
September	7,239	870	117	241	14,360
Water year 1935-36	104,454	3,310	56	285	207,200

Verde River below East Verde River, near Pine, Ariz.

Location.- Water-stage recorder, lat. 34°16'0", 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 benchmark).

Drainage area.- 5,650 square miles.

Records available.- June 1934 to September 1936.

Extremes.- Maximum discharge during year, 11,000 second-feet Feb. 24 (gage height, 11.74 feet); minimum, 68 second-feet June 21 (gage height, 6.09 feet), caused by regulation. 1934-36: Maximum discharge, that of Feb. 24, 1936; minimum, that of June 21, 1936.

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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	304	228	276	271	271	788	1,960	186	132	107	516	380
2	280	224	280	262	244	823	1,380	177	119	107	392	544
3	262	228	262	262	258	947	1,140	140	124	98	299	360
4	266	228	276	266	276	967	1,110	159	127	102	323	253
5	244	232	304	253	284	947	957	162	119	85	308	208
6	240	236	304	266	276	860	823	156	121	107	572	172
7	244	220	276	266	258	744	753	154	104	96	343	159
8	232	244	262	262	262	579	624	148	114	207	392	162
9	236	262	289	266	253	523	662	152	123	292	429	172
10	228	240	284	271	248	537	927	134	114	228	360	168
11	228	262	289	258	244	551	870	151	111	212	294	172
12	216	271	253	251	271	558	779	168	107	168	240	742
13	204	244	280	240	258	439	736	159	104	165	236	814
14	228	236	276	248	258	433	670	172	102	162	212	427
15	228	247	266	253	289	458	572	154	100	137	197	323
16	216	262	262	240	461	496	496	151	102	119	197	276
17	208	253	284	244	1,400	544	410	121	100	111	568	244
18	212	258	240	294	898	490	365	136	93	114	522	240
19	240	253	266	236	647	427	299	149	96	85	676	458
20	248	240	276	240	753	445	280	140	93	144	597	349
21	236	240	262	240	624	416	248	134	82	193	744	299
22	236	258	289	253	496	614	216	134	90	156	410	334
23	232	266	266	224	544	1,290	216	134	93	137	333	299
24	232	244	253	232	5,240	1,180	197	134	91	119	280	236
25	228	280	258	236	2,400	957	186	124	89	119	232	208
26	236	276	284	232	1,380	1,060	158	132	96	501	377	216
27	228	294	280	228	1,020	1,270	170	137	119	861	496	179
28	228	271	276	224	814	1,440	190	193	102	719	299	186
29	220	271	276	271	797	1,940	179	145	106	523	253	186
30	204	294	276	271	-	2,250	181	129	104	601	200	186
31	212	-	284	262	-	2,750	-	121	-	565	216	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7,256	304	204	234	14,390
November	7,570	294	220	252	15,010
December	8,509	304	240	274	16,880
Calendar year 1935	2),587	7,400	95	602	435,600
January	7,622	294	224	252	15,510
February	21,424	5,240	244	739	42,490
March	27,723	2,750	416	894	54,990
April	17,754	1,960	158	592	35,210
May	4,586	193	121	148	9,100
June	3,177	132	82	106	6,300
July	7,340	861	85	237	14,560
August	11,513	744	197	371	22,840
September	8,952	814	159	298	17,760
Water year 1935-36	133,626	5,240	82	365 .	265,000

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 benchmark).

Drainage area.- 6,230 square miles.

Records available.- February 1925 to September 1936. 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, 12,000 second-feet Feb. 24 (gage height, 10.89 feet); minimum, 59 second-feet June 24.
1897-1936: 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 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	366	203	280	299	257	905	2,900	190	121	88	575	214
2	340	216	268	280	280	891	1,840	181	119	88	532	371
3	299	219	276	276	280	932	1,280	162	116	91	507	475
4	291	212	254	280	268	1,040	1,150	162	116	88	374	337
5	272	219	284	268	276	1,030	1,060	139	110	86	341	265
6	254	226	303	268	291	1,020	959	156	113	77	508	223
7	243	229	303	280	276	884	819	159	105	69	546	194
8	243	229	276	287	276	774	755	165	105	94	433	172
9	229	246	261	276	280	633	639	156	94	108	494	163
10	232	261	280	280	265	587	730	147	105	268	493	160
11	222	246	291	280	250	604	928	159	107	224	386	182
12	216	243	291	276	268	639	886	142	96	217	318	290
13	212	257	268	268	388	593	815	168	96	172	254	771
14	200	261	280	257	284	526	755	165	96	150	244	736
15	209	236	280	261	303	516	700	172	91	153	230	421
16	212	236	272	284	398	526	564	159	83	130	204	341
17	206	261	272	261	1,480	576	516	144	83	110	351	295
18	190	268	287	250	1,470	587	445	150	86	96	794	265
19	216	257	261	287	1,000	526	384	121	83	171	484	279
20	232	246	284	246	819	469	320	139	75	96	698	703
21	250	250	287	250	911	484	303	139	77	75	642	399
22	240	243	268	261	730	621	287	133	72	156	649	345
23	226	240	284	265	586	1,220	265	133	64	150	421	345
24	229	261	265	261	2,760	1,500	236	139	67	130	357	322
25	232	257	261	236	4,900	1,240	226	133	77	169	438	258
26	229	291	261	236	2,140	1,170	216	121	77	523	538	223
27	219	272	291	236	1,600	1,320	196	124	77	590	412	214
28	219	280	287	229	1,140	1,560	181	133	88	754	456	197
29	222	265	287	250	945	1,810	203	159	94	765	310	191
30	222	265	280	280	-	2,450	196	156	83	537	254	191
31	212	-	280	257	-	2,420	-	133	-	498	223	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7,384	366	190	238	14,650
November	7,395	291	203	246	14,670
December	8,622	303	254	278	17,100
Calendar year 1935	255,268	8,880	79	699	506,400
January	8,225	299	229	265	16,310
February	25,121	4,900	250	866	49,830
March	30,053	2,450	469	969	59,610
April	20,754	2,900	181	692	41,160
May	4,639	190	121	150	9,200
June	2,776	121	64	92.5	5,510
July	6,923	765	69	223	13,730
August	13,466	794	204	434	26,710
September	9,542	771	160	318	18,930
Water year 1935-36	144,900	4,900	64	396	287,400

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 benchmark).

Drainage area.- 39 square miles.

Records available.- July 1932 to September 1936.

Extremes.- Maximum discharge during year, about 500 second-feet Sept. 11 (gage height, 7.41 feet); no flow much of year.
1932-36: Maximum discharge, about 600 second-feet Aug. 30, 1935 (gage height, 7.75 feet); no flow much of each year.

Remarks.- Records fair. City of Prescott takes water for municipal supply from storage reservois on tributaries. Water stored for irrigation in reservoir (capacity, about 4,000 acre-feet) 3 miles below station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3				0	3.5	9.0	0.1		0	0	0
2	.3				.9	3.0	7.4	.1		0	0	0
3	.3				.3	2.7	5.6	.2		0	0	0
4	.2				0	2.3	5.2	.2		0	0	0
5	.2				0	2.0	5.2	.2		0	.6	0
6	.2				0	1.8	4.1	.2		0	0	0
7	.2				0	1.8	3.3	.2		0	0	0
8	.2				0	1.4	2.7	.2		0	0	0
9	.2				0	1.3	2.5	.1		0	0	.3
10	.1				0	1.0	2.0	.1		0	0	0
11	.1				0	1.0	1.6	.1		0	1	20
12	.1				0	.8	1.4	.1		0	0	.6
13	.1				.2	.4	1.4	.1		0	0	0
14	.1				.4	.4	1.0	.1		0	3	.1
15	.1				3.8	.6	.7	.1		0	0	0
16	.1				29	.5	.7	.1		0	.7	0
17	.1				34	.5	.4	.1		0	0	0
18	.1				19	.3	.3	0		0	0	5
19	.1				19	.3	.2	0		0	2	0
20	.1				16	.4	.2	0		0	0	.1
21	.1		/		13	.7	.2	0		0	0	0
22	0				12	9.0	.2	0		0	0	.1
23	0				15	4.9	.1	0		0	0	.1
24	0				19	3.5	.1	0		0	0	.1
25	0				12	6.4	.1	0		0	0	.1
26	0				8.4	7.9	.1	0		0	0	.1
27	0				6.5	11	.1	0		0	0	.1
28	0				5.2	15	.1	0		0	0	.1
29	0				4.1	13	.1	0		.3	0	.1
30	0				-	11	.1	0		0	0	.1
31	0				-	11	-	0		14	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3.3	0.3	0	0.11	6.5
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	217.8	34	0	7.51	432
March	119.4	15	.3	3.85	237
April	56.1	9.0	.1	1.87	111
May	2.3	.2	0	.07	4.6
June	0	0	0	0	0
July	14.3	14	0	.46	28
August	7.3	3	0	.24	14
September	27.0	20	0	.90	54
Water year 1935-36	447.5	34	0	1.22	887

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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 Highway Department benchmark).

Drainage area.- 22 square miles.

Records available.- June 1932 to September 1936.

Extremes.- Maximum discharge during year, 38 second-feet Aug. 19 (gage height, 4.02 feet); no flow part of September.
1932-36: Maximum discharge, about 1,300 second-feet Aug. 25, 1935 (gage height, 8.6 feet); no flow part of September 1936.

Remarks.- Records fair. Discharge regulated at Willow Creek Reservoir (capacity, 8,000 acre-feet), about a mile above station, since October 1935. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.3	0.4	0.3	0.3	0.4	0.4	0.5	0.4	0.3	0.2	0.9	0.3
2	.6	.3	.2	.3	.4	.3	.5	.4	.3	.2	.9	.2
3	.5	.3	.3	.3	.5	.3	.4	.4	.3	.2	1.0	.2
4	.4	.3	.3	.3	.3	.3	.4	.3	.3	.2	.9	.3
5	.4	.3	.3	.3	.3	.2	.4	.3	.3	.2	.9	.2
6	.3	.4	.3	.3	.3	.3	.3	.3	.3	.2	.8	.3
7	.4	.4	.3	.3	.3	.4	.4	.3	.3	.2	.4	.3
8	.2	.4	.3	.3	.3	.4	.3	.3	.4	.2	.4	.3
9	.3	.5	.3	.3	.3	.4	.3	.3	.4	.2	.4	.2
10	.3	.5	.3	.3	.3	.5	.3	.3	.3	.2	.4	0
11	.2	.5	.3	.3	.3	.6	.4	.3	.3	.2	.4	.3
12	.5	.4	.3	.3	.3	.9	.5	.3	.3	.2	.4	.4
13	.5	.5	.3	.3	.3	.5	.4	.3	.3	.2	.4	.4
14	.5	.4	.3	.3	.3	.5	.4	.3	.2	.2	.4	.4
15	.4	.4	.3	.3	.5	.5	.4	.3	.2	.2	.4	.4
16	.3	.3	.3	.2	.7	.5	.5	.3	.2	.2	.4	.4
17	.2	.3	.3	.2	.5	.5	.6	.3	.2	.2	.4	.2
18	.3	.3	.3	.2	.4	.4	.4	.3	.2	.2	.4	.2
19	.3	.3	.3	.2	.4	.4	.5	.2	.2	.2	1.0	0
20	.3	.3	.3	.3	.4	.4	.4	.3	.2	.2	.3	0
21	.3	.2	.3	.3	.1	.3	.4	.3	.2	.2	.2	0
22	.3	.3	.3	.3	.1	.8	.4	.4	.2	.2	.2	0
23	.3	.4	.3	.3	.1	.7	.4	.3	.2	.2	.2	0
24	.3	.3	.3	.3	.1	.6	.4	.2	.2	.2	.2	0
25	.3	.3	.3	.3	.1	.7	.4	.2	.2	.3	.3	.1
26	.3	.3	.3	.4	.2	.4	.4	.3	.2	.3	.3	0
27	.4	.2	.3	.4	.3	.4	.4	.2	.2	.3	.3	0
28	.4	.3	.3	.4	.2	.4	.4	.3	.2	.3	.3	.1
29	.3	.2	.3	.5	.3	.5	.4	.2	.2	.4	.3	.1
30	.3	.2	.3	.4	-	.4	.4	.2	.2	.6	.3	.1
31	.4	-	.3	.4	-	.5	-	.4	-	.5	.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10.8	0.6	0.2	0.35	21
November	10.2	.5	.2	.34	20
December	9.2	.3	.2	.30	18
Calendar year 1935	722.0	98	.1	1.98	1,430
January	9.6	.5	.2	.31	19
February	9.0	.7	.1	.31	18
March	14.4	.9	.2	.46	29
April	12.3	.6	.3	.41	24
May	9.2	.4	.2	.30	18
June	7.5	.4	.2	.25	15
July	7.8	.6	.2	.24	15
August	14.7	1.0	.2	.47	29
September	5.4	.4	0	.18	11
Water year 1935-36	119.8	1.0	0	.33	237

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 benchmark of Gillespie Land & Irrigation Co.).

Records available.- May 1935 to September 1936.

Remarks.- Records good except those interpolated or computed, which are fair. Discharge for July 6-14 interpolated and for Aug. 26, Aug. 30 to Sept. 3, Sept. 22, 23, computed from partial gage-height record. Canal diverts from left side of Gila River at Gillespie Dam. Water used for irrigation near Gila Bend.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	58	47	128	150	133	143	133	72	54	29	100	70
2	87	48	128	150	133	142	133	74	51	29	92	70
3	83	48	122	148	133	143	132	70	50	31	132	75
4	49	50	116	148	132	148	130	73	48	33	165	78
5	50	54	118	148	132	148	126	70	49	31	189	79
6	53	58	124	148	130	151	127	65	46	30	179	80
7	55	63	125	148	128	152	126	62	40	29	154	78
8	50	88	124	147	127	150	126	63	38	28	131	72
9	54	92	130	146	126	148	126	62	38	27	146	71
10	51	90	135	147	126	146	123	63	39	26	159	69
11	47	86	134	147	126	145	119	66	39	24	150	66
12	45	86	130	146	125	142	120	68	37	23	249	86
13	43	88	128	146	122	138	126	65	36	22	154	100
14	43	84	130	146	122	136	122	65	34	21	118	249
15	43	80	135	144	122	142	114	64	32	20	102	147
16	42	82	142	144	128	154	110	53	32	20	88	101
17	42	83	142	142	136	158	104	62	31	24	116	93
18	59	81	142	140	131	153	100	63	31	20	197	81
19	52	80	142	138	132	147	96	47	31	20	166	73
20	46	80	142	137	136	140	96	52	30	19	245	67
21	46	82	144	136	137	132	95	56	39	18	165	66
22	44	88	142	134	138	131	91	48	36	18	108	50
23	45	90	142	136	138	149	89	45	32	17	107	45
24	46	92	141	138	140	147	88	56	30	15	99	42
25	46	97	141	138	140	148	84	60	30	16	88	41
26	44	102	141	138	141	158	81	56	29	146	145	42
27	44	100	140	137	141	152	78	51	28	30	104	42
28	45	123	140	138	143	156	73	55	27	50	226	42
29	43	135	146	135	143	150	71	48	28	45	144	43
30	43	134	146	132	-	141	74	48	27	40	85	43
31	48	-	148	133	-	134	-	53	-	85	75	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,546	87	42	49.9	3,070
November	2,511	135	47	83.7	4,980
December	4,188	148	116	135	8,310
Calendar year					
January	4,405	150	132	142	8,740
February	3,841	143	122	132	7,620
March	4,524	158	131	146	8,970
April	3,213	133	71	107	6,370
May	1,855	74	45	59.8	3,680
June	1,092	54	27	36.4	2,170
July	986	146	15	31.8	1,960
August	4,378	249	75	141	8,680
September	2,261	249	41	75.4	4,480
Water year 1935-36	34,800	249	15	95.1	69,030

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 1935 to September 1936 (discharge measurements only).

Remarks.- Canal diverts from right side of Gila River at Gillespie Dam. Water used for irrigation. Quantity of water diverted is regulated to be nearly constant.

Discharge measurements, in second-feet, water year 1935-36

Oct.	1	15.4
	9	13.7
	23	12.8
Nov.	6	13.8
	20	13.0
Dec.	4	14.7
	18	16.2
Jan.	2	19.0
	16	17.2
	30	18.0
Feb.	5	17.1
	14	15.1
	24	17.7
Mar.	4	18.0
	14	12.8
	25	13.7
Apr.	4	13.9
	15	14.2
	24	12.6
May	6	12.1
	14	15.3
	24	11.9
June	4	12.5
	14	11.2
	24	12.1
July	4	10.9
	15	11.2
	25	12.6
Aug.	4	17.2
	14	11.4
	22	8.0
Sept.	4	9.4
	14	14.6
	24	8.9

Whitewater Draw near Douglas, Ariz.

Location.- Water-stage recorder, lat. 31°21'15", long. 109°35'0", in SW¼SE¼ sec. 10, T. 24 S., R. 27 E., at bridge on U. S. Highway 80 1½ miles upstream from international boundary and 2 miles west of Douglas. Zero of gage is 3,887.7 feet above mean sea level, from Arizona Highway Department benchmark.

Drainage area.- 1,023 square miles.

Records available.- August 1911 to April 1922, June 1930 to December 1933, May 1935 to September 1936.

Extremes.- Maximum discharge during year, probably greater than 2,000 second-feet Sept. 11; minimum, 0.5 second-foot (estimated) Sept. 17-25.
1930-36: Maximum discharge, 3,450 second-feet Aug. 10, 1931 (gage height, 12.15 feet); minimum, 0.2 second-foot July 25, 1935.
Maximum known discharge, 4,050 second-feet (estimated) July 28, 1919.

Remarks.- Records good except those for May 8 to Sept. 30, which are poor and were estimated on basis of five discharge measurements, weather records, information from resident engineer of Arizona Highway Department, and, for Sept. 3-16, field estimates by Geological Survey engineer. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1.1	1.1	1.8	1.0	0.8	1.0	1.0	0.6	0.6	0.7	1
2	1	1.1	.8	1.8	.8	1.4	1.0	.8	.6	.6	.7	1
3	1	.8	.8	1.8	.7	1.1	1.1	.7	.6	.6	.7	50
4	1	.8	.8	1.8	.7	1.1	.8	.8	.6	.6	.7	10
5	1	.8	.8	1.8	.8	1.0	.8	.8	.6	.6	.7	5
6	.8	1.1	.7	1.6	1.0	.8	.8	.7	.6	.6	.7	2
7	1.0	1.0	.8	1.8	1.0	1.0	1.0	.7	.6	.6	1	2
8	1.0	.8	.8	1.8	1.1	1.1	1.1	.7	.6	.6	1	2
9	1.0	1.0	.8	1.8	1.0	1.0	1.3	.7	.6	.6	1	2
10	1.1	1.0	.8	1.8	1.0	1.0	1.1	.7	.6	.6	1	50
11	1.1	1.0	.8	1.6	1.3	1.0	1.1	.7	.6	.6	1	1,000
12	1.1	1.1	.8	1.3	1.1	.8	1.1	.7	.6	.6	1	50
13	1.1	1.1	.8	1.3	1.5	1.3	1.1	.7	.6	.6	1	10
14	1.1	1.1	.8	1.3	1.4	1.4	1.1	.7	.6	.6	1	5
15	1.1	1.1	1.0	1.3	1.3	1.0	1.3	.7	.6	.6	1	2
16	1.1	1.3	1.0	1.1	1.4	.7	1.0	.7	.6	.6	1	1
17	1.4	1.3	1.0	1.1	1.6	.8	1.0	.6	.6	.6	1	.5
18	1.1	1.3	.8	1.0	1.3	.8	1.1	.6	.6	.6	1	.5
19	1.1	1.3	1.0	1.0	1.6	.8	1.1	.6	.6	.6	1	.5
20	1.1	1.4	48	1.1	1.3	.8	1.0	.6	.6	.6	1	.5
21	1.1	1.4	89	1.1	1.6	1.0	1.0	.6	.6	.6	1	.5
22	1.1	1.4	22	1.1	1.3	1.0	1.1	.6	.6	.7	1	.5
23	1.1	1.3	9.4	1.1	1.1	1.0	1.3	.6	.6	.7	1	.5
24	1.1	1.4	4.6	1.1	1.0	.8	1.0	.6	.6	.7	1	.5
25	1.3	42	2.4	1.0	1.1	.8	.8	.6	.6	.7	1	.5
26	1.3	187	2.2	.8	1.4	1.1	.8	.6	.6	.7	1	.6
27	1.0	28	1.9	.8	1.0	1.1	.6	.6	.6	.7	1	.6
28	1.0	8.6	1.9	1.0	1.0	1.1	.8	.6	.6	.7	1	.6
29	.8	2.6	1.8	1.3	.8	.8	1.0	.6	.6	.7	1	.6
30	.8	1.4	1.8	1.1	-	.7	1.0	.6	.6	.7	1	.6
31	1.0	-	1.8	1.1	-	.6	-	.6	-	.7	1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	32.8	1.4	0.8	1.06	65
November	296.6	187	.8	9.89	588
December	203.0	89	.7	6.55	403
Calendar year					
January	41.4	1.8	.8	1.34	82
February	33.2	1.6	.7	1.14	66
March	29.9	1.4	.7	.96	59
April	30.3	1.3	.6	1.01	60
May	20.8	1.0	.6	.67	41
June	18.0	.6	.6	.60	36
July	19.6	.7	.6	.63	39
August	29.2	1	.7	.94	58
September	1,200.5	1,000	.5	40.0	2,380
Water year 1935-36	1,955.3	1,000	.8	5.34	3,880

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

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

Date	Stream	Tributary to or diverting from	Locality	Discharge
				Sec.-ft.
Nov. 1	San Juan River	Colorado River	Damsite in NE¼ sec. 36, T. 37 N., R. 1 E., 8,000 feet above mean sea level, 14½ miles northeast of Pagosa Springs, Colo.	10.6
Apr. 11	....do.....	....do.....	....do.....	83.3
May 13	....do.....	....do.....	....do.....	203
30	....do.....	....do.....	....do.....	316
June 17	....do.....	....do.....	....do.....	137
July 2	....do.....	....do.....	....do.....	47.2
17	....do.....	....do.....	....do.....	39.5
30	....do.....	....do.....	....do.....	35.7
Aug. 14	....do.....	....do.....	....do.....	54.4
27	....do.....	....do.....	....do.....	37.7
Sept. 7	....do.....	....do.....	....do.....	70.9
19	....do.....	....do.....	....do.....	32.5
30	....do.....	....do.....	....do.....	31.2
Nov. 1	Sand Creek.....	San Juan River..	Sec. 4, T. 36 N., R. 1 E., at mouth, 8,000 feet above mean sea level, 12½ miles northeast of Pagosa Springs, Colo.	7.18
Apr. 11	....do.....	....do.....	....do.....	35.2
May 13	....do.....	....do.....	....do.....	125
30	....do.....	....do.....	....do.....	98.0
June 17	....do.....	....do.....	....do.....	36.4
July 2	....do.....	....do.....	....do.....	12.8
17	....do.....	....do.....	....do.....	9.77
30	....do.....	....do.....	....do.....	7.82
Aug. 14	....do.....	....do.....	....do.....	10.6
27	....do.....	....do.....	....do.....	5.74
Sept. 7	....do.....	....do.....	....do.....	16.8
19	....do.....	....do.....	....do.....	7.69
30	....do.....	....do.....	....do.....	8.53
Nov. 1	Coal Creek.....	....do.....	SE¼ sec. 36, T. 36 N., R. 1 W., 8,000 feet above mean sea level, 6⅞ miles northeast of Pagosa Springs, Colo.	.86
Dec. 3	....do.....	....do.....	....do.....	.52
Apr. 10	....do.....	....do.....	....do.....	13.2
May 15	....do.....	....do.....	....do.....	23.9
29	....do.....	....do.....	....do.....	21.3
June 15	....do.....	....do.....	....do.....	8.94
July 1	....do.....	....do.....	....do.....	1.46
16	....do.....	....do.....	....do.....	1.17
28	....do.....	....do.....	....do.....	.45
Aug. 13	....do.....	....do.....	....do.....	1.16
26	....do.....	....do.....	....do.....	.44
Sept.16	....do.....	....do.....	....do.....	1.27
30	....do.....	....do.....	....do.....	1.60
Oct. 30	Mill Creek.....	....do.....	N½ sec. 7, T. 35 N., R. 1 E., 8,000 feet above mean sea level, 7 miles northeast of Pagosa Springs, Colo.	.27
Dec. 3	....do.....	....do.....	....do.....	.17
Apr. 11	....do.....	....do.....	....do.....	120
May 14	....do.....	....do.....	....do.....	9.76
28	....do.....	....do.....	....do.....	5.99
June 13	....do.....	....do.....	....do.....	.94
30	....do.....	....do.....	....do.....	.71
July 14	....do.....	....do.....	....do.....	.23
28	....do.....	....do.....	....do.....	.11
Aug. 11	....do.....	....do.....	....do.....	.46
25	....do.....	....do.....	....do.....	*.10
Sept. 5	....do.....	....do.....	....do.....	.71
16	....do.....	....do.....	....do.....	.41
Oct. 31	White Creek....	Rio Blanco.....	SW¼ sec. 1, T. 34 N., R. 1 E., at mouth, 7,950 feet above mean sea level, 12⅝ miles southeast of Pagosa Springs, Colo.	3.08
Dec. 5	....do.....	....do.....	....do.....	1.39
Apr. 12	....do.....	....do.....	....do.....	32.0
May 14	....do.....	....do.....	....do.....	19.3
31	....do.....	....do.....	....do.....	11.7
June 16	....do.....	....do.....	....do.....	3.55
July 1	....do.....	....do.....	....do.....	.57
15	....do.....	....do.....	....do.....	1.39
29	....do.....	....do.....	....do.....	1.61
Aug. 12	....do.....	....do.....	....do.....	3.12
26	....do.....	....do.....	....do.....	1.42
Sept. 8	....do.....	....do.....	....do.....	2.59
17	....do.....	....do.....	....do.....	1.83
Nov. 2	Big Branch.....	....do.....	NW¼ sec. 28, T. 34 N., R. 1 E., 8,200 feet above mean sea level, below ditch diversion and inflow, 11⅜ miles southeast of Pagosa Springs, Colo.	.40
May 16	....do.....	....do.....	....do.....	1.49
29	....do.....	....do.....	....do.....	*.15
June 15	....do.....	....do.....	....do.....	*.10
July 16	....do.....	....do.....	....do.....	*.04
29	....do.....	....do.....	....do.....	*.05
Aug. 12	....do.....	....do.....	....do.....	.55
26	....do.....	....do.....	....do.....	.35
Sept.17	....do.....	....do.....	....do.....	.37

*Estimated.

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

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
Oct. 31	Sheep Cabin Creek	Rito Blanco.....	E½ sec. 5, T. 34 N., R. 1 E., 7,750 feet above mean sea level, 9 miles southeast of Pagosa Springs, Colo.	0.14
Dec. 5	....do.....	....do.....	....do.....	.12
Mar. 15	....do.....	....do.....	....do.....	4.53
21	....do.....	....do.....	....do.....	3.59
Apr. 13	....do.....	....do.....	....do.....	45.7
May 14	....do.....	....do.....	....do.....	1.52
31	....do.....	....do.....	....do.....	.63
June 16	....do.....	....do.....	....do.....	.35
30	....do.....	....do.....	....do.....	*.24
July 15	....do.....	....do.....	....do.....	*.22
29	....do.....	....do.....	....do.....	*.24
Aug. 12	....do.....	....do.....	....do.....	*.29
26	....do.....	....do.....	....do.....	*.14
Sept. 8	....do.....	....do.....	....do.....	*.23
17	....do.....	....do.....	....do.....	*.17
July 20	Hogback Canal..	San Juan River..	SW¼ sec. 6, T. 29 N., R. 16 W., 7 miles southeast of Shiprock, N. Mex.	83.2
Apr. 27	Woodruff Canal..	Silver Creek....	Diversion dam that is control for station on Silver Creek near Woodruff, Ariz.	3.9
June 12	....do.....	....do.....	....do.....	5.8
Aug. 21	....do.....	....do.....	....do.....	4.5
Oct. 19	Chevelon Irrigation Co.'s canal	Chevelon Fork...	Diversion dam 2 miles below station on Chevelon Fork near Winslow, Ariz.	4.8
Nov. 2	....do.....	....do.....	....do.....	3.7
Apr. 26	....do.....	....do.....	....do.....	6.1
29	....do.....	....do.....	....do.....	5.9
May 7	....do.....	....do.....	....do.....	4.3
June 11	....do.....	....do.....	....do.....	3.5
July 4	....do.....	....do.....	....do.....	2.6
22	....do.....	....do.....	....do.....	2.6
31	....do.....	....do.....	....do.....	2.3
Aug. 9	....do.....	....do.....	....do.....	2.3
20	....do.....	....do.....	....do.....	2.6
Sept. 5	....do.....	....do.....	....do.....	2.5
19	....do.....	....do.....	....do.....	2.7
Oct. 19	Clear Creek.....	Little Colorado River	1 mile below station on Clear Creek near Winslow, Ariz.	2.4
Dec. 19	....do.....	....do.....	....do.....	2.6
June 11	....do.....	....do.....	....do.....	2.8
11	Clear Creek Canal	Clear Creek.....	1 mile below diversion dam that is control for station on Clear Creek near Winslow, Ariz.	4.5
Oct. 16	Gila River.....	Colorado River..	At former gaging station on Gila River near Ashurst, Ariz.	1.6
30	....do.....	....do.....	....do.....	2.4
Nov. 13	....do.....	....do.....	....do.....	23.7
Feb. 16	Mineral Creek...	Gila River.....	At mouth, at Kelvin, Ariz.....	342
16	....do.....	....do.....	....do.....	261
16	....do.....	....do.....	....do.....	238

*Estimated.

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