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SURFACE WATER SUPPLY *of the* UNITED STATES

1936

PART 13

SNAKE RIVER BASIN

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Prepared in cooperation with the States of

IDAHO, OREGON, WASHINGTON, and WYOMING

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SURFACE WATER SUPPLY OF SNAKE RIVER BASIN, 1936

SCOPE OF WORK

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

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

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

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

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

EXPLANATION OF DATA

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

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

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

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

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

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

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

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

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

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

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

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

TYPICAL RIVER-MEASUREMENT STATIONS.

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

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

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

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

PUBLICATIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

Note.- The reports which contain records after 1901 are given in the table on page 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	306	307	308	309	310	311	312	312	312
1912.....	321	322	323	324	325	326	327	328	329	330	331	332-A	332-B	332-C
1913.....	351	352	353	354	355	356	357	358	359	360	361	362-A	362-B	362-C
1914.....	381	382	383	384	385	386	387	388	389	390	391	392	393	394
1915.....	401	402	403	404	405	406	407	408	409	410	411	412	413	414
1916.....	431	432	433	434	435	436	437	438	439	440	441	442	443	444
1917.....	451	452	453	454	455	456	457	458	459	460	461	462	463	464
1918.....	471	472	473	474	475	476	477	478	479	480	481	482	483	484
1919-20..	501	502	503	504	505	506	507	508	509	510	511	512	513	514
1921.....	521	522	523	524	525	526	527	528	529	530	531	532	533	534
1922.....	541	542	543	544	545	546	547	548	549	550	551	552	553	554
1923.....	561	562	563	564	565	566	567	568	569	570	571	572	573	574
1924.....	581	582	583	584	585	586	587	588	589	590	591	592	593	594
1925.....	601	602	603	604	605	606	607	608	609	610	611	612	613	614
1926.....	621	622	623	624	625	626	627	628	629	630	631	632	633	634
1927.....	641	642	643	644	645	646	647	648	649	650	651	652	653	654
1928.....	661	662	663	664	665	666	667	668	669	670	671	672	673	674
1929.....	681	682	683	684	685	686	687	688	689	690	691	692	693	694
1930.....	696	697	698	699	700	701	702	703	704	705	706	707	708	709
1931.....	711	712	713	714	715	716	717	718	719	720	721	722	723	724
1932.....	726	727	728	729	730	731	732	733	734	735	736	737	738	739
1933.....	741	742	743	744	745	746	747	748	749	750	751	752	753	754
1934.....	756	757	758	759	760	761	762	763	764	765	766	767	768	769
1935.....	781	782	783	784	785	786	787	788	789	790	791	792	793	794
1936.....	801	802	803	804	805	806	807	808	809	810	811	812	813	814

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

RECORDS OF DISCHARGE COLLECTED BY AGENCIES OTHER THAN THE GEOLOGICAL SURVEY

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

Records of discharge collected by agencies other than the Geological Survey

Stream	Location	Period	Operated by	Remarks
Antelope Reservoir..	Near Danner, Oreg.....	1925-27, 1930, 1932-36	State engineer..	(*)
Bully Creek.....	Vale, Oreg.....	1933-36	....do.....	Unpublished.
Cascade Creek.....	Near Ashton, Idaho.....	1935-36	U. S. Bureau of Reclamation.	Do.
Grande Ronde River..	Below Chicken Creek, near Starkey, Oreg.	...do...	State engineer..	Do.
Grassy Creek.....	Near Ashton, Idaho.....	...do...	U. S. Bureau of Reclamation.	Do.
Inflow to American Falls Reservoir.	Near American Falls, Idaho.	1927-28, 1932-36	Idaho Water District No.36	(†)
Inflow to proposed Island Park Reservoir.	Near Island Park, Idaho..	1935-36	U. S. Bureau of Reclamation.	Unpublished.
Jack Creek.....	Near mouth, near Danner, Oreg.	1925, 1930, 1932-36 (fragmentary)	State engineer..	(*)
Jordan Creek.....	9 miles west of Jordan Valley, Oreg.	‡1930-31, 1933-36	....do.....	(*)
Lake of Wood discharge.	Near Ashton, Idaho.....	1935-36	U. S. Bureau of Reclamation.	Unpublished.
Malheur River.....	Below Nevada Dam, near Vale, Oreg.....	‡1934-36	State engineer..	Do.
Do.....	Near Namorf, Oreg.....	‡1929-36	....do.....	Do.
Malheur River, North Fork of.	Junctura, Oreg.....	‡1926-32, 1935-36	....do.....	(*)
Teton River.....	Near Driggs, Idaho.....	1935-36	U. S. Bureau of Reclamation.	Unpublished.
Wallowa Lake Reservoir.	Above Joseph, Oreg.....	‡1925-36	State engineer..	(*)
Wallowa River.....	Below Wallowa Lake, Oreg.	‡1926-36	....do.....	(*)

COOPERATION

The work was done under cooperative agreements with the several States as follows: In Idaho with the Department of Reclamation, R. W. Faris, commissioner; in Oregon with the State engineer, Charles E. Stricklin; in Washington with the State Department of Conservation and Development, E. F. Banker, succeeded by J. B. Fink, director, and C. J. Bartholet, supervisor of hydraulics; and in Wyoming with the State engineer, E. W. Burritt, succeeded by John D. Quinn.

Acknowledgments are due also to the Corps of Engineers, United States Army, United States Office of Indian Affairs, United States Bureau of Reclamation, United States Weather Bureau, United States Soil Conservation Service, and United States Forest Service for financial assistance in collecting the records published herein.

Assistance in collecting records was also rendered by the following municipalities, organizations, corporations, and individuals: In Idaho by the city of Pocatello, Idaho Power Co., Weiser Irrigation District, Lake Irrigation District, Washington Water Power Co., Board of Control for Boise Project, Yellow Pine Co., Mesa Orchards Co., Idaho Water District No. 36, Twin Falls Canal Co., North Side Canal Co., Burley Irrigation District, Minidoka Irrigation District, Utah Power & Light Co., water commissioners for Big Lost

*Records for stations operated by State engineer of Oregon published in State engineer Bulletin 4 (to 1914), Bulletin 7 (1915-24), and Bulletin 8 (1925-30); others unpublished.
†Published in reports of Idaho Water District No. 36.
‡Records for some earlier years published in water-supply papers of U. S. Geological Survey.

River and Mud Lake, and local water masters for the Little Lost, Big Wood, Little Wood, Boise, and Weiser Rivers; in Oregon by the Warmsprings Irrigation District, Malheur, Baker, Union, and Wallowa Counties, Eastern Oregon Light & Power Co., and Inland Power & Light Co.; and in Washington by the Washington Water Power Co.

DIVISION OF WORK

The data for stations on the Snake River at and above Milner, Idaho, on tributaries that enter that stream above Idaho Falls (except in the Salt River Basin in Wyoming), and on the Blackfoot River near Blackfoot, Idaho, were collected and prepared for publication under the supervision of Lynn Crandall, district engineer. For all other stations in Idaho, the station on the Snake River at Oxbow, Oreg., and that in the Salmon Falls Creek Basin in Nevada, the data were collected and prepared for publication under the supervision of T. R. Newell, district engineer.

For all other stations in the several States the data were collected and prepared for publication under the supervision of district engineers as follows: In Oregon, G. H. Canfield, the work being done in collaboration with Charles E. Stricklin, State engineer; in Washington, G. L. Parker; in Wyoming, Robert Follansbee; and in Nevada, A. B. Purton.

SNAKE RIVER

Jackson Lake at Moran, Wyo.

Location.- Staff gage, lat. 43°51', long. 110°35', in sec. 18, T. 45 N., R. 114 W., a short distance above outlet gates of Jackson Lake. Zero of gage is 6,700 feet above mean sea level.

Records available.- June 1909 to September 1936. Records for 1909 and 1910 fragmentary.

Remarks.- Jackson Lake impounds water for irrigation of lands in Snake River Valley, Idaho. It has a capacity of 847,000 acre-feet between elevations 6,730 and 6,769 feet, sea-level datum. Gage-height record and capacity table furnished by U. S. Bureau of Reclamation.

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	113,270	126,310	148,270	166,540	205,550	242,030	269,370	335,800	718,610	846,210	658,150	480,490
2	113,460	127,060	148,850	167,320	206,750	243,660	270,210	340,140	733,920	846,210	649,620	473,840
3	113,460	127,630	149,420	168,490	207,960	244,280	271,050	345,780	744,550	844,930	643,110	467,890
4	113,650	128,190	150,000	169,660	208,960	245,100	271,880	354,080	756,240	840,860	640,230	464,220
5	113,650	128,760	150,570	170,830	210,170	245,720	272,930	361,980	770,190	835,520	637,820	460,100
6	113,830	129,330	151,150	172,000	211,380	246,550	274,190	372,960	780,210	828,900	635,420	456,690
7	114,020	130,080	151,910	173,170	212,380	247,170	275,650	382,490	791,250	823,050	630,370	452,370
8	114,020	130,840	152,680	174,340	213,390	247,790	277,120	389,130	801,820	816,980	626,040	448,280
9	114,200	131,590	153,450	175,700	214,190	248,410	278,380	394,020	810,660	809,900	621,730	445,550
10	114,200	132,530	154,410	177,260	215,200	249,030	279,420	401,840	819,000	802,830	617,190	443,270
11	114,390	133,480	155,360	178,630	216,400	249,650	280,680	410,560	827,120	796,010	612,170	438,720
12	114,570	134,420	155,360	180,970	218,010	250,270	281,730	423,830	835,260	790,000	606,680	432,630
13	114,760	135,370	156,320	183,320	220,420	250,890	282,770	436,460	842,390	784,230	602,380	426,760
14	115,130	135,930	158,240	185,690	221,230	251,510	283,820	452,600	848,510	777,960	597,620	420,450
15	115,320	136,690	158,820	188,070	222,030	252,340	284,870	471,550	852,350	772,690	592,640	414,140
16	115,690	137,250	159,200	190,250	223,450	253,370	285,930	490,390	855,170	767,950	588,610	407,430
17	116,430	138,010	159,780	191,440	224,270	254,410	287,000	504,700	855,940	761,970	584,340	401,170
18	116,990	138,760	160,160	192,430	225,290	255,650	288,050	515,850	855,680	755,250	579,600	397,150
19	117,550	139,710	160,730	193,620	226,920	256,680	290,180	527,930	855,680	748,030	575,100	394,240
20	118,290	140,460	161,120	195,000	228,550	257,720	292,720	541,720	855,680	740,600	570,150	392,240
21	119,040	141,220	161,690	196,190	229,980	258,750	295,050	556,250	853,380	732,440	564,030	390,020
22	119,780	141,970	162,080	197,380	231,610	259,580	297,600	567,800	852,100	723,540	556,250	386,480
23	120,520	142,730	162,460	198,370	233,450	260,400	301,840	577,940	851,070	715,420	548,740	382,490
24	121,270	143,480	162,840	199,360	235,280	261,230	306,520	589,560	849,790	707,810	542,190	377,840
25	122,010	144,240	163,230	200,350	236,510	262,060	311,020	602,140	849,280	701,180	534,940	373,410
26	122,750	145,010	163,620	201,140	237,940	262,880	315,320	616,950	848,760	695,780	527,930	369,210
27	123,310	145,590	164,010	201,930	238,950	263,710	319,610	632,770	848,760	690,420	520,960	365,050
28	123,870	146,350	164,400	202,730	239,970	264,550	323,900	650,100	848,760	684,320	512,820	361,320
29	124,610	146,930	164,790	203,340	241,610	265,600	327,120	665,360	848,510	677,740	504,470	360,000
30	125,170	147,690	165,370	203,940	-	266,860	331,460	682,130	847,480	669,960	496,160	360,660
31	125,740	-	165,960	204,740	-	268,110	-	699,710	-	662,690	487,860	-

Snake River near Moran, Wyo.

Location.- Water-stage recorder, lat. 43°51', long. 110°34', in sec. 17, T. 45 N., R. 114 W., 1½ miles east of Moran and Jackson Lake Dam and 3½ miles above Pacific Creek.

Drainage area.- 820 square miles.

Records available.- September 1903 to September 1936.

Average discharge.- 33 years, 1,430 second-feet.

Extremes.- Maximum discharge during year, 5,850 second-feet July 21 (gage height, 6.08 feet); minimum, 18 second-feet Feb. 13-20 (gage height, 0.11 foot).
1903-36: Maximum discharge, 15,100 second-feet June 12, 1918 (gage height, 10.41 feet); practically no flow during a few days in 1907 and 1909.

Remarks.- Records good. Gates at dam were closed Oct. 16 to May 31, June 4-11, and Sept. 29-30. Staff gage read once daily Oct. 1 to June 13 and Sept. 29-30; stage recorder used remainder of year. Flow controlled by operation of outlet gates at Jackson Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	300	23	22	22	20	20	19	90	1,520	1,940	4,540	4,450
2	300	23	22	22	20	20	19	95	2,130	1,510	4,240	4,100
3	300	23	22	22	20	20	20	104	966	3,150	2,880	3,570
4	300	23	22	22	20	20	20	104	270	4,160	1,960	2,780
5	300	23	22	22	20	20	20	104	174	4,880	1,820	2,440
6	300	23	22	22	20	19	20	106	134	5,190	2,290	2,210
7	300	23	22	22	19	19	20	106	115	5,040	3,230	2,570
8	300	23	22	22	19	19	20	112	82	5,020	2,980	2,070
9	300	24	22	22	19	19	20	112	46	4,990	3,280	1,590
10	300	24	22	23	19	19	23	112	46	5,070	3,400	2,080
11	300	24	22	23	19	19	23	122	43	5,060	3,860	3,220
12	300	24	22	23	19	19	23	131	630	4,750	3,600	3,670
13	300	24	22	23	19	19	23	159	1,420	4,640	3,500	3,790
14	318	24	22	23	18	19	26	188	2,570	4,140	3,370	3,720
15	144	23	22	23	18	19	29	246	3,610	3,820	3,080	3,680
16	24	23	22	23	18	19	33	305	4,350	3,860	2,790	3,800
17	24	23	22	23	18	19	36	250	4,580	4,800	2,980	2,900
18	24	23	22	23	18	19	40	226	4,580	4,850	2,850	1,970
19	23	23	22	23	18	19	44	252	4,580	5,020	3,030	1,620
20	23	23	19	23	18	19	48	279	4,580	5,360	3,720	1,200
21	23	23	19	23	20	19	74	305	4,580	5,850	4,180	1,790
22	23	22	19	23	20	19	84	278	4,260	5,600	4,940	2,410
23	22	22	19	23	20	19	77	250	3,920	5,240	4,400	2,580
24	22	22	19	20	20	19	74	296	3,290	4,860	4,030	2,650
25	22	22	19	20	20	19	70	336	3,080	4,030	4,210	2,510
26	20	22	19	20	20	19	74	364	2,760	3,910	3,980	2,370
27	23	22	22	20	20	19	74	412	2,580	3,900	4,260	2,340
28	23	22	22	20	20	19	80	422	2,570	4,060	5,310	1,680
29	23	22	22	20	20	19	90	432	2,570	4,660	5,160	54
30	23	22	22	20	-	19	90	468	2,400	4,980	5,260	48
31	23	-	22	20	-	19	-	457	-	4,850	4,990	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,727	318	20	152	9,380
November	687	24	22	22.9	1,360
December	661	22	19	21.3	1,310
Calendar year 1935	421,320	8,260	11	1,154	835,700
January	680	23	20	21.9	1,350
February	559	20	18	19.3	1,110
March	594	20	19	19.2	1,180
April	1,313	90	19	43.8	2,600
May	7,223	468	90	233	14,330
June	68,436	4,580	43	2,281	135,700
July	139,190	5,850	1,510	4,490	276,100
August	114,120	5,310	1,820	3,681	226,400
September	75,862	4,450	48	2,529	150,470
Water year 1935-36	414,052	5,850	18	1,131	821,300

Snake River near Alpine, Wyo.

Location.- Water-stage recorder, lat. 43°10'21", long. 111°4'32", in W½ sec. 9, T. 3 S., R. 46 E., three-quarters of a mile below mouth of Salt River and 1½ miles southwest of Alpine. Site is half a mile below the old station, operated from 1916 to 1918, but flow is the same.

Records available.- June 1916 to September 1918 and April to August 1934 (discontinued). Summers only.

Extremes.- Maximum daily discharge during period, 13,450 second-feet May 9 (gage height, 4.27 feet); minimum, 3,620 second-feet June 11 (gage height, 1.26 feet).
1916-18, 1934: Maximum daily discharge for periods of record, 48,700 second-feet June 15, 1918; minimum, 2,130 second-feet Nov. 15, 16, 1916.

Remarks.- Records good. Flow regulated by storage in Jackson Lake. Records furnished by U. S. Bureau of Reclamation.

Discharge, in second-feet, water year October 1933 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	8,390	8,430	6,840	5,440	
2							-	8,390	7,360	7,050	5,410	
3							-	8,260	6,550	7,420	5,510	
4							-	8,360	6,290	7,490	-	
5							-	9,270	6,240	7,240	-	
6							-	10,740	5,890	6,690	-	
7							-	11,820	5,180	6,290	-	
8							-	12,780	4,780	6,410	-	
9							-	13,450	4,230	6,870	-	
10							-	12,180	3,650	7,200	-	
11							-	11,460	3,620	7,520	-	
12							-	11,500	3,750	7,390	-	
13							-	11,260	3,800	7,420	-	
14							-	10,220	3,770	7,680	-	
15							-	9,390	3,670	7,610	-	
16							-	8,010	4,580	6,900	-	
17							-	7,050	5,640	6,430	-	
18							-	6,870	6,610	6,380	-	
19							-	7,020	7,880	6,430	-	
20							-	7,110	7,080	6,240	-	
21							6,460	7,110	6,180	5,800	-	
22							7,490	6,840	6,050	5,970	-	
23							8,280	6,660	5,700	5,910	-	
24							8,460	6,660	6,180	5,620	-	
25							8,500	6,780	6,750	5,080	-	
26							8,110	6,690	6,690	4,950	-	
27							7,710	6,900	6,550	5,150	-	
28							7,880	6,870	6,380	4,900	-	
29							8,110	6,810	6,640	4,850	-	
30							8,280	7,420	6,900	5,250	-	
31							-	8,140	-	5,590	-	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 21-30	79,280	8,500	6,460	7,928	157,200
May	270,430	13,450	6,660	8,724	536,400
June	173,020	8,430	3,620	5,767	343,200
July	198,570	7,680	4,850	6,405	393,900
August	-	-	-	-	-
September	-	-	-	-	-
The period					1,430,700

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Snake River at Calamity Point, near Irwin, Idaho

Location.- Water-stage recorder, lat. 43°19'35", long. 111°11'40", in SW¼ sec. 18, T. 1 S., R. 45 E., 400 feet above mouth of Bear Creek, 5,800 feet above proposed Calamity Point dam site, and 7½ miles southeast of Irwin. Prior to Mar. 30, 1935, datum of gage was 1 foot higher.

Records available.- April 1934 to October 1936 (no records during winters).

Extremes.- 1934: Maximum daily discharge during period, 14,150 second-feet May 9 (gage height, 4.11 feet, former datum); minimum, 3,750 second-feet Aug. 4 (gage height, 0.92 foot, former datum).

1935: Maximum daily discharge during period, 21,230 second-feet June 14 (gage height, 7.04 feet); minimum, 1,890 second-feet Apr. 2 (gage height, 0.59 foot).

1936: Maximum daily discharge during period, 26,970 second-feet June 1 (gage height, 8.53 feet); minimum (estimated), 1,530 second-feet Apr. 1-6.

Remarks.- Records good. Discharge Apr. 14, May 22-24, June 23, 24, 1935, computed on basis of records for station near Irwin, and Apr. 1-6, 1936, on basis of records for station at Heise. Flow regulated by storage in Jackson Lake. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height record for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

	1934					1935						
Day	Apr.	May	June	July	Aug.	Apr.	May	June	July	Aug.	Sept.	Oct.
1	-	8,740	8,810	6,890	5,650	1,730	6,020	11,280	12,400	11,530	6,070	2,710
2	-	8,740	8,250	7,020	5,380	1,690	5,680	11,250	11,600	11,530	5,530	2,660
3	-	8,600	7,020	7,500	5,650	1,700	5,230	10,940	11,600	11,570	5,010	2,620
4	-	8,740	6,490	7,600	5,680	1,820	5,110	10,670	11,850	11,640	4,820	2,620
5	-	9,310	6,400	7,440	-	1,830	5,530	11,180	11,780	11,780	4,630	2,600
6	-	10,360	6,160	6,830	-	1,800	6,290	12,700	11,280	11,640	4,660	2,620
7	-	12,180	5,410	6,430	-	1,750	6,340	14,070	11,110	11,570	5,010	2,600
8	-	13,250	4,760	6,400	-	1,790	6,130	15,410	11,080	11,500	5,300	2,570
9	-	14,150	4,540	6,960	-	1,890	6,180	17,010	10,810	11,420	5,600	2,550
10	-	13,250	4,160	7,340	-	1,970	6,780	18,160	10,430	11,280	5,580	2,550
11	-	12,100	3,950	7,820	-	2,050	6,980	18,730	10,770	11,110	5,180	2,550
12	-	11,910	3,860	7,630	-	2,290	6,870	18,940	10,910	11,010	4,840	2,590
13	-	11,720	3,860	7,600	-	2,540	6,400	20,010	11,110	10,910	4,840	2,600
14	-	10,660	3,840	7,980	-	2,850	5,920	21,230	11,280	10,770	4,870	2,600
15	-	9,670	3,750	7,920	-	3,840	5,710	20,390	11,530	10,670	4,910	2,600
16	-	8,520	4,500	7,280	-	4,490	6,050	18,320	11,820	10,570	4,940	2,620
17	-	7,350	5,680	6,740	-	4,400	6,670	15,970	12,030	10,270	5,230	2,430
18	-	7,150	6,700	6,640	-	4,490	7,200	14,070	12,180	10,100	5,350	2,360
19	-	7,210	7,920	6,740	-	5,060	7,400	13,340	12,140	9,420	5,200	2,340
20	-	7,310	7,500	6,520	-	6,100	7,540	13,800	12,070	8,010	4,960	2,320
21	6,460	7,350	6,310	5,960	-	7,260	7,980	14,150	12,110	7,150	4,820	2,320
22	7,530	7,050	6,250	6,020	-	7,120	9,000	13,760	12,140	6,980	4,770	2,340
23	8,560	6,860	5,630	6,050	-	6,050	10,500	13,900	12,030	6,980	4,720	2,290
24	8,910	6,960	6,130	5,680	-	5,150	11,000	14,300	11,570	7,010	4,700	2,280
25	9,090	7,080	6,830	5,200	-	4,870	12,400	13,530	11,180	5,940	4,180	2,320
26	8,840	6,890	6,860	4,960	-	5,480	12,920	11,930	11,150	5,110	3,470	2,340
27	8,220	7,020	6,610	5,230	-	6,510	13,110	11,180	11,040	5,110	3,280	2,340
28	8,220	7,380	6,460	4,990	-	6,480	13,080	12,210	10,940	5,530	3,240	2,320
29	8,460	6,960	6,640	4,840	-	5,860	11,710	12,810	11,110	5,550	2,880	2,290
30	8,660	7,600	6,990	5,250	-	6,290	10,870	13,080	11,280	5,920	2,760	2,280
31	-	8,350	-	5,630	-	-	11,750	-	11,500	6,240	-	2,240

Discharge, in second-feet, of Snake River at Calamity Point near Irwin, Idaho, 1934-36--Continued

1936

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						1,530	12,850	26,970	11,150	9,460	8,040	2,960
2						1,530	13,270	26,490	10,200	9,620	7,520	2,860
3						1,530	13,650	23,720	9,710	9,390	7,290	2,820
4						1,530	16,450	20,510	10,870	8,010	7,040	2,810
5						1,530	20,430	18,900	11,710	6,920	6,370	2,810
6						1,530	20,010	17,590	12,250	6,560	5,920	2,790
7						1,550	15,690	17,010	12,210	6,920	5,580	2,770
8						1,650	13,570	16,650	12,110	7,370	5,760	2,740
9						1,680	14,030	15,730	11,850	7,180	5,320	2,710
10						1,680	15,770	14,580	11,640	7,370	4,870	2,690
11						1,740	17,670	14,380	11,750	7,690	5,230	2,690
12						2,000	20,010	15,090	11,570	7,920	6,100	2,670
13						2,200	21,610	16,610	11,960	7,890	6,590	2,670
14						2,460	23,680	17,790	11,460	7,630	6,700	2,660
15						2,810	26,000	19,470	10,430	7,430	6,670	2,640
16						3,180	25,960	20,470	9,870	7,010	6,620	2,640
17						3,710	22,700	20,220	10,040	6,670	6,670	2,640
18						4,270	20,180	19,840	10,570	6,700	6,020	2,640
19						5,060	19,840	19,600	10,340	6,480	5,110	2,640
20						6,020	20,560	18,650	10,270	6,560	4,720	2,740
21						7,570	19,680	18,360	10,500	7,010	4,310	2,720
22						8,950	18,040	18,040	10,740	7,400	4,720	2,670
23						10,740	17,140	17,300	10,370	7,840	5,250	2,640
24						11,570	17,260	16,450	10,470	7,320	5,400	2,590
25						10,770	18,360	15,610	9,970	7,090	5,450	2,590
26						11,180	19,640	15,170	9,200	7,150	5,380	2,590
27						10,870	20,560	14,150	8,800	6,950	5,200	2,590
28						11,670	20,810	13,530	8,610	7,260	5,150	2,590
29						12,070	21,100	13,230	8,740	8,070	4,750	2,570
30						13,080	21,980	12,210	9,140	8,010	3,280	2,570
31						-	23,460	-	9,360	8,190	-	2,590

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
April 21-30	82,950	9,090	6,460	8,295	164,500
May	280,420	14,150	6,860	9,046	556,200
June	178,270	8,810	3,750	5,942	353,600
July	202,990	7,980	4,840	6,548	402,600
The period					1,477,000
1935					
April	117,150	7,260	1,690	3,905	232,400
May	250,350	13,110	5,110	8,076	496,600
June	438,320	21,230	10,670	14,610	869,400
July	355,830	12,400	10,430	11,480	705,800
August	285,820	11,780	5,110	9,220	566,900
September	141,350	6,070	2,760	4,712	280,400
October	76,470	2,710	2,240	2,467	151,700
The period					3,303,000
1936					
April	157,660	13,080	1,530	5,255	312,700
May	591,960	26,000	12,850	19,100	1,174,000
June	534,320	26,970	12,210	17,810	1,060,000
July	327,860	12,250	8,610	10,580	650,300
August	233,070	9,620	6,480	7,518	482,300
September	173,030	8,040	3,280	5,768	343,200
October	83,300	2,960	2,570	2,687	165,200
The period					4,168,000

Snake River near Irwin, Idaho

Location.- Water-stage recorder, lat. 43°23', long. 111°16', in SW¼ sec. 27, T. 1 N., R. 44 E., 1½ miles below mouth of Palisade Creek, 2 miles southeast of Irwin, Idaho.

Records available.- April 1935 to October 1936 (no records during winters).

Extremes.- 1935: Maximum daily discharge during period, 20,840 second-feet June 14 (gage height, 6.43 feet); minimum, 1,750 second-feet Apr. 2 (gage height, 0.04 foot).
1936: Maximum daily discharge during period, 26,850 second-feet June 1 (gage height, 7.67 feet); minimum, 1,600 second-feet Apr. 1-7 (gage height, -0.06 foot).

Remarks.- Records excellent in 1935 and good in 1936. Discharge Oct. 20-25, 1935, and Apr. 1-5, 1936, computed on basis of records for nearby stations. Flow regulated by storage in Jackson Lake. Gage-height record collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1935-36

1935

Day				Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	
1				-	1,800	6,350	11,420	12,250	11,570	5,880	2,660	
2				-	1,750	5,990	11,420	11,420	11,530	5,340	2,580	
3				-	1,760	5,580	11,090	11,270	11,570	4,920	2,560	
4				-	1,900	5,410	10,770	11,570	11,650	4,720	2,550	
5				-	1,930	5,780	11,310	11,530	11,800	4,520	2,520	
6				-	1,910	6,510	12,760	11,130	11,650	4,550	2,520	
7				-	1,860	6,620	14,120	10,980	11,570	4,850	2,520	
8				-	1,900	6,400	15,460	10,880	11,460	5,080	2,500	
9				-	2,020	6,430	16,980	10,660	11,310	5,390	2,490	
10				-	2,090	6,970	18,020	10,340	11,130	5,390	2,480	
11				-	2,190	7,230	18,510	10,660	10,840	5,060	2,490	
12				-	2,460	7,140	18,830	10,770	10,700	4,740	2,500	
13				-	2,730	6,700	19,820	10,950	10,620	4,740	2,500	
14				-	3,290	6,220	20,840	11,160	10,410	4,720	2,500	
15				-	4,170	6,010	20,310	11,420	10,270	4,740	2,520	
16				-	4,810	6,350	18,670	11,610	10,200	4,780	2,560	
17				-	4,760	6,950	16,420	11,910	9,990	5,040	2,370	
18				-	4,830	7,540	14,400	11,990	9,860	5,200	2,300	
19				-	5,340	7,690	13,460	11,910	9,350	5,060	2,290	
20				-	6,400	7,800	13,730	12,030	8,220	4,880	2,270	
21				-	7,460	8,190	14,010	11,990	7,170	4,720	2,270	
22				-	7,340	9,380	13,620	12,030	6,950	4,650	2,290	
23				-	6,300	10,980	13,770	11,910	6,970	4,630	2,240	
24				-	5,440	12,370	14,080	11,530	7,000	4,610	2,230	
25				-	5,150	12,760	13,300	11,130	6,060	4,090	2,270	
26				-	5,710	13,420	11,760	11,020	5,130	3,410	2,260	
27				-	6,830	13,500	10,950	10,950	5,060	3,200	2,240	
28				-	6,780	13,270	11,870	10,980	5,410	3,160	2,220	
29				-	6,170	11,840	12,600	11,160	5,440	2,880	2,220	
30				1,790	6,640	10,840	12,880	11,310	5,680	2,730	2,190	
31				1,800	-	11,800	-	11,460	5,860	-	2,170	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
April	123,720	7,460	1,750	4,124	245,400
May	260,020	13,500	5,410	8,388	515,700
June	437,180	20,840	10,770	14,570	867,100
July	351,910	12,250	10,340	11,350	698,000
August	282,430	11,800	5,060	9,111	560,200
September	137,680	5,880	2,730	4,589	273,100
October	74,280	2,660	2,170	2,396	147,300
The period					3,307,000

Discharge, in second-feet, of Snake River near Irwin, Idaho, 1935-36--Continued

1936

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						1,600	13,380	26,850	11,680	9,620	8,100	3,080
2						1,600	13,850	26,180	10,620	9,720	7,600	2,970
3						1,600	14,160	23,870	9,960	9,590	7,370	2,930
4						1,600	16,900	21,340	11,130	8,340	7,170	2,910
5						1,600	20,720	19,900	11,840	7,110	6,450	2,910
6						1,600	21,050	18,510	12,370	6,780	6,060	2,890
7						1,600	16,580	17,900	12,330	6,920	5,710	2,880
8						1,740	14,510	17,540	12,140	7,510	5,910	2,860
9						1,800	14,830	16,660	11,840	7,250	5,480	2,850
10						1,790	16,500	15,380	11,570	7,510	5,040	2,830
11						1,880	18,300	15,140	11,570	7,740	5,270	2,730
12						2,160	20,430	15,820	11,530	8,040	6,140	2,730
13						2,420	21,950	17,060	11,870	8,040	6,530	2,720
14						2,720	23,910	18,380	11,380	7,770	6,670	2,700
15						3,130	25,800	19,900	10,410	7,570	6,620	2,700
16						3,580	25,900	20,800	9,890	7,140	6,560	2,720
17						4,130	23,120	20,680	10,130	6,780	6,640	2,720
18						4,760	20,880	20,310	10,550	6,860	6,090	2,720
19						5,560	20,640	20,060	10,340	6,620	5,150	2,720
20						6,530	21,290	19,200	10,300	6,620	4,810	2,720
21						8,130	20,600	18,880	10,620	7,110	4,390	2,700
22						9,520	19,080	18,510	10,880	7,430	4,830	2,690
23						11,240	18,100	17,660	10,410	7,860	5,290	2,670
24						12,330	18,220	16,860	10,550	7,400	5,440	2,620
25						11,380	19,200	16,060	10,200	7,090	5,480	2,640
26						11,760	20,270	15,620	9,380	7,200	5,360	2,620
27						11,350	21,170	14,630	8,960	6,970	5,220	2,640
28						12,220	21,380	14,010	8,770	7,250	5,200	2,640
29						12,560	21,830	13,850	8,900	8,070	4,920	2,620
30						13,580	22,610	12,840	9,320	8,010	3,470	2,640
31						-	23,750	-	9,590	8,190	-	2,670

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
April	167,470	13,580	1,600	5,582	332,200
May	610,810	25,800	13,380	19,700	1,212,000
June	550,400	26,850	12,840	18,350	1,092,000
July	331,030	12,370	8,770	10,680	656,600
August	236,110	9,720	6,620	7,616	468,300
September	174,970	8,100	3,470	5,832	347,000
October	85,440	3,080	2,620	2,756	169,500
The period					4,278,000

Snake River near Swan Valley, Idaho

Location.- Water-stage recorder, lat. 43°27'45", long. 111°24'50", in NE¼ sec. 32, T. 2 N., R. 43 E., 1 mile below Lyon station (operated prior to 1912), 1½ miles below mouth of Rainy Creek, and 4 miles northwest of Swan Valley.

Records available.- April 1903 to December 1911 (published as South Fork of Snake River near Lyon), April to August 1934.

Extremes.- Maximum daily discharge during period of 1934 record, 13,820 second-feet May 9 (gage height, 4.07 feet); minimum, 3,920 second-feet June 15 (gage height, 1.32 feet).

1903-11, 1934: Maximum discharge observed, 51,450 second-feet May 25, 1905: minimum, 1,800 second-feet Dec. 13, 1905.

Remarks.- Records good. Records furnished by U. S. Bureau of Reclamation. Flow regulated by storage in Jackson Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	8,610	8,460	6,870	5,540	
2							-	8,540	8,120	6,930	5,210	
3							-	8,400	7,000	7,360	5,510	
4							-	8,400	6,640	7,530	5,360	
5							-	9,040	6,450	7,360	-	
6							-	10,200	6,220	6,870	-	
7							-	11,700	5,600	6,450	-	
8							-	12,920	4,870	6,380	-	
9							-	13,820	4,620	6,870	-	
10							-	13,200	4,290	7,130	-	
11							-	11,880	4,050	7,600	-	
12							-	11,750	3,950	7,390	-	
13							-	11,620	3,970	7,360	-	
14							-	10,600	4,000	7,630	-	
15							-	9,730	3,920	7,700	-	
16							-	8,860	4,350	7,060	-	
17							-	7,390	5,660	6,580	-	
18							-	7,100	6,540	6,380	-	
19							-	7,260	7,770	6,450	-	
20							-	7,330	7,630	6,350	-	
21							-	7,360	6,320	5,970	-	
22							-	7,100	6,380	5,940	-	
23							8,500	6,830	5,630	6,040	-	
24							8,790	6,800	6,130	5,630	-	
25							8,900	6,930	6,770	5,330	-	
26							8,860	6,830	6,870	4,780	-	
27							8,080	7,030	6,610	5,150	-	
28							8,120	7,060	6,510	4,950	-	
29							8,400	6,870	6,610	4,810	-	
30							8,500	7,360	6,960	5,150	-	
31							-	8,120	-	5,480	-	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 23-30	68,150	8,900	8,080	8,519	135,200
May	276,640	13,820	6,800	8,924	548,700
June	178,900	8,460	3,920	5,963	354,800
July	199,480	7,700	4,780	6,435	395,700
August	-	-	-	-	-
September	-	-	-	-	-
The period					1,434,000

Snake River at Dry Canyon, near Swan Valley, Idaho

Location.- Water-stage recorder, lat. 43°33', long. 111°26', in NW¼ sec. 32, T. 5 N., R. 43 E., 0.6 mile below mouth of Dry Canyon Creek and 8 miles northwest of Swan Valley.

Records available.- April 1934 to October 1936 (no records during winters).

Extremes.- 1934: Maximum daily discharge during period, 14,190 second-feet May 9 (gage height, 3.81 feet); minimum, 1,730 second-feet Oct. 7 (gage height, 0.38 foot).
1935: Maximum daily discharge during period, 21,420 second-feet June 14 (gage height, 5.75 feet), minimum, 1,780 second-feet Apr. 1, 2 (gage height, 0.31 foot).
1936: Maximum daily discharge during period, 28,000 second-feet May 16 (gage height, 7.33 feet); minimum, 1,580 second-feet Apr. 1-3, 6 (gage height, 0.23 foot).

Remarks.- Records good. Discharge Apr. 1, 20, 21, 1935, and Apr. 1-4, 1936, computed on basis of records for nearby stations. Flow regulated by storage in Jackson Lake. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height record for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

1934

Day	Apr.	May	June	July	Aug.	Sept.	Oct.
1	-	8,730	8,480	6,890	5,510	2,720	2,190
2	-	8,690	8,180	6,930	5,110	2,610	1,950
3	-	8,560	7,000	7,360	5,440	2,630	1,830
4	-	8,600	6,580	7,520	5,240	2,980	1,790
5	-	9,000	6,430	7,400	5,540	2,560	1,760
6	-	9,800	6,210	6,890	4,850	2,330	1,740
7	-	11,730	5,610	6,350	3,820	2,270	1,730
8	-	11,930	4,850	6,210	4,080	2,040	1,740
9	-	14,190	4,540	6,770	4,110	2,000	1,740
10	-	13,530	4,200	6,960	4,020	2,210	-
11	-	12,280	3,850	7,600	4,110	2,270	-
12	-	11,930	3,730	7,400	4,570	2,610	-
13	-	11,980	3,820	7,280	4,950	2,720	-
14	-	10,850	3,380	7,640	4,080	2,630	-
15	-	9,890	3,850	7,810	3,820	2,560	-
16	-	8,950	4,260	7,120	4,020	2,500	-
17	-	7,440	5,650	6,540	3,730	2,420	-
18	-	7,040	6,690	6,390	3,350	2,330	-
19	-	7,080	7,850	6,430	2,960	2,250	-
20	-	7,120	8,010	6,390	2,910	2,210	-
21	-	7,160	6,390	5,890	3,060	2,190	-
22	-	6,960	6,430	5,780	3,060	2,170	-
23	8,390	6,730	5,650	6,000	3,010	2,500	-
24	8,860	6,660	6,170	5,580	3,080	2,590	-
25	9,040	6,730	6,950	5,140	2,840	2,480	-
26	8,950	6,660	6,930	4,630	2,540	2,370	-
27	8,140	6,850	6,620	5,040	2,720	2,310	-
28	8,100	6,890	6,540	4,880	2,840	2,270	-
29	8,310	6,690	6,470	4,600	2,740	2,250	-
30	8,520	7,240	6,960	5,080	2,720	2,210	-
31	-	8,010	-	5,310	2,650	-	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
April 23-30	68,310	9,040	8,100	8,539	135,500
May	275,900	14,190	7,040	8,900	547,300
June	178,680	8,480	3,730	5,956	354,400
July	197,810	7,810	4,600	6,381	390,400
August	117,480	5,540	2,540	3,790	233,000
September	72,190	2,980	2,170	2,406	143,200
October 1-9	16,470	2,190	1,730	1,830	32,670
The period					1,836,000

Discharge, in second-feet, of Snake River at Dry Canyon, near Swan Valley, Idaho, 1934-36--Continued

1935

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						1,780	6,930	11,790	12,390	11,620	6,030	2,720
2						1,780	6,390	11,660	11,490	11,620	5,680	2,700
3						1,790	5,920	11,530	11,230	11,580	5,130	2,630
4						1,900	5,680	11,150	11,530	11,620	4,900	2,610
5						1,950	6,070	11,450	11,530	11,830	4,750	2,590
6						1,930	6,930	12,700	11,190	11,750	4,550	2,560
7						1,880	7,160	14,040	11,110	11,620	4,920	2,560
8						1,900	6,930	15,550	11,110	11,530	5,100	2,560
9						2,000	6,960	17,150	10,940	11,360	5,490	2,540
10						2,060	7,560	18,530	10,520	11,230	5,560	2,540
11						2,110	7,970	19,150	10,650	11,020	5,310	2,560
12						2,370	7,930	19,150	10,860	10,810	4,900	2,560
13						2,700	7,440	20,210	10,940	10,650	4,900	2,590
14						3,270	6,810	21,420	11,150	10,480	4,920	2,590
15						4,170	6,470	21,030	11,400	10,360	4,950	2,610
16						4,750	6,730	19,100	11,620	10,270	4,980	2,670
17						4,910	7,400	16,770	11,960	10,070	5,100	2,500
18						4,910	8,180	14,630	12,050	9,950	5,340	2,390
19						5,370	8,350	13,600	12,050	9,420	5,250	2,350
20						6,570	8,600	13,780	12,090	8,280	5,040	2,330
21						8,020	8,950	14,180	12,130	7,200	4,840	2,310
22						8,260	10,220	13,820	12,220	6,880	4,780	2,350
23						6,960	11,930	13,820	12,130	6,920	4,720	2,350
24						5,890	12,350	14,220	11,880	6,950	4,720	2,290
25						5,370	12,700	13,600	11,360	6,330	4,430	2,270
26						5,780	13,460	12,180	11,230	5,190	3,600	2,290
27						7,080	13,680	11,150	11,150	5,040	3,330	2,290
28						7,280	13,640	11,530	11,070	5,430	3,260	2,290
29						6,660	12,620	12,480	11,150	5,490	2,980	2,270
30						7,040	11,280	12,790	11,360	5,620	2,810	2,290
31						-	12,090	-	11,490	6,030	-	2,270

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
April	128,440	8,260	1,780	4,281	254,800
May	275,330	13,680	5,680	8,882	546,100
June	444,160	21,420	11,150	14,810	881,000
July	354,980	12,390	10,520	11,450	704,100
August	284,150	11,830	5,040	9,166	563,600
September	142,270	6,030	2,810	4,742	282,200
October	76,430	2,720	2,270	2,465	151,600
The period					3,383,000

Discharge, in second-feet, of Snake River at Dry Canyon, near Swan Valley, Idaho, 1934-36--Continued

1936

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						1,580	14,540	27,800	11,830	9,620	8,240	3,210
2						1,580	15,050	27,400	10,960	9,700	7,680	3,050
3						1,580	15,280	24,800	10,030	9,540	7,420	3,010
4						1,600	17,810	22,300	10,860	8,710	7,240	2,960
5						1,650	20,690	20,450	11,660	7,240	6,570	2,960
6						1,580	22,450	19,150	12,220	6,810	6,170	2,960
7						1,600	17,900	18,190	12,220	6,880	5,710	2,940
8						1,680	15,000	17,710	12,010	7,530	5,900	2,890
9						1,760	14,820	17,000	11,790	7,240	5,560	2,870
10						1,740	16,440	15,650	11,530	7,450	5,100	2,850
11						1,780	18,290	15,140	11,620	7,640	5,040	2,830
12						2,000	20,690	15,600	11,620	8,050	6,000	2,810
13						2,270	22,700	16,860	11,830	8,020	6,500	2,780
14						2,670	24,850	18,190	11,580	7,790	6,670	2,780
15						3,120	27,300	19,630	10,600	7,640	6,710	2,780
16						3,630	28,000	20,930	9,990	7,270	6,600	2,780
17						4,270	25,100	20,930	9,820	6,810	6,780	2,740
18						4,950	22,260	20,450	10,480	6,950	6,300	2,720
19						5,780	21,470	20,400	10,230	6,740	5,310	2,720
20						6,810	22,210	19,530	10,110	6,670	4,980	2,810
21						8,320	21,470	18,960	10,230	7,130	4,430	2,830
22						9,900	19,680	18,620	10,560	7,420	4,660	2,780
23						11,660	18,480	17,900	10,320	8,050	5,220	2,720
24						13,010	18,430	17,050	10,360	7,560	5,370	2,700
25						12,310	19,290	16,110	10,150	7,130	5,430	2,700
26						12,570	20,540	15,600	9,340	7,270	5,460	2,670
27						12,260	21,620	14,730	8,940	7,060	5,310	2,670
28						12,920	21,960	14,000	8,740	7,160	5,220	2,700
29						13,500	22,260	13,680	8,740	8,090	5,130	2,670
30						14,500	22,840	12,880	9,140	8,050	3,710	2,670
31						-	24,170	-	9,460	8,210	-	2,700

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
April	174,580	14,500	1,580	5,819	346,300
May	633,590	28,000	14,540	20,440	1,257,000
June	557,640	27,800	12,880	18,590	1,106,000
July	328,870	12,220	8,740	10,610	652,300
August	237,430	9,700	6,670	7,659	470,900
September	176,420	8,240	3,710	5,881	349,900
October	87,260	3,210	2,670	2,815	173,100
The period					4,356,000

Snake River below Burns Creek, near Chokecherry, Idaho

Location.- Water-stage recorder, lat. 43°35'45", long. 111°29'25" at southeast corner of sec. 10, T. 3 N., R. 42 E., three-quarters of a mile below mouth of Burns Creek and 4½ miles east of Chokecherry.

Records available.- April to October 1935 (discontinued).

Extremes.- Maximum daily discharge during period, 20,900 second-feet June 14 (gage height, 6.46 feet); minimum 2,110 second-feet Apr. 3 (gage height, 0.36 foot).

Remarks.- Records good. Discharge interpolated Apr. 2. Flow regulated by storage in Jackson Lake. Gage-height record collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1935

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						2,120	7,220	13,180	12,880	11,950	6,480	3,070
2						2,120	6,740	13,070	12,130	11,950	6,050	3,020
3						2,110	6,240	12,880	11,950	11,870	5,450	2,980
4						2,200	5,940	12,430	12,210	11,870	5,200	2,960
5						2,260	6,370	12,730	12,210	12,100	5,030	2,930
6						2,250	7,250	13,920	11,840	12,020	4,930	2,930
7						2,140	7,490	14,850	11,610	11,950	5,320	2,900
8						2,170	7,310	15,930	11,540	11,870	5,550	2,880
9						2,320	7,340	17,250	11,360	11,800	6,020	2,850
10						2,370	7,910	18,310	10,930	11,580	6,020	2,820
11						2,440	8,320	18,640	11,070	11,290	5,810	2,820
12						2,640	8,220	19,130	11,290	11,110	5,320	2,880
13						2,960	7,610	20,820	11,360	10,960	5,320	2,900
14						3,480	7,100	20,900	11,500	10,780	5,220	2,880
15						4,410	6,760	20,570	11,800	10,640	5,250	2,930
16						5,220	7,130	18,930	11,950	10,540	5,300	2,980
17						5,280	7,850	16,930	12,240	10,440	5,480	2,800
18						5,250	8,630	15,130	12,350	10,330	5,500	2,690
19						5,700	8,790	14,350	12,320	9,810	5,630	2,690
20						6,930	9,080	14,310	12,350	8,570	5,400	2,690
21						8,410	9,470	14,350	12,430	7,460	5,150	2,690
22						8,690	10,820	14,000	12,430	7,220	5,100	2,720
23						7,400	12,460	14,030	12,390	7,310	5,050	2,660
24						6,290	13,880	14,310	12,130	7,340	5,050	2,630
25						5,700	13,640	13,840	11,690	6,680	4,720	2,680
26						6,130	13,530	12,610	11,540	5,580	3,860	2,660
27						7,490	13,680	11,720	11,470	5,500	3,720	2,660
28						7,610	13,640	12,210	11,400	5,890	3,590	2,630
29						6,930	12,690	12,990	11,470	5,940	3,400	2,630
30						7,400	11,690	13,180	11,650	6,160	3,170	2,620
31						-	12,540	-	11,800	6,540	-	2,600

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
April	138,420	8,690	2,110	4,614	274,600
May	287,340	13,880	5,940	9,269	569,900
June	457,500	20,900	11,720	15,250	907,400
July	367,290	12,880	10,930	11,850	728,500
August	295,050	12,100	5,500	9,518	585,200
September	153,090	6,480	3,170	5,103	303,600
October	86,780	3,070	2,600	2,799	172,100
The period					3,541,000

Snake River near Heise, Idaho

Location.- Water-stage recorder, lat. 43°37', long. 111°40', in sec. 5, T. 3 N., R. 41 E., 3 miles above Heise. Zero of gage is 5,014.90 feet above mean sea level.

Drainage area.- 5,740 square miles.

Records available.- September 1910 to September 1936 (no winter records 1914-24).

Average discharge.- 16 years (1910-14, 1924-36), 6,680 second-feet.

Extremes.- Maximum discharge during year, 29,300 second-feet May 16 (gage height, 8.80 feet); minimum probably occurred during period of ice effect.
1910-36: Maximum discharge, about 60,000 second-feet May 19, 1927 (gage height, about 16.0 feet); minimum, 1,210 second-feet Jan. 22, 1935 (gage height, 1.15 feet).

Remarks.- Records excellent except those for periods of ice effect, Dec. 2-6, 15-31, Jan. 1 to Feb. 27, which are estimated and are fair. Station above all irrigation diversions from main river except Riley Ditch (capacity, about 30 second-feet), which diverts 1 mile above gage. About 105,000 acres irrigated by diversions from tributaries above station in both Wyoming and Idaho. Flow regulated by storage in Jackson Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3,030	2,470	2,170			1,920	1,890	14,700	25,300	12,200	9,940	8,640
2	2,950	2,520	2,170			1,940	1,810	15,000	28,100	11,300	10,000	8,050
3	2,900	2,590	2,170			1,940	1,800	15,100	25,700	10,400	9,880	7,740
4	2,880	2,520	2,170			1,920	1,820	17,800	22,800	11,200	9,120	7,590
5	2,880	2,490	2,170			1,920	1,850	21,200	20,800	12,100	7,560	6,880
6	2,880	2,500	2,170			1,920	1,810	23,500	19,300	12,600	7,080	6,470
7	2,860	2,540	2,200			1,940	1,810	18,600	18,400	12,700	7,110	5,980
8	2,850	2,560	2,200			1,940	1,910	15,500	18,000	12,500	7,930	6,190
9	2,850	2,620	2,180			1,950	2,030	15,400	17,400	12,300	7,620	5,900
10	2,830	2,640	2,180			1,960	2,050	17,000	16,100	12,000	7,870	5,450
11	2,830	2,490	2,170			1,940	2,080	19,000	15,500	12,000	7,960	5,200
12	2,850	2,370	2,150			1,890	2,330	21,500	16,100	12,000	8,460	6,220
13	2,860	2,420	2,230			1,920	2,660	23,300	17,300	12,000	8,360	6,820
14	2,860	2,390	2,170			1,920	2,980	25,400	18,800	11,800	8,140	7,020
15	2,900	2,360	2,100		1,900	1,940	3,500	27,800	20,300	10,900	8,050	7,050
16	2,950	2,360				1,890	3,940	28,600	21,600	10,300	7,680	6,960
17	2,810	2,440				1,840	4,510	26,200	21,400	10,100	7,110	7,140
18	2,660	2,470				1,870	5,240	23,000	20,900	10,900	7,230	6,640
19	2,610	2,470				1,880	6,140	21,700	20,700	10,600	6,990	5,630
20	2,590	2,440				1,850	7,170	22,400	19,700	10,500	6,880	5,270
21	2,590	2,410				1,880	8,640	22,100	19,200	10,600	7,380	4,710
22	2,620	2,370	2,000			1,910	10,400	20,400	18,900	11,000	7,560	4,860
23	2,590	2,360				1,890	12,000	18,900	18,200	10,700	8,240	5,470
24	2,520	2,340				1,880	13,400	18,900	17,500	10,700	7,870	5,680
25	2,540	2,330				1,890	12,700	19,700	16,500	10,500	7,410	5,790
26	2,560	2,280				1,880	12,900	21,000	16,100	9,710	7,620	5,870
27	2,540	2,280				1,890	12,600	22,100	15,200	9,250	7,410	5,630
28	2,540	2,310			1,970	1,920	13,100	22,600	14,400	8,990	7,380	5,550
29	2,540	2,250			1,960	1,940	13,600	22,700	14,200	8,960	8,420	5,550
30	2,520	2,180			-	1,850	14,600	23,200	13,400	9,420	8,360	4,110
31	2,490	-			-	1,840	-	24,600	-	9,740	8,520	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	84,880	3,030	2,490	2,738	168,400
November	72,770	2,640	2,180	2,426	144,300
December	64,600	2,230	-	2,084	128,100
Calendar year 1935	2,057,680	21,400	1,580	5,637	4,081,000
January	60,450	-	-	1,950	119,900
February	55,230	-	-	1,904	109,500
March	59,060	1,960	1,840	1,905	117,100
April	183,270	14,600	1,800	6,109	363,500
May	648,900	28,600	14,700	20,930	1,287,000
June	570,800	28,300	13,400	19,030	1,132,000
July	339,970	12,700	8,960	10,970	674,300
August	247,140	10,000	6,880	7,972	490,200
September	186,060	8,640	4,110	6,202	369,000
Water year 1935-36	2,573,130	28,600	-	7,030	5,103,000

Diversions from Snake River between Heise and Shelley gaging stations, Idaho

Between Heise and Shelley gaging stations 50 canals divert water from Snake River for irrigation, 40 above mouth of Henrys Fork and 10 below. Records showing combined discharge of all canals for part of each irrigation season 1919-36 are available. Most of these canals are equipped with staff gages read once daily; a few have water-stage recorders.

Records good except those for May, which are fair.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								475	5,940	8,120	7,460	6,870
2								497	4,790	7,800	7,150	6,330
3								518	4,470	7,680	7,000	6,180
4								481	4,160	7,750	6,920	6,120
5								539	3,990	7,720	6,070	6,040
6								667	4,110	8,400	6,070	5,950
7								950	4,030	8,520	6,100	5,440
8								990	4,010	8,600	6,350	5,530
9								1,170	3,870	8,550	6,120	5,910
10								1,950	4,040	8,480	6,120	5,530
11								2,800	4,470	8,250	6,150	5,460
12								3,550	5,380	8,240	6,160	5,800
13								4,570	6,500	8,100	6,470	5,970
14								5,390	7,140	7,910	6,440	6,480
15								6,310	8,280	7,620	6,340	5,970
16								6,590	9,280	7,740	6,230	5,820
17								6,780	9,780	7,790	5,770	5,670
18								7,150	9,980	8,180	6,040	5,410
19								7,320	9,680	8,180	5,860	5,150
20								7,560	10,100	8,280	5,910	4,860
21								7,320	9,920	8,230	6,430	4,750
22								7,330	9,810	8,270	6,540	5,100
23								7,440	9,690	8,240	6,570	5,260
24								7,100	9,760	7,870	6,680	5,290
25								7,570	9,490	7,490	6,260	5,310
26								7,920	8,450	7,120	6,120	4,840
27								8,330	8,220	6,650	6,100	4,790
28								7,970	8,110	6,640	6,100	4,200
29								8,270	8,140	6,890	6,640	4,440
30								8,180	8,170	7,180	6,590	3,870
31								7,540	-	7,200	6,820	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	151,227	8,330	475	4,878	300,000
June	213,760	10,100	3,870	7,125	424,000
July	243,690	8,600	6,640	7,861	483,400
August	197,580	7,460	5,770	6,374	391,900
September	164,340	6,870	3,870	5,478	326,000
The period					1,925,000

Note.- Records include discharge of Riley Ditch, which diverts from Snake River 1 mile above gaging station near Heise.

Snake River near Shelley, Idaho

Location.- Water-stage recorder, lat. 43°25', long. 112°8', in sec. 17, T. 1 N., R. 37 E., a quarter of a mile above Woodville highway bridge and 3 miles north of Shelley.

Records available.- March 1915 to September 1936.

Extremes.- Maximum discharge observed during year, 28,600 second-feet June 3 (gage height, 12.5 feet); minimum, 608 second-feet Oct. 6 (gage height, 3.42 feet).
1915-36: Maximum discharge, 47,200 second-feet June 17, 1918 (gage height, 16.97 feet); minimum, 288 second-feet Nov. 5, 1934 (gage height, 2.22 feet).

Remarks.- Records excellent except those for Oct. 17, 18, 24, 25, Nov. 3-7 (computed on basis of records for station at Clough ranch) and those for May 6-22 and June 3-5 (computed on basis of partial gage-height record and records for station at Clough ranch), which are fair. Discharge interpolated Nov. 1 and 22. No records obtained for Dec. 2 to Mar. 11 because of ice. Flow regulated by numerous canal diversions above station and by storage in Jackson Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,260	2,160	2,300			-	2,500	17,300	22,700	6,630	3,710	2,750
2	1,300	2,340				-	2,980	18,000	26,400	5,920	4,160	2,910
3	1,170	2,430				-	2,820	18,300	28,600	4,720	4,450	2,920
4	1,120	2,520				-	2,610	18,600	28,200	4,240	4,340	2,870
5	1,020	2,610				-	2,590	20,400	25,800	4,830	3,680	2,730
6	855	2,700				-	2,610	23,400	22,900	5,030	2,920	2,730
7	990	2,790				-	2,500	25,700	21,100	5,270	2,510	2,340
8	997	2,850				-	2,530	22,500	19,900	5,330	2,640	2,050
9	1,060	2,910				-	2,510	19,300	19,700	5,150	2,910	1,450
10	1,040	2,920				-	2,510	18,300	18,800	4,860	2,800	1,370
11	978	2,960				-	2,580	18,800	17,000	4,830	2,920	1,180
12	1,010	2,870				2,830	2,660	20,000	15,300	5,090	3,170	960
13	1,020	2,760				2,850	2,760	21,600	14,200	5,420	3,270	1,090
14	1,150	2,820				2,820	3,270	23,000	14,800	5,700	3,250	1,830
15	1,260	2,800				2,800	3,500	24,200	15,200	5,700	3,230	2,200
16	1,400	2,660				2,680	3,920	25,700	15,400	4,950	3,210	2,440
17	1,300	2,680				2,730	4,470	27,000	15,400	3,970	3,060	2,480
18	1,300	2,780				2,630	5,090	26,000	14,700	3,530	2,680	2,400
19	1,300	2,780				2,660	5,790	22,100	14,700	3,800	2,640	2,380
20	1,270	2,760				2,680	6,960	19,700	13,000	3,620	2,500	2,130
21	1,370	2,710				2,680	8,010	19,500	12,000	3,480	2,330	1,940
22	1,410	2,670				2,730	9,610	19,200	11,500	3,440	2,230	1,560
23	1,530	2,630				2,610	11,400	16,800	10,900	3,730	2,320	1,350
24	1,690	2,560				2,700	13,500	15,200	10,400	4,040	2,630	1,350
25	1,690	2,550				2,630	15,000	14,800	9,570	4,520	2,380	1,580
26	1,690	2,270				2,580	14,900	15,200	8,870	4,660	2,260	1,690
27	1,730	2,390				2,510	15,400	16,200	8,940	4,260	2,420	1,990
28	1,750	2,420				2,580	15,400	17,600	8,380	3,900	2,290	2,290
29	1,730	2,470				2,710	15,700	18,200	7,530	3,550	2,240	2,500
30	1,850	2,440				2,610	16,200	18,400	7,360	3,310	2,660	2,500
31	1,970	-				2,700	-	19,200	-	3,440	2,730	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	41,210	1,970	855	1,329	81,740
November	79,230	2,960	2,160	2,641	157,200
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 12-31	53,720	2,850	2,510	2,686	106,600
April	202,280	16,200	2,500	6,743	401,200
May	620,200	27,000	14,800	20,010	1,230,000
June	479,250	28,600	7,360	15,980	950,600
July	140,920	6,630	3,310	4,546	279,500
August	90,540	4,450	2,230	2,921	179,600
September	61,960	2,920	960	2,065	122,900
Water year					

Diversions from Snake River between Shelley and Clough ranch gaging stations, Idaho

Between Shelley and Clough ranch, 15 canals divert water from Snake River for irrigation. The two largest canals are equipped with recorders; the others with staff gages read once daily. Records showing combined discharge of these canals for part of each irrigation season 1919-36 are available.

Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								998	3,600	3,190	2,550	2,230
2								1,040	3,030	3,240	2,480	2,200
3								1,090	2,880	2,970	2,440	2,200
4								1,350	2,890	3,110	2,220	2,120
5								1,560	2,520	3,330	2,220	2,060
6								1,700	2,420	3,580	1,760	1,720
7								1,820	2,450	3,560	1,720	1,730
8								2,040	2,500	3,600	1,690	1,740
9								2,260	2,440	3,550	1,940	1,620
10								2,480	2,400	3,530	2,070	1,170
11								2,880	2,490	3,560	2,170	905
12								3,390	2,760	3,480	2,120	859
13								3,630	3,120	3,400	2,080	775
14								3,830	3,300	3,360	1,930	1,450
15								3,950	3,560	3,380	2,360	1,800
16								4,000	3,730	3,180	2,270	1,960
17								3,780	3,950	3,140	2,100	1,950
18								3,780	3,990	3,180	2,040	1,940
19								3,750	4,030	3,180	2,020	1,850
20								3,760	3,990	3,280	2,030	1,400
21								3,720	3,980	3,210	2,090	1,340
22								3,710	3,930	3,050	1,950	1,260
23								3,620	3,880	3,030	1,960	829
24								3,640	3,760	2,930	2,220	782
25								3,710	3,750	2,860	2,220	1,200
26								3,860	3,570	2,770	2,070	1,330
27								3,950	3,450	2,730	1,910	1,630
28								3,980	3,360	2,640	1,910	1,630
29								3,950	3,360	2,640	1,870	1,780
30								3,950	3,300	2,570	1,920	1,800
31								3,950	-	2,580	2,260	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	95,128	4,000	998	3,069	188,700
June	98,390	4,030	2,400	3,280	195,200
July	97,810	3,600	2,570	3,155	194,000
August	64,590	2,550	1,690	2,084	128,100
September	47,260	2,230	775	1,575	93,740
The period					799,700

Snake River at Clough ranch, near Blackfoot, Idaho

Location.- Water-stage recorder, lat. 43°7', long. 112°31', in sec. 31, T. 3 S., R. 34 E., a quarter of a mile below mouth of Blackfoot River and 14 miles southwest of Blackfoot.

Drainage area.- 11,700 square miles.

Records available.- June 1910 to September 1936.

Extremes.- Maximum discharge during year, 25,200 second-feet June 4 (gage height, 10.98 feet); minimum daily discharge, 158 second-feet Oct. 10 (gage height, 0.97 foot).
1910-36: Maximum discharge, 46,200 second-feet June 18, 1918 (gage height, 14.80 feet): minimum, 111 second-feet Nov. 10, 1934 (gage height, 0.80 foot).

Remarks.- Records excellent. Discharge interpolated for Oct. 24 and Jan. 26, 27, 31 and estimated for Feb. 10-12. Flow regulated by storage in Jackson Lake and Blackfoot-Marsh reservoirs. Numerous irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	226	960	2,240	2,050	1,170	2,170	2,080	15,800	16,300	3,630	705	280
2	201	1,350	2,140	2,180	1,380	2,320	2,160	16,400	20,400	2,760	1,110	296
3	215	1,940	1,860	2,040	1,270	2,440	2,030	16,600	24,300	2,250	1,750	412
4	191	2,050	1,740	2,150	1,310	2,430	2,120	16,700	25,000	1,090	2,050	528
5	169	2,360	1,910	2,100	1,530	2,460	2,160	17,500	23,700	938	2,150	570
6	175	2,510	2,000	1,760	1,580	2,470	2,140	19,600	21,200	1,270	1,520	705
7	166	2,520	2,010	1,640	1,400	2,590	2,100	22,800	19,300	1,220	1,300	775
8	163	2,670	2,400	1,590	1,280	2,570	2,040	21,800	17,900	1,490	972	498
9	169	2,820	2,470	1,460	1,250	2,780	2,050	17,500	17,400	1,400	890	365
10	158	2,760	2,400	1,420	1,250	2,680	2,030	15,100	16,900	1,250	790	239
11	179	2,800	2,380	1,540	1,250	2,760	2,050	14,800	15,300	1,060	528	212
12	201	2,730	2,410	1,730	1,250	2,820	2,070	15,000	13,400	1,390	628	264
13	198	2,570	2,460	2,260	1,360	2,670	2,100	16,000	11,600	1,930	898	228
14	215	2,630	2,360	2,350	1,570	2,670	2,290	17,400	11,200	2,130	1,020	225
15	245	2,620	2,340	2,360	1,740	2,590	2,630	18,200	11,600	2,180	914	254
16	286	2,590	1,750	2,220	1,760	2,600	2,870	19,800	11,200	1,910	842	260
17	404	2,540	1,280	2,110	1,620	2,590	3,270	21,700	11,100	1,150	890	439
18	452	2,630	1,020	1,980	1,560	2,510	3,730	21,700	10,600	498	798	510
19	458	2,620	944	2,010	1,750	2,350	4,360	18,700	10,300	284	522	492
20	486	2,630	1,040	1,780	1,750	2,320	5,230	15,900	9,340	318	480	534
21	538	2,600	1,030	1,590	1,680	2,300	6,360	15,300	8,240	225	336	609
22	607	2,540	1,220	1,700	1,940	2,230	7,860	15,300	7,620	197	222	492
23	607	2,510	1,400	1,840	2,240	2,260	10,000	13,900	7,170	197	201	462
24	620	2,470	1,480	1,900	2,340	2,220	12,000	12,100	6,820	345	195	450
25	634	2,460	1,630	1,750	2,340	2,170	13,900	11,200	6,250	812	228	296
26	627	2,320	1,830	1,660	2,230	2,100	14,600	11,000	5,700	1,460	193	350
27	627	2,180	1,980	1,570	2,220	2,030	14,900	11,300	5,480	1,400	187	332
28	640	2,290	2,110	1,470	2,120	1,980	14,900	12,500	5,220	1,150	230	385
29	647	2,350	2,100	1,210	2,120	2,100	14,900	13,300	4,440	850	208	552
30	681	2,340	2,220	1,180	-	2,110	15,200	13,700	4,110	602	195	628
31	772	-	2,180	1,180	-	2,160	-	14,000	-	486	239	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,957	772	158	386	23,720
November	72,360	2,820	960	2,412	143,500
December	58,334	2,470	944	1,882	115,700
Calendar year 1935	827,806	10,600	158	2,268	1,642,000
January	55,780	2,360	1,180	1,800	110,600
February	48,260	2,340	1,170	1,664	95,720
March	74,450	2,820	1,980	2,402	147,700
April	176,130	15,200	2,030	5,871	349,300
May	502,600	22,800	11,000	16,210	996,900
June	379,090	25,000	4,110	12,640	751,900
July	37,872	3,630	197	1,222	75,120
August	23,191	2,150	187	748	46,000
September	12,642	775	212	421	25,080
Water year 1935-36	1,452,666	25,000	158	3,969	2,881,000

American Falls Reservoir at American Falls, Idaho

Location.- Water-stage recorder, lat. 42°46', long. 112°53', in sec. 30, T. 7 S., R. 31 E., at outlet gates of reservoir at American Falls.

Records available.- March 1926 to September 1936.

Remarks.- American Falls Reservoir impounds water for supplemental irrigation of lands under various canals diverting from Snake River at Minidoka and Milner Dams. It has a capacity of 1,700,000 acre-feet between elevations 4,295.70 and 4,354.50 feet, mean sea-level datum. Gage-height record and capacity table furnished by U. S. Bureau of Reclamation.

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

	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	46,960	98,770	281,970	489,960	704,880	928,450	1,187,560	1,530,420	1,716,320	1,649,860	1,191,800	774,350
2	48,180	101,190	289,090	498,010	709,660	936,950	1,195,560	1,554,370	1,721,450	1,637,700	1,179,550	761,730
3	49,000	103,330	296,050	510,830	716,150	945,970	1,204,980	1,577,030	1,725,440	1,626,650	1,171,080	749,870
4	50,230	107,640	302,710	512,820	722,480	955,990	1,213,550	1,594,960	1,722,590	1,617,250	1,160,280	738,630
5	51,450	111,430	308,920	520,220	728,100	965,170	1,221,220	1,604,750	1,719,170	1,606,380	1,148,750	727,400
6	52,780	114,620	315,580	528,580	733,720	974,770	1,225,540	1,629,960	1,714,610	1,592,250	1,137,690	717,920
7	54,270	118,410	322,410	535,330	740,740	983,110	1,233,210	1,650,420	1,705,600	1,575,400	1,125,700	710,000
8	54,950	123,610	329,060	541,490	747,410	992,110	1,236,570	1,671,970	1,714,610	1,559,170	1,111,050	702,150
9	56,190	127,940	336,890	547,940	753,070	999,410	1,242,800	1,688,230	1,722,590	1,543,730	1,096,620	692,920
10	56,860	133,870	344,830	553,810	758,480	1,010,140	1,247,600	1,693,830	1,726,010	1,529,350	1,081,740	683,020
11	57,080	140,190	353,860	559,840	764,250	1,020,870	1,252,870	1,706,720	1,719,170	1,513,380	1,067,390	674,010
12	56,410	145,950	360,700	567,410	770,380	1,030,850	1,257,680	1,718,600	1,706,720	1,499,170	1,051,540	663,720
13	57,530	151,700	370,090	574,980	776,150	1,039,660	1,262,070	1,725,440	1,700,560	1,484,510	1,037,460	653,100
14	56,970	157,900	378,850	582,850	783,360	1,050,660	1,267,910	1,720,880	1,703,360	1,470,370	1,023,870	645,230
15	56,630	164,150	387,360	592,160	791,420	1,059,910	1,276,190	1,709,520	1,709,520	1,455,730	1,012,720	640,400
16	58,880	169,150	395,230	602,790	799,200	1,070,030	1,284,960	1,706,160	1,715,750	1,445,450	999,840	633,950
17	60,790	173,960	402,150	612,790	806,610	1,079,940	1,294,210	1,711,760	1,720,310	1,432,590	988,680	628,150
18	63,490	181,840	407,280	620,420	813,650	1,088,060	1,304,920	1,716,320	1,718,600	1,417,680	977,270	624,280
19	65,700	190,910	411,130	628,470	820,690	1,097,070	1,314,320	1,711,760	1,719,740	1,401,310	967,260	622,030
20	68,020	198,740	414,210	636,210	827,460	1,105,640	1,328,180	1,709,520	1,717,460	1,386,180	953,900	619,770
21	70,350	205,400	419,420	643,620	836,230	1,104,740	1,343,030	1,703,920	1,712,900	1,370,040	942,630	617,520
22	74,270	215,640	424,150	649,780	845,750	1,117,400	1,359,950	1,702,800	1,707,840	1,351,940	928,450	612,790
23	77,490	222,970	429,400	656,090	858,330	1,123,400	1,374,580	1,702,800	1,705,040	1,335,110	915,510	611,230
24	80,540	230,120	434,920	662,060	870,380	1,131,230	1,390,720	1,701,120	1,701,680	1,316,790	898,220	610,290
25	83,720	237,700	440,970	668,370	879,790	1,137,690	1,406,880	1,702,800	1,698,880	1,298,100	884,100	609,670
26	86,510	245,060	446,860	675,010	888,030	1,138,150	1,425,910	1,708,400	1,694,960	1,283,980	866,060	610,600
27	88,770	252,270	453,590	680,990	897,440	1,144,600	1,446,480	1,712,900	1,687,110	1,269,860	851,470	607,790
28	89,960	260,270	460,590	686,430	907,020	1,153,360	1,467,230	1,718,600	1,674,780	1,252,970	835,460	606,230
29	90,360	268,060	467,320	692,240	919,150	1,158,890	1,487,650	1,722,590	1,668,110	1,238,490	818,840	605,910
30	94,780	275,070	474,190	697,020	-	1,171,080	1,509,120	1,720,310	1,659,810	1,221,220	802,540	606,230
31	96,490	-	481,660	701,460	-	1,184,730	-	1,718,600	-	1,205,450	786,970	-

Snake River at Neeley, Idaho

Location.- Water-stage recorder, lat. 42°45', long. 112°54', in sec. 31, T. 7 S., R. 31 E., about 1 mile below American Falls Dam. Discharge measurements are made in sec. 11, T. 8 S., R. 30 E., half a mile north of Neeley and 3 miles downstream from recorder. Published discharge shows flow at latter point.

Records available.- March 1906 to September 1936.

Extremes.- Maximum discharge during year, 28,400 second-feet June 4, 5 (gage height, 9.05 feet); minimum, 144 second-feet Feb. 28 (gage height, 0.73 foot).
1906-36: Maximum discharge, 48,400 second-feet June 20, 1918 (gage height, 13.5 feet, at former site 3 miles downstream); minimum, 124 second-feet several days during November and December 1932 (gage height, 0.50 foot).

Remarks.- Records excellent. Flow regulated by operation of gates at American Falls Dam. About 700,000 acres of land irrigated from Snake River and its tributaries 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	2,240	2,570	1,360	215	1,330	222	628	7,260	17,300	11,600	10,600	9,330
2	2,240	2,570	1,360	1,040	758	220	710	7,220	19,100	11,100	10,000	9,080
3	2,130	2,570	1,130	993	907	222	710	8,740	25,600	8,870	9,890	9,080
4	2,030	3,060	1,090	993	909	225	973	10,200	28,400	8,870	10,100	9,030
5	1,990	3,030	1,100	220	918	225	1,390	10,200	28,400	8,990	10,300	8,490
6	1,990	3,030	1,100	1,180	945	225	1,550	11,300	28,300	11,200	10,300	8,030
7	2,040	2,490	1,060	1,180	910	225	1,980	13,400	22,000	11,700	10,600	7,620
8	2,200	2,410	1,080	1,200	916	225	2,130	13,500	17,300	11,700	11,000	7,380
9	2,200	2,480	1,080	1,240	916	213	2,130	16,900	17,400	11,600	11,100	7,380
10	2,460	2,570	944	1,220	916	195	2,110	13,400	20,400	11,700	11,100	7,380
11	2,470	2,570	689	1,040	926	195	2,110	10,000	23,700	11,600	11,100	7,990
12	2,780	2,420	646	211	488	195	2,110	12,700	20,800	11,500	11,000	7,200
13	2,790	2,470	668	972	218	195	1,770	18,000	14,700	11,400	10,600	7,060
14	2,810	2,400	662	971	215	195	1,560	21,900	10,700	11,000	9,890	6,540
15	2,810	2,400	657	468	215	197	1,440	21,800	10,700	10,800	9,590	6,490
16	2,160	2,020	804	215	215	195	1,110	21,800	10,900	10,800	9,380	6,020
17	1,890	1,930	1,010	218	215	187	910	21,900	12,300	10,700	8,990	5,460
18	1,690	1,780	1,350	519	334	403	795	21,900	13,300	10,700	8,870	4,460
19	1,670	1,590	1,720	480	450	1,020	804	21,900	13,300	10,900	8,870	4,260
20	1,670	1,310	1,200	599	445	1,010	795	21,800	13,300	11,500	8,990	4,260
21	1,690	1,240	1,150	1,040	320	1,050	804	19,500	13,300	11,800	9,550	4,240
22	1,710	1,260	1,150	1,390	280	940	2,400	17,600	12,300	11,800	9,720	4,280
23	1,730	1,260	1,150	1,430	218	1,090	4,110	17,500	11,000	11,800	9,760	4,260
24	1,720	1,260	1,060	1,340	228	1,420	5,820	14,900	10,900	11,700	10,700	3,690
25	1,730	1,270	1,020	960	225	1,440	6,820	11,300	10,900	11,800	11,100	3,370
26	2,070	1,280	1,060	804	222	1,470	6,860	10,700	10,900	11,900	11,000	3,350
27	2,160	1,290	1,040	951	175	1,340	6,820	11,300	11,200	11,800	11,000	3,330
28	2,210	1,290	1,020	1,040	144	984	6,820	11,800	11,500	11,800	11,000	3,330
29	2,160	1,290	1,020	1,520	201	920	6,820	14,900	11,400	11,700	11,000	3,000
30	2,470	1,270	1,040	1,550	-	710	7,100	17,300	11,400	11,600	10,900	2,530
31	2,570	-	955	1,580	-	558	-	17,300	-	11,000	10,100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	66,480	2,810	1,670	2,145	131,900
November	60,380	3,060	1,240	2,013	119,800
December	32,375	1,720	646	1,044	64,210
Calendar year 1935	1,636,040	11,900	478	4,482	3,245,000
January	28,779	1,580	211	928	57,080
February	15,159	1,330	144	523	30,070
March	17,911	1,470	187	578	35,530
April	82,089	7,100	628	2,736	162,800
May	469,920	21,900	7,220	15,160	932,100
June	482,700	28,400	10,700	16,090	957,400
July	346,830	11,900	8,870	11,190	687,900
August	318,100	11,100	8,870	10,260	630,900
September	177,920	9,330	2,530	5,931	352,900
Water year 1935-36	2,098,643	28,400	144	5,734	4,163,000

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Lake Walcott near Minidoka, Idaho

Location.- Hook gage, lat. 42°40', long. 113°29', in sec. 1, T. 9 S., R. 25 E., in backwater formed by Minidoka Dam, 6 miles southeast of Minidoka. Zero of gage is 4,150.48 feet above mean sea level.

Records available.- April 1909 to September 1936.

Remarks.- Lake Walcott floods 11,900 acres at gage height of 45.13 feet and impounds 98,700 acre-feet between gage heights 36 and 45.13 feet for irrigation of lands on Minidoka project of U. S. Bureau of Reclamation. Considerable water is stored below gage height of 36 feet but is not available for irrigation withdrawal through canals that divert from the lake. Gage-height record and capacity table furnished by U. S. Bureau of Reclamation.

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	23,300	24,620	69,630	63,920	64,580	71,830	76,770	85,400	98,800	94,020	96,750	88,900
2	23,700	25,940	69,740	63,480	64,800	71,940	78,240	84,240	99,760	94,490	96,390	86,330
3	22,890	27,760	70,400	63,150	64,030	72,050	79,260	82,980	98,560	94,250	95,310	85,870
4	21,880	30,630	70,070	63,480	64,030	72,050	79,480	81,170	100,010	94,140	94,370	84,940
5	20,660	33,530	69,740	63,480	64,140	71,830	82,410	77,000	99,520	94,370	93,670	83,770
6	19,740	38,400	69,630	62,050	64,360	71,610	84,350	77,900	99,760	94,140	92,620	81,620
7	18,450	40,170	69,630	62,710	64,360	71,390	86,570	81,850	99,760	94,140	91,810	79,710
8	17,060	43,760	69,630	63,260	64,140	71,170	85,170	85,980	98,560	95,180	91,690	77,900
9	15,480	46,300	69,850	64,140	64,140	70,730	86,450	91,110	99,160	95,430	91,920	75,650
10	13,500	50,520	70,070	64,360	64,140	70,620	86,570	95,670	99,280	96,390	93,090	73,500
11	11,910	53,540	69,960	65,010	64,140	70,290	86,800	92,160	100,250	96,270	93,900	71,720
12	11,120	55,260	69,190	64,800	64,580	69,850	87,150	92,390	99,640	97,840	94,720	69,520
13	11,620	57,730	68,310	64,140	63,920	69,740	86,800	98,080	96,630	98,440	96,870	67,650
14	11,710	59,560	67,870	64,800	63,480	69,960	87,270	97,840	98,560	99,160	97,110	65,670
15	13,200	61,280	67,100	65,450	63,040	70,070	87,500	96,150	99,520	97,590	97,590	64,690
16	14,880	62,820	66,440	64,140	62,820	69,960	87,850	95,910	101,210	98,320	97,350	64,030
17	15,480	64,250	65,890	63,040	62,490	69,630	88,310	97,350	99,760	97,590	96,750	63,260
18	16,070	65,230	65,450	62,600	62,160	68,310	87,730	97,110	96,990	96,270	94,950	61,610
19	16,170	66,110	65,230	61,940	62,050	67,870	86,100	95,670	97,960	94,020	94,140	59,990
20	15,680	66,550	65,890	61,830	62,050	68,090	84,700	96,630	98,560	93,550	91,570	58,480
21	14,780	66,990	66,110	61,280	62,820	65,890	83,310	96,870	98,560	93,900	89,600	57,840
22	16,270	67,320	66,110	61,500	66,000	66,990	82,070	96,870	99,040	93,790	88,310	55,040
23	16,470	67,210	66,220	62,160	69,960	66,990	81,620	97,470	98,560	94,250	86,570	54,720
24	16,770	66,990	66,000	62,710	71,390	68,310	80,950	97,590	97,350	94,600	84,940	54,180
25	17,060	67,210	66,110	63,480	71,720	68,640	82,640	96,630	95,670	94,020	85,400	53,320
26	17,660	67,320	65,780	62,600	71,390	68,530	85,640	95,670	94,840	94,490	85,640	52,030
27	19,040	67,650	65,670	62,600	71,500	69,850	88,660	94,950	93,550	94,720	86,570	50,960
28	20,050	68,310	65,230	62,380	71,610	71,830	90,290	94,950	92,390	95,430	87,150	49,890
29	19,850	69,080	65,010	62,380	71,720	73,620	89,830	95,430	93,440	96,150	87,960	49,150
30	21,670	69,190	64,800	63,260	-	75,870	86,680	97,350	93,670	96,510	88,430	48,410
31	23,300	-	64,470	63,810	-	77,230	-	98,560	-	96,630	88,660	-

Snake River near Minidoka, Idaho

Location.- Water-stage recorder, lat. 42°40', long. 113°30', in sec. 2, T. 9 S., R. 25 E., 1 mile below Minidoka Dam and 6 miles southeast of Minidoka.

Records available.- April 1910 to September 1936. Records prior to 1910 at Montgomery Ferry, 6 miles downstream.

Extremes.- Maximum discharge during year, 26,500 second-feet June 5 (gage height, 12.67 feet); minimum, 150 second-feet Mar. 15 (gage height, 2.02 feet).
1910-36: Maximum discharge, 45,900 second-feet June 21, 1918 (gage height, 16.02 feet); minimum, 82 second-feet several hours each day Nov. 10-15, 1934 (gage height, 1.70 feet).

Remarks.- Records good. Discharge for periods of ice effect, Dec. 17-19, Jan. 10-12, 28-31, and Feb. 1-15, computed on basis of power output records at plant 1 mile upstream. Flow regulated by storage at American Falls and Lake Walcott Reservoirs and by diversion 1 mile upstream for irrigation in Minidoka project.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,190	1,630	1,130	1,050	1,090	416	274	6,000	14,200	8,200	8,170	7,040
2	1,430	1,410	1,010	1,140	900	425	246	5,690	16,000	7,860	7,970	7,010
3	1,610	1,190	1,140	1,170	830	500	281	6,270	22,000	5,780	7,940	7,070
4	1,610	1,320	1,160	1,200	830	544	239	9,070	25,400	5,630	8,120	7,010
5	1,610	1,470	1,160	1,270	880	592	239	8,220	26,500	5,480	8,260	6,980
6	1,610	1,300	1,140	1,020	870	592	239	7,510	26,200	7,770	8,230	6,980
7	1,660	820	1,160	1,020	880	592	1,440	8,070	22,800	8,440	8,230	6,650
8	1,950	550	1,140	1,050	880	586	2,040	8,820	16,500	8,460	8,230	6,390
9	2,180	586	1,140	1,260	870	580	1,960	10,800	16,200	8,460	8,260	6,370
10	2,360	580	1,130	1,290	870	562	1,980	11,900	18,100	8,380	8,230	6,340
11	2,150	1,090	1,110	1,290	920	586	1,960	8,190	22,100	8,700	8,060	6,470
12	1,960	1,100	1,140	900	810	562	1,960	7,950	21,900	8,670	8,030	6,440
13	1,800	1,250	1,150	984	710	355	1,670	10,900	14,600	8,320	7,830	6,110
14	1,670	1,390	1,190	1,220	630	165	1,450	19,200	8,030	8,580	7,650	5,780
15	1,630	1,390	1,180	1,770	580	252	1,350	18,400	7,880	8,520	7,650	5,580
16	1,540	1,200	1,240	1,410	568	550	840	18,600	8,320	8,550	7,680	5,100
17	1,470	1,090	1,370	819	598	568	721	18,800	11,200	8,780	7,430	4,700
18	1,280	1,090	1,520	616	646	1,060	1,140	18,800	10,900	8,810	7,570	4,280
19	1,170	1,090	1,490	864	664	1,340	1,110	18,600	9,860	8,750	7,540	4,000
20	1,200	1,090	1,290	1,010	682	1,400	1,060	19,200	9,860	8,700	7,740	3,980
21	1,220	1,090	1,270	1,170	770	1,160	1,080	17,900	9,960	8,520	7,740	3,860
22	1,170	1,090	1,280	1,210	992	1,050	1,340	14,400	9,320	8,490	7,740	3,800
23	1,170	1,160	1,310	1,230	714	1,050	3,270	14,400	7,910	8,460	7,710	3,660
24	1,170	1,090	1,260	1,330	742	1,060	4,030	12,900	8,290	8,460	8,030	3,070
25	1,170	1,110	1,250	1,310	682	1,110	3,840	9,320	8,290	8,700	7,940	3,140
26	1,110	1,110	1,280	1,220	562	1,190	3,600	7,940	7,970	8,750	7,880	2,940
27	1,060	1,090	1,340	1,210	445	1,060	3,740	8,200	7,970	8,670	7,860	2,920
28	1,060	1,070	1,380	1,130	425	250	4,380	8,140	8,200	8,550	7,830	2,900
29	1,170	1,070	1,330	1,100	425	207	5,760	10,100	8,140	8,580	7,800	2,650
30	1,260	1,140	1,340	1,190	-	180	6,350	13,200	8,230	8,490	7,800	2,310
31	1,620	-	1,330	1,210	-	207	-	13,900	-	8,260	7,460	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	46,260	2,360	1,060	1,492	91,760
November	33,656	1,630	550	1,122	66,760
December	38,360	1,520	1,010	1,237	76,090
Calendar year 1935	1,251,593	8,730	120	3,429	2,483,000
January	35,663	1,770	616	1,150	70,740
February	21,465	1,090	425	740	42,580
March	20,751	1,400	165	669	41,160
April	59,589	6,360	239	1,986	118,200
May	371,450	19,200	5,690	11,980	736,800
June	412,830	26,500	7,880	13,760	818,800
July	254,770	8,810	5,480	8,218	505,300
August	244,610	8,260	7,430	7,891	485,200
September	151,530	7,070	2,310	5,051	300,600
Water year 1935-36	1,690,934	26,500	165	4,620	3,354,000

Snake River at Milner, Idaho

Location.- Water-stage recorder, lat. 42°32', long. 114°1' in sec. 29, T. 10 S., R. 21 E., a quarter of a mile below Milner Dam, at Milner.

Records available.- May 1909 to September 1936.

Extremes.- Maximum discharge during year, 20,100 second-feet Jan. 6 (gage height, 18.83 feet); minimum, 2 second-feet Mar. 17-28; minimum gage height, 1.18 feet Mar. 28.
1909-36: Maximum discharge, 44,400 second-feet June 12, 1909 (gage height, 20.10 feet, on old gage); minimum, that of Mar. 17-28, 1936.

Remarks.- Records good. Flow regulated by operation of American Falls and Lake Walcott Reservoirs and by diversions for irrigation at Milner Dam, just above station. Station is below all irrigation diversions from upper Snake River. Flow includes some stored water used downstream by Idaho Power Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	304	296	301	372	350	200	256	18	5,670	17	147	167
2	304	296	301	370	315	200	288	19	6,540	17	143	196
3	307	307	301	367	301	202	258	16	12,400	40	143	200
4	307	312	301	367	301	204	231	1,700	17,600	45	147	198
5	307	315	299	367	301	204	246	1,460	19,600	45	147	202
6	304	307	301	367	301	200	216	110	19,200	32	145	202
7	304	304	304	356	301	194	208	1,690	18,200	18	142	200
8	304	307	304	356	296	194	293	1,360	9,850	24	121	200
9	304	301	304	356	296	189	328	2,390	9,000	26	119	198
10	307	307	301	358	296	194	204	4,290	9,580	24	119	200
11	307	310	328	367	296	198	46	1,550	15,200	25	123	228
12	304	304	364	372	296	198	35	26	15,700	196	121	251
13	304	301	358	375	246	198	32	315	10,000	198	123	251
14	307	301	372	372	200	196	30	10,100	1,950	194	121	256
15	307	301	375	497	198	32	30	9,840	1,420	196	118	293
16	307	301	370	1,260	196	4	28	9,580	1,430	191	119	304
17	307	307	364	961	193	2	26	9,940	2,730	181	116	304
18	307	301	364	514	200	2	14	10,000	3,740	111	118	301
19	307	304	372	370	204	2	6	9,240	2,600	96	119	299
20	299	301	381	361	200	2	7	10,200	2,190	131	121	299
21	296	301	378	364	202	2	8	9,250	2,180	136	119	301
22	304	304	372	367	212	2	8	6,840	1,870	133	96	299
23	304	304	370	367	453	2	6	5,880	162	140	96	299
24	304	304	372	367	1,170	2	7	5,250	48	143	94	301
25	307	304	372	370	1,120	2	7	2,350	32	142	97	296
26	307	301	370	372	1,100	2	8	228	34	143	123	307
27	307	301	370	370	413	2	8	136	29	147	124	301
28	304	307	372	372	200	279	9	68	18	147	124	304
29	296	310	375	375	198	929	10	647	18	147	124	304
30	304	307	378	375	-	798	12	4,510	18	150	124	301
31	301	-	378	375	-	350	-	5,430	-	147	126	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,442	307	296	305	18,730
November	9,126	315	296	304	18,100
December	10,772	381	299	347	21,370
Calendar year 1935	66,489	404	4	182	131,900
January	13,159	1,260	356	424	26,100
February	10,355	1,170	193	357	20,540
March	5,185	929	2	167	10,280
April	2,865	328	6	95.5	5,680
May	124,433	10,200	16	4,014	246,800
June	189,009	19,600	18	6,300	374,900
July	3,382	198	17	109	6,710
August	3,821	147	94	123	7,580
September	7,762	307	167	259	15,400
Water year 1935-36	389,311	19,600	2	1,064	772,200

Snake River near Kimberly, Idaho

Location.- Water-stage recorder, lat. 42°36', long. 114°22', in SE¼ sec. 32, T. 9 S., R. 18 E., half a mile below Twin Falls, 2½ miles above Shoshone Falls, and 4 miles north of Kimberly.

Records available.- July 1923 to September 1936.

Average discharge.- 13 years, 2,430 second-feet.

Extremes.- Maximum discharge during year, 21,200 second-feet June 5 (gage height, 13.65 feet); minimum, undetermined leakage of Twin Falls power plant.
1923-36: Maximum discharge, 27,200 second-feet July 4, 1927 (gage height, 14.76 feet); minimum, that of 1936.

Remarks.- Records good except those estimated, which are fair. Practically entire flow during irrigation season is diverted at Milner; no diversions between Milner and Kimberly. Regulation by Twin Falls power plant, half a mile above, beginning Nov. 23, 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	665	680	665						6,120			
2	680	695	652					*350	6,950			
3	680	680	*700						*12,500			
4	710	695	755					*700	*18,000			
5	710	695		*700				2,140	*21,000			
6	710	710					*600	915	20,700	*400		*680
7	725	695						*900	19,800			
8	725	695				*500		*1,600	11,900			
9	725	710						1,970	10,200			
10	725	680	*650					4,640	10,200			
11	725	680			*600			2,660	*15,000			
12	740	695		*800				845	*16,500			
13	725	695						*600	*13,500	*450		
14	725	680						*7,300	3,800			
15	740	680		*1,000				9,950	1,560	695		*770
16	725	680	695	*1,300				10,500	1,520			
17	725	695		*1,500				11,000	2,020			
18	725	695	*680	*1,200				11,000	4,480			830
19	725	680		*900				10,200	3,030			
20	710	680	680	*800				10,500	2,210			
21	695	665					*350	10,200	2,210			
22	695	680			*1,000	*350		7,820	2,450			
23	695				*1,300			6,320	1,130			
24	695	*500			*1,600			6,320	670	*550		
25	695				*1,600			2,550				*800
26	695		*700	*700	*1,500			1,250				
27	695				1,380				*400			
28	695	*650			880			*550				
29	695				*670							
30	680				-	*800		2,500				
31	695	-			-		-	5,920	-			-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	21,950	740	665	708	43,540
November	19,890	-	-	663	39,450
December	21,037	-	-	679	41,730
Calendar year 1935	193,643	770	315	531	384,100
January	24,600	1,500	-	794	48,790
February	22,530	1,600	-	777	44,690
March	14,450	-	-	466	28,660
April	13,000	-	-	433	25,790
May	133,000	11,000	-	4,290	263,800
June	209,850	21,000	-	6,995	416,200
July	15,245	-	-	492	30,240
August	17,980	-	-	*580	35,660
September	22,620	-	-	754	44,870
Water year 1935-36	536,152	21,000	-	1,465	1,063,000

*Estimated.

Snake River near Twin Falls, Idaho

Location.- Water-stage recorder, lat. 42°36', long. 114°29', in SW¼SW¼ sec. 33, T. 9 S., R. 17 E., at Perrine Bridge, 4 miles north of city of Twin Falls and 4 miles below Shoshone Falls. Outlet of Blue Lakes enters Snake River 200 feet below gage.

Records available.- September 1911 to June 1917, May 1919 to September 1936.

Average discharge.- 22 years (1911-16, 1919-36), 4,160 second-feet.

Extremes.- Maximum discharge during year, 21,900 second-feet June 5 (gage height, 11.32 feet); minimum (estimated), 250 second-feet Apr. 16 (gage height, 1.51 feet).
1911-17, 1919-36: Maximum discharge, 32,200 second-feet June 10, 1914 (gage height, 13.3 feet); minimum, that of Apr. 16, 1936.

Remarks.- Records good. Discharge Sept. 3-23 computed on basis of records for station at Milner. No diversions except by small ranch ditches between this station and the one at Milner, where practically the entire flow is diverted during irrigation season.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	952	944	846	838	830	808	894	414	6,690	532	741	815
2	952	878	878	886	778	727	762	549	7,640	566	713	815
3	961	902	808	927	792	685	659	398	12,800	532	808	
4	918	910	894	910	713	659	678	532	18,600	410	734	850
5	927	878	894	944	734	659	678	2,140	21,200	428	713	
6	944	936	894	878	748	633	640	1,520	21,200	620	778	
7	952	910	886	878	770	620	626	800	20,800	633	741	
8	952	894	822	854	778	590	640	1,740	13,100	532	755	875
9	961	918	822	870	748	596	596	2,070	11,100	549	685	
10	918	878	822	910	713	584	633	5,260	11,100	544	678	
11	952	846	808	978	778	626	652	3,680	15,900	532	692	
12	961	838	808	1,030	785	633	572	1,460	17,600	549	846	
13	970	902	815	927	808	554	516	713	14,700	544	713	925
14	970	894	878	978	785	532	516	7,110	4,640	608	720	
15	918	886	870	1,290	792	572	490	11,400	1,870	640	720	
16	970	894	770	1,380	692	527	346	11,100	1,740	792	854	
17	970	894	846	1,800	678	596	311	11,600	2,280	755	646	
18	970	902	862	1,470	734	505	428	11,900	4,640	678	713	
19	970	878	886	1,100	748	470	465	11,100	3,590	675	748	
20	978	870	878	995	678	442	510	11,400	2,740	692	727	1,000
21	978	886	870	902	785	424	446	11,400	2,500	678	734	
22	970	862	870	846	1,320	398	465	8,390	2,820	672	748	
23	961	666	870	830	1,680	375	394	6,690	1,800	672	741	
24	952	532	862	838	1,800	419	360	6,920	918	640	720	1,000
25	918	822	830	830	1,800	428	374	3,320	633	652	762	1,000
26	918	936	830	822	1,680	424	335	1,800	560	672	720	970
27	936	894	918	822	1,680	446	475	822	549	685	727	978
28	910	854	878	838	1,270	470	516	652	485	727	713	986
29	952	838	870	800	918	785	465	584	470	706	741	1,020
30	918	846	862	822	-	800	382	1,850	505	640	720	1,010
31	918	-	870	822	-	1,110	-	6,460	-	830	785	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	29,397	978	910	948	58,310
November	25,988	944	532	866	51,550
December	26,517	918	770	855	52,600
Calendar year 1935	256,278	978	390	702	508,300
January	30,015	1,800	800	968	59,530
February	28,015	1,800	678	966	55,570
March	18,100	1,110	378	584	35,900
April	15,824	894	311	527	31,390
May	145,774	11,900	398	4,702	289,100
June	225,170	21,200	470	7,506	446,600
July	19,388	830	410	625	38,460
August	22,836	854	646	737	45,290
September	28,144	-	-	938	55,820
Water year 1935-36	615,168	21,200	311	1,681	1,220,000

Snake River near Hagerman, Idaho

Location.- Water-stage recorder, lat. 42°46', long. 114°53', in NW¼ sec. 1, T. 8 S., R. 13 E., just above Upper Salmon Falls, an eighth of a mile above Owsley Bridge, and 4 miles south of Hagerman. Big Wood River enters 11 miles downstream. Zero of gage is 2,873.46 feet above mean sea level.

Records available.- August 1912 to June 1917, July 1919 to September 1936.

Average discharge.- 20 years (1912-15, 1919-36), 8,270 second-feet.

Extremes.- Maximum discharge during year, 25,500 second-feet June 7 (gage height, 9.12 feet); minimum, 5,140 second-feet Apr. 24 (gage height, 5.04 feet).
1912-17, 1919-36: Maximum discharge, 35,100 second-feet June 10, 1914 (gage height, 7.75 feet); minimum, 4,030 second-feet July 15 to Aug. 2, 1915 (gage height, 3.1 feet). Data insufficient in 1916 and 1917 for determination of maximum and minimum discharge.

Remarks.- Records excellent. Practically entire flow at Milner diverted during irrigation season; only minor diversions below Milner.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1 to May 12)

4.9	5,050	7.3	12,950
5.2	5,600	7.6	14,600
5.5	6,350	7.9	16,500
5.8	7,225	8.2	18,600
6.1	8,175	8.5	20,850
6.4	9,200	8.8	23,100
6.7	10,300	9.1	25,500
7.0	11,525		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,820	5,950	5,710	5,820	5,600	5,950	5,710	5,400	11,500	5,500	5,950	6,080
2	5,820	5,950	5,710	5,820	5,710	5,820	5,600	5,500	12,000	5,500	5,950	6,080
3	5,820	5,950	5,710	5,950	5,710	5,710	5,500	5,600	14,600	5,500	5,950	6,210
4	5,820	5,820	5,710	5,950	5,600	5,600	5,500	5,400	21,600	5,500	5,950	6,350
5	5,820	5,950	5,710	6,620	5,600	5,600	5,500	5,820	24,700	5,500	5,950	6,490
6	5,950	5,950	5,820	5,950	5,600	5,600	5,400	6,920	24,700	5,500	5,950	6,490
7	5,950	5,950	5,710	5,820	5,710	5,600	5,400	6,080	25,500	5,600	5,950	6,490
8	5,820	5,950	5,820	5,710	5,600	5,500	5,400	6,080	20,100	5,600	5,820	6,490
9	5,820	6,080	5,710	5,820	5,500	5,500	5,400	6,490	16,200	5,600	5,820	6,350
10	5,820	5,820	5,820	6,080	5,500	5,500	5,400	7,690	15,800	5,600	5,820	6,350
11	5,820	5,710	5,820	6,920	5,500	5,500	5,400	9,200	18,600	5,600	5,820	6,350
12	5,950	5,600	5,820	6,350	5,710	5,500	5,400	7,080	21,600	5,600	5,950	6,490
13	5,950	5,710	5,710	5,950	5,950	5,500	5,400	5,950	20,500	5,600	6,080	6,490
14	5,950	5,820	5,710	6,210	5,950	5,400	5,400	6,620	12,400	5,600	5,950	6,490
15	5,950	5,820	5,710	8,010	5,820	5,400	5,400	15,200	7,850	5,600	5,950	6,620
16	5,950	5,820	5,600	7,220	5,710	5,400	5,400	15,500	7,080	5,710	6,080	6,620
17	5,950	5,950	5,600	6,620	5,600	5,400	5,400	15,800	6,920	5,710	6,080	6,620
18	5,950	5,950	5,600	6,350	5,600	5,400	5,400	16,200	8,180	5,710	5,950	6,490
19	5,950	5,820	5,600	6,080	5,600	5,400	5,310	15,800	8,680	5,710	5,950	6,490
20	5,820	5,820	5,710	5,820	5,600	5,400	5,310	15,500	7,690	5,710	5,950	6,490
21	5,820	5,820	5,710	5,950	6,620	5,310	5,310	16,200	7,380	5,710	5,950	6,490
22	5,820	5,710	5,710	5,820	9,020	5,310	5,220	14,300	7,220	5,710	5,950	6,490
23	5,950	5,710	5,710	5,710	8,850	5,310	5,220	11,800	7,220	5,710	5,950	6,490
24	5,820	5,600	5,710	5,600	7,520	5,310	5,220	11,500	6,210	5,710	5,820	6,350
25	5,950	5,600	5,710	5,600	6,780	5,310	5,400	9,920	5,820	5,710	5,820	6,350
26	5,820	5,710	5,710	5,600	6,350	5,310	5,600	7,380	5,710	5,710	5,820	6,350
27	5,820	5,820	5,820	5,600	6,490	5,310	5,500	6,490	5,600	5,820	5,820	6,350
28	5,820	5,820	5,820	5,600	6,620	5,400	5,500	5,950	5,500	5,820	5,820	6,490
29	5,820	5,710	5,820	5,600	6,210	5,400	5,500	5,820	5,500	5,820	5,820	6,490
30	5,820	5,710	5,820	5,600	-	5,600	5,500	5,820	5,500	5,820	5,950	6,490
31	5,820	-	5,820	5,600	-	5,710	-	9,200	-	5,820	5,950	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	181,980	5,950	5,820	5,870	361,000
November	174,600	6,080	5,600	5,820	346,300
December	177,670	5,820	5,600	5,731	352,400
Calendar year 1935	1,977,520	6,080	4,880	5,418	3,922,000
January	187,350	8,010	5,600	6,044	371,600
February	177,630	9,020	5,500	6,125	352,300
March	169,960	5,950	5,310	5,483	337,100
April	162,600	5,710	5,220	5,420	322,500
May	288,210	16,200	5,400	9,297	571,700
June	367,860	25,500	5,500	12,260	729,600
July	175,310	5,820	5,500	5,655	347,700
August	183,540	6,080	5,820	5,921	364,000
September	192,870	6,620	6,080	6,429	382,600
Water year 1935-36	2,439,580	25,500	5,220	6,666	4,839,000

Snake River at King Hill, Idaho

Location.- Water-stage recorder, lat. 43°0', long. 115°11', in SW¼ sec. 7, T. 5 S., R. 11 E., 300 feet east of railroad station at King Hill and 20 miles below Big Wood River.

Records available.- May 1909 to September 1936.

Average discharge.- 27 years, 10,920 second-feet.

Extremes.- Maximum discharge during year, 27,800 second-feet June 8 (gage height, 11.96 feet); minimum, 5,880 second-feet May 1, 30; minimum gage height, 5.34 feet May 30. 1909-36: Maximum discharge, 47,200 second-feet June 22, 1918 (gage height, 16.3 feet); minimum, 4,760 second-feet July 7-9, Aug. 15, 16, 1910 (gage height, 4.5 feet).

Remarks.- Records good October to January; excellent, February to September. Discharge Oct. 2-29 computed on basis of records for station near Murphy. Practically entire flow at Milner diverted during irrigation season, and flow at King Hill is derived largely from springs and seepage water entering below Milner.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,490	8,230	7,730	7,980	7,490	8,230	7,730	6,550	12,700	6,780	7,250	7,490
2	7,600	8,230	7,730	7,980	7,490	7,980	7,490	6,550	13,300	6,780	7,250	7,980
3	7,600	8,230	7,730	8,230	7,490	7,980	7,490	6,780	15,300	6,780	7,490	7,980
4	7,600	7,980	7,730	8,230	7,490	7,730	7,250	6,550	21,800	7,010	7,490	7,980
5	7,600	8,230	7,730	8,740	7,490	7,730	7,490	6,550	25,300	7,010	7,490	8,230
6	7,700	8,230	7,730	8,480	7,490	7,730	7,490	7,980	26,600	6,780	7,490	8,230
7	7,700	8,230	7,980	7,980	7,490	7,730	7,250	7,730	27,000	6,780	7,490	8,230
8	7,700	8,230	7,980	7,730	7,490	7,730	7,730	7,010	24,500	6,780	7,250	8,230
9	7,700	8,480	7,980	7,980	7,250	7,730	8,480	7,730	19,100	6,780	7,250	8,230
10	7,700	8,230	7,980	7,980	7,250	7,730	8,480	8,230	18,000	6,780	7,250	8,230
11	7,850	7,980	7,730	8,740	7,490	7,730	9,000	10,600	19,900	6,780	7,250	8,230
12	7,850	7,980	7,730	9,000	7,490	7,730	9,530	9,000	23,300	6,780	7,490	8,230
13	7,850	7,980	7,980	8,230	7,980	7,730	9,530	7,250	24,100	6,780	7,730	8,230
14	7,850	7,980	7,730	8,230	7,980	7,730	9,260	6,780	17,300	6,780	7,490	8,230
15	7,850	7,980	7,730	10,400	7,980	7,490	9,260	15,300	10,600	6,780	7,490	8,230
16	8,000	8,230	7,730	9,800	7,730	7,490	8,740	16,600	9,000	6,780	7,730	8,230
17	8,000	8,230	7,490	9,000	7,490	7,730	8,480	16,300	8,740	7,010	7,730	8,480
18	8,000	8,230	7,490	8,480	7,490	7,730	8,230	17,000	9,530	7,010	7,490	8,480
19	8,000	8,230	7,730	8,230	7,490	7,730	7,730	17,000	10,900	6,780	7,490	8,480
20	8,000	7,980	7,730	7,980	7,730	7,730	7,490	16,600	9,800	6,780	7,490	8,230
21	8,000	7,980	7,730	7,980	8,740	7,980	7,490	17,300	9,000	7,010	7,490	8,230
22	8,000	7,980	7,730	7,730	11,500	7,730	7,250	16,300	8,740	7,010	7,490	8,230
23	8,000	7,980	7,730	7,730	11,800	7,490	7,250	13,600	9,000	7,010	7,490	8,230
24	8,000	7,730	7,730	7,730	10,600	7,250	7,010	13,000	7,980	7,010	7,490	8,230
25	8,000	7,730	7,730	7,730	9,260	7,250	6,780	12,400	7,250	7,010	7,490	8,230
26	8,000	7,730	7,730	7,490	8,740	7,010	7,250	9,260	7,010	7,010	7,490	8,230
27	8,000	7,980	7,730	7,490	8,740	7,010	7,010	9,260	7,010	7,250	7,490	8,230
28	8,000	7,980	7,980	7,490	9,260	7,250	7,010	7,010	6,780	7,250	7,490	8,230
29	8,000	7,730	7,730	7,490	9,000	7,490	6,780	6,780	6,780	7,250	7,490	8,230
30	8,230	7,730	7,730	7,490	-	7,490	6,780	6,780	6,780	7,250	7,490	8,230
31	8,230	-	7,980	7,490	-	7,730	-	8,740	-	7,250	7,490	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	244,100	8,230	7,490	7,874	484,200
November	241,650	8,480	7,730	8,055	479,300
December	240,900	7,980	7,490	7,771	477,800
Calendar year 1935	2,607,320	8,480	6,100	7,143	5,172,000
January	253,240	10,400	7,490	8,169	502,300
February	238,910	11,800	7,250	8,238	473,900
March	236,800	8,230	7,010	7,639	469,700
April	234,740	9,530	6,780	7,825	465,600
May	324,520	17,300	6,550	10,470	643,700
June	423,100	27,000	6,780	14,100	839,200
July	214,830	7,250	6,780	6,930	426,100
August	231,470	7,730	7,250	7,467	459,100
September	246,160	8,480	7,490	8,205	488,300
Water year 1935-36	3,130,420	27,000	6,550	8,553	6,209,000

Snake River near Murphy, Idaho

Location.- Water-stage recorder, lat. 43°18', long. 116°26', in NE¼ sec. 35, T. 1 S., R. 1 W., 4½ miles below Swan Falls power plant and 7½ miles northeast of Murphy. Prior to 1936 at location 3¾ miles upstream in NW¼ sec. 18, T. 2 S., R. 1 E.

Drainage area.- 41,900 square miles.

Records available.- August to October 1912, August 1913 to September 1936.

Average discharge.- 23 years (1913-36), 10,930 second-feet.

Extremes.- Maximum discharge during year, 29,300 second-feet June 8 (gage height, 10.15 feet); minimum, 4,650 second-feet June 30 (gage height, 2.67 feet).
1912-36: Maximum discharge, 47,300 second-feet June 22, 1918 (gage height, 13.95 feet, former site and datum; minimum observed (result of discharge measurement), 3,950 second-feet July 20, 1934, when stage was below inlet pipe.

Remarks.- Records excellent. Discharge interpolated Apr. 24-26; computed Sept. 6-28, for period of missing gage-height record, on basis of records for other Snake River stations. Large diurnal fluctuations of short duration are caused by operation of gates and power plant at dam. Several pumping diversions between this station and the one at King Hill.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,750	8,460	7,750	8,170	7,750	9,330	8,170	9,040	9,040	7,470	7,470	7,470
2	7,750	8,460	7,690	8,170	7,750	8,750	8,460	8,750	14,700	7,200	7,200	7,330
3	7,610	8,750	7,750	8,170	7,890	8,750	8,170	8,750	16,300	7,060	7,610	8,170
4	7,750	8,460	7,750	8,170	7,890	8,750	8,170	8,750	18,400	7,200	7,610	8,170
5	7,610	8,460	7,750	8,460	7,750	8,750	8,170	8,750	24,400	7,470	7,890	8,170
6	7,890	8,460	8,030	8,460	7,750	8,460	8,170	8,750	27,000	7,470	7,610	8,300
7	7,690	8,460	8,170	8,750	7,750	8,750	8,030	10,200	28,200	7,330	7,330	8,300
8	7,890	8,460	8,030	8,170	7,750	8,170	8,030	9,630	28,900	7,200	7,610	8,300
9	7,890	8,460	8,170	8,170	7,890	8,460	8,030	9,040	25,600	7,200	7,470	8,300
10	7,750	8,170	8,170	8,170	7,330	8,460	9,040	9,040	21,200	7,330	7,750	8,300
11	7,890	8,460	8,170	8,170	7,610	8,460	9,630	9,330	19,800	7,060	7,470	8,300
12	8,030	8,170	8,170	8,460	7,470	8,460	10,200	12,400	21,900	7,200	7,200	8,300
13	8,030	8,030	8,170	9,040	7,750	8,170	11,500	10,500	24,800	7,060	7,750	8,400
14	8,030	8,170	8,170	8,750	8,460	8,460	12,100	9,330	23,700	7,060	7,610	8,400
15	7,890	8,170	8,170	8,750	8,460	8,170	12,100	8,750	18,000	7,060	7,890	8,400
16	8,170	8,170	8,030	10,200	8,460	8,170	12,100	17,400	12,100	7,060	7,610	8,400
17	8,170	8,170	8,170	10,200	8,170	8,170	12,100	18,400	10,200	7,060	7,750	8,400
18	8,030	8,460	8,030	9,040	8,030	8,170	12,100	18,400	9,930	7,200	7,750	8,500
19	8,170	8,460	8,030	9,040	7,890	8,170	11,800	18,700	10,500	7,470	7,750	8,500
20	8,170	8,460	7,890	8,750	7,750	8,460	11,800	18,400	11,800	7,060	7,610	8,500
21	8,170	8,170	7,890	8,460	7,890	8,460	11,200	17,700	10,800	7,060	7,330	8,500
22	8,170	8,170	8,030	8,170	12,400	8,750	11,200	18,700	9,630	7,330	7,470	8,500
23	8,170	7,890	8,030	8,170	15,700	8,750	10,800	17,400	9,630	7,330	7,470	8,500
24	8,170	8,030	8,030	8,170	13,700	8,750	10,600	14,300	9,630	7,610	7,610	8,500
25	8,170	8,170	7,890	8,030	11,500	8,170	10,400	13,700	9,330	7,060	7,750	8,500
26	8,170	7,890	8,030	7,890	9,630	8,170	10,100	13,400	8,170	7,200	7,330	8,500
27	8,170	7,750	8,170	7,890	9,330	8,030	9,930	9,930	8,170	7,330	7,610	8,500
28	8,170	8,030	8,170	7,890	9,040	7,890	9,930	9,330	7,890	7,200	7,610	8,500
29	8,170	8,030	8,170	7,690	9,330	8,030	9,330	8,460	7,330	7,330	7,610	8,460
30	8,170	8,030	8,170	7,890	-	8,170	9,330	8,030	6,790	7,200	7,610	8,460
31	8,460	-	8,170	7,890	-	8,460	-	8,030	-	7,470	7,610	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	248,520	8,460	7,610	8,017	492,900
November	247,480	8,750	7,750	8,249	490,900
December	249,210	8,170	7,750	8,039	494,300
Calendar year 1935	2,737,680	9,140	6,400	7,500	5,430,000
January	261,600	10,200	7,890	8,439	518,900
February	256,070	15,700	7,330	8,830	507,900
March	261,120	9,330	7,890	8,423	517,900
April	300,690	12,100	8,030	10,020	596,400
May	371,290	18,700	8,030	11,980	736,400
June	463.840	28,900	6,790	15,460	920,000
July	224,340	7,610	7,060	7,237	445,000
August	234,950	7,890	7,200	7,579	466,000
September	249,830	8,500	7,330	8,328	495,500
Water year 1935-36	3,368,940	28,900	6,790	9,205	6,682,000

Snake River at Weiser, Idaho

Location.- Water-stage recorder, lat. 44°15', long. 116°59', in sec. 31, T. 11 N., R. 5 W., a third of a mile above wagon bridge at Weiser. Zero of gage is 2,087.22 feet above sea level.

Records available.- October 1910 to September 1936. Fragmentary gage-height record obtained by U. S. Weather Bureau since 1895.

Average discharge.- 25 years (1911-36), 17,710 second-feet.

Extremes.-Maximum discharge during year, 60,700 second-feet Apr. 25 (gage height, 11.18 feet); minimum, 7,140 second-feet July 1 (gage height, 2.07 feet).

1910-36: Maximum discharge, 83,100 second-feet May 23, 1921 (gage height, 13.60 feet); minimum, 5,100 second-feet Aug. 5, 1924 (gage height, 1.35 feet).

Maximum stage known, 15.7 feet on old Weather Bureau gage (discharge, about 100,000 second-feet) Mar. 3, 1910.

Flood of June 1894 was considerably higher than flood of 1910.

Remarks.- Records excellent. Flow regulated by storage reservoirs above station and by operation of Swan Falls power plant. Some irrigation diversions below Murphy. 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	8,920	10,400	10,200	10,200	10,400	13,600	12,700	35,600	26,000	7,980	8,340	8,870
2	8,920	10,600	9,660	10,600	9,840	14,800	12,700	34,400	28,900	8,340	8,340	8,870
3	8,920	10,200	10,000	11,000	9,660	14,800	12,700	33,700	34,400	8,160	8,510	8,870
4	8,920	10,400	9,840	11,000	9,840	15,300	12,700	33,700	34,400	7,980	8,340	9,420
5	8,920	10,400	9,660	11,000	9,840	14,800	13,600	33,700	33,700	8,160	8,510	9,780
6	8,740	10,600	9,840	10,600	9,840	14,800	13,100	36,300	39,500	8,340	8,690	9,780
7	9,100	10,400	10,000	10,600	9,840	14,400	13,600	35,600	43,800	8,510	8,510	9,780
8	9,100	10,600	10,200	11,000	10,200	14,400	14,400	33,700	48,200	8,510	8,510	9,600
9	9,280	11,000	10,000	11,000	10,200	14,800	16,700	32,500	47,500	8,690	8,340	9,780
10	9,100	11,000	10,200	11,400	10,200	16,200	18,600	30,700	42,300	8,690	8,510	9,780
11	8,920	11,000	10,400	11,800	9,470	15,800	21,700	30,700	37,600	8,870	8,340	9,780
12	9,100	11,000	10,400	12,200	9,840	15,800	24,900	31,900	35,000	8,510	8,510	9,780
13	9,100	10,600	10,200	11,400	10,000	16,200	27,200	35,600	34,400	8,690	8,340	9,600
14	9,100	10,400	10,200	12,600	10,600	15,800	34,400	38,200	36,300	8,510	8,510	9,780
15	9,280	10,400	10,200	12,200	10,400	14,400	35,600	39,500	35,000	8,340	8,690	9,780
16	9,100	10,400	9,840	11,800	11,000	14,000	36,300	39,500	28,900	8,160	8,690	9,970
17	9,280	10,400	9,660	13,000	10,600	13,600	36,900	44,500	21,700	8,160	8,510	10,200
18	9,470	10,400	9,280	13,400	10,400	13,600	39,500	45,200	18,600	7,980	8,510	10,400
19	9,280	10,600	9,470	12,200	10,200	14,000	45,200	42,300	16,200	8,160	8,510	10,400
20	9,470	10,600	9,470	11,400	10,000	14,000	51,200	40,200	14,800	8,160	8,690	10,400
21	9,470	10,600	9,280	11,000	10,000	14,400	55,900	37,600	15,800	7,980	8,690	10,500
22	9,660	10,400	9,470	10,600	18,000	14,000	55,900	35,000	14,400	7,980	8,510	10,400
23	9,840	10,400	9,470	10,600	27,200	13,600	54,300	34,400	12,700	7,980	8,510	10,400
24	10,000	10,200	9,840	10,400	22,700	13,100	57,500	31,300	12,300	8,340	8,510	10,400
25	10,200	10,200	9,840	10,400	19,100	13,600	59,900	27,700	12,300	7,980	8,690	10,200
26	10,200	10,600	9,660	10,000	15,800	13,100	55,900	27,200	11,900	8,160	8,870	10,200
27	10,200	10,400	10,200	10,000	13,600	12,300	49,700	27,700	10,700	7,980	8,690	10,200
28	10,200	10,200	10,200	9,840	12,700	13,100	44,500	26,000	9,600	8,340	8,690	10,200
29	10,200	10,200	10,200	9,840	13,100	14,000	41,600	26,000	9,420	8,340	8,690	10,200
30	10,200	10,200	10,200	9,840	-	12,700	36,900	26,000	8,690	8,160	8,870	10,400
31	10,200	-	10,400	10,000	-	12,700	-	25,500	-	8,340	9,050	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	292,390	10,200	8,740	9,432	579,900
November	314,800	11,000	10,200	10,490	624,400
December	307,480	10,400	9,280	9,919	609,900
Calendar year 1935	4,106,100	23,700	7,350	11,250	8,144,000
January	342,920	13,400	9,840	11,060	680,200
February	354,570	27,200	9,470	12,230	703,300
March	441,700	16,200	12,700	14,250	876,100
April	1,005,800	59,900	12,700	33,530	1,995,000
May	1,051,900	45,200	25,500	33,930	2,086,000
June	775,010	48,200	8,690	25,830	1,537,000
July	256,480	8,870	7,980	8,274	508,700
August	265,670	9,050	8,340	8,570	526,900
September	297,720	10,500	8,870	9,924	590,500
Water year 1935-36	5,706,440	59,900	7,980	15,590	11,320,000

Snake River at Oxbow, Oreg.

Location.- Water-stage recorder, lat. 44°57', long. 116°51', in NW¼ sec. 16, T. 7 S., R. 48 E., at Oxbow, five-eighths of a mile above intake of diversion tunnel for Oxbow power plant.

Records available.- May 1923 to September 1936.

Average discharge.- 13 years, 15,690 second-feet.

Extremes.- Maximum discharge during year, 63,100 second-feet Apr. 25 (gage height, 18.55 feet); minimum, 7,710 second-feet July 28 (gage height, 7.45 feet).

1923-36: Maximum discharge, 70,800 second-feet Feb. 6, 1925; maximum gage height, 19.33 feet May 13, 1928; minimum discharge, 4,890 second-feet Aug. 6, 1924 (gage height, 6.30 feet).

Remarks.- Records good. Flow regulated by irrigation and power operations above station.

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

7.4	7,710	10.6	18,940	13.8	34,320	17.0	53,040
7.8	8,740	11.0	20,680	14.2	36,530	17.4	55,520
8.2	9,880	11.4	22,470	14.6	38,790	17.8	58,020
8.6	11,170	11.8	24,320	15.0	41,090	18.2	60,540
9.0	12,550	12.2	26,210	15.4	43,420	18.6	63,100
9.4	14,040	12.6	28,140	15.8	45,780		
9.8	15,620	13.0	30,120	16.2	48,180		
10.2	17,250	13.4	32,180	16.6	50,600		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9,010	10,500	10,200	10,500	9,880	13,700	13,300	38,200	26,200	9,010	8,210	9,010
2	9,010	10,500	10,200	10,500	10,200	14,800	13,300	37,600	28,100	8,470	8,470	8,740
3	9,010	10,500	9,880	10,800	9,580	16,000	13,300	36,500	32,700	8,740	8,470	9,010
4	9,010	10,500	9,880	11,500	10,500	16,400	13,300	36,000	35,400	8,470	8,470	9,010
5	8,740	10,500	9,880	11,200	10,200	16,800	13,700	36,500	34,300	8,210	8,470	9,580
6	9,010	10,800	9,880	11,200	10,500	16,400	14,000	37,100	36,000	8,210	8,740	9,880
7	9,010	10,500	9,880	10,800	10,200	16,000	14,000	38,200	42,200	8,470	8,740	9,880
8	9,290	10,800	10,200	11,200	9,290	16,000	14,800	36,500	46,400	8,740	8,470	9,880
9	9,290	11,200	10,500	11,500	9,290	16,000	16,800	35,400	48,200	8,740	8,470	9,880
10	9,290	11,200	10,200	11,500	9,880	16,800	19,400	33,200	45,800	8,740	8,470	9,880
11	9,010	11,200	10,500	11,800	10,800	17,200	22,500	32,700	39,900	8,740	8,470	9,880
12	9,010	11,200	10,500	12,200	10,200	16,800	26,700	33,800	36,500	9,010	8,470	9,880
13	9,010	11,200	10,500	12,600	10,200	17,200	31,100	36,000	34,300	8,740	8,470	9,880
14	9,010	10,800	10,200	12,200	10,500	17,700	36,500	39,400	36,000	8,740	8,210	9,880
15	9,290	10,800	10,200	12,900	10,800	16,400	39,400	41,100	36,500	8,470	8,740	9,880
16	9,290	10,800	10,200	12,600	10,800	15,600	39,400	41,700	33,200	8,210	8,470	10,200
17	9,290	10,500	9,880	12,600	11,500	14,800	41,100	42,200	26,200	8,210	8,740	10,200
18	9,290	10,500	9,580	13,700	10,800	14,400	42,200	46,400	21,100	8,210	8,470	10,500
19	9,580	10,500	9,290	13,300	10,500	14,400	47,600	44,600	18,100	8,210	8,470	10,500
20	9,290	10,800	9,580	12,200	10,500	15,200	53,000	42,200	16,400	8,210	8,470	10,800
21	9,580	10,800	9,290	11,800	10,500	15,600	57,400	39,400	15,600	8,470	8,740	10,500
22	9,580	10,800	9,290	11,200	11,200	15,600	59,900	37,100	16,000	8,210	8,740	10,500
23	9,880	10,800	9,290	10,800	25,000	14,800	58,000	35,400	14,400	7,960	8,470	10,500
24	9,880	10,500	9,580	10,800	30,000	14,400	58,000	33,800	12,900	8,210	8,740	10,500
25	10,200	10,500	10,200	10,500	22,000	14,000	62,500	31,100	12,900	8,210	8,740	10,500
26	10,200	10,200	10,200	10,500	18,500	14,000	60,500	28,100	12,900	8,210	8,740	10,200
27	10,200	10,800	9,880	10,200	15,200	13,300	53,700	28,100	11,800	8,210	9,010	10,200
28	10,200	10,500	10,200	10,200	13,700	13,300	48,200	28,600	10,500	8,210	8,740	10,500
29	10,200	10,500	10,200	9,880	13,300	14,400	44,600	26,700	9,880	8,470	8,740	10,200
30	10,200	10,500	10,500	9,880	-	14,000	41,100	27,200	9,580	8,470	8,740	10,500
31	10,200	-	10,200	9,580	-	13,300	-	26,700	-	8,470	9,010	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	293,060	10,200	8,740	9,454	581,300
November	321,200	11,200	10,200	10,710	637,100
December	309,960	10,500	9,290	9,999	614,800
Calendar year 1935	4,289,130	25,300	7,470	11,750	8,508,000
January	352,140	13,700	9,580	11,360	698,500
February	365,520	30,000	9,290	12,600	725,000
March	475,300	17,700	13,300	15,330	942,700
April	1,069,300	62,500	13,300	35,640	2,121,000
May	1,107,500	46,400	26,700	35,730	2,197,000
June	799,960	48,200	9,580	26,670	1,587,000
July	261,650	9,010	7,960	8,440	519,000
August	266,370	9,010	8,210	8,593	528,300
September	300,450	10,800	8,740	10,020	595,900
Water year 1935-36	5,922,410	62,500	7,960	16,180	11,750,000

Snake River near Clarkston, Wash.

Location.- Water-stage recorder, lat. 46°25'30", long. 117°10'30", in lot 1, sec. 16, T. 11 N., R. 45 E., 2 miles above Alpowa Creek, 7 miles below Clarkston and 134 miles above the mouth. Zero of gage at elevation 600 feet above mean sea level (benchmark of Corps of Engineers, U. S. Army).

Drainage area.- 103,200 square miles.

Records available.- October 1935 to September 1936. Comparable records at Riparia, 66 miles downstream, October 1915 to September 1922, August 1928 to September 1935, in reports of U. S. Geological Survey; October 1909 to September 1933 in State Water-Supply Bulletin 5.

Average discharge.- 27 years (1909-36), 48,860 second-feet.

Extremes.- Maximum discharge during year, 219,000 second-feet May 16 (gage height, 32.52 feet); minimum, 10,800 second-feet Dec. 20 (gage height, 8.54 feet).

1909-35: Maximum discharge observed, 270,000 second-feet May 20, 1921 (gage height, 19.0 feet, at Riparia); minimum discharge observed, 10,600 second-feet Aug. 14, 18, 20, 24-28, 30, 31, Sept. 1, 2, 5, 1931.

Maximum stage known, 24.7 feet at Riparia June 5, 1894 (discharge, about 409,000 second-feet).

Remarks.- Records excellent except those for period of ice effect, Jan. 29 to Feb. 22, which were computed on basis of gage heights and weather records and are poor. Small diversions by pumping between this station and the one at Oxbow. Considerable diurnal fluctuation as a result of pondage for power on Clearwater River at Lewiston.

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

8.5	10,800	11.0	20,900	16.0	46,900	25.0	126,000
9.0	12,700	12.0	25,300	18.0	61,400	28.0	161,000
9.5	14,700	13.0	30,100	20.0	78,400	31.0	199,000
10.0	16,700	14.0	35,200	22.0	96,400	34.0	240,000

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14,400	16,500	17,100	18,000	14,500	32,400	27,500	138,000	118,000	30,700	16,900	14,000
2	14,300	15,800	16,200	18,500	14,500	39,800	26,500	141,000	120,000	28,900	16,800	15,000
3	14,400	16,000	15,300	19,000	14,500	46,300	26,300	142,000	115,000	27,400	16,600	14,800
4	14,400	17,200	15,700	20,000	15,200	51,000	26,400	151,000	115,000	26,800	16,700	15,300
5	14,500	16,800	14,200	22,800	16,000	47,300	26,400	163,000	108,000	26,000	16,600	16,300
6	14,400	16,800	13,900	23,900	17,000	45,000	26,600	166,000	100,000	24,900	16,500	17,700
7	14,400	17,600	14,300	21,400	16,000	43,400	28,300	147,000	102,000	24,400	16,300	17,500
8	14,500	18,200	16,200	20,000	15,000	41,000	33,000	135,000	116,000	24,300	16,300	17,200
9	14,900	18,100	18,400	19,300	14,000	47,100	40,400	129,000	118,000	24,600	15,600	16,600
10	14,900	18,900	18,700	19,100	14,000	49,500	47,600	134,000	111,000	24,700	15,800	16,800
11	15,000	19,100	18,500	19,600	14,000	44,300	62,200	148,000	101,000	27,000	15,600	16,600
12	15,000	18,800	18,700	24,600	14,000	42,100	89,200	168,000	92,800	22,400	15,700	16,000
13	15,100	18,300	19,000	27,500	13,800	42,600	110,000	182,000	88,300	24,600	16,100	16,200
14	17,100	18,300	19,300	27,700	13,600	40,300	124,000	194,000	85,600	23,400	17,300	16,700
15	17,500	18,100	18,400	25,300	13,400	38,000	135,000	208,000	84,700	22,900	17,600	16,400
16	16,700	17,500	17,200	24,400	13,200	34,700	143,000	213,000	82,000	22,000	17,300	17,700
17	16,400	17,600	15,900	22,800	13,000	34,000	155,000	189,000	76,600	21,400	16,800	17,500
18	16,100	17,800	13,800	22,100	13,500	33,600	168,000	166,000	66,200	20,700	16,100	17,800
19	16,500	17,900	12,600	22,900	14,000	33,400	181,000	157,000	59,900	20,100	15,700	17,300
20	15,800	16,800	12,200	22,500	15,000	35,300	186,000	149,000	53,700	19,500	15,600	17,200
21	16,700	17,800	12,400	21,000	16,000	39,700	186,000	138,000	49,500	19,100	15,300	17,900
22	16,500	16,600	13,000	20,600	17,000	40,300	192,000	125,000	47,300	18,900	15,100	17,400
23	16,800	18,000	13,700	19,900	20,600	37,500	195,000	116,000	45,500	18,500	14,700	17,100
24	16,600	17,600	14,100	19,500	35,200	34,400	196,000	112,000	42,400	17,900	15,700	16,900
25	17,000	18,500	16,400	18,900	35,600	32,300	196,000	113,000	42,100	18,300	15,000	16,600
26	16,900	17,900	18,600	18,200	31,600	31,000	189,000	116,000	41,700	18,500	14,800	15,800
27	16,800	17,900	18,200	17,500	28,300	30,600	171,000	119,000	39,600	18,100	15,200	16,100
28	17,700	18,300	18,300	16,300	27,100	32,500	154,000	124,000	36,800	17,800	15,200	16,500
29	17,400	17,800	18,700	16,000	28,800	32,100	143,000	125,000	33,800	17,200	14,900	16,400
30	17,200	17,900	18,700	15,200	-	31,300	137,000	122,000	31,900	17,200	14,200	16,200
31	17,400	-	18,600	14,500	-	29,400	-	120,000	-	17,100	15,500	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	493,300	17,700	14,300	15,910	978,400
November	530,400	19,100	15,800	17,680	1,052,000
December	504,300	19,300	12,200	16,270	1,000,000
Calendar year 1935	12,288,600	130,000	12,200	33,670	24,370,000
January	639,000	27,700	14,500	20,610	1,267,000
February	528,400	35,600	13,000	18,220	1,048,000
March	1,192,200	51,000	29,400	38,460	2,365,000
April	3,421,400	196,000	26,300	114,000	6,786,000
May	4,550,000	213,000	112,000	146,800	9,025,000
June	2,324,400	120,000	31,900	77,480	4,610,000
July	685,300	30,700	17,100	22,110	1,359,000
August	493,500	17,600	14,200	15,920	978,800
September	497,500	17,900	14,000	16,580	986,800
Water year 1935-36	15,859,700	213,000	12,200	43,330	31,460,000

Flat Creek near Jackson, Wyo.

Location.- Staff gage, lat. 43°33', long. 110°37', in SW¼ sec. 35, T. 42 N., R. 115 W., 9 miles northeast of Jackson, just below power plant of Jackson Hole Light & Power Co.

Records available.- June 1933 to September 1936 (no records during winters).

Extremes.- Maximum discharge observed during year, 268 second-feet June 2 (gage height, 3.20 feet); minimum, 12 second-feet Apr. 12-13 (gage height, 1.32 feet). A lesser discharge may have occurred during period of ice effect prior to Apr. 12.

1933-36: Maximum discharge observed, 438 second-feet June 15, 1935 (gage height, 3.48 feet); minimum, 7 second-feet Apr. 15-18, 1935 (gage height, 1.06 feet).

Remarks.- Records good except those for May, which are fair. No 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	23	18					-	35	260	147	55	33
2	23	17					-	32	268	144	53	33
3	23	18					-	41	244	137	53	33
4	22	17					-	45	202	126	51	34
5	22	17					-	42	191	105	51	34
6	22	17					-	38	186	96	49	33
7	22	17					-	39	177	92	47	33
8	22	17					-	40	170	90	47	33
9	21	17					-	41	164	89	45	83
10	21	-					-	44	164	86	47	33
11	21	-					-	49	159	81	46	33
12	21	-					12	52	168	78	47	33
13	21	-					12	59	178	77	46	33
14	21	-					14	62	198	76	43	33
15	21	-					14	66	207	74	41	32
16	21	-					14	86	216	74	41	32
17	20	-					14	106	212	73	41	32
18	19	-					14	127	208	72	40	32
19	19	-					14	133	213	70	40	30
20	21	-					14	132	207	67	40	31
21	21	-					15	131	192	65	38	31
22	21	-					16	132	187	64	36	30
23	19	-					17	133	178	62	36	30
24	18	-					17	135	164	61	36	30
25	19	-					17	136	164	60	36	30
26	19	-					19	136	157	58	35	30
27	19	-					21	140	158	58	34	30
28	18	-					24	165	151	57	34	29
29	18	-					30	188	150	57	34	29
30	18	-					32	204	147	57	34	29
31	17	-					-	230	-	57	34	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	633	23	17	20.4	1,260
November 1-9	155	18	17	17.2	307
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 12-30	330	32	12	17.4	655
May	2,999	230	32	96.7	5,950
June	5,640	268	147	188	11,190
July	2,510	147	57	81.0	4,980
August	1,310	55	34	42.3	2,600
September	951	34	29	31.7	1,890
Water year					

Salt River near Smoot, Wyo.

Location.- Water-stage recorder, lat. 42°36', long. 110°55', in sec. 7, T. 30 N., R. 118 W., 1¼ miles south of Smoot.

Drainage area.- 59.4 square miles.

Records available.- June 1932 to September 1936.

Extremes.- Maximum discharge during year, 430 second-feet May 15 (gage height, 3.15 feet); minimum probably occurred during period of ice effect.
1932-36: Maximum discharge, that of May 15, 1936; minimum daily discharge not determined.

Remarks.- Records excellent except those for period of ice effect, Nob. 1 to Apr. 26, computed on basis of one discharge measurement and records for station near Wyoming-Idaho line and those for Oct. 10, 11, 13-18, 20-25, 27-31, computed on basis of records for Cottonwood Creek near Smoot, which are fair. A few diversions above station for irrigation.

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

Oct. 1-31		Apr. 27 to Sept. 30			
1.0	5.2	1.0	4.5	2.2	151
1.1	10.5	1.2	14.5	2.4	206
		1.4	30	2.6	263
		1.6	49	2.8	322
		1.8	73	3.0	383
		2.0	106	3.2	446

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.8							167	272	58	41	9.1
2	7.8							184	248	54	34	8.1
3	7.3							220	217	54	28	8.5
4	6.8							257	209	53	25	9.7
5	6.3							304	186	48	26	9.1
							20					
6	6.3							263	173	46	26	9.1
7	6.3							223	184	44	23	9.7
8	6.3							192	186	44	22	9.7
9	6.8							209	162	43	22	9.7
10	6.8					*6.0		260	151	43	20	9.7
11	7.2							304	154	45	18	9.7
12	7.3							337	162	47	17	9.7
13	7.2						30	346	162	51	16	9.7
14	7.0							380	164	41	14	10
15	6.8							402	170	34	14	11
16	6.6							389	156	33	14	11
17	6.0							346	129	34	14	12
18	6.0						80	310	112	34	13	12
19	6.3							313	104	34	13	12
20	6.3							310	101	34	12	12
21	6.6							292	99	34	12	13
22	6.6							275	99	34	12	13
23	6.8						150	257	95	31	11	12
24	6.8							246	88	34	9.7	12
25	6.8							257	86	36	8.5	12
26	6.8						160	257	80	37	8.1	10
27	6.8						156	263	72	34	7.7	9.1
28	6.8						144	260	69	30	8.1	9.1
29	6.8						154	266	66	30	7.7	9.1
30	6.8						156	275	61	28	7.7	9.7
31	7.0						-	272	-	27	8.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	209.8	7.8	6.0	6.77	416
November	180	-	-	6	357
December	155	-	-	5	307
Calendar year					
January	155	-	-	5	307
February	159.5	-	-	5.5	316
March	186	-	-	6	369
April	2,270	-	-	75.7	4,500
May	8,636	402	167	279	17,130
June	4,222	272	61	141	8,370
July	1,229	58	27	39.6	2,440
August	512.6	41	7.7	16.5	1,020
September	310.5	13	8.1	10.4	616
Water year 1935-36	18,225.4	402	-	49.8	36,150

*Discharge measurement.

Salt River at Wyoming-Idaho line

Location.- Water-stage recorder, lat. 43°10', long. 111°4', in sec. 16, T. 3 S., R. 46 E., just below mouth of Trout Creek, half a mile above mouth, and three-quarters of a mile west of Wyoming-Idaho line.

Drainage area.- 890 square miles.

Records available.- April 1934 to September 1936. July 1917 to September 1918 at site 4 miles upstream.

Extremes.- Maximum discharge during year, 3,520 second-feet May 6 (gage height, 4.64 feet); minimum daily discharge, 345 second-feet Mar. 24.
1934-36: Maximum discharge, that of May 6, 1936; minimum, 216 second-feet May 17, 1934 (gage height, 1.30 feet).

Remarks.- Records excellent except those for periods of ice effect, Dec. 17-28, Jan. 6-12, 23-25, Jan. 27 to Feb. 1, Feb. 9 (computed on the basis of gage heights and weather records), and those for May 11-16, 18-21 (computed on the basis of records for station near Smoot), which are good. Diversions for irrigation above station.

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

Oct. 1 to Dec. 16		Dec. 17 to Sept. 30			
1.7	370	1.6	336	2.8	1,175
1.8	412	1.8	430	3.0	1,370
1.9	462	2.0	548	3.5	1,960
2.0	520	2.2	681	4.0	2,620
2.1	580	2.4	829	4.5	3,320
		2.6	995	4.7	3,600

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	442	520	408	441	410	362	371	2,830	2,260	1,020	944	717
2	442	538	408	441	410	358	367	2,730	2,220	1,000	986	710
3	437	532	417	425	400	358	362	2,680	2,120	995	1,000	724
4	437	526	427	441	380	358	362	2,800	2,020	978	1,040	746
5	442	532	432	436	376	362	349	3,120	2,000	978	1,010	746
6	442	532	447	430	385	362	349	3,460	1,960	986	978	746
7	452	532	452	415	380	362	349	3,070	1,870	986	952	731
8	452	526	447	390	405	367	380	2,760	1,830	961	927	724
9	447	538	447	405	400	367	390	2,620	1,830	952	910	724
10	452	532	442	415	395	367	385	2,660	1,730	952	910	724
11	468	503	442	425	395	345	405	2,860	1,660	995	918	717
12	485	508	447	435	395	354	436	3,060	1,610	1,060	910	717
13	485	520	447	441	395	354	458	3,180	1,490	1,260	902	710
14	485	508	437	430	395	354	492	3,140	1,390	1,230	886	703
15	485	503	437	425	395	358	548	3,250	1,370	1,100	886	703
16	485	491	442	420	395	349	620	3,150	1,330	1,040	870	688
17	479	491	420	405	371	349	681	2,930	1,310	1,010	861	681
18	479	497	410	410	367	354	829	2,750	1,280	978	845	667
19	479	491	415	420	371	349	1,000	2,620	1,250	952	837	661
20	485	485	415	425	376	349	1,210	2,550	1,220	927	821	647
21	497	479	415	420	376	354	1,580	2,480	1,150	918	783	640
22	503	474	420	405	395	349	1,910	2,400	1,130	902	768	633
23	503	474	420	410	420	349	2,230	2,320	1,120	861	753	627
24	520	468	420	405	400	345	2,490	2,250	1,090	935	739	613
25	550	452	420	400	385	349	2,560	2,180	1,080	1,020	739	620
26	544	452	425	415	380	349	2,700	2,140	1,030	1,020	731	640
27	538	452	430	415	371	362	2,730	2,100	1,020	978	731	627
28	532	447	425	420	362	376	2,890	2,060	1,020	944	695	620
29	526	437	415	415	358	371	2,970	2,000	1,060	944	710	647
30	532	427	410	415	-	358	2,960	1,870	1,050	910	710	640
31	532	-	430	410	-	376	-	1,920	-	910	724	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15,037	550	437	485	29,830
November	14,867	538	427	496	29,490
December	13,269	452	408	428	26,320
Calendar year 1935	190,607	1,300	-	522	378,000
January	13,005	441	390	420	25,800
February	11,243	420	358	388	22,300
March	11,076	376	345	357	21,970
April	35,363	2,970	349	1,179	70,140
May	81,940	3,460	1,870	2,643	162,500
June	44,500	2,260	1,020	1,483	88,260
July	30,702	1,260	861	990	60,900
August	26,476	1,040	695	854	52,510
September	20,493	746	613	683	40,650
Water year 1935-36	317,971	3,460	345	869	630,700

Cottonwood Creek near Smoot, Wyo.

Location.- Water-stage recorder, lat. 42°37', long. 110°53', in sec. 4, T. 30 N., R. 118 W., 1½ miles southeast of Smoot.

Drainage area.- 26 square miles.

Records available.- May 1933 to September 1936.

Extremes.- Maximum discharge during year, 247 second-feet June 2 (gage height, 2.42 feet); minimum daily discharge, 10 second-feet Apr. 7-10.
1933-36: Maximum discharge observed, 424 second-feet June 17-18, 1933 (gage height, 2.76 feet, former datum); minimum daily discharge, 8.5 second-feet Feb. 28 to Mar. 2, 1935.

Remarks.- Records excellent except those for period of ice effect, Dec. 17 to Mar. 6, Mar. 8, 9, 15, which were computed on basis of temperature records and are good. One small diversion above station. Flow regulated by storage in Cottonwood Lake.

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

Oct. 1 to Dec. 16, June 15 to Sept. 30

1.0	16	2.0	151
1.2	25	2.2	196
1.4	42	2.4	242
1.6	67	2.5	265
1.8	107		

Mar. 7 to June 14

0.8	9	1.8	114
1.0	20	2.0	154
1.2	35	2.2	196
1.4	54	2.4	242
1.6	78	2.5	265

Discharge, 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	21	21			12	13	52	203	114	57	32
2	20	22	18			12	12	47	228	107	52	31
3	20	22	18			12	12	43	219	107	49	32
4	20	22	18			12	12	44	208	98	48	32
5	20	21	18			12	14	50	183	96	45	31
6	20	21	18			12	12	61	172	92	44	29
7	20	21	18			12	10	69	172	81	42	28
8	19	21	18			12	10	72	176	81	40	28
9	19	22	18			12	10	72	162	81	38	27
10	18	22	18			12	10	77	168	78	37	27
11	18	22	18			15	12	91	170	76	39	27
12	18	22	19			12	15	108	187	78	43	26
13	18	21	19			12	17	122	201	76	44	26
14	18	21	19			12	19	156	208	72	45	27
15	18	21	20			12	22	189	214	72	44	27
16	19	21	19			13	26	192	212	74	42	25
17	19	21	17			12	31	185	210	69	42	24
18	20	21	15			12	37	174	201	67	42	24
19	20	22	16			12	42	178	194	64	40	25
20	20	23	16			12	46	187	194	66	39	25
21	20	23	17			12	53	183	189	64	39	26
22	21	23	17			12	61	183	180	63	46	24
23	21	23	17			12	66	181	171	63	49	24
24	21	22	17			12	66	192	164	64	46	23
25	21	22	18			12	66	192	158	61	44	22
26	21	21	18			12	68	196	151	56	43	21
27	21	21	18			12	65	201	142	57	41	21
28	21	21	17			12	62	194	138	53	38	21
29	21	21	17			13	60	210	125	53	34	21
30	21	21	16			13	57	219	120	51	32	21
31	22	-	17			13	-	212	-	52	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	615	22	18	19.8	1,220
November	648	23	21	21.6	1,290
December	550	21	15	17.7	1,090
Calendar year 1935	12,309.8	208	8.5	33.7	24,430
January	465	-	-	15	922
February	377	-	-	13	748
March	379	15	12	12.2	752
April	1,006	68	10	33.5	2,000
May	4,332	219	43	140	8,590
June	5,420	228	120	181	10,750
July	2,286	114	51	73.7	4,530
August	1,316	57	32	42.5	2,610
September	777	32	21	25.9	1,540
Water year 1935-36	18,171	228	-	49.6	36,040

Strawberry Creek near Bedford, Wyo.

Location.- Water-stage recorder, lat. 42°57', long. 110°54', in sec. 27, T. 34 N., R. 118 W., 1½ miles east of Bedford.

Drainage area.- 21.3 square miles.

Records available.- June 1932 to September 1936.

Extremes.- Maximum discharge during year, 342 second-feet June 1 (gage height, 3.94 feet); minimum daily discharge, 25 second-feet Apr. 10, 11.
1932-36: Maximum discharge observed, 675 second-feet June 25, 1932 (gage height, 3.00 feet, former site and datum); minimum not determined.

Remarks.- Records good. Discharge for periods of ice effect, Jan. 19 to Feb. 5, Feb. 8-28, computed on basis of weather records. One small diversion 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	46	39	32	31	31	31	30	60	317	153	104	71
2	46	39	32	31	31	31	30	60	277	151	110	70
3	45	39	32	31	31	31	29	62	279	145	107	71
4	45	39	32	31	31	28	29	71	217	143	104	71
5	46	38	32	31	31	27	29	96	196	143	101	69
6	46	37	32	31	26	27	28	108	198	142	98	65
7	45	37	32	33	28	27	26	104	209	138	95	65
8	45	37	32	33	29	27	26	96	204	135	91	64
9	44	37	32	34	30	27	26	85	201	132	90	64
10	44	36	32	34	30	28	25	86	193	130	90	62
11	44	36	32	33	32	27	25	92	212	126	90	60
12	43	35	32	32	32	27	26	104	236	126	90	60
13	42	35	32	32	32	26	26	121	261	126	88	60
14	41	35	32	31	32	29	29	132	270	122	87	59
15	41	35	32	31	32	29	31	138	274	122	87	59
16	41	35	32	31	32	29	33	136	263	121	86	56
17	40	35	32	31	30	29	34	128	254	121	84	56
18	40	35	32	30	31	29	39	132	260	119	83	56
19	41	35	32	31	31	29	45	168	251	118	83	55
20	42	35	32	31	31	29	52	187	241	114	82	54
21	41	34	32	29	31	29	58	205	236	114	80	54
22	40	34	32	29	31	29	64	203	219	113	82	54
23	40	34	32	29	31	29	69	205	209	113	80	54
24	39	34	32	28	31	29	71	203	199	116	82	53
25	40	33	32	28	31	30	71	214	202	118	82	53
26	41	33	32	27	31	30	69	243	193	114	78	51
27	41	32	32	28	31	31	66	255	183	113	77	51
28	40	32	32	30	31	31	64	258	177	112	75	51
29	40	32	32	30	32	31	64	260	169	110	77	50
30	39	32	32	30	-	31	62	163	159	107	75	50
31	39	-	31	30	-	31	-	287	-	106	79	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,307	46	39	42.2	2,590
November	1,059	39	32	35.3	2,100
December	991	32	31	32.0	1,970
Calendar year 1935	20,772	240	29	56.9	41,200
January	951	34	27	30.7	1,890
February	893	32	26	30.8	1,770
March	900	31	27	29.0	1,790
April	1,276	71	25	42.5	2,530
May	4,662	287	60	150	9,250
June	6,759	317	159	225	13,410
July	3,863	153	106	125	7,660
August	2,717	110	75	87.6	5,390
September	1,766	71	50	58.9	3,510
Water year 1935-36	27,146	317	25	74.2	53,660

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McCoy Creek near Alpine, Wyo.

Location.- Staff gage, lat. 43°11'20", long. 111°6'0", in NE¼ sec. 6, T. 3 S., R. 46 E., at highway bridge 0.4 mile above mouth and 3⅞ miles northwest of Alpine.

Records available.- July 1917 to September 1918, May to July 1934 (summers only).

Extremes.- Maximum daily discharge during period, 81 second-feet May 2, 7, 8; minimum, 1 second-foot on many days.
1917-18, 1934: Maximum daily discharge during periods of record, 190 second-feet June 25, 1918; minimum, that of 1934.

Remarks.- Records furnished by U. S. Bureau of Reclamation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								78	26	10		
2								81	29	6		
3								77	28	5		
4								70	25	5		
5								66	24	6		
6								66	25	5		
7								81	25	5		
8								81	32	4		
9								68	30	6		
10								59	25	5		
11								57	24	7		
12								55	22	2		
13								53	20	2		
14								47	21	1		
15								47	19	3		
16								55	18	2		
17								56	16	2		
18								43	18	1		
19								39	15	1		
20								37	14	1		
21								36	14	1		
22								35	14	1		
23								35	13	1		
24								32	14	1		
25								30	14	1		
26								28	14	3		
27								28	12	3		
28								27	12	1		
29								27	11	1		
30								28	11	1		
31								27	-	1		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	1,549	81	27	50.0	3,070
June	585	32	11	19.5	1,160
July	94	10	1	3.0	186
August	-	-	-	-	-
September	-	-	-	-	-
The period					4,416

Elk Creek near Irwin, Idaho

Location.- Staff gage, lat. 43°18'44", long. 111°9'3", in SW¼ sec. 23, T. 1 S., R. 45 E., 600 feet above mouth and 9¾ miles southeast of Irwin.

Records available.- July 1917 to September 1918 (published Big Elk Creek near Blowout, Idaho, April to July 1934 (summers only).

Extremes.- Maximum discharge observed during period, 135 second-feet May 7; minimum, 18 second-feet July 18-21.
1917-18, 1934.- Maximum discharge observed during periods, 870 second-feet June 15, 1918; minimum, that of July 18-21, 1934.

Remarks.- Records good. Records furnished by U. S. Bureau of Reclamation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	128	58	29		
2							-	128	61	28		
3							-	128	60	29		
4							-	133	60	30		
5							-	133	58	29		
6							-	133	52	29		
7							-	135	50	25		
8							-	133	52	24		
9							-	130	51	24		
10							-	130	51	21		
11							-	128	49	19		
12							-	128	40	19		
13							-	112	39	19		
14							-	101	39	20		
15							-	101	38	20		
16							-	97	39	20		
17							-	92	39	19		
18							-	90	38	18		
19							-	99	38	18		
20							-	97	38	18		
21							-	92	40	18		
22							-	82	36	19		
23							-	82	34	20		
24							-	72	33	21		
25							-	72	32	21		
26							101	72	31	20		
27							101	72	35	20		
28							101	71	30	19		
29							101	69	31	20		
30							101	54	31	20		
31							-	61	-	21		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April 26-30	505	101	101	101	1,000
May	3,155	135	54	101	6,260
June	1,283	61	31	42.8	2,540
July	677	30	18	21.8	1,340
August	-	-	-	-	-
September	-	-	-	-	-
The period					11,140

Bear Creek near Irwin, Idaho

Location.- Staff gage, lat. 43°19'25", long. 111°11'47" in SW¼ sec. 16, T. 1 S., R. 45 E., 600 feet above mouth and 7½ miles southeast of Irwin.

Records available.- July 1917 to September 1918, May 1934 to October 1936 (no records during winters).

Extremes.- 1934: Maximum discharge observed during period, 60 second-feet May 2; minimum, 9 second-feet July 20.

1935: Maximum discharge observed during period, 436 second-feet May 23; minimum, 20 second-feet Oct. 17-31.

1936: Maximum discharge observed during period, 784 second-feet May 5; minimum, 20 second-feet Apr. 7.

1917-18, 1934-36: Maximum discharge observed during periods of record, that of May 5, 1936; minimum, that of July 20, 1934.

Remarks.- Records good except those for April and May 1935, which are fair. Discharge estimated Apr. 1, 2, 1935, and Apr. 1-6, 1936. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height record for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

Day	1934 May	1934 June	1934 July			1935 Apr.	1935 May	1935 June	1935 July	1935 Aug.	1935 Sept.	1935 Oct.
1	59	30	14			28	248	260	82	36	26	24
2	60	30	15			28	209	254	82	36	26	24
3	59	30	16			28	193	248	82	36	26	23
4	58	29	18			29	198	246	80	36	26	23
5	58	26	20			29	264	251	80	36	25	23
6	58	23	19			29	313	251	80	36	25	23
7	58	25	18			28	293	257	78	36	25	23
8	58	32	16			30	286	260	73	36	25	23
9	53	25	16			35	325	251	68	35	25	23
10	48	22	15			35	371	244	66	35	24	22
11	46	22	14			43	358	220	66	35	24	22
12	45	21	13			51	329	223	66	33	24	21
13	45	21	13			65	290	217	68	33	24	21
14	44	21	13			81	254	200	66	33	24	21
15	42	23	13			123	235	176	62	33	24	21
16	40	23	12			123	271	163	60	32	24	21
17	40	23	11			126	305	155	53	31	24	20
18	40	23	11			137	325	155	52	31	24	20
19	40	23	10			170	379	132	50	30	24	20
20	40	23	9			254	375	132	49	28	24	20
21	39	21	16			362	393	132	49	28	24	20
22	38	20	15			290	425	118	47	28	24	20
23	36	20	16			238	436	115	47	30	24	20
24	35	20	14			161	416	108	47	35	24	20
25	34	20	12			143	430	103	46	32	24	20
26	34	20	10			178	379	103	45	28	24	20
27	32	16	10			264	375	93	42	26	24	20
28	32	15	10			267	379	90	42	26	24	20
29	32	15	10			297	358	85	41	26	24	20
30	31	14	10			286	305	83	39	26	24	20
31	30	-	11			-	297	-	36	26	-	20

Discharge, in second-feet, of Bear Creek near Irwin, Idaho, 1934-36--continued

Day	1936											
						Apr.	May	June	July	Aug.	Sept.	Oct.
1							503	374	105	66	37	32
2							470	358	99	75	35	32
3							503	331	94	94	37	32
4						20	571	299	94	76	37	32
5							784	291	94	66	34	31
6							694	271	92	54	34	31
7						20	523	263	91	51	34	31
8						22	523	263	84	47	34	31
9						22	537	244	81	46	33	31
10						23	578	230	81	51	33	31
11						27	641	218	80	47	34	31
12						36	712	218	80	44	34	31
13						49	676	218	78	42	35	31
14						59	698	208	75	41	35	31
15						80	676	200	72	47	35	31
16						115	624	195	70	43	34	31
17						155	537	188	69	40	34	31
18						210	517	183	66	37	34	31
19						274	503	177	64	36	34	31
20						337	503	170	61	36	34	31
21						421	450	170	59	34	34	31
22						554	405	161	59	34	33	31
23						641	405	151	56	34	33	31
24						520	399	136	74	33	32	31
25						454	386	127	69	32	32	31
26						454	374	121	65	32	31	31
27						454	374	117	59	32	32	29
28						470	368	114	59	32	33	29
29						486	355	108	55	32	33	29
30						523	355	105	54	32	32	29
31						-	343	-	61	39	-	29

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
May	1,360	60	30	43.9	2,700
June	676	30	14	22.5	1,340
July	420	20	9	13.5	833
August		-	-	-	-
September		-	-	-	-
The period					4,873
1935					
April	3,958	362	28	132	7,850
May	10,014	436	193	323	19,860
June	5,327	260	83	178	10,570
July	1,844	82	36	59.5	3,660
August	988	36	26	31.9	1,960
September	733	26	24	24.4	1,450
October	658	24	20	21.2	1,310
The period					46,660
1936					
April	6,526	641	20	218	12,940
May	15,987	784	343	516	31,710
June	6,209	374	105	207	12,320
July	2,300	105	54	74.2	4,560
August	1,405	94	32	45.3	2,790
September	1,016	37	31	33.9	2,010
October	955	32	29	30.8	1,890
The period					68,220

Palisade Creek near Irwin, Idaho

Location.- Staff gage, lat. 43°22'32", long. 111°14'37", in NW¼ sec. 35, T. 1 N., R. 44 E., 1,300 feet above mouth and 3½ miles southeast of Irwin.

Records available.- July 1917 to September 1918, May 1934 to October 1936 (no records during winters).

Extremes.- 1934: Maximum discharge observed during period, 22 second-feet May 6; minimum, 1 second-foot on many days.
1935: Maximum discharge observed during period, 235 second-feet May 24; no flow on many days.
1936: Maximum discharge observed during period, 611 second-feet May 16; minimum, 1 second-foot on many days.
1917-18, 1934-36: Maximum discharge observed during periods of record, that of May 16, 1936; no flow on many days in 1935.

Remarks.- Records good. Discharge estimated Apr. 1-6, 1936. Palisade Canal diverts water 2,000 feet above gage for irrigation. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height records for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

Day	1934					1935						
	May	June	July			Apr.	May	June	July	Aug.	Sept.	Oct.
1	11	2	1			10	66	140	2	1		
2	15	1	1			10	62	151	1	1		
3	15	1	1			11	63	151	1	1		
4	14	1	1			11	59	140	1	0		
5	15	1	1			11	56	151	1	0		
6	22	1	12			11	63	173	1	0		
7	17	1	10			10	82	162	1	0		
8	16	2	2			10	78	162	1	0		
9	17	1	2			11	86	158	1	0		
10	4	1	2			10	118	114	1	0		
11	3	1	1			11	118	114	1	0		
12	2	1	1			11	140	114	1	0		
13	2	1	1			19	118	118	1	0		
14	2	1	1			22	116	118	1	0		
15	2	1	1			33	82	76	1	0		
16	2	1	1			36	89	76	0	0		
17	1	1	1			35	110	56	0	2		
18	1	1	1			35	140	36	0	3		
19	2	1	1			35	144	36	0	0		
20	2	1	1			44	151	34	0	0		
21	1	1	1			114	184	34	0	0		
22	1	1	1			116	193	32	0	0		
23	2	1	1			116	210	25	0	0		
24	2	1	1			61	235	25	0	0		
25	2	1	1			70	207	11	0	0		
26	2	1	1			74	207	11	0	0		
27	2	1	1			84	202	11	0	0		
28	2	1	1			82	196	4	0	0		
29	2	1	1			70	184	4	0	0		
30	2	1	1			72	151	4	0	0		
31	2	-	1			-	151	-	0	0		

Discharge, in second-feet of Palisade Creek near Irwin, Idaho, 1934-36--continued

Day						1936						
						Apr.	May	June	July	Aug.	Sept.	Oct.
1						17	146	348	7	21	20	1
2						17	142	295	6	22	20	1
3						17	177	295	6	21	20	1
4						17	230	208	5	21	20	1
5						17	323	208	5	21	20	1
6						17	307	208	4	21	20	1
7						19	214	270	4	21	20	1
8						19	214	254	4	24	20	1
9						19	230	208	4	24	20	1
10						19	298	208	4	21	19	1
11						18	348	208	4	21	19	1
12						19	419	208	4	22	18	1
13						21	444	224	4	45	18	1
14						33	450	208	4	45	18	1
15						105	465	208	4	28	18	1
16						220	611	149	4	28	14	1
17						220	444	144	4	28	14	1
18						227	444	144	4	28	1	1
19						136	316	80	4	28	1	1
20						139	316	80	4	28	1	1
21						139	301	80	3	24	1	1
22						149	316	45	3	24	1	1
23						217	316	45	1	24	1	1
24						200	316	31	1	21	1	4
25						177	270	39	1	21	1	4
26						172	233	42	1	21	1	15
27						172	180	42	1	20	1	15
28						157	180	42	1	26	1	15
29						146	180	8	1	26	1	15
30						146	239	8	1	26	1	15
31							332	-	21	26	-	15

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
May	185	22	1	6.0	367
June	32	2	1	1.1	63
July	54	12	1	1.7	107
The period					537
1935					
April	1,245	116	10	41.5	2,470
May	4,109	235	56	133	8,150
June	2,441	173	4	81.4	4,840
July	16	2	0	.5	32
August	8	3	0	.3	16
September	0	0	0	0	0
October	0	0	0	0	0
The period					15,510
1936					
April	2,991	227	17	99.7	5,930
May	9,401	611	142	303	18,650
June	4,537	348	8	151	9,000
July	124	21	1	4.0	246
August	777	45	20	25.1	1,540
September	330	20	1	11.0	655
October	121	15	1	3.9	240
The period					36,260

Palisade Canal near Irwin, Idaho

Location.- Staff gage, lat. 43°22'44", long. 111°14'24", in S½ sec. 26, T. 1 N., R. 44 E., 600 feet below head gates and 3½ miles southeast of Irwin.

Records available.- April 1935 to October 1936 (no records during winters).

Extremes.- 1935: Maximum discharge observed during period, 127 second-feet June 1 and 2; minimum, 7 second-feet Apr. 1-6, 9-11.

1936: Maximum discharge observed during period, 166 second-feet June 29, 30; minimum, 7 second-feet Oct. 26-28.

1935-36: Maximum discharge observed during periods of record, that of June 29, 30, 1936; minimum, 7 second-feet in April 1935 and October 1936.

Remarks.- Records good. Discharge estimated Apr. 1-6, 1936. Water is used for irrigation in Swan Valley. Gage-height record collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1935-36

Day						1935 Apr.	May	June	July	Aug.	Sept.	Oct.
1						7	13	59	111	65	46	42
2						7	13	61	101	65	41	42
3						7	11	61	102	63	41	42
4						7	11	61	102	63	41	42
5						7	10	61	104	65	41	42
6						7	11	72	104	65	42	42
7						8	11	72	102	61	42	42
8						8	11	93	102	61	41	42
9						7	12	99	101	61	41	42
10						7	14	125	86	61	41	42
11						7	14	127	83	57	41	42
12						8	17	127	83	56	41	42
13						9	15	125	82	56	41	42
14						9	15	125	82	56	42	42
15						11	14	113	82	56	41	42
16						12	13	113	82	56	41	42
17						13	15	113	84	55	41	42
18						14	23	107	78	55	41	42
19						14	21	107	78	72	41	41
20						15	23	107	77	72	41	41
21						20	27	107	76	65	41	41
22						20	28	107	76	65	41	42
23						19	39	114	76	65	41	42
24						11	42	114	77	59	41	42
25						12	36	112	76	57	41	42
26						13	42	112	76	55	41	41
27						14	42	112	74	55	41	34
28						14	49	114	74	49	41	34
29						13	63	112	69	49	41	34
30						13	61	112	69	46	42	34
31						-	59	-	69	46	-	34

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1935					
April	333	20	7	11.1	660
May	775	63	10	25.0	1,540
June	3,044	127	59	101	6,040
July	2,638	111	69	85.1	5,230
August	1,832	72	46	59.1	3,630
September	1,239	46	41	41.3	2,460
October	1,258	42	34	40.6	2,500
The period					22,060

Discharge, in second-feet, of Palisade Canal near Irwin, Idaho, 1935-36--continued

Day						1936 Apr.	May	June	July	Aug.	Sept.	Oct.
1						9	11	116	153	60	40	49
2						9	11	100	149	60	40	49
3						9	11	100	102	54	40	49
4						9	17	84	102	50	40	49
5						9	15	86	102	50	40	49
6						9	14	53	102	50	40	49
7						9	12	53	102	50	40	49
8						9	12	48	102	50	40	49
9						9	12	44	102	46	40	49
10						9	11	44	102	46	40	49
11						9	12	44	102	41	35	49
12						10	14	42	102	41	35	49
13						10	15	42	100	49	35	49
14						11	15	42	100	49	35	49
15						11	16	63	98	43	35	49
16						12	15	107	92	43	40	49
17						13	15	105	90	41	40	49
18						14	15	116	90	41	50	47
19						15	35	116	90	41	50	46
20						13	35	116	90	41	50	46
21						15	35	127	87	46	50	41
22						15	57	149	87	46	50	41
23						13	57	127	79	46	50	41
24						12	57	125	79	46	50	32
25						12	111	116	79	46	49	32
26						12	105	116	79	46	49	7
27						12	127	116	79	40	49	7
28						11	145	116	79	32	49	7
29						11	145	166	79	32	49	8
30						11	130	166	79	32	49	8
31						-	127	-	60	32	-	8

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1936					
April	332	15	9	11.1	659
May	1,409	145	11	45.5	2,790
June	2,845	166	42	94.8	5,640
July	2,938	153	60	94.8	5,830
August	1,390	60	32	44.8	2,760
September	1,299	50	35	43.3	2,580
October	1,204	49	7	38.8	2,390
The period					22,650

Fall Creek near Swan Valley, Idaho

Location.- Staff gage, lat. 43°26'28", long. 111°22'35" in SE¼ sec. 3, T. 1 N., R. 43 E., 20 feet above mouth and 2 miles west of Swan Valley.

Records available.- July 1917 to September 1918, May 1934 to October 1936 (no records during winters).

Extremes.- 1934: Maximum discharge observed during period, 17 second-feet May 1-6; minimum, 8 second-feet July 14-19, 26-31.

1935: Maximum discharge observed during period, 123 second-feet May 23; minimum, 10 second-feet on many days during August and September.

1936: Maximum discharge observed during period, 292 second-feet May 4; minimum. 14 second-feet Sept. 11-30.

1917-18, 1934-36: Maximum discharge observed during periods of record, that of May 4, 1936; minimum, that of July 14-19, 26-31, 1934.

Remarks.- Records good except those estimated for Apr. 1-3, 20-23, 1935, and Apr. 24-29, Sept. 19 to Oct. 31, 1936, which are fair. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height records for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

	1934					1935						
Day	May	June	July			Apr.	May	June	July	Aug.	Sept.	Oct.
1	17	12	9			17	90	92	38	11	10	12
2	17	11	9			17	72	88	26	11	10	13
3	17	11	9			17	72	82	25	11	11	13
4	17	10	10			17	63	78	25	11	10	13
5	17	10	10			18	76	74	24	11	10	13
6	17	11	10			18	98	72	24	11	10	13
7	16	11	9			17	98	68	21	10	12	12
8	16	12	9			17	96	67	21	10	11	12
9	16	14	9			22	98	63	21	10	11	12
10	15	14	9			21	106	60	21	10	11	12
11	14	14	9			22	94	58	19	10	10	12
12	14	11	9			25	102	57	19	10	11	12
13	14	11	9			30	94	53	18	10	11	12
14	13	11	8			38	86	60	17	10	10	12
15	12	11	8			32	80	58	17	10	10	13
16	12	11	8			34	92	57	17	10	10	13
17	12	11	8			34	98	46	16	10	10	13
18	12	12	8			39	102	44	16	10	10	13
19	12	10	8			47	100	43	16	10	10	13
20	12	10	9			63	112	40	15	10	10	13
21	12	10	9			75	112	40	14	10	10	13
22	12	10	9			87	121	38	14	10	10	13
23	12	10	9			63	123	38	13	10	10	13
24	12	10	10			58	121	34	13	11	11	13
25	12	10	9			55	114	33	13	10	12	13
26	12	10	8			72	104	33	13	10	11	13
27	12	9	8			82	102	42	13	10	12	13
28	12	9	8			86	108	42	13	10	12	13
29	12	9	8			74	102	38	12	10	12	12
30	12	9	8			88	96	39	12	10	13	12
31	12	-	8			-	92	-	12	10	-	12

Discharge, in second-feet, of Fall Creek near Swan Valley, Idaho, 1934-36--continued

1936

Day					Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.
1					15	249	121	36	27	16		
2					15	236	110	35	34	16		*16
3					16	249	100	36	35	16		
4					16	292	100	36	28	16		
5					15	272	100	35	26	16		
6					15	263	92	31	24	15		
7					16	216	94	32	22	15		
8					18	189	86	30	22	15		
9					22	193	84	30	23	15		
10					20	232	81	30	22	15		
11					22	240	77	32	23	14		
12					37	249	75	31	23	14		
13					35	232	68	32	23	14		
14					40	236	66	28	23	14		
15					49	236	63	28	23	14		
16					49	228	65	27	22	14		
17					68	180	58	27	19	14		
18					80	171	58	26	18	15		
19					134	165	56	23	17			
20					134	156	50	23	17			
21					136	140	50	23	17			
22					168	130	48	23	16			
23					220	128	47	22	17			
24					210	124	46	26	17	14		
25					190	115	46	27	16			
26					180	115	42	26	16			
27					180	110	42	23	15			
28					180	108	40	23	15			
29					180	104	40	22	16			
30					258	100	36	21	15			
31					-	96	-	30	17	-		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
May	424	17	12	13.7	841
June	324	14	9	10.8	643
July	271	10	8	8.7	538
The period					2,022
1935					
April	1,285	88	17	42.8	2,550
May	3,014	123	63	97.2	5,980
June	1,637	92	33	54.6	3,250
July	558	38	12	18.0	1,110
August	317	11	10	10.2	629
September	321	13	10	10.7	637
October	391	13	12	12.6	776
The period					14,930
1936					
April	2,718	258	15	90.6	5,390
May	5,754	292	96	186	11,410
June	2,041	121	36	68.0	4,050
July	874	36	21	28.2	1,730
August	648	35	15	20.9	1,290
September	436	16	14	14.5	865
October	465			15	922
The period					25,660

*Discharge measurement.

Rainy Creek near Swan Valley, Idaho

Location.- Staff gage, lat. 43°26'54", long. 111°22'11", in NE¼ sec. 3, T. 1 N., R. 43 E., half a mile above mouth and 1½ miles west of Swan Valley.

Records available.- May 1934 to October 1936. July 1917 to September 1918 at site half a mile upstream (several second-feet inflow between sites). No records during winters.

Extremes.- 1934: Maximum discharge observed during period, 44 second-feet May 25, 27, 28; minimum, 27 second-feet July 15-31.

1935: Maximum discharge observed during period, 213 second-feet May 26; minimum, 23 second-feet Apr. 1-8.

1936: Maximum discharge observed during period, 347 second-feet May 14; minimum (discharge measurement), 20 second-feet Apr. 7.

1917-18, 1934-36: Maximum discharge observed during periods, that of May 14, 1936; minimum, that of Apr. 7, 1936.

Remarks.- Records good except those estimated for periods of backwater effect from Snake river, May 5-6, 15-19, June 1, 2, 1936, which are poor. Discharge estimated for periods of no gage-height record Apr. 1-6, 1935, and Apr. 1-4, 1936. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height records for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

	1934				1935						
Day	May	June	July		Apr.	May	June	July	Aug.	Sept	Oct.
1	40	40	33		23	76	105	57	48	38	31
2	41	40	32		23	67	100	55	46	37	32
3	40	41	33		23	61	98	55	46	37	32
4	39	42	30		23	58	87	54	48	37	33
5	37	40	30		23	66	82	53	48	36	34
6	37	39	30		23	82	76	55	45	34	31
7	37	41	30		23	83	73	55	46	36	31
8	37	42	29		23	78	73	57	48	34	30
9	38	41	30		25	88	71	61	46	32	32
10	37	34	29		25	98	67	62	46	32	32
11	38	33	28		25	105	64	60	45	30	33
12	39	32	28		30	87	57	60	45	31	33
13	38	32	28		31	90	53	60	44	32	32
14	39	31	28		41	87	53	57	45	32	32
15	39	31	27		46	93	50	58	45	34	33
16	39	32	27		48	98	46	58	44	34	33
17	38	33	27		48	104	45	60	44	33	34
18	39	34	27		48	116	44	57	44	32	34
19	40	34	27		48	121	45	54	43	32	34
20	40	34	27		49	138	46	52	43	31	34
21	41	34	27		70	148	46	48	44	33	33
22	42	34	27		60	163	46	48	44	33	33
23	41	34	27		55	187	49	52	43	32	34
24	43	34	27		52	209	52	49	43	31	33
25	44	34	27		48	211	53	48	43	31	34
26	43	34	27		49	213	50	48	43	32	34
27	44	34	27		62	154	53	45	43	31	33
28	44	33	27		61	125	55	48	44	31	33
29	39	33	27		60	118	57	48	43	33	32
30	42	34	27		72	107	55	48	42	32	33
31	42	-	27		-	107	-	49	40	-	33

Discharge, in second-feet, of Rainy Creek near Swan Valley, Idaho, 1934-36--continued

1936

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						22	155	135	74	84	52	38
2						22	157	130	70	83	50	39
3						22	159	127	70	69	53	39
4						22	269	103	72	69	50	38
5						22	280	104	67	67	48	38
6						22	270	106	63	62	53	38
7						24	197	112	61	59	58	38
8						24	161	118	61	58	61	38
9						25	177	120	61	55	61	38
10						26	273	121	59	53	61	38
11						34	307	121	61	53	58	39
12						40	319	118	62	53	57	39
13						49	330	106	59	57	55	40
14						57	347	106	62	74	54	41
15						65	300	103	62	77	53	41
16						70	275	100	62	74	50	42
17						90	250	97	62	67	50	43
18						100	240	90	61	52	48	46
19						103	220	86	62	44	48	48
20						114	159	80	62	46	46	50
21						134	138	77	59	46	45	49
22						170	136	76	58	48	44	50
23						187	134	74	57	45	44	53
24						197	138	73	58	48	45	53
25						153	140	72	58	50	45	53
26						141	128	76	57	53	44	52
27						131	126	76	58	53	41	53
28						133	126	72	62	57	40	50
29						138	117	70	78	58	40	49
30						193	115	76	80	53	38	50
31						-	100	-	82	52	-	50

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
May	1,237	44	37	39.9	2,450
June	1,064	42	31	35.5	2,110
July	877	33	27	28.3	1,740
The period					6,300
1935					
April	1,237	72	23	41.2	2,450
May	3,538	213	58	114	7,020
June	1,851	105	44	61.7	3,670
July	1,671	62	45	53.9	3,310
August	1,381	48	40	44.5	2,740
September	993	38	30	33.1	1,970
October	1,015	34	30	32.7	2,010
The period					23,170
1936					
April	2,530	197	22	84.3	5,020
May	6,243	347	100	201	12,380
June	2,925	135	70	97.5	5,800
July	1,980	82	57	63.9	3,930
August	1,819	84	44	58.7	3,610
September	1,492	61	38	49.7	2,960
October	1,373	53	38	44.3	2,720
The period					36,420

Pine Creek near Swan Valley, Idaho

Location.- Staff gage, lat. 43°30'30", long, 110°21'20", in NE¼ sec. 14, T. 2 N., R. 43 E., 3½ miles above mouth and 4 miles north of Swan Valley.

Records available.- July 1917 to September 1918, May 1934 to October 1936 (no winter records).

Extremes.- 1934: Maximum discharge observed during period, 72 second-feet May 1; minimum, 2 second-feet July 19.

1935: Maximum discharge observed during period, 549 second-feet May 24; minimum (discharge measurement), 3.1 second-feet Sept. 17.

1936: Maximum discharge observed during period, 799 second-feet May 16: minimum (discharge measurement) 8.6 second-feet Aug. 24.

1917-18, 1934-36: Maximum discharge observed during periods of record, that of May 16, 1936; minimum, that of July 19, 1934.

Remarks.- Records good except those for Apr. 1 to June 8, 1936, which are fair. Discharge estimated Apr. 1, 1935, and interpolated July 5-11, 1936. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height records for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

Day	1934				1935						
	May	June	July		April	May	June	July	Aug.	Sept.	Oct.
1	72	16	8		23	269	423	51	17	6	7
2	70	16	7		23	227	367	47	16	6	7
3	70	16	7		24	213	325	47	16	6	7
4	70	14	7		24	199	283	43	15	6	7
5	68	13	12		25	227	255	39	15	6	7
6	68	14	10		26	269	227	35	14	6	8
7	65	14	7		32	283	199	32	14	6	8
8	65	65	7		34	297	186	30	14	6	8
9	60	32	6		51	283	186	28	14	6	8
10	56	23	6		58	269	172	27	13	6	8
11	51	18	5		70	255	148	27	13	6	8
12	47	16	5		70	255	148	26	12	6	8
13	47	14	4		94	269	138	26	11	6	8
14	44	14	3		109	269	138	24	11	6	8
15	44	14	3		138	283	127	24	11	6	8
16	43	13	3		148	283	123	23	10	6	8
17	35	13	3		172	269	118	22	10	6	8
18	28	13	3		186	255	109	22	9	6	9
19	32	16	2		241	311	109	20	9	6	9
20	28	14	5		283	381	102	20	9	6	9
21	23	13	5		311	423	94	20	9	6	9
22	20	12	4		269	479	94	20	8	6	9
23	19	11	5		199	521	88	18	8	6	9
24	19	10	5		213	549	81	18	8	6	9
25	19	10	4		241	499	70	18	8	6	9
26	18	10	4		241	493	65	18	8	6	9
27	18	9	4		233	485	65	18	7	6	11
28	18	9	4		213	485	60	18	7	7	11
29	17	8	4		199	479	60	18	7	7	11
30	16	8	4		255	479	56	17	6	7	11
31	16	-	3		-	451		17	6	-	11

Discharge, in second-feet, of Pine Creek near Swan Valley, Idaho, 1934-36--continued

1936

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						28	583	418	50	19	10	10
2						28	597	430	50	18	10	10
3						28	597	406	47	22	10	10
4						28	620	394	45	19	10	10
5						28	643	418	43	18	10	10
6						28	643	406	41	17	10	10
7						28	617	370	39	17	10	10
8						28	617	346	37	15	10	10
9						28	591	310	35	15	9	10
10						32	566	288	33	15	9	10
11						32	566	265	31	15	9	10
12						43	604	244	29	15	9	10
13						51	643	222	29	15	9	10
14						65	695	212	29	15	9	10
15						81	747	192	29	15	9	10
16						127	799	173	29	15	10	10
17						160	747	164	26	15	10	10
18						227	695	146	26	14	10	10
19						283	643	138	24	14	10	10
20						275	643	121	22	13	10	10
21						314	566	113	22	13	10	10
22						367	504	105	21	13	10	10
23						415	442	90	21	12	10	10
24						482	418	84	21	11	10	10
25						532	406	77	20	11	10	10
26						543	406	71	20	10	10	11
27						557	394	65	20	10	10	11
28						571	394	63	19	10	10	11
29						583	394	60	19	10	10	11
30						583	394	54	19	10	10	11
31						-	394	-	19	10	-	11

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
May	1,266	72	16	40.8	2,510
June	468	65	8	15.6	928
July	159	12	2	5.1	315
The period					3,753
1935					
April	4,205	311	23	140	8,340
May	10,709	549	199	345	21,240
June	4,616	423	56	154	9,160
July	813	51	17	26.2	1,610
Aug	335	17	6	10.8	664
Sept	183	7	6	6.1	363
Oct	267	11	7	8.6	530
The period					41,910
1936					
April	6,575	583	28	219	13,040
May	17,568	799	394	567	34,850
June	6,445	430	54	215	12,780
July	915	50	19	29.5	1,810
Aug	441	22	10	14.2	875
Sept	293	10	9	9.8	581
Oct	316	11	10	10.2	627
The period					64,560

Burns Creek near Chokecherry, Idaho

Location.- Staff gage, lat. 43°35'50", long. 111°28'25" in SE¼ sec. 11, T. 3 N., R. 42 E., 600 feet above mouth and 5½ miles east of Chokecherry.

Records available.- July to September 1917 (published as Burns Creek near Heise), May 1934 to October 1936 (no winter records).

Extremes.- 1934: Maximum discharge observed during period, 23 second-feet May 1, 2, 5-7; minimum, 4 second-feet July 31 to Aug. 4.

1935: Maximum discharge observed during period, 242 second-feet May 23; minimum, 4 second-feet Aug. 14-17.

1936: Maximum discharge observed during period, 331 second-feet May 14; minimum, 7 second-feet Apr. 1-7.

1917, 1934-36: Maximum discharge observed during periods of record, that of May 14, 1936; minimum, that of 1934 and 1935.

Remarks.- Records good. Records for 1934 furnished by U. S. Bureau of Reclamation. Gage-height records for 1935 and 1936 collected in cooperation with U. S. Bureau of Reclamation.

Discharge, in second-feet, 1934-36

Day	1934					1935						
	May	June	July	Aug.		April	May	June	July	Aug.	Sept.	Oct.
1	23	13	7	4		8	52	e8	19	8	7	8
2	23	12	7	4		e	52	84	18	8	7	8
3	22	10	7	4		8	52	84	17	8	7	8
4	22	10	9	4		9	52	84	17	10	7	8
5	23	9	7			8	64	91	16	10	7	8
6	23	10	7	-		e	70	91	15	9	7	8
7	23	16	7	-		e	76	87	15	9	7	7
8	22	19	7	-		9	88	87	15	9	7	7
9	21	16	7	-		9	100	84	15	8	7	7
10	21	13	7	-		9	108	73	14	8	7	8
11	18	12	6	-		17	108	73	14	8	7	8
12	18	12	6	-		17	76	69	14	6	7	8
13	16	10	6	-		21	70	58	13	6	7	8
14	14	10	6	-		41	70	58	12	4	7	8
15	14	10	7	-		59	91	46	12	4	7	8
16	13	9	7	-		37	100	41	12	4	7	9
17	13	9	7	-		33	105	37	12	4	7	8
18	13	9	7	-		35	105	37	12	5	7	8
19	13	9	7	-		64	126	32	12	8	7	8
20	12	9	7	-		76	155	30	13	8	7	8
21	12	8	7	-		84	176	27	12	8	7	8
22	12	8	7	-		64	193	25	11	8	7	8
23	10	7	6	-		43	242	24	10	8	8	8
24	10	7	6	-		39	20e	23	9	9	10	8
25	9	7	5	-		35	197	21	8	8	9	8
26	9	7	5	-		38	165	21	7	8	9	8
27	9	7	5	-		50	132	20	6	8	9	8
28	8	e	5	-		46	10e	20	6	8	9	8
29	8	7	5	-		64	108	19	6	7	8	8
30	8	7	5	-		64	103	19	8	7	8	8
31	8	-	4	-		-	91		8	7	-	8

Discharge, in second-feet, of Burns Creek near Chokecherry, Idaho, 1934-36--continued

1936

Day						Apr.	May	June	July	Aug.	Sept.	Oct.
1						7	105	88	19	11	12	10
2						7	105	88	19	11	11	10
3						7	141	84	19	10	11	10
4						7	190	79	19	10	10	10
5						7	215	76	19	11	10	10
6						7	171	74	19	11	10	10
7						7	122	72	18	11	10	10
8						8	122	62	17	11	10	10
9						8	141	56	17	11	10	10
10						8	186	50	16	15	10	10
11						8	295	50	17	12	10	10
12						25	319	48	17	12	10	10
13						38	272	44	17	12	10	10
14						52	331	44	16	12	10	10
15						64	272	41	15	11	9	10
16						75	204	39	14	11	10	10
17						93	186	37	14	11	10	10
18						106	178	35	14	11	10	10
19						143	186	33	14	10	10	10
20						159	157	32	14	10	10	10
21						176	132	30	13	10	8	10
22						182	122	26	13	9	8	10
23						161	105	25	14	9	8	10
24						137	122	25	13	10	8	10
25						112	122	23	13	10	8	10
26						105	121	22	12	10	10	10
27						98	113	21	12	11	10	10
28						98	101	20	12	9	10	10
29						98	105	20	11	9	10	10
30						113	105	20	10	13	10	10
31						-	101		10	12	-	10

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
1934					
May	470	23	8	15.2	932
June	300	19	7	10.0	595
July	198	9	4	6.4	393
The period					1,920
1935					
April	1,011	84	8	33.7	2,010
May	3,443	242	52	111	6,830
June	1,553	91	19	51.8	3,080
July	378	19	6	12.2	750
August	230	10	4	7.4	456
September	224	10	7	7.5	444
October	246	9	7	7.9	488
The period					14,060
1936					
April	2,116	182	7	70.5	4,200
May	5,147	331	101	166	10,210
June	1,364	88	20	45.5	2,710
July	467	19	10	15.1	926
August	336	15	9	10.8	666
September	293	12	8	9.8	581
October	310	10	10	10	615
The period					19,910

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Henrys Lake near Lake, Idaho

Location.- Staff gage, lat. 44°36', long. 111°21', in SW¼ sec. 26, T. 15 N., R. 43 E., at dam 4 miles south of Lake post office.

Records available.- July 1923 to September 1936.

Remarks.- Owing to drawdown at gage, contents June 28 to Sept. 30 computed from inflow-outflow records. Henrys Lake Reservoir impounds water for supplemental irrigation of lands served by several canals diverting from Henrys Fork. It has a capacity of 80,000 acre-feet between elevations 6,458 and 6,473 feet, sea level datum. Gates in dam closed Oct. 1 to June 28. Gage-height record and capacity table furnished by North Fork Reservoir Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									-	25,015	12,192	9,604
2									-	24,735	11,754	9,348
3									-	24,461	11,312	9,092
4									-	24,185	10,878	8,836
5									-	23,852	10,519	8,707
6									-	23,503	10,418	8,699
7									-	23,154	10,384	8,693
8									-	22,805	10,376	8,687
9									-	22,440	10,374	8,681
10									-	22,075	10,372	8,675
11									-	21,714	10,372	8,669
12									-	21,353	10,372	8,663
13									-	20,988	10,372	8,657
14									-	20,627	10,372	8,651
15									-	20,262	10,372	8,645
16								19,329	-	19,897	10,372	8,639
17									-	19,532	10,372	8,633
18									-	19,171	10,372	8,627
19									25,498	18,810	10,372	8,621
20									-	18,445	10,372	8,615
21									-	18,080	10,372	8,609
22									-	17,711	10,372	8,603
23									-	17,342	10,372	8,597
24									-	16,737	10,372	8,591
25									-	16,076	10,372	8,585
26									-	15,412	10,372	8,579
27									25,700	14,817	10,372	8,573
28									25,700	14,246	10,372	8,567
29	2,460							21,530	25,557	13,683	10,372	8,561
30									25,287	13,112	10,116	8,555
31									-	12,630	9,860	-

Note.- Readings discontinued during winter and for other periods for which no records are given.

Henrys Fork near Lake, Idaho

Location.- Water-stage recorder, lat. 44°36', long. 111°21', in SW¼ sec. 26, T. 15 N., R. 43 E., a quarter of a mile below Henrys Lake Dam and 4 miles south of Lake.

Drainage area.- 104 square miles (including Dry Creek).

Records available.- May 1920 to September 1936. Prior to September 1922 at a site 3 miles downstream and below mouth of Dry Creek, whose flood waters have been diverted into Henrys Lake since 1923.

Extremes.- Maximum discharge during year, 363 second-feet July 23 (gage height, 3.11 feet); minimum, about 2 second-feet, leakage during winter.
1920-36: Maximum discharge, 907 second-feet June 13, 1926 (gage height, 5.40 feet); minimum, 1 second-foot on various days when reservoir gates were closed.

Remarks.- Records good. Discharge June 1-26 computed on basis of one discharge measurement and observers notes. Flow controlled by operation of Henrys Lake gates, which were closed Oct. 1 to June 27.

Discharge, 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	161	238	144
2									4	158	240	144
3									4	159	236	144
4									4	188	196	80
5									4	196	68	19
6									4	196	34	18
7									4	196	21	18
8									4	204	18	18
9									4	204	18	18
10									4	202	17	18
11									4	202	17	18
12									4	204	16	18
13									4	202	16	18
14									4	204	16	18
15								* 2	4	204	16	18
16									4	204	16	18
17									4	202	16	18
18									4	202	15	18
19									* 4	204	15	18
20									4	204	16	18
21									4	204	16	18
22									4	204	16	18
23									5	323	16	18
24									5	351	16	17
25									6	353	16	17
26									6	317	16	17
27									28	305	16	17
28									97	301	16	17
29	* 3								161	305	144	17
30									161	260	144	17
31									-	238	144	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June	557	161	4	18.6	1,100
July	7,057	353	158	226	14,000
August	1,805	240	15	58.2	3,580
September	974	144	17	32.5	1,930
The period					20,610

*Discharge measurement.

Henrys Fork near Island Park, Idaho

Location.- Water-stage recorder, lat. 44°25', long. 111°24', in SW¼ sec. 28, T. 13 N., R. 43 E., an eighth of a mile above mouth of Buffalo River, an eighth of a mile below Island Park dam, and 2 miles west of Island Park. Prior to Feb. 10, 1936, at site several hundred feet downstream.

Records available.- January 1933 to September 1936.

Extremes.- Maximum discharge during year, 1,490 second-feet May 1 (gage height, 5.89 feet); minimum, 168 second-feet Feb. 17 (gage height 3.19 feet).
1933-36: Maximum discharge, that of May 1, 1936; minimum, that of Feb. 17, 1936.

Remarks.- Records good except those for periods of no gage-height record, Dec. 1 to Feb. 9 and Aug. 30 to Sept. 23, which were estimated and are fair. Flow regulated by storage in Henrys Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	371	365				326	323	1,350	580	553	598	493
2	368	362				326	323	1,100	589	558	571	493
3	371	362				326	323	1,100	545	545	558	493
4	378	353				326	323	1,110	528	541	553	493
5	368	374			350	323	309	1,050	528	566	524	440
6	368	371				326	312	986	553	576	444	410
7	365	368				323	316	929	537	584	419	400
8	362	374				323	316	830	549	580	405	
9	359	374				320	316	809	566	584	397	
10	359	353			362	320	316	836	541	589	394	
11	356	368			351	320	320	890	516	589	394	
12	371	359			330	320	326	924	501	594	401	
13	374	362			292	320	330	935	493	589	397	
14	371	362			323	320	337	935	489	580	397	
15	403	365			330	326	340	941	474	576	405	
16	390	365			320	320	344	924	474	576	397	395
17	381	365		*383	261	323	362	852	470	575	397	
18	368	365			320	323	379	732	467	541	397	
19	378	365			337	323	430	750	463	537	397	
20	378	365			326	323	485	725	452	537	390	
21	374	362		*308	326	320	580	694	452	537	390	
22	371	359			326	320	704	660	448	532	390	
23	368	359			326	312	825	640	444	532	387	
24	368	359			295	323	997	617	437	607	383	390
25	371	356			312	323	1,150	607	437	655	383	390
26	368	359			326	323	1,270	603	441	660	383	394
27	362	365			326	323	1,250	598	437	645	383	394
28	371	365			326	323	1,340	594	459	622	383	394
29	374	365			326	323	1,150	576	512	631	383	394
30	362	362			-	323	1,140	562	549	650	493	390
31	359	-			-	323	-	553	-	617	493	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,487	403	356	371	22,780
November	10,908	374	353	364	21,640
December	11,160	-	-	360	22,140
Calendar year 1935	159,904	1,340	266	438	317,170
January	10,850	-	-	350	21,520
February	9,591	362	261	331	19,020
March	9,993	326	312	322	19,820
April	17,236	1,340	309	575	34,190
May	25,462	1,350	553	821	50,500
June	14,931	589	437	498	29,620
July	18,058	660	532	583	35,820
August	13,286	598	383	429	26,350
September	12,288	493	390	410	24,370
Water year 1935-36	165,250	1,350	261	452	327,770

*Discharge measurement.

Henrys Fork at Warm River, Idaho

Location.- Water-stage recorder, lat. 44°7', long. 111°20', in sec. 12, T. 9 N., R. 43 E., 1,000 feet above mouth of Warm River and half a mile from Warm River railroad station.

Drainage area.- 660 square miles.

Records available.- September 1910 to March 1915, April 1918 to September 1936.

Average discharge.- 22 years (1910-14, 1918-36), 1,010 second-feet.

Extremes.- Maximum discharge during year, 2,140 second-feet Apr. 26 (gage height, 6.00 feet); minimum, 540 second-feet Dec. 4 (gage height, 3.66 feet).
1910-15, 1918-36: Maximum discharge, 3,540 second-feet May 18, 1927 (gage height, 7.55 feet); minimum, 421 second-feet Dec. 16, 1931 (gage height, 3.45 feet).

Remarks.- Records good except those for November to March, which are fair. Gage read twice weekly Nov. 1 to Mar. 31 and discharge interpolated or estimated. Flow regulated by operation of gates at Henrys Lake, about 60 miles upstream. Some water diverted above station for irrigation of wild-hay meadows.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	684	690	660	701	718	680	607	2,020	1,060	861	957	831
2	667	695	620	690	718	675	607	1,900	1,110	868	918	831
3	672	690	580	680	718	670	607	1,780	1,040	861	893	843
4	667	690	540	680	718	672	607	1,840	1,000	843	880	843
5	672	685	560	680	718	666	607	1,820	976	855	880	849
6	672	680	580	680	690	662	607	1,710	970	880	824	759
7	672	680	600	678	670	664	607	1,570	983	874	741	747
8	667	680	650	678	662	666	618	1,420	1,000	886	724	735
9	662	650	670	680	665	668	628	1,340	1,040	893	706	735
10	667	640	690	700	670	670	634	1,350	1,010	899	718	729
11	667	602	747	765	670	672	645	1,410	950	912	712	712
12	684	680	700	712	670	676	667	1,480	918	924	782	724
13	712	706	650	700	680	680	672	1,500	899	905	782	724
14	678	706	602	700	690	684	678	1,490	886	886	747	724
15	735	706	590	695	718	660	701	1,490	868	905	729	724
16	741	706	580	680	700	640	718	1,440	861	912	729	724
17	689	706	570	675	700	628	747	1,350	849	905	724	718
18	684	706	560	672	695	628	782	1,250	831	893	729	729
19	678	706	580	672	695	628	874	1,200	824	874	718	724
20	678	706	620	672	685	628	976	1,150	818	868	724	724
21	678	706	667	672	685	628	1,130	1,120	806	868	729	735
22	678	701	670	672	683	628	1,340	1,080	800	868	712	729
23	662	712		672	683	628	1,560	1,040	794	874	718	724
24	667	701		672	685	628	1,630	1,020	788	893	701	724
25	667	702		672	685	628	1,810	1,000	782	976	701	729
26	667	703	670	672	690	628	2,060	990	770	990	706	729
27	667	704		672	695	628	1,930	990	764	990	706	729
28	662	706		672	692	628	1,970	1,000	759	964	701	724
29	678	695		672	689	628	1,900	996	776	950	701	735
30	640	684		680	-	628	1,900	970	843	983	701	729
31	684	-		690	-	628	-	964	-	983	788	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	20,998	741	640	677	41,650
November	20,724	712	602	691	41,110
December	19,716	747	540	636	39,110
Calendar year 1935	288,884	1,660	540	791	573,000
January	21,208	765	672	684	42,070
February	20,037	718	662	691	39,740
March	20,125	684	628	649	39,920
April	30,819	2,060	607	1,027	61,130
May	41,680	2,020	964	1,345	82,670
June	26,775	1,110	759	892	53,110
July	28,043	990	843	905	55,620
August	23,481	957	701	757	46,570
September	22,416	849	712	747	44,460
Water year 1935-36	296,022	2,060	540	809	587,200

Henrys Fork near Ashton, Idaho

Location.- Water-stage recorder, lat. 44°5', long. 111°30', in sec. 28, T. 9 N., R. 42 E., a quarter of a mile below power plant and 3 miles west of Ashton.

Drainage area.- 1,030 square miles.

Records available.- August 1902 to June 1909, April 1920 to September 1936.

Extremes.- Maximum discharge during year, 3,170 second-feet May 11 (gage height, 7.08 feet); minimum, 65 second-feet Oct. 16 (gage height, 4.59 feet); minimum daily discharge, 443 second-feet Oct. 16.

1902-9, 1920-36: Maximum discharge, 6,220 second-feet May 7, 1925; minimum, that of Oct. 16, 1935; minimum daily discharge, 440 second-feet Dec. 5, 1931.

Remarks.- Records good. Flow regulated by operation of gates at power dam above station and by release of stored water from Henrys Lake. No irrigation diversions above station except for wild-hay meadows on headwaters.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	949	838	814	886	949	1,000	622	3,170	1,670	1,200	1,280	1,110
2	949	826	826	767	910	975	936	2,920	1,760	1,310	1,250	1,070
3	949	826	778	755	923	962	898	2,780	1,580	1,320	1,190	1,070
4	936	862	814	936	790	936	898	2,980	1,510	1,290	1,120	1,070
5	936	838	850	898	886	936	802	2,890	1,460	1,280	1,120	1,070
6	936	886	910	874	923	923	862	2,720	1,400	1,250	1,120	1,050
7	936	962	975	622	862	910	850	2,350	1,450	1,230	1,080	1,010
8	923	962	910	802	654	898	838	2,300	1,430	1,200	1,000	1,000
9	778	1,040	910	962	778	910	814	2,120	1,510	1,220	975	1,000
10	755	802	874	962	988	826	838	2,180	1,430	1,190	988	1,000
11	755	850	886	1,040	1,050	850	886	2,370	1,320	1,220	1,000	988
12	755	949	923	874	1,030	862	962	2,470	1,290	1,230	1,050	988
13	755	936	975	936	898	826	1,030	2,520	1,280	1,200	1,110	1,030
14	767	874	826	862	826	814	1,050	2,540	1,250	1,160	1,070	1,010
15	755	826	721	988	923	874	1,110	2,540	1,220	1,160	1,030	1,010
16	443	975	710	988	936	886	1,110	2,370	1,220	1,160	1,000	1,010
17	580	923	522	850	886	898	1,250	2,180	1,190	1,160	1,000	1,040
18	664	936	732	767	838	898	1,320	2,000	1,180	1,160	988	1,040
19	721	910	767	838	988	850	1,430	1,960	1,150	1,160	962	1,040
20	755	898	850	898	988	850	1,550	1,890	1,130	1,160	975	1,040
21	755	910	850	910	949	874	1,760	1,810	1,130	1,180	975	1,040
22	767	850	802	923	949	874	2,060	1,700	1,120	1,180	962	1,010
23	767	923	850	949	962	802	2,410	1,620	1,090	1,190	962	1,040
24	755	910	874	874	975	886	2,650	1,580	1,120	1,190	975	1,040
25	874	898	962	862	826	850	2,870	1,560	1,090	1,220	975	1,000
26	898	838	949	732	826	874	3,100	1,560	1,080	1,280	962	1,000
27	898	898	1,030	721	962	850	2,800	1,510	1,090	1,320	975	988
28	886	898	975	910	988	862	2,890	1,560	1,070	1,290	1,000	988
29	886	910	862	826	962	862	2,920	1,550	1,080	1,230	1,070	975
30	923	862	886	755	-	790	2,940	1,480	1,160	1,280	1,050	975
31	874	-	1,010	910	-	802	-	1,460	-	1,280	1,070	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	25,280	949	443	815	50,140
November	26,816	1,040	826	894	53,190
December	26,623	1,030	522	859	52,810
Calendar year 1935	387,984	2,450	443	1,063	769,600
January	26,877	1,040	622	867	53,310
February	26,425	1,050	654	911	52,410
March	27,210	1,000	790	878	53,970
April	46,456	3,100	622	1,549	92,140
May	66,640	3,170	1,460	2,150	132,200
June	38,460	1,760	1,070	1,282	76,280
July	37,900	1,320	1,160	1,223	75,170
August	32,284	1,280	962	1,041	64,030
September	30,702	1,110	975	1,023	60,900
Water year 1935-36	411,673	3,170	443	1,125	816,600

Diversions from Henrys Fork between Ashton and St. Anthony gaging stations, Idaho

Between Ashton and St. Anthony stations six canals divert water from Henrys Fork for irrigation. Records available for part of each irrigation season 1919-36.

Records of discharge of canals computed from daily staff-gage readings and combined to show total flow. Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								916	1,150	940	658	539
2								924	1,020	865	653	512
3								950	966	890	608	486
4								973	968	874	572	391
5								1,010	982	858	593	404
6								996	964	861	617	402
7								983	944	864	628	412
8								967	926	820	569	410
9								974	910	816	595	409
10								1,000	893	745	621	395
11								861	904	752	571	387
12								928	958	747	567	401
13								1,130	1,030	742	548	469
14								1,190	1,090	721	507	452
15								1,240	1,100	701	504	436
16								1,280	1,120	704	495	401
17								1,230	1,130	818	493	403
18								1,230	1,170	824	490	384
19								1,270	1,190	832	472	368
20								1,310	1,220	854	484	352
21								1,290	1,200	878	483	311
22								1,310	1,190	850	485	303
23								1,300	1,140	865	478	429
24								1,310	1,110	804	473	462
25								1,340	897	743	498	463
26								1,340	886	755	525	441
27								1,330	882	796	539	442
28								1,330	877	786	548	445
29								1,320	873	682	544	447
30								1,310	892	695	547	447
31								1,270	-	717	547	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	35,812	1,340	861	1,155	71,030
June	30,582	1,220	873	1,019	60,660
July	24,799	940	682	800	49,190
August	16,912	658	472	546	33,540
September	12,603	539	303	420	25,000
The period					239,400

Henrys Fork at St. Anthony, Idaho

Location.- Water-stage recorder, lat. 43°58', long. 111°41', in sec. 1, T. 7 N., R. 40 E., half a mile upstream from bridge on main street of St. Anthony.

Records available.- March 1919 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge observed during year, 5,160 second-feet May 4 (gage height, 5.40 feet); minimum daily discharge, 501 second-feet Oct. 17 (gage height, 2.84 feet).

1919-36: Maximum discharge observed, 9,030 second-feet May 8, 1925 (gage height, 6.70 feet); minimum daily discharge, 413 second-feet July 22, 1931 (gage height, 2.78 feet).

Remarks.- Records good. Discharge interpolated July 2. Diversions for irrigation above and below station. Flow regulated by operation of gates at Utah Power & Light Co.'s dam 17 miles upstream and at Henrys Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	962							4,740	3,970	711	738	711
2	943							4,350	4,480	698	747	702
3	924							4,250	3,470	684	738	720
4	914							4,870	2,900	630	729	774
5	896							4,870	2,640	622	729	765
6	896							4,200	2,460	574	657	756
7	896							3,400	2,360	543	606	711
8	867							3,080	2,360	590	536	675
9	801							2,860	2,360	622	543	657
10	765							3,060	2,110	606	543	666
11	729							3,740	1,900	639	590	622
12	738							4,220	1,900	666	648	622
13	783							4,410	1,940	648	738	639
14	774							4,510	1,920	622	702	598
15	829							4,670	1,750	614	702	606
16	684							4,430	1,620	622	666	622
17	501							3,740	1,380	606	657	666
18	720							3,180	1,260	515	657	666
19	765							3,020	1,100	515	675	666
20	848							3,130	914	515	657	666
21	838							2,990	858	550	648	693
22	838							2,460	820	614	630	657
23	829							2,380	675	657	606	574
24	820							2,400	566	711	630	550
25	-							2,480	574	711	606	536
26	-							2,550	657	666	566	536
27	-							2,810	622	684	558	550
28	-							2,990	614	675	536	606
29	-							3,060	657	657	606	606
30	-							3,020	657	693	630	639
31	-							3,130	-	693	648	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-24	19,560	962	501	815	38,800
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	109,000	4,870	2,380	3,516	216,200
June	51,534	4,480	566	1,718	102,200
July	19,553	711	515	631	38,780
August	19,922	747	536	643	39,510
September	19,457	774	536	649	38,590
Water year					

Diversions from Henrys Fork between St. Anthony and Rexburg gaging stations, Idaho

Between St. Anthony and Rexburg gaging stations four canals divert water from Henrys Fork for irrigation. Records available for part of each irrigation season 1919-36.

Records of discharge of canals computed from daily staff-gage readings and combined to show total flow. Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								814	1,130	766	702	485
2								822	1,100	778	690	469
3								834	957	792	693	454
4								861	939	741	692	448
5								863	897	691	692	442
6								864	890	655	688	444
7								837	861	619	658	446
8								845	793	604	639	451
9								857	794	685	604	455
10								934	782	697	572	453
11								954	802	709	597	453
12								952	865	723	619	473
13								968	923	737	620	492
14								1,000	916	709	619	468
15								1,010	839	676	587	469
16								1,020	828	669	557	454
17								1,020	783	663	553	439
18								1,030	818	602	548	425
19								1,070	848	560	551	413
20								1,100	842	582	555	411
21								1,110	805	599	557	408
22								1,140	906	658	559	394
23								1,160	665	714	566	383
24								1,170	882	755	571	372
25								1,230	589	796	559	355
26								1,260	622	755	547	328
27								1,240	649	714	565	330
28								1,250	694	722	521	334
29								1,250	690	709	509	338
30								1,240	725	706	496	338
31								1,240	-	715	502	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	31,945	1,260	814	1,030	63,360
June	24,843	1,130	589	828	49,280
July	21,501	796	560	694	42,650
August	18,388	702	496	593	36,470
September	12,624	492	328	421	25,040
The period					216,800

Henrys Fork near Rexburg, Idaho

Location.- Water-stage recorder, lat. 43°50', long. 111°54', in sec. 30, T. 6 N., R. 39 E., just below highway bridge 7 miles west of Rexburg and below all tributaries.

Drainage area.- 3,010 square miles.

Records available.- April 1909 to September 1936.

Extremes.- Maximum discharge during year, 5,700 second-feet May 17 (gage height, 8.63 feet); minimum, 413 second-feet July 27 (gage height, 2.27 feet).
1909-36: Maximum discharge, 9,490 second-feet June 29, 1927 (gage height, 9.90 feet); minimum, 183 second-feet Mar. 24-28, 1934 (gage height, 1.45 feet).

Remarks.- Records good except those estimated for period of ice effect, Nov. 26 to Mar. 15, which are fair. Flow regulated by operation of head gates of irrigation canals above station. No diversions from Henrys Fork 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	863	1,110					1,420	5,000	4,030	650	521	570
2	858	1,160					1,420	5,290	5,100	635	575	625
3	858	1,220					1,420	5,010	5,640	615	580	635
4	868	1,260					1,440	4,770	5,190	590	570	670
5	814	1,300					1,420	5,250	4,540	557	570	710
6	808	1,320					1,350	5,540	4,130	530	570	705
7	819	1,420					1,370	5,200	3,950	508	508	675
8	819	1,490				1,420	1,350	4,450	3,880	508	472	630
9	802	1,540					1,410	3,750	3,920	516	444	600
10	750	1,550					1,400	3,300	3,800	503	440	570
11	745	1,310					1,470	3,540	3,360	521	454	552
12	730	1,290					1,510	4,130	2,970	570	467	530
13	735	1,370					1,650	4,620	2,770	605	521	508
14	780	1,350					1,700	4,990	2,750	620	590	494
15	814	1,220					1,770	5,300	2,690	620	605	472
16	841	1,400				1,420	1,770	5,600	2,650	605	630	476
17	685	1,500				1,420	1,850	5,610	2,460	575	625	508
18	715	1,490				1,420	2,010	5,220	2,100	521	610	539
19	770	1,510				1,450	2,210	4,440	1,610	490	610	570
20	841	1,460				1,400	2,440	3,830	1,510	476	600	590
21	880	1,420				1,430	2,710	3,710	1,220	467	600	620
22	896	1,420				1,430	3,040	3,410	1,110	436	570	620
23	874	1,390				1,410	3,500	2,790	1,050	422	548	585
24	868	1,420				1,370	4,070	2,250	946	422	516	526
25	830	1,370				1,440	4,450	2,110	841	462	498	512
26	890	1,370				1,420	4,660	2,330	770	440	476	508
27	912	1,370				1,440	4,890	2,660	735	422	449	512
28	924	1,370				1,420	4,560	2,970	695	454	431	530
29	940	1,370				1,420	4,480	3,380	685	480	431	557
30	982	1,370				1,420	4,760	3,340	680	494	516	585
31	1,060	-				1,420	-	3,380	-	508	530	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	25,971	1,060	685	838	51,510
November	41,140	1,550	1,110	1,371	81,600
December	44,020	-	-	*1,420	87,310
Calendar year 1935	425,497	3,620	319	1,166	844,000
January	44,020	-	-	*1,420	87,310
February	41,180	-	-	*1,420	81,680
March	44,030	-	-	1,420	87,330
April	73,500	4,890	1,350	2,450	145,800
May	127,170	5,610	2,110	4,102	252,200
June	77,982	5,640	685	2,599	154,700
July	16,222	650	422	523	32,180
August	16,527	630	431	533	32,780
September	17,184	710	472	573	34,080
Water year 1935-36	568,946	5,640	422	1,554	1,128,000

*Estimated.

Diversions from Fall River above gaging station near Squirrel, Idaho

Above Squirrel gaging station, three canals divert water from Fall River for irrigation. Records available for part of each irrigation season 1919-36.

Records of discharge of each canal computed from daily staff-gage readings and combined to show total flow. Records good.

Discharge, 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	20	17	0	0
2								0	20	166	0	0
3								0	20	154	0	0
4								0	20	152	0	0
5								0	20	150	0	0
6								0	20	139	0	0
7								0	20	152	0	0
8								0	40	86	0	0
9								0	40	82	0	0
10								0	40	82	0	20
11								0	60	81	0	30
12								0	80	80	47	25
13								0	120	82	47	25
14								0	145	82	47	25
15								0	145	82	48	25
16								0	145	82	56	25
17								0	145	0	65	25
18								0	145	0	65	25
19								0	145	0	0	25
20								0	145	0	0	25
21								0	145	0	0	25
22								0	145	0	0	25
23								0	145	0	0	30
24								0	145	0	0	30
25								18	145	0	0	30
26								18	145	81	0	30
27								18	145	80	0	30
28								18	18	84	0	30
29								18	18	82	0	30
30								18	18	82	0	30
31								18	-	82	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	126	18	0	4.06	250
June	2,604	145	18	86.8	5,160
July	2,160	166	0	69.7	4,280
August	375	65	0	12.1	744
September	565	30	0	18.8	1,120
The period					11,550

Fall River near Squirrel, Idaho

Location.- Staff gage, lat. 44°4', long. 111°15', in sec. 34, T. 9 N., R. 44 E., 4 miles northeast of Squirrel.

Drainage area.- 380 square miles.

Records available.- January 1904 to June 1909, May 1918 to September 1936. August 1902 to December 1903 at Wilson's sawmill 3 miles upstream.

Average discharge.- 18 years (1918-36), 731 second-feet.

Extremes.- Maximum discharge observed during year, 4,040 second-feet June 2 (gage height, 4.96 feet); minimum probably occurred during period of ice effect.
1904-9, 1918-36: Maximum discharge observed, 6,440 second-feet June 27, 1927; minimum, 72 second-feet Feb. 9, 1930.

Remarks.- Records good except those estimated for period of ice effect, Jan. 1 to Mar. 5, which are fair. 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	463	486	456				352	2,200	4,040	870	702	566
2	456	486	456				364	2,200	3,300	702	702	558
3	449	470	456			365	352	2,140	2,620	684	684	574
4	442	442	456				364	2,680	2,500	666	684	566
5	442	428	456				364	2,560	2,440	648	666	566
6	442	486	456			364	364	1,990	2,210	675	666	550
7	456	478	428			364	364	1,660	2,210	702	657	550
8	456	502	456			376	364	1,560	2,070	702	648	550
9	456	486	456			388	364	1,580	1,880	702	639	542
10	486	486	456	*398		388	364	1,990	1,680	702	630	518
11	486	456	470			388	376	2,480	1,740	684	648	518
12	648	428	486			376	400	2,720	1,990	702	648	510
13	550	456	456			400	486	2,920	2,240	702	639	510
14	518	470	456			388	534	3,080	2,070	684	582	510
15	518	470	456			376	582	3,400	2,100	666	574	510
16	518	470	442			364	648	3,080	1,850	684	566	510
17	518	470	414			376	774	2,480	1,680	720	550	502
18	518	494	352			376	910	2,240	1,680	720	550	502
19	534	470	352			388	1,010	2,420	1,480	720	582	502
20	534	470	352			376	1,120	2,620	1,560	702	574	502
21	502	470	352			364	1,130	2,320	1,560	693	574	494
22	502	470	340			364	1,280	2,040	1,360	693	574	494
23	486	470	340			400	1,590	1,930	1,200	693	574	494
24	470	456	352			400	1,780	2,270	1,080	693	574	494
25	486	456	364			376	1,740	2,420	1,160	693	566	486
26	470	456	364			376	1,760	2,740	850	558	566	486
27	470	456	340			376	1,590	2,980	792	542	566	486
28	470	456	376			376	1,750	3,170	950	542	566	486
29	470	456	376			376	1,990	3,110	920	542	556	466
30	470	456	380			400	2,160	3,240	890	542	556	476
31	486	-	380			400	-	3,430	-	566	566	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15,172	648	442	489	30,090
November	14,006	502	428	467	27,780
December	12,732	486	340	411	25,250
Calendar year 1935	245,334	2,940	215	672	486,600
January	11,470	-	-	370	22,750
February	10,730	-	-	370	21,280
March	11,721	400	364	378	23,250
April	27,226	2,160	352	908	54,000
May	77,650	3,430	1,560	2,505	154,000
June	54,102	4,040	792	1,803	107,300
July	20,794	870	542	671	41,240
August	18,833	702	550	608	37,350
September	15,500	574	478	517	30,740
Water year 1935-36	289,936	4,040	-	792	575,000

*Discharge measurement.

Diversions from Fall River between Squirrel and Chester gaging stations, Idaho

Between Squirrel and Chester gaging stations nine canals divert water from Fall River for irrigation. Records available for part of each irrigation season 1919-36.

Records of discharge of each canal computed from daily staff-gage readings and combined to show total flow. Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								95	781	565	506	458
2								103	758	522	523	461
3								125	739	452	525	446
4								173	720	462	529	439
5								196	697	482	518	435
6								231	650	537	515	431
7								272	632	574	515	451
8								295	613	599	505	458
9								320	610	627	505	444
10								344	610	622	505	440
11								374	617	616	486	439
12								410	634	619	512	439
13								417	657	622	508	449
14								425	699	613	501	468
15								433	729	601	473	453
16								445	759	600	477	449
17								467	788	600	452	448
18								484	809	617	441	443
19								505	829	634	449	442
20								521	840	587	458	439
21								537	852	582	466	430
22								559	880	544	473	427
23								573	881	521	471	424
24								611	678	521	469	422
25								630	665	540	467	432
26								676	580	526	461	441
27								728	590	510	456	424
28								783	603	530	453	375
29								850	614	508	452	331
30								826	573	555	448	331
31								803	-	552	448	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	14,211	850	95	458	28,190
June	21,087	881	573	703	41,830
July	17,440	634	452	563	34,590
August	14,967	529	441	483	29,690
September	12,969	468	331	432	25,720
The period					160,000

Fall River near Chester, Idaho

Location.- Water-stage recorder, lat. 44°1', long. 111°34', in sec. 13, T. 8 N., R. 41 E., half a mile above mouth and 2 miles north of Chester.

Records available.- April 1920 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge observed during year, 3,760 second-feet June 2 (gage height, 5.00 feet); minimum, 54 second-feet Sept. 24 (gage height, 1.18 feet).
1920-36: Maximum discharge observed, 6,380 second-feet June 27, 1927 (gage height, 6.60 feet); minimum, 9 second-feet Aug. 7, 1923 (gage height, 1.01 feet).

Remarks.- Records excellent. Discharge interpolated Aug. 27, 31, Sept. 6, 10, 14, 16, 17, 20-22. Station below all irrigation diversions from Fall 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	410							2,460	3,340	404	140	128
2	388							2,270	3,390	334	144	134
3	355							2,340	2,380	249	137	137
4	339							2,860	2,020	245	154	140
5	324							2,970	2,070	203	147	131
6	339							2,470	1,940	154	140	120
7	334							1,920	1,850	105	137	108
8	334							1,650	1,860	125	134	113
9	350							1,620	1,720	131	131	94
10	329							1,920	1,480	122	134	81
11	283							2,310	1,440	154	140	68
12	278							2,750	1,550	169	144	62
13	388							2,970	1,720	151	169	72
14	318							3,130	1,720	131	134	74
15	324							3,410	1,600	116	131	75
16	324							3,100	1,450	110	131	74
17	283							2,530	1,210	131	125	74
18	263							2,180	1,160	137	131	73
19	308							2,220	1,020	131	158	66
20	350							2,470	806	140	144	63
21	339							2,240	814	188	131	60
22	329							1,870	798	232	125	58
23	324							1,730	586	249	122	55
24	329							1,800	432	254	119	54
25	-							2,000	410	196	113	56
26	-							2,300	382	131	113	144
27	-							2,480	241	122	110	144
28	-							2,780	273	110	108	144
29	-							2,680	388	87	110	158
30	-							2,630	376	84	108	188
31	-							2,830	-	96	118	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-24	7,942	410	263	331	15,750
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	74,890	3,410	1,620	2,416	148,500
June	40,426	3,390	241	1,348	80,180
July	5,191	404	84	167	10,300
August	4,082	169	108	132	8,100
September	2,948	188	54	98.3	5,850
Water year					

Teton River near St. Anthony, Idaho

Location.- Water-stage recorder, lat. 43°56', long. 111°37', in sec. 15, T. 7 N., R. 41 E., half a mile above railroad bridge and 4 miles southeast of St. Anthony.

Drainage area.- 920 square miles.

Records available.- April 1903 to June 1909, April 1920 to September 1936.

Extremes.- Maximum discharge during year, 3,990 second-feet June 14 (gage height, 6.78 feet); minimum, 262 second-feet Mar. 15 (gage height, 1.76 feet).
1903-9, 1920-36: Maximum discharge, 7,820 second-feet June 5, 1909 (gage height, 6.90 feet, former site and datum); minimum, 88 second-feet Mar. 12, 1906 (gage height, 1.00, foot, former site and datum).

Remarks.- Records excellent except those estimated for periods of ice effect, Dec. 2-9, Dec. 15 to Mar. 3, which are fair. Flow affected by diversions in Teton Basin 20 miles above station and by Fall River water discharged at times since 1931 into Teton River through Enterprise Canal.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	412	382	349			340	312	1,450	3,360	921	640	534
2	425	403				340	336	1,280	3,490	885	669	539
3	416	403				340	320	1,260	2,980	867	725	548
4	416	399				349	336	1,580	2,430	849	700	552
5	412	399		345		345	320	2,050	2,450	837	635	557
			340									
6	412	395				341	341	2,280	2,400	831	603	552
7	408	408				336	349	1,850	2,220	831	598	539
8	399	403				345	370	1,480	2,190	825	584	530
9	395	425		351		370	391	1,340	2,070	804	570	526
10	395	403	332			378	399	1,520	1,800	788	570	517
11	391	433	332			357	442	1,970	1,660	788	570	508
12	399	416	332			365	521	2,460	1,740	820	598	504
13	403	460	332			361	612	2,930	1,960	843	603	495
14	408	361	312		335	328	694	3,330	2,030	825	593	490
15	416	412				312	849	3,770	2,160	783	584	490
16	429	412				353	1,050	3,840	2,180	756	575	490
17	442	391				332	1,270	3,400	1,940	756	580	490
18	442	399				341	1,510	2,760	1,860	762	575	495
19	433	399				336	1,700	2,590	1,760	730	580	495
20	420	395		340		341	1,720	2,880	1,590	705	575	490
21	412	391				357	1,790	2,800	1,480	705	570	490
22	412	370	330			361	1,890	2,360	1,380	689	562	486
23	416	391				349	1,910	2,080	1,320	684	552	477
24	416	386				349	1,830	2,130	1,230	694	539	473
25	420	353				349	1,550	2,430	1,190	700	534	473
26	429	374				349	1,370	2,640	1,140	684	534	490
27	433	386			331	336	1,220	2,860	1,110	659	530	490
28	433	370			335	280	1,120	3,030	1,050	635	530	490
29	429	345			335	300	1,140	2,950	1,010	626	526	504
30	425	320			-	328	1,280	3,000	945	621	521	486
31	403	-			-	341	-	3,110	-	635	526	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,901	442	391	416	25,590
November	11,784	460	320	393	23,370
December	10,319	-	-	333	20,470
Calendar year 1935	213,092	2,410	-	584	422,700
January	10,591	-	-	342	21,010
February	9,711	-	-	335	19,260
March	10,609	378	280	342	21,040
April	28,942	1,910	312	965	57,400
May	75,410	3,840	1,260	2,433	149,600
June	56,125	3,490	945	1,871	111,300
July	23,538	921	621	759	46,690
August	18,051	725	521	582	35,800
September	15,200	557	473	507	30,150
Water year 1935-36	283,181	3,840	-	774	561,700

Diversions from Teton River between St. Anthony gaging station and mouth, Idaho

Between St. Anthony gaging station and mouth of stream 15 canals divert water from Teton River for irrigation. Records available for part of each irrigation season 1919-36.

Records of discharge of each canal computed from daily staff-gage readings and combined to show total flow. Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								320	1,130	946	615	544
2								320	1,090	926	704	549
3								337	1,030	919	796	558
4								365	976	910	731	553
5								523	884	876	693	565
6								529	904	849	649	561
7								572	886	836	614	564
8								476	856	845	598	556
9								485	794	813	602	557
10								551	759	798	611	542
11								604	735	822	608	532
12								664	796	874	645	506
13								764	838	912	643	504
14								856	951	955	648	485
15								938	1,050	879	652	493
16								981	1,070	807	639	468
17								1,020	1,080	780	628	454
18								1,060	1,120	785	634	463
19								1,100	1,120	761	636	463
20								1,160	1,140	740	594	466
21								1,200	1,150	699	578	452
22								1,240	1,160	625	575	437
23								1,250	1,180	606	568	446
24								1,280	1,180	627	550	452
25								1,300	1,170	638	545	458
26								1,310	1,130	653	539	452
27								1,320	1,090	634	530	447
28								1,330	1,060	615	533	442
29								1,250	1,020	613	536	449
30								1,270	981	600	528	443
31								1,250	-	599	522	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	27,645	1,330	320	892	54,830
June	30,330	1,180	735	1,011	60,160
July	23,942	955	599	772	47,490
August	18,944	796	522	611	37,570
September	14,861	565	437	495	29,480
The period					229,500

Blackfoot River near Blackfoot, Idaho

Location.- Water-stage recorder, lat. 43°8', long. 112°27', in sec. 27, T. 3 S., R. 34 E., 2 miles above mouth and 8 miles southwest of Blackfoot.

Records available.- July 1913 to September 1936.

Extremes.- Maximum discharge during year, 611 second-feet Apr. 25 (gage height, 8.18 feet); no flow on many days.
1913-36: Maximum discharge, 868 second-feet May 21, 1921; no flow on many days.

Remarks.- Records good except those estimated for periods of ice effect, Nov. 4-18, Nov. 27 to Feb. 27, which are poor. Discharge interpolated Mar. 1, 8, 11, 15, Sept. 17, 18, 29, 30. Flow regulated by storage at Blackfoot Dam, by diversions for irrigation, and by waste, especially during winter, from several Snake River canals that discharge into Blackfoot River above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	117				88	142	373	165	37	20	18
2	0	179		136		88	88	377	348	11	120	17
3	0	227				88	37	390	215	6	146	36
4	0			136		80	54	362	165	8	221	27
5	0					62	61	299	276	10	187	34
6	3	200				62	54	318	369	9	219	23
7	1				33	57	57	356	486	16	236	11
8	2					65	60	276	522	27	212	8
9	1					73	65	105	550	26	208	7
10	2					80	66	27	536	14	49	14
11	12					71	80	4	486	19	7	19
12	32			136		62	77	0	392	81	2	14
13	27					62	88	0	344	132	9	12
14	31					62	80	0	325	160	38	17
15	35	170			33	58	80	6	251	114	70	28
16	87					53	94	24	99	87	46	33
17	225					53	108	34	61	47	30	47
18	259					53	162	57	34	36	25	61
19	263	165			33	53	158	48	22	25	8	75
20	244	162				54	163	26	10	31	4	66
21	242	160				54	268	39	9	16	2	33
22	263	148			80	54	424	124	9	10	2	24
23	276	169			200	54	524	215	16	6	2	16
24	190	165			175	51	556	183	92	6	2	10
25	110	158			100	54	598	183	178	19	4	12
26	112	140		40	100	81	582	54	169	42	2	28
27	99				100	124	550	6	142	20	2	91
28	96				120	94	474	2	71	6	3	116
29	96	140			88	106	415	37	40	5	11	100
30	99				-	117	352	78	94	5	9	80
31	105	-				118	-	102	-	5	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,912	276	0	93.9	5,780
November	5,110	-	-	170	10,140
December	4,340	-	-	*140	8,610
Calendar year 1935	23,468	318	0	64.3	46,550
January	3,160	-	-	102	6,270
February	1,656	200	-	57.1	3,280
March	2,231	124	51	72.0	4,430
April	6,517	598	37	217	12,930
May	4,105	390	0	132	8,140
June	6,476	550	9	216	12,840
July	1,036	160	5	33.4	2,050
August	1,906	236	2	61.5	3,780
September	1,077	116	7	35.9	2,140
Water year 1935-36	40,526	598	0	111	80,390

*Estimated.

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Mud Lake near Terreton, Idaho

Location.- Water-stage recorder, lat. 43°53', long. 112°24', in SW¼ sec. 1, T. 6 N., R. 34 E., about 2 miles north of Owsley Canal Co. pump house, 2½ miles northeast of Terreton, and 14 miles southwest of Hamer. Staff gage at First Owsley Canal Co. pumping plant used occasionally. Zero of each gage is 4,775.33 feet above mean sea level.

Records available.- April 1921 to September 1936.

Extremes.- Maximum contents during year, 24,300 acre-feet May 4 (gage height, 5.59 feet); minimum (interpolated), 520 acre-feet Sept. 30.
1921-36: Maximum contents observed, 61,660 acre-feet May 5, 1923 (gage height, 9.20 feet); minimum, that of Sept. 30, 1936.

Remarks.- Records good. High winds occasionally disturb the recording of mean lake stages. Water diverted from tributaries and from the lake by pumping and gravity during irrigation season. Camas Creek diversion canal reported operative July 27 to Sept. 30. Gage-height record furnished by water commissioner for Mud Lake and Owsley Canal Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,060	2,580	4,830	8,560	*13,000	16,300	19,100	23,800	14,400	4,710	2,320	1,200
2	2,090	2,740	4,920	8,720	*13,000	*16,400	19,100	24,000	14,000	4,430	2,340	1,160
3	2,100	2,790	5,030	8,890	*13,100	*16,500	19,100	24,200	13,700	4,130	2,210	1,160
4	2,100	2,840	5,140	9,020	13,200	*16,600	19,100	24,300	13,400	3,890	2,200	1,140
5	2,150	2,870	5,230	9,150	13,400	*16,600	19,100	23,900	13,000	3,820	2,100	1,010
6	2,150	2,940	5,320	9,320	13,600	*16,700	19,100	23,900	12,700	3,700	2,030	1,060
7	2,120	2,940	5,410	9,490	13,800	*16,800	19,500	24,100	12,200	3,520	1,900	1,060
8	2,100	2,980	5,460	9,660	*14,000	16,900	20,200	24,100	11,900	3,460	1,960	1,050
9	2,160	3,010	5,660	*9,820	14,200	17,100	20,300	24,100	11,600	3,300	1,910	1,060
10	2,030	3,040	5,660	*9,970	14,200	*17,400	20,400	24,100	11,300	3,280	1,900	1,020
11	2,040	3,090	5,820	*10,100	14,300	*17,700	20,600	24,100	11,000	3,230	1,860	*1,000
12	1,820	3,130	*5,970	*10,300	14,400	18,000	20,600	23,900	10,700	3,180	1,910	*970
13	2,090	3,200	6,120	*10,400	14,500	*17,600	20,700	23,700	10,400	3,090	1,900	*950
14	2,030	3,280	*6,250	10,600	14,600	17,300	20,800	23,200	10,100	2,960	1,840	*920
15	2,150	3,370	6,380	10,700	14,700	*17,400	20,900	22,400	9,740	2,890	1,780	*900
16	2,300	3,450	6,510	11,000	14,800	*17,600	21,000	22,000	9,420	2,860	1,760	*870
17	2,340	3,550	*6,630	11,000	14,900	*17,700	21,100	21,800	9,150	2,770	1,640	*850
18	2,340	3,670	6,750	11,200	15,000	*17,800	21,100	21,200	8,560	2,740	1,330	*820
19	2,290	3,740	6,880	11,200	15,100	*17,900	21,200	20,600	8,360	2,720	1,660	*800
20	2,350	3,820	6,990	*11,300	15,200	*18,100	21,300	20,000	7,950	2,720	1,540	*770
21	2,340	3,910	*7,090	*11,400	15,400	18,200	21,400	19,600	7,650	2,640	1,500	*750
22	2,430	3,990	7,190	*11,600	15,500	18,400	21,500	19,200	7,300	2,580	1,410	*720
23	2,430	4,090	7,300	*11,700	15,600	18,500	21,700	18,700	6,960	2,530	1,330	*700
24	2,430	4,150	*7,430	11,800	15,700	18,500	21,900	18,100	6,720	2,590	1,010	*670
25	2,450	4,250	*7,570	*12,000	15,700	18,600	22,100	17,600	6,490	2,420	1,290	*650
26	2,450	4,350	*7,700	*12,100	15,900	18,800	22,400	17,100	6,280	2,540	1,330	*620
27	2,460	4,450	*7,830	*12,300	16,000	18,900	22,500	16,500	5,900	2,480	1,340	*600
28	2,350	4,540	*7,960	*12,500	16,100	18,900	22,800	16,000	5,320	2,450	1,280	*570
29	2,260	4,620	*8,100	*12,600	16,200	19,000	23,100	15,600	5,280	2,530	1,240	*550
30	2,530	4,750	8,230	12,800	-	19,000	23,400	15,000	5,010	2,370	1,190	*520
31	2,590	-	8,390	*12,900	-	19,100	-	14,500	-	2,340	1,160	-

*Interpolated.

Camas Creek at Camas, Idaho

Location.- Water-stage recorder, lat. 44°0', long. 112°13', in E½SE¼ sec. 21, T. 8 N., R. 36 E., 350 feet above Oregon Short Line Railroad bridge at Camas and half a mile above mouth of Beaver Creek. Prior to June 19, 1936 datum 0.35 foot higher.

Records available.- April 1925 to September 1936.

Average discharge.- 10 years (1926-36), 13.0 second-feet.

Extremes.- Maximum discharge during water year 1934-35, 182 second-feet Apr. 23 (gage height, 1.33 feet); no flow most of year.

Maximum discharge during water year 1935-36, 446 second-feet Apr. 24 (gage height, 2.27 feet); no flow most of year.

1925-36: Maximum discharge, that of Apr. 24, 1936; no flow June 1-7, 1926, and many periods during 1930-36.

Remarks.- Records good. Discharge interpolated May 28, 1935, and May 21, 22, 1936. Diversions for irrigation and stock water above station. Water commissioner for Mud Lake furnished five discharge measurements during 1935 and one during 1936 and numerous gage-height observations.

Rating table, water years 1934-36 (gage height, in feet, and discharge, in second-feet)

Apr. 23, 1935 to June 18, 1936

-0.3	0	1.0	105
-.2	.5	1.2	150
0	2.6	1.4	199
.2	7.8	1.6	252
.4	17.6	1.8	308
.6	35.0	2.0	366
.8	65		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	38	99	9		
2							0	86	132	14		
3							0	86	127	19		
4							0	69	103	18		
5							0	51	92	14		
6							0	55	90	10		
7							0	55	86	7		
8							0	50	88	3		
9							0	43	86	0		
10							0	33	84	1		
11							0	36	84	4		
12							0	53	82	4		
13							0	53	76	3		
14							0	62	71	2		
15							0	60	63	1		
16							0	48	69	1		
17							0	42	114	0		
18							5	53	73	0		
19							13	97	42	0		
20							40	107	28	0		
21							77	105	18	0		
22							139	94	13	0		
23							155	97	10	0		
24							136	107	9	0		
25							76	120	7	0		
26							67	120	5	0		
27							80	118	4	0		
28							109	108	3	0		
29							103	97	4	0		
30							78	94	6	0		
31							-	90	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	291.6	33	0	0.80	579
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	1,078	155	0	35.9	2,140
May	2,377	120	33	76.7	4,710
June	1,768	132	3	58.9	3,510
July	110	19	0	3.5	218
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	5,333	155	0	14.6	10,580

Note.- These records supersede those published in Water-Supply Paper 793.

Discharge, in second-feet, of Camas Creek at Camas, Idaho, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	125	9			
2							0	112	13			
3							0	112	26			
4							0	82	32			
5							0	71	34			
6							0	80	34			
7							0	107	20			
8							0	112	15			
9							0	88	15			
10							0	58	14			
11							0	42	12			
12							0	34	10			
13							2	33	8			
14							2	33	5			
15							3	32	2			
16							2	30	2			
17							2	34	2			
18							45	32	2			
19							51	27	1			
20							120	19	1			
21							215	15	1			
22							320	11	0			
23							322	7	0			
24							360	9	0			
25							325	7	0			
26							286	5	0			
27							215	8	0			
28							169	6	0			
29							141	4	0			
30							155	5	0			
31							-	7	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	5,333	155	0	14.6	10,580
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	2,735	360	0	91.2	5,420
May	1,347	125	4	43.5	2,670
June	258	34	0	8.6	512
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	4,340	360	0	11.9	8,600

Beaver Creek at Dubois, Idaho

Location.- Water-stage recorder, lat. 44°11', long. 112°14', in NW¼ sec. 21, T. 10 N., R. 36 E., half a mile north of Dubois.

Drainage area.- 220 square miles.

Records available.- April 1921 to September 1936.

Discharge.- Maximum discharge during year, 64 second-feet Apr. 17 (gage height, 1.47 feet); no flow Oct. 1 to Apr. 13, Apr. 27, 28, May 3-6, and May 8 to Sept. 30.

1921-36: Maximum discharge, 858 second-feet Apr. 7, 1930; maximum gage height, about 6.5 feet Mar. 16, 1926; no flow for long periods.

Remarks.- Records good. Diversions for irrigation above station. Gage-height record and two discharge measurements furnished by water commissioner for Mud Lake.

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

0.1	0	0.9	13.5
.2	0.5	1.0	18
.3	1.0	1.1	24
.4	2.0	1.2	32
.5	3.0	1.3	42
.6	4.5	1.4	54
.7	7.0	1.5	68
.8	10.0		

Discharge, in second-feet, of Beaver Creek at Dubois, Idaho, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	3				
2							0	5				
3							0	0				
4							0	0				
5							0	0				
6							0	0				
7							0	2				
8							0	0				
9							0	0				
10							0	0				
11							0	0				
12							0	0				
13							0	0				
14							2	0				
15							19	0				
16							38	0				
17							48	0				
18							49	0				
19							43	0				
20							32	0				
21							23	0				
22							14	0				
23							10	0				
24							12	0				
25							6	0				
26							2	0				
27							0	0				
28							0	0				
29							1	0				
30							1	0				
31							-	-				

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	1,495	79	0	4.1	2,965
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	300	49	0	10.0	595
May	10	5	0	.3	20
June	0	0	0	0	0
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1935-36	310	49	0	0.8	615

Beaver Creek at Camas, Idaho

Location.- Staff gage, lat. 44°1', long. 112°14', in NE¼ sec. 21, T. 8 N., R. 36 E., a quarter of a mile northwest of Oregon Short Line Railroad station at Camas and three-eighths of a mile above confluence with Camas Creek.

Records available.- April 1921 to September 1936.

Extremes.- 1921-36: Maximum discharge, 163 second-feet Apr. 7, 1930. Flow past station is generally limited to a short period during the spring of each year.

Remarks.- No flow reached the station during the year ending Sept. 30, 1936. Flow is affected by irrigation diversions above Dubois, about 14 miles above gage, and by heavy channel losses below Dubois.

Little Lost River near Howe, Idaho

Location.- Staff gage, lat. 43°53', long. 113°6', in sec. 3, T. 6 N., R. 28 E., a quarter of a mile above diversion dam of Blaine County Investment Co., 6 miles northwest of Berenice, and 7 miles northwest of Howe.

Records available.- April 1921 to September 1936 (no records during winters).

Extremes.- Maximum discharge during year, 450 second-feet Aug. 11, during cloudburst (gage height, 3.1 feet, from high-water mark); minimum discharge observed, 17 second-feet Mar. 28, 29 (gage height, 0.05 foot).

1921-36: Maximum discharge, that of Aug. 11, 1936: minimum, 13 second-feet Apr. 15, 20, 1923 (gage height, -0.12 foot).

Remarks.- Records good except that for Aug. 11, which is fair. No records Nov. 3 to Mar. 18. Discharge of Aug. 11 computed by probable extension of rating curves and determination of flood duration by comparison with records of nearby stations. Numerous irrigation diversions above and below station. Water is stored in small reservoir of Blaine County Investment Co. on Dry Creek, about 40 miles upstream, and during irrigation season water is released and carried through Corral and Wet Creeks to Little Lost River and diverted into the company's main canal a quarter of a mile below station. Gage-height record furnished by water master for Little Lost River.

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

Mar. 19 to Aug. 11

0	14.5	.6	64.5
.1	19.5	.7	78.0
.2	25.5	.8	92.5
.3	33.0	.9	107.5
.4	42.0	1.0	123
.5	52.5		

Aug. 11 to Sept. 30

0.4	25.0
.5	31.5
.6	39.5
.7	48.5
.8	58.5
.9	69.5

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	44	28				-	19	96	90	62	32	32
2	45	33				-	20	90	98	65	32	31
3	46	-				-	20	96	94	73	34	33
4	44	-				-	22	91	81	73	38	35
5	45	-				-	24	102	77	73	38	36
6	45	-				-	20	109	78	71	36	36
7	45	-				-	21	109	85	70	39	40
8	45	-				-	18	102	100	60	37	40
9	45	-				-	18	92	97	62	37	38
10	40	-				-	18	90	85	52	37	39
11	40	-				-	18	94	78	55	90	40
12	40	-				-	28	91	73	55	56	40
13	43	-				-	35	97	70	48	56	38
14	44	-				-	38	103	67	44	65	41
15	50	-				-	40	103	74	49	50	46
16	50	-				-	46	112	77	45	50	46
17	47	-				-	52	109	69	44	45	46
18	50	-				-	56	109	66	38	44	43
19	50	-				18	55	102	64	38	43	43
20	48	-				18	70	103	66	38	36	40
21	50	-				19	75	106	61	32	35	40
22	50	-				18	74	100	60	32	35	40
23	50	-				20	91	97	61	33	35	38
24	40	-				18	92	90	60	35	33	37
25	54	-				18	90	87	60	37	32	37
26	48	-				20	85	88	61	31	32	40
27	48	-				18	85	77	57	31	32	43
28	50	-				17	79	74	58	29	32	43
29	50	-				17	75	71	61	31	32	41
30	33	-				24	77	64	61	31	30	41
31	31	-				18	-	78	-	31	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,410	50	31	45.5	2,800
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 19-31	243	24	17	18.7	482
April	1,461	92	18	48.7	2,900
May	2,932	112	64	94.6	5,820
June	2,189	100	57	73.0	4,340
July	1,466	73	29	47.3	2,910
August	1,253	90	30	40.4	2,490
September	1,183	46	31	39.4	2,350
Water year					

Blaine County Investment Co.'s canal near Howe, Idaho

Location.- Staff gage, lat. 43°53', long. 113°5', in NW¼NW¼ sec. 11, T. 6 N., R. 28 E., 665 feet below head gates and 7 miles northwest of Howe.

Records available.- April 1924 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge observed during year, 29 second-feet July 2 (gage height, 2.32 feet); practically no flow during winter except leakage through head gates, and no flow reported July 24 to Sept. 30.

1924-36: Maximum discharge observed, 87 second-feet May 24, 25, 1928; practically no flow during nonirrigation season and no flow reported June 26 to Sept. 1, Sept. 15, 16, 1934, and July 24 to Sept. 30, 1936.

Remarks.- Records good. No records Nov. 3 to Mar. 31. Cippoletti weir, installed below gage May 4, 1933, was effective except Oct. 1 to Nov. 2. Canal diverts water from Little Lost River in sec. 2, T. 6 N., R. 28 E., for irrigation on lands in project of the Blaine County Investment Co. Gage-height record and three discharge measurements furnished by water master for Little Lost 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	9.5	4.5					0	3.4	15	17		
2	9.5	4.5					0	8.0	19	24		
3	9.5	-					0	8.0	18	26		
4	9.3	-					0	8.0	8.4	26		
5	9.3	-					0	16	8.4	23		
6	9.3	-					0	23	8.4	23		
7	9.3	-					0	23	3.4	22		
8	9.3	-					0	21	20	11		
9	9.3	-					0	9.5	20	11		
10	4.3	-					0	9.5	20	8.4		
11	4.3	-					0	13	14	8.4		
12	4.3	-					0	13	14	7.3		
13	4.5	-					0	15	6.3	7.3		
14	4.5	-					0	20	5.3	7.3		
15	4.5	-					0	22	3.5	7.0		
16	4.5	-					0	28	14	7.0		
17	4.5	-					0	28	14	7.0		
18	4.5	-					0	26	14	4.9		
19	4.5	-					0	21	14	4.9		
20	4.5	-					0	22	14	4.0		
21	4.5	-					0	21	15	4.9		
22	4.5	-					0	20	15	2.5		
23	4.5	-					3.7	20	15	6.3		
24	4.5	-					23	12	15	0		
25	4.5	-					25	13	12	0		
26	4.5	-					19	16	12	0		
27	4.5	-					14	17	12	0		
28	4.5	-					14	11	12	0		
29	4.5	-					8.4	11	14	0		
30	4.5	-					8.4	9.1	13	0		
31	4.5	-					-	12	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	182.7	9.5	4.3	5.89	362
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	115.5	25	0	3.85	229
May	506.5	28	8.0	16.3	1,000
June	402.7	20	5.3	13.4	799
July	271.1	26	0	8.75	540
August	0	0	0	0	0
September	0	0	0	0	0
Water year					

Big Lost River at Howell ranch, near Chilly, Idaho

Location.- Water-stage recorder, lat. 44°1', long. 114°0', in sec. 30, T. 8 N., R. 21 E., at Howell ranch, 9 miles southwest of Chilly and 21 miles northwest of Mackay.

Records available.- April 1904 to August 1906, July 1907 to November 1914, May 1920 to September 1936 (no records during winters).

Extremes.- Maximum discharge during year, 1,230 second-feet May 15 (gage height, 3.22 feet); minimum discharge observed, 53 second-feet Nov. 4 (gage height, 0.74 foot). A lesser discharge may have occurred during winter.

1904-14, 1920-36: Maximum discharge, 3,500 second-feet June 12, 1921 (gage height, 5.94 feet); minimum, 35 second-feet Apr. 2, 1909.

Remarks.- Records good except those for Nov. 5-30 and Apr. 1-10, which are fair. Discharge Nov. 5, 6, 11-30, Apr. 1-10 computed on basis of weather records and discharge measurement of Nov. 26. No regulation. Several small diversions above, and Hammerly Ditch (capacity, about 20 second-feet) diverts a quarter of a mile below station. Gage-height record furnished by water commissioner for Big Lost River.

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

Oct. 1 to Nov. 10				Apr. 11 to Sept. 30			
0.9	73	2.3	555	0.8	64	2.2	503
1.1	111	2.5	690	1.0	93	2.4	622
1.3	154			1.2	134	2.6	758
1.5	205			1.4	184	2.8	910
1.7	270			1.6	245	3.0	1,070
1.9	347			1.8	318	3.2	1,230
2.1	440			2.0	403		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	73	93					60	363	1,150	295	153	97
2	75	93					60	363	1,040	288	158	97
3	73	78					60	363	810	273	151	102
4	73	72					60	487	758	259	148	106
5	73	85					60	635	681	248	168	104
6	75	95					60	554	702	232	156	101
7	75	86					60	477	1,050	223	144	93
8	77	89					60	461	990	210	130	90
9	77	93					60	487	810	198	125	87
10	75	87					60	622	751	198	127	85
11	75	80					69	751	716	201	151	83
12	77	85					87	863	737	207	326	83
13	77	90					114	934	802	187	239	82
14	84	75					136	1,110	744	198	213	85
15	105	75					151	1,190	751	198	196	85
16	95	90					181	998	675	181	171	83
17	87	90					252	832	629	171	153	83
18	99	85					359	765	675	163	139	83
19	91	80					422	773	597	156	130	83
20	91	80					467	758	572	148	123	82
21	87	80					566	662	579	141	121	80
22	86	80					591	566	543	148	119	80
23	87	85					622	526	549	158	114	79
24	95	80					648	585	566	176	106	77
25	93	75					560	709	537	158	101	76
26	87	80					493	788	487	144	97	76
27	80	80					441	871	441	132	95	76
28	80	75					403	966	413	130	93	76
29	82	70					372	966	355	132	93	76
30	73	65					377	894	314	161	90	76
31	82	-					-	942	-	161	91	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,559	105	73	82.5	5,080
November	2,471	95	65	82.4	4,900
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	7,911	648	60	264	15,690
May	22,261	1,190	363	718	44,150
June	20,424	1,150	314	681	40,510
July	5,875	295	130	190	11,650
August	4,421	326	90	143	8,770
September	2,566	106	76	85.5	5,090
Water year					

Note.- Water commissioner for Big Lost River, estimated a mean flow of 60 second-feet Dec. 1-31; 55 second-feet, Jan. 1-31; 50 second-feet Feb. 1 to Mar. 15; 55 second-feet Mar. 16-31.

Big Lost River (east channel) above Mackay Reservoir, near Mackay, Idaho

Location.- Water-stage recorder, lat. 43°59', long. 113°45', in sec. 32, T. 8 N., R. 23 E., 3 miles above Mackay Dam, above flow line of reservoir, and about 7 1/2 miles northwest of Mackay.

Records available.- May 1919 to September 1936.

Average discharge.- 17 years, 46.1 second-feet.

Extremes.- Maximum discharge during year, 329 second-feet June 8 (gage height, 2.92 feet); no flow Oct. 1 to May 13, July 24 to Aug. 22, and Aug. 29 to Sept. 30.
1919-36: Maximum discharge, 1,000 second-feet June 25, 1932 (gage height, 5.48 feet, former site and datum); no flow for long periods during 1920 and 1923-36.

Remarks.- Records good. Diversions for irrigation above station. The sum of this discharge and those of west channel of Big Lost River and of east of west channels of Warm Spring Creek, near Mackay, Idaho, shows entire flow of Big Lost River at this point and practically entire surface into Mackay Reservoir. Gage-height record and one discharge measurement furnished by water commissioner for Big Lost River.

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

Oct. 1 to June 1				June 1 to Sept. 30			
0.2	0	1.8	108	0.3	0	1.8	113
.4	2	2.0	137	.5	1.5	2.0	144
.6	7	2.2	170	.7	6.5	2.2	178
.8	15	2.4	207	.9	16	2.4	215
1.0	26	2.6	248	1.0	23	2.6	256
1.2	41			1.2	40	2.8	301
1.4	60			1.4	61	3.0	348
1.6	83			1.6	86		

Discharge, 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	252	69	0	
2								0	322	60	0	
3								0	267	50	0	
4								0	221	39	0	
5								0	187	33	0	
6								0	180	29	0	
7								0	256	22	0	
8								0	322	15	0	
9								0	256	14	0	
10								0	211	13	0	
11								0	183	13	0	
12								0	170	11	0	
13								0	191	10	0	
14								21	192	9	0	
15								136	187	8	0	
16								183	173	7	0	
17								174	156	6	0	
18								160	151	6	0	
19								153	147	6	0	
20								160	138	5	0	
21								150	125	4	0	
22								128	119	3	0	
23								107	113	1	1	
24								95	119	0	1	
25								102	122	0	2	
26								126	118	0	2	
27								151	107	0	1	
28								179	99	0	1	
29								213	90	0	0	
30								190	80	0	0	
31								184	-	0	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	25,670	900	0	70.3	50,920
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	2,612	213	0	84.3	5,180
June	5,254	322	80	175	10,420
July	433	69	0	14.0	859
August	8	2	0	.3	16
September	0	0	0	0	0
Water year 1935-36	8,307	322	0	22.7	16,480

Big Lost River (west channel) above Mackay Reservoir, near Mackay, Idaho

Location.- Water-stage recorder, lat. 43°58', long. 113°45', in sec. 5, T. 7 N., R. 23 E., 3 miles above Mackay Dam, above flow line of reservoir, and about 7½ miles northwest of Mackay.

Records available.- May 1919 to September 1936.

Average discharge.- 17 years, 53.6 second-feet.

Extremes.- Maximum discharge during year, 625 second-feet Aug. 11 (gage height, 3.50 feet); minimum, 13 second-feet May 5, 6 (gage height, 0.91 foot).
1919-36: Maximum discharge (estimated), 1,200 second-feet during period June 5-16, 1921 (gage height, 4.45 feet); minimum, 9 second-feet May 22, 26, 1935.

Remarks.- Records good. Discharge interpolated Dec. 1-6, Jan. 7-10, 27-31, July 9, 10. Diversions for irrigation above station. The sum of this discharge and those of east channel of Big Lost River and east and west channels of Warm Spring Creek, near Mackay, Idaho, shows entire flow of Big Lost River at this point and practically the entire surface flow into Mackay Reservoir. Gage-height record furnished by water commissioner of Big Lost 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	38	37	30	28	23	22	16	19	179	46	40	38
2	38	35	30	28	23	22	16	19	229	38	40	37
3	37	35	30	28	23	22	16	20	184	35	40	38
4	37	35	30	28	23	20	16	19	148	32	38	40
5	37	35	30	28	23	20	16	17	131	30	37	40
6	37	35	30	28	23	20	16	17	121	28	38	40
7	37	35	30	28	23	20	16	18	168	30	38	40
8	38	35	31	29	23	20	16	18	234	30	35	40
9	38	35	30	29	23	20	16	18	197	30	34	41
10	38	35	30	30	23	19	16	17	159	31	34	43
11	38	34	30	30	24	19	17	17	137	31	77	43
12	38	34	30	28	24	19	16	16	127	31	37	43
13	38	32	28	28	24	19	16	14	131	28	37	43
14	38	32	28	28	24	19	16	17	137	31	37	43
15	40	32	28	27	24	19	16	38	131	30	38	43
16	40	32	27	27	24	19	16	70	115	28	38	43
17	40	32	27	27	24	18	16	86	100	28	38	43
18	38	31	26	27	24	18	17	86	92	31	40	41
19	38	31	27	27	24	18	17	88	88	31	40	41
20	38	30	27	27	23	18	17	96	85	31	40	41
21	38	30	27	27	23	18	17	94	79	31	38	40
22	37	30	27	27	23	18	17	83	74	31	35	40
23	37	30	27	27	23	18	18	70	105	31	32	40
24	37	30	28	27	23	17	18	60	69	34	34	40
25	37	31	27	27	23	17	19	60	76	37	34	40
26	38	31	27	26	23	16	19	70	74	34	37	40
27	38	30	28	26	22	16	19	96	70	35	37	41
28	38	30	27	25	22	16	19	129	64	37	38	40
29	38	30	27	24	22	16	19	146	60	37	40	41
30	37	30	28	24	-	16	19	137	53	38	37	41
31	37	-	28	23	-	16	-	129	-	40	38	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,173	40	37	37.8	2,330
November	974	37	30	32.5	1,930
December	880	31	26	28.4	1,750
Calendar year 1935	14,998	364	9	41.1	29,760
January	843	30	23	27.2	1,670
February	673	24	22	23.2	1,330
March	575	22	16	18.5	1,140
April	508	19	16	16.9	1,010
May	1,784	146	14	57.5	3,540
June	3,617	234	53	121	7,170
July	1,015	46	28	32.7	2,010
August	1,196	77	32	38.6	2,370
September	1,224	43	37	40.8	2,430
Water year 1935-36	14,462	234	14	39.5	28,680

Combined discharge, in second-feet, of Big Lost River (east and west channels) and Warm Spring Creek (east and west channels) above Mackay Reservoir, near Mackay, Idaho, 1934-35

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	121	113	124	117	110	108	102	83	589	589	178	126
2	120	116	122	116	109	108	101	84	625	522	173	128
3	120	118	124	117	109	109	100	83	649	517	170	128
4	119	118	124	117	110	109	100	82	673	529	168	127
5	119	118	123	117	111	109	100	81	741	549	164	127
6	120	118	123	116	111	110	98	80	824	542	163	128
7	118	118	123	116	110	110	98	79	1,060	508	160	128
8	117	119	123	117	110	113	99	79	1,200	493	162	128
9	116	118	121	120	112	112	96	76	1,340	479	163	127
10	116	117	121	120	111	112	93	75	1,430	460	163	128
11	115	117	120	120	111	110	92	75	1,390	435	158	127
12	111	116	120	117	110	110	92	75	1,430	407	156	128
13	107	114	118	116	111	111	92	76	1,560	393	154	128
14	107	114	118	116	110	114	91	77	1,580	377	151	128
15	107	113	117	117	111	108	92	77	1,520	370	148	130
16	106	113	116	114	111	108	93	77	1,330	370	146	131
17	106	113	117	114	110	108	90	79	1,120	369	141	132
18	105	113	117	115	111	106	89	78	973	355	134	134
19	105	113	117	115	111	106	87	77	983	341	130	133
20	106	113	117	110	109	104	87	77	1,060	336	129	133
21	109	113	117	109	109	104	86	77	1,040	323	127	134
22	110	115	116	113	109	103	86	76	1,030	309	130	134
23	113	115	118	114	109	102	84	80	1,080	294	129	138
24	113	115	118	114	109	102	84	87	1,030	288	125	141
25	114	115	116	113	109	102	81	103	888	282	125	139
26	112	116	116	113	109	103	79	102	779	270	128	137
27	112	118	116	113	108	103	77	116	728	245	128	139
28	112	123	116	113	108	102	80	200	749	215	128	142
29	112	122	115	112	-	103	84	272	769	195	130	142
30	112	124	117	110	-	102	83	312	685	187	130	142
31	112	-	116	110	-	102	-	463	-	181	127	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,492	121	105	113	6,930
November	3,488	124	113	116	6,920
December	3,686	124	115	119	7,310
Calendar year 1934	38,977	131	81	107	77,320
January	3,561	120	109	115	7,060
February	3,078	112	108	110	6,110
March	3,313	114	102	107	6,570
April	2,716	102	77	90.5	5,390
May	3,458	463	75	112	6,860
June	30,920	1,580	589	1,031	61,330
July	11,730	589	181	378	23,270
August	4,518	178	125	146	8,960
September	3,967	142	126	132	7,870
Water year 1934-35	77,927	1,580	75	213	154,600

Note.- The above records were omitted from Water-Supply Paper 793.

Combined discharge, in second-feet, of Big Lost River (east and west channels) and Warm Spring Creek (east and west channels) above Mackay Reservoir, near Mackay, Idaho, 1935-36

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	142	158	151	145	132	131	122	94	622	231	147	132
2	142	157	151	146	131	132	123	94	783	211	148	132
3	139	157	150	146	131	131	123	95	659	197	148	135
4	137	158	150	145	130	130	122	94	561	183	145	137
5	137	158	150	145	130	129	121	92	500	175	144	138
6	137	158	150	145	129	129	121	92	483	163	145	138
7	138	150	150	145	129	129	121	95	635	154	147	138
8	139	152	149	143	129	129	121	94	793	146	145	140
9	139	154	147	143	130	130	119	95	676	146	138	142
10	138	154	147	144	129	128	119	94	576	144	139	148
11	141	153	147	143	131	129	117	95	516	145	267	149
12	141	153	148	141	129	130	115	94	485	142	159	149
13	140	152	146	141	129	130	112	91	504	138	155	152
14	144	152	145	141	129	129	106	115	513	142	154	152
15	149	152	145	139	129	129	104	281	496	140	155	153
16	148	155	144	140	129	129	104	398	459	137	155	154
17	146	155	144	140	127	127	104	415	419	133	155	158
18	144	154	144	139	129	128	104	397	399	138	153	159
19	143	154	144	138	129	127	103	390	391	138	139	156
20	145	153	145	138	128	127	103	407	379	137	144	156
21	146	154	144	137	128	127	100	394	358	136	143	156
22	148	155	144	136	129	127	98	358	343	133	137	154
23	150	155	144	136	130	127	97	324	364	133	135	151
24	152	154	145	138	130	125	94	280	344	136	135	152
25	153	154	144	139	130	125	96	285	351	138	135	152
26	155	153	144	134	131	123	96	323	336	133	139	152
27	155	151	145	135	130	123	94	388	319	136	136	153
28	156	151	145	136	130	122	95	470	297	140	134	149
29	156	151	145	134	130	122	95	525	276	141	132	149
30	156	151	146	133	-	122	94	494	254	143	125	146
31	157	-	145	133	-	122	-	477	-	147	127	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,513	157	137	146	8,950
November	4,618	158	150	154	9,160
December	4,538	151	144	146	9,000
Calendar year 1935	80,930	1,580	75	222	160,500
January	4,338	146	133	140	8,600
February	3,757	132	127	130	7,450
March	3,948	132	122	127	7,830
April	3,243	123	94	108	6,430
May	7,940	525	91	256	15,750
June	14,091	793	254	470	27,950
July	4,656	231	133	150	9,240
August	4,560	267	125	147	9,040
September	4,432	159	132	148	8,790
Water year 1935-36	64,634	793	91	177	128,200

Mackay Reservoir near Mackay, Idaho

Location.- Staff gage on head-gate tower of dam, lat. 43°57', long. 113°40', in sec. 12, T. 7 N., R. 23 E., 4 miles northwest of Mackay. Zero of gage is 6,000 feet above mean sea level.

Records available.- January 1919 to September 1936.

Extremes.- Maximum contents during year, 29,290 acre-feet June 18, 19 (gage height, 54.35 feet); minimum, 614 acre-feet Oct. 29 (gage height, 10.15 feet).

1919-36: Maximum contents, 40,500 acre-feet June 26, 1922 (gage height, 63.62 feet); no available storage during periods in 1919, 1920, 1924, 1926, 1929, and 1931-35: minimum stage, 6.3 feet Aug. 5, 1934.

Remarks.- Capacity of reservoir is 38,400 acre-feet between gage heights, 7.0 and 62.0 feet. Big Lost River Irrigation District has been organized to purchase reservoir rights from Carey Act Project of the Utah Construction Co. During 1936 water was used for irrigation of 520 acres of project lands and to provide supplemental irrigation of about 15,000 acres of district lands pending completion of transfer after which the stored water will be allocated to 18,104 acres within the district. Owing to the porous foundation there is considerable seepage around the dam, the greater part of which reappears between reservoir and station on Big Lost River below Mackay Reservoir, near Mackay. Gage-height record furnished by water commissioner for Big Lost River.

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	1,170	1,233	6,759	11,000	15,000	17,430	19,390	19,940	16,310	16,070	1,604	2,114
2	1,189	1,555	6,869	11,140	15,030	17,510	19,470	19,940	17,450	14,860	1,474	2,114
3	1,189	1,821	6,996	11,270	15,110	17,590	19,520	19,940	18,030	13,690	1,306	2,297
4	1,170	2,028	7,136	11,410	15,210	17,670	19,570	19,940	18,630	12,420	1,170	2,398
5	1,144	2,244	7,272	11,550	15,330	17,760	19,610	19,940	19,060	11,850	1,052	2,514
6	1,091	2,456	7,404	11,690	15,420	17,840	19,650	19,910	19,670	11,360	948	2,675
7	1,091	2,711	7,520	11,830	15,520	17,920	19,700	19,890	20,660	10,840	883	2,833
8	1,078	2,954	7,632	12,020	15,610	18,010	19,780	19,870	22,090	10,640	870	2,880
9	1,060	3,155	7,745	12,190	15,720	18,090	19,830	19,870	23,250	10,540	832	2,906
10	1,039	3,350	7,859	12,330	15,810	18,180	19,850	19,920	24,280	10,410	745	2,917
11	1,013	3,578	7,956	12,500	15,910	18,230	19,870	19,910	24,990	10,260	948	2,943
12	982	3,783	8,055	12,680	16,030	18,270	19,920	19,890	25,600	10,250	974	2,981
13	956	3,972	8,201	12,810	16,150	18,350	19,960	19,800	26,490	10,110	1,052	2,965
14	904	4,186	8,325	12,920	16,270	18,430	19,980	19,650	27,140	9,919	1,224	2,954
15	838	4,366	8,444	13,050	16,360	18,520	19,950	19,650	27,740	9,631	1,390	2,928
16	795	4,542	8,564	13,200	16,440	18,540	19,870	19,870	27,960	9,376	1,590	2,917
17	752	4,720	8,684	13,350	16,520	18,570	19,920	20,160	28,690	8,910	1,797	2,917
18	716	4,900	8,806	13,520	16,610	18,650	19,940	20,000	29,290	8,366	1,950	2,943
19	704	5,049	8,929	13,710	16,650	18,700	19,960	19,890	29,290	7,985	2,108	2,981
20	692	5,219	9,096	13,860	16,690	18,740	19,950	19,760	28,960	7,587	2,254	2,992
21	680	5,372	9,263	14,010	16,770	18,820	19,940	19,580	28,470	7,012	2,388	3,019
22	668	5,527	9,427	14,160	16,850	18,900	19,940	19,320	26,800	6,340	2,456	3,057
23	656	5,693	9,599	14,290	16,930	18,950	19,910	19,080	25,350	5,739	2,204	3,068
24	649	5,847	9,791	14,410	17,010	19,000	19,920	18,460	24,880	5,072	2,108	3,095
25	644	5,993	9,984	14,500	17,090	19,040	19,940	17,760	23,390	4,314	2,076	3,133
26	633	6,125	10,130	14,570	17,180	19,060	19,940	17,240	22,280	3,867	2,076	3,144
27	626	6,250	10,270	14,650	17,260	19,090	19,870	16,750	20,980	3,437	2,076	3,117
28	626	6,375	10,400	14,730	17,340	19,130	19,920	16,470	19,630	3,011	2,028	3,003
29	614	6,501	10,580	14,800	17,390	19,220	19,910	16,590	18,500	2,594	1,996	2,783
30	642	6,629	10,780	14,880	-	19,290	19,920	16,110	17,240	2,188	2,012	2,736
31	733	-	10,890	14,950	-	19,350	-	15,500	-	1,827	2,028	-

Big Lost River below Mackay Reservoir, near Mackay, Idaho

Location.- Water-stage recorder, lat. 43°56', long. 113°38', in sec. 18, T. 7 N., R. 24 E., 450 feet below Oleson Suspension Bridge, 1 mile below heading of Sharp Ditch, 1½ miles below Mackay Dam, and 2½ miles northwest of Mackay.

Records available.- December 1903 to August 1908, May 1912 to March 1915, January 1919 to September 1936. From April 1913 to March 1915 at site 1 mile downstream.

Average discharge.- 20 years (1904-5, 1912-14, 1919-36), 256 second-feet.

Extremes.- Maximum discharge during year, 990 second-feet July 1 (gage height, 3.46 feet); minimum, 48 second-feet Nov. 1 (gage height, 1.45 feet).
1903-6, 1912-15, 1919-36: Maximum discharge, 2,900 second-feet June 10, 1921 (gage height, 5.79 feet); minimum discharge, 12 second-feet Nov. 1, 1934; minimum gage height, 1.23 feet Nov. 5-8, 1926.

Remarks.- Records good. Discharge interpolated Jan. 2, 3, 31, Feb. 14, Aug. 13, 14, 16-18. Numerous diversions above Mackay Reservoir but Sharp Ditch is only diversion between gage and reservoir. Flow regulated by storage in Mackay Reservoir. Gage-height record furnished by water commissioner for Big Lost 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	146	52	96	80	96	106	112	106	452	925	311	130
2	152	50	101	82	96	106	112	106	351	895	260	101
3	165	52	101	83	96	106	112	106	351	775	251	104
4	165	52	104	85	96	109	112	106	338	674	239	98
5	165	54	104	85	96	109	112	104	298	565	228	96
6	165	58	106	85	96	109	112	101	190	481	224	96
7	165	60	106	87	96	109	112	101	115	393	190	104
8	169	65	106	93	98	109	112	101	112	329	179	127
9	169	65	106	90	98	109	112	101	109	251	186	136
10	172	65	109	90	98	109	112	104	109	260	204	149
11	172	68	109	90	98	109	112	106	112	243	216	159
12	176	70	109	90	98	109	112	106	112	208	224	165
13	179	72	112	90	98	109	112	142	112	255	177	162
14	194	77	112	90	100	109	112	194	109	311	129	162
15	201	77	112	93	101	109	112	264	106	307	82	162
16	201	80	112	93	101	109	112	260	106	302	83	169
17	201	80	112	93	101	109	106	311	104	342	84	169
18	197	82	112	93	101	112	106	408	315	370	84	169
19	194	82	101	93	104	112	106	520	580	370	85	169
20	194	85	86	93	104	112	106	520	619	403	96	169
21	194	87	82	93	104	112	106	520	745	447	121	172
22	194	87	77	96	104	112	106	520	805	476	133	172
23	186	90	77	96	104	112	106	530	895	540	220	176
24	186	90	80	96	104	112	106	608	925	515	204	176
25	183	93	82	96	104	112	109	630	925	525	172	176
26	186	96	82	96	104	112	112	619	925	408	159	194
27	194	98	82	96	104	112	112	619	925	384	136	208
28	194	98	80	96	104	112	109	619	925	384	146	228
29	204	98	80	96	106	112	109	630	895	384	162	243
30	194	98	80	96	-	112	109	663	925	361	179	251
31	90	-	80	96	-	112	-	663	-	342	172	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,547	204	90	179	11,000
November	2,281	98	50	76.0	4,520
December	2,999	112	77	96.7	5,950
Calendar year 1935	86,765	1,250	50	238	172,100
January	2,831	96	80	91.3	5,620
February	2,910	106	96	100	5,770
March	3,412	112	106	110	6,770
April	3,300	112	106	110	6,550
May	10,488	663	101	338	20,800
June	13,590	925	104	453	26,960
July	13,425	925	208	433	26,630
August	5,336	311	82	172	10,580
September	4,792	251	96	160	9,500
Water year 1935-36	70,911	925	50	194	140,600

Warm Spring Creek (east channel) near Mackay, Idaho

Location.- Staff gage, lat. 43°58', long. 113°45', in NE¼ sec. 5, T. 7 N., R. 23 E., 500 feet above junction with west channel of Warm Spring Creek and about 7½ miles northwest of Mackay.

Records available.- May 1919 to September 1936.

Average discharge.- 17 years, 29.2 second-feet.

Extremes.- Maximum daily discharge during year (estimated), 75 second-feet June 8; minimum, 17 second-feet Apr. 30 to May 14.
1919-36: Maximum discharge, 225 second-feet June 15, 1922; minimum, 9 second-feet May 8, 9, 13, and 14, 1919, and May 18-21, 1920.

Remarks.- Records fair. One or more gage readings each week; discharge estimated or interpolated for days of no gage heights. Natural flow practically all diverted during irrigation season. Flow during summer represents return flow from irrigation above. The sum of this discharge and those of west channel of Warm Spring Creek and east and west channels of Big Lost River, near Mackay, Idaho, shows practically entire surface flow of Big Lost River that enters Mackay Reservoir. Gage-height record furnished by water commissioner for Big Lost 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	27	35	34	35	31	30	28	17	60	30	25	20
2	27	35	34	35	31	30	28	17	75	30	25	20
3	27	35	34	35	31	30	28	17	60	30	25	20
4	27	35	34	35	30	31	28	17	55	29	25	20
5	27	35	34	35	30	31	28	17	55	28	25	20
6	27	35	34	35	29	31	28	17	54	26	25	20
7	27	35	34	35	29	31	27	17	60	25	26	20
8	27	35	34	34	29	31	27	17	75	24	26	21
9	27	35	34	34	29	31	26	17	70	25	25	21
10	27	35	34	34	29	31	26	17	65	25	25	22
11	28	35	34	34	29	31	26	17	61	26	40	22
12	28	35	34	34	28	31	26	17	58	26	22	22
13	27	36	34	34	28	31	26	17	54	26	22	22
14	27	36	34	34	28	31	26	17	53	25	22	22
15	26	36	34	33	28	31	25	30	52	25	22	23
16	25	36	34	33	28	31	25	40	51	25	22	23
17	24	36	34	33	28	31	25	45	50	24	21	24
18	24	36	35	33	28	32	25	45	48	24	21	24
19	23	37	35	33	28	32	24	45	47	24	21	24
20	25	37	35	33	28	32	23	45	48	24	22	24
21	26	38	35	33	28	32	22	45	48	24	22	24
22	28	38	35	34	29	31	22	44	47	24	22	23
23	29	38	35	34	29	31	21	44	46	24	22	23
24	31	37	35	34	29	30	20	35	46	24	22	22
25	32	36	35	34	29	30	19	35	44	24	22	22
26	34	35	35	34	30	29	19	35	43	24	22	22
27	34	34	35	33	30	29	19	41	41	24	21	22
28	34	34	35	33	20	28	18	50	38	25	20	22
29	34	34	35	32	30	28	18	50	34	25	19	22
30	35	34	35	32	-	28	17	51	31	25	19	22
31	35	-	35	31	-	28	-	50	-	25	19	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	879	35	23	28.4	1,740
November	1,068	38	34	35.6	2,120
December	1,068	35	34	34.5	2,120
Calendar year 1935	11,321	111	15	31.0	22,450
January	1,045	35	31	33.7	2,070
February	843	31	28	29.1	1,670
March	944	32	28	30.5	1,870
April	720	28	17	24.0	1,430
May	968	51	17	31.2	1,920
June	1,569	75	31	52.3	3,110
July	789	30	24	25.5	1,560
August	717	40	19	23.1	1,420
September	658	24	20	21.9	1,310
Water year 1935-36	11,268	75	17	30.8	22,340

Warm Spring Creek (west channel) near Mackay, Idaho

Location.- Water-stage recorder, lat. 43°58', long. 113°45', in NE¼ sec. 5, T. 7 N., R. 23 E., 500 feet above junction with east channel of Warm Spring Creek and about 7½ miles northwest of Mackay.

Records available.- May 1919 to September 1936.

Average discharge.- 17 years, 91.8 second-feet.

Extremes.- Maximum discharge during year (estimated), 600 second-feet Aug. 11 (gage height, 4.42 feet, from high-water mark); minimum, 55 second-feet Apr. 25, May 5 (gage height, 0.66 foot).

1919-36: Maximum discharge, that of Aug. 11, 1936; minimum, 49 second-feet Apr. 27, 1935 (gage-height, 0.62 foot).

Remarks.- Records good. Discharge interpolated Oct. 16-18, 21, 22, 31, Nov. 1; estimated Aug. 11 because of cloudburst.

Flow during summer represents return flow from irrigation above station. The sum of this discharge and those of east channel of Warm Spring Creek and of east and west channels of Big Lost River, near Mackay, Idaho, shows practically entire surface flow of Big Lost River that enters Mackay Reservoir. Gage-height record furnished by water commissioner for Big Lost 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	77	86	87	82	78	79	78	58	131	86	82	74
2	77	87	87	83	77	80	79	58	157	83	83	75
3	75	87	86	83	77	79	79	58	148	82	83	77
4	73	88	86	82	77	79	78	58	137	83	82	77
5	73	88	86	82	77	78	77	58	127	84	82	78
6	73	88	86	82	77	78	77	58	128	80	82	78
7	74	80	86	82	77	78	78	60	151	77	83	78
8	74	82	84	80	77	78	78	59	162	77	84	79
9	74	84	83	80	78	79	77	60	153	77	79	80
10	73	84	83	80	77	78	77	60	141	75	80	83
11	75	84	83	79	78	79	74	61	135	75	150	84
12	75	84	84	79	77	80	73	61	130	74	100	84
13	75	84	84	79	77	80	70	60	128	74	96	87
14	79	84	83	79	77	79	64	60	131	77	95	87
15	83	84	83	79	77	79	63	77	126	77	95	87
16	83	87	83	80	77	79	63	105	120	77	95	88
17	82	87	83	80	75	78	63	110	113	75	96	91
18	82	87	83	79	77	78	62	106	108	77	92	94
19	82	86	82	78	77	77	62	104	109	77	78	91
20	82	86	83	78	77	77	63	106	108	77	82	91
21	82	86	82	77	77	77	61	105	106	77	83	92
22	83	87	82	75	77	78	59	103	103	75	80	91
23	84	87	82	75	78	78	58	103	100	77	80	88
24	84	87	82	77	78	78	56	90	110	78	78	90
25	84	87	82	78	78	78	58	88	109	77	77	90
26	83	87	82	74	78	78	58	92	101	75	78	90
27	83	87	82	76	78	78	56	100	101	77	77	90
28	84	87	83	78	78	78	58	112	96	78	75	87
29	84	87	83	78	78	78	58	116	92	79	73	86
30	84	87	83	77	-	78	58	116	90	80	69	83
31	85	-	82	79	-	78	-	114	-	82	70	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,461	85	73	79.4	4,880
November	2,576	88	80	85.9	5,110
December	2,590	87	82	83.5	5,140
Calendar year 1935	28,930	202	49	79.3	57,380
January	2,450	83	74	79.0	4,860
February	2,241	78	75	77.3	4,440
March	2,429	80	77	78.4	4,820
April	2,015	79	56	67.2	4,000
May	2,576	116	58	83.1	5,110
June	3,651	162	90	122	7,240
July	2,419	86	74	78.0	4,800
August	2,639	150	69	85.1	5,230
September	2,550	94	74	85.0	5,060
Water year 1935-36	30,597	162	56	83.6	60,690

Sharp Ditch near Mackay, Idaho

Location.- Staff gage, lat. 43°57', long. 113°40', in sec. 12, T. 7 N., R. 23 E., 250 feet below head of ditch, half a mile below Mackay Reservoir, and 3½ miles northwest of Mackay.

Records available.- June 1912 to October 1914, March 1919 to September 1936.

Extremes.- Maximum discharge observed during year, 21 second-feet June 21, July 27 to Aug. 1; maximum gage height, 1.60 feet July 27 to Aug. 1; no flow Dec. 1 to Apr. 10, May 11-16.

1912-14, 1919-36: Maximum discharge observed, 42 second-feet June 23, 1921; usually no flow during winter and other times when water is shut off.

Remarks.- Records fair. Discharge Oct. 7, 8, 25-31, Nov. 28-30, Apr. 14-18 computed on basis of information furnished by water commissioner for Big Lost River. Sharp ditch diverts from east side of Big Lost River in SE¼ sec. 12, T. 7 N., R. 23 E., 1 mile above station on Big Lost River below Mackay Reservoir, near Mackay, Idaho, and half a mile below Mackay Reservoir. Water is used for irrigation of land northwest of Mackay and above Streeter Ditch. Gage-height record furnished by water commissioner for Big Lost 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	12	3					0	4	18	16	21	13
2	*12	*3					0	8	17	16	14	12
3	12	*3					0	*10	17	15	14	12
4	*12	*3					0	*10	17	14	14	12
5	*12	*3					0	*10	16	14	14	*11
6	12	*3					0	*10	16	14	14	10
7	12	*3					0	10	16	13	13	*10
8	10	*3					0	*10	11	13	13	10
9	8	3					0	*11	11	12	13	*10
10	8	*3					0	11	11	15	13	9
11	*8	*3					4	0	11	16	13	*9
12	8	*3					*8	0	11	16	10	9
13	*8	*3					8	0	18	17	10	*9
14	*8	2					8	0	20	16	10	9
15	8	*1					8	0	20	16	10	*8
16	*8	*1					8	0	20	15	9	7
17	*8	*1					8	16	20	14	9	*7
18	8	*1					9	16	20	14	9	7
19	*8	*1					*10	18	20	14	9	*7
20	*8	*1					*10	17	20	14	9	7
21	*8	*1					*10	17	21	14	9	*6
22	*8	*1					*10	17	16	14	12	5
23	*8	1					10	17	17	14	13	*5
24	8	*1					6	17	16	14	12	*6
25	8	*1					*4	17	19	14	12	6
26	3	*1					*4	17	17	18	13	*6
27	8	1					*4	17	16	21	13	6
28	8	1					*4	17	16	21	13	*6
29	8	1					*4	20	16	21	13	6
30	8	1					*4	18	16	21	13	7
31	8	-					-	18	-	21	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	278	12	8	9.0	551
November	57	3	1	1.9	113
December	0	0	0	0	0
Calendar year 1935	3,430	28	0	9.4	6,790
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	141	10	0	4.7	280
May	353	20	0	11.4	700
June	499	21	11	16.6	990
July	467	21	12	15.7	966
August	377	21	9	12.2	748
September	247	13	5	8.2	490
Water year 1935-36	2,439	21	0	6.7	4,840

*Interpolated.

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Portneuf River at Topaz, Idaho

Location.- Staff gage, lat. 42°38', long. 112°8', in sec. 23, T. 9 S., R. 37 E., at Oregon Short Line Railroad bridge a quarter of a mile west of Topaz, 1½ miles above diversion dam of Portneuf-Marsh Valley Canal Co., and 6 miles southeast of McCammon.

Records available.- January 1913 to September 1915, July 1919 to September 1936.

Average discharge.- 17 years (1913-14, 1919-22, 1923-36), 199 second-feet.

Extremes.- Maximum discharge observed during year, 524 second-feet May 5, 6; maximum gage height, 3.50 feet Apr. 24; minimum discharge, 81 second-feet Oct. 8-10, 13; minimum gage height, 1.00 foot Sept. 24.

1913-15, 1919-36: Maximum discharge observed, 902 second-feet Apr. 3, 1913 (gage height, 6.1 feet, referred to original gage); minimum, 65 second-feet Oct. 9, 1934 (gage height, 0.81 foot).

Remarks.- Records fair. Flow regulated by storage in Portneuf-Marsh Valley Canal Co.'s reservoir near Chesterfield. Numerous ranch 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	90	117	132	132	102	130	126	412	302	222	240	214
2	90	117	134	134	136	130	128	428	294	214	212	190
3	87	124	130	138	145	128	128	444	267	222	214	186
4	85	121	126	138	145	128	128	476	258	222	218	186
5	84	124	130	140	134	128	132	524	267	222	218	180
6	89	126	132	109	134	128	130	524	267	222	208	176
7	84	130	134	102	130	128	130	444	267	222	198	176
8	81	130	132	128	132	130	151	412	258	228	198	178
9	81	130	132	140	132	132	162	396	249	228	198	170
10	81	132	136	140	128	132	184	396	240	224	200	168
11	82	128	142	142	128	130	192	412	240	220	198	174
12	84	132	145	145	136	126	249	428	240	228	200	170
13	81	132	142	145	136	121	396	428	208	220	216	166
14	84	128	138	145	140	128	444	428	206	226	228	174
15	89	124	134	143	138	126	444	444	198	226	204	162
16	85	136	130	142	142	126	508	444	210	230	196	140
17	87	143	108	140	128	124	492	444	218	240	170	136
18	87	145	90	134	128	132	476	428	194	240	164	136
19	85	142	119	136	128	126	460	302	208	210	164	130
20	89	138	130	136	126	130	428	302	202	202	164	128
21	89	138	130	132	128	128	412	285	214	222	160	126
22	89	138	130	122	162	130	444	267	210	230	162	124
23	90	138	134	124	166	128	460	267	214	230	174	122
24	93	138	136	124	153	128	508	249	206	230	178	121
25	92	134	132	117	142	130	492	240	206	230	170	122
26	92	136	128	130	143	130	460	249	240	230	159	124
27	89	138	129	136	140	136	412	294	240	230	151	124
28	95	134	130	143	134	132	428	294	240	230	155	121
29	97	134	132	130	134	126	412	302	230	230	180	122
30	102	134	134	128	-	124	428	276	230	230	222	122
31	102	-	134	108	-	134	-	258	-	228	218	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,735	102	81	88.2	5,420
November	3,961	145	117	132	7,860
December	4,045	145	90	130	8,020
Calendar year 1935	53,033	372	81	145	105,200
January	4,103	145	102	132	8,140
February	3,948	153	102	136	7,830
March	3,989	136	121	129	7,910
April	9,944	508	126	331	19,720
May	11,497	524	240	371	22,800
June	7,023	302	194	234	13,930
July	6,988	240	202	225	13,860
August	5,937	240	151	192	11,780
September	4,568	214	121	152	9,060
Water year 1935-36	68,738	524	81	188	136,300

Portneuf River at Pocatello, Idaho

Location.- Water-stage recorder, lat. 42°52', long. 112°28', in sec. 27, T. 6 S., R. 34 E., at highway bridge at foot of Carson Street, in west end of Pocatello.

Records available.- August 1911 to September 1936, May 1897 to October 1899 at a site 1 mile upstream.

Average discharge.- 23 years (1912-16, 1917-36), 257 second-feet.

Extremes.- Maximum discharge during year, 802 second-feet Apr. 26, 27; maximum recorded gage height, 5.85 feet Apr. 26; minimum discharge, 39 second-feet June 30 (gage height, 2.17 feet).

1897-99, 1911-36: Maximum discharge, in excess of 2,000 second-feet during period May 13 to June 14, 1917; minimum, 14 second-feet July 4-11, 13, 17, 18, 1898.

Remarks.- Records good except those for November to February and July to September, which are fair. Discharge Dec. 19-29 and Jan. 25 to Feb. 20 computed on basis of three discharge measurements, weather records, and records for station at Topaz. Numerous diversions for irrigation above station. Flow regulated by storage reservoir near Chesterfield.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	86	179	199	160	300	280	778	152	48	95	97
2	67	86	177	199	170	311	270	778	152	47	95	110
3	67	90	173	199	180	322	260	778	160	58	110	116
4	67	94	173	208	180	311	270	778	169	58	118	119
5	67	134	173	214	190	311	280	778	177	55	121	118
6	53	175	177	206	190	311	280	757	177	56	122	116
7	69	179	177	126	180	311	280	737	184	58	124	110
8	75	182	180	195	180	322	290	716	188	54	122	105
9	69	186	182	260	180	332	322	695	184	64	116	103
10	68	195	180	260	190	332	332	675	177	67	107	101
11	67	191	180	290	200	332	353	654	180	65	111	97
12	69	186	182	246	200	322	395	630	168	67	114	94
13	69	186	197	242	200	332	460	618	157	69	119	94
14	74	186	195	244	200	332	538	582	142	77	127	95
15	84	182	186	260	200	311	595	547	137	73	127	97
16	80	179	171	250	200	322	630	512	129	71	126	100
17	83	186	137	233	200	322	666	477	124	70	137	105
18	86	191	138	210	210	322	715	442	114	65	134	107
19	84	197	140	199	220	322	740	406	108	65	129	108
20	81	195	150	204	220	322	740	369	104	63	116	107
21	82	193	170	202	231	342	752	332	94	65	126	108
22	82	191	180	199	260	342	765	300	94	65	124	108
23	86	180	190	186	270	322	778	250	85	63	110	108
24	86	177	200	168	300	300	790	231	90	63	105	111
25	86	175	200	160	280	300	790	212	93	79	101	111
26	86	173	190	170	250	290	802	192	100	79	91	113
27	86	175	190	180	218	280	802	173	90	82	75	116
28	85	179	190	190	280	290	790	155	81	84	79	118
29	86	180	200	180	290	300	790	155	64	85	86	118
30	86	184	199	170	-	290	790	154	46	86	86	116
31	85	-	201	150	-	280	-	153	-	97	94	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,380	86	53	76.8	4,720
November	5,093	197	86	170	10,100
December	5,557	201	137	179	11,020
Calendar year 1935	57,565	438	26	158	114,200
January	6,399	290	150	206	12,690
February	6,229	300	160	215	12,360
March	9,732	342	280	314	19,320
April	16,545	802	260	552	32,820
May	15,014	778	153	484	29,780
June	3,920	188	46	131	7,780
July	2,098	97	47	67.7	4,160
August	3,447	137	75	111	6,840
September	3,226	119	94	108	6,400
Water year 1935-36	79,646	802	46	218	158,000

North Side Minidoka Canal near Minidoka, Idaho

Location.- Water-stage recorder, lat. 42°40', long. 113°29', in sec. 1, T. 9 S., R. 25 E., 600 feet below head gates at Minidoka Dam and 6 miles south of Minidoka.

Records available.- May 1909 to September 1936.

Extremes.- Maximum discharge during year, 1,650 second-feet July 3-9; maximum gage height, 9.86 feet, July 8; no flow during winter.
1909-36: Maximum discharge, 1,670 second-feet July 11, 1932 (gage height, 9.90 feet); no flow during winter.

Remarks.- Records excellent. Flow controlled by operation of head gates. North Side Minidoka Canal diverts water from Snake River at Minidoka dam for irrigation of 62,000 acres in Minidoka County.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	618	265					0	1,340	1,300	1,640	1,300	1,320
2	654	224					0	1,440	1,300	1,640	1,200	1,310
3	641	228					0	1,500	1,250	1,650	1,200	1,270
4	613	218					0	1,570	1,120	1,650	1,190	1,210
5	601	169					0	1,560	1,120	1,650	1,190	1,150
6	592	170					0	1,580	1,120	1,650	1,190	1,080
7	613	170					0	1,600	956	1,650	1,220	1,040
8	622	176					0	1,580	797	1,650	1,280	974
9	616	178					0	1,590	799	1,650	1,310	974
10	635	182					0	1,580	797	1,640	1,320	974
11	632	186					0	1,580	797	1,520	1,320	976
12	599	62					0	1,590	862	1,480	1,230	866
13	609	50					0	1,590	988	1,480	1,070	784
14	592	82					35	1,580	1,050	1,460	1,110	801
15	481	59					85	1,580	1,050	1,390	1,100	824
16	299	104					136	1,580	1,060	1,420	1,080	782
17	300	154					174	1,590	1,140	1,430	1,050	696
18	302	119					305	1,580	1,220	1,440	1,030	662
19	302	30					421	1,560	1,390	1,440	1,110	654
20	300	0					480	1,550	1,440	1,440	1,250	651
21	298	0					573	1,580	1,440	1,450	1,380	645
22	302	0					662	1,590	1,500	1,540	1,410	637
23	305	0					757	1,590	1,550	1,560	1,460	634
24	306	0					892	1,580	1,540	1,560	1,530	679
25	307	0					958	1,580	1,530	1,550	1,560	726
26	285	0					974	1,590	1,520	1,490	1,570	668
27	265	0					1,060	1,590	1,520	1,430	1,570	620
28	267	0					1,200	1,590	1,520	1,420	1,580	590
29	267	0					1,240	1,580	1,580	1,380	1,550	556
30	271	0					1,280	1,590	1,630	1,390	1,440	584
31	275	-					-	1,510	-	1,390	1,400	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13,769	654	265	444	27,310
November	2,826	265	0	94.2	5,610
December	0	0	0	0	0
Calendar year 1935	222,881	1,600	0	611	442,100
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	11,232	1,280	0	374	22,280
May	48,490	1,600	1,340	1,564	96,180
June	36,886	1,630	797	1,230	73,160
July	47,130	1,650	1,380	1,520	93,480
August	40,200	1,580	1,030	1,297	79,740
September	25,337	1,320	556	845	50,260
Water year 1935-36	225,870	1,650	0	617	448,000

South Side Minidoka Canal near Minidoka, Idaho

Location.- Water-stage recorder, lat. 42°40', long. 113°29', in sec. 12, T. 9 S., R. 25 E., 300 yards below head gates at Minidoka Dam and 6 miles south of Minidoka.

Records available.- April 1909 to September 1936.

Extremes.- Maximum discharge during year, 1,320 second-feet July 22 (gage height, 6.08 feet); no flow during winter.
1909-36: Maximum discharge, that of July 22, 1936; no flow during winters.

Remarks.- Records excellent. Flow controlled by operation of head gates. South Side Minidoka Canal diverts water from Snake River at Minidoka Dam for irrigation of 54,000 acres of land in Cassia County.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	371	144	115				0	522	1,140	1,300	1,220	1,250
2	377	145	115				0	634	988	1,310	1,210	1,220
3	379	146	115				0	829	882	1,290	1,180	1,200
4	409	149	115				0	1,020	779	1,290	1,140	1,210
5	415	139	115				0	1,170	698	1,290	1,130	1,180
6	424	135	115				0	1,170	652	1,290	1,140	1,090
7	460	136	67				0	1,190	583	1,290	1,170	1,050
8	462	139	0				0	1,220	494	1,220	1,250	1,090
9	432	142	0				0	1,260	346	1,130	1,230	1,100
10	397	142	0				0	1,250	299	1,100	1,220	1,080
11	358	143	0				0	1,250	381	1,090	1,200	1,070
12	341	128	0				0	1,300	422	1,080	1,160	1,000
13	334	127	0				0	1,310	452	1,080	974	919
14	285	129	0				0	1,300	580	1,080	876	857
15	209	129	0				0	1,300	695	1,080	776	795
16	169	131	0				0	1,300	809	1,070	749	695
17	165	131	0				0	1,300	930	1,120	801	637
18	165	132	0				0	1,300	1,180	1,260	959	600
19	165	131	0				0	1,300	1,260	1,260	1,030	551
20	151	131	0				0	1,270	1,270	1,290	1,140	503
21	150	122	0				0	1,220	1,310	1,310	1,210	498
22	156	116	0				0	1,200	1,300	1,320	1,230	548
23	155	116	0				0	1,220	1,300	1,300	1,280	598
24	156	116	0				0	1,220	1,290	1,310	1,240	593
25	157	117	0				0	1,250	1,300	1,270	1,270	606
26	157	118	0				109	1,250	1,280	1,270	1,260	576
27	242	118	0				338	1,270	1,250	1,270	1,260	551
28	358	118	0				340	1,280	1,260	1,270	1,260	529
29	335	118	0				422	1,260	1,260	1,270	1,250	498
30	264	118	0				474	1,260	1,260	1,270	1,230	485
31	145	-	0				-	1,270	-	1,250	1,240	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	8,743	462	145	282	17,340
November	3,906	149	116	130	7,750
December	757	115	0	24.1	1,500
Calendar year 1935	170,022	1,300	0	466	337,200
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	1,683	474	0	56.1	3,340
May	36,895	1,310	522	1,190	73,180
June	27,650	1,310	299	922	54,840
July	38,030	1,320	1,070	1,227	75,430
August	35,285	1,280	749	1,138	69,990
September	24,579	1,250	485	819	48,750
Water year 1935-36	177,528	1,320	0	485	352,100

Goose Creek above Trapper Creek, near Oakley, Idaho

Location.- Water-stage recorder, lat. 42°7', long. 113°56', in sec. 13, T. 15 S., R. 21 E., 5 miles above Trapper Creek and 10 miles south of Oakley.

Records available.- April 1911 to September 1916, March 1919 to September 1936.

Average discharge.- 13 years (1911-14, 1926-36), 40.5 second-feet.

Extremes.- Maximum discharge during year, 217 second-feet Apr. 27, 28, 30; maximum gage height, 3.61 feet Apr. 27; no flow Oct. 1-3.
1911-16, 1919-36: Maximum discharge, 670 second-feet May 18, 1921; maximum gage height,(ice affected), 5.6 feet Feb. 21, 1927; no flow July 22 to Aug. 10, Aug. 22-30, 1934, Aug. 15 to Oct. 3, 1935.

Remarks.- Records good except those for Oct. 31 to Nov. 12, Nov. 24-26, Dec. 6-10, Dec. 15 to Mar. 16, Apr. 6-11, which are fair and were estimated on basis of weather and Oakley Reservoir records. Discharge interpolated Oct. 22-24, Nov. 19, 30, Dec. 1-3, Mar. 23, 30, 31. Irrigation diversions above station; flow of artesian well (completed in 1935) enters below. Practically entire flow passing station is stored in Oakley Reservoir. Gage-height record furnished by Oakley Canal Co.

Rating tables, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 26)

Mar. 17 to Apr. 25				Apr. 27 to Sept. 30			
1.8	17.5	2.8	104	1.4	4.4	2.6	85
2.0	30.5	3.0	127	1.6	9.2	2.8	109
2.2	46.0	3.2	152	1.8	17.5	3.0	135
2.4	63.5	3.4	178	2.0	30.5	3.2	161
2.6	83	3.6	206	2.2	46.0	3.4	189
				2.4	64	3.6	217

Discharge, 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	10	14			25	34	203	73	9.2	8.7	6.4
2	0	10	14			25	30	185	97	8.7	8.2	6.6
3	0.5	10	14			25	35	168	97	7.6	26	6.4
4	1.2	10	14			25	38	165	89	6.2	27	6.6
5	1.3	10	16			25	39	167	81	5.3	28	7.6
6	1.5	14	18			25	40	181	70	4.8	14	8.9
7	1.9	14	18			25	40	190	71	4.4	10	8.9
8	2.0	14	18			25	44	176	74	4.4	8.7	8.7
9	2.3	14	18			25	48	154	86	6.2	7.6	8.4
10	2.4	14	18			25	51	142	76	7.6	7.1	7.6
11	2.9	14	16			30	55	132	62	9.9	15	7.4
12	2.7	14	19			30	59	130	57	12	17	6.9
13	3.2	13	14			30	69	138	41	15	16	6.2
14	3.9	14	14			30	81	139	40	14	28	5.7
15	5.0	14	14			30	93	142	38	12	72	6.2
16	5.8	14	14			30	105	142	35	11	32	6.9
17	5.8	16	14			40	119	132	33	11	22	7.6
18	6.5	16	14			40	132	123	17	8.4	23	7.9
19	6.5	16	14			40	152	131	17	8.2	19	8.2
20	6.5	16	16			40	169	119	19	8.9	15	8.4
21	6.5	16	16			42	174	119	19	9.9	13	8.7
22	7.0	16	16			42	185	117	17	9.9	12	8.9
23	7.4	19	16			40	192	116	14	9.9	10	8.7
24	7.9	16	16			38	199	102	14	9.2	9.2	8.2
25	8.4	16	16			41	206	92	16	8.4	8.4	8.2
26	8.8	16	16			39	212	83	15	7.4	7.9	8.2
27	8.8	18	16			29	217	78	14	7.4	7.9	7.9
28	9.2	16	16			28	217	75	12	7.1	7.6	8.7
29	8.8	14	16			28	210	71	10	7.1	6.9	8.9
30	9.2	14	16			30	217	65	9.2	7.1	6.4	9.2
31	10.0	-	16			32	-	60	-	7.4	6.6	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	153.9	10	0	4.96	305
November	428	19	10	14.3	849
December	487	19	14	15.7	966
Calendar year 1935	8,041.5	93	0	22.0	15,950
January	558	-	-	18.0	1,110
February	580	-	-	20.0	1,150
March	979	42	25	31.6	1,940
April	3,462	217	30	115	6,870
May	4,037	203	60	130	8,010
June	1,313.2	97	9.2	43.8	2,600
July	265.6	15	4.4	8.57	527
August	500.2	72	6.4	16.1	992
September	233.1	9.2	5.7	7.77	462
Water year 1935-36	12,997.0	217	0	35.5	25,780

Oakley Reservoir near Oakley, Idaho

Location.- Staff gage immediately above right abutment of dam on Goose Creek, lat. 42° 12', long. 113°55', in sec. 19, T. 14 S., R. 22 E., 4 miles southwest of Oakley.

Records available.- October 1912 to September 1936.

Extremes.- Maximum contents observed, 21,300 acre-feet June 15 (gage height, 73.5 feet); minimum, 711 acre-feet Oct. 1 (gage height, 13.36 feet).

1913-36: Maximum contents, 74,600 acre-feet June 15, 1921 (gage height, 136.2 feet); reservoir drained at close of season 1915, 1919, 1920, 1926, and 1933.

Remarks.- Zero of gage corresponds to elevation of bottom of diversion tunnel and zero capacity. Gage height 136.0 feet corresponds to elevation of crest of spillway and 74,350 acre-feet capacity. Water is used for irrigation of lands along Goose Creek in Oakley Canal Co. project. Gage-height record and table of storage capacity furnished by Oakley Canal Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	711	1,620	2,740	4,080	5,730	7,400	10,700	16,300	19,500	16,900	9,640	7,040
2	-	-	-	-	-	-	10,700	-	-	-	9,530	-
3	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	19,800	-	-	6,350
5	-	-	-	-	-	-	-	-	-	16,600	-	-
6	-	-	-	-	-	-	-	-	20,200	-	-	-
7	-	-	-	-	-	-	-	17,800	20,300	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	6,500
9	-	-	-	-	-	-	-	-	20,600	-	9,020	-
10	-	-	-	-	-	-	-	-	-	-	8,950	-
11	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	18,500	-	14,100	-	5,680
13	-	-	-	-	-	-	-	-	-	-	-	-
14	-	-	-	-	-	-	-	-	-	-	-	-
15	1,390	2,010	3,410	4,850	6,350	8,980	11,900	18,700	21,300	13,300	8,810	5,810
16	-	-	-	-	-	-	-	-	-	-	-	-
17	-	-	-	-	-	-	-	-	-	-	8,930	-
18	-	-	3,380	-	-	-	-	-	-	-	-	-
19	-	-	-	-	-	-	-	-	-	11,900	-	-
20	-	-	-	-	-	-	13,600	-	-	-	-	-
21	-	-	-	-	-	-	-	-	20,000	-	-	-
22	-	-	-	-	-	-	-	19,500	19,700	-	-	4,970
23	-	-	-	-	-	-	14,600	19,600	-	11,200	-	-
24	-	-	-	-	-	-	14,900	-	-	-	8,950	-
25	-	-	-	-	-	-	15,100	19,700	-	-	-	-
26	1,280	-	-	-	-	-	-	-	-	10,700	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	17,900	-	-	-
29	-	-	-	-	-	-	16,200	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	7,680	3,770
31	-	-	-	-	-	-	-	-	-	-	-	-

Trapper Creek near Oakley, Idaho

Location.- Water-stage recorder, lat. 42°10', long. 113°59', in sec. 34, T. 14 S., R. 21 E., 4 miles above Oakley Dam and 7 miles southwest of Oakley.

Records available.- May 1911 to September 1916, March 1919 to September 1936.

Average discharge.- 12 years (1911-12, 1913-14, 1926-36), 13.3 second-feet.

Extremes.- Maximum discharge during year, 57 second-feet Aug. 14 (gage height, 5.30 feet); minimum, 3.2 second-feet Dec. 15 (gage height, 4.61 feet).

1911-16, 1919-36: Maximum discharge observed, 98 second-feet May 28, June 8, 1921; a higher flow may have occurred during cloudburst about midnight Aug. 15, 1931; minimum discharge probably occurs during the winter.

Remarks.- Records good. Discharge Oct. 3-8, Nov. 4, 5, Dec. 19 to Mar. 12, Aug. 15, 16 computed on basis of weather, Oakley Reservoir, and Goose Creek records. Few small diversions above station; flow of additional artesian well (completed during the year) enters above. Practically entire flow passing gage is stored in Oakley Reservoir. Gage-height record furnished by Oakley Canal Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.9	9.0	9.4			10	10	*40	42	16	11	9.4
2	6.5	9.4	9.4			10	10	*41	38	16	11	10
3	7.0	9.4	9.0			10	10	*41	36	15	12	11
4	7.0	9.0	9.0			10	10	*42	33	14	11	11
5	7.0	9.0	9.0			10	9.4	*42	30	14	11	11
6	7.5	9.4	9.0			10	9.4	42	28	14	9.4	11
7	7.5	9.4	9.0			10	*11	*42	30	14	9.4	10
8	8.0	9.4	9.0			10	13	*42	31	14	10	9.4
9	8.6	9.9	9.0			10	14	*42	29	14	10	9.4
10	8.1	9.4	9.0			10	15	*43	27	14	11	9.4
11	8.1	9.0	9.0			10	18	*43	25	14	11	9.4
12	8.6	9.0	9.0			10	20	43	22	13	12	9.0
13	9.0	9.0	9.0			11	23	47	22	12	12	9.4
14	9.0	9.0	9.0			11	25	*47	21	12	14	9.4
15	9.4	9.0	7.3			10	27	*47	20	12	15	9.4
16	9.4	9.0	6.9			10	31	*47	*20	12	14	9.4
17	8.6	9.0	7.7			10	36	*47	21	12	11	9.4
18	9.0	9.0	7.7			11	37	*47	22	12	10	9.4
19	8.6	8.6	8.0			11	42	*47	22	11	9.4	9.4
20	8.6	8.6	9.0			12	39	47	20	11	10.0	9.4
21	9.0	9.0	9.0			13	39	*43	20	11	9.4	9.0
22	9.0	9.0	9.0			13	43	39	19	11	9.0	9.4
23	8.6	9.0	9.0			12	*44	*36	18	12	8.6	9.4
24	8.6	9.4	9.0			12	*44	*38	20	11	9.4	10
25	8.6	9.4	9.0			12	45	*37	20	11	9.4	9.4
26	8.6	9.4	9.0			11	*44	*37	18	9.4	9.4	10
27	8.6	9.0	9.0			11	*42	36	18	9.4	9.4	10
28	8.1	9.0	9.0			*11	*41	36	18	11	9.4	10
29	8.1	9.0	9.0			*11	40	36	18	9.4	9.4	9.4
30	8.6	9.0	9.0			11	*40	35	18	13	10	9.4
31	9.0	-	9.0			11	-	36	-	11	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	257.2	9.4	6.5	8.30	510
November	273.7	9.9	8.6	9.12	543
December	272.4	9.4	6.9	8.79	540
Calendar year 1935	3,572.4	19	5.6	9.79	7,080
January	279	-	-	9.0	553
February	290	-	-	10	575
March	334	13	10	10.8	662
April	831.8	45	9.4	27.7	1,650
May	1,290	47	35	41.6	2,560
June	726	42	18	24.2	1,440
July	385.2	16	9.4	12.4	764
August	327.6	15	8.6	10.6	650
September	291.2	11	9.0	9.71	578
Water year 1935-36	5,558.1	47	6.5	15.2	11,020

*Interpolated.

P. A. Lateral near Milner, Idaho

Location.- Staff gage, lat. 42°32', long. 114°1', in sec. 22, T. 10 S., R. 21 E., 600 feet below pumping station and 2½ miles northeast of Milner.

Records available.- April 1919 to September 1936.

Extremes.- Maximum discharge during year, 62 second-feet on many days; no flow on many days.

1919-36: Maximum discharge, 64 second-feet May 11-13, 1920, and July 11-12, 19-29, 1932; no flow on many days.

Remarks.- Records excellent. Flow regulated by operation of pumping plant, which lifts water from Snake River for irrigation in North Side Twin Falls tract.

Discharge, 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	21	62	62	62	60
2		0					0	29	62	62	62	60
3		0					0	41	62	62	62	62
4		0					0	56	62	62	62	62
5		0					0	56	62	62	62	62
6		0					0	56	62	62	62	62
7		0					0	44	62	62	62	62
8		0					0	56	60	62	62	62
9		0					0	56	55	62	62	62
10		0					0	56	52	62	62	62
11		4					0	60	52	62	62	62
12		17					0	60	52	62	62	62
13		13					0	60	52	62	62	62
14		0					0	60	52	62	62	61
15		0					0	60	52	62	62	61
16		0					0	60	56	62	62	61
17		0					0	60	61	62	62	61
18		0					0	60	61	62	61	57
19		0					0	61	61	62	60	56
20		0					0	61	61	62	60	56
21		0					0	61	62	62	60	56
22		0					0	61	62	62	60	56
23		0					0	61	62	62	60	53
24		0					0	61	61	62	60	56
25		0					0	61	61	62	60	56
26		0					0	61	62	62	60	56
27		0					0	62	62	62	60	56
28		0					0	62	62	62	60	51
29		0					0	62	62	62	60	51
30		0					15	62	62	54	60	13
31		-					-	62	-	62	60	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	34	17	0	1.1	67
December	0	0	0	0	0
Calendar year 1935	8,503	62	0	23.3	16,870
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	15	15	0	0.5	30
May	1,749	62	21	56.4	3,470
June	1,779	62	52	59.3	3,530
July	1,914	62	54	61.7	3,800
August	1,895	62	60	61.1	3,760
September	1,719	62	13	57.3	3,410
Water year 1935-36	9,105	62	0	24.9	18,070

Milner Low Lift Canal near Milner, Idaho

Location.- Water-stage recorder, lat. 42°31', long. 114°1', in sec. 32, T. 10 S., R. 21 E., 600 feet below head of canal and 1½ miles south of Milner.

Records available.- June 1921 to September 1936.

Extremes.- Maximum discharge during year, 174 second-feet July 7; no flow on many days.
1921-36: Maximum discharge, that of July 7, 1936; no flow on many days.

Remarks.- Records excellent. Discharge Aug. 24 to Sept. 3 estimated from pumpage records. Flow controlled by operation of pumping plant, which lifts water from Snake River above Milner Dam for irrigation of 8,000 acres of land in Milner Low Lift irrigation district.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	109	152	152	147	125
2							0	127	152	152	134	125
3							0	127	152	151	90	125
4							0	126	154	152	146	125
5							0	125	155	152	149	125
6							0	93	154	150	150	125
7							0	103	154	174	150	125
8							0	153	144	172	152	126
9							0	155	130	169	154	126
10							0	156	128	170	151	127
11							0	156	129	170	150	127
12							0	156	127	170	141	127
13							0	156	128	169	62	127
14							0	150	126	128	124	127
15							0	155	128	157	124	127
16							0	155	128	170	124	127
17							0	154	128	170	124	127
18							0	155	132	171	125	100
19							0	156	143	170	124	100
20							0	154	150	170	121	100
21							0	153	150	169	124	100
22							0	153	151	169	126	92
23							19	154	147	169	124	78
24							29	153	148	169	124	80
25							44	152	151	169	124	78
26							56	152	110	169	124	78
27							65	151	63	171	124	79
28							80	152	152	172	124	78
29							84	152	152	172	124	79
30							106	152	152	171	124	79
31							-	152	-	168	109	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	16,622	128	0	45.5	0
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	483	106	0	16.1	958
May	4,497	156	93	145	8,920
June	4,170	155	63	139	8,370
July	5,107	174	128	165	10,130
August	3,993	154	62	129	7,920
September	3,264	127	78	109	6,470
Water year 1935-36	21,514	174	0	58.8	42,770

Gooding Canal at Milner, Idaho

Location.- Water-stage recorder on Milner-Gooding Canal in SW¼ sec. 7 and staff gages on North Side Canal Co. diversion in secs. 18 and 19, T. 10 S., R. 21 E., about 3 miles below head gates, which are in sec. 28, T. 10 S., R. 21 E., lat. 42°31', long. 114°1'.

Records available.- May 1930 to September 1936.

Extremes.- Maximum discharge during year, 2,270 second-feet July 29-31; no flow on many days.
1930-36: Maximum discharge, that of July 29-31, 1936; no flow on many days.

Remarks.- Records good. Gooding Canal diverts water from Snake River for Milner-Gooding project of U. S. Bureau of Reclamation and in part for North Side Canal Co. project. The latter project also receives water through North Side Twin Falls Canal and P. A. Lateral. Records are computed by combining discharges of Milner-Gooding diversion and North Side Canal Co. diversions below their division point and adding thereto 15 to 25 second-feet for loss from head gates to division point.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	450	540				0	125	635	1,950	2,050	2,260	1,820
2	480	510				0	150	637	1,950	2,050	2,200	1,790
3	477	437				0	150	710	1,940	2,030	2,180	1,780
4	485	147				0	150	1,190	1,950	2,060	2,160	1,780
5	465	0				0	125	1,410	1,950	2,080	2,150	1,780
6	160	0				0	120	1,480	1,950	2,100	2,130	1,780
7	406	0				0	120	1,550	1,950	2,170	2,110	1,770
8	406	0				0	125	1,600	1,950	2,220	2,100	1,770
9	510	0				0	68	1,600	1,950	2,230	2,100	1,760
10	720	0				0	80	1,630	1,950	2,230	2,100	1,750
11	730	0				0	374	1,750	1,950	2,200	2,100	1,740
12	670	0				0	449	1,780	1,950	2,240	2,070	1,750
13	600	0				0	444	1,790	1,950	2,240	2,050	1,730
14	550	0				0	373	1,790	1,950	2,240	2,050	1,750
15	525	0				0	417	1,880	1,950	2,240	2,020	1,760
16	640	0				0	492	1,880	1,950	2,240	1,980	1,740
17	690	0				0	492	1,880	1,950	2,240	1,970	1,760
18	650	0				0	246	1,900	1,940	2,240	1,960	1,730
19	640	0				0	0	1,890	1,940	2,240	1,950	1,710
20	640	0				0	0	1,920	1,950	2,250	1,940	1,710
21	640	0				0	0	1,930	1,940	2,250	1,950	1,710
22	640	0				0	0	1,940	1,950	2,240	1,950	1,690
23	640	0				0	0	1,950	1,960	2,250	1,950	1,680
24	620	0				0	0	1,970	1,950	2,250	1,950	498
25	620	0				0	0	1,960	1,990	2,240	1,960	0
26	620	0				0	0	1,940	2,010	2,250	1,950	0
27	600	0				50	0	1,930	2,000	2,250	1,960	0
28	640	0				50	0	1,930	2,020	2,240	1,970	0
29	650	0				60	330	1,920	2,050	2,270	1,970	0
30	700	0				60	650	1,970	2,050	2,270	1,920	0
31	587	-				50	-	1,950	-	2,270	1,840	-

Month	Gooding Canal					Distribution (Acre-feet)	
	Second-foot days	Maximum	Minimum	Mean	Acre-feet	To Milner-Gooding project	To North Side Canal Co. project
October	17,861	730	160	576	35,430	470	34,960
November	1,634	540	0	54.5	3,240	3,240	0
December	0	0	0	0	0	0	0
Calendar year 1935	270,146	2,210	0	740	535,800	251,300	284,500
January	0	0	0	0	0	0	0
February	0	0	0	0	0	0	0
March	270	60	0	8.7	536	0	536
April	5,480	650	0	183	10,870	1,940	8,930
May	52,292	1,970	635	1,687	103,720	66,450	37,270
June	58,890	2,050	1,940	1,963	116,800	72,950	43,850
July	68,370	2,270	2,030	2,205	135,610	83,090	52,520
August	62,950	2,260	1,840	2,031	124,860	68,810	56,050
September	40,738	1,820	0	1,358	80,600	39,020	41,780
Water year 1935-36	308,485	2,270	0	843	611,900	336,000	275,900

North Side Twin Falls Canal at Milner, Idaho

Location.- Water-stage recorder, lat. 42°32', long. 114°1', in sec. 20, T. 10 S., R. 21 E., half a mile north of Milner and three-quarters of a mile below head gates at Milner Dam.

Records available.- May 1909 to September 1936.

Extremes.- Maximum discharge during year, 3,160 second-feet May 30 (gage height, 8.75 feet); no flow on many days.
1909-36: Maximum discharge, 3,200 second-feet July 5-7, 29-31, 1921, May 15, 1928, June 2, July 23, 1929; no flow on many days.

Remarks.- Records excellent. Flow controlled by operation of head gates. Water diverted by this canal and P. A. Lateral and part of that diverted by Gooding Canal, all at Milner, is used for irrigation of 170,000 acres of land under North Side Canal Co. system.

Discharge, 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	604	431	437	479	40	0	2,370	2,830	2,830	2,490	2,080
2	0	548	434	434	488	32	0	2,410	2,810	2,790	2,460	2,060
3	0	563	452	434	497	113	0	2,510	2,800	454	2,460	2,060
4	0	557	461	437	491	170	0	2,350	2,800	0	2,450	2,040
5	0	506	452	434	479	168	0	2,040	2,760	0	2,420	2,010
6	0	491	452	437	464	197	0	2,120	2,740	1,230	2,380	2,020
7	0	494	452	428	467	216	0	2,240	2,540	2,650	2,330	1,990
8	0	479	449	440	458	204	0	2,280	2,230	2,680	2,350	1,910
9	0	470	449	440	458	197	0	2,360	2,150	2,660	2,360	1,840
10	0	479	449	440	458	232	0	2,460	2,150	2,640	2,370	1,840
11	0	482	446	446	443	344	0	2,530	2,160	2,590	2,360	1,840
12	0	479	437	443	422	446	0	2,590	2,200	2,630	2,340	1,830
13	0	476	446	437	413	527	0	2,690	2,230	2,620	2,340	1,560
14	0	473	446	437	401	533	0	2,710	2,230	2,610	2,330	1,180
15	0	473	446	440	392	542	0	2,670	2,240	2,600	2,310	1,150
16	0	473	446	425	374	560	0	2,670	2,260	2,600	2,280	1,060
17	0	476	443	398	386	512	0	2,730	2,430	2,660	2,030	979
18	0	473	443	386	404	527	275	2,770	2,490	2,740	2,080	950
19	0	464	449	374	383	607	655	2,740	2,620	2,720	2,170	909
20	0	437	449	368	374	684	740	2,800	2,670	2,710	2,150	976
21	0	443	449	404	302	651	833	2,780	2,730	2,710	2,160	815
22	0	446	449	437	226	671	946	2,650	2,780	2,690	2,130	829
23	0	446	449	440	109	658	1,130	2,730	2,780	2,690	2,100	836
24	0	443	449	440	111	648	1,290	2,770	2,790	2,700	2,120	1,310
25	0	437	449	446	94	651	1,440	2,770	2,800	2,680	2,150	1,240
26	0	434	446	446	115	591	1,560	2,760	2,820	2,700	2,150	1,240
27	0	434	446	443	64	655	1,630	2,820	2,790	2,680	2,160	1,180
28	0	437	446	458	64	563	1,800	2,830	2,740	2,660	2,110	1,120
29	0	431	440	470	62	314	2,080	2,830	2,800	2,620	2,120	1,100
30	0	431	443	470	-	33	2,280	2,890	2,820	2,580	2,120	995
31	409	-	440	473	-	4	-	2,810	-	2,520	2,110	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	409	409	0	13.2	811
November	14,279	604	431	476	28,320
December	13,838	461	431	446	27,450
Calendar year 1935	349,302	2,600	0	957	692,800
January	13,442	473	368	434	26,660
February	9,878	497	62	341	19,590
March	12,290	684	4	396	24,380
April	16,659	2,280	0	555	33,040
May	80,680	2,890	2,040	2,603	160,000
June	77,190	2,830	2,150	2,573	153,100
July	73,644	2,830	0	2,376	146,100
August	69,890	2,490	2,030	2,255	138,600
September	42,849	2,080	815	1,428	84,990
Water year 1935-36	425,048	2,890	0	1,165	843,000

South Side Twin Falls Canal at Milner, Idaho

Location.- Water-stage recorder, lat. 42°31', long. 114°1', in sec. 29, T. 10 S., R. 21 E., 700 feet below head gates at Milner.

Records available.- May 1909 to September 1936.

Extremes.- Maximum discharge during year, 3,620 second-feet July 18 (gage height, 10.28 feet); minimum (estimated), 45 second-feet Apr. 3-7.
1909-36: Maximum discharge, 4,600 second-feet Aug. 12, 1918; no flow Sept. 20, 1920.

Remarks.- Records excellent. Discharge estimated from gate openings Jan. 25 to Feb. 24, Mar. 30 to Apr. 7. Flow controlled by operation of head gates. South Side Twin Falls Canal diverts water from Snake River at Milner Dam for irrigation of 202,000 acres of land in Twin Falls County.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,460	707	589	589		436	62	2,960	3,590	3,530	3,560	3,510
2	1,560	331	589	592	481	436	50	3,000	3,550	3,530	3,550	3,480
3	1,580	106	586	595		439	45	3,000	3,500	3,550	3,570	3,520
4	1,580	501	589	583		436	45	3,080	3,390	3,570	3,590	3,400
5	1,570	787	569	577		431	45	3,070	3,340	3,550	3,610	3,200
6	1,570	787	595	556		431	45	3,150	3,330	3,570	3,600	3,110
7	1,560	468	589	568		431	45	3,130	3,260	3,530	3,600	2,890
8	1,570	148	586	556	472	431	96	3,140	2,980	3,560	3,590	2,790
9	1,580	162	580	562		518	349	3,180	2,770	3,550	3,590	2,970
10	1,570	150	583	568		571	879	3,190	2,710	3,550	3,590	2,880
11	1,540	502	580	589		571	1,040	3,220	2,820	3,530	3,590	2,820
12	1,520	742	595	577		580	1,010	3,280	2,900	3,560	3,570	2,770
13	1,530	812	595	565		571	1,000	3,510	2,810	3,540	3,580	2,770
14	1,440	855	586	565		571	852	3,550	2,760	3,490	3,570	2,660
15	1,350	862	574	452		565	745	3,540	2,770	3,500	3,570	2,530
16	1,250	742	571	334	379	565	296	3,550	2,840	3,560	3,570	2,170
17	1,140	640	562	449		574	233	3,560	3,110	3,610	3,550	1,990
18	1,010	637	562	518		512	378	3,570	3,360	3,620	3,500	1,980
19	958	631	577	526		490	61	3,550	3,420	3,590	3,510	1,830
20	954	625	592	520		544	58	3,580	3,520	3,590	3,500	1,760
21	937	619	592	470	200	550	55	3,590	3,560	3,590	3,520	1,630
22	903	613	589	476	100	556	263	3,570	3,550	3,570	3,500	1,560
23	879	607	586	478	100	610	1,440	3,590	3,590	3,570	3,520	1,600
24	816	610	586	481	100	649	2,900	3,600	3,590	3,570	3,520	1,670
25	790	601	586		254	649	2,530	3,570	3,580	3,590	3,570	1,650
26	748	595	589		325	652	2,130	3,580	3,550	3,610	3,550	1,720
27	713	539	589	481	361	758	2,280	3,600	3,530	3,590	3,560	1,720
28	713	484	595		387	832	2,600	3,590	3,520	3,570	3,560	1,730
29	710	592	583		415	622	2,770	3,580	3,530	3,580	3,550	1,670
30	710	592	598		-	190	2,850	3,570	3,530	3,580	3,550	1,620
31	716	-	610		-	75	-	3,590	-	3,570	3,530	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	36,927	1,580	710	1,191	73,240
November	17,046	862	106	568	33,810
December	18,172	610	562	586	36,040
Calendar year 1935	598,592	3,480	106	1,640	1,187,000
January	16,113	595	334	520	31,960
February	10,965	-	-	378	21,750
March	16,246	832	75	524	32,220
April	27,152	2,900	45	905	53,860
May	105,240	3,600	2,960	3,395	208,700
June	98,260	3,590	2,710	3,275	194,900
July	110,470	3,620	3,490	3,560	219,100
August	110,290	3,610	3,500	3,558	218,800
September	71,500	3,520	1,560	2,383	141,800
Water year 1935-36	638,381	3,620	45	1,744	1,266,000

Rock Creek near Twin Falls, Idaho

Location.- Water-stage recorder, lat. 42°36', long. 114°32', on south line of sec. 36, T. 9 S., R. 16 E., at highway bridge 3 miles above mouth and 3½ miles northwest of Twin Falls.

Records available.- March 1922 to September 1936.

Average discharge.- 14 years, 214 second-feet.

Extremes.- Maximum discharge during year, 861 second-feet Feb. 21 (gage height, 3.66 feet); minimum, 96 second-feet Apr. 2, 6 (gage height, 0.41 foot).
1922-36: Maximum discharge, 984 second-feet Sept. 21, 1927 (gage height, 4.5 feet, from high-water marks); minimum, 94 second-feet Mar. 22, Apr. 1-3, 11, 12, 1935.

Remarks.- Records good except those estimated for Jan. 8, 9, 15-21, 27-29, Feb. 5-9, 14-16, 25, 26, which are poor. Normal summer flow entirely diverted for irrigation several miles upstream. Waste water from South Side Twin Falls Canal, which crosses Rock Creek 10 miles above, causes appreciable changes in stage at times. Gage-height record furnished by Murtaugh Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	217	202	153	158	222	209	97	192	190	188	229	*267
2	224	204	*153	188	229	213	99	177	298	168	233	*272
3	231	194	153	180	204	211	106	171	312	186	233	278
4	226	186	153	240	206	204	108	171	358	186	231	281
5	226	211	154	213	230	204	101	178	338	192	229	281
6	*222	213	146	162	230	206	97	194	358	192	231	276
7	217	211	151	158	230	202	98	198	448	186	233	302
8	217	211	153	160	230	164	99	186	501	194	*236	273
9	215	202	151	170	230	162	101	169	555	204	*239	271
10	213	161	153	281	273	*162	101	159	555	204	242	276
11	220	153	*153	224	254	*161	109	154	514	*205	254	276
12	226	153	*152	180	278	161	113	150	488	*206	264	283
13	222	154	*152	184	448	162	113	154	474	*208	266	293
14	233	159	*151	229	300	161	113	156	461	209	271	295
15	231	168	*151	160	300	161	113	146	448	*208	278	290
16	220	171	*150	160	250	159	118	146	409	*206	278	290
17	209	173	150	160	264	161	125	153	328	*204	281	273
18	202	213	164	160	249	156	129	168	231	*203	271	259
19	204	209	224	160	276	153	132	*163	217	*202	264	254
20	206	209	215	160	340	153	145	*159	213	200	259	254
21	204	206	182	160	693	162	136	154	202	200	249	249
22	200	200	161	142	651	162	146	159	196	202	249	245
23	194	164	158	146	488	161	144	156	192	204	247	238
24	198	162	145	173	281	162	162	158	*193	202	247	247
25	202	161	140	222	200	162	514	158	*194	206	252	249
26	196	161	144	204	200	156	435	161	*195	209	247	245
27	194	159	144	200	142	162	217	161	*196	217	245	245
28	198	156	144	200	192	159	209	166	*197	*218	252	247
29	198	154	158	200	196	121	200	164	198	*220	257	254
30	196	158	159	188	-	107	196	164	196	*221	261	*250
31	198	-	159	200	-	106	-	173	-	222	261	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,559	233	194	212	13,010
November	5,438	213	153	181	10,790
December	4,676	224	140	157	9,670
Calendar year 1935	61,958	396	94	170	122,900
January	5,722	281	142	185	11,350
February	8,286	693	142	286	16,440
March	5,145	213	106	166	10,200
April	4,576	514	97	153	9,080
May	5,118	198	146	165	10,150
June	9,655	555	190	322	19,150
July	6,292	222	186	203	12,480
August	7,789	281	229	251	15,450
September	8,013	302	238	267	15,890
Water year 1935-36	77,469	693	97	212	153,700

*Interpolated.

Salmon Falls Creek near San Jacinto, Nev.

Location.- Water-stage recorder, lat. 41°57', long. 114°42', in sec. 23, T. 47 N., R. 64 E., in canyon 200 yards below highway bridge, 250 yards below mouth of Shoshone Creek, and 5 miles north of San Jacinto.

Records available.- September 1909 to September 1916, October 1918 to September 1936.

Average discharge.- 22 years (1910-16, 1919-20, 1921-36), 122 second-feet.

Extremes.- Maximum discharge during year, 796 second-feet Apr. 26 (gage height, 6.03 feet); minimum, 16 second-feet July 30 (gage height, 2.36 feet).

1909-16, 1919-36: Maximum discharge, 1,280 second-feet May 22, 1912 (gage height, 7.5 feet); minimum discharge, 9.8 second-feet Aug. 4, 1931; minimum gage height, 2.20 feet Sept. 7, 1934.

Remarks.- Records good. Discharge Dec. 18 to Jan. 11, Mar. 28-31, and Sept. 1-24 computed on basis of weather records. Numerous diversions for irrigation above station. Salmon Dam of Salmon River Canal Co., Ltd., 15 miles below station, forms a reservoir having a capacity of about 180,000 acre-feet. Gage-height record furnished by Salmon River Canal Co., Ltd.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	45	47	50	52	59	86	623	367	42	25	22
2	30	49	45	50	59	60	79	556	425	49	21	22
3	29	49	46	50	53	62	78	516	451	51	20	22
4	30	41	60	50	46	64	79	490	516	45	27	22
5	30	41	50	50	50	62	80	477	503	42	22	22
6	32	51	60	50	58	64	79	490	451	41	22	22
7	34	53	58	50	48	62	76	516	425	40	20	22
8	35	51	56	50	44	64	80	529	412	40	20	22
9	36	52	56	50	48	65	87	503	425	44	19	22
10	35	50	55	50	52	66	94	451	400	42	23	22
11	35	48	56	58	56	67	106	425	357	40	23	22
12	37	51	56	58	60	67	118	412	312	39	23	22
13	39	50	55	58	61	70	141	400	290	37	20	22
14	38	50	59	58	61	72	202	412	266	33	22	22
15	38	50	42	60	64	71	382	425	248	31	23	22
16	40	50	40	60	64	71	542	451	217	29	20	22
17	39	51	43	53	61	71	582	490	184	25	20	22
18	40	52	45	48	60	72	623	529	174	24	19	22
19	38	52	45	60	60	78	664	529	150	24	18	22
20	39	52	45	60	60	83	705	503	132	26	18	22
21	39	51	45	54	60	89	705	490	116	28	18	22
22	40	52	45	47	64	94	705	464	106	25	21	22
23	41	52	45	45	67	94	733	425	85	24	24	22
24	41	53	45	49	67	96	775	370	74	20	23	22
25	41	53	45	50	64	93	775	320	70	19	23	22
26	41	53	50	51	60	92	789	295	65	18	22	21
27	42	54	50	58	59	86	761	290	58	18	22	21
28	42	55	50	60	59	85	719	293	53	18	22	23
29	42	53	50	53	59	85	677	283	49	18	22	27
30	42	50	50	39	-	85	664	269	44	18	21	35
31	42	-	50	41	-	85	-	276	-	20	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,157	42	29	37.3	2,290
November	1,514	55	41	50.5	3,000
December	1,544	60	40	49.8	3,060
Calendar year 1935	39,259	569	14	108	77,850
January	1,620	60	39	52.3	3,210
February	1,676	67	44	57.8	3,320
March	2,334	96	59	75.3	4,630
April	12,186	789	76	406	24,170
May	13,502	623	269	436	26,780
June	7,425	516	44	248	14,730
July	970	51	18	31.3	1,920
August	665	27	18	21.5	1,320
September	677	35	21	22.6	1,340
Water year 1935-36	45,270	789	18	124	89,770

Salmon River Canal Co. Reservoir near Rogerson, Idaho

Location.- Staff gage attached to upstream face of concrete dam on Salmon Falls Creek, lat. 42°13', long. 114°44', in sec. 17, T. 14 S., R. 15 E., 10 miles west of Rogerson. Zero of gage is 4,990.0 feet above mean sea level.

Records available.- January 1922 to September 1936. Regulation began May 1910.

Extremes.- Maximum contents, 51,200 acre-feet June 17 (gage height, 31.2 feet); minimum, 3,715 acre-feet Oct. 1-6 (gage height, 2.9 feet).
1922-36: Maximum contents, 123,700 acre-feet May 30, 31, 1922 (gage height, 61.1 feet); minimum, 125 acre-feet Sept. 21 to Oct. 5, 1934 (gage height, 0.1 foot).

Remarks.- Reservoir has a capacity of 182,650 acre-feet between gage height 0.0 and 80.0 feet (4,990.0 and 5,070.0 feet, sea-level elevations). Water is used for irrigation of lands in Salmon River Canal Co. project. Gage-height record and table of storage capacity furnished by Salmon River Canal Co., Ltd.

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	3,715	4,525	5,538	7,358	9,968	12,500	16,120	37,620	40,860	36,970	14,020	6,010
2	3,715	4,592	5,538	7,430	10,040	12,640	16,280	38,730	41,500	36,970	13,080	5,942
3	3,715	4,660	5,605	7,575	10,110	12,710	16,350	39,750	42,150	36,880	12,570	5,942
4	3,715	4,728	5,672	7,648	10,110	12,780	16,420	40,580	42,900	36,880	12,570	6,010
5	3,715	4,728	5,740	7,720	10,180	12,930	16,500	41,410	43,800	36,880	12,640	6,010
6	3,715	4,728	5,808	7,865	10,260	13,080	16,650	42,340	44,800	35,860	12,640	6,010
7	3,782	4,795	5,875	7,938	10,330	13,150	16,800	43,100	45,700	34,660	12,640	6,010
8	3,850	4,862	6,010	8,010	10,400	13,220	16,880	44,100	46,400	33,360	12,570	6,010
9	3,850	4,930	6,078	8,082	10,480	13,290	17,020	45,100	47,200	32,070	12,570	6,010
10	3,850	4,998	6,145	8,155	10,550	13,360	17,100	46,100	47,900	30,850	11,640	6,010
11	3,850	5,065	6,280	8,228	10,620	13,510	17,250	46,800	48,700	29,660	10,690	6,010
12	3,850	5,132	6,348	8,300	10,690	13,580	17,400	46,800	49,300	28,470	9,750	6,010
13	3,850	5,200	6,348	8,372	10,840	13,730	17,550	47,000	49,700	27,280	8,880	6,010
14	3,850	5,268	6,415	8,445	10,910	13,800	17,700	46,800	50,100	26,430	8,445	6,010
15	3,985	5,335	6,482	8,735	10,980	13,880	18,000	46,800	50,400	25,410	8,518	6,010
16	3,985	5,402	6,482	8,808	11,060	14,020	18,460	46,700	50,800	24,390	8,445	5,942
17	3,985	5,470	6,550	8,880	11,130	14,100	19,340	46,500	51,200	23,370	7,865	5,942
18	3,985	5,470	6,550	8,952	11,270	14,180	20,220	46,400	50,500	22,520	7,430	5,942
19	4,052	5,538	6,550	9,025	11,420	14,320	21,420	46,300	49,800	21,500	6,995	5,942
20	4,120	5,605	6,550	9,170	11,490	14,400	22,690	46,100	49,000	21,020	6,550	5,875
21	4,120	5,672	6,622	9,242	11,640	14,550	23,880	45,900	48,100	21,020	6,280	5,808
22	4,120	5,740	6,695	9,315	11,710	14,620	25,240	45,700	47,000	21,020	6,145	5,808
23	4,120	5,470	6,768	9,388	11,850	14,700	26,600	45,400	45,800	21,020	6,145	5,808
24	4,255	5,200	6,840	9,460	12,000	14,920	27,880	45,000	44,500	21,020	6,145	5,808
25	4,255	5,200	6,840	9,532	12,070	15,080	29,240	44,700	43,200	21,020	6,145	5,808
26	4,255	5,268	6,918	9,532	12,220	15,220	31,020	44,200	42,060	20,060	6,078	5,808
27	4,390	5,335	6,995	9,605	12,350	15,300	32,070	43,500	40,860	18,940	6,078	5,740
28	4,390	5,402	7,068	9,678	12,420	15,450	33,550	42,800	39,560	17,920	6,078	5,740
29	4,390	5,470	7,140	9,895	12,420	15,680	34,940	42,240	38,540	16,950	6,010	5,740
30	4,458	5,538	7,212	9,968	-	15,820	36,320	41,600	37,530	15,980	6,010	5,740
31	4,458	-	7,285	9,968	-	15,980	-	40,950	-	15,000	6,010	-

Big Wood River at Hailey, Idaho

Location.- Water-stage recorder, lat. 43°31', long. 114°20', in SW¼ sec. 9, T. 2 N., R. 18 E., at steel highway bridge a quarter of a mile southwest of Hailey.

Drainage area.- 640 square miles.

Records available.- June 1915 to September 1936.

Average discharge.- 21 years, 280 second-feet.

Extremes.- Maximum discharge during year, 1,930 second-feet May 15 (gage height, 5.38 feet); minimum measured discharge, 0.56 second-foot Dec. 9.
1915-36: Maximum discharge, 3,560 second-feet June 12, 1921 (gage height, 8.66 feet, present datum); practically no flow Sept. 15-23, Nov. 20, 22, 23, 1931.

Remarks.- Records good. Discharge for Nov. 24-29, Dec. 5, 6, 10-31, Feb. 16 computed on basis of known local conditions. Water diverted around station by Hailey power plant and returned to river through Big Wood Slough. Total flow of river at Hailey (combined flow of Big Wood River and Big Wood Slough) is given in table on following page. Diversions for irrigation above station. One discharge measurement furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	1	1	1	1	1	718	1,320	229	9	7
2	4	2	1	1	1	1	1	718	1,260	226	8	7
3	4	2	1	1	1	1	1	745	1,120	215	9	6
4	4	2	1	1	1	1	1	855	1,030	204	9	6
5	4	2	1	1	1	1	1	970	940	196	9	6
6	4	2	1	1	1	1	1	910	910	190	9	6
7	4	2	1	1	1	1	1	800	1,180	150	9	6
8	4	2	1	1	1	1	2	772	1,180	128	8	6
9	4	2	1	1	1	1	2	800	1,000	128	8	5
10	4	1	1	1	1	1	3	910	882	126	8	5
11	4	1	1	1	1	1	5	1,090	855	116	13	5
12	4	1	1	1	1	1	42	1,290	855	114	38	5
13	4	1	1	1	1	1	170	1,400	910	107	36	5
14	4	1	1	1	1	1	305	1,630	828	111	29	5
15	4	1	1	1	1	1	388	1,800	828	103	24	5
16	4	1	1	1	1	1	486	1,510	800	100	22	5
17	3	1	1	1	1	1	635	1,260	745	143	20	5
18	3	1	1	1	1	1	855	1,120	718	81	19	4
19	3	1	1	1	1	1	970	1,090	718	76	17	4
20	3	1	1	1	1	1	1,030	1,000	718	71	13	4
21	3	1	1	1	1	2	1,060	855	690	65	9	4
22	2	1	1	1	1	2	1,120	718	665	64	9	4
23	2	1	1	1	1	2	1,220	665	640	51	9	4
24	2	1	1	1	1	2	1,260	665	635	16	8	4
25	2	1	1	1	1	2	1,120	772	615	11	8	4
26	2	1	1	1	1	2	970	882	468	10	8	3
27	2	1	1	1	1	2	882	970	440	9	8	3
28	2	1	1	1	1	2	800	1,060	372	9	8	3
29	2	1	1	1	1	2	745	1,150	309	9	7	3
30	2	1	1	1	-	1	745	1,090	238	9	6	3
31	2	-	1	1	-	1	-	1,150	-	9	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	99	4	2	3.2	196
November	39	2	1	1.3	77
December	31	1	1	1.0	61
Calendar year 1935	82,608	2,020	1	226	163,900
January	31	1	1	1.0	61
February	29	1	1	1.0	58
March	40	2	1	1.3	79
April	14,822	1,260	1	494	29,400
May	31,365	1,800	665	1,012	62,210
June	23,869	1,320	238	796	47,340
July	3,076	229	9	99.2	6,100
August	404	38	6	13.0	801
September	142	7	3	4.7	282
Water year 1935-36	73,947	1,800	1	202	146,700

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Combined discharge, in second-feet, of Big Wood River and Big Wood Slough at Hailey, Idaho, water year October 1935 to September 1936

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	118	128	104	106	113	111	106	864	1,480	389	163	129
2	120	153	100	120	122	109	100	864	1,410	389	171	130
3	118	146	109	111	107	106	120	889	1,260	372	187	133
4	120	114	106	122	111	115	117	1,020	1,170	351	167	134
5	120	127	109	120	122	111	109	1,140	1,080	338	154	138
6	118	148	113	102	111	113	109	1,070	1,060	326	147	144
7	116	141	113	95	101	115	120	950	1,350	319	141	142
8	116	134	116	106	101	109	127	917	1,340	318	133	136
9	116	132	117	117	106	111	134	957	1,160	317	130	133
10	118	124	115	128	104	91	147	1,080	1,050	310	130	131
11	116	115	109	124	122	91	199	1,270	1,020	294	159	130
12	123	122	128	117	117	122	259	1,460	1,020	290	268	128
13	129	137	115	126	120	104	371	1,570	1,080	279	242	121
14	136	113	100	106	113	109	498	1,800	988	283	218	126
15	131	115	113	124	109	113	570	1,960	988	269	200	128
16	129	135	85	117	104	109	673	1,660	952	259	190	128
17	128	142	93	120	102	111	823	1,400	890	239	185	128
18	130	135	98	109	113	113	1,030	1,260	859	235	182	125
19	130	126	111	124	113	106	1,140	1,230	786	226	171	122
20	133	126	111	124	111	115	1,200	1,140	743	210	159	119
21	137	126	111	121	122	127	1,230	1,000	726	203	155	119
22	125	128	111	121	117	121	1,290	866	693	202	154	127
23	118	135	111	121	122	112	1,390	812	660	202	153	126
24	118	124	111	111	111	110	1,430	813	651	212	144	126
25	129	106	113	106	109	105	1,280	934	633	193	142	125
26	127	111	117	98	106	110	1,140	1,050	529	179	141	128
27	125	120	115	104	104	112	1,050	1,130	508	174	140	133
28	107	124	113	115	104	127	962	1,220	457	167	138	134
29	141	113	111	128	104	123	898	1,300	417	169	133	133
30	116	106	115	113	-	104	893	1,230	398	168	133	134
31	118	-	111	98	-	128	-	1,290	-	169	132	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,826	141	107	123	7,590
November	3,806	153	106	127	7,550
December	3,404	128	85	110	6,750
Calendar year 1935	128,565	2,160	81	352	255,000
January	3,554	128	95	115	7,050
February	3,221	122	101	111	6,390
March	3,463	128	91	112	6,870
April	19,515	1,430	100	650	38,710
May	36,146	1,960	812	1,166	71,690
June	27,358	1,480	398	912	54,260
July	8,051	389	167	260	15,970
August	5,062	268	130	163	10,040
September	3,890	144	119	130	7,720
Water year 1935-36	121,296	1,960	85	331	240,600

Big Wood River near Bellevue, Idaho

Location.- Water-stage recorder, lat. 43°19', long. 114°21', in sec. 20, T. 1 S., R. 18 E., 1¾ miles above flow line of Magic Reservoir, 3 miles above Camas Creek, and 10 miles southwest of Bellevue.

Drainage area.- 823 square miles.

Records available.- July 1911 to September 1936 (no records during winters).

Extremes.- Maximum discharge during year, 1,300 second-feet May 15 (gage height, 3.31 feet); minimum discharge observed during period, 28 second-feet Mar. 30 to Apr. 7. 1911-36: Maximum discharge, 3,660 second-feet June 16, 1921 (gage height, 6.07 feet); minimum, 7 second-feet Apr. 14, 1932 (gage height, 1.10 feet).

Remarks.- Records good. Discharge for Apr. 8-12 computed on basis of weather records and records for nearby stations. No records Nov. 2 to Mar. 29. Numerous diversions for irrigation above station. Gage-height record and four discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	51	44					*28	621	761	100	73	49
2	51						*28	596	851	94	70	53
3	51						*28	596	707	94	70	57
4	51						*28	689	613	100	75	59
5	51						*28	806	504	105	73	59
6	51						28	815	472	105	70	55
7	51						28	707	680	102	66	55
8	47						30	638	888	97	57	57
9	47						33	630	833	94	57	55
10	47						40	689	638	97	55	53
11	47						110	788	562	94	55	51
12	47						180	879	520	94	55	51
13	47						250	984	520	90	55	53
14	*48						282	1,100	472	84	57	59
15	*48						*397	1,220	440	80	55	59
16	*48						*513	1,120	382	87	55	59
17	49						*628	870	298	84	51	59
18	49						*743	743	240	82	51	59
19	*48						*859	663	227	80	51	57
20	*48						974	571	236	77	51	55
21	*48						*1,010	464	214	77	53	55
22	*47						*1,050	367	200	77	53	55
23	*46						1,090	317	177	77	57	55
24	46						1,110	256	156	82	53	53
25	*45						1,010	256	140	82	53	51
26	*45						917	282	133	75	53	51
27	*44						824	374	122	70	55	51
28	*43						761	512	102	68	55	51
29	*43						698	588	82	68	53	51
30	42					28	689	554	87	73	53	51
31	*43					*28	-	579	-	77	51	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,469	51	42	47.4	2,910
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	14,394	1,110	28	480	28,550
May	20,274	1,220	256	654	40,210
June	12,257	888	82	409	24,310
July	2,666	105	68	86.0	5,290
August	1,791	75	51	57.8	3,550
September	1,638	59	49	54.6	3,250
Water year					

*Interpolated.

Magic Reservoir near Richfield, Idaho

Location.- Staff gage, lat. 43°15', long. 114°22', in NE¼SE¼ sec. 18, T. 2 S., R. 18 E., 18 miles northwest of Richfield. Observations are referred to an assumed datum which is about 137 feet lower than sea level.

Drainage area.- 1,500 square miles.

Records available.- February 1909 to September 1936. Prior to Apr. 4, 1909, gage-heights only. Practically no storage prior to July 14, 1909.

Extremes. Maximum contents during year, 191,300 acre-feet June 13, 14 (gage height, 4,934.95 feet); minimum, 15,390 acre-feet Oct. 1 (gage height, 4,857.15 feet).
1909-36: Maximum contents, 192,060 acre-feet May 18, 1927 (gage height, 4,935.14 feet); no storage for several days in 1909, 1919, 1920, 1924, 1928, and 1935.

Remarks.- Contents interpolated Oct. 19, 20, Jan. 5, June 15, 18. Water is stored in this reservoir for irrigation of about 69,000 acres of land under Carey Act project of the Big Wood Canal Co. Available capacity of the reservoir is about 191,000 acre-feet between gage heights 4,821.5 and 4,935.0 feet. Gage-height record furnished by water master for Big Wood and Little Wood Rivers.

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	15,390	18,600	18,770	21,670	25,190	28,090	31,310	150,700	181,700	178,500	139,600	109,000
2	15,490	18,690	18,880	21,790	25,190	28,230	31,310	156,900	182,200	177,400	138,300	108,300
3	15,590	18,770	19,000	21,910	25,260	28,300	31,460	158,900	182,600	176,100	137,100	107,500
4	15,690	18,880	19,110	22,040	25,390	28,440	31,530	161,000	183,000	174,800	136,000	106,800
5	15,790	19,000	19,220	22,160	25,520	28,510	31,600	163,000	183,400	173,500	134,800	106,000
6	15,950	19,110	19,330	22,280	25,590	28,580	31,750	166,400	183,600	172,600	133,600	105,300
7	16,100	19,220	19,440	22,380	25,720	28,650	31,900	167,600	183,800	171,500	132,600	104,600
8	16,200	19,330	19,520	22,470	25,790	28,720	32,050	169,400	184,500	170,300	131,600	104,000
9	16,300	19,440	19,620	22,590	25,920	28,790	32,120	170,800	186,400	169,000	130,600	103,300
10	16,400	19,520	19,730	22,770	25,990	28,930	32,270	172,100	188,400	167,800	129,900	102,500
11	16,510	19,650	19,840	22,900	26,120	29,000	32,650	173,300	189,500	166,700	129,100	101,800
12	16,610	19,790	19,930	23,020	26,260	29,140	33,020	175,200	190,500	165,500	128,000	101,100
13	16,720	19,440	20,020	23,140	26,460	29,220	33,710	176,400	191,300	164,100	127,200	100,300
14	16,820	18,770	20,100	23,270	26,520	29,290	34,950	177,900	191,300	163,000	126,200	99,620
15	16,930	18,050	20,140	23,400	26,660	29,430	37,080	179,400	191,200	161,800	125,200	98,890
16	17,030	17,350	20,290	23,560	26,790	29,500	40,040	181,100	191,100	160,600	124,100	98,170
17	17,110	17,190	20,390	23,710	26,860	29,570	45,200	182,600	190,900	159,500	123,300	97,460
18	17,170	17,320	20,450	23,840	26,990	29,710	53,030	183,800	190,400	158,300	122,200	96,740
19	17,300	17,460	20,510	23,970	27,060	29,750	61,260	184,500	189,900	156,900	121,000	96,030
20	17,440	17,620	20,520	24,030	27,130	29,860	71,400	184,700	189,500	155,600	120,000	95,440
21	17,570	17,730	20,560	24,090	27,200	29,930	83,970	184,700	189,200	154,300	119,200	94,850
22	17,620	17,840	20,560	24,090	27,270	30,070	96,980	184,500	188,000	153,000	118,300	94,150
23	17,680	17,940	20,690	24,280	27,400	30,150	109,300	184,100	187,200	151,500	117,400	93,450
24	17,780	18,050	20,820	24,280	27,470	30,290	119,500	183,800	186,200	150,200	116,300	92,750
25	17,890	18,160	20,840	24,410	27,610	30,440	126,900	183,200	185,300	148,900	115,400	92,060
26	18,000	18,270	20,950	24,540	27,680	30,510	132,800	182,600	184,500	147,500	114,300	92,060
27	18,110	18,350	21,070	24,610	27,820	30,650	135,700	182,100	183,400	146,200	113,400	92,170
28	18,220	18,490	21,190	24,670	27,890	30,800	139,800	181,900	182,200	145,000	112,600	92,170
29	18,330	18,550	21,310	24,740	28,020	30,940	143,800	181,900	180,900	143,800	111,700	92,290
30	18,400	18,660	21,430	24,870	-	31,020	147,500	181,700	179,600	142,400	110,800	92,290
31	18,510	-	21,550	25,060	-	31,160	-	181,500	-	141,000	109,800	-

Big Wood River below Magic Dam, near Richfield, Idaho

Location.- Water-stage recorder, lat. 43°14', long. 114°22', in sec. 18, T. 2 S., R. 18 E., half a mile below Magic Dam and 18 miles northwest of Richfield.

Records available.- April 1911 to September 1936.

Average discharge.- 24 years (1912-36), 376 second-feet.

Extremes.- Maximum discharge during year, 750 second-feet May 20-22, 27, July 31; maximum gage height, 4.04 feet May 20-22; minimum discharge, 3 second-feet Nov. 19, 20, 29, 30, Dec. 1 to Jan. 13; minimum gage height observed, 1.45 feet Dec. 10-16, 21.
1911-36: Maximum discharge, 5,070 second-feet May 18, 1911 (gage height, 9.2 feet); no flow reported Feb. 3, 1915.

Remarks.- Records good. Discharge interpolated Oct. 20, Dec. 8, 9, 17-20, Dec. 22 to Feb. 29, May 31. Numerous ranch diversions in upper drainage area. Flow completely regulated by gates at Magic Dam. Gage-height record and nine discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	5	3	3	4	5	5	12	693	682	721	466
2	6	5	3	3	4	5	5	165	682	682	704	461
3	6	5	3	3	4	5	5	300	671	682	682	452
4	6	5	3	3	4	5	5	221	660	682	649	433
5	6	5	3	3	4	5	5	206	622	687	611	415
6	6	5	3	3	4	5	5	294	590	687	580	406
7	6	5	3	3	5	5	5	329	549	704	554	406
8	6	5	3	3	5	5	5	325	424	710	544	397
9	6	5	3	3	5	5	5	325	21	715	544	402
10	6	5	3	3	5	5	5	342	22	710	554	411
11	6	5	3	3	5	5	6	411	29	676	559	424
12	6	123	3	3	5	5	6	480	170	676	544	429
13	6	367	3	3	5	5	6	564	483	676	539	429
14	6	424	3	4	5	5	6	601	616	676	539	429
15	6	429	3	4	5	5	6	601	622	687	544	429
16	6	193	3	4	5	5	6	611	611	710	549	429
17	6	4	3	4	5	5	6	627	616	721	524	433
18	6	4	3	4	5	5	6	638	622	721	514	433
19	6	3	3	4	5	5	6	682	616	721	490	429
20	6	3	3	4	5	5	6	750	616	721	480	415
21	6	4	3	4	5	5	6	750	633	721	495	415
22	6	4	3	4	5	5	7	715	649	721	504	443
23	6	4	3	4	5	5	8	699	660	721	514	447
24	5	4	3	4	5	5	8	699	660	721	519	443
25	5	4	3	4	5	5	9	710	660	704	519	163
26	5	4	3	4	5	5	9	721	660	704	519	14
27	5	4	3	4	5	5	9	750	665	704	504	14
28	5	4	3	4	5	5	10	721	699	710	499	14
29	5	3	3	4	5	5	10	721	704	721	495	13
30	5	3	3	4	-	5	11	721	693	721	490	13
31	5	-	3	4	-	5	-	707	-	750	471	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	179	7	5	5.8	355
November	1,643	429	3	54.8	3,260
December	93	3	3	3.0	184
Calendar year 1935	79,486	780	2	218	157,700
January	111	4	3	3.6	220
February	139	5	4	4.8	276
March	155	5	5	5.0	307
April	197	11	5	6.6	391
May	16,398	750	12	529	32,520
June	16,618	704	21	554	32,960
July	21,824	750	676	704	43,290
August	16,954	721	471	547	33,630
September	10,507	466	13	350	20,840
Water year 1935-36	84,818	750	3	232	168,200

Big Wood River above North Gooding Canal, near Shoshone, Idaho

Location.- Staff gage, lat. 43°6', long. 114°18', in sec. 10, T. 4 S., R. 18 E., 1 mile above North Gooding Canal, 13 miles below Magic Dam, and 14 miles northeast of Shoshone.

Records available.- April 1921 to September 1936.

Extremes.- 1921-36: Maximum discharge, 3,330 second-feet June 13, 1921 (gage height, 12.79 feet, former datum); no flow for long periods.

Remarks.- No flow during year ending Sept. 30, 1936. Numerous diversions for irrigation above station. Richfield and Lincoln Canals are main diversions between station and Magic Dam. Lincoln Canal, completed in spring of 1925, diverts all the flow, except during high water, around station on right bank to conserve channel losses in the natural stream bed. Flow regulated by diversions above and by operation of head gates at Magic Dam.

Big Wood River below North Gooding Canal, near Shoshone, Idaho

Location.- Staff gage, lat. 43°4', long. 114°18', in sec. 15, T. 4 S., R. 18 E., 300 yards below North Gooding Canal, 11 miles northeast of Shoshone, and 14 miles below Magic Dam.

Records available.- January 1911 to September 1936. No flow during 1929, 1931, 1934, 1935, and 1936.

Extremes.- 1911-36: Maximum discharge, 3,180 second-feet May 18, 1921 (gage height, 15.0 feet, former datum); no flow for long periods.

Remarks.- No flow during year ending Sept. 30, 1936. Numerous diversions above station. North Gooding, Richfield, and Lincoln Canals divert water between station and Magic Dam. Since completion of Lincoln Canal in 1925, which diverts 7 miles upstream, most of river flow has been diverted above station.

Big Wood River at Gooding, Idaho

Location.- Water-stage recorder, lat. 42°57', long. 114°43', in NE¼NE¼ sec. 31, T. 5 S., R. 15 E., 30 feet below highway bridge and half a mile north of Gooding.

Records available.- April 1921 to September 1936 (no records during winters). From June 1896 to October 1899 records were collected at station at approximately same site but known as "Malade River at Toponis, Idaho".

Extremes.- Maximum discharge during year, 410 second-feet Apr. 13 (gage height, 3.24 feet); probably no flow for long periods.
1921-36: Maximum discharge, 2,340 second-feet May 7, 1922 (gage height, 5.80 feet); no flow for long periods each year.

Remarks.- Records good. No records Oct. 1-8, Oct. 10 to Mar. 30. Numerous diversions for irrigation above and below station. Flow regulated by operation of gates at Magic Dam. Gage-height record and 13 discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	31	83	83	74	21
2							5	75	99	81	75	18
3							4	63	109	69	78	29
4							6	88	119	68	69	37
5							30	111	128	72	56	43
6							34	113	132	66	58	43
7							51	117	165	62	54	39
8							111	113	198	62	57	38
9							167	111	211	61	51	44
10							148	88	175	80	51	48
11							246	75	180	75	56	48
12							280	68	172	81	57	49
13							260	62	160	72	54	50
14							238	72	137	68	51	52
15							126	72	153	63	53	58
16							137	69	165	58	57	63
17							111	63	155	61	57	65
18							128	66	143	63	56	62
19							86	68	132	70	50	60
20							75	66	95	68	46	58
21							53	75	78	72	48	58
22							30	95	65	65	42	53
23							68	101	49	65	40	46
24							44	95	46	74	39	49
25							30	86	50	74	39	43
26							18	80	53	72	43	42
27							8	72	62	81	43	9
28							3	74	60	78	38	3
29							2	69	62	74	33	1
30							18	68	75	70	27	0
31						11	-	72	-	69	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April	2,545	280	2	84.8	5,050
May	2,478	117	31	79.9	4,920
June	3,511	211	46	117	6,960
July	2,177	83	58	70.2	4,320
August	1,578	78	26	50.9	3,130
September	1,229	65	0	41.0	2,440
The period					26,820

Big Wood River near Gooding, Idaho

Location.- Water-stage recorder, lat. 42°54', long. 114°48', in sec. 21, T. 6 S., R. 14 E., at Hudson Ranch (formerly Cleek Ranch), 2 miles downstream from bridge on Bliss-Gooding highway, 3½ miles downstream from Little Wood River, 5 miles above diversion dam for King Hill project, and 6 miles southwest of Gooding.

Records available.- March 1916 to September 1936 (no records during winters prior to 1936).

Extremes.- Maximum discharge during year, 918 second-feet Mar. 21 (gage height, 5.18 feet); no flow Oct. 1-23, Dec. 18-23.
1916-36: Maximum discharge, 3,680 second-feet Mar. 17, 1922 (gage height, 9.00 feet); no flow for long periods each year.

Remarks.- Records good. No records Nov. 4-7, 9-12, 15-19, 28-30, Dec. 1-3, 8, 9, 23-31, Jan. 1 to Feb. 29, Mar. 6-11. Diversions for irrigation above and below station. Flow regulated by storage reservoirs upstream. Gage-height record April to September and eight discharge measurements furnished by water master for Big Wood and Little Wood Rivers; gage-height record October to March and one discharge measurement furnished by North Side Canal Co., Ltd.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	47	-			4	16	23	51	46	56	14
2	0	53	-			7	15	135	72	43	76	8
3	0	44	-			7	17	124	87	28	87	25
4	0	-	6			6	22	116	95	26	79	34
5	0	-	7			13	122	122	101	43	59	45
6	0	-	10			-	72	124	100	40	56	48
7	0	-	34			-	114	140	149	34	44	40
8	0	4	-			-	281	97	250	31	36	20
9	0	-	-			-	430	95	236	34	27	19
10	0	-	46			-	345	72	201	60	27	12
11	0	-	54			-	563	46	167	56	31	12
12	0	-	48			226	606	30	175	57	40	16
13	0	38	35			247	621	23	160	59	39	20
14	0	66	26			143	591	28	143	53	29	25
15	0	-	46			117	494	31	146	44	24	20
16	0	-	17			116	392	32	146	32	26	46
17	0	-	7			199	345	27	134	29	30	61
18	0	-	0			248	322	29	102	30	22	65
19	0	-	0			345	204	30	88	33	22	45
20	0	42	0			334	172	32	55	43	22	44
21	0	41	0			535	152	38	28	45	19	47
22	0	42	0			310	116	63	22	40	17	35
23	0	40	-			152	117	83	15	33	14	20
24	4	39	-			90	135	72	11	33	12	19
25	17	40	-			55	97	60	10	42	10	20
26	17	38	-			30	51	43	10	36	14	23
27	13	37	-			36	31	33	16	43	27	41
28	18	-	-			93	34	32	26	51	25	36
29	15	-	-			136	42	21	26	44	19	56
30	19	-	-			50	20	20	33	45	16	40
31	26	-	-			34	-	22	-	46	14	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	131	28	0	4.2	260
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 12-31	3,496	535	30	175	6,930
April	6,539	621	15	218	12,970
May	1,845	140	20	59.5	3,660
June	2,860	250	10	95.3	5,670
July	1,281	60	26	41.3	2,540
August	1,021	e7	10	32.9	2,030
September	956	65	8	31.9	1,900
Water year					

Big Wood Slough at Hailey, Idaho

Location.- Water-stage recorder, lat. 43°31', long. 114°19'30", in sec. 9, T. 2 N., R. 18 E., at highway bridge an eighth of a mile northeast of steel highway bridge across Big Wood River and an eighth of a mile southwest of Hailey. Prior to Apr. 12, 1936, staff gage at same site and datum.

Records available.- June 1915 to September 1936.

Average discharge.- 21 years, 108 second-feet.

Extremes.- Maximum discharge during year, 277 second-feet Aug. 12 (gage height, 3.65 feet, from high-water mark); minimum, 7 second-feet June 25 (gage height, 0.95 foot).
1915-36: Maximum discharge observed, 419 second-feet June 6, 1921 (gage height, 3.00 feet); practically no flow May 8, 1931.

Remarks.- Records good. Discharge for Dec. 19-24, Jan. 21-25, Feb. 6-9, Aug. 12 computed on basis of weather records and records for other streams. Flow affected by load on power plant half a mile upstream. Big Wood Slough, a natural channel of Big Wood River, is utilized as a tailracefor the Hailey power plant half a mile upstream. This record added to the record of Big Wood River at Hailey, Idahe, shows total flow of river at this point. Two discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	114	126	103	105	112	110	105	146	156	160	154	122
2	116	151	99	119	121	108	99	146	148	163	163	123
3	114	144	108	110	106	105	119	144	140	157	178	127
4	116	112	105	121	110	114	116	166	144	147	158	128
5	116	125	108	119	121	110	108	172	145	142	145	132
6	114	146	112	101	110	112	106	162	147	136	138	138
7	112	139	112	94	100	114	119	150	168	169	132	136
8	112	132	115	105	100	108	125	145	157	190	125	130
9	112	130	116	116	105	110	132	157	164	189	122	128
10	114	123	114	127	103	90	144	166	164	184	122	126
11	112	114	108	123	121	90	194	177	164	178	146	125
12	119	121	127	116	116	121	217	175	165	176	230	123
13	125	136	114	125	119	103	201	168	169	172	206	116
14	132	112	99	105	112	108	193	170	160	172	189	121
15	127	114	112	123	108	112	182	165	160	166	176	123
16	125	134	84	116	103	108	187	151	152	159	168	123
17	125	141	92	119	101	110	188	144	145	96	165	123
18	127	134	97	108	112	112	178	138	141	154	163	121
19	127	125	110	123	112	105	171	136	68	150	154	118
20	130	125	110	123	110	114	169	141	25	139	146	115
21	134	125	110	120	121	125	170	146	36	138	146	115
22	123	127	110	120	116	119	166	148	28	138	145	123
23	116	134	110	120	121	110	169	147	20	151	144	122
24	116	123	110	110	110	108	169	148	16	196	136	122
25	127	105	112	105	108	103	163	162	18	182	134	121
26	125	110	116	97	105	108	166	165	61	169	133	125
27	123	119	114	103	103	110	165	158	68	165	132	130
28	105	123	112	114	103	125	162	157	85	158	130	131
29	139	112	110	127	103	121	153	146	108	160	126	130
30	114	105	114	112	-	103	148	139	160	159	127	131
31	116	-	110	97	-	127	-	144	-	160	125	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,727	139	112	120	7,390
November	3,767	151	105	126	7,470
December	3,373	127	84	109	6,690
Calendar year 1935	45,949	207	80	126	91,130
January	3,523	127	94	114	6,990
February	3,192	121	100	110	6,330
March	3,423	127	90	110	6,790
April	4,686	217	99	156	9,290
May	4,779	177	136	154	9,480
June	3,484	169	16	116	6,910
July	4,975	196	96	160	9,870
August	4,658	230	122	150	9,240
September	3,748	138	115	125	7,430
Water year 1935-36	47,335	230	16	129	93,880

Camas Creek near Blaine, Idaho

Location.- Water-stage recorder in sec. 15, T. 1 S., R. 16 E., a quarter of a mile north of Macon siding on Hill City branch of Oregon Short Line Railroad, 1½ miles below railroad bridge, 2¼ miles above backwater of Magic Reservoir, and 4 miles southeast of Blaine.

Drainage area.- 618 square miles.

Records available.- May 1912 to September 1936 (no records during winters). Discharge measurements only for 1922.

Extremes.- Maximum discharge during year, 7,490 second-feet Apr. 21 (gage height, 14.3 feet, from high-water mark); minimum discharge observed, 2.1 second-feet Oct. 4, 5, Aug. 22-30; minimum gage height, 0.94 foot Oct. 4, 5.

1912-36: Maximum discharge, that of Apr. 21, 1936; minimum discharge, 1.6 second-feet July 10, 11, 13, Aug. 25-29, 31, 1931, and Aug. 18-20, 1934 (gage height, 0.90 foot).

Remarks.- Records good. Discharge estimated Apr. 1, 2, 21; interpolated June 20-22. No record Nov. 21 to Mar. 31. Many small diversions above station. No regulation. Water passing station is used for storage in Magic Reservoir. Gage-height record and three measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.3	2.8					14	940	140	6.2	2.6	2.2
2	2.3	3.2					14	815	161	5.6	2.6	2.2
3	2.3	3.4					14	750	193	5.3	2.4	2.3
4	2.4	3.6					14	705	200	5.1	2.4	2.4
5	2.2	3.6					14	705	177	4.8	2.4	2.6
6	2.3	3.6					14	690	159	4.6	2.4	2.6
7	2.3	3.6					14	675	193	4.6	2.4	2.6
8	2.3	3.6					18	630	198	4.4	2.2	2.6
9	2.3	3.6					22	570	215	4.4	2.2	2.4
10	2.3	3.6					29	510	218	4.6	2.2	2.3
11	2.3	3.6					45	480	196	4.8	2.2	2.3
12	2.4	3.6					66	452	174	4.6	13	2.3
13	2.3	3.6					89	438	148	4.4	12	2.3
14	2.4	3.6					103	438	138	5.1	5.3	2.3
15	2.4	3.6					172	410	126	5.3	3.8	2.3
16	2.4	3.4					916	396	109	5.1	3.0	2.4
17	2.4	3.4					2,630	379	98	4.4	2.7	2.4
18	2.4	3.4					2,990	354	85	4.0	2.4	2.6
19	2.7	3.6					3,770	317	75	3.8	2.3	2.6
20	2.6	3.6					5,590	277	65	3.4	2.3	2.6
21	2.7	-					5,800	251	55	3.0	2.2	2.6
22	2.7	-					5,320	230	45	2.7	2.1	2.6
23	2.8	-					3,770	210	35	2.6	2.1	2.6
24	2.8	-					2,930	200	31	2.7	2.1	2.6
25	2.8	-					2,400	196	22	2.4	2.1	2.6
26	2.8	-					2,060	181	16	2.4	2.1	2.6
27	2.8	-					1,700	161	13	2.3	2.1	2.6
28	2.8	-					1,500	159	11	2.3	2.1	2.6
29	2.8	-					1,300	146	8.2	2.4	2.1	2.6
30	2.8	-					1,120	132	7.0	2.7	2.1	2.7
31	2.7	-					-	126	-	2.6	2.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	77.8	2.8	2.2	2.51	154
November 1-20	70.0	3.6	2.8	3.50	139
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	44,438	5,800	14	1,481	88,140
May	12,923	940	126	417	25,630
June	3,311.2	218	7.0	110	6,570
July	122.6	6.2	2.3	3.95	243
August	96.1	13	2.1	3.10	191
September	74.4	2.7	2.2	2.48	148
Water year					

Lincoln Canal near Richfield, Idaho

Location.- Water-stage recorder, lat. 43°10', long. 114°19', in sec. 9, T. 3 S., R. 18 E., at head of canal, 100 yards east from Shoshone-Hailey highway, 5½ miles below Magic Dam, and 12 miles northwest of Richfield.

Records available.- April 1925 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge during year, 277 second-feet May 3 (gage height, 2.22 feet); no flow for long periods.
1925-36: Maximum discharge, 706 second-feet May 28, 1927 (gage height, 4.00 feet); no flow for long periods each year.

Remarks.- Records good. No record Oct. 1 to Apr. 30. Discharge estimated June 9-12. Canal diverting water from right bank of Big Wood River in sec.9, T. 3 S., R. 18 E., approximately parallels river for 10 miles to head of North Gooding Canal, in sec. 15, T. 4 S., R. 18 E., where water is returned to Big Wood River or diverted into North Gooding Canal. Canal is used for conserving large channel losses in natural bed of river. No diversions from canal above gage. Gage-height record and eight discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	172	167	164	126
2								36	169	164	159	127
3								239	169	164	151	126
4								172	172	162	150	127
5								162	165	164	146	126
6								151	159	164	146	122
7								148	154	165	150	126
8								145	127	170	153	122
9								146	20	169	151	122
10								146	10	169	144	133
11								145	10	162	151	134
12								144	60	154	148	136
13								150	130	161	140	124
14								153	153	162	149	121
15								156	154	161	144	118
16								157	146	161	150	115
17								169	162	159	138	113
18								170	179	156	130	115
19								174	159	162	138	115
20								177	145	159	138	120
21								177	144	159	136	118
22								176	146	164	136	117
23								172	154	165	134	110
24								172	162	169	133	104
25								169	167	169	134	57
26								170	164	170	136	0
27								170	165	170	136	0
28								167	167	170	133	0
29								167	165	174	132	0
30								169	167	169	133	0
31								172	-	165	130	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	4,821	239	0	156	9,560
June	4,216	179	10	141	8,360
July	5,099	174	154	164	10,110
August	4,404	164	130	142	8,740
September	2,974	136	0	99.1	5,900
The period					42,670

Lincoln Canal near Shoshone, Idaho

Location.- Water-stage recorder, lat. 43°5', long. 114°19', in sec. 15, T. 4 S., R. 18 E., a quarter of a mile above mouth of canal, 7 miles west by north from Richfield, 11 miles north-northeast of Shoshone, and 12½ miles below Magic Dam.

Records available.- May 1925 to September 1936 (irrigation seasons only since 1928).

Extremes.- Maximum discharge during year, 234 second-feet May 3 (gage height, 1.40 feet); no flow for long periods.
1925-36: Maximum discharge, 667 second-feet May 29, 1927 (gage height, 2.48 feet); no flow for long periods each year.

Remarks.- Records good. No record Oct. 1 to Apr. 11 and Apr. 15-30. Discharge estimated May 3, Sept. 25. Canal diverting water from right bank of Big Wood River in sec. 9, T. 3 S., R. 18 E., approximately parallels river for 10 miles to head of North Gooding Canal, in sec. 15, T. 4 S., R. 18 E., where water is either returned to Big Wood River or diverted directly into North Gooding Canal. Canal is used to conserve large channel losses in natural bed of river. Five ditches have rights to divert 12.5 second-feet for irrigation above this station. Gage-height record and five discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	147	140	140	95
2							-	0	140	138	138	104
3							-	152	143	136	134	95
4							-	145	145	134	131	95
5							-	143	147	134	127	102
6							-	127	134	136	127	91
7							-	125	131	134	125	91
8							-	123	106	138	127	87
9							-	121	28	138	125	87
10							-	123	2	140	112	87
11							-	123	0	140	116	97
12							47	121	0	131	118	102
13							89	127	89	138	104	97
14							11	129	125	138	106	97
15							-	134	134	136	104	91
16							-	138	123	138	116	87
17							-	143	131	138	116	84
18							-	147	150	136	102	87
19							-	150	140	140	108	87
20							-	150	123	140	110	91
21							-	150	116	136	108	93
22							-	150	118	138	108	100
23							-	143	127	138	108	98
24							-	143	131	140	100	97
25							-	140	138	136	102	69
26							-	140	136	138	108	0
27							-	143	134	138	108	0
28							-	140	140	138	106	0
29							-	140	138	143	106	0
30							-	138	138	143	104	0
31							-	145	-	140	114	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May	3,993	152	0	129	7,920
June	3,454	150	0	115	6,850
July	4,271	143	131	138	8,470
August	3,558	140	102	115	7,060
September	2,311	104	0	77.0	4,580
The period					34,880

Thorn Creek Spillway near Gooding, Idaho

Location.- Water-stage recorder, lat. 43°1', long. 114°37', in sec. 6, T. 5 S., R. 16 E., 600 feet below diversion from North Gooding Canal, 900 feet above Thorn Creek, and 7½ miles northeast of Gooding.

Records available.- April 1928 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge during year, 206 second-feet June 8 (gage height, 2.08 feet); no flow during nonirrigation season.

1928-36: Maximum discharge, 250 second-feet May 1, 1933 (gage height, 2.26 feet); no flow during nonirrigation season.

Remarks.- Records good except those estimated Apr. 13, 14, 23, Sept. 29, which are fair. Spillway diverts from North Gooding Canal and discharges into Thorn Creek in sec. 6, T. 5 S., R. 16 E. It is utilized as part of plan to minimize losses from natural channel of Big Wood River. Gage-height record and results of 10 discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	73	158	162	168	72
2							0	114	168	156	176	79
3							0	111	168	144	168	85
4							0	142	168	144	152	99
5							0	170	170	146	142	102
6							0	172	168	142	139	100
7							1	174	181	144	133	92
8							4	176	196	141	133	99
9							6	181	194	150	126	100
10							18	162	172	166	127	94
11							52	148	187	162	129	89
12							64	142	181	160	133	87
13							85	148	168	156	131	89
14							50	162	160	154	127	99
15							13	164	172	152	127	106
16							5	160	185	144	127	109
17							2	156	181	144	124	111
18							0	158	176	150	122	106
19							0	156	166	154	106	104
20							0	158	144	160	104	106
21							0	181	135	162	99	104
22							0	196	124	158	97	95
23							30	194	118	160	100	94
24							22	190	118	168	100	95
25							14	181	122	166	102	53
26							6	164	129	162	114	6
27							5	164	137	166	111	3
28							3	162	137	166	104	2
29							11	156	144	164	99	1
30							24	152	156	164	94	0
31							-	158	-	164	95	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	415	85	0	13.8	823
May	4,925	196	73	159	9,770
June	4,783	196	118	159	9,490
July	4,831	168	141	156	9,580
August	3,809	176	94	123	7,560
September	2,381	111	0	79.4	4,720
The period					41,940

Little Wood River near Carey, Idaho

Location.- Water-stage recorder, lat. 43°23', long. 116°0', in E½ sec. 30, T. 1 N., R. 21 E., a third of a mile above West Canal and 6 miles northwest of Carey.

Drainage area.- 312 square miles.

Records available.- April 1904 to May 1905, September 1926 to September 1936. February 1920 to September 1926 at station 6 miles upstream (records comparable except during spring run-off).

Average discharge.- 13 years (1920-24, 1925-26, 1929-36), 124 second-feet.

Extremes.- Maximum discharge during year, 895 second-feet Apr. 19 (gage height, 4.15 feet); minimum, 22 second-feet Sept. 13 (gage height, 0.99 foot).
1904-5, 1926-36: Maximum discharge, 1,180 second-feet Apr. 27, 1927 (gage height, 4.73 feet); maximum gage height, 5.1 feet May 22, 1904; minimum discharge, 5.6 second-feet Aug. 21, 28, 1934.

Remarks.- Records good except those for period of ice effect Nov. 1 to Dec. 7, Dec. 13 to Feb. 25, which are poor, and those for Oct. 30, 31, Mar. 31 to Apr. 8, which were computed on basis of one discharge measurement, weather records, and records for nearby stations and are fair. A few small irrigation diversions above station. No regulation. Gage-height record furnished by water master for upper Little Wood River.

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

0.9	17	1.7	112	2.5	311	3.3	569
1.1	31	1.9	153	2.7	371	3.5	642
1.3	53	2.1	201	2.9	434	3.7	718
1.5	80	2.3	254	3.1	500	3.9	796

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25					47	60	371	335	88	46	28
2	25					46	60	332	308	82	54	28
3	25					49	60	323	262	77	53	32
4	25		40			56	60	353	251	72	46	31
5	25					56	60	377	232	69	48	30
6	24					56	60	350	222	67	45	30
7	24					54	65	311	424	65	40	29
8	25		40			54	70	294	415	65	36	29
9	25		42			56	97	288	368	66	34	27
10	25		40			52	*168	311	305	74	39	25
11	25		39			52	238	353	279	77	40	24
12	25		43			60	341	368	268	77	41	23
13	26				40	57	460	380	265	70	47	23
14	28					52	587	412	251	70	41	27
15	33					53	605	441	246	70	38	28
16	33					51	587	380	217	66	34	29
17	32					53	680	329	209	65	32	29
18	32					54	757	305	206	61	29	29
19	34					54	776	299	187	61	29	28
20	34					54	757	288	177	60	29	29
21	34					62	699	260	165	61	29	29
22	33		40			73	642	224	151	61	28	26
23	36					74	718	204	144	54	26	26
24	38					73	680	204	144	57	25	33
25	39					69	569	222	135	52	26	36
26	38				39	67	484	240	127	40	27	37
27	38				48	66	428	260	116	35	26	36
28	38				45	66	393	268	107	35	26	37
29	38				49	62	347	276	100	36	26	36
30	35				-	60	368	249	94	42	26	32
31	35				-	60	-	262	-	43	27	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	952	39	24	30.7	1,890
November	1,200	-	-	40	2,380
December	1,244	-	-	40.1	2,470
Calendar year 1935	42,113	624	19	115	83,550
January	1,240	-	-	40	2,460
February	1,181	49	-	40.7	2,340
March	1,798	74	46	58.0	3,570
April	11,876	776	60	396	23,560
May	9,534	441	204	308	18,910
June	6,710	424	94	224	13,310
July	1,918	88	35	61.9	3,800
August	1,093	54	25	35.3	2,170
September	888	38	23	29.6	1,760
Water year 1935-36	39,634	776	23	108	78,620

*Interpolated.

Little Wood River near Richfield, Idaho

Location.- Water-stage recorder, lat. 43°3', long. 114°8', in sec. 30, T. 4 S., R. 20 E., half a mile above Jim Burn's slough and heading of Dietrich Canal and 1 mile east of railroad station at Richfield.

Records available.- January 1911 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge during year, 462 second-feet Apr. 19 (gage height, 2.82 feet); minimum, 56 second-feet May 27 (gage height, 1.21 feet).
1911-36: Maximum discharge observed, 722 second-feet May 17, 18, 1911 (gage height, 4.5 feet); minimum, 7.6 second-feet June 24, 25, 1920 (gage height, 0.52 foot).

Remarks.- Records good. No records Nov. 3 to Apr. 5. Small ranch diversions above gage. Gage-height record and nine discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	86	113					-	236	67	76	75	74
2	81	113					-	242	72	74	80	74
3	74						-	233	81	78	81	78
4	72						-	228	83	75	75	81
5	75						-	228	83	80	78	81
6	78						113	225	86	80	78	84
7	81						123	247	88	80	83	92
8	83						138	223	100	80	*82	89
9	84						151	192	115	81	80	89
10	84						170	170	142	89	75	88
11	*86						187	151	*119	*86	*74	81
12	*88						184	142	96	84	74	80
13	*90						*209	119	76	84	72	83
14	92						*233	102	78	89	71	89
15	92						258	80	83	88	71	92
16	94						277	74	84	84	71	92
17	92						283	78	86	81	72	*93
18	94						300	76	*84	88	71	94
19	94						354	67	*83	89	78	100
20	*97						309	67	81	83	80	104
21	100						303	67	84	83	80	100
22	102						298	68	84	78	78	104
23	100						295	71	86	*76	74	105
24	102						292	68	92	75	74	100
25	107						298	68	86	78	72	100
26	107						289	62	89	78	74	*101
27	107						280	58	88	75	75	102
28	107						275	59	78	76	74	97
29	109						269	64	81	75	68	96
30	109						252	64	76	70	*70	94
31	113						-	65	-	83	71	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,880	113	72	92.9	5,710
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 6-30	6,140	354	113	246	12,180
May	3,894	247	58	126	7,720
June	2,631	142	67	87.7	5,220
July	2,496	89	70	80.5	4,950
August	2,331	83	68	75.2	4,620
September	2,737	105	74	91.2	5,430
Water year					

*Interpolated.

Little Wood River at Shoshone, Idaho

Location.- Water-stage recorder, lat. 42°56', long. 114°24', in sec. 2, T. 6 S., R. 17 E., just above diversion dam for town water supply and 400 feet above Shoshone-Richfield highway bridge in Shoshone.

Records available.- April 1922 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge during year, 441 second-feet May 22 (gage height, 2.17 feet); minimum, 17 second-feet Oct. 7 (gage height, 0.62 foot).
1922-36: Maximum discharge, 664 second-feet June 18, 1922 (gage height, 2.26 feet); practically no flow July 29, 1931.

Remarks.- Records good except those for Oct. 3-5, which are poor. No records Oct. 10 to Nov. 1, Nov. 3 to Mar. 31. Discharge estimated Oct. 3, 4; interpolated Apr. 3. Numerous irrigation diversions above and below station. Small ditch for Shoshone water supply diverts from left bank immediately below gage. Gage-height record and 18 discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 1-11)

Apr. 1 to Sept. 30

0.6	20	1.6	317
.8	56	1.8	366
1.0	111	2.0	407
1.2	181	2.2	447
1.4	253		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	56						114	270	376	387	413	293
2	37	74					118	290	379	381	423	293
3	34						114	296	387	372	411	296
4	30						111	293	385	374	413	302
5	26						102	302	383	372	405	302
6	26						99	320	383	370	389	299
7	20						105	333	401	366	370	293
8	26						105	357	411	364	343	293
9	27						76	368	411	389	345	287
10	-						97	350	397	399	345	273
11	-						142	345	419	397	348	273
12	-						195	370	397	397	350	277
13	-						195	372	374	397	338	277
14	-						156	376	374	393	333	284
15	-						145	389	395	389	333	293
16	-						152	387	407	385	335	299
17	-						142	379	401	389	340	299
18	-						135	376	385	393	333	293
19	-						145	370	357	395	333	293
20	-						152	374	352	399	330	296
21	-						131	411	348	399	327	287
22	-						121	439	345	397	327	277
23	-						114	427	354	397	327	277
24	-						108	411	354	399	330	277
25	-						105	393	354	401	335	138
26	-						105	387	352	401	345	25
27	-						145	385	357	405	340	68
28	-						152	379	357	407	340	66
29	-						125	372	368	403	338	61
30	-						131	366	383	403	338	56
31	-						-	370	-	407	327	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-9	282	56	20	31.3	559
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	3,837	195	76	128	7,610
May	11,257	439	270	363	22,330
June	11,346	419	345	378	22,500
July	12,125	407	364	391	24,050
August	10,904	423	327	352	21,630
September	7,347	302	25	245	14,570
Water year					

Fish Creek above dam near Carey, Idaho

Location.- Water-stage recorder in sec. 2, T. 1 N., R. 22 E., 1¼ miles above mouth of West Fork of Fish Creek, 1½ miles above dam of Carey Valley Reservoir Co., and 14 miles northeast of Carey.

Drainage area.- About 56 square miles.

Records available.- May 1920 to September 1936.

Extremes.- Maximum discharge during water year 1934-35, 68 second-feet May 31 (gage height, 1.03 feet); minimum 0.5 second-foot Aug. 31 (gage height, 0.05 foot).

Maximum discharge observed during water year 1935-36, 52 second-feet May 16-18 (gage height, 0.87 foot); minimum, 2.6 second-feet Oct. 31, Aug. 29, 30 (gage height, 0.13 foot).

1920-36: Maximum discharge, 158 second-feet May 6, 1922 (gage height, 1.78 feet, former site and datum); no flow Sept. 9-12, Oct. 17-27, 1926.

Remarks.- Records good except those interpolated for Apr. 2-5, 7-12, 1935, May 17, 19, 22, June 13, Aug. 25, which are fair. No records during winter. No regulation. Several small diversions above gage. Gage-height record furnished by water master for Fish Creek. Control is Cippoletti weir rated by current-meter measurements.

Rating table, period Apr. 1, 1935, to Sept. 30, 1936 (gage height, in feet, and discharge, in second-feet)

0.05	0.5	0.50	21.0
.15	3.2	.70	36.5
.30	9.3	.90	55.0
.45	17.7	1.10	75.0

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-						16	44	58	11	1.4	3.2
2	-						20	45	53	11	1.6	3.6
3	-	1.4					25	38	48	9.8	1.6	3.6
4	-						29	36	44	8.8	2.6	3.6
5	-						34	35	41	8.8	3.2	3.6
6	1.9						38	36	40	9.8	3.2	3.9
7	-						39	36	36	8.8	3.2	3.9
8	-						39	36	32	7.9	2.9	2.2
9	-						40	34	30	7.0	2.9	2.2
10	-						41	32	29	6.2	2.6	2.2
11	-						42	32	27	5.8	1.6	2.2
12	-						42	32	24	5.8	2.9	2.2
13	3.2						43	36	21	5.0	2.9	2.6
14	-						46	37	20	5.0	2.6	2.6
15	-						52	32	17	4.3	2.9	2.6
16	-						57	33	16	3.9	3.2	2.9
17	-						64	36	16	3.6	3.6	2.9
18	-						56	38	16	3.6	3.2	2.9
19	-						51	36	16	3.6	3.2	2.9
20	3.2						52	35	16	3.6	3.6	2.6
21	-						60	35	15	2.6	3.2	2.6
22	-						60	36	14	2.2	2.9	2.6
23	-						58	36	15	1.9	2.9	2.6
24	-						49	37	15	1.9	2.9	2.9
25	-						44	36	15	1.6	2.9	2.9
26	-						41	36	14	1.2	2.9	3.2
27	3.5						44	35	14	.9	2.9	3.2
28	-						44	38	13	.7	3.2	3.6
29	-						40	39	12	.7	3.2	3.9
30	-						46	46	12	.7	3.2	3.9
31	-						-	65	-	.7	3.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	1,312	64	16	43.7	2,600
May	1,158	65	32	37.4	2,300
June	739	58	12	24.6	1,470
July	148.4	11	.7	4.79	294
August	88.3	3.6	1.4	2.85	175
September	89.8	3.9	2.2	2.99	178
The period					7,020

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Fish Creek above dam near Carey, Idaho

(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	3.9							-	-	5.8	-	4.3
2	3.9							-	-	5.8	-	4.3
3	3.9							-	-	5.8	-	4.6
4	3.9							-	-	5.8	-	5.0
5	3.9							-	25	5.4	-	5.4
6	3.9							-	33	5.8	-	5.4
7	3.9							-	38	5.8	2.9	5.0
8	3.9							-	40	7.0	-	5.0
9	3.9							-	37	7.5	-	5.0
10	3.6						*31	-	32	7.0	-	-
11	3.6							-	30	7.0	3.6	-
12	3.6							-	29	-	-	-
13	3.6							-	27	-	-	3.6
14	3.6							-	25	-	-	3.9
15	4.3							-	24	-	-	4.3
16	4.6							52	22	-	-	4.3
17	4.6							52	20	-	-	3.9
18	4.3							52	19	-	-	3.6
19	4.3							42	18	-	-	3.6
20	4.3							31	16	-	-	4.3
21	-							26	12	-	-	-
22	-							25	12	-	-	-
23	-							24	11	-	-	-
24	-							22	10	4.3	3.6	-
25	-							18	8.8	4.3	3.4	3.6
26	-							19	7.9	-	3.2	3.9
27	-							20	7.9	-	3.6	3.9
28	-							21	7.0	-	3.6	3.9
29	-							20	7.0	-	2.9	3.9
30	-							19	6.6	-	2.9	3.9
31	2.6							20	-	-	3.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-20	79.5	4.6	3.6	3.98	158
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May 16-31	463	52	18	28.9	918
June 5-30	525.2	40	6.6	20.2	1,040
July 1-11	68.7	7.5	5.4	6.25	136
August 24-31	27.1	3.9	2.9	3.39	54
September	-	-	-	-	-
Water year					

*Discharge measurement.

Fish Creek near Carey, Idaho

Location.- Water-stage recorder in sec. 15, T. 1 N., R. 22 E., 600 feet below Carey Valley Reservoir Co.'s dam and 11 miles northeast of Carey.

Records available.- April 1919 to September 1920, May 1923 to September 1936. Discharge measurements only in 1921 and 1922.

Extremes.- Maximum discharge during water year 1934-35, 91 second-feet July 15, 16 (gage height, 1.31 feet); minimum discharge recorded, 0.6 second-foot Apr. 1-10 (gage height, 0.04 foot).

Maximum discharge during water year 1935-36, 97 second-feet July 17 (gage height, 1.33 feet); minimum discharge recorded, 0.7 second-foot Apr. 10 (gage height, 0.05 foot).

1919-20, 1923-36: Maximum discharge, 170 second-feet May 19, 1927 (gage height, 1.91 feet, former site and datum); reservoir gates usually closed during nonirrigation season, and flow past station is leakage.

Remarks.- Records good except those for Nov. 4, 1934, to Mar. 31, 1935, Nov. 1 to Dec. 7, 1935, Dec. 9, 1935, to Mar. 31, 1936, which are poor. Flow regulated by storage in Fish Creek Reservoir. No diversions between station and dam. Gage-height record furnished by water master for Fish Creek.

Rating tables, water years 1934-36 (gage height, in feet, and discharge, in second-feet)

Oct. 1, 1924, to Dec. 31, 1935				Apr. 1 to Sept. 30, 1936			
0.05	0.7	0.90	51.8	0.05	0.7	0.90	53.0
.15	3.5	1.10	69.9	.15	3.2	1.10	71.9
.30	10.0	1.30	89.8	.30	9.3	1.30	93.5
.50	21.4	1.50	111	.50	21.0	1.50	117
.70	35.5			.70	36.2		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	*6.3					0.6	29	28	41	46	5.8
2	*5.4	*6.3					.6	29	22	33	43	5.8
3	*5.4	*3.4					.6	29	22	33	33	5.4
4	*5.4						.6	29	22	25	4.3	5.4
5	*5.4						.6	29	22	8.1	7.2	5.4
6	5.2						.6	32	22	8.1	7.2	5.4
7	*4.6						.6	40	22	9.0	9.0	5.4
8	*4.6						.6	40	22	14	10	6.3
9	*4.6						*.6	40	23	14	10	6.3
10	*4.6						*.6	44	29	14	15	6.7
11	*4.6						*.7	48	32	25	20	7.6
12	*4.6						*.7	48	45	50	19	7.2
13	4.6						.7	48	55	68	14	7.2
14	*4.6						*.7	48	65	80	11	6.7
15	*4.6						*.7	48	65	83	10	6.3
16	*4.6						*.7	48	65	90	9.5	†6.2
17	*4.6	*.6					*.7	48	66	89	9.0	†6.2
18	*4.6						*.7	35	72	88	6.8	†6.1
19	*4.6						*.7	23	78	86	5.0	†6.0
20	4.8						*.7	23	78	85	5.4	†5.9
21	*5.4						.7	23	76	82	5.8	†5.9
22	*5.4						.7	36	63	74	6.3	5.8
23	*5.4						.7	43	59	68	6.7	5.4
24	*5.4						.9	43	54	73	8.6	5.4
25	*5.4						.9	47	54	76	9.5	5.4
26	*5.4						.9	49	54	76	7.6	5.4
27	5.6						.9	49	54	74	6.7	5.4
28	*6.3						.9	49	54	72	6.3	5.4
29	*6.3						.9	43	50	64	6.3	5.4
30	*6.3						17.0	37	44	51	6.3	6.7
31	*6.3						-	34	-	48	6.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	158.1	6.3	3.5	5.10	314
November	32.2	6.3	-	1.07	64
December	18.6	-	-	*.60	37
Calendar year 1934	2,909.7	53	-	7.97	5,780
January	18.6	-	-	*.60	37
February	16.8	-	-	*.60	33
March	18.6	-	-	*.60	37
April	37.5	17	0.6	1.25	74
May	1,211	49	23	39.1	2,400
June	1,417	78	22	47.2	2,810
July	1,701.2	90	8.1	54.9	3,370
August	370.8	46	4.3	12.0	735
September	179.5	7.6	5.4	5.98	356
Water year 1934-35	5,179.9	90	-	14.2	10,270

*Computed on basis of gage heights and information furnished by water master.
†Interpolated.

Fish Creek near Carey, Idaho

(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	†6.7						*.9	*1.4	54	86	73	7.9
2	†6.7						*.9	*1.4	47	74	58	7.5
3	†6.7						*.9	*1.4	47	74	58	8.4
4	†6.7		*1.4				*.9	*1.4	37	86	55	8.8
5	†6.7				*1.2		*.9	*1.5	21	†86	53	8.8
6	6.7						*.9	*1.5	16	†86	44	8.8
7	*6.7						*.9	*1.5	16	86	19	8.4
8	*6.7		1.4				*.9	*1.5	16	70	11	7.9
9	*6.7			*1.3			*.9	*1.6	16	66	11	7.9
10	*6.7					*1.0	.9	*1.6	16	74	11	†7.3
11	*6.7						*.9	*1.6	16	65	11	†6.6
12	*6.7						*.9	5.7	16	61	11	†6.0
13	7.0						*.9	*14	16	61	12	5.4
14	8.1						*1.0	16	20	60	22	6.6
15	8.1						*1.0	†22	26	75	22	7.0
16	8.1						*1.0	28	26	87	27	7.5
17	8.1						*1.0	*51	26	96	29	7.9
18	8.1		*1.4				*1.1	*51	26	95	39	7.9
19	8.1				*1.1		*1.1	*51	28	95	35	7.9
20	*7.5						*1.1	51	58	94	31	7.9
21	*4.6						*1.1	51	64	92	24	†7.8
22	*4.6						*1.2	51	76	91	13	†7.7
23	*4.6						*1.2	51	81	90	†12	†7.7
24	*4.6						*1.2	51	81	89	†10	†7.6
25	*4.6			*1.2			*1.2	61	80	90	†8.9	7.5
26	*4.6					*.9	*1.2	69	80	95	7.5	7.0
27	*4.6						*1.3	71	84	94	7.5	7.0
28	*4.6						*1.3	71	87	92	7.5	7.0
29	*4.6						*1.3	71	87	90	6.6	7.0
30	*4.6		*1.3		-		*1.3	74	86	88	6.6	6.6
31	4.6				-		-	68	-	86	7.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	194.1	8.1	4.6	6.26	385
November	42.0	-	-	*1.40	83
December	43.1	-	-	1.39	85
Calendar year 1935	5,250.2	90	-	14.4	10,400
January	39.0	-	-	1.26	77
February	32.7	-	-	1.13	65
March	29.9	-	-	.96	59
April	31.3	1.3	0.9	1.04	62
May	995.1	71	1.4	32.1	1,970
June	1,350	87	16	45.0	2,680
July	2,574	96	60	83.0	5,110
August	743.5	73	6.6	24.0	1,470
September	225.3	8.8	5.4	7.51	447
Water year 1935-36	6,300.0	96	-	17.2	12,490

*Computed on basis of gage heights and information furnished by water master.
†Interpolated.

Silver Creek near Picabo, Idaho

Location.- Water-stage recorder, lat. 43°17', long. 114°1', in sec. 1, T. 2 S., R. 20 E., 1 1/2 miles below mouth of drain ditch of Blaine County Drainage District No. 1 and 3 miles southeast of Picabo.

Records available.- May 1920 to September 1936 (irrigation seasons only 1922-35).

Extremes.- Maximum discharge during year, 284 second-feet Apr. 15 (gage height, 3.41 feet); minimum, 53 second-feet Feb. 25 (gage height, 0.96 foot).
1920-36: Maximum discharge, 312 second-feet Apr. 3, 1923; maximum gage height, 3.41 feet Apr. 15, 1936; minimum discharge, 26 second-feet June 2, 1920 (gage height, 0.48 foot).

Remarks.- Records good except those for Dec. 15 to Feb. 23, which are fair. Discharge Nov. 28-30, Dec. 1-6, 16-31, Jan. 1-31, Feb. 1-3, 5-23 computed on basis of weather records and records for Big Wood River and Big Wood Slough at Hailey and Johnson Creek at Yellow Pine; interpolated Oct. 6, 13, Nov. 5-22, Mar. 12-29, Apr. 26, 27, May 1-5, July 4, 6, 8, 10, 12, 14, 16, 20, 22, Sept. 18, 22. Result of discharge measurements shown for Feb. 4, 5. Numerous diversions for irrigation above station. Some water is bypassed around station by slough on right bank heading 300 feet above gage. Gage-height record October and April to September and six discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	105	130	115			119	116	130	108	119	123	107
2	103	133	110		110	118	118	126	111	120	120	107
3	103	133	110			117	127	123	113	119	120	109
4	105	135	110		96	118	122	120	117	118	124	111
5	109	135	115		110	117	121	120	120	118	130	117
6	108	135	120			117	123	120	119	120	129	118
7	106	135	128			117	129	119	134	122	123	118
8	106	135	126		110	117	144	120	153	123	116	118
9	110	135	126			118	166	119	154	124	115	120
10	112	135	127			115	194	116	144	126	113	119
11	113	135	127	120		119	208	115	123	128	114	117
12	109	135	131			119	238	109	104	128	112	117
13	108	135	133			120	248	108	105	129	109	117
14	108	136	131			120	256	106	116	127	109	118
15	112	136	114			120	278	100	117	125	109	116
16	112	136				121	271	99	124	125	109	116
17	111	136			115	121	239	100	125	125	110	118
18	112	136	110			122	217	92	124	124	112	120
19	116	136				122	195	91	122	119	113	123
20	122	136				122	177	93	123	116	106	121
21	122	136				123	166	93	121	112	104	121
22	117	136				123	158	93	124	116	101	122
23	118	136		115		123	154	88	125	120	101	122
24	119	135			112	124	154	88	124	122	99	117
25	121	134			88	124	149	88	124	122	99	120
26	121	132	120		152	125	145	87	124	120	99	121
27	121	131			172	125	141	88	122	119	99	123
28	121	130			134	125	137	95	120	117	100	124
29	121	125		110	121	126	136	92	120	117	101	123
30	124	120			-	126	133	94	118	120	101	119
31	127	-			-	129	-	92	-	123	106	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,522	127	103	114	6,990
November	4,013	136	120	134	7,960
December	3,693	133	110	119	7,320
Calendar year					
January	3,635	120	110	117	7,210
February	3,360	172	88	116	6,660
March	3,752	129	115	121	7,440
April	5,160	278	116	172	10,230
May	3,224	130	87	104	6,390
June	3,678	154	104	123	7,300
July	3,763	129	112	121	7,460
August	3,426	130	99	111	6,800
September	3,539	124	107	118	7,020
Water year 1935-36	44,765	278	87	122	88,780

Note.- The flow in bypass channel, which carries water around gage, was estimated to be 0.2 second-foot Dec. 7, 2.0 second-feet Feb. 4, 0.1 second-foot May 7; measured, 1.97 second-feet Feb.5, 2.41 second-feet Feb. 28, 37.4 second-feet Apr. 11, 61.6 second-feet Apr. 16, 4.39 second-feet Apr. 22; no flow reported on Oct. 8, May 20, June 23, July 24, Sept. 27.

King Hill Canal near Hagerman, Idaho

Location.- Staff gage, lat. 42°52', long. 114°55', in SW¼ sec. 27, T. 6 S., R. 13 E., half a mile west of highway bridge over Big Wood River, 1,000 feet below heading at Idaho Power Co.'s canal, 430 feet above mouth of inverted syphon crossing Snake River, and 3½ miles north of Hagerman.

Records available.- March 1930 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge during year, 305 second-feet May 15-19, May 27 to June 4; maximum gage height, 3.64 feet Aug. 11-14, Aug. 16 to Sept. 1; practically no flow during nonirrigation season.

1930-36: Maximum discharge, 306 second-feet Aug. 22-25, 1932, and June 17-26, 1933; maximum gage height, 3.64 feet July 3, 4, 1931, Aug. 13 to Sept. 4, 1935, Aug. 11-14, Aug. 16 to Sept. 1, 1936; practically no flow during nonirrigation season.

Remarks.- Records good. Water is diverted from Big Wood River through Idaho Power Co.'s canal by King Hill Irrigation District for use on its project. Gage-height record furnished by King Hill Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	224						0	243	305	301	284	238
2	221						0	253	305	301	284	0
3	221						0	259	305	212	286	130
4	224						0	265	305	0	288	284
5	224						0	268	301	0	288	278
6	224						0	272	301	225	288	278
7	224						0	275	296	290	290	275
8	224						0	275	286	293	291	271
9	224						24	275	281	291	293	271
10	224						57	281	270	288	298	268
11	224						57	291	259	286	300	268
12	131						57	188	248	287	301	268
13	-						57	286	243	288	301	268
14	-						57	297	243	288	300	265
15	-						57	303	254	286	298	265
16	-						57	305	265	286	300	262
17	-						57	305	273	286	300	263
18	-						78	305	275	284	301	265
19	-						99	301	281	283	301	268
20	-						99	298	284	281	301	268
21	-						128	295	289	283	301	271
22	-						142	291	293	284	301	268
23	-						142	290	301	284	301	267
24	*3						157	288	301	284	301	263
25	-						174	288	501	284	301	262
26	-						178	208	301	284	301	255
27	-						188	301	303	284	301	259
28	-						212	305	303	284	301	259
29	-						222	305	303	284	301	259
30	-						238	305	301	284	301	259
31	-						-	305	-	284	301	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-12	2,589	224	131	216	5,140
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	2,537	238	0	84.6	5,030
May	8,726	305	188	281	17,310
June	8,576	305	243	286	17,010
July	8,179	301	0	264	16,220
August	9,204	301	284	297	18,260
September	7,575	284	0	252	15,020
Water year					

*Discharge measurement.

Note.- Gates closed during nonirrigation season except for occasional run to soak flume.

Mountain Home feeder canal near Mountain Home, Idaho

Location.- Water-stage recorder above concrete control, lat. 43°13', long. 115°42', in sec. 36, T. 2 S., R. 6 E., 30 feet below point of diversion from Canyon Creek and 5 miles north of Mountain Home.

Records available.- April 1924 to September 1929, April 1931 to September 1936.

Extremes.- Maximum discharge during year, 104 second-feet Apr. 29, 30; maximum gage height, 1.54 feet Apr. 29; no flow reported during fall and winter.
1924-29, 1931-36: Maximum discharge, 226 second-feet Feb. 21, 1927 (gage height, 2.18 feet, former datum); no flow for long periods each year.

Remarks.- Records good except those for Nov. 1-30, Feb. 15-21, Sept. 20-30, which were computed on basis of information furnished by water master and are poor. Canal diverts from Canyon Creek in sec. 36, T. 2 S., R. 6 E. Water for irrigation on about 5,000 acres included in project of the Mountain Home irrigation district, is delivered to the Mountain Home cooperative canal, which heads in the Mountain Home feeder canal half a mile below gage. When there is a surplus of water for irrigation, canal feeds directly into the Mountain Home Reservoir. No diversions from canal above gage; three small diversions between gage and head gates of Mountain Home cooperative canal. Flow regulated by head gate in Canyon Creek and by storage in Long Tom Reservoir. Gage-height record furnished by Mountain Home Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1				0	*71	17	90	83	81	42	42
2	*1				0	74	16	68	85	82	41	42
3	*1				0	70	16	69	85	82	41	41
4	*1				0	71	19	83	85	82	42	34
5	*1				0	68	16	89	79	79	42	32
6	*1				0	66	19	86	82	79	42	30
7	1				0	73	21	83	68	78	42	29
8	1				0	73	30	79	64	77	42	25
9	0				0	77	31	72	62	79	41	24
10	0				0	75	7	68	54	64	42	27
11	0				0	73	7	62	38	61	41	37
12	0				0	72	9	67	35	51	38	37
13	0				0	55	11	68	30	48	35	36
14	1				0	38	22	68	29	46	41	40
15	1				1	34	28	66	31	41	55	40
16	*1				1	32	†32	70	39	†46	57	32
17	*1				2	32	60	69	44	†46	57	30
18	*1				5	32	69	73	47	46	57	34
19	*1				10	35	66	74	50	47	57	52
20	*1				15	40	63	74	52	47	*57	50
21	*1				20	44	66	73	62	48	57	35
22	*1				27	41	68	70	68	49	60	15
23	*1				48	38	68	68	77	49	60	2
24	*1				66	35	69	66	77	49	62	2
25	*1				58	31	80	68	76	47	54	2
26	*1				48	26	92	67	77	43	51	2
27	*1				48	25	95	73	84	33	47	1
28	*1				62	26	99	74	86	34	48	1
29	1				68	24	103	*76	85	38	50	1
30	†1				-	20	104	78	83	41	49	1
31	†1				-	20	-	77	-	42	45	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	26	1	0	0.8	52
November	30	-	-	1.0	60
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	479	68	0	16.5	950
March	1,491	77	20	48.1	2,960
April	1,403	104	7	46.8	2,780
May	2,266	90	62	73.2	4,500
June	1,897	86	29	63.2	3,760
July	1,735	82	33	56.0	3,440
August	1,495	62	35	48.2	2,970
September	776	52	1	25.9	1,540
Water year 1935-36	11,600	104	0	31.7	23,010

*Interpolated.
†Computed on basis of information furnished by water master.

Mountain Home cooperative canal near Mountain Home, Idaho

Location.- Water-stage recorder, lat. 43°12', long. 115°42', in sec. 36, T. 2 S., R. 6 E., at the Lamberton Weir, 250 feet below point of diversion in Mountain Home feeder canal and 4½ miles north of Mountain Home.

Records available.- April 1924 to September 1929, April 1931 to September 1936.

Extremes.- Maximum discharge during year, 86 second-feet Apr. 29 (gage height, 1.32 feet); no water diverted into canal during nonirrigation season, probably no flow prior to Apr. 16 and after Sept. 21.
1924-29, 1931-36: Maximum discharge, 109 second-feet July 16, 1925 (gage height, 1.69 feet); no flow during nonirrigation periods.

Remarks.- Records good. No diversions between gage and head of canal. Flow regulated by gates at head of canal and by operation of gates in Long Tom Reservoir. Canal is fed by Mountain Home feeder canal. Water is used for irrigation on about 5,000 acres of the Mountain Home irrigation district. Gage-height record furnished by Mountain Home Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	72	58	*79	36	40
2							0	63	50	*77	37	40
3							0	64	48	76	37	40
4							0	68	45	77	37	30
5							0	61	42	76	37	29
6							0	†54	33	75	38	28
7							0	57	27	76	38	25
8							0	59	24	77	38	22
9							0	60	15	73	40	21
10							0	56	10	63	38	23
11							0	53	8.0	56	38	34
12							0	59	8.4	48	34	34
13							0	60	9.5	46	32	34
14							0	59	12	*44	38	37
15							0	58	21	43	52	36
16							†3	62	29	43	54	28
17							†3	62	34	43	*53	*26
18							†3	58	36	41	*53	25
19							†9	56	39	42	*53	24
20							29	59	40	43	*53	24
21							38	60	48	43	52	6.7
22							43	60	55	*43	54	0
23							50	56	64	*42	54	0
24							56	54	68	*42	56	0
25							59	57	71	42	50	0
26							64	60	70	38	44	0
27							64	64	77	27	43	0
28							77	65	80	27	46	0
29							80	*67	81	31	48	0
30							81	69	80	36	48	0
31							-	70	-	37	42	0

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	659	81	0	22.0	1,310
May	1,882	72	53	60.7	3,730
June	1,282.9	81	8.0	42.8	2,540
July	1,606	79	27	51.8	3,190
August	1,373	56	32	44.3	2,720
September	606.7	40	0	20.2	1,200
Water year 1935-36	7,409.6	81	0	20.2	14,690

*Interpolated.
†Computed on basis of information furnished by water master.

Owyhee River at Mountain City, Nev.

Location.- Water-stage recorder, lat. 41°50', long. 115°59', in SE¼ sec. 36, T. 46 N., R. 53 E., at Mountain City, about 1 mile below California Creek.

Drainage area.- 350 square miles.

Records available.- May to December 1913, November 1926 to September 1936.

Extremes.- Maximum discharge during year, 1,830 second-feet Apr. 20 (gage height, 7.6 feet); minimum daily discharge, 3 second-feet Oct. 1-4.
1913, 1927-36: Maximum discharge, that of Apr. 20, 1936; no flow July 29 to Sept. 15, 1931, and July 21 to Sept. 18, 1934.

Remarks.- Records good except those for period of ice effect, Oct. 30 to Mar. 11, and those for Sept. 1-24, computed on basis of weather records, and those above 800 second-feet, which are fair. 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 July 1 to Sept. 30)

1.0	0	3.0	290
1.2	3.5	3.5	418
1.4	15	4.0	562
1.6	35	4.5	717
1.8	62	5.0	880
2.0	93	5.5	1,050
2.2	128	6.0	1,220
2.4	165	6.5	1,395
2.6	204	7.0	1,590
2.8	245	7.5	1,790

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3						62	765	638	45	7	22
2	3						65	730	701	39	7	20
3	3						62	759	471	31	7	18
4	3						61	804	383	31	8	16
5	4						56	860	322	27	9	14
6	4						58	837	295	25	9	14
7	4					60	74	759	418	24	10	12
8	5						130	617	424	26	10	12
9	5						174	538	344	26	12	12
10	5						234	520	285	25	12	10
11	5						360	535	249	25	12	10
12	5					71	553	553	222	25	9	10
13	6					72	749	568	202	21	10	10
14	5					66	923	577	192	20	9	10
15	6					70	1,170	592	178	17	10	10
16	8					71	1,430	583	159	14	9	9
17	8					87	1,610	523	144	13	10	9
18	8					98	1,710	468	126	11	9	9
19	8					100	1,720	424	114	9	10	9
20	8					114	1,760	399	102	10	11	9
21	8					156	1,640	375	90	9	12	9
22	8					137	1,590	332	90	5	12	9
23	7					107	1,520	283	85	6	12	9
24	7					95	1,450	249	85	7	13	9
25	8					87	1,320	239	76	9	14	9
26	8					77	1,200	228	70	10	16	9
27	8					76	1,120	224	61	10	21	9
28	8					76	1,020	232	55	10	16	9
29	8					72	910	241	51	9	20	9
30	8					71	844	234	48	9	22	9
31	8					71	-	267	-	9	23	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	192	8	3	6.2	381
November	300	-	-	10	595
December	310	-	-	10	615
Calendar year 1935	42,788	1,120	1	117	84,880
January	310	-	-	10	615
February	435	-	-	15	863
March	2,434	156	-	78.5	4,830
April	25,575	1,760	56	852	50,730
May	15,315	860	224	494	30,380
June	6,680	701	48	223	13,250
July	559	45	5	18.0	1,100
August	371	23	7	12.0	736
September	335	22	9	11.2	664
Water year 1935-36	52,814	1,760	3	144	104,700

Owyhee River above Owyhee Reservoir, Oreg.

Location.- Water-stage recorder, lat. 43°15', long 117°30', in SE¼ sec. 18 T. 27 S., R. 43 E., 3 miles above flow line of Owyhee Reservoir and 8 miles southwest of Watson. Zero of gage is about 2,690 feet above mean sea level as determined by U. S. Bureau of Reclamation.

Records available.- October 1931 to September 1936.

Extremes.- Maximum discharge during year, 16,000 second-feet Apr. 19 (gage height, 12.58 feet); minimum, 132 second-feet Oct. 6 (gage height, 3.74 feet).
1931-36: Maximum discharge, 16,000 second-feet Mar. 20, 1932, Apr. 19, 1936; maximum gage height, 12.95 feet Mar. 20, 1932; minimum discharge, 103 second-feet Aug. 19, 1934 (gage height, 3.57 feet).

Remarks.- Records excellent except those for Mar. 5-13, which are good. Discharge Dec. 21, 22 interpolated because of ice effect. Diversions for irrigation above station. Discharge slightly regulated by storage in 11 small reservoirs having total capacity of 52,000 acre-feet. Records furnished by U. S. Bureau of Reclamation and State engineer.

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

3.7	130	6.5	1,680	10.0	7,550
4.0	205	7.0	2,150	10.5	9,000
4.3	299	7.5	2,700	11.0	10,600
4.6	410	8.0	3,390	11.6	12,500
5.0	600	8.5	4,210	12.2	14,600
5.5	905	9.0	5,180	12.6	16,000
6.0	1,260	9.5	6,270		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	142	176	202	202	279	1,000	1,110	5,080	733	310	170	148
2	142	173	200	223	226	1,300	1,000	4,880	745	299	176	151
3	142	176	197	208	302	1,720	938	4,390	938	276	170	153
4	144	181	186	208	269	2,050	938	4,030	2,050	266	170	156
5	144	183	183	205	260	2,250	938	3,780	2,420	254	170	160
6	146	181	186	214	257	2,200	1,080	3,540	2,150	244	166	160
7	144	170	200	223	250	2,000	1,140	3,460	1,860	235	166	168
8	146	176	197	217	250	1,950	1,900	3,320	1,640	229	214	168
9	148	189	200	235	263	2,050	2,830	3,100	1,820	220	197	170
10	146	186	208	235	238	2,700	4,880	2,900	2,150	232	181	170
11	144	189	214	238	241	2,640	6,040	2,520	1,900	241	170	170
12	146	186	217	446	250	2,200	9,000	2,420	1,680	229	168	168
13	148	186	217	390	266	2,100	11,200	2,250	1,460	220	170	168
14	146	186	220	313	386	2,200	11,900	2,150	1,340	220	183	168
15	151	194	220	588	486	2,000	12,500	2,100	1,180	214	197	168
16	153	197	214	1,040	442	1,860	12,900	2,000	1,080	211	170	168
17	153	194	211	727	486	1,950	14,300	1,950	1,000	208	163	166
18	156	200	189	650	556	2,520	14,600	1,900	938	211	166	168
19	156	202	189	490	510	3,030	14,600	1,770	840	211	158	168
20	153	202	189	438	545	3,030	12,900	1,680	769	202	158	168
21	163	202	184	422	1,260	3,460	11,200	1,590	685	197	158	168
22	163	205	180	378	2,050	4,480	10,200	1,500	628	192	158	168
23	163	205	176	330	2,900	4,030	9,620	1,420	556	186	156	166
24	166	202	178	296	2,960	2,900	10,900	1,380	500	186	153	166
25	170	205	183	282	2,520	2,200	9,310	1,260	464	186	153	166
26	170	200	183	269	1,680	1,820	7,550	1,140	430	178	153	156
27	170	200	192	279	1,140	1,540	6,760	1,000	398	173	151	166
28	170	200	194	286	938	1,340	6,040	938	363	170	151	166
29	170	197	202	282	872	1,220	5,600	827	345	176	148	166
30	170	200	205	266	-	1,140	5,390	775	330	178	146	166
31	170	-	202	286	-	1,220	-	745	-	173	148	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,795	170	142	155	9,510
November	5,743	205	170	191	11,390
December	6,118	220	176	197	12,130
Calendar year 1935	398,592	11,200	126	1,092	790,600
January	10,866	1,040	202	351	21,550
February	23,082	2,960	226	796	45,780
March	68,100	4,430	1,000	2,197	135,100
April	219,264	14,600	938	7,309	434,900
May	71,795	5,080	745	2,316	142,400
June	33,392	2,420	330	1,113	66,230
July	6,727	310	170	217	13,340
August	5,158	214	146	166	10,230
September	4,938	170	148	165	9,790
Water year 1935-36	459,978	14,600	142	1,257	912,400

Owyhee River below Owyhee Dam, Oreg.

Location.- Water-stage recorder, lat. 43°39'10", long. 117°15'0", in sec. 17, T. 22 S., R. 45 E., three-quarters of a mile below Owyhee Dam. Zero of gage is 2,343.67 feet above mean sea level.

Records available.- February 1929 to September 1936.

Extremes.- Maximum discharge during year, 12,100 second-feet Apr. 20 (gage height, 11.58 feet); minimum, about 9 second-feet at times October to December.
1929-36: Maximum discharge, 14,600 second-feet Mar. 21, 1932 (gage height, 12.79 feet); no flow for a few hours Aug. 8, 9, 1932, when temporary diversion tunnel above gage was closed.

Remarks.- Records good except those below 100 second-feet, which are fair. Discharge estimated for Oct. 1 to Mar. 24 on basis of leakage data furnished by U. S. Bureau of Reclamation and two discharge measurements. Diversions for irrigation above station. Flow regulated since Oct. 16, 1932, by Owyhee Dam, which was completed by U. S. Bureau of Reclamation in September 1932. Records furnished by U. S. Bureau of Reclamation and State engineer.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 25, 26, June 25, 26, July 31, Aug. 1)

1.0	91	4.5	1,590
1.4	156	5.0	1,970
1.8	243	6.0	2,900
2.2	349	7.0	4,060
2.6	480	8.0	5,450
3.0	660	9.0	7,100
3.5	930	10.0	8,950
4.0	1,240	11.4	11,700

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							588	4,860	160	197	94	197
2							660	5,000	160	201	201	199
3					*10		685	4,720	149	204	201	199
4							735	3,580	241	204	201	174
5							788	2,500	1,200	204	199	149
6							815	2,450	2,600	204	201	149
7							842	2,900	2,090	204	201	149
8							930	3,460	532	204	201	149
9							1,200	3,460	431	204	201	149
10							1,770	3,230	1,810	206	199	152
11							2,600	2,360	2,010	206	193	152
12							3,820	972	1,230	206	193	152
13						11	5,610	1,200	788	204	195	154
14							6,590	2,010	788	204	195	154
15							6,410	1,770	815	204	197	162
16							6,410	1,110	660	204	195	172
17							4,860	1,310	500	201	193	184
18		*9					6,410	1,560	263	176	195	174
19							7,820	1,420	121	174	195	176
20							9,740	870	123	174	204	172
21							11,700	990	123	176	224	172
22							9,330	1,140	124	195	224	176
23							9,140	990	121	210	224	178
24							9,710	960	98	208	221	180
25						11	9,710	900	65	208	221	180
26						21	7,280	815	116	208	224	180
27						101	6,750	588	226	208	212	178
28						193	6,750	338	195	208	193	178
29						302	5,450	226	193	206	201	176
30						381	4,720	162	195	199	197	115
31						480	-	160	-	53	199	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	279	-	-	9	553
November	270	-	-	9	536
December	310	-	-	10	615
Calendar year 1935	35,874	291	-	98.3	71,160
January	310	-	-	10	615
February	290	-	-	10	575
March	1,753	480	-	56.5	3,480
April	149,823	11,700	588	4,994	297,200
May	58,011	5,000	160	1,871	115,100
June	18,127	2,600	65	604	35,950
July	6,064	210	53	196	12,030
August	6,194	224	94	200	12,290
September	5,031	199	115	168	9,980
Water year 1935-36	246,462	11,700	-	673	488,900

*Discharge measurement.

Boise River near Twin Springs, Idaho

Location.- Water-stage recorder, lat. 43°40', long. 115°44', in sec. 27, T. 4 N., R. 6 E., a quarter of a mile above Birch Creek, 1½ miles above flow line of Arrowrock Reservoir, 4 miles below Twin Springs, and 13 miles above Arrowrock.

Drainage area.- 830 square miles.

Records available.- March 1911 to September 1936.

Average discharge.- 25 years, 1,120 second-feet.

Extremes.- Maximum discharge during year, 8,880 second-feet Apr. 23 (gage height, 7.70 feet); minimum, 133 second-feet Dec. 15, 16 (gage height, 1.56 feet).
1911-36: Maximum discharge, 10,300 second-feet May 17, 1927 (gage height, 8.30 feet); minimum, that of Dec. 15, 16, 1935.

Remarks.- Records good except those for periods of ice effect, Dec. 6, 17-19, 22-28, Jan. 27 to Feb. 20 which were computed on basis of weather records, one discharge measurement, and records for nearby stations and are fair. No diversions or regulation.

Rating tables, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Dec. 20 to Apr. 23)

Oct. 1 to Dec. 19		Dec. 20 to Sept. 30			
1.5	115	1.9	235	5.1	3,670
1.7	180	2.3	425	5.5	4,330
1.9	265	2.7	695	5.9	5,040
2.1	370	3.1	1,065	6.3	5,800
		3.5	1,500	6.7	6,600
		3.9	1,980	7.1	7,410
		4.3	2,500	7.5	8,250
		4.7	3,060	7.8	8,880

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	256	285	180	298	250	365	398	3,910	4,860	995	392	293
2	252	310	188	316	260	420	386	3,910	4,500	935	398	284
3	252	300	200	288	270	461	398	4,160	3,750	895	431	306
4	252	265	275	316	280	473	398	5,040	3,360	847	403	355
5	252	275	326	298	280	485	376	5,420	3,140	802	376	350
6	256	326	330	293	270	492	381	4,680	3,140	775	360	345
7	260	310	337	280	270	530	431	3,910	3,990	759	365	320
8	260	300	332	298	260	571	550	3,590	3,750	767	355	311
9	260	326	310	325	250	571	820	3,750	3,140	955	345	298
10	260	285	295	316	250	557	985	4,330	2,710	829	355	293
11	260	224	295	325	260	550	1,560	5,230	2,640	802	467	288
12	275	315	326	330	280	564	2,440	5,800	2,710	751	420	284
13	310	320	320	330	280	550	3,210	6,600	2,780	695	386	284
14	285	260	256	320	275	492	3,510	7,200	2,640	658	365	293
15	285	256	166	320	280	455	3,750	7,410	2,710	620	350	306
16	290	337	156	335	290	437	4,240	6,200	2,500	592	340	311
17	285	320	150	320	300	443	5,040	5,040	2,300	564	335	311
18	285	315	170	311	310	449	6,000	4,500	2,240	550	320	306
19	285	290	200	306	320	485	6,800	4,500	2,110	530	316	298
20	280	290	255	302	330	606	6,800	4,080	1,980	504	316	288
21	280	275	255	302	330	811	6,600	3,510	1,920	492	311	284
22	280	270	260	302	340	775	6,400	2,990	1,800	479	311	284
23	260	310	270	293	360	688	8,460	2,780	1,740	498	302	280
24	270	290	280	280	350	635	7,620	2,920	1,740	504	298	280
25	295	256	290	243	340	564	6,400	3,360	1,680	461	298	280
26	290	270	300	235	325	544	5,230	3,990	1,500	443	298	275
27	285	310	300	250	320	*518	4,500	4,500	1,390	431	293	280
28	280	290	300	250	330	492	4,080	4,680	1,270	420	293	280
29	280	238	302	230	340	467	3,750	4,860	1,150	414	284	284
30	285	192	298	220	-	414	3,910	4,680	1,060	403	280	284
31	256	-	302	230	-	437	-	4,860	-	398	293	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	8,461	310	252	273	0.329	0.38	16,780
November	8,610	337	192	287	.346	.39	17,080
December	8,224	337	150	265	.319	.37	16,310
Calendar year 1935	357,101	4,780	150	978	1.18	16.02	708,300
January	9,062	335	220	292	.352	.41	17,970
February	8,600	360	250	297	.358	.39	17,060
March	16,301	811	365	526	.634	.73	32,330
April	105,423	8,460	376	3,514	4.23	4.72	209,100
May	142,390	7,410	2,780	4,593	5.53	6.38	282,400
June	76,200	4,860	1,060	2,540	3.06	3.41	151,100
July	19,768	995	398	638	.769	.89	39,210
August	10,656	467	280	344	.414	.48	21,140
September	8,935	355	275	298	.359	.40	17,720
Water year 1935-36	422,630	8,460	150	1,155	1.39	18.95	838,200

*Interpolated.

Arrowrock Reservoir at Arrowrock, Idaho

Location.- Lat. 43°36', long. 115°55', in E½ sec. 13, T. 3 N., R.4 E., at Arrowrock, 22 miles by road east of Boise. Gage reads sea level elevations.

Records available.- October 1917 to September 1936.

Extremes.- Maximum contents during year, 285,500 acre-feet June 1, 2 (gage height, 3,214.0 feet); natural flow passing through reservoir Oct. 23-25.
1917-36: Maximum contents, 286,100 acre-feet May 19, 20, 1925 (gage height, 3,214.2 feet); no storage for periods during several years when natural flow was passing through reservoir.

Remarks.- Capacity of reservoir is 276,500 acre-feet between elevations 2,967.0 and 3,211.0 feet. Stored water is used for irrigation of land in Boise Valley. Sluice gates open and natural flow of river passing through dam Oct. 23-25. Gage-height record and table of storage capacity furnished by U. S. Bureau of Reclamation.

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	11,040	2,610	24,830	25,320	36,570	77,620	96,180	267,100	285,500	256,800	149,400	49,710
2	11,000	2,282	23,610	26,510	37,780	78,460	98,390	268,300	285,500	252,600	146,600	47,200
3	11,200	2,240	22,320	27,360	38,920	79,300	100,400	268,600	284,300	248,100	143,600	44,700
4	11,330	2,102	20,940	28,500	40,170	80,000	102,600	269,400	284,600	243,700	140,400	41,610
5	11,260	1,780	19,770	29,960	41,610	80,600	104,700	270,600	284,300	239,300	137,000	38,680
6	11,100	1,660	18,650	30,960	42,780	80,600	106,700	270,600	284,000	235,400	133,800	37,700
7	10,970	1,830	17,680	31,690	44,000	80,600	108,800	269,200	284,300	230,700	130,400	37,700
8	10,880	1,905	16,880	32,430	45,100	80,750	111,100	268,300	285,200	226,300	127,000	37,540
9	10,880	1,944	16,410	33,720	46,100	80,900	114,500	267,700	284,900	221,900	123,400	37,380
10	10,970	4,248	15,620	34,730	47,100	81,200	119,300	268,300	284,000	219,000	120,100	37,220
11	11,070	5,965	14,640	35,770	48,400	81,500	125,500	269,200	283,700	215,800	116,800	36,980
12	11,130	7,475	13,690	36,890	49,710	81,650	135,000	270,600	283,400	213,200	113,800	36,730
13	11,230	9,360	12,960	38,190	51,470	82,100	147,000	271,800	283,400	210,500	110,800	36,410
14	11,330	11,040	12,160	38,600	52,900	82,400	162,100	272,600	283,400	207,200	107,700	35,210
15	9,670	12,440	11,100	39,000	54,720	81,950	178,200	274,700	283,400	204,100	104,700	32,210
16	8,170	13,690	9,670	39,000	55,680	81,200	194,700	276,500	283,400	201,000	101,300	28,840
17	6,395	15,220	8,605	37,950	57,000	81,200	211,000	277,400	283,100	197,600	97,540	25,500
18	5,180	16,580	8,170	37,380	58,800	81,200	225,800	277,100	282,800	194,300	93,740	22,710
19	3,585	17,950	7,918	37,140	60,000	81,200	237,200	277,400	282,500	190,800	90,060	19,870
20	1,842	19,180	8,750	35,850	61,560	81,650	247,200	278,900	282,500	187,600	86,150	16,970
21	1,160	20,370	10,240	35,130	62,990	82,850	257,300	279,500	281,900	183,900	82,400	14,140
22	705	21,460	11,690	34,340	64,940	84,950	264,800	278,600	281,000	180,400	78,740	11,040
23	0	22,710	12,960	33,260	66,890	86,750	268,000	279,200	279,200	176,800	75,240	10,040
24	0	23,380	14,250	32,350	68,710	88,140	270,900	279,800	276,800	173,800	72,350	10,140
25	0	25,250	15,620	31,400	70,530	89,260	270,600	280,100	274,700	170,500	69,490	9,949
26	1,445	26,380	17,010	30,250	72,090	89,900	269,200	281,000	272,300	167,400	66,630	9,670
27	2,170	27,560	18,510	30,390	73,420	90,380	267,700	281,900	270,000	164,400	63,770	9,577
28	2,522	27,490	19,870	31,540	74,960	90,860	266,500	283,400	267,100	161,500	60,780	9,484
29	3,179	26,900	21,360	33,180	76,500	91,340	265,400	284,000	264,200	158,400	57,840	9,360
30	3,941	26,000	22,600	34,420	-	91,660	265,400	284,000	260,700	155,200	54,720	9,205
31	3,248	-	23,950	35,450	-	93,900	-	284,900	-	152,300	52,240	-

Note.- These values do not allow for possible silt effect, which project officials indicate may have reduced the total capacity as much as 5,000 to 6,000 acre-feet.

Boise River at Dowling ranch, near Arrowrock, Idaho

Location.- Water-stage recorder, lat. 43°35', long. 115°58', in sec. 15, T. 3 N., R. 4 E., at Dowling Ranch, three-quarters of a mile above Moore Creek and 4 miles below Arrowrock.
Drainage area.- 2,230 square miles.
Records available.- March 1911 to September 1936.
Average discharge.- 25 years, 2,230 second-feet.
Extremes.- Maximum discharge during year, 15,800 second-feet Apr. 24 (gage height, 9.27 feet); minimum discharge. 2 second-feet Nov. 19-27, Feb. 1-10; minimum gage height, 0.62 foot Nov. 21, 22.
1911-36: Maximum discharge, 17,600 second-feet May 11, 1928 (gage height, 9.55 feet); minimum discharge, that of Nov. 19-27, Feb. 1-10, 1936; minimum gage height, that of Nov. 21, 22, 1935.
Remarks.- Records good. Discharge for period of ice effect, Jan. 6, 7, Jan. 31 to Feb. 13, and for Nov. 9, Dec. 1, 19, Jan. 2, 3, Apr. 17, 18 computed on basis of Arrowrock gate openings, weather records, discharge measurements and field estimates. Flow regulated by storage in Arrowrock Reservoir. No diversions above station. Gage-height record furnished by U. S. Bureau of Reclamation. Four discharge measurements furnished by water master for Boise River.

Rating tables, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 30 to Apr. 15)

Oct. 1 to Apr. 24						Apr. 25 to Sept. 30					
0.6	2	3.5	1,350	6.5	7,060	2.6	540	5.0	3,540	7.4	9,560
1.0	15	4.0	1,980	7.0	8,420	3.0	830	5.4	4,340	7.8	10,790
1.5	105	4.5	2,740	7.5	9,870	3.4	1,200	5.8	5,220	8.2	12,070
2.0	260	5.0	3,650	8.0	11,420	3.8	1,650	6.2	6,190	8.6	13,390
2.5	510	5.5	4,670	8.5	13,050	4.2	2,190	6.6	7,250	9.1	15,090
3.0	860	6.0	5,810	9.0	14,760	4.6	2,820	7.0	8,380		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	522	712	967	3	2	395	24	8,090	9,260	3,930	2,260	1,840
2	534	691	986	80	2	570	21	8,380	8,960	3,930	2,260	1,840
3	287	664	1,030	260	2	728	19	8,670	7,250	3,930	2,340	2,050
4	546	677	1,060	80	2	869	20	9,860	6,710	3,830	2,340	2,190
5	522	635	1,100	48	2	1,070	17	10,800	6,320	3,730	2,340	1,560
6	546	616	1,130	152	2	1,120	16	10,500	6,060	3,730	2,340	915
7	540	635	1,090	197	2	1,280	17	8,960	6,980	3,730	2,340	735
8	534	649	1,030	154	2	1,280	19	8,090	7,250	3,640	2,340	712
9	474	364	1,020	115	2	1,280	30	7,810	6,320	3,440	2,340	705
10	468	5	1,060	115	2	1,280	31	8,380	5,570	3,080	2,340	705
11	486	3	1,100	181	5	1,280	37	9,560	5,100	2,990	2,340	705
12	498	3	1,080	236	10	1,300	42	10,800	5,100	2,820	2,490	705
13	498	3	1,030	322	15	1,280	50	12,400	5,100	2,900	2,420	705
14	960	3	1,010	546	11	1,400	52	12,400	4,990	2,900	2,420	1,910
15	1,120	3	932	750	8	1,460	362	12,700	4,880	2,820	2,420	2,190
16	1,090	3	765	959	5	1,340	1,510	11,800	4,770	2,740	2,420	2,190
17	1,100	3	684	1,020	5	1,210	3,500	10,500	4,440	2,740	2,490	2,050
18	1,100	3	450	1,010	5	1,200	7,350	9,260	4,130	2,740	2,490	1,980
19	1,090	2	400	1,030	4	1,200	9,280	8,090	3,930	2,740	2,420	1,910
20	914	2	6	1,070	4	1,010	9,570	7,810	3,730	2,740	2,420	1,980
21	663	2	4	1,090	9	1,040	9,870	7,530	3,730	2,740	2,420	1,910
22	656	2	3	1,050	10	968	11,700	6,190	3,930	2,740	2,340	1,390
23	570	2	3	1,040	10	1,000	14,800	5,820	4,130	2,650	2,120	586
24	558	2	3	1,030	7	1,040	15,100	5,940	4,340	2,570	1,980	612
25	480	2	3	1,040	9	1,090	14,400	6,190	4,130	2,490	1,980	654
26	400	2	3	844	10	1,150	12,700	6,980	3,930	2,420	1,980	633
27	444	308	3	80	6	1,180	11,400	7,810	3,830	2,420	1,980	626
28	417	765	3	24	6	1,180	10,200	8,670	3,730	2,420	1,980	619
29	355	860	3	5	149	1,180	8,960	8,960	3,730	2,340	1,980	626
30	576	860	3	4	-	432	8,090	8,380	3,730	2,190	1,980	633
31	758	-	3	3	-	23	-	8,670	-	2,260	1,910	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	19,706	1,120	287	636	39,090
November	8,501	860	2	283	16,860
December	17,964	1,130	3	579	35,630
Calendar year 1935	693,883	8,990	2	1,901	1,376,000
January	14,538	1,090	3	469	28,840
February	308	149	2	10.6	611
March	32,835	1,460	23	1,059	65,130
April	149,187	15,100	16	4,973	295,900
May	276,000	12,700	5,820	8,903	547,400
June	156,060	9,260	3,730	5,202	309,500
July	92,340	3,930	2,190	2,979	183,200
August	70,220	2,490	1,910	2,265	139,300
September	37,866	2,190	586	1,262	75,110
Water year 1935-36	875,525	15,100	2	2,392	1,737,000

Boise River at Barber, Idaho

Location.- Water-stage recorder, lat. 43°34', long. 116°8', in SW¼ sec. 29, T. 3 N., R. 3 E., 400 feet below Barber Dam, a quarter of a mile southwest of Barber post office, and 5 miles southeast of Boise.

Records available.- December 1935 to March 1936.

Extremes.- Maximum discharge during period of record, 1,000 second-feet Mar. 9 (gage height, 3.63 feet) from rating curve extended above 300 second-feet; minimum, 1.8 second-feet Dec. 20 (gage height, 0.43 foot).

Remarks.- Records good. Discharge interpolated Dec. 5-9, Jan. 31 to Feb. 4. Flow regulated by storage in Arrowrock Reservoir and at diversion dam for New York Canal 2 miles upstream. Minor regulation at Barber Dam, immediately 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			-	61	72	19	300					*773
2			-	86	73	13						
3			-	51	74	11						
4			8.0	40	75	11						
5			8.0	47	76	70						
6			8.0	28	84	156						
7			8.0	15	86	238						
8			8.0	66	84	238						
9			8.0	76	84	259						
10			8.0	58	84	252						
11			7.6	44	84	252						
12			6.9	31	86	280						
13			6.6	23	114	163						
14			3.4	21	130	63						
15			3.2	17	124	102						
16			2.9	13	130	192						
17			2.6	11	127	38						
18			2.3	6.9	124	12						
19			2.0	7.2	119	23						
20			6.3	7.2	106	106						
21			33	6.6	196	242						
22			44	6.3	228	119						
23			43	5.6	119	50						
24			44	4.5	52	38						
25			47	4.1	36	43						
26			55	16	25	51						
27		*61	64	211	21	84						
28			80	99	18	192						
29			78	84	17	228						
30			80	70	-	245						
31			82	71	-	344						

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December 4-31	749.8	82	2.0	26.8	1,490
Calendar year					
January	1,287.4	211	4.1	41.5	2,550
February	2,648.0	228	17	91.3	5,250
March	4,134	344	11	133	8,200
April					
May					
June					
July					
August					
September					
Water year					

*Discharge measurement.

Boise River (north channel) near Eagle, Idaho

Location.- Water-stage recorder, lat. 43°41', long. 116°22', in NW¼ sec. 17., T. 4 N., R. 1 E., 550 feet below mouth of Dry Creek, 1 mile southwest of Eagle, and 3 miles above junction with south channel of Boise River at lower end of Eagle Island.

Records available.- December 1935 to September 1936 (incomplete).

Extremes.- Maximum discharge during period, 501 second-feet Feb. 22 (gage height, 2.18 feet) from rating curve extended above 250 second-feet; minimum, 38 second-feet Dec. 20 (gage height, 0.84 foot).

Remarks.- Records good. Flow regulated by storage in Arrowrock Reservoir and by numerous diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			-	93	93	125	222				-	105
2			-	118	97	146					-	108
3			-	111	89	143					-	112
4			-	93	95	146					-	133
5			-	85	93	138					-	140
6			-	83	95	190					-	140
7			46	75	95	222					-	105
8			46	69	108	244					-	119
9			45	111	91	252					-	102
10			46	100	91	252					-	92
11			45	100	89	244					-	86
12			45	79	97	256					-	83
13			45	69	104	256					-	73
14			43	64	122	151					-	73
15			43	66	118	140					-	86
16			43	64	122	178					-	105
17			43	60	113	140					136	119
18			41	59	113	106					130	95
19			40	55	111	93					126	108
20			38	53	111	111					126	108
21			40	52	190	194					126	119
22			45	52	401	171					119	133
23			52	50	244	135					112	170
24			66	50	165	111					112	130
25			68	50	132	93					130	126
26			71	48	113	81					105	130
27			79	116	108	87					99	126
28			87	108	108	104					99	116
29			89	89	111	120					95	116
30			93	83	-	100					99	122
31			97	102	-	211					119	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December 7-31	1,396	97	38	55.8	2,770
Calendar year					
January	2,407	118	48	77.6	4,770
February	3,619	401	89	125	7,180
March	4,940	256	81	159	9,800
April	-	-	-	-	-
May	-	-	-	-	-
June	-	-	-	-	-
July	-	-	-	-	-
August 17-31	1,733	136	95	116	3,440
September	3,380	170	73	113	6,700
Water year					

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Boise River (south channel) near Eagle, Idaho

Location.- Water-stage recorder, lat. 43°40'30", long. 116°24'30" in NW¼ sec. 24, T. 4 N., R. 1 W., 450 feet above bridge on Darland Lane, 600 feet below Phyllis Canal heading, 1 mile above junction with north channel of Boise River at lower end of Eagle Island, and 3½ miles southwest of Eagle.

Records available.- December 1935 to September 1936 (incomplete).

Extremes.- Maximum discharge during the period, 308 second-feet Feb. 22 (gage height, 2.36 feet) from rating curve extended above 120 second-feet; minimum, 1.9 second-feet Sept. 19 (gage height, 0.38 foot).

Remarks.- Records excellent. Discharge for Dec. 17, 18, 22, 23, Jan. 31, Feb. 15-17 computed on basis of regulation records of Boise Project and engineers observations. Flow regulated by storage in Arrowrock Reservoir and by numerous diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			-	41	53	53	136				-	32
2			-	58	50	53					-	29
3			-	58	47	53					-	38
4			-	49	47	50					-	29
5			-	46	46	42					-	26
6			31	46	47	76					-	24
7			30	41	47	96					-	12
8			30	39	46	114					-	24
9			30	56	46	117					-	29
10			31	56	43	126					-	20
11			31	53	44	123					-	19
12			33	47	48	124					-	19
13			31	43	53	134					-	18
14			29	42	61	71					-	31
15			29	42	60	62					-	12
16			28	43	62	87					-	3.7
17			27	41	58	74					26	4.0
18			26	40	57	47					21	2.2
19			26	37	54	40					34	10
20			27	36	54	44					43	19
21			27	35	114	91					42	26
22			28	34	228	82					37	32
23			29	32	139	64					37	66
24			29	32	98	48					37	26
25			32	32	77	41					38	12
26			33	31	64	37					62	5.2
27			36	58	56	36					53	2.5
28			37	61	61	44					47	2.5
29			39	53	58	57					40	2.4
30			40	50	-	49					33	2.4
31			41	56	-	110					38	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December 6-31	810	41	26	31.2	1,610
Calendar year					
January	1,388	61	31	44.8	2,750
February	1,918	228	43	66.1	3,800
March	2,245	134	36	72.4	4,450
April	-	-	-	-	-
May	-	-	-	-	-
June	-	-	-	-	-
July	-	-	-	-	-
August 17-31	588	62	21	39.2	1,170
September	577.9	66	2.2	19.3	1,150
Water year					

Boise River at Notus, Idaho

Location.- Water-stage recorder, lat. 43°43', long. 116°48', in SE¼ sec. 34, T. 5 N., R. 4 W., 360 yards upstream from steel highway bridge, a quarter of a mile southeast of Notus, and 7 miles northwest of Caldwell. Prior to Aug. 26, 1936, staff gage at same datum 360 yards downstream.

Records available.- April 1920 to September 1936.

Average discharge.- 14 years (1920-22, 1924-36), 1,100 second-feet.

Extremes.- Maximum discharge observed during year, 13,400 second-feet Apr. 24, 25 (gage height, 7.90 feet); minimum, 23 second-feet July 19 (gage height, 0.08 foot).
1920-36: Maximum discharge observed, 14,500 second-feet May 19, 20, 1921; maximum gage height, 7.90 feet Apr. 24, 25, 1936; minimum discharge, 10 second-feet Aug. 18, 1920.

Remarks.- Records good. Station is below all diversions for irrigation in Boise Valley. Flow regulated by storage in Arrowrock Reservoir. Numerous irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	37	820	415	435	415	710	615	5,330	5,330	36	34	28
2	37	615	415	820	458	710	678	5,330	6,410	34	34	29
3	36	558	435	678	435	710	710	5,590	5,590	33	34	30
4	34	558	415	645	505	678	745	6,130	3,630	46	34	32
5	32	505	415	558	480	710	745	7,270	2,980	46	34	32
6	33	505	415	480	480	678	678	8,810	2,780	44	33	32
7	33	505	415	458	480	745	678	7,270	3,630	109	33	34
8	33	558	395	435	435	780	678	5,330	5,590	98	36	37
9	31	558	415	505	395	780	780	4,820	4,820	125	36	36
10	31	530	415	678	435	820	1,100	4,570	3,630	105	38	37
11	29	530	435	678	458	780	1,450	5,070	2,590	79	33	38
12	29	530	435	615	458	820	1,930	6,130	2,160	75	38	36
13	30	530	415	558	505	860	2,000	7,270	1,860	45	39	36
14	30	558	415	558	505	780	1,930	8,490	1,710	33	39	38
15	37	530	395	558	505	585	1,860	8,810	1,580	31	42	38
16	38	530	377	585	530	585	2,000	8,810	1,270	42	38	38
17	60	530	377	558	480	710	3,410	7,270	1,000	34	42	39
18	79	530	359	505	505	585	5,330	5,860	678	26	40	41
19	84	530	342	558	505	585	10,100	4,820	458	23	38	44
20	103	530	342	558	480	558	10,800	4,090	230	26	33	43
21	131	530	326	505	860	645	10,500	3,410	142	26	33	44
22	282	530	359	480	3,410	710	10,800	2,980	92	28	32	42
23	326	530	377	480	1,640	585	11,900	1,640	88	34	32	43
24	395	530	377	480	905	585	13,000	1,270	40	33	37	49
25	585	530	395	480	710	558	13,000	1,390	42	32	34	59
26	645	505	395	415	645	558	11,900	1,780	79	30	27	50
27	585	505	435	415	615	480	10,500	2,590	56	30	28	48
28	585	458	415	480	745	480	9,130	2,980	53	33	28	50
29	585	458	435	458	645	505	7,870	4,330	49	36	30	48
30	585	458	435	458	-	480	5,330	4,570	49	34	31	50
31	585	-	415	458	-	530	-	4,090	-	36	29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,145	645	29	198	12,190
November	16,074	820	458	536	31,880
December	12,406	435	326	400	24,610
Calendar year 1935	214,194	5,070	24	587	424,900
January	16,532	820	415	533	32,790
February	19,624	3,410	395	677	38,920
March	20,285	860	480	654	40,230
April	152,147	13,000	615	5,072	301,800
May	158,100	8,810	1,270	5,100	313,600
June	58,616	6,410	40	1,954	116,300
July	1,442	125	23	46.5	2,860
August	1,069	42	27	34.5	2,120
September	1,201	59	28	40.0	2,380
Water year 1935-36	463,641	13,000	23	1,267	919,700

Diversions from Boise River, Idaho

Below mouth of Moore Creek and between gaging stations at Dowling ranch and Notus, 27 principal canals and several small farm laterals divert water from Boise River for irrigation. Records are available from 1919 to 1936. Record of daily diversions subsequent to 1915 on file in the office of Idaho commissioner of reclamation.

Daily gage-height records were obtained, frequent discharge measurements made, and records summarized under direction of W. E. Welsh, water master for Boise River.

Total amount of water, in acre-feet, diverted by each canal during irrigation season of 1936

Main canal of U. S. Bureau of Reclamation	606,930
Penitentiary	1,980
Ridenbaugh	146,950
Bubb	4,110
Consumers (Cruzen)	7,280
Boise City No. 1	8,400
Settlers	43,370
Thurman Mill	8,730
Farmers Union (includes Boise Valley diversion)	48,750
New Union (Little Union)	4,340
New Dry Creek (Dry Creek)	15,980
Ballantine	3,360
7 Eagle Island canals	14,230
Middleton Water Co.	22,580
Middleton Mill Ditch	22,080
Phyllis	99,310
Eureka No. 1	7,600
Pioneer (Little Pioneer)	8,350
Canyon County	17,750
Caldwell High Line	16,170
Riverside No. 2	52,470
Farmers Cooperative	72,500
Canyon (Campbell)	4,490
Seibenberg	2,550
Pioneer Dixie	8,770
Eureka No. 2	10,070
Upper Center Point	2,560
Lower Center Point	1,620
Miscellaneous	9,460
Total	1,274,740

Combined monthly discharge of canals diverting from Boise River, Idaho, 1936

Month	Discharge in second-feet			Run-off in acre-feet
	Maximum	Minimum	Mean	
April	4,925	8	2,018	120,060
May	5,986	4,979	5,663	348,130
June	5,542	4,322	4,757	283,090
July	4,721	2,830	3,746	230,360
August	3,096	2,473	2,855	175,520
September	2,895	1,335	1,975	117,530
The period.				1,274,740

Drains crossing Phyllis Canal to Boise River, Idaho

The Phyllis Canal diverts from the left bank of Boise River in sec. 24, T. 4 N., R. 1 W., 3½ miles southwest of Eagle. The canal traverses west and south through Nampa and thence westward passing through sec. 24, T. 3 N., R. 3 W., about 1½ miles north of the upper embankment of Deer Flat Reservoir. Eight principal drains cross the Phyllis Canal in this reach. Records of the flow of these drains at points from which the flow could be diverted, by gravity or pumping, into the Phyllis Canal have been collected during the winter season, Nov. 19, 1935, to Mar. 31, 1936.

A summary of the drain flow available for diversion during winter seasons is of interest inconjunction with records obtained at gaging stations on Boise River (North Channel) near Eagle and Boise River (South Channel) near Eagle to determine the feasibility of diverting water from these sources to supplement the storage impounded in Deer Flat Reservoir.

Mean monthly discharge in second-feet, winter season 1935-36

Drain	Nov. 19-30	Dec.	Jan.	Feb.	Mar.
Fivemile	9.1	7.5	11.9	8.0	7.2
Tenmile	5.1	4.1	7.0	4.1	4.0
Purdam	8.7	7.2	8.5	7.2	6.9
Mason	6.0	5.9	10.5	5.2	4.0
Indian Creek	21.4	19.0	20.3	15.6	15.7
Elijah	17.1	16.1	18.0	15.2	14.7
Wilson	19.4	19.5	23.9	23.8	24.9
Wilson (additional)	9.4	10.6	11.5	9.2	10.7
Upper Embankment	8.5	8.6	9.2	9.6	10.9
Combined discharge	104.7	98.5	120.8	97.9	99.0
Run-off in acre-feet	2,490	6,060	7,430	5,630	6,090
Total run-off in acre-feet, Nov. 19 to Mar. 31, 27,700.					

Note.- Determinations of mean monthly discharge were obtained from hydrographs drawn through periodical discharge measurements. All discharge measurements in this summary, together with many others made in the same connection, are included in the list of miscellaneous measurements at the end of this report.

South Fork of Boise River near Lenox, Idaho

Location.- Water-stage recorder, lat. 43°30', long. 115°41', in sec. 24, T. 2 N., R. 6 E., 1½ miles above mouth of Smith Creek, 4 miles above flow line of Arrowrock Reservoir, 4 miles west of discontinued Lenox post office, 13 miles above mouth of river, and 17 miles above Arrowrock Dam.

Drainage area.- 1,090 square miles.

Records available. March 1911 to September 1936.

Average discharge.- 25 years, 961 second-feet.

Extremes.- Maximum discharge during year, 8,400 second-feet Apr. 24 (gage height, 9.03 feet); minimum discharge recorded, 154 second-feet Dec. 2 (gage height, 1.89 feet). A lesser discharge may have occurred during period of ice effect about Dec. 16 or 17.
1911-36: Maximum discharge, 9,200 second-feet May 15, 1917 (gage height, 9.53 feet); minimum discharge, 111 second-feet Aug. 10, 1934; minimum gage height, 1.68 feet Sept. 5-7, 1931.

Remarks.- Records good except those computed on basis of weather records and records for Arrowrock Reservoir and other nearby stations, Oct. 25 to Nov. 15, Dec. 16-31, which are fair, and Jan. 16 to Apr. 4, which are poor. No 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	205		185	251				4,350	4,190	802	331	230
2	208		181	256				4,190	3,880	761	320	224
3	210		183	242			400	4,350	3,250	726	320	230
4	212		210	265				5,020	2,940	698	313	285
5	215		237	287				5,550	2,700	664	302	295
6	218		265	242			357	4,850	2,590	626	288	302
7	220		274	231			388	4,030	3,120	584	278	299
8	223	260	265	259			466	3,730	3,000	579	275	288
9	225		265	259			684	3,730	2,590	720	265	268
10	228		262	242			833	4,190	2,270	675	268	252
11	231		251	293			1,180	4,850	2,120	659	306	249
12	234		265	303			1,720	5,370	2,070	648	392	242
13	237		268	300			2,280	5,910	2,070	594	466	242
14	239		239	297			2,820	6,290	2,020	558	396	246
15	242		205	297			3,120	6,670	1,980	513	349	252
16	242	284					3,660	6,090	1,880	466	320	252
17	245	284					4,510	5,020	1,740	448	302	252
18	245	281					5,730	4,350	1,660	435	288	252
19	239	274					6,480	4,190	1,580	417	278	252
20	242	256					6,670	3,880	1,500	417	268	252
21	239	251					6,860	3,380	1,380	405	265	252
22	237	242					7,050	3,000	1,300	380	258	249
23	234	256	225	250			7,620	2,760	1,270	384	242	249
24	228	281					7,620	2,700	1,200	388	227	246
25		262					6,860	2,880	1,200	376	221	242
26		234					6,090	3,180	1,130	361	221	242
27	240	237					5,370	3,590	1,060	346	224	239
28		248					5,020	3,880	965	338	224	246
29		231					4,510	4,030	900	334	224	255
30		205					4,350	3,730	838	338	227	252
31		-					-	3,730	-	338	227	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	7,179	-	205	232	0.213	0.25	14,240
November	7,726	284	205	258	.237	.26	15,320
December	7,155	274	-	231	.212	.24	14,190
Calendar year 1935	304,443	4,030	-	834	.765	10.39	603,800
January	8,024	303	-	259	.238	.27	15,920
February	7,975	-	-	275	.252	.27	15,820
March	15,500	-	-	500	.459	.53	30,740
April	104,248	7,620	-	3,475	3.19	3.56	206,800
May	133,470	6,670	2,700	4,305	3.95	4.55	264,700
June	60,393	4,190	838	2,013	1.85	2.06	119,800
July	15,978	802	334	515	.472	.54	31,690
August	8,885	466	221	287	.263	.30	17,620
September	7,636	302	224	255	.234	.26	15,150
Water year 1935-36	384,169	7,620	-	1,050	.963	13.09	762,000

Little Camas Reservoir near Bennett, Idaho

Location.- Staff gage near left end of dam, lat. 43°21', long. 115°23', in NE¼ sec. 9, T. 1 S., R. 9 E., 4 miles northeast of Bennett and 22 miles northeast of Mountain Home.

Drainage area.- 31.8 square miles.

Records available.- March 1924 to September 1936.

Extremes.- Maximum stage observed during year, 4,963.00 feet June 13; minimum, 4,934.50 feet Apr. 3.
1924-36: Maximum stage, 4,965.5 feet May 26, 1928; practically no storage after irrigation season of each year.

Remarks.- Records good. Capacity of reservoir is 22,300 acre-feet between gage heights of 4,931.0 and 4,965.0 feet. Water used for irrigation on about 5,000 acres of land in vicinity of Mountain Home. Gage-height record furnished by Mountain Home Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	-	-	61.86	59.20	
2							-	57.80	-	61.74	58.03	
3							34.50	-	-	61.62	57.91	
4							-	58.40	62.50	61.54	57.80	
5							-	-	-	61.40	57.65	
6							-	59.05	62.60	61.28	57.51	
7							-	-	62.72	61.15	57.36	
8							34.55	59.55	62.80	61.03	57.24	
9							-	59.80	62.86	60.95	57.08	
10							-	-	62.90	60.85	56.95	
11							34.78	-	-	60.80	56.84	
12							-	-	-	60.70	56.70	
13							-	60.50	63.00	60.61	56.56	
14							-	-	62.99	60.48	56.42	
15							37.58	-	62.97	60.38	56.32	
16							-	60.90	62.93	60.26	56.15	
17							-	-	62.90	60.12	56.00	
18							42.25	61.20	62.86	60.06	55.82	54.32
19							-	-	62.81	59.91	55.66	
20							-	-	62.75	59.80	55.52	
21							-	-	62.71	59.66	55.36	
22							-	61.60	62.62	59.50	55.22	
23							-	-	62.58	59.38	55.06	
24							-	-	62.50	59.26	54.87	
25							-	-	62.44	59.15	54.70	
26							54.88	-	62.40	59.00	54.56	
27							-	-	62.30	58.86	54.40	
28							-	62.10	62.20	58.70	54.18	
29							56.60	-	62.08	58.59	54.04	
30							57.00	-	61.96	58.46	-	
31							-	-	-	58.32	-	

Note.- Add 4,900 feet to obtain elevations referred to datum of the Mountain Home Irrigation District.

Little Camas Canal at heading, near Bennett, Idaho

Location.- Staff gage, lat. 43°21'30", long. 115°23', in sec. 9, T. 1 S., R. 9 E., 400 feet below Little Camas Reservoir, 4 miles northeast of Bennett, and 22 miles northeast of Mountain Home.

Records available.- June to November 1917, April 1924 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge during year, 58 second-feet July 7-9, 22; maximum gage height, 2.18 feet July 7-9; no flow except during irrigation season.
1917, 1924-36: Maximum discharge, 77 second-feet Apr. 27-30, May 1, 3, 9, 1924; no flow except during irrigation seasons.

Remarks.- Records good. Canal diverts water from Little Camas Reservoir in sec. 9, T. 1 S., R. 9 E., which is discharged into Long Tom Basin and stored in Long Tom Reservoir for irrigation of 5,000 acres of land near Mountain Home. No diversions above gage. Flow regulated by head gates at Little Camas Reservoir. Gage-height record furnished by Mountain Home Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									0	54	57	
2									0	56	57	
3									0	57	57	
4									0	57	57	
5									0	57	57	
6									5	57	56	
7									15	57	56	
8									15	58	56	
9									6	48	56	
10									0	45	56	
11									0	48	56	
12									0	48	56	
13									7	49	55	
14									22	50	55	
15									22	52	55	
16									22	53	55	
17									25	53	54	
18									28	55	55	
19									33	56	56	
20									34	56	56	
21									34	57	55	
22									36	58	55	
23									40	57	55	
24									43	57	55	
25									27	57	55	
26									43	57	55	
27									46	57	55	
28									47	57	55	
29									48	57	37	
30									51	57	0	
31									-	57	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	3,601	60	0	9.9	7,140
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	651	51	0	21.7	1,290
July	1,694	58	45	54.6	3,360
August	1,595	57	0	51.5	3,160
September	0	0	0	0	0
Water year 1935-36	3,940	58	0	10.8	7,810

Moore Creek near Arrowrock, Idaho

Location.- Staff gage, lat. 43°35', long. 115°59', in sec. 21, T. 3 N., R. 4 E., at bridge on Boise-Arrowrock highway a quarter of a mile above mouth and 3 miles southwest of Arrowrock.

Drainage area.- 426 square miles.

Records available.- October 1914 to September 1936 (discharge measurements only prior to December 1915).

Average discharge.- 20 years (1916-36), 286 second-feet.

Extremes.- Maximum discharge observed during year, 4,550 second-feet Apr. 19 (gage height, 6.2 feet, from high-water mark); minimum discharge, 18 second-feet Dec. 22; minimum gage height, 0.36 foot Aug. 26.

1915-36: Maximum discharge observed, that of Apr. 19, 1936; maximum gage height, 6.3 feet (former datum) Apr. 11, 1916; minimum discharge, 7.9 second-feet Aug. 13-15, 17, 18, 1924; minimum gage height, 0.22 foot (present datum) Aug. 16, 18, 19, 1934.

Remarks.- Records fair. No important diversions above station. Gage-height record furnished by board of control for Boise Project. Six discharge measurements furnished by water master for Boise River and by Board of Control.

Discharge, 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	30	27	49	42	156	238	1,300	635	180	38	31
2	22	39	24	51	56	208	208	1,210	635	144	36	31
3	21	28	22	54	47	238	222	1,210	500	127	38	35
4	21	23	22	62	70	272	238	1,210	525	115	37	45
5	20	22	20	96	68	272	272	1,210	478	96	31	53
6	20	30	26	90	76	254	238	1,160	410	82	31	47
7	19	30	35	70	75	272	308	1,040	698	82	29	47
8	21	33	49	70	45	289	410	995	665	111	29	48
9	23	48	58	68	51	289	730	955	525	121	31	41
10	28	36	60	58	49	272	995	1,040	432	123	30	38
11	24	29	65	73	49	289	1,400	995	410	111	36	38
12	25	36	78	82	62	308	1,930	1,080	410	105	66	37
13	28	40	71	87	113	347	2,290	1,120	367	113	49	39
14	29	35	54	92	103	289	2,550	1,120	367	89	49	40
15	31	34	34	99	113	238	2,950	1,210	327	78	48	42
16	32	48	25	96	111	238	3,230	1,120	289	71	42	46
17	35	49	22	85	94	272	3,090	955	238	62	38	46
18	36	58	22	70	87	327	3,800	838	222	62	36	42
19	38	54	21	66	89	327	4,100	800	208	59	32	45
20	36	56	29	71	87	410	3,800	800	208	51	35	41
21	34	49	22	70	96	525	3,570	665	193	48	35	39
22	30	45	18	59	123	478	3,230	605	208	46	31	38
23	28	58	21	48	156	432	3,800	635	193	52	28	39
24	31	60	24	47	144	388	3,570	500	222	54	27	37
25	29	56	27	51	131	327	2,680	525	238	52	27	36
26	32	58	29	42	119	308	2,170	578	238	47	25	36
27	31	54	35	40	117	308	1,820	550	289	42	30	35
28	29	54	45	53	119	347	1,600	605	289	42	30	31
29	31	43	43	42	121	308	1,500	550	254	38	29	36
30	30	33	48	35	-	238	1,400	525	208	38	30	38
31	27	-	51	38	-	272	-	525	-	38	33	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	865	38	19	27.9	0.065	0.07	1,720
November	1,268	60	22	42.3	.099	.11	2,520
December	1,127	78	18	36.4	.085	.10	2,240
Calendar year 1935	86,227	1,930	16	236	.554	7.52	171,000
January	2,014	99	35	65.0	.153	.18	3,990
February	2,613	156	42	90.1	.212	.23	5,180
March	9,498	525	156	306	.718	.83	18,840
April	57,939	4,100	208	1,931	4.53	5.05	114,900
May	27,631	1,300	500	891	2.09	2.41	54,810
June	10,881	698	193	363	.852	.95	21,580
July	2,479	180	38	80.0	.188	.22	4,920
August	1,086	66	25	35.0	.082	.09	2,150
September	1,197	53	31	39.9	.094	.10	2,370
Water year 1935-36	116,598	4,100	16	324	.761	10.34	235,200

Deer Flat Reservoir near Caldwell, Idaho

Location.- Staff gage at each end of reservoir, attached to outlet structures. One is at lower embankment, lat. 43°35', long. 116°45', in SE¼ sec. 19, T. 3 N., R. 3 W., 5 miles south and 2 miles west of Caldwell. The other is at upper embankment, lat. 43°34', long. 116°39', in NW¼ sec. 36, T. 3 N., R. 3 W., 1 mile south and 4 miles west of Nampa.

Records available.- October 1917 to September 1936.

Extremes.- Maximum contents during year, 178,300 acre-feet May 4 (gage height, 30.12 feet); minimum, 7,604 acre-feet Oct. 28.
1917-36: Maximum contents, 178,900 acre-feet Apr. 27, 28, 1922, and Apr. 24, 1932 (gage height, 30.18 feet); minimum, 5,390 acre-feet Oct. 22, 1924.

Remarks.- Reservoir has a capacity of 177,153 acre-feet between gage heights 0.0 and 30.0 feet. In addition to local drainage, water for storage is diverted from Boise River at diversion 8 miles below mouth of Moore Creek and carried to reservoir through main canal of the Boise project. It is used for irrigation of lower project lands. Gage-height record and table of storage capacity furnished by board of control for Boise Project.

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	10,550	8,344	29,780	64,120	90,740	93,470	160,400	177,700	149,700	141,500	81,540	32,520
2	10,390	9,960	31,820	64,120	90,600	93,900	160,200	177,800	149,700	138,900	79,920	31,260
3	10,300	11,940	33,790	64,240	90,460	95,200	159,200	178,100	149,700	136,400	78,300	30,000
4	10,220	13,320	35,940	64,240	90,390	96,810	159,600	178,300	149,900	133,600	76,630	29,070
5	10,110	14,730	37,780	64,300	90,320	99,020	159,100	178,100	150,600	131,300	75,110	28,330
6	10,090	16,170	39,520	64,360	90,320	101,800	158,700	177,700	152,300	128,900	73,470	27,680
7	9,983	17,650	41,210	64,420	89,750	104,100	158,300	177,200	154,100	126,800	71,970	27,030
8	9,864	19,310	43,340	64,610	89,540	106,700	157,800	177,500	156,400	124,400	70,170	26,390
9	9,661	20,910	45,450	64,860	89,320	108,900	157,700	177,500	158,700	122,500	68,510	25,650
10	9,443	21,860	47,400	65,110	89,040	111,500	157,300	177,400	161,100	120,200	66,800	25,020
11	9,180	22,760	49,760	65,550	88,970	113,600	156,900	176,900	163,600	118,500	65,110	24,400
12	8,951	23,160	51,330	66,170	88,970	115,800	156,700	176,200	166,100	116,900	63,560	23,680
13	8,759	23,570	54,060	66,610	88,970	118,400	156,400	175,200	168,000	115,700	62,090	23,170
14	8,558	23,580	56,100	67,240	88,900	120,100	156,700	173,400	169,900	114,100	60,680	22,370
15	8,273	23,660	58,160	68,640	88,830	122,600	157,800	171,900	171,100	112,200	58,760	21,830
16	7,958	23,770	59,840	70,170	88,620	125,300	159,600	170,200	172,300	110,400	57,450	21,220
17	7,980	23,960	61,290	71,580	88,480	127,800	161,900	168,500	172,800	108,700	55,920	20,750
18	8,098	24,100	62,390	73,340	88,410	130,000	164,500	167,500	172,300	106,700	54,520	20,350
19	8,014	24,220	63,000	75,370	88,410	132,400	167,000	165,500	171,300	104,800	52,690	19,830
20	8,003	24,330	63,310	77,100	88,340	134,900	169,400	164,200	169,700	103,000	50,930	19,430
21	7,879	24,430	63,990	79,380	88,190	137,200	171,600	162,800	167,500	100,900	49,100	19,120
22	7,857	24,540	63,990	81,480	88,900	139,400	173,200	161,500	165,200	98,720	47,230	18,750
23	7,802	24,680	63,990	83,190	90,460	141,800	174,600	160,200	162,400	96,810	45,510	18,370
24	7,813	24,850	63,990	84,980	91,890	143,900	175,600	158,900	160,000	94,840	43,700	17,950
25	7,801	25,010	63,990	86,790	92,320	146,100	176,200	157,800	157,500	92,890	42,600	17,170
26	7,790	25,080	63,990	88,900	92,750	148,800	176,700	156,800	155,000	91,170	41,040	16,780
27	7,637	25,240	64,050	90,530	93,040	151,200	177,500	155,800	152,300	89,180	39,410	16,080
28	7,604	25,340	64,050	91,030	92,890	153,500	177,800	154,600	149,400	87,770	38,030	15,530
29	7,802	25,960	64,120	91,170	93,180	155,700	178,100	153,200	146,700	86,300	36,550	15,050
30	7,802	27,800	64,120	91,030	-	158,200	177,700	151,700	143,900	84,910	35,110	14,420
31	8,120	-	64,120	90,890	-	160,500	-	150,600	-	83,260	33,680	-

Malheur River near Drewsey, Oreg.

Location.- Water-stage recorder, lat. 43°41', long. 118°16', in SE¼ sec. 3, T. 22 S., R. 36 E., half a mile above flow line of Warmsprings Reservoir and 10 miles southeast of Drewsey.

Drainage area.- 1,010 square miles.

Records available.- April to September 1923, June 1926 to September 1936. June to December 1920 and April to September 1921 at station 7 miles upstream.

Average discharge.- 10 years (1926-36), 118 second-feet.

Extremes.- Maximum discharge during year, 2,400 second-feet Feb. 22 (gage height, 6.72 feet); maximum gage height, 7.07 feet Feb. 22 (ice jam); no flow Oct. 1-4, Aug. 19 to Sept. 8, Sept. 16-22.

1920-21, 1923, 1926-36: Maximum discharge, 3,800 second-feet Mar. 19, 1932 (gage height, 8.17 feet); no flow at times.

Remarks.- Records good except those for periods of ice effect, Dec. 5-17, Dec. 21 to Feb. 18, Feb. 21, 22, which are poor and were estimated on basis of one discharge measurement, weather records, gage heights, and records for Warmsprings Reservoir. Discharge computed Mar. 5-8, on basis of records for station near Hope. Several small diversions above station. Records furnished by State engineer.

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

0.8	0	2.0	42	4.5	755
1.0	.4	2.5	107	5.0	1,060
1.2	2.4	3.0	206	5.5	1,410
1.4	7.5	3.5	350	6.0	1,810
1.7	21	4.0	530	6.7	2,400

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	29	30		22	214	175	399	51	8	1	0
2	0	29	26		25	374	152	364	62	8	5	0
3	0	31	28		33	388	156	331	76	7	11	0
4	0	25	24		37	385	190	312	74	6	4	0
5	2	28				380	221	302	65	5	3	0
6	3	24				370	224	337	62	5	2	0
7	3	25				355	430	350	60	5	1	0
8	3	35				350	660	284	64	5	1	1
9	3	43				406	782	242	72	6	1	1
10	2	50				396	870	218	70	8	1	1
11	2	48	27		89	296	1,060	211	64	7	1	1
12	3	43				306	1,130	224	59	7	1	1
13	7	40				480	1,060	253	43	7	1	1
14	7	45				360	1,060	264	38	7	1	1
15	10	40				290	1,060	267	36	5	1	1
16	10	40				293	1,200	258	35	6	1	0
17	10	40				368	1,300	226	29	5	1	0
18	10	38	25			458	1,340	190	26	4	1	0
19	20	35	26		181	441	1,410	166	23	4	0	0
20	22	32	27		201	486	1,270	146	18	3	0	0
21	25	33			400	660	995	129	16	3	0	0
22	25	35			1,500	530	840	122	14	3	0	0
23	26	36			615	360	755	102	15	3	0	1
24	27	39			206	293	730	81	16	4	0	7
25	27	39			114	258	660	68	16	3	0	6
26	28	36	43		87	231	570	64	17	4	0	4
27	30	33			85	211	502	49	13	3	0	4
28	32	35			91	239	469	49	10	2	0	4
29	32	35			154	278	436	51	9	2	0	5
30	33	32			-	216	452	49	9	2	0	4
31	33	-			-	179	-	49	-	1	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	435	33	0	14.0	863
November	1,073	50	24	35.8	2,130
December	1,012	-	-	32.6	2,010
Calendar year 1935	30,426	870	0	83.4	60,360
January	1,860	-	-	60	3,690
February	4,997	1,500	22	172	9,910
March	10,851	660	179	350	21,520
April	22,209	1,410	152	740	44,050
May	6,157	399	49	199	12,210
June	1,164	78	9	38.8	2,310
July	148	8	1	4.8	294
August	38	11	0	1.2	75
September	43	7	0	1.4	85
Water year 1935-36	49,997	1,500	0	137	99,150

Warmsprings Reservoir near Riverside, Oreg.

Location.- Tape gage, lat. 43°35', long. 113°12', in SE¼ sec. 8, T. 23 S., R. 37 E., at Warmsprings Reservoir Dam, 4 miles above junction with South Fork of Malheur River and 4 miles northwest of Riverside. Zero of gage is 3,327.00 feet above mean sea level.

Records available.- January 1920 to September 1936.

Extremes.- Maximum contents observed during year, 91,500 acre-feet May 8 (gage height, 53.50 feet); no storage in October and part of November.
1920-36: Maximum contents observed, 177,900 acre-feet May 19, 1922 (gage height, 75.75 feet); no storage Sept. 18 to Nov. 1, 1929, Aug. 26 to some time in November, 1935.

Remarks.- Records good except those estimated for Oct. 31, which are poor. In 1919 reservoir was completed by Warmsprings Irrigation District for irrigation of its lands on both sides of Malheur River, extending from mouth of canyon above Vale to Ontario. In 1926 a half interest in reservoir was purchased by the Government for the U. S. Bureau of Reclamation Vale project, which embraces lands between Namorf and mouth of Willow Creek just below Vale, mainly on north side of Malheur River. In 1930 capacity of reservoir was increased by flash boards from 170,000 acre-feet at gage height 74.0 feet (crest of spillway) to 192,500 acre-feet at gage height 79.0 feet (top of flashboards). Records furnished by State engineer.

Monthly gage height and contents, water year October 1935 to September 1936

Date	Gage height (feet)	Contents (acre-feet)	Change in contents during month (acre-feet)
Sept. 30	---	0	---
Oct. 31	---	*0	0
Nov. 30	10.05	2,735	+2,735
Dec. 31	13.05	5,145	+2,410
Jan. 31	16.65	8,780	+3,635
Feb. 29	24.75	19,600	+10,820
Mar. 31	36.14	42,350	+22,750
Apr. 30	52.61	88,830	+46,480
May 31	47.67	74,010	-14,820
June 30	41.70	56,250	-17,760
July 31	31.01	31,020	-25,230
Aug. 31	24.80	19,680	-11,340
Sept. 30	17.69	10,030	-9,650
The year			+10,030

*Estimated.

Malheur River below Warmsprings Reservoir, near Riverside, Oreg.

Location.- Hook gage, lat. 43°34', long. 118°12', in SW¼ sec. 17, T. 23 S., R., 37 E., 1 mile below Warmsprings Dam, 3 miles above South Fork of Malheur River, and 4 miles northwest of Riverside.

Drainage area.- 1,100 square miles.

Records available.- December 1914 to July 1917, March 1919 to September 1936. January 1906 to March 1907, December 1908 to September 1910 at Riverside, 4 miles downstream, in reports of U. S. Geological Survey; October 1910 to November 1914 in reports of State engineer.

Average discharge.- 24 years (1909-16, 1919-36), 166 second-feet.

Extremes.- Maximum discharge observed during year, 675 second-feet July 4-9 (gage height, 5.20 feet); practically no flow Oct. 1 to Apr. 25, June 11.
1906-7, 1908-17, 1919-36: Maximum discharge observed, 5,490 second-feet Mar. 2, 1910; practically no flow at times.

Remarks.- Records good except those for period July to September, which are fair. Several small diversions for irrigation above station. Flow regulated since November 1919 by operation of gates in Warmsprings Dam. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	89	448	620	176	239
2							0	123	312	620	176	239
3							0	123	235	620	169	239
4							0	134	128	620	143	220
5							0	194	61	675	131	173
6							0	266	10	675	96	176
7							0	312	10	675	96	176
8							0	312	10	675	94	183
9							0	312	10	675	94	201
10							0	356	10	648	106	194
11							0	356	5	545	153	194
12							0	379	5	472	153	258
13							0	472	106	448	153	262
14							0	520	106	356	153	246
15							0	520	117	227	153	205
16							0	520	180	123	150	183
17							0	570	270	123	150	128
18							0	570	379	120	150	128
19							0	570	425	120	156	120
20							0	570	496	120	169	99
21							0	570	520	153	169	99
22							0	570	520	275	176	99
23							0	520	520	279	190	92
24							0	520	520	312	190	72
25							4	520	570	291	190	72
26							25	520	570	270	208	72
27							25	520	570	262	235	74
28							25	520	570	242	235	83
29							25	520	570	227	235	112
30							35	520	620	180	239	112
31							-	520	-	180	239	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	-	-	0	0
November	0	-	-	0	0
December	0	-	-	0	0
Calendar year 1935	28,684	472	0	78.6	56,900
January	0	-	-	0	0
February	0	-	-	0	0
March	0	-	-	0	0
April	139	35	0	4.6	276
May	13,088	570	89	422	25,960
June	8,873	620	5	296	17,600
July	11,828	675	120	382	23,460
August	5,127	239	94	165	10,170
September	4,750	262	72	158	9,420
Water year 1935-36	43,805	675	0	120	86,890

Malheur River near Hope, Oreg.

Location.- Water-stage recorder, lat. 43°56'40", long. 117°28'40", in SW¼ sec. 5, T. 19 S., R. 43 E., half a mile above intake of Vines Canal and 6½ miles west of Hope.

Drainage area.- 3,030 square miles.

Records available.- May 1919 to September 1936 (incomplete prior to May 1926).

Extremes.- Maximum discharge during year, 7,710 second-feet Feb. 22 (gage height, 7.89 feet), from rating curve extended above 3,000 second-feet; minimum, about 5 second-feet Nov. 3 (gage height, 0.08 foot, estimated from shape of adjoining recorder graph).

1919-36: Maximum discharge, 8,100 second-feet Feb. 5, 1925, from rating curve extended above 3,000 second-feet; minimum, 3.5 second-feet Sept. 2, 1919 (gage height, 0.02 foot).

The maximum known floods occurred in March 1894 and 1910.

Remarks.- Records good except those estimated for periods of no gage-height record, Oct. 1-7, Dec. 23 to Feb. 2, those for periods of ice effect, Nov. 30, Dec. 1, 7-22, Feb. 3-6, 8-19, and those above 3,000 second-feet, which are poor. No large diversions upstream except the Vale-Oregon Canal at Namorf, completed by the U. S. Bureau of Reclamation in 1930. Flow regulated to a large extent by storage in Warmsprings Reservoir since November 1919 and in Agency Valley Reservoir since December 1935. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		10	13			470	121	102	266	252	98	161
2		10	13			734	107	118	273	225	93	161
3		11	12			960	102	100	170	225	167	167
4	10	16	12		40	928	100	107	144	221	155	167
5		16	12			800	105	126	155	217	116	173
6		14	12			662	123	136	182	248	98	152
7		16			38	595	167	164	155	244	109	131
8	9	13				551	269	225	96	294	105	126
9	9	11				600	395	210	81	334	107	118
10	9	13				622	475	213	76	298	107	146
11	9	11				507	502	256	65	294	109	155
12	9	11				475	556	229	61	273	141	144
13	9	12				568	551	225	55	221	146	144
14	9	11			105	435	512	277	45	217	146	133
15	9	12				338	425	290	33	179	144	141
16	9	12				286	338	303	33	105	139	112
17	9	12				294	225	316	27	37	109	100
18	9	12				325	164	338	23	81	98	96
19	9	12	15			325	173	329	28	133	94	76
20	9	12			125	329	152	307	118	123	114	57
21	9	12			266	400	128	307	186	116	133	53
22	9	12			5,420	347	92	303	167	96	112	51
23	9	13			2,520	294	78	294	182	141	98	50
24	10	13			830	217	62	244	352	146	114	50
25	10	12			445	182	51	236	380	149	121	49
26	10	12			265	136	41	236	199	152	123	49
27	10	12			213	146	35	236	161	152	121	49
28	10	13			244	133	112	232	152	139	158	45
29	10	13			375	136	112	236	170	128	144	44
30	10	13			-	139	109	244	225	123	158	42
31	10	-			-	109	-	256	-	109	158	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	294	10	9	9.5	583
November	372	16	10	12.4	738
December	449	-	-	14.5	891
Calendar year 1935	30,289	528	-	83.0	60,080
January	1,085	-	-	35	2,150
February	12,242	5,420	-	422	24,280
March	13,043	960	109	421	25,870
April	6,382	556	35	213	12,660
May	7,195	338	100	232	14,270
June	4,280	380	23	143	8,490
July	5,722	334	81	185	11,350
August	3,840	167	94	124	7,620
September	3,142	173	42	105	6,230
Water year 1935-36	58,046	5,420	-	159	115,100

North Fork of Malheur River above Agency Valley Reservoir, near Beulah, Oreg.

(Formerly published as North Fork of Malheur River at Scott's ranch, near Beulah, Oreg.)

Location.- Water-stage recorder, lat. 43°58', long. 118°11', in sec. 33, T. 18 S., R. 37 E., at M. W. Scott's ranch, about 3 miles above Warm Springs Creek and 4 miles northwest of Agency Valley Dam, at Beulah.

Records available.- January to September 1914, June to September 1936.

Extremes.- Maximum discharge during period, 80 second-feet June 11 (gage height, 0.99 foot); minimum, 20 second-feet Aug. 8, 9 (gage height, 0.46 foot).
1914, 1936: Maximum discharge observed, 866 second-feet Apr. 15, 1914 (gage height, 4.8 feet, former datum); minimum, that of Aug. 8, 9, 1936.

Remarks.- Records good. A few small diversions above station. Records furnished by State engineer.

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

0.4	15
.5	23
.6	32
.7	42
.8	54
.9	67
1.0	81

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									-	35	28	25
2									-	35	29	27
3									-	37	32	29
4									-	39	31	31
5									-	39	29	31
6									-	39	28	34
7									-	38	28	29
8									-	39	27	27
9								*171	-	41	21	27
10									77	42	23	27
11									76	43	24	27
12									75	39	26	28
13									70	38	26	29
14									66	36	24	29
15									71	35	23	30
16									68	35	22	30
17									63	32	21	31
18							*470		59	33	21	30
19									55	33	23	29
20									53	32	26	29
21									47	30	28	27
22									41	26	27	22
23									41	27	26	23
24									43	28	24	27
25									47	28	25	28
26									43	28	25	28
27									40	27	25	28
28									39	24	26	28
29									37	25	26	29
30									35	26	26	29
31									-	26	25	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June 10-30	1,148	78	35	54.7	2,280
July	1,035	43	24	33.4	2,050
August	795	32	21	25.6	1,580
September	646	34	22	28.3	1,680
The period					7,590

*Discharge measurement.

Agency Valley Reservoir at Beulah, Oreg.

Location.- Pressure gage with mercury column, lat. 43°55', long. 118°9', in SE¼ sec. 15, T. 19 S., R. 37 E., at dam on North Fork of Malheur River a quarter of a mile northwest of Beulah (post office of Beulah was moved to a location a quarter of a mile southeast of its location prior to dam construction). Gage readings are elevation above mean sea level.

Drainage area.- 420 square miles.

Records available.- December 1935, when storage began, to September 1936.

Extremes.- Maximum contents observed during year, 34,600 acre-feet June 8 (gage height, 3,324.7 feet); no storage prior to Dec. 21, 1935, when gates were first closed.

Remarks.- Records of month-end contents excellent except those for May to September, which are good and were computed on basis of contents on nearby days and records of inflow and outflow. Agency Valley Dam was constructed in 1935 by U. S. Bureau of Reclamation; its capacity above elevation 3,263.21 feet (bottom of outlet tunnel) is 59,920 acre-feet at elevation 3,340 feet (top of spillway gates), and 32,220 acre-feet at elevation 3,323 feet (spillway crest). Diversions for irrigation above station. Records furnished by U. S. Bureau of Reclamation and State engineer.

Monthly elevation and contents, water year October 1935 to September 1936

Date		Gage height (feet)	Contents (acre-feet)	Change in contents during month (acre-feet)
Dec.	21*		0	
	31	-	†670	+670
Jan.	31	3,289.7	3,627	+2,957
Feb.	29	3,295.9	6,553	+2,926
Mar.	31	3,307.4	14,510	+7,957
Apr.	30	3,323.1	32,360	+17,850
May	31	-	33,610	+1,250
June	30	-	33,300	-310
July	31	-	28,400	-4,900
Aug.	31	-	17,450	-10,950
Sept.	30	-	14,780	-2,670
Water year				+14,780

*Gates closed.
†Extrapolated.

North Fork of Malheur River at Beulah, Oreg.

Location.- Staff gage, lat. 43°54', long. 118°9', in NE¼ sec. 22, T. 19 S., R. 37 E., at Beulah, a quarter of a mile below Agency Valley Dam and 12 miles northwest of Juntura. Prior to Dec. 21, 1935, water-stage recorder at site three-quarters of a mile downstream.

Drainage area.- 420 square miles.

Records available.- June 1926 to September 1936 (prior to December 1935 station was below intakes of two canals with combined capacity of about 10 second-feet). March 1909 to June 1912, November 1913 to July 1914 at station 6 miles downstream.

Extremes.- Maximum discharge observed during year, 226 second-feet July 22-26 (gage height, 2.4 feet); no flow at times December to April.
1909-12, 1913-14, 1926-36: Maximum discharge, 5,910 second-feet Mar. 20, 1910; minimum prior to construction of dam, 5 second-feet Dec. 28, 1910, Jan. 26, 27, 1911.

Remarks.- Records fair. Discharge Dec. 11 to Apr. 24 computed on basis of weather records, occasional field estimates, and notes of operation of dam. Discharge regulated by Agency Valley Reservoir of U. S. Bureau of Reclamation since Dec. 21, 1935, when gates were first closed. Records at present site include flow in two small canals which divert above the site used prior to Dec. 21, 1935. Small diversions for irrigation above station; practically entire summer flow is diverted below station and above Juntura. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23	20	26		*0			118	78	57	198	170
2	22	24	29					118	30	52	198	170
3	21	24	27					118	34	52	198	170
4	20	29	35					131	26	43	198	170
5	19	36	42					106	26	52	198	170
6	18	35	41		*.2			94	26	48	198	170
7	19	38	†42					118	26	48	198	131
8	18	38	†42					106	8	48	198	131
9	16	40	43					131	8	48	198	131
10	13	32	40				0.3	131	8	48	184	131
11	13	28	38					144	26	48	184	131
12	13	35						157	26	48	184	22
13	13	36						157	62	48	184	22
14	14	34						164	72	52	184	22
15	15	37	30					184	67	43	184	22
16	16	43						184	62	38	118	19
17	15	39	20					184	62	43	118	19
18	15	37	20				*.3	170	62	43	177	19
19	16	35	20					157	62	43	177	19
20	16	40	20					150	62	150	177	19
21	17	37	10				.3	144	62	177	177	19
22	20	40	0					131	62	226	177	19
23	20	43	0					131	57	226	177	19
24	16	43	0					118	78	226	177	19
25	20	41	0				42	118	62	226	177	19
26	17	40	0				212	106	62	226	177	19
27	15	44	0				212	94	57	198	170	19
28	16	37	0				212	94	170	198	170	19
29	18	30	0				212	83	170	198	170	19
30	20	30	0				212	78	52	198	170	19
31	20	-	0				-	78	-	198	170	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	533	23	13	17.2	1,060
November	1,065	44	20	35.5	2,110
December	645	43	0	20.8	1,280
Calendar year 1935	21,213	370	0	58.1	42,070
January	0	0	0	0	0
February	2.9	-	-	.1	6
March	6.2	-	-	.2	12
April	1,109.2	212	-	37.0	2,200
May	3,997	184	78	129	7,930
June	1,665	170	8	55.5	3,300
July	3,349	226	38	108	6,640
August	5,565	198	118	180	11,040
September	2,048	170	19	68.3	4,060
Water year 1935-36	19,985.3	226	0	54.6	39,640

*Field estimate.
†Interpolated.

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South Fork of Payette River near Garden Valley, Idaho

Location.- Water-stage recorder, lat. 44°4', long. 115°56', in sec. 1, T. 8 N., R. 4 E., at Garden Valley ranger station, 300 feet above mouth of Station Creek, 2.7 miles southeast of Garden Valley, and 5.9 miles above mouth of Middle Fork of Payette River.

Drainage area.- 779 square miles.

Records available.- May 1921 to September 1936.

Average discharge.- 12 years (1924-36), 1,160 second-feet.

Extremes.- Maximum discharge during year, 6,450 second-feet May 15 (gage height, 6.02 feet); minimum, 75 second-feet Dec. 15, Jan. 26 (gage height, 0.70 foot) from rating curve extended below 260 second-feet; minimum daily discharge, 217 second-feet Jan. 26.
1921-36: Maximum discharge observed, 10,600 second-feet May 26, 1928 (gage height, 8.0 feet); minimum, that of Dec. 15, 1935, and Jan. 26, 1936; minimum daily discharge, that of Jan. 26, 1936.

Remarks.- Records excellent except those for periods of ice effect, Dec. 18-20, 21, 22, Jan. 28-31, Feb. 1-3, 8, 15-17 computed on basis of records for nearby stations, which are good. Practically no diversions above station. Since Nov. 2, 1930, flow has been regulated by operation of gates in Deadwood Dam, on Deadwood River. Slight regulation by operation of Grimes Pass power plant.

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

1.2	225	2.4	1,010	3.9	2,770	5.1	4,720
1.5	375	2.7	1,290	4.2	3,200	5.4	5,280
1.8	555	3.0	1,610	4.5	3,670	5.7	5,850
2.1	765	3.6	2,360	4.8	4,180	6.0	6,450

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	326	342	252	380	320	386	386	2,840	4,900	1,200	909	1,610
2	331	364	275	380	340	392	380	2,770	4,900	1,150	901	1,610
3	326	348	261	348	340	408	380	2,980	4,180	1,200	942	1,610
4	320	315	285	408	358	414	330	3,510	3,670	1,390	758	1,500
5	320	331	300	392	358	408	375	3,840	3,430	1,340	720	1,290
6	326	353	336	358	358	414	342	3,510	3,280	1,340	720	1,200
7	331	358	364	364	336	436	408	2,980	3,920	1,340	1,060	1,200
8	326	348	375	380	320	442	503	2,840	3,840	1,440	1,200	1,200
9	326	370	353	386	326	460	662	2,980	3,280	1,290	1,200	1,200
10	320	342	342	386	370	430	705	3,350	2,980	1,020	1,200	1,200
11	320	280	336	442	380	430	1,000	4,100	2,840	993	1,200	1,200
12	342	348	375	454	392	436	1,440	4,720	2,770	968	968	1,440
13	358	353	358	430	336	436	1,790	5,470	2,840	917	853	1,440
14	348	315	315	402	300	414	2,100	6,050	2,770	885	845	1,390
15	353	326	243	414	370	402	2,160	6,250	2,770	853	1,080	1,200
16	364	348	252	408	370	386	2,420	5,660	2,630	813	1,060	1,070
17	353	353	261	392	370	392	2,910	4,720	2,420	853	1,100	984
18	348	353	270	375	364	392	3,350	4,270	2,360	1,040	1,240	976
19	348	331	280	375	375	386	3,670	4,180	2,230	1,020	1,290	984
20	342	331	290	386	392	402	3,840	3,920	2,100	1,030	1,340	1,070
21	342	326	305	380	392	522	3,760	3,430	2,040	1,100	1,440	1,060
22	336	320	350	358	430	522	3,760	3,050	1,910	1,100	1,440	1,050
23	326	336	350	348	436	478	4,720	2,840	1,850	1,100	1,440	1,070
24	326	336	397	358	402	460	4,720	2,910	1,850	1,090	1,440	1,200
25	353	331	454	326	380	436	4,100	3,200	1,790	1,060	1,610	1,200
26	348	315	484	217	370	430	3,590	3,760	1,670	976	1,610	1,200
27	336	326	484	280	364	414	3,120	4,180	1,560	968	1,610	1,200
28	331	326	454	350	370	448	2,910	4,450	1,440	950	1,610	1,200
29	342	270	419	350	370	430	2,770	4,720	1,390	934	1,610	1,100
30	336	261	424	300	-	408	2,840	4,540	1,290	917	1,610	397
31	326	-	414	300	-	397	-	4,540	-	917	1,610	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,430	364	320	336	20,690
November	9,956	370	261	332	19,750
December	10,658	484	243	344	21,140
Calendar year 1935	372,820	3,810	243	1,021	739,500
January	11,427	454	217	369	22,670
February	10,589	436	300	365	21,000
March	13,211	522	386	426	26,200
April	65,491	4,720	342	2,183	129,900
May	122,560	6,250	2,770	3,954	243,100
June	80,900	4,900	1,290	2,697	160,500
July	33,194	1,440	813	1,071	65,840
August	37,616	1,610	720	1,213	74,610
September	36,051	1,610	397	1,202	71,510
Water year 1935-36	442,083	6,250	217	1,208	876,900

South Fork of Payette River near Banks, Idaho

Location.- Water-stage recorder, lat. 44°5'30", long. 116°6', in sec. 28, T. 9 N., R. 3 E., 1 mile above junction with North Fork of Payette River and 1½ miles northeast of Banks. Zero of gage is 2,812.00 feet above mean sea level.

Drainage area.- 1,200 square miles.

Records available.- August 1921 to September 1936.

Average discharge.- 15 years, 1,530 second-feet.

Extremes.- Maximum discharge during year, 8,820 second-feet May 15 (gage height, 8.86 feet); minimum (estimated), 225 second-feet Dec. 15, Jan. 26.
1921-36: Maximum discharge, 13,800 second-feet May 17, 1927 (gage height, 10.6 feet, from high-water mark); minimum, that of Dec. 15, 1935, and Jan. 26, 1936.

Remarks.- Records good. Discharge for Nov. 30 to Dec. 9, Dec. 15-26, Dec. 28 to Jan. 2, Jan. 4-10, 12-14, 26, 27, Jan. 30 to Feb. 21, June 20, 22-27, July 2, 3, Aug. 13-15, Sept. 4-6 computed on basis of records for nearby stations. Small diversions for irrigation above station. Since Nov. 2, 1930, flow has been regulated by operation of gates in Deadwood Dam on Deadwood River. Slight regulation by operation of Grimes Pass power plant.

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

0.0	270	2.5	1,760	5.0	4,190	7.5	7,140
.5	480	3.0	2,180	5.5	4,740	8.0	7,740
1.0	735	3.5	2,640	6.0	5,340	8.5	8,340
1.5	1,035	4.0	3,140	6.5	5,940	9.0	8,940
2.0	1,360	4.5	3,640	7.0	6,540		

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	399	440	350	520	470	555	610	4,980	6,060	1,490	1,000	1,640
2	399	471	350	520	500	610	605	4,980	6,060	1,400	1,000	1,640
3	399	444	360	480	500	660	610	5,100	5,340	1,400	1,040	1,680
4	390	394	380	530	500	691	610	5,820	4,740	1,600	880	1,600
5	390	417	400	540	510	686	605	6,300	4,410	1,600	820	1,500
6	394	476	430	480	500	696	585	5,820	4,190	1,560	790	1,250
7	404	471	480	480	470	724	686	4,980	5,100	1,560	1,100	1,240
8	404	458	490	500	450	762	880	4,630	5,220	1,680	1,280	1,240
9	399	480	470	510	470	762	1,280	4,860	4,410	1,600	1,280	1,280
10	394	448	462	510	500	718	1,450	5,340	3,970	1,280	1,280	1,280
11	399	386	471	575	540	713	2,090	6,180	3,750	1,200	1,420	1,280
12	417	458	505	600	540	735	3,140	7,020	3,640	1,200	1,240	1,520
13	453	476	505	600	520	762	3,750	7,620	3,640	1,100	1,050	1,560
14	430	430	444	540	450	691	4,190	8,220	3,540	1,100	1,000	1,520
15	430	412	340	555	500	665	4,300	8,580	3,440	1,040	1,150	1,340
16	444	462	320	550	520	630	4,740	7,860	3,340	1,000	1,170	1,170
17	430	480	330	540	520	630	5,460	6,780	3,140	1,000	1,170	1,070
18	426	466	340	510	520	630	6,300	6,180	2,940	1,170	1,340	1,070
19	426	444	360	500	520	650	6,780	6,060	2,840	1,170	1,340	1,040
20	426	435	380	520	540	702	6,900	5,700	2,690	1,170	1,420	1,140
21	426	430	400	510	560	880	6,780	4,980	2,540	1,280	1,520	1,140
22	426	422	460	490	610	910	6,660	4,410	2,430	1,240	1,520	1,140
23	412	462	460	466	635	820	7,740	4,080	2,330	1,280	1,520	1,140
24	412	462	520	480	600	762	7,980	4,190	2,220	1,240	1,490	1,280
25	448	440	620	444	550	724	7,020	4,410	2,120	1,200	1,680	1,240
26	440	426	620	370	510	691	6,180	4,980	2,010	1,100	1,680	1,280
27	435	444	630	360	510	691	5,460	5,460	1,910	1,100	1,680	1,280
28	430	435	620	480	525	762	5,100	5,820	1,800	1,070	1,680	1,280
29	435	390	580	500	530	730	4,860	5,940	1,680	1,040	1,680	1,240
30	440	325	560	450	-	665	5,100	5,820	1,600	1,040	1,640	570
31	412	-	560	450	-	650	-	5,820	-	1,000	1,640	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,969	453	390	418	25,720
November	13,184	480	325	439	26,150
December	14,197	630	320	458	28,160
Calendar year 1935	495,966	5,220	320	1,359	983,800
January	15,560	600	360	502	30,860
February	15,070	635	450	520	29,890
March	21,957	910	555	708	43,550
April	118,451	7,980	585	3,948	234,900
May	178,920	8,580	4,080	5,772	354,900
June	103,100	6,060	1,600	3,437	204,500
July	38,910	1,680	1,000	1,255	77,160
August	40,500	1,680	790	1,306	80,330
September	38,650	1,680	570	1,288	76,660
Water year 1935-36	611,468	8,580	320	1,671	1,213,000

Payette River near Horseshoe Bend, Idaho

Location.- Water-stage recorder, lat. 43°56', long. 116°11'30", in SW¼SW¼ sec. 14, T. 7 N., R. 2 E., 100 feet east of tracks of Idaho Northern Branch of Oregon Short Line Railroad and 1½ miles north of Horseshoe Bend.

Drainage area.- 2,230 square miles.

Records available.- February 1906 to September 1916, July 1919 to September 1936. Prior to November 1912 at site 2 miles upstream, in sec. 2.

Average discharge.- 25 years (1907-15, 1919-36), 2,990 second-feet.

Extremes.- Maximum discharge during year, 18,900 second-feet Apr. 24 (gage height, 8.86 feet); minimum, 350 second-feet Dec. 17 (gage height, 0.28 foot) from rating curve extended below 600 second-feet.

1906-16, 1919-36: Maximum discharge, 22,100 second-feet June 9, 1921 (gage height, 9.57 feet); minimum, that of Dec. 17, 1935.

Remarks.- Records excellent. Flow regulated by storage in Payette Lake and Lake Fork and Deadwood Reservoirs. Several irrigation diversions from tributaries 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	510	566	464	691	677	854	1,060	11,000	11,900	1,910	1,440	1,790
2	505	588	469	705	748	941	1,040	10,400	11,900	1,790	1,420	1,790
3	505	577	474	670	705	1,020	1,030	10,200	11,000	1,790	1,420	1,790
4	505	525	500	691	726	1,080	1,050	11,000	9,880	1,910	1,290	1,730
5	510	540	525	764	740	1,100	1,000	11,900	9,060	1,910	1,180	1,630
6	500	622	560	646	719	1,130	986	12,200	8,290	1,790	1,140	1,500
7	505	646	604	646	698	1,170	1,110	11,300	9,060	1,850	1,360	1,490
8	515	634	622	670	698	1,230	1,330	10,400	9,330	2,040	1,580	1,470
9	505	664	604	691	684	1,260	1,850	10,200	8,540	2,310	1,560	1,460
10	505	622	588	684	712	1,180	2,040	10,700	8,040	1,980	1,570	1,430
11	500	545	594	854	772	1,200	2,830	11,600	7,560	1,850	1,700	1,380
12	510	599	634	854	756	1,250	3,950	12,800	7,100	1,910	1,470	1,650
13	540	646	646	828	854	1,270	5,200	14,400	6,660	1,790	1,310	1,660
14	535	616	577	733	698	1,190	6,020	15,700	6,440	1,680	1,230	1,660
15	540	550	487	726	719	1,130	6,880	16,700	6,230	1,630	1,410	1,530
16	555	588	440	719	772	1,090	7,800	16,400	5,920	1,580	1,430	1,380
17	555	646	436	670	740	1,090	9,330	15,400	5,600	1,580	1,400	1,290
18	550	628	456	677	740	1,100	11,900	14,400	4,900	*1,610	1,570	*1,300
19	555	599	482	670	733	1,130	13,700	13,700	4,140	*1,630	1,560	*1,310
20	560	572	492	684	764	1,220	14,400	12,800	3,770	1,660	1,620	1,320
21	560	555	505	684	637	1,420	15,000	11,600	3,590	1,730	1,670	1,310
22	566	555	616	664	959	1,460	15,000	10,400	3,320	1,730	1,730	*1,300
23	550	594	582	658	968	1,360	17,100	9,600	*3,140	1,730	1,720	*1,290
24	555	634	677	664	923	1,300	17,400	9,060	*2,960	1,730	1,700	1,420
25	577	599	804	640	854	1,230	15,000	9,060	*2,780	1,700	1,710	1,440
26	582	568	804	577	796	1,180	13,400	9,600	*2,600	1,580	1,730	1,430
27	588	604	820	545	756	1,160	11,900	10,200	*2,420	1,560	1,730	1,430
28	582	577	804	677	772	1,250	11,000	10,700	2,240	1,520	1,790	1,430
29	582	545	756	698	788	1,200	10,400	11,300	2,170	1,500	1,790	1,420
30	599	448	740	616	-	1,140	11,000	11,300	2,040	1,460	1,790	820
31	566	-	756	664	-	1,120	-	11,300	-	1,450	1,850	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,772	599	500	541	33,270
November	17,672	664	448	589	35,050
December	18,518	820	436	597	36,730
Calendar year 1935	813,334	9,880	436	2,228	1,613,000
January	21,360	854	545	689	42,370
February	22,308	968	677	769	44,250
March	36,475	1,460	854	1,177	72,350
April	231,706	17,400	986	7,724	459,600
May	367,320	16,700	9,060	11,850	728,600
June	182,560	11,900	2,040	6,086	362,100
July	53,890	2,310	1,450	1,738	106,900
August	47,870	1,850	1,140	1,544	94,950
September	43,850	1,790	820	1,462	86,980
Water year 1935-36	1,060,321	17,400	436	2,897	2,103,000

*Interpolated.

Payette River near Emmett, Idaho

Location.- Water-stage recorder, lat. 43°56', long. 116°27', in sec. 22, T. 7 N., R. 1 W., three-eights of a mile below Black Canyon Dam and 5 miles northeast of Emmett.

Records available.- June 1925 to September 1936.

Average discharge.- 11 years, 2,680 second-feet.

Extremes.- Maximum discharge during year, 21,600 second-feet Apr. 24 (gage height, 12.40 feet); minimum, 16 second-feet Dec. 31 (gage height, 1.37 feet).
1925-36: Maximum discharge, 22,000 second-feet May 27, 1928 (gage height, 12.75 feet); minimum, 6.4 second-feet Feb. 21, 1932 (gage height, 1.01 feet).

Remarks.- Records excellent except those estimated for Feb. 3, 4, 7, and those interpolated for Feb. 16, which are poor, and those computed on basis of power plant data Feb. 8-10, which are fair. Diversions for irrigation above station. Flow regulated by operation of gates in Black Canyon Dam and by storage of water in reservoirs upstream. Gage-height record collected in cooperation with U. S. Bureau of Reclamation.

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

1.3	10	4.3	2,650	7.3	7,690	10.3	15,330
1.9	198	4.9	3,480	7.9	9,000	10.9	17,100
2.5	632	5.5	4,400	8.5	10,430	11.5	18,900
3.1	1,210	6.1	5,400	9.1	11,970	12.1	20,700
3.7	1,890	6.7	6,500	9.7	13,610	12.4	21,600

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	322	632	335	656	599	1,170	1,220	12,200	12,500	1,520	940	1,330
2	309	659	510	700	578	1,480	1,260	11,200	12,500	1,480	833	1,330
3	309	467	395	812	600	1,570	1,080	10,900	11,400	1,470	862	1,300
4	309	784	466	753	650	1,600	1,050	11,700	10,400	1,410	852	1,230
5	795	980	497	830	758	1,540	1,340	12,500	9,460	1,410	852	1,290
6	930	755	642	769	703	1,560	1,230	13,000	8,550	1,410	881	1,100
7	970	908	809	643	725	1,610	1,340	12,000	9,230	1,360	1,030	1,100
8	788	940	685	750	750	1,770	1,710	11,200	10,200	1,440	1,080	1,100
9	336	970	692	787	600	2,010	2,520	10,700	9,000	1,510	1,070	1,140
10	329	924	697	810	660	2,010	3,130	10,900	8,550	1,710	1,010	1,170
11	329	937	631	1,230	814	1,890	3,860	12,200	7,900	1,410	990	1,160
12	329	952	695	1,200	786	2,010	5,230	13,600	7,480	1,450	1,040	1,160
13	336	934	718	1,050	1,030	2,200	6,500	15,300	6,880	1,350	1,000	1,130
14	336	919	732	1,190	990	1,770	7,480	16,500	6,690	1,210	1,010	1,100
15	270	684	578	921	721	1,610	8,110	17,700	6,310	1,210	1,010	1,060
16	264	881	452	960	721	1,580	9,230	17,700	6,120	1,110	1,020	1,000
17	264	620	140	921	721	1,580	10,700	16,200	5,580	1,210	1,100	1,010
18	283	881	390	788	805	1,580	13,300	15,300	4,890	1,210	1,130	1,040
19	316	807	459	722	777	1,580	15,600	14,500	4,000	1,220	1,120	1,050
20	329	819	454	776	777	1,100	16,500	13,600	3,630	1,220	1,170	1,040
21	392	744	505	755	1,160	795	16,800	12,200	3,410	1,220	1,280	1,020
22	414	734	405	710	2,580	805	16,800	10,700	2,990	1,210	1,280	1,010
23	452	821	632	774	1,950	862	18,600	9,940	2,850	1,220	1,300	1,020
24	444	581	595	688	1,530	1,320	20,400	9,460	2,650	1,210	1,330	1,020
25	467	784	524	705	1,110	1,770	17,100	9,460	2,460	1,210	1,340	1,020
26	499	891	900	592	1,130	1,420	14,200	9,700	2,460	1,220	1,350	1,010
27	547	815	864	442	1,110	1,540	13,000	10,700	2,130	1,170	1,340	1,010
28	564	729	827	710	1,110	1,830	11,700	11,400	1,890	1,090	1,340	1,010
29	499	754	683	667	1,130	1,770	11,200	11,700	1,600	1,080	1,340	1,010
30	694	763	841	593	-	1,310	11,200	11,700	1,610	1,070	1,330	940
31	650	-	743	565	-	1,510	-	11,700	-	1,080	1,330	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14,075	970	264	454	27,920
November	24,269	980	467	809	48,140
December	18,496	900	140	597	36,690
Calendar year 1935	812,055	10,100	140	2,225	1,611,000
January	24,469	1,230	442	789	48,530
February	27,575	2,580	578	951	54,690
March	48,152	2,200	795	1,553	95,510
April	263,390	20,400	1,050	8,780	522,400
May	387,560	17,700	9,460	12,500	768,700
June	185,320	12,500	1,600	6,177	367,600
July	40,100	1,710	1,070	1,294	79,540
August	34,560	1,350	833	1,115	68,550
September	32,910	1,330	940	1,097	65,280
Water year 1935-36	1,100,876	20,400	140	3,008	2,184,000

Payette River near Payette, Idaho

Location.- Wire gage, lat. 44°2'30", long. 116°55'30", in SW¼ sec. 10, T. 8 N., R. 5 W., at highway bridge 1¾ miles south of Payette.

Records available.- August 1935 to September 1936. Incomplete records January 1895 to July 1897 at site 2 miles downstream.

Extremes.- Maximum discharge observed during period August 1935 to September 1936, 20,600 second-feet Apr. 24 (gage height, 11.27 feet); minimum, 180 second-feet Oct. 13, 20 (gage height, 2.04 feet).

Remarks.- Records good except those for Nov. 1 to Feb. 29, which are fair. Discharge for Aug. 1 and for periods of ice effect, Dec. 17, 19-27, 1935, Jan. 30 to Feb. 17, 1936, computed on basis of records for station near Emmett and weather records. Numerous diversions for irrigation above station. Flow is also regulated by operation of gates in Black Canyon Dam and by storage of water in reservoirs on tributary streams. Gage read twice daily.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											900	940
2											860	980
3											860	980
4											900	980
5											860	1,020
6											780	1,020
7											780	1,020
8											900	1,020
9											820	1,020
10											860	980
11											820	980
12											820	940
13											820	940
14											740	1,020
15											780	1,070
16											780	1,070
17											780	1,070
18											780	980
19											780	1,020
20											740	980
21											740	980
22											820	1,020
23											780	1,020
24											780	1,020
25											820	980
26											860	780
27											860	445
28											900	355
29											940	330
30											980	290
31											940	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April					
May					
June					
July					
August	25,780	980	740	832	51,130
September	27,250	1,070	290	908	54,050
The period	53,030	1,070	290	869	105,200

Payette River near Payette, Idaho

(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	290	980	940	940	800	1,780	1,670	12,200	11,900	920	530	875
2	270	900	540	940	800	2,360	1,560	11,200	12,200	790	464	920
3	235	900	600	980	800	2,240	1,510	10,600	11,600	750	416	920
4	235	705	670	1,160	900	2,360	1,360	11,200	10,900	670	390	920
5	220	1,160	705	1,120	1,000	2,240	1,670	11,900	9,670	750	355	970
6	635	940	900	980	950	2,120	1,560	13,200	8,780	750	340	970
7	740	980	900	860	950	2,120	1,670	11,900	9,370	830	340	830
8	780	1,020	980	820	1,000	2,240	1,890	10,900	10,300	875	380	830
9	635	1,070	860	1,310	850	2,490	2,490	10,300	9,370	790	470	830
10	355	1,160	860	1,310	900	2,490	3,050	10,600	8,780	1,070	470	875
11	330	1,020	900	1,510	1,100	2,360	3,520	11,200	7,950	970	446	875
12	330	1,070	820	1,890	1,100	2,360	5,000	12,200	7,690	875	458	875
13	235	1,070	860	1,260	1,400	2,760	6,250	13,600	7,180	875	500	920
14	310	1,070	900	1,510	1,350	2,360	7,180	15,000	6,700	830	470	920
15	330	1,070	940	1,260	1,000	2,000	7,950	16,100	6,470	670	500	875
16	270	980	820	1,160	1,000	2,000	9,070	16,800	6,030	635	500	875
17	250	980	600	1,070	1,000	2,000	9,980	15,700	5,610	565	500	830
18	250	900	380	980	1,210	2,000	12,600	15,000	4,800	600	565	830
19	270	980	550	980	1,120	2,000	14,300	13,900	4,050	600	635	875
20	235	980	600	940	1,120	2,000	15,000	13,600	3,350	635	635	875
21	235	940	700	980	4,040	1,310	15,700	11,900	3,020	635	710	830
22	455	940	600	940	5,400	1,210	16,100	10,600	2,700	635	790	830
23	510	900	800	860	3,520	1,210	16,400	9,980	2,400	600	790	830
24	540	980	750	900	2,360	1,410	19,800	9,370	2,110	635	830	830
25	570	860	700	820	1,890	1,890	17,500	8,780	1,900	600	830	830
26	600	940	900	860	1,260	1,310	14,600	9,070	1,900	600	870	875
27	600	980	1,100	780	1,410	1,890	13,200	9,670	1,640	635	830	875
28	670	940	980	635	1,560	2,000	11,900	10,300	1,230	600	875	830
29	670	940	900	900	1,670	2,120	11,200	10,900	1,120	565	875	830
30	635	940	860	850	-	1,780	10,900	10,900	920	530	875	830
31	940	-	980	800	-	1,780	-	10,900	-	530	875	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13,630	940	220	440	27,030
November	29,295	1,160	705	976	58,110
December	24,595	1,100	380	793	48,780
Calendar year					
January	32,305	1,890	635	1,042	64,080
February	43,460	5,400	800	1,499	86,200
March	62,190	2,760	1,210	2,006	123,400
April	256,580	19,800	1,360	8,553	508,900
May	369,470	16,800	8,780	11,920	732,800
June	181,640	12,200	920	6,055	360,300
July	22,015	1,070	530	710	43,670
August	18,314	875	340	591	36,330
September	26,080	970	830	869	51,730
Water year 1935-36	1,079,574	19,800	220	2,950	2,141,000

Deadwood Reservoir near Lowman, Idaho

Location.- Staff gage, lat. 44°18', long. 115°39', in SE¼ sec. 8, T. 11 N., R. 7 E., at Deadwood Dam, 15 miles north of Lowman. Gage readings are elevations above mean sea level.

Drainage area.- 108 square miles.

Records available.- October 1935 to September 1936.

Extremes.- Maximum elevation observed, 5,331.5 feet July 2; minimum 5,260.1 feet Oct. 1.

Remarks.- Capacity of reservoir is reported to be 160,400 acre-feet between elevations 5,230.0 and 5,334.0 feet. Stored water is used in connection with the operation of Black Canyon power plant near Emmett. Gage read once daily. Gage-height record furnished by the 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	260.1	264.4	267.8	269.5	270.9	272.2	275.0	290.8	320.4	330.9	328.4	313.6
2	260.3	264.5	267.9	269.5	270.9	272.3	275.2	291.6	321.2	331.5	328.2	312.7
3	260.5	264.6	268.0	269.6	271.0	272.5	275.4	292.4	322.0	331.2	328.9	311.8
4	260.7	264.7	268.2	269.7	271.0	272.7	275.5	293.3	322.6	331.0	327.9	311.1
5	260.8	264.8	268.3	269.8	271.0	272.8	275.6	294.2	323.1	331.0	327.9	310.4
6	260.9	265.0	268.3	269.8	271.1	272.8	275.7	295.1	323.6	330.9	327.8	309.8
7	261.1	265.2	268.4	269.8	271.1	272.9	275.7	296.2	324.2	330.8	327.6	309.2
8	261.2	265.3	268.6	269.8	271.1	272.9	275.8	296.9	324.9	330.6	327.1	308.6
9	261.3	265.4	268.7	269.9	271.1	273.0	275.9	297.6	325.5	330.6	326.7	307.9
10	261.4	265.5	268.8	269.9	271.2	273.1	276.0	298.5	326.0	330.7	326.3	307.3
11	261.5	265.6	268.9	270.0	271.2	273.2	276.1	300.2	326.4	330.8	326.1	306.7
12	261.7	265.8	269.0	270.0	271.2	273.4	276.2	300.9	326.8	330.9	326.0	305.8
13	261.9	265.9	269.3	270.1	271.3	273.5	276.3	302.0	327.2	331.0	325.9	304.9
14	262.0	266.0	269.3	270.2	271.3	273.6	276.6	303.5	327.5	331.1	325.8	303.9
15	262.2	266.1	269.3	270.3	271.3	273.7	277.0	305.1	327.8	331.1	325.4	303.3
16	262.3	266.2	269.3	270.4	271.4	273.8	277.4	306.8	328.1	331.2	325.1	302.7
17	262.4	266.3	269.3	270.4	271.4	273.9	277.8	308.1	328.4	331.2	324.7	302.2
18	262.5	266.4	269.3	270.4	271.5	274.0	278.5	309.2	328.7	331.1	324.2	301.6
19	262.7	266.5	269.4	270.5	271.5	274.1	279.3	310.3	329.0	331.0	323.7	301.1
20	262.9	266.6	269.6	270.5	271.6	274.2	280.1	311.3	329.3	330.9	323.1	300.5
21	263.0	266.8	269.8	270.5	271.7	274.2	281.1	312.0	329.5	330.7	322.5	299.9
22	263.1	266.9	270.0	270.6	271.7	274.3	282.0	312.7	329.7	330.5	321.9	299.3
23	263.2	267.1	270.0	270.6	271.8	274.3	283.1	313.4	329.9	330.3	321.2	298.7
24	263.3	267.2	270.0	270.7	271.8	274.3	284.3	314.0	330.1	330.1	320.0	297.9
25	263.4	267.3	269.9	270.8	271.9	274.4	285.4	314.6	330.5	329.8	319.2	297.1
26	263.5	267.4	269.8	270.9	271.9	274.4	286.5	315.4	330.4	329.6	318.8	296.3
27	263.6	267.5	269.7	270.8	272.0	274.5	287.4	316.2	330.5	329.4	318.0	295.4
28	263.8	267.6	269.6	270.8	272.0	274.6	288.2	317.1	330.6	329.2	317.2	294.6
29	264.0	267.7	269.5	270.8	272.1	274.7	289.0	318.0	330.7	329.0	316.3	293.7
30	264.1	267.8	269.4	270.7	-	274.8	290.0	318.8	330.8	328.8	315.4	293.8
31	264.2	-	269.5	270.8	-	274.8	-	319.6	-	328.6	314.5	-

Note.- Add 5,000 feet to obtain elevations above mean sea level.

Deadwood River below Deadwood Reservoir, near Lowman, Idaho

Location.- Water stage recorder, lat. 44°13', long. 115°39', in NE¼ sec. 17, T. 11 N., R. 7 E., 300 feet above mouth of Wilson Creek, a quarter of a mile below Deadwood Dam at lower end of Deadwood Basin, 15 miles north of Lowman, and 18 miles above mouth of Deadwood River. Temporary staff gage 20 feet upstream at a datum 1.00 foot higher used July 5 to Sept. 30, 1935.

Drainage area.- 108 square miles.

Records available.- October 1926 to September 1936.

Extremes.- Maximum discharge during year, 1,150 second-feet Aug. 27 to Sept. 2; maximum gage height, 4.32 feet Aug. 27; practically no flow Oct. 1 to Dec. 21.
1927-36: Maximum discharge, 2,150 second-feet May 26, 1928 (gage height, 5.67 feet, former site and datum); practically no flow for long periods when gates in dam were closed.

Remarks.- Records good except those for Dec. 22 to Feb. 29, which are poor. Discharge estimated Oct. 1 to July 3, July 8-16, Sept. 2, 3, 29, 30. Flow regulated since Nov. 2, 1930, by operation of gates in Deadwood Dam. December to February gage readings and July to September gage-height record furnished by U. S. Bureau of Reclamation.

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

1.0	59	2.2	314	3.4	740
1.2	85	2.4	373	3.6	830
1.4	119	2.6	436	3.8	920
1.6	161	2.8	504	4.0	1,010
1.8	208	3.0	580	4.2	1,100
2.0	259	3.2	660	4.4	1,200

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0	45	40					1	349	1,150
2			0	45	40					39	349	1,150
3			0	45	40					151	275	1,090
4			0	45	40					289	184	942
5			0	45	40					289	184	740
6			0	45	40					317	314	740
7			0	45	40					370	680	762
8			0	45	40					406	680	762
9			0	45	40					1	680	762
10			0	45	40					1	541	785
11			0	45	40					1	382	942
12			0	45	40					1	267	1,080
13			0	45	40					1	259	1,080
14			0	45	40					1	463	920
15			0	45	45					1	560	740
16			0	45	40					38	560	600
17			0	45	40					196	700	580
18			0	45	40					283	785	580
19			0	45	30					281	830	640
20			0	45	30					366	898	660
21			0	45	30					404	988	660
22			75	45	30					404	1,010	660
23			80	45	30					404	988	762
24			80	20	30					404	1,060	830
25			80	1	30					367	1,120	830
26			80	35	30					343	1,120	808
27			80	40	30					343	1,150	808
28			80	40	30					343	1,150	808
29			80	40	10					346	1,150	305
30			60	40	-					346	1,150	1
31			45	40	-					349	1,150	-

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	740	80	0	23.9	1,470
Calendar year 1935	58,003	1,180	0	159	115,000
January	1,291	45	1	41.6	2,560
February	1,035	45	10	35.7	2,050
March	31	-	-	1.0	61
April	30	-	-	1.0	60
May	31	-	-	1.0	61
June	30	-	-	1.0	60
July	7,086	406	1	229	14,050
August	21,976	1,150	184	709	43,590
September	23,177	1,150	1	773	45,970
Water year 1935-36	55,427	1,150	0	151	109,900

Deadwood River near Lowman, Idaho

Location.- Water-stage recorder, lat. 44°5', long. 115°40', in sec. 29, T. 9 N., R. 7 E., 700 feet above mouth of river and 2½ miles west of Lowman.

Drainage area.- 201 square miles.

Records available.- August 1921 to September 1936.

Average discharge.- 15 years, 349 second-feet.

Extremes.- Maximum discharge during year, 1,650 second-feet May 14 (gage height, 3.57 feet); minimum discharge observed, 28 second-feet Nov. 4 (gage height, 0.83 foot). 1921-36: Maximum discharge, 4,230 second-feet May 9, 1928 (gage height, 5.17 feet); minimum, that of Nov. 4, 1935.

Remarks.- Records good except those estimated for Oct. 5-7, 9-12, Nov. 22, 29, 30, Dec. 1-22, Mar. 1-14, 16-20, Apr. 21-24, May 19, 21-27, 31, June 1, 2, which are fair, and those estimated for Dec. 23 to Feb. 2, which are poor. Flow regulated by storage in Deadwood Reservoir.

Rating table, water year 1935-36 (gage height, in feet, and discharge, in second-feet)
Mar. 21 to Sept. 30

0.8	26	1.8	231	2.8	823
1.0	42	2.0	319	3.0	995
1.2	69	2.2	423	3.2	1,190
1.4	108	2.4	542	3.4	1,420
1.6	160	2.6	674	3.6	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	39	47	35	85	80	50	47	769	850	157	440	1,220
2	41	49	40	85	80	50	52	777	850	160	435	1,230
3	39	40	40	85	80	50	52	848	626	217	412	1,200
4	39	34	45	85	80	55	52	977	600	440	265	1,080
5	40	54	45	85	80	55	50	1,010	561	440	260	840
6	40	54	45	85	80	55	63	873	555	452	310	831
7	40	48	45	85	80	55	91	754	703	499	681	831
8	40	47	45	85	80	60	113	746	660	580	732	840
9	40	49	45	85	80	60	140	823	593	274	732	840
10	40	35	45	85	80	60	160	959	555	130	681	840
11	40	39	45	85	80	60	239	1,140	524	127	620	942
12	42	41	45	85	80	60	324	1,300	493	120	385	1,120
13	47	46	45	85	80	55	364	1,370	469	113	349	1,130
14	42	40	40	85	80	55	412	1,510	440	113	446	1,030
15	43	49	35	85	80	54	475	1,510	418	104	633	848
16	43	57	35	85	80	55	530	1,290	396	104	633	703
17	40	49	35	85	80	55	620	1,090	369	226	717	654
18	42	47	40	85	80	55	710	986	349	401	840	647
19	42	41	40	60	75	55	800	950	324	401	840	681
20	42	41	40	45	75	70	840	831	305	440	942	732
21	42	44	40	65	75	74	800	700	282	530	1,060	732
22	40	50	45	80	75	69	800	600	265	530	1,050	732
23	39	49	120	80	75	66	1,000	550	248	530	1,040	792
24	44	44	120	80	75	62	1,000	575	235	524	1,080	898
25	46	44	120	80	75	57	856	600	227	499	1,220	898
26	44	50	120	80	75	53	777	650	212	446	1,210	898
27	42	44	120	80	75	60	724	750	197	446	1,220	898
28	42	40	120	80	75	62	688	800	180	440	1,220	889
29	44	38	120	80	60	57	688	792	170	440	1,220	631
30	40	35	100	80	-	50	754	754	167	435	1,220	69
31	36	-	85	80	-	57	-	750	-	440	1,220	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,280	47	36	41.3	2,540
November	1,345	57	34	44.8	2,670
December	1,940	120	35	62.6	3,850
Calendar year 1935	109,645	1,260	34	300	217,500
January	2,500	85	45	80.6	4,960
February	2,250	80	60	77.6	4,460
March	1,791	74	50	57.8	3,550
April	14,221	1,000	47	474	28,210
May	28,034	1,510	550	904	55,600
June	12,823	850	167	427	25,430
July	10,758	580	104	347	21,340
August	24,113	1,220	260	778	47,830
September	25,676	1,230	69	856	50,930
Water year 1935-36	126,731	1,510	34	346	251,400

Payette Lake at Lardo, Idaho

Location.- Staff gage, lat. 44°55', long. 116°7'. in sec. 8, T. 18 N., R. 3 E., at outlet of lake at Lardo. Zero of gage is 4,982.24 feet above mean sea level.

Drainage area.- 131 square miles.

Records available.- August 1921 to September 1936 (fragmentary).

Extremes.- Maximum stage observed during year, 7.00 feet May 16; minimum, 1.39 feet Nov. 3 (by level observation).
1921-36: Maximum stage observed, 8.75 feet July 13, 1935; minimum, 0.95 foot Oct. 3, 1931.

Remarks.- No diversions above station. Regulation of storage for use in lower Payette River valley effected by flashboards on dam in outlet channel. Because of gage location in outlet channel, gage heights show slightly lower elevations at times than prevailed on main lake. Gage-height record furnished by U. S. Forest Service supplemented by reports from U. S. Bureau of Reclamation for July 29 to Aug. 1, Aug. 3-8, 10-12, 14, 15.

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	-	-	-	-	-	-	-	-	-	-	2.98	1.64
2	-	1.41	-	-	-	-	-	-	-	-	-	1.59
3	-	1.39	-	-	-	3.36	-	-	-	6.40	2.85	-
4	-	-	-	-	-	-	-	-	-	6.40	2.75	-
5	1.42	-	-	1.98	-	-	3.45	-	-	-	2.65	1.62
6	-	-	-	-	-	-	-	-	5.60	-	2.50	-
7	-	-	1.54	-	-	-	-	-	-	-	2.45	-
8	-	-	-	-	-	-	-	5.60	-	-	2.35	-
9	1.40	1.42	-	-	-	3.37	-	-	-	-	-	-
10	-	-	-	-	-	3.36	3.41	-	-	-	2.20	-
11	-	-	-	-	-	-	-	-	-	5.62	2.18	-
12	1.44	-	-	2.25	-	-	-	-	-	-	2.10	1.62
13	-	1.43	-	-	-	-	-	-	5.30	-	-	-
14	-	-	1.56	-	-	-	-	-	-	-	2.05	-
15	-	-	-	-	-	-	-	-	-	-	1.98	-
16	-	-	-	-	3.20	-	-	7.00	5.19	-	-	-
17	-	-	1.66	-	-	3.36	-	-	-	-	-	-
18	-	-	-	-	-	-	3.90	-	-	4.70	-	-
19	1.44	-	-	2.25	-	-	-	6.50	-	-	-	1.58
20	-	-	-	-	-	-	-	-	5.70	-	-	-
21	-	-	-	-	-	-	4.71	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-
23	-	1.52	-	-	-	-	-	5.90	-	-	-	-
24	-	-	-	-	-	-	5.37	-	-	4.00	-	-
25	-	-	-	-	3.50	-	5.49	-	-	-	-	-
26	1.40	-	-	-	-	-	-	-	-	-	-	1.52
27	-	-	-	-	-	-	-	-	6.20	-	-	-
28	-	-	-	-	-	3.40	-	6.20	-	-	-	-
29	-	-	-	-	-	-	-	-	-	3.30	-	-
30	-	1.54	-	-	-	-	-	-	6.34	3.20	-	-
31	-	-	-	-	-	-	-	-	-	3.05	-	-

North Fork of Payette River at Lardo, Idaho

Location.- Water-stage recorder, lat. 44°54'30", long. 116°7'30", in sec. 8, T. 18 N., R. 3 E., a quarter of a mile below Lardo and outlet of Payette Lake.

Drainage area.- 131 square miles.

Records available.- September 1908 to June 1917, May 1919 to September 1936.

Average discharge.- 25 years (1908-16, 1919-38), 345 second-feet.

Extremes.- Maximum discharge during year, 3,330 second-feet May 15 (gage height, 6.8 feet, from estimated graph when recorder float was inoperative); minimum, 1 second-foot on many days.

1908-17, 1919-36: Maximum discharge, 4,260 second-feet June 10, 1933; maximum gage height, 7.5 feet June 5, 1909, and June 10, 1933; practically no flow Nov. 5-8, 1931, Nov. 17-24, 1933, and Nov. 14-27, 1935.

Remarks.- Records good except those for December to February, which are poor. Discharge estimated owing to ice or incomplete gage-height record Nov. 22, Nov. 24 to Mar. 2 and computed on basis of partial gage-height graph May 15. Flow partly regulated by storage in Payette Lake. No diversions above station. Gage-height record collected in cooperation with U. S. Forest Service.

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

0.8	0.4	2.4	115	4.2	915	5.8	2,300
1.2	5.2	3.0	281	4.6	1,210	6.2	2,700
1.6	20.2	3.4	455	5.0	1,550	6.6	3,110
2.0	52	3.8	665	5.4	1,910	6.8	3,330

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	1			1	40	*46	1,170	2,150	5	256	24
2	9	1			1	40	*46	1,210	2,050	5	240	23
3	9	1			1	40	*47	1,290	1,860	5	220	23
4	9	1			1	*40	*47	1,460	1,680	76	205	24
5	6	1			1	*40	47	1,680	1,550	190	188	24
6	3	1			1	*40	*46	1,680	1,420	441	175	24
7	2	1			1	*40	*45	1,550	1,460	455	159	24
8	2	1			1	*40	*43	1,420	1,640	394	150	24
9	1	1			1	40	*42	1,420	1,600	431	138	24
10	1	1			1	38	41	1,550	1,420	431	130	23
11	1	1			1	*38	44	1,860	1,290	358	123	23
12	1	1			1	*38	47	2,200	1,170	345	115	21
13	1	1			1	*38	51	2,500	1,090	354	109	21
14	1	1			1	*39	58	2,800	1,020	366	102	21
15	1	1			1	*39	70	3,150	915	366	94	21
16	1	1			1	*39	91	3,110	555	345	86	21
17	1	1			2	39	123	2,800	48	380	79	20
18	1	1			5	*40	200	2,500	35	380	75	20
19	5	1			10	*40	312	2,400	32	384	69	20
20	8	1			15	*41	495	2,300	30	384	63	20
21	7	1			20	*41	677	2,000	21	349	58	20
22	7	1			30	*42	850	1,780	9	337	52	19
23	7	1			35	*42	1,060	1,600	8	312	48	18
24	5	1			38	*43	1,210	1,600	7	324	45	17
25	2	1			40	*43	1,250	1,680	6	304	42	17
26	2	1			40	*44	1,290	1,860	6	304	37	15
27	2	1			40	*44	1,250	1,960	6	333	34	13
28	2	1			40	45	1,210	2,250	6	320	31	13
29	2	1			40	*45	1,170	2,350	6	312	30	12
30	1	1			-	*45	1,170	2,300	5	297	27	12
31	1	-			-	*46	-	2,250	-	274	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	111	10	1	3.6	220
November	30	1	1	1.0	60
December	31	-	-	1.0	61
Calendar year 1935	104,598	2,300	-	287	207,500
January	31	-	-	1.0	61
February	371	40	1	12.8	736
March	1,269	46	38	40.9	2,520
April	13,078	1,290	41	436	25,940
May	61,680	3,150	1,170	1,990	122,300
June	23,095	2,150	5	770	45,810
July	9,561	455	5	308	18,960
August	3,206	256	26	103	6,360
September	601	24	12	20.0	1,190
Water year 1935-36	113,054	3,150	-	309	224,200

*Interpolated.

Lake Fork of Payette River above reservoir near McCall, Idaho

Location.- Water-stage recorder, lat. 44°55', long. 116°0', in NW¼ sec. 8, T. 18 N., R. 4 E., three-quarters of a mile below power plant and 5 miles east of McCall. Prior to Sept. 7 staff gage at same site and datum.

Records available.- May 1926 to September 1936 (irrigation seasons only).

Extremes.- Maximum discharge during year, 1,720 second-feet May 15 (gage height, 6.30 feet, from high-water mark); minimum, 2.5 second-feet Oct. 8 (gage height, 0.12 foot).
1926-36: Maximum discharge observed, 2,520 second-feet June 9, 1933 (gage height, about 7.9 feet, present datum, from high-water mark); minimum, 2.5 second-feet Sept. 22 and Oct. 8, 1935.

Remarks.- Records good except those for Oct. 6-8, based on reported power-plant regulation, and those for Apr. 1-15, based upon auxiliary gage readings and comparison with records of nearby stations, which are fair. Some diurnal fluctuations at low stages by operation of power plant of McCall Light & Power Co. and small storage reservoirs above station. No diversions for irrigation above station. Gage-height record furnished by Lake Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15						10	370	740	90	25	18
2	15	4					10	395	670	78	26	17
3	15						10	510	480	90	25	17
4	15						10	670	510	84	22	17
5	15						10	740	450	72	22	17
6	6						10	480	740	68	22	17
7	6						10	450	610	70	22	18
8	6						15	480	670	68	22	16
9	6						20	480	420	66	20	16
10	17						25	705	395	65	20	15
11	19						35	960	322	63	20	16
12	22						55	1,200	300	59	22	16
13	23						100	1,120	395	55	25	16
14	-						160	1,320	346	53	22	16
15	-						190	1,280	334	51	21	16
16	-						256	775	300	47	20	16
17	-						346	635	289	45	19	16
18	-						480	740	246	42	19	16
19	-						600	705	236	40	19	16
20	-						600	635	216	37	19	16
21	-						570	450	207	36	18	14
22	-						570	370	189	34	18	14
23	-						635	226	172	31	18	14
24	-						540	510	189	31	18	13
25	-						480	600	180	30	18	6
26	-						450	740	172	28	18	6
27	-						370	740	132	27	17	6
28	-						395	960	110	24	17	15
29	-						346	880	96	23	17	13
30	-						370	740	96	25	17	13
31	-						-	670	-	25	17	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-13	180	23	6	13.8	357
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	7,678	635	10	256	15,230
May	21,536	1,320	226	695	42,720
June	10,412	810	96	347	20,650
July	1,557	90	23	50.2	3,090
August	625	26	17	20.2	1,240
September	442	18	6	14.7	877
Water year					

Lake Fork Reservoir near McCall, Idaho

Location.- Staff gage, lat. 44°54', long. 116°3', in NW¼NW¼ sec. 13, T. 18 N., R. 3 E., 3 miles east of McCall. Zero of gage is at mean sea level.

Records available.- April 1926 to September 1936.

Extremes.- Maximum contents during year, 17,650 acre-feet June 22, 23 (gage height, 5,117.45 feet); probably no storage during winter.
1926-36: Maximum contents, 17,970 acre-feet May 9, 1934 (gage height, 5,117.65 feet); probably no storage during fall and winter.

Remarks.- Water stored in this reservoir is used for irrigation of 6,800 acres of land near Norwood. Elevation of gate sill of outlet is 5,097.0 feet. Gage-height record and table of contents furnished by Lake Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	706							-	-	16,390	7,084	950
2	667							-	-	16,080	6,675	882
3	628							-	-	15,730	6,395	824
4	579							-	-	15,430	6,093	775
5	550							-	-	15,230	5,722	726
6	510							-	-	15,000	5,235	677
7	471							-	-	14,660	5,076	628
8	452							-	-	14,460	4,758	579
9	422							-	-	14,180	4,453	540
10	384							-	-	13,920	4,210	501
11	346							-	-	13,720	4,006	461
12	346							-	16,940	13,390	3,662	422
13	365							-	17,100	13,110	3,437	403
14	346							-	17,100	12,850	3,170	384
15	336							-	17,100	12,550	2,967	370
16	307							-	16,940	12,260	2,736	-
17	269							-	17,210	11,900	2,490	360
18	250							-	17,420	11,600	2,273	346
19	-							-	17,570	11,150	2,074	326
20	-							13,430	17,570	11,030	1,885	-
21	-							-	17,570	10,700	1,800	-
22	-							-	17,650	10,330	1,715	278
23	-							-	17,650	10,030	1,605	-
24	-							-	17,570	9,660	1,533	-
25	-							-	17,570	9,379	1,455	-
26	-							-	17,330	9,094	1,380	192
27	-							-	17,270	8,716	1,296	-
28	-							14,620	16,990	8,433	1,232	-
29	-							-	16,830	8,096	1,152	-
30	-							-	16,640	7,777	1,073	-
31	-							-	-	7,424	1,021	-

Lake Irrigation District Canal near McCall, Idaho

Location.- Staff gage, lat. 44°54', long. 116°3', in SW¼ sec. 13, T. 18 N., R. 3 E., 600 feet below head of canal, half a mile south of Lake Fork Reservoir, and 3 miles east of McCall.

Records available.- May 1926 to September 1936.

Extremes.- Maximum discharge observed during year, 130 second-feet July 12-16, Aug. 2, 3 (gage height, 4.70 feet); no flow during nonirrigation season.
1926-36: Maximum discharge, that of July 12-16, Aug. 2, 3, 1936; maximum gage height, 4.80 feet May 27 to June 8, 1931; no flow during nonirrigation seasons.

Remarks.- Records good. Flow is regulated at head gate of canal. No diversions between head of canal and station. Canal diverts water from right bank of Lake Fork of Payette River in SW¼ sec. 13, T. 18 N., R. 3 E., which is used for irrigation of 6,800 acres of land near McCall and Norwood, in the project of the Lake Irrigation District. Gage-height record furnished by water master for Lake Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8								0	123	129	30
2	8								0	123	130	30
3	8								0	123	120	30
4	8								0	123	119	27
5	8								0	122	120	26
6	8								0	122	116	22
7	8								0	122	114	19
8	8								0	122	110	19
9	7								0	122	108	19
10	6								0	122	104	19
11	4								0	127	102	11
12	0								4	130	101	7
13	0								8	130	97	5
14	0								8	130	93	3
15	0								6	130	93	2
16	0								14	125	86	2
17	0								24	123	86	2
18	0								31	123	86	4
19	0								45	123	86	4
20	0								60	123	45	4
21	0								70	123	26	4
22	0								74	123	28	4
23	0								89	123	30	4
24	0								107	122	30	4
25	0								115	121	30	4
26	0								116	121	30	2
27	0								120	120	30	1
28	0								123	123	30	1
29	0								123	126	30	1
30	0								123	126	30	1
31	0								-	126	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	81	8	0	2.6	161
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	9,660	115	0	26.5	19,170
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	0	0	0	0	0
June	1,260	123	0	42.0	2,500
July	3,842	130	120	124	7,620
August	2,369	130	26	76.4	4,700
September	311	30	1	10.4	617
Water year 1935-36	7,863	130	0	21.5	15,600

Weiser River above Crane Creek, near Weiser, Idaho

Location.- Water-stage recorder, lat. 44°18', long. 116°48', in sec. 10, T. 11 N., R. 4 W., 1 mile above mouth of Crane Creek and 9 miles northeast of Weiser.

Drainage area.- 1,160 square miles.

Records available.- July 1920 to September 1936.

Average discharge.- 15 years (1921-36), 772 second-feet.

Extremes.- Maximum discharge during year, 5,710 second-feet Apr. 13; maximum gage height, 7.87 feet Mar. 3 (ice jam); minimum discharge, 8 second-feet Oct. 1-4.
1920-36: Maximum discharge, about 14,000 second-feet Mar. 19, 1932 (gage height, about 10.8 feet, from high-water marks); minimum (estimated), 5 second-feet Aug. 11 to Sept. 10, 1931.

Remarks.- Records good except those for Oct. 1-6, Nov. 3-7, Dec. 2-10, 13-15, Mar. 1-6, Aug. 5-14, which are fair, and those for Dec. 16 to Feb. 29, which are poor, computed on basis of records for nearby stations, weather records, and results of four discharge measurements. Discharge interpolated June 20-27, July 2-4, July 27 to Aug. 3. Numerous diversions for irrigation above station.

Rating table, period Mar. 6 to Sept. 30, 1936 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 16 to Aug. 14)

0.8	17.5	2.5	720	4.3	2,740
1.0	46	2.8	970	4.6	3,200
1.3	120	3.1	1,260	4.9	3,680
1.6	222	3.4	1,580	5.2	4,170
1.9	352	3.7	1,930	5.5	4,680
2.2	520	4.0	2,310	5.8	5,190

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8	91	81			500	1,080	3,520	1,280	100	18	21
2	8	88	80			800	1,060	3,200	1,330	85	16	25
3	8	80	75			1,300	1,150	3,280	1,290	70	15	28
4	8	85	70			1,400	1,340	3,520	1,090	54	14	33
5	9	90	80			1,400	1,510	3,760	1,020	39	20	46
6	9	100	90			1,400	1,590	3,920	934	50	22	59
7	9	110	100			1,430	1,930	3,280	1,420	44	21	59
8	10	113	110			1,540	2,740	2,890	1,550	48	21	56
9	10	102	110			1,930	3,920	2,820	1,280	52	21	56
10	10	107	110			2,240	4,340	2,890	1,060	72	20	52
11	11	102	116			1,990	4,680	3,200	916	82	20	46
12	11	99	116			2,050	5,020	3,440	880	72	20	43
13	18	102	110			2,450	5,530	3,520	925	70	20	44
14	21	107	100			1,810	5,530	3,680	832	67	20	41
15	32	104	90			1,490	5,190	3,840	784	63	20	46
16	41	107				1,570	4,850	3,680	736	54	18	46
17	44	107				1,580	5,020	3,040	664	65	18	46
18	44	99				1,750	5,190	2,740	622	67	16	43
19	48	99				2,240	5,360	2,590	568	56	14	41
20	50	96				2,660	5,190	2,310	525	43	14	41
21	50	94				2,890	5,020	2,050	481	33	14	41
22	52	94				2,180	4,850	1,750	438	27	15	38
23	56	94	90			1,990	4,680	1,640	395	25	16	36
24	60	104				1,930	4,600	1,610	351	22	16	31
25	65	110				1,870	4,170	1,640	308	24	16	33
26	74	104				1,600	3,760	1,620	265	25	16	31
27	69	99				1,480	3,440	1,640	221	24	17	30
28	71	96				2,520	3,120	1,660	178	23	17	30
29	71	94				2,380	2,960	1,620	136	21	17	31
30	71	91				1,620	3,200	1,430	117	20	17	34
31	84	-				1,440	-	1,320	-	19	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,132	84	8	36.5	2,250
November	2,968	113	80	98.9	5,890
December	2,878	116	70	92.8	5,710
Calendar year 1935	227,809	3,800	7	624	451,900
January	4,650	-	-	150	9,220
February	7,250	-	-	250	14,380
March	55,420	2,890	500	1,788	109,900
April	112,020	5,530	1,060	3,734	222,200
May	83,100	3,920	1,320	2,681	164,800
June	22,596	1,550	117	753	44,820
July	1,516	100	19	48.9	3,010
August	547	22	14	17.6	1,080
September	1,207	59	21	40.2	2,390
Water year 1935-36	295,284	5,530	8	807	585,600

Lost Valley Reservoir near Tamarack, Idaho

Location.- Staff gage, lat. 44°57'30", long. 116°28', in sec. 28, T. 19 N., R. 1 W., a short distance above outlet gates near left end of dam, 4 miles west of Tamarack, and 16 miles north of Council.

Drainage area.- 30 square miles.

Records available.- May to September 1924, May 1926 to September 1936.

Extremes.- Maximum stage observed during year, 25.09 feet May 19, 20; no storage reported Apr. 3, natural flow of Lost Creek passing through reservoir.
1924, 1926-36: Maximum stage, 25.14 feet May 14, 1932; gage not read when reservoir was nearly empty.

Remarks.- Stored water from this reservoir used for irrigation in Weiser Valley. Elevation of permanent spillway crest referred to present datum, which is 1.40 feet lower than that used in 1924, is 22.26 feet; installation of temporary flashboards increases elevation of spillway crest to about 25.14 feet on gage. Prior to October 1929 elevation of spillway crest was 17.80 feet, present datum. Gage-height record furnished by E. G. Van Hoesen.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	-			-	-	-	21.58	-	-	-	-
2	-	-			-	-	-	-	24.87	24.48	-	-
3	-	-			-	-	-	22.45	-	-	-	-
4	-	-			-	-	-	22.92	24.82	-	-	-
5	-	-			-	-	-	23.31	24.79	-	-	-
6	-	-			-	-	-	23.54	-	-	-	-
7	-	-			-	-	-	23.55	-	-	-	-
8	10.40	-			-	-	-	23.49	-	23.99	-	-
9	-	-			-	-	-	23.45	24.92	-	-	-
10	-	-			-	-	-	23.67	-	-	-	-
11	-	-			-	-	-	23.93	-	-	-	-
12	-	-			-	-	-	24.30	24.88	-	-	-
13	-	6.15			-	-	-	24.63	-	-	-	11.94
14	-	-			-	-	-	24.85	-	23.21	-	11.74
15	-	6.15			-	-	9.90	25.00	-	-	-	11.61
16	-	-			-	9.53	-	25.06	-	-	-	-
17	-	-			-	-	-	25.06	24.79	-	-	-
18	-	-			-	-	-	25.07	-	-	-	-
19	-	-			-	7.93	-	25.09	-	-	-	-
20	-	-			-	-	-	25.09	-	-	-	-
21	-	-			-	-	-	25.07	-	22.23	16.66	-
22	-	-			-	-	16.38	25.03	-	-	-	-
23	-	-			-	-	-	25.03	-	-	-	-
24	-	-			-	-	-	25.02	24.79	-	-	-
25	8.54	-			-	-	-	-	-	-	15.86	-
26	-	-			-	-	-	25.00	-	-	-	-
27	-	-			-	-	19.70	-	-	-	-	-
28	-	-			10.93	-	-	24.96	-	-	15.36	-
29	-	-			-	-	-	24.93	-	-	-	-
30	-	-			-	-	-	24.90	-	20.75	-	-
31	-	-			-	-	-	-	-	-	-	-

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Lost Creek near Tamarack, Idaho

Location.- Water-stage recorder, lat. 44°57', long. 116°28', in sec. 28, T. 19 N., R. 1 W., a quarter of a mile below dam of Lost Valley Reservoir, 4 miles west of Tamarack, and 16 miles north of Council.

Drainage area.- 30 square miles.

Records available.- January 1910 to August 1914, May 1920 to September 1921, May 1924 to September 1936.

Extremes.- Maximum discharge during year, 221 second-feet May 7 (gage height, 2.73 feet); practically no flow Nov. 15 to Mar. 10.
1910-14, 1920-21, 1924-36: Maximum discharge, 688 second-feet May 17, 18, 1921 (gage height, 4.29 feet); practically no flow at times gates in dam were closed.

Remarks.- Records good except those for March, which are fair. Discharge Mar. 10-15, 17, 18, 22-21, Apr. 1, 2 computed on basis of reported gate changes. No diversions between gage and reservoir; practically entire flow diverted below station during irrigation season. Flow regulated by operation of head gates at dam above. Gage-height record furnished by E. G. Van Hoesen.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	22				0	6	101	37	8	60	60
2	29	22				0	6	102	36	16	60	58
3	29	21				0	4	109	34	35	60	58
4	28	21				0	4	133	33	32	60	58
5	28	20				0	4	179	30	30	60	57
6	28	20				0	4	212	27	30	60	57
7	28	20				0	4	212	34	30	60	56
8	28	20				0	4	206	39	38	60	56
9	27	19				0	4	158	39	47	60	54
10	27	19				24	4	127	38	48	60	53
11	27	19				69	4	125	36	49	58	53
12	27	19				65	5	113	34	49	58	53
13	27	19				61	6	125	33	49	58	48
14	27	9				57	6	139	31	49	58	38
15	27	0				53	24	151	29	49	57	32
16	26	0				49	66	143	28	49	57	27
17	25	0				45	69	122	27	49	57	27
18	25	0				41	72	102	25	49	56	27
19	25	0				37	78	88	23	48	54	27
20	24	0				35	81	86	21	48	54	27
21	24	0				32	84	81	19	50	54	26
22	24	0				28	89	69	17	54	53	26
23	24	0				24	94	54	16	54	53	26
24	23	0				21	96	53	17	54	53	26
25	23	0				18	97	50	16	54	53	26
26	23	0				15	97	47	14	54	50	26
27	23	0				12	99	47	13	56	49	25
28	23	0				9	99	45	11	56	53	25
29	23	0				7	101	41	10	54	61	25
30	23	0				6	101	39	9	58	61	25
31	23	-				6	-	37	-	60	60	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	797	29	23	25.7	1,580
November	270	22	0	9.0	536
December	0	0	0	0	0
Calendar year 1935	9,610	147	0	26.3	19,070
January	0	0	0	0	0
February	0	0	0	0	0
March	714	69	0	23.0	1,420
April	1,412	101	4	47.1	2,800
May	3,296	212	37	106	6,540
June	776	39	9	25.9	1,540
July	1,406	60	8	45.4	2,790
August	1,767	61	49	57.0	3,500
September	1,182	60	25	39.4	2,340
Water year 1935-36	11,620	212	0	31.7	23,050

Mesa Orchards Canal near Mesa, Idaho

Location.- Staff gage, lat. 44°38', long. 116°25', in sec. 14, T. 15 N., R. 1 W., 1,700 feet above end of flume, 1½ miles northeast of Mesa, and 3 miles below head gates.

Records available.- 1924, 1928, 1930-36 (irrigation seasons only).

Extremes.- Maximum discharge during period, 34 second-feet June 1-5, 8 (gage height, 2.66 feet); no flow at times.
1924, 1928, 1930-36: Maximum discharge, 36 second-feet June 8-10, 1935; no flow during nonirrigation season.

Remarks.- Records good. Discharge Oct. 4, 7, 10, May 1, July 8, 9, 14, 17 computed on basis of reported gate openings. Canal diverts from Middle Fork of Weiser River in SE¼NW¼ sec. 9, T. 15 N., R. 1 E., for irrigation on the Mesa Orchards and for domestic supply in the village of Mesa. Flow regulated by operation of gates in diversion dam and by waste gates in flume above gage. Gage-height record furnished by operators of Mesa Orchards.

Discharge, 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							1	34	31	25	16
2	13							1	34	31	*25	16
3	13							1	34	31	25	21
4	4							1	34	31	24	20
5	0							1	34	*30	23	20
6	0							1	33	30	22	*16
7	6							4	*33	30	22	13
8	12							4	33	15	22	15
9	12							4	33	11	23	14
10	4							5	33	29	22	14
11	-							10	32	30	23	14
12	-							14	32	*30	23	14
13	-							17	28	31	23	*14
14	-							16	23	27	21	14
15	-							15	23	0	20	16
16	-							16	23	0	*19	15
17	-							15	29	6	18	14
18	-							17	26	28	18	13
19	-							19	20	30	18	8
20	-							18	16	30	18	*8
21	-							18	*16	29	18	7
22	-							19	17	31	18	9
23	-							19	18	31	*18	9
24	-							19	21	31	17	7
25	-							24	30	30	18	6
26	-							30	30	28	17	7
27	-							31	31	27	18	8
28	-							29	*30	27	17	7
29	-							33	29	26	17	7
30	-							33	31	26	15	7
31	-							33	-	26	16	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-10	77	13	0	7.7	153
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January					
February					
March					
April					
May	468	33	1	15.1	928
June	840	34	16	28.0	1,670
July	793	31	0	25.6	1,570
August	623	25	15	20.1	1,240
September	369	21	6	12.3	732
Water year					

*Interpolated.

Crane Creek Reservoir near Midvale, Idaho

Location.- Staff gage, lat. 44°22', long. 116°37', in SE¼ sec. 19, T. 12 N., R. 2 W., 10 miles southeast of Midvale.

Drainage area.- 269 square miles.

Records available.- November 1923 to September 1936.

Extremes.- Maximum stage during year, 48.0 feet on many days; minimum, 32.2 feet Sept. 30. 1924-36: Maximum stage, 56.3 feet Feb. 22, 1927; no usable storage Sept. 23, 1928, to Feb. 28, 1929, and Sept. 25 to about Dec. 1, 1929.

Remarks.- Capacity of reservoir is about 60,000 acre-feet at gage-height of 55 feet. Water is used for irrigation in the lower Weiser Valley. Gage-height record furnished by administration board of Crane Creek Reservoir.

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	33.15	-	-	-	36.80	-	47.90	48.00	-	46.30	41.60	35.10
2	33.10	32.55	-	-	-	43.80	47.90	48.00	47.40	46.20	-	35.00
3	33.05	-	-	-	-	44.30	47.90	-	47.40	46.00	42.30	35.00
4	33.00	-	-	32.90	-	45.00	47.90	-	47.40	-	42.00	34.95
5	33.00	-	-	-	-	45.80	48.00	46.00	47.40	45.70	41.75	34.95
6	33.00	-	-	-	-	-	48.00	48.00	47.40	45.60	-	-
7	-	-	32.65	-	-	46.90	48.00	48.00	-	45.20	41.30	34.90
8	32.96	-	-	-	36.90	47.40	48.00	48.00	47.40	-	41.00	-
9	32.95	32.55	-	-	-	47.50	48.00	48.00	47.40	44.90	-	34.50
10	32.90	-	-	-	-	47.60	48.00	-	47.35	44.75	-	34.20
11	32.85	-	-	34.20	-	47.40	48.00	48.00	47.30	-	-	34.10
12	-	-	-	-	-	47.25	48.00	48.00	47.30	44.40	39.00	33.85
13	-	32.54	-	-	-	47.00	48.00	48.00	47.25	44.33	38.70	-
14	32.75	-	32.70	-	-	46.70	48.00	48.00	47.20	44.20	38.55	33.50
15	32.70	-	-	-	37.05	46.30	48.00	48.00	47.20	44.10	38.40	33.35
16	32.70	32.60	-	-	-	45.80	48.00	-	47.15	44.00	-	33.20
17	32.65	-	-	36.40	-	45.80	47.90	47.95	47.15	43.90	38.25	33.00
18	32.65	-	-	-	-	46.00	47.95	47.95	47.10	43.70	38.10	33.05
19	32.65	-	-	-	-	46.25	48.00	47.90	-	43.65	38.00	32.95
20	-	-	-	-	-	46.70	48.00	47.85	47.00	43.50	37.86	32.90
21	-	-	32.75	-	-	-	48.00	47.80	-	43.35	37.60	32.80
22	-	-	-	-	37.90	47.30	-	47.75	46.90	43.20	-	32.70
23	-	32.65	-	-	-	47.50	48.00	-	46.85	-	37.00	32.60
24	-	-	-	-	-	47.65	47.95	-	46.80	-	36.80	32.55
25	-	-	-	36.70	-	47.75	47.90	47.70	46.80	-	36.50	32.50
26	32.55	-	-	-	-	47.90	-	47.65	46.75	42.50	36.20	-
27	-	-	-	-	-	48.00	47.95	47.62	46.70	42.30	35.90	32.35
28	-	-	32.75	-	-	48.00	-	47.55	-	42.20	35.75	32.30
29	-	-	-	-	42.50	47.90	48.00	47.50	46.50	42.00	35.50	32.25
30	-	32.65	-	-	-	47.90	48.00	47.50	46.48	41.85	35.35	32.20
31	-	-	-	-	-	48.00	-	-	-	41.70	35.20	-

Crane Creek near Midvale, Idaho

Location.- Water-stage recorder, lat. 44°22', long. 116°37'30", in SE¼ sec. 19, T. 12 N., R. 2 W., 400 feet below Crane Creek Dam and 10 miles southeast of Midvale.

Drainage area.- 269 square miles.

Records available.- October 1910 to April 1916, May 1924 to September 1936.

Average discharge.- 15 years (1912-15, 1924-36), 62.5 second-feet.

Extremes.- Maximum discharge during year, 835 second-feet Mar. 11 (gage height, 3.42 feet); practically no flow Oct. 21 to Mar. 8.
1910-16, 1924-36: Maximum discharge, 4,240 second-feet Dec. 3, 1910 (gage height, 8.9 feet); practically no flow at times each year when gates in dam are closed.

Remarks.- Records good. Discharge computed on basis of known gate changes at Crane Creek dam Mar. 27; interpolated Oct. 7. Flow regulated by storage in Crane Creek Reservoir. No large diversions above station. Gage-height record furnished by administration board of Crane Creek Reservoir.

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

0	0	1.8	176
.2	3.5	2.0	216
.4	14.5	2.2	265
.6	30	2.4	326
.8	47	2.6	399
1.0	67	2.8	484
1.2	89	3.0	581
1.4	114	3.2	693
1.6	143	3.4	821

Discharge, 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					0	108	14	29	108	148	102
2	24					0	95	14	29	130	146	17
3	11					0	208	14	29	162	146	18
4	11					0	244	14	29	162	146	18
5	11					0	244	14	29	176	145	18
6	11					0	242	14	29	187	143	18
7	12					0	242	14	29	180	142	64
8	12					294	242	14	29	180	132	142
9	12					564	242	14	29	178	131	138
10	12					681	239	14	29	174	132	138
11	12					762	247	14	29	161	143	114
12	12					821	271	12	29	153	154	101
13	11					814	336	4	29	113	157	101
14	11					814	336	13	29	99	176	89
15	11					775	313	17	29	99	180	81
16	11					609	221	10	29	97	180	81
17	11					327	135	10	29	96	180	65
18	11					151	62	21	29	96	180	46
19	10					50	65	30	29	110	182	44
20	11					4	94	30	29	127	193	44
21	7					4	94	30	29	138	193	43
22	0					4	94	30	29	151	191	43
23	0					4	93	30	29	159	191	42
24	0					4	76	29	29	159	182	42
25	0					4	36	29	28	159	137	42
26	0					4	14	29	28	166	161	42
27	0					131	14	29	37	164	156	25
28	0					304	14	29	82	125	154	14
29	0					230	14	29	72	115	153	14
30	0					126	14	29	87	115	153	14
31	0					101	-	29	-	137	140	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	277	43	0	8.9	549
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1935	10,936	226	0	30.0	21,690
January	0	0	0	0	0
February	0	0	0	0	0
March	7,682	821	0	248	15,240
April	4,649	336	14	155	9,220
May	623	30	4	20.1	1,240
June	1,030	87	28	34.3	2,040
July	4,376	187	96	141	8,680
August	4,947	193	131	160	9,810
September	1,760	142	14	58.7	3,490
Water year 1935-36	25,344	821	0	69.2	50,270

Crane Creek at mouth, near Weiser, Idaho

Location.- Water-stage recorder, lat. 44°18', long. 116°47', in sec. 14, T. 11 N., R. 4 W., just below steel highway bridge at Harris ranch, a quarter of a mile above mouth, and 10 miles northeast of Weiser.

Drainage area.- 312 square miles.

Records available.- July 1920 to September 1936.

Average discharge.- 15 years (1921-36), 66.6 second-feet.

Extremes.- Maximum discharge during year, 950 second-feet Mar. 12 (gage height, 5.75 feet); minimum, 2 second-feet Nov. 2-5, Dec. 20, May 14; minimum gage height, 1.69 feet May 14.

1920-36: Maximum discharge, about 2,350 second-feet about Feb. 7, 1925 (gage height, 6.80 feet from well-defined marks on gage); minimum, 0.2 second-foot May 26, 1931; minimum gage height, 1.30 feet Jan. 21, 1922.

Remarks.- Records good. Discharge for Mar. 22-27, Apr. 18, 26-28, June 26, 27, July 4, 5, Sept. 2-5, 27-30, computed on basis of records for other stations, known gate changes, and partial gage-height record. Flow regulated by storage in Crane Creek Reservoir. Several small ditches divert water for irrigation above station.

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

1.7	1.8	3.1	97	4.6	422
1.9	6.5	3.4	133	4.9	540
2.2	20.0	3.7	178	5.2	675
2.5	39.5	4.0	238	5.5	825
2.8	66	4.3	320	5.8	975

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	49	3	3	3	4	75	118	16	23	94	124	114
2	31	2	3	6	4	113	109	16	25	106	125	20
3	17	2	3	6	4	123	201	15	24	139	129	16
4	14	2	3	5	4	126	339	14	24	140	128	16
5	14	2	3	5	5	110	311	7	24	150	125	16
6	13	3	3	5	5	106	317	7	24	160	125	16
7	13	3	3	5	5	127	317	7	25	158	123	22
8	*14	3	3	4	4	290	336	6	26	154	114	115
9	16	3	3	5	4	775	*321	6	26	153	116	119
10	16	3	3	6	4	775	*305	7	26	156	*123	119
11	16	3	3	17	4	825	290	7	26	143	*130	108
12	15	3	4	20	4	875	305	7	26	141	*137	93
13	*15	3	4	24	4	850	376	4	27	106	*143	93
14	*15	3	4	16	4	825	376	2	27	88	*150	86
15	*15	3	*3	16	5	800	349	3	26	85	*157	74
16	*15	3	*3	12	5	700	238	3	26	83	164	75
17	*15	3	*3	10	5	484	153	3	26	83	165	69
18	*15	3	*3	6	5	296	72	3	25	83	162	43
19	15	3	*3	6	5	185	58	15	24	86	159	40
20	15	3	2	6	5	143	93	15	20	99	176	40
21	16	3	3	5	10	110	92	15	21	112	178	39
22	11	3	3	5	124	100	93	15	22	119	178	38
23	5	4	3	5	110	90	94	15	22	130	178	37
24	4	4	3	4	58	85	85	14	21	132	178	34
25	4	4	3	4	36	80	63	13	21	133	129	34
26	4	3	3	4	26	80	15	13	20	134	143	32
27	3	3	3	4	22	130	15	12	20	139	141	30
28	3	3	3	5	20	437	15	12	71	118	140	10
29	3	3	3	4	33	302	15	15	64	99	139	10
30	3	3	3	4	-	154	16	19	67	97	136	10
31	3	-	4	4	-	113	-	21	-	110	129	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	407	49	3	13.1	807
November	89	4	2	3.0	177
December	96	4	2	3.1	190
Calendar year 1935	11,672	218	1	32.0	23,150
January	231	24	3	7.5	458
February	528	124	4	18.2	1,050
March	10,284	875	75	332	20,400
April	5,487	376	15	183	10,880
May	327	21	2	10.5	649
June	849	71	20	28.3	1,680
July	3,730	160	83	120	7,400
August	4,444	178	114	143	8,810
September	1,568	119	10	52.3	3,110
Water year 1935-36	28,040	875	2	76.6	55,610

*Interpolated.

Weiser Irrigation District Canal near Weiser, Idaho

Location.- Water-stage recorder, lat. 44°15', long. 116°51', in sec. 32, T. 11 N., R. 4 W., 3¼ miles below headworks of canal (heading moved upstream 1 3/4 miles in 1932) and 7 miles east of Weiser.

Records available.- April 1920 to September 1936.

Extremes.- Maximum discharge during year, 212 second-feet May 15, 16 (gage height, 3.22 feet); practically no flow during winter.
1920-36: Maximum discharge, 221 second-feet July 15, 1932; maximum gage height, 3.43 feet May 5, 1926; usually no flow except during irrigation season.

Remarks.- Records good. Discharge interpolated Oct. 13 to Nov. 11, Aug. 30. One farm lateral diverts water a quarter of a mile above gage. Canal diverts from Weiser River in sec. 35, T. 11 N., R. 4 W., 3¼ miles above gage and furnishes water for irrigation of about 7,000 acres that is included in projects of the Weiser and Weiser Bench irrigation districts near Weiser. Gage-height record furnished by Weiser Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	27				-	-	181	193	174	125	124
2	42	27				-	-	180	184	162	125	69
3	30	27				-	-	180	185	180	127	1
4	23	28				-	-	181	184	170	126	14
5	20	28				-	-	180	183	165	125	48
6	19	28				-	-	180	186	189	126	54
7	18	29				-	-	180	188	188	125	58
8	16	29				-	-	176	190	192	119	119
9	19	29				-	-	176	184	191	118	152
10	19	30				*1.0	-	176	182	200	120	146
11	21	30				-	-	184	182	207	127	144
12	20	30				-	-	195	169	199	131	120
13	20	30				-	-	199	165	180	142	122
14	20	30				-	-	203	169	144	148	119
15	21	29				-	-	208	169	119	164	103
16	21	29				-	-	208	172	121	163	108
17	21	-				-	-	202	170	126	162	106
18	22	-				-	-	203	170	126	159	79
19	22	-				-	-	208	171	119	154	71
20	22	-	**3.5			.6	†55	204	174	119	157	67
21	23	-	*3.5			-	120	198	173	122	164	63
22	23	-				-	153	196	178	119	162	60
23	23	-				-	172	192	199	128	162	60
24	24	-				-	166	196	195	127	166	55
25	24	-				-	175	196	199	128	139	53
26	24	-				-	185	199	199	132	132	54
27	25	-				-	185	200	176	138	138	54
28	25	-				.5	185	199	190	137	139	41
29	26	-		*1.5		-	182	200	184	107	140	26
30	26	-				-	182	199	161	105	136	29
31	26	-				-	-	194	-	105	133	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	739	54	16	23.8	1,470
November 1-16	460	30	27	28.8	912
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 20-30	1,760	185	55	160	3,490
May	5,973	208	176	193	11,850
June	5,424	199	161	181	10,760
July	4,619	207	105	149	9,160
August	4,354	166	118	140	8,640
September	2,319	152	1	77.3	4,600
Water year					

*Field estimate.
†Computed on basis of gate opening.
**Discharge measurement.

Burnt River near Hereford, Oreg.

Location.- Water-stage recorder, lat. 44°30'20", long. 118°10'50", in SE¼ sec. 21, T. 12 S., R. 37 E., at entrance to canyon, 0.7 mile below mouth of South Fork of Burnt River and 7 miles west of Hereford.

Records available.- March 1915 to September 1916, October 1928 to September 1936.

Extremes.- Maximum discharge during year, 1,510 second-feet Apr. 14 (gage height, 6.91 feet); minimum, 3.3 second-feet July 1 (gage height, 1.20 feet).
1915-16, 1928-36: Maximum discharge, that of Apr. 14, 1936; minimum, 1.6 second-feet Aug. 31, 1935 (gage height, 0.92 foot).

Remarks.- Records fair except those for periods of ice effect, Dec. 16-18, Dec. 20 to Jan. 1, Jan. 26-29, Jan. 31 to Feb. 16, which are poor and were computed on basis of three discharge measurements, gage heights, weather records, and records for station near Durkee. Many small diversions for irrigation in basin above. Some regulation from reservoir (capacity, about 700 acre-feet) on South Fork of Burnt River, 3 miles above mouth. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	11	11	18	25	17	31	57	222	84	4	11	11
2	12	8	16	28	18	31	61	186	75	12	12	12
3	17	7	14	30	20	34	65	171	67	12	12	11
4	21	8	16	29	24	36	71	167	61	14	10	13
5	20	12	17	29	30	35	65	184	38	15	10	13
6	27	17	18	28	29	37	71	172	38	14	10	13
7	30	18	19	26	26	38	112	145	70	15	10	11
8	26	18	21	26	22	44	181	122	69	15	12	10
9	20	20	19	26	22	51	312	108	64	17	11	10
10	17	17	22	26	26	53	434	99	43	18	10	9
11	15	18	22	26	31	55	687	93	34	20	10	9
12	15	20	23	26	38	68	940	84	30	19	14	8
13	15	20	22	25	33	73	1,120	73	29	18	12	9
14	15	20	17	24	28	70	1,080	61	29	22	10	10
15	15	20	12	24	28	70	962	55	27	17	9	11
16	14	20	11	24	32	70	962	51	31	16	9	14
17	12	20	11	23	33	81	940	47	42	17	9	15
18	12	17	10	22	39	87	940	38	25	18	9	16
19	12	20	10	24	42	102	807	33	21	18	9	15
20	12	19	10	26	38	131	632	31	16	16	9	18
21	11	18	10	24	*37	172	528	48	12	14	9	15
22	11	19	10	20	36	145	496	44	11	12	9	8
23	10	20	11	20	37	118	464	30	8	8	10	7
24	9	20	12	19	34	97	464	29	11	10	9	8
25	10	19	15	18	32	90	390	27	24	7	9	5
26	12	19	16	17	32	78	325	24	19	8	9	6
27	12	19	17	17	31	87	292	24	11	9	9	7
28	12	18	17	16	31	93	292	24	7	5	9	11
29	12	18	18	16	30	80	253	32	6	5	9	10
30	12	18	19	17	-	65	211	32	5	6	10	9
31	10	-	21	17	-	69	-	49	-	6	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	459	30	9	14.8	910
November	518	20	7	17.3	1,030
December	494	23	10	15.9	980
Calendar year 1935	17,326	575	2	47.5	34,370
January	718	30	16	23.2	1,420
February	876	42	17	30.2	1,740
March	2,291	172	31	73.9	4,540
April	14,214	1,120	57	474	28,190
May	2,505	222	24	80.8	4,970
June	1,007	84	5	33.6	2,000
July	407	22	4	13.1	807
August	310	14	9	10.0	615
September	324	18	5	10.8	643
Water year 1935-36	24,123	1,120	4	65.9	47,840

*Interpolated.

Burnt River near Durkee, Oreg.

Location.- Water-stage recorder, lat. 44°34'20", long. 117°31'20", in SW¼ sec. 25, T. 11 S., R. 42 E., 3 miles west of Durkee.

Records available.- October 1931 to September 1936. September 1928 to September 1932 at station 20 miles downstream, at Huntington.

Extremes.- Maximum discharge during year, 1,290 second-feet Apr. 15 (gage height, 6.47 feet); no flow at times in October and August.
1931-36: Maximum discharge, that of Apr. 15, 1936; no flow at times.

Remarks.- Records fair except those for periods of ice effect, Dec. 6, 7, 16-24, Jan. 7-9, 17, 18, 21-26, Jan. 29 to Feb. 13, Feb. 26-28, which are poor and were computed on basis of two discharge measurements, gage heights, weather records, and records for station near Hereford. Diversions for irrigation above station; slight regulation from small reservoir on South Fork of Burnt River. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.9	13	28	30	43	78	216	0.1	2.2	0.1	1.4
2	0	1.9	7.4	28	32	48	74	184	1.4	1.3	.1	1.5
3	.2	1.7	6.7	31	34	56	69	167	24	.7	.1	1.6
4	0	1.9	7.0	32	40	70	71	140	31	1.1	.1	.9
5	0	2.6	8.8	34	40	80	76	131	14	1.3	.1	.6
6	0	2.1	10	33	38	82	94	124	7.0	.9	.1	.2
7	0	2.8	12	33	31	82	89	128	12	.6	.1	.2
8	.1	2.8	16	32	30	85	92	128	9.5	.6	0	.2
9	.1	2.4	18	33	31	82	116	103	8.6	.6	.1	.3
10	.4	2.8	20	33	35	79	152	89	19	.6	.1	.6
11	.6	3.1	22	35	45	83	282	64	14	.2	.1	.3
12	.9	4.0	26	37	46	91	391	45	9.5	.2	.1	.2
13	1.0	4.0	25	40	35	88	794	43	8.9	.2	.1	.2
14	1.5	3.0	18	39	32	85	1,050	34	5.5	.2	0	.2
15	3.8	6.4	14	37	35	96	1,120	22	3.8	.2	0	.2
16	3.5	7.8	13	37	35	87	1,050	10	3.4	.2	0	.1
17	3.1	7.4	12	34	37	86	1,000	8.3	3.0	.2	.1	.2
18	3.5	5.0	11	34	37	88	980	4.1	4.1	.2	.1	.4
19	4.2	14	11	34	37	91	980	1.2	5.9	.2	.1	.4
20	3.1	7.4	11	32	37	91	884	.9	5.0	.2	.1	.4
21	2.4	7.0	12	31	35	101	772	.7	4.1	.2	.1	.5
22	1.9	11	13	31	35	114	629	.5	3.5	.2	.6	.6
23	.4	18	14	31	40	138	538	.4	2.9	.2	1.2	.6
24	.6	16	16	30	41	146	504	.6	2.4	.3	.7	.6
25	.4	13	17	30	40	131	438	.2	2.9	.3	.3	.5
26	.1	8.4	18	29	40	117	422	.2	2.4	.2	.5	.4
27	.1	6.0	20	29	41	110	358	.1	1.7	.2	1.2	.5
28	.1	5.2	21	29	42	103	309	.1	1.4	.2	1.6	.4
29	.1	3.1	22	29	42	101	263	.1	2.2	.1	1.5	.4
30	.1	5.5	25	29	-	98	240	.1	2.2	.1	1.5	.5
31	.4	-	27	30	-	88	-	.1	-	.1	1.4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	32.6	4.2	0	1.05	65
November	177.2	18	.9	5.91	351
December	486.9	27	6.7	15.7	966
Calendar year 1935	11,294.5	471	0	30.9	22,400
January	1,004	40	28	32.4	1,990
February	1,073	46	30	37.0	2,130
March	2,840	146	43	91.6	5,630
April	13,915	1,120	69	464	27,600
May	1,645.6	216	.1	53.1	3,260
June	215.4	31	.1	7.18	427
July	14.0	2.2	.1	.45	28
August	12.2	1.6	0	.39	24
September	15.1	1.6	.1	.50	30
Water year 1935-36	21,431.0	1,120	0	58.6	42,500

Powder River at Salisbury, Oreg.

Location.- Water-stage recorder, lat. 44°39'20", long. 117°52'20", in NE¼ sec. 36, T. 10 S., R. 39 E., 700 feet below railroad siding of Salisbury and 8½ miles south of Baker. Zero of gage is 3,633.84 feet above mean sea level.

Drainage area.- 230 square miles.

Records available.- December 1903 to August 1914, October 1928 to September 1936 in reports of U. S. Geological Survey; January 1904 to July 1914, June 1928 to September 1930 in reports of State engineer.

Average discharge.- 18 years (1904-13, 1926-28, 1929-36), 109 second-feet.

Extremes.- Maximum discharge during water year 1934-35, 441 second-feet Apr. 16 (gage height, 3.66 feet); minimum, 0.4 second-foot Sept. 7-16.

Maximum discharge during water year 1935-36, 870 second-feet Apr. 18 (gage height, 5.45 feet); minimum, 0.7 second-foot Oct. 1-4.

1903-14, 1926-36: Maximum discharge, 1,820 second-feet Mar. 20, 1910 (gage height, 7.05 feet, former site); no flow Aug. 31, 1909, Sept. 7, 1931.

Remarks.- Records good except those below 5 second-feet, those estimated Nov. 9-14, 1934, those interpolated July 6-8, 10, 11, 1935, and those for periods of ice effect, which are fair. Diversions for irrigation above station. Records furnished by State engineer.

Rating table, water years 1934-35 and 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 26 to June 24, 1936)

1.0	0.7	1.8	60	3.0	292	4.5	645
1.2	6.3	2.1	107	3.5	406	5.0	770
1.5	25	2.5	184	4.0	525	5.3	845

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	9.9	24	31	36	45	83	248	263	30	4.6	0.5
2	.7	9.9	17	*30	38	50	80	224	233	27	5.0	.6
3	.8	12	24	*30	38	50	80	197	211	26	5.0	.6
4	1.0	12	22	34	40	47	96	184	201	24	4.6	.5
5	1.0	13	20	34	42	*42	109	207	201	24	4.6	.5
6	1.1	12	20	33	46	*42	93	235	169	24	4.2	.5
7	1.3	12	24	33	49	44	91	252	159	23	3.9	.5
8	1.5	11	24	30	49	42	101	252	141	22	3.5	.4
9	1.5		22	29	40	*34	109	252	130	22	3.5	.4
10	1.7		25	*29	42	*36	114	261	119	22	2.7	.5
11	1.7	13	22	*27	49	41	122	288	109	21	1.7	.4
12	1.9		26	25	45	49	137	277	105	21	1.7	.4
13	2.2		28	29	52	89	155	248	107	18	1.1	.4
14	2.4		28	30	45	121	176	235	99	16	1.1	.4
15	2.7	14	27	31	38	107	263	241	91	16	.8	.4
16	2.9	15	29	31	40	97	418	270	78	16	.7	.5
17	2.9	15	31	30	45	97	372	279	70	14	.7	.5
18	3.2	15	24	*28	45	88	285	230	60	13	.8	.5
19	3.5	19	27	*22	40	81	241	209	54	13	.8	.6
20	3.9	20	32	*20	42	80	248	207	63	13	.7	.6
21	5.0	20	42	*23	41	72	326	268	62	12	.7	.7
22	5.4	19	47	34	45	63	337	326	41	11	.8	.7
23	5.8	19	44	34	49	69	292	360	32	10	.8	.6
24	15	19	40	34	*50	68	220	337	33	8.9	.7	.7
25	12	22	35	34	*46	75	192	314	30	7.3	.7	.6
26	17	24	38	34	47	72	194	285	25	6.8	.6	.7
27	15	25	34	34	46	57	220	272	24	5.8	.5	.7
28	12	22	28	34	45	66	239	250	24	5.8	.5	.7
29	10	24	38	34	-	89	261	250	24	6.3	.6	.7
30	9.4	22	38	35	-	88	268	326	24	5.8	.7	.7
31	9.9	-	35	38	-	86	-	292	-	5.0	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	155.0	17	0.6	5.00	307
November	483.8	25	9.9	16.1	960
December	915	47	17	29.5	1,810
Calendar year 1934	14,595.9	202	.1	40.0	28,950
January	954	38	20	30.8	1,890
February	1,230	52	36	43.9	2,440
March	2,087	121	34	67.3	4,140
April	5,922	418	80	197	11,750
May	8,076	360	184	261	16,020
June	2,982	263	24	99.4	5,910
July	489.7	30	5.0	15.8	971
August	58.8	5.0	.5	1.90	117
September	16.5	.7	.4	.55	33
Water year 1934-35	23,369.8	418	.4	64.0	46,350

*Stage-discharge relation affected by ice; discharge computed on basis of gage heights and weather records.

Note.- The above records supersede those published in Water-Supply Paper 793.

Powder River at Salisbury, Oreg.

(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	0.7	2.4	*9	*17	*15	24	50	348	174	25	6.3	1.5
2	.7	2.0	*8	*16	*16	26	56	326	151	23	6.3	2.0
3	.7	2.0	*8	*16	*17	28	56	326	134	20	6.8	2.2
4	1.0	2.0	*9	*16	*18	31	64	337	124	20	6.8	2.2
5	1.5	2.0	*9	*16	*20	35	63	394	104	17	6.8	2.2
6	2.0	2.2	10	*15	*17	44	80	360	96	17	6.8	2.2
7	2.2	2.7	10	*15	*12	56	121	314	122	15	6.3	2.2
8	2.0	2.9	10	*15	*12	64	199	292	126	16	3.9	1.5
9	1.7	3.9	10	*15	*13	75	292	266	114	17	3.5	1.0
10	2.0	3.9	10	*16	*15	80	394	314	97	19	4.2	1.0
11	2.2	4.2	12	*17	*18	78	513	406	86	21	3.9	1.0
12	2.4	5.0	13	*19	*20	105	670	477	80	19	3.5	1.0
13	2.4	5.8	13	*20	*18	104	795	465	68	17	3.2	1.0
14	2.4	5.0	*11	*20	*15	96	795	477	75	17	3.2	1.3
15	2.9	5.4	*10	*20	*13	88	770	477	78	19	2.7	1.7
16	1.7	6.3	*9	*19	*13	89	770	406	96	17	2.4	2.2
17	1.7	5.4	*10	*17	*13	93	795	337	70	17	2.4	2.2
18	2.0	5.0	*10	*16	*15	104	845	303	63	16	2.4	2.4
19	2.0	6.3	*9	17	*19	116	795	283	56	16	2.2	2.9
20	2.0	7.3	*8	17	30	153	720	250	47	17	2.4	2.4
21	2.0	7.3	*8	*17	33	171	645	213	36	14	2.7	1.7
22	2.0	7.3	*8	*16	49	141	645	184	32	11	3.2	1.7
23	1.5	6.8	*9	*16	35	117	645	163	25	12	2.7	1.7
24	1.7	8.9	*12	*15	34	101	597	159	141	11	1.5	2.9
25	1.7	9.9	*14	*15	31	91	537	161	192	8.9	1.7	2.7
26	2.0	9.4	*15	*16	27	80	477	157	81	7.9	2.0	2.7
27	2.4	10	*16	17	24	80	441	165	54	7.9	2.2	2.7
28	2.4	*9.0	*16	17	24	91	406	143	38	6.8	2.2	2.7
29	2.7	*9.0	*16	*16	24	78	360	134	32	5.8	2.0	3.2
30	2.0	*9.0	*16	*15	-	63	360	119	29	5.4	2.2	4.2
31	2.2	-	*17	*15	-	63	-	128	-	5.8	2.2	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	58.8	2.9	0.7	1.90	117
November	168.3	10	2.0	5.61	334
December	345	17	8	11.1	684
Calendar year 1935	22,388.1	418	.4	61.3	44,410
January	514	20	15	16.6	1,020
February	610	49	12	21.0	1,210
March	2,565	171	24	82.7	5,090
April	13,956	845	50	465	27,680
May	8,884	477	119	287	17,620
June	2,621	192	25	87.4	5,200
July	461.5	25	5.4	14.9	915
August	110.6	6.8	1.5	3.57	219
September	62.3	4.2	1.0	2.08	124
Water year 1935-36	30,356.5	845	.7	82.9	60,210

*Stage-discharge relation affected by ice; discharge computed on basis of one discharge measurement, one field estimate, gage heights, and weather records.

Powder River near Robinette, Oreg.

Location.- Staff gage, lat. 44°46', long. 117°4', in SE¼ sec. 22, T. 9 S., R. 46 E., 2 miles northwest of Robinette. Prior to Aug. 24, 1936, staff gage half a mile upstream.

Drainage area.- 1,700 square miles.

Records available.- September 1928 to September 1936.

Extremes.- Maximum discharge observed during year, 3,190 second-feet Apr. 19, 20 (gage height, 5.86 feet); minimum, 31 second-feet Oct. 8, 9 (gage height, 0.60 foot). A lesser discharge may have occurred during period of ice effect.
1929-36: Maximum discharge, 4,180 second-feet June 15, 1933 (gage height, 6.9 feet); minimum, 18 second-feet Sept. 2-10, 1930.

Remarks.- Records good except those for periods of ice effect, Dec. 17-28, Jan. 28, Jan. 30 to Feb. 20, computed on basis of weather records, gage heights, observer's notes, and one discharge measurement, and those for period June to September, which are fair. Numerous diversions for irrigation above station, but only one small diversion below gage used prior to Aug. 24; gage used since Aug. 24 below all irrigation 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	40	65	78	82	60	328	144	1,690	930	157	82	37
2	43	57	73	107	65	445	166	1,690	930	146	83	37
3	39	54	67	94	70	465	178	1,690	755	136	82	36
4	39	60	62	101	80	488	178	1,850	700	146	73	50
5	35	67	71	105	100	488	166	1,850	700	125	65	49
6	35	86	88	105	120	532	166	1,610	625	117	69	52
7	35	97	88	109	100	465	216	1,370	810	116	61	52
8	32	101	105	105	84	445	275	1,210	810	124	59	58
9	31	111	107	105	80	445	405	1,370	700	136	70	52
10	34	86	101	99	90	405	578	1,530	650	149	67	56
11	36	94	111	166	100	345	810	1,770	625	149	64	58
12	38	109	119	134	120	365	1,130	2,020	650	132	63	66
13	39	97	99	144	100	488	1,450	2,200	650	124	58	69
14	40	88	84	134	80	425	1,770	2,470	578	107	72	71
15	48	92	67	123	75	445	1,850	2,380	578	99	64	66
16	47	97	50	109	75	365	1,930	2,020	578	97	65	71
17	46	94	45	101	80	365	2,290	1,530	510	89	59	69
18	48	86	40	73	100	385	2,920	1,370	465	83	53	75
19	43	76	40	82	120	345	3,010	1,370	387	70	47	69
20	48	84	40	86	140	385	3,010	1,130	347	99	46	66
21	49	81	40	82	245	405	2,920	930	330	99	47	56
22	54	92	40	79	425	310	3,010	810	247	89	46	46
23	57	95	45	76	532	260	2,830	810	277	88	45	49
24	60	95	50	74	216	260	2,830	810	262	116	77	46
25	64	95	60	73	123	230	2,560	870	490	126	82	41
26	64	95	60	65	134	203	2,290	930	347	116	90	43
27	61	92	65	49	144	203	2,200	990	312	105	90	43
28	61	88	70	45	155	216	1,930	1,060	232	105	66	46
29	61	81	107	38	178	216	1,770	1,060	192	85	53	49
30	50	81	94	35	-	216	1,770	990	157	88	49	49
31	57	-	82	45	-	216	-	930	-	85	43	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,434	64	31	46.3	2,840
November	2,596	111	54	86.5	5,150
December	2,248	119	40	72.5	4,460
Calendar year 1935	100,214	1,610	28	275	198,800
January	2,825	166	35	91.1	5,600
February	3,991	532	60	138	7,920
March	11,154	532	203	360	22,120
April	46,752	3,010	144	1,558	92,730
May	44,310	2,470	810	1,429	87,890
June	15,824	930	157	527	31,390
July	3,503	157	70	113	6,950
August	1,990	90	43	64.2	3,950
September	1,627	75	36	54.2	3,230
Water year 1935-36	138,254	3,010	31	378	274,200

Imnaha River at Imnaha, Oreg.

Location.- Water-stage recorder, lat. 45°33'40", long. 116°50'30", in SW¼ sec. 16, T. 1 N., R. 48 E., at Imnaha, three-eights of a mile below mouth of Sheep Creek.

Drainage area.- 705 square miles.

Records available.- June 1928 to September 1936.

Extremes.- Maximum discharge during year, 1,880 second-feet May 15 (gage height, 4.15 feet); minimum, 35 second-feet Jan. 26 (gage height, 0.68 foot).
1928-36: Maximum discharge, 3,450 second-feet May 21, 1932, June 10, 16, 1933; minimum, that of Jan. 26, 1936.

Remarks.- Records good except those between 200 and 900 second-feet, and those for period of ice effect, Dec. 6, 23-26, Jan. 28 to Feb. 23, computed on basis of one discharge measurement, gage height record, and weather records, 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)

0.7	36	2.1	415
.9	53	2.3	510
1.1	76	2.5	615
1.3	117	2.9	850
1.5	175	3.3	1,140
1.7	245	3.7	1,470
1.9	325	4.1	1,830

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	92	92	75	94	70	138	120	1,180	1,060	273	96	75
2	94	80	74	100	70	149	138	1,180	990	257	94	85
3	92	82	65	91	80	178	143	1,180	850	249	98	94
4	92	75	61	98	90	200	138	1,260	790	242	100	92
5	96	106	68	100	100	217	127	1,260	760	231	96	92
6	98	125	100	83	100	249	122	1,100	712	220	91	92
7	96	125	113	87	80	265	138	955	850	214	91	89
8	94	113	125	94	100	265	206	955	850	217	92	87
9	94	120	109	100	110	297	317	1,020	760	217	92	85
10	92	98	109	100	115	261	470	1,140	670	220	92	83
11	92	102	111	115	130	234	648	1,340	664	217	94	83
12	104	109	138	125	130	231	955	1,520	688	206	92	85
13	104	109	115	109	120	220	1,300	1,560	688	192	94	89
14	100	100	89	102	110	203	1,300	1,700	637	182	87	92
15	100	106	62	100	110	189	1,300	1,740	598	172	83	92
16	102	106	46	100	120	178	1,470	1,420	576	165	82	92
17	98	100	46	96	110	175	1,560	1,180	535	156	77	91
18	94	87	44	77	100	172	1,700	1,100	515	138	77	78
19	94	82	46	91	100	172	1,740	1,140	475	135	78	85
20	96	111	53	104	110	203	1,650	990	460	130	78	83
21	102	100	62	94	120	249	1,560	885	446	127	78	82
22	109	111	68	89	110	245	1,700	790	428	122	77	82
23	102	111	75	89	110	224	1,600	820	415	122	75	80
24	106	104	80	71	113	206	1,560	885	420	125	77	77
25	111	113	100	50	109	203	1,420	955	446	122	78	75
26	109	102	120	40	109	182	1,300	1,020	379	120	80	77
27	106	102	135	46	115	186	1,180	1,100	352	113	82	78
28	104	100	122	50	120	182	1,100	1,140	317	111	78	77
29	115	98	113	45	122	165	1,060	1,100	301	109	78	75
30	106	91	113	40	-	133	1,180	1,060	285	106	75	75
31	75	-	109	60	-	159	-	1,020	-	100	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,069	115	75	99.0	6,090
November	3,060	125	75	102	6,070
December	2,746	138	44	88.6	5,450
Calendar year 1935	131,717	1,650	44	361	261,300
January	2,640	125	40	85.2	5,240
February	3,083	130	70	106	6,120
March	6,330	297	133	204	12,560
April	29,202	1,740	120	973	57,920
May	35,695	1,740	790	1,151	70,800
June	17,917	1,060	285	597	35,540
July	5,310	273	100	171	10,530
August	2,636	100	74	85.0	5,230
September	2,522	94	75	84.1	5,000
Water year 1935-36	114,210	1,740	40	312	226,600

Salmon River below Valley Creek, at Stanley, Idaho

Location.- Water-stage recorder, lat. 44°14', long. 114°55', in SE¼SE¼ sec. 34, T. 11 N., R. 13 E., three-quarters of a mile below mouth of Valley Creek and 1¼ miles northeast of Stanley. Zero of gage is 6,189.24 feet above mean sea level.

Drainage area.- 535 square miles.

Records available.- July 1925 to September 1936.

Average discharge.- 11 years, 566 second-feet.

Extremes.- Maximum discharge during year, 3,700 second-feet June 2 (gage height, 3.81 feet); minimum daily discharge, 200 second-feet Dec. 17, during period of ice effect. 1925-36: Maximum discharge, 5,020 second-feet June 27, 1927 (gage height, 4.41 feet); minimum (estimated), 100 second-feet Nov. 20-30, 1929.

Remarks.- Records good except those for January to March, which are fair. Discharge for period of ice effect, Dec. 15 to Apr. 9, and for Dec. 2-4, Apr. 12, 13, computed on basis of weather records, hydrographic comparison with records for other stations in same basin, and one discharge measurement. 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	237	262	241				260	1,500	3,410	938	377	302
2	241	272	235				260	1,500	3,500	877	377	297
3	241	267	230				270	1,510	3,140	828	396	318
4	241	245	230				270	1,690	2,710	779	390	335
5	241	272	249				260	2,020	2,390	750	370	335
6	241	272	258				270	1,810	2,320	722	364	324
7	245	272	267				270	1,620	2,710	704	358	312
8	245	267	272				270	1,560	2,630	695	353	307
9	245	277	272				290	1,540	2,090	722	341	302
10	245	245	277				307	1,660	1,810	722	377	302
11	245	267	277				324	1,880	1,680	732	472	297
12	254	277	287				350	2,160	1,660	676	480	302
13	254	272	287				380	2,470	1,700	632	458	302
14	262	249	258				423	2,800	1,730	598	429	302
15	267	262	240				472	3,140	1,800	565	403	302
16	267	277	230				509	3,050	1,810	533	383	302
17	267	267	200				606	2,630	1,720	517	377	302
18	262	277	210				704	2,390	1,680	494	377	297
19	262	258	220				938	2,320	1,610	487	370	292
20	267	287	230				1,170	2,240	1,530	480	370	292
21	262	267	240				1,380	2,090	1,480	458	370	287
22	254	272	250				1,560	1,810	1,420	472	341	287
23	245	277	250				2,090	1,640	1,370	487	329	287
24	254	272	250				2,160	1,560	1,400	487	324	282
25	262	254	260				2,020	1,640	1,380	458	324	277
26	258	287	260				1,880	1,810	1,340	443	312	277
27	258	272	260				1,730	2,160	1,240	429	307	277
28	262	258	260				1,660	2,390	1,140	423	307	277
29	267	249	250				1,630	2,630	1,060	403	302	277
30	245	241	260				1,560	2,710	980	396	297	277
31	245	-	267				-	2,880	-	383	307	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	7,841	267	237	253	0.473	0.55	15,550
November	7,993	287	241	266	.497	.55	15,850
December	7,777	287	200	251	.469	.54	15,430
Calendar year 1935	191,893	2,470	200	526	.983	13.32	380,600
January	8,370	-	-	270	.505	.58	16,600
February	7,830	-	-	270	.505	.54	15,530
March	8,370	-	-	270	.505	.58	16,600
April	26,193	2,160	260	873	1.63	1.82	51,950
May	64,810	3,140	1,500	2,091	3.91	4.51	128,500
June	56,440	3,500	980	1,881	3.52	3.93	111,900
July	18,290	938	383	590	1.10	1.27	36,280
August	11,342	480	297	366	.684	.79	22,500
September	8,929	335	277	298	.557	.62	17,710
Water year 1935-36	234,185	3,500	200	640	1.20	16.28	464,400

Salmon River below Yankee Fork, near Clayton, Idaho

Location.- Water-stage recorder, lat. 44°16', long. 114°44', in sec. 20, T. 11 N., R. 15 E., a quarter of a mile below Sunbeam Dam and mouth of Yankee Fork and 18 miles above Clayton.

Drainage area.- 841 square miles.

Records available.- October 1921 to September 1936.

Average discharge.- 13 years (1922-24, 1925-36), 834 second-feet.

Extremes.- Maximum discharge during year, 6,450 second-feet June 2 (gage height, 8.39 feet) from rating curve extended above 4,000 second-feet; minimum daily discharge, 250 second-feet Dec. 17, during period of ice effect.
1921-36: Maximum discharge (estimated), 8,000 second-feet June 27, 1927; minimum (estimated), 160 second-feet Nov. 25-30, 1929.

Remarks.- Records good. Discharge for period of ice effect, Dec. 15-24 and for Nov. 6-14, 21-25, Aug. 14-18, 20-25 computed on basis of weather records and hydrographic comparison with records for other Salmon River stations. No diversions above station except those above Stanely. Gage-height record furnished by Idaho Power & Mining Co. under Federal Power Commission Project No. 126.

Rating tables, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 11 to May 4)

Oct. 1 to May 4				May 5 to Sept. 30					
2.1	270	4.1	1,440	2.3	355	4.3	1,540	6.3	3,500
2.5	385	4.5	1,790	2.7	555	4.7	1,860	6.7	4,010
2.9	575	5.0	2,250	3.1	775	5.1	2,210	7.1	4,550
3.3	820	5.5	2,760	3.5	1,010	5.5	2,600	7.5	5,110
3.7	1,120	6.2	3,570	3.9	1,260	5.9	3,030	8.1	6,000

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	329	360	300	318	354	374	329	2,200	5,700	1,190	525	420
2	335	371	292	326	350	354	335	2,200	6,000	1,160	525	420
3	335	360	285	332	326	357	347	2,300	4,970	1,100	550	455
4	335	320	288	335	329	344	347	2,870	4,410	1,040	525	470
5	335	371	308	344	332	344	329	3,380	3,880	1,010	505	465
6	335	370	323	320	326	341	341	2,920	3,620	1,010	500	445
7	341	370	320	326	310	347	347	2,550	4,140	950	495	430
8	335	370	335	347	310	357	360	2,450	4,010	950	480	420
9	335	370	320	344	329	360	350	2,550	3,380	1,010	475	415
10	335	350	338	354	332	329	368	2,920	2,920	950	540	410
11	335	300	326	364	329	354	417	3,620	2,700	950	714	405
12	347	330	347	357	341	357	526	4,140	2,600	920	682	395
13	350	380	344	360	323	332	710	4,970	2,600	860	638	410
14	347	320	320	371	338	347	862	5,400	2,600	802	600	415
15	364	308	300	374	341	350	1,000	5,850	2,600	775	560	415
16	360	364	290	378	354	329	1,120	5,400	2,550	748	530	405
17	354	364	250	368	335	350	1,240	4,550	2,450	720	520	405
18	354	350	260	341	341	344	1,440	4,010	2,300	704	510	400
19	354	320	280	360	350	332	1,740	3,880	2,210	676	505	395
20	350	335	290	371	350	338	2,060	3,880	2,080	665	500	395
21	347	340	300	360	354	360	2,400	3,380	1,980	643	490	385
22	338	340	310	335	371	332	2,600	2,920	1,900	643	480	385
23	323	360	310	335	364	338	3,570	2,600	1,820	665	460	380
24	347	360	320	338	350	332	3,450	2,600	1,820	665	450	375
25	360	330	323	312	332	335	3,210	2,920	1,780	621	440	375
26	354	368	329	282	360	332	2,870	3,380	1,700	599	430	370
27	354	357	326	300	374	347	2,550	3,750	1,540	577	425	370
28	357	332	329	357	378	350	2,400	4,270	1,470	566	425	370
29	357	312	312	318	364	354	2,250	4,550	1,360	550	415	365
30	329	308	326	302	-	323	2,300	4,550	1,260	545	415	365
31	329	-	329	335	-	354	-	4,830	-	530	440	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	10,660	364	323	344	0.409	0.47	21,140
November	10,390	380	300	346	.411	.46	20,610
December	9,630	347	250	311	.370	.43	19,100
Calendar year 1935	286,197	4,000	250	784	.932	12.66	567,600
January	10,564	378	282	341	.405	.47	20,950
February	9,947	378	310	343	.408	.44	19,730
March	10,697	374	323	345	.410	.47	21,220
April	42,168	3,570	329	1,406	1.67	1.86	83,640
May	111,790	5,850	2,200	3,606	4.29	4.95	221,700
June	84,350	6,000	1,260	2,812	3.34	3.73	167,300
July	24,794	1,190	530	800	.951	1.10	49,180
August	15,749	714	415	508	.604	.70	31,240
September	12,130	470	365	404	.480	.54	24,060
Water year 1935-36	352,869	6,000	250	964	1.15	15.62	699,900

Salmon River near Challis, Idaho

Location.- Water-stage recorder, lat. 44°23', long. 114°15', in sec. 7, T. 12 N., R. 19 E., 250 feet below mouth of Bayhorse Creek and 9 miles south of Challis.

Drainage area.- 1,740 square miles.

Records available.- October 1928 to September 1936.

Extremes.- Maximum discharge during year, 9,790 second-feet June 2 (gage height, 7.83 feet); minimum, 304 second-feet Dec. 16 (gage height, 1.19 feet).
1929-36: Maximum discharge, that of June 2, 1936; minimum, 238 second-feet Dec. 10, 1932 (gage height, 0.89 foot).

Remarks.- Records good. Discharge for periods of ice effect, Dec. 3 and 16, and for Aug. 18-24 computed on basis of hydrographic comparison with records for other Salmon River stations. Some diversions for irrigation in addition to those above Stanley.

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

1.4	360	4.4	2,630
1.7	456	4.7	3,040
2.0	576	5.0	3,500
2.3	720	5.3	4,000
2.6	891	5.6	4,550
2.9	1,095	5.9	5,140
3.2	1,335	6.2	5,780
3.5	1,610	6.5	6,460
3.8	1,920	6.8	7,180
4.1	2,260	7.1	7,930
		7.5	8,960

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	513	554	474	576	576	576	474	2,760	7,930	1,980	830	646
2	513	599	456	576	599	576	456	2,900	6,980	1,860	802	622
3	533	576	440	576	599	554	513	2,900	7,160	1,810	830	646
4	533	533	456	576	533	554	513	3,500	6,230	1,710	802	720
5	533	554	474	576	599	533	474	4,360	5,350	1,660	773	695
6	533	599	513	576	599	533	493	4,000	5,040	1,610	773	670
7	554	599	554	554	576	533	493	3,340	5,780	1,560	773	646
8	554	599	576	533	513	554	513	3,190	5,560	1,520	746	622
9	554	599	533	554	513	576	513	3,340	4,740	1,610	720	622
10	533	576	554	599	622	533	513	3,830	4,270	1,560	773	622
11	554	493	533	622	646	533	576	4,840	3,920	1,520	1,170	599
12	554	576	576	622	599	554	695	5,780	3,920	1,470	1,260	599
13	576	622	576	622	599	513	891	6,700	3,920	1,380	1,130	599
14	576	554	493	622	554	513	1,100	7,430	3,630	1,340	990	622
15	599	533	406	622	576	533	1,290	7,930	3,920	1,250	923	622
16	599	599	400	622	599	493	1,520	6,940	3,830	1,210	860	622
17	599	599	375	599	554	513	1,760	5,780	3,580	1,130	830	599
18	576	576	390	513	533	513	2,080	5,040	3,420	1,100	820	599
19	576	554	406	533	599	493	2,440	5,040	3,260	1,060	810	599
20	576	533	439	622	576	493	2,830	4,940	3,040	1,020	790	599
21	576	554	493	576	554	513	3,190	4,550	2,970	990	770	576
22	576	554	513	533	576	493	3,420	4,000	2,830	955	740	576
23	533	599	533	533	599	493	4,360	3,500	2,900	1,060	710	576
24	554	599	533	533	576	474	4,550	3,340	2,900	1,060	680	576
25	599	533	554	456	554	474	4,180	3,920	2,900	990	670	576
26	576	554	554	422	513	493	3,830	4,640	2,830	955	670	576
27	576	599	576	439	576	493	3,420	5,240	2,630	923	670	576
28	576	576	576	576	576	513	3,120	5,780	2,440	891	646	576
29	576	533	576	576	576	513	2,900	6,230	2,260	860	622	576
30	576	493	576	474	-	456	2,900	6,230	2,140	860	622	576
31	513	-	576	493	-	513	-	6,460	-	830	646	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	17,369	599	513	560	0.322	0.37	34,450
November	17,021	622	493	567	.326	.36	33,760
December	15,684	576	375	506	.291	.34	31,110
Calendar year 1935	429,355	6,700	375	1,176	.676	9.16	851,600
January	17,306	622	422	558	.321	.37	34,330
February	16,664	646	513	575	.330	.36	33,050
March	16,101	576	456	519	.298	.34	31,940
April	56,007	4,550	456	1,867	1.07	1.19	111,100
May	148,430	7,930	2,760	4,788	2.75	3.17	294,400
June	124,500	8,980	2,140	4,150	2.39	2.67	246,900
July	39,734	1,980	830	1,282	.737	.85	78,810
August	24,841	1,250	622	801	.460	.53	49,270
September	18,330	720	576	611	.351	.39	36,360
Water year 1935-36	511,987	8,980	375	1,399	.804	10.94	1,015,000

Salmon River at Salmon, Idaho

Location.- Water-stage recorder, lat. 45°11', long. 113°54', in sec. 6, T. 21 N., R. 22 E., near Rose ranch buildings, 1,000 feet below island, just above Lemhi River, and three-eighths of a mile below highway bridge at Salmon.

Drainage area.- 3,600 square miles.

Records available.- April 1912 to September 1916, July 1919 to September 1936.

Average discharge.- 19 years (1913-16, 1920-36), 1,770 second-feet.

Extremes.- Maximum discharge during year, 9,110 second-feet June 3 (gage height, 6.24 feet); maximum gage height, 8.48 feet Jan. 30, during ice jam; minimum discharge, 506 second-feet Dec. 18 (gage height, 2.02 feet).

1912-16, 1919-36: Maximum discharge observed, 16,400 second-feet June 12, 1921; minimum, 317 second-feet Dec. 9, 1932 (gage height, 1.76 feet).

Remarks.- Records good. Discharge for periods of ice effect, Dec. 26 to Jan. 6, Jan. 9-14, Jan. 30 to Feb. 29, computed on basis of weather records and hydrographic comparison with records for other Salmon River stations. 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	720	937	840	950		1,090	790	3,410	6,980	2,340	992	790
2	720	959	800	1,000		1,080	810	3,200	8,300	2,220	959	893
3	720	1,020	710	1,000		1,060	780	3,200	8,300	2,090	959	959
4	750	1,050	690	1,000		1,010	810	3,520	7,240	1,960	970	937
5	750	981	720	1,000		992	800	4,220	6,720	1,880	948	959
6	740	1,010	760	1,000		992	770	4,700	6,200	1,800	904	948
7	730	1,040	820	937		992	790	4,100	6,330	1,760	893	926
8	730	1,050	959	820		992	800	3,640	6,720	1,730	893	904
9	740	1,040	981	900		1,020	820	3,520	6,200	1,720	871	882
10	750	1,050	915	950		1,000	830	3,750	5,450	1,780	882	871
11	760	981	937	1,000		937	820	4,340	4,950	1,730	959	860
12	780	904	893	1,000		937	893	5,200	4,700	1,730	1,360	850
13	800	992	970	1,000		937	1,020	6,080	4,700	1,640	1,510	840
14	820	1,020	926	1,000		893	1,260	6,720	4,580	1,560	1,370	840
15	830	948	750	992		871	1,480	7,500	4,460	1,520	1,250	860
16	860	937	606	1,000		904	1,720	7,760	4,460	1,460	1,170	871
17	882	1,010	597	992		882	1,910	6,980	4,220	1,390	1,100	871
18	882	1,010	562	992		893	2,150	6,200	3,980	1,350	1,040	850
19	882	992	568	882		882	2,520	5,700	3,860	1,290	1,010	840
20	893	948	615	871		850	2,990	5,700	3,640	1,230	992	830
21	915	948	680	1,010		850	3,410	5,320	3,520	1,180	981	820
22	915	1,000	760	937		850	3,640	4,820	3,300	1,140	970	800
23	904	981	820	904		840	4,340	4,340	3,200	1,120	937	770
24	893	992	871	882		810	5,200	4,100	3,200	1,230	882	760
25	904	970	926	882		800	4,950	4,100	3,200	1,190	850	750
26	948	926	950	750		790	4,460	4,460	3,200	1,140	830	740
27	937	948	950	690		810	4,100	5,080	2,990	1,100	820	740
28	926	981	950	740		840	3,750	5,700	2,800	1,080	810	760
29	937	926	950	840		830	3,520	6,080	2,610	1,070	800	760
30	959	904	950	800		810	3,300	6,080	2,520	1,040	780	760
31	959	-	950	800		780	-	6,200	-	1,010	780	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	25,936	959	720	837	51,440
November	29,455	1,050	904	982	58,420
December	25,396	981	562	819	50,370
Calendar year 1935	515,842	6,330	562	1,413	1,023,000
January	28,521	1,000	690	920	56,570
February	27,550	-	-	950	54,640
March	28,224	1,090	780	910	55,980
April	65,433	5,200	770	2,181	129,800
May	155,720	7,760	3,200	5,023	308,900
June	142,530	8,300	2,520	4,751	282,700
July	46,480	2,340	1,010	1,499	92,190
August	30,472	1,510	780	983	60,440
September	25,241	959	740	841	50,060
Water year 1935-36	630,958	8,300	562	1,724	1,252,000

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Salmon River at Whitebird, Idaho

Location.- Water-stage recorder, lat. 45°45', long. 116°20', in sec. 22, T. 28 N., R. 1 E., at highway bridge just above Whitebird Creek and 1 mile southwest of Whitebird.

Drainage area.- 13,400 square miles.

Records available.- August 1910 to September 1917, October 1919 to September 1936.

Average discharge.- 24 years, 10,400 second-feet.

Extremes.- Maximum discharge during year, 71,100 second-feet May 15 (gage height, 28.20 feet); minimum, 1,640 second-feet Dec. 19 (gage height, 10.28 feet), from rating curve extended below 2,500 second-feet.

1910-17, 1919-36: Maximum discharge, 88,800 second-feet June 9, 1921 (gage height, 31.2 feet); minimum, 1,580 second-feet Dec. 11, 1932 (gage height, 10.23 feet).

Maximum stage known, about 37.5 feet (present datum) June 1894 (discharge, 120,000 second-feet).

Remarks.- Records excellent except those for December to March, which are good. Discharge for periods of ice effect, Dec. 22, 25, Feb. 12-20 computed on basis of weather records and hydrographic comparison with records for other Salmon River stations. Amount of water diverted for irrigation above station is negligible.

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

10.3	1,640	12.0	3,360	15.0	9,290	20.0	25,930
10.6	1,830	12.5	4,170	16.0	11,870	22.0	35,360
10.9	2,060	13.0	5,060	17.0	14,790	24.0	45,960
11.2	2,340	13.5	6,020	18.0	18,130	26.0	57,520
11.5	2,680	14.0	7,040	19.0	21,880	28.0	69,820

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,680	3,070	2,680	3,140	2,240	3,670	3,070	26,900	46,000	10,000	4,260	3,070
2	2,620	3,140	2,340	3,140	2,340	4,000	3,070	28,200	47,100	9,530	4,170	3,140
3	2,620	3,210	2,100	3,140	2,500	4,340	3,000	29,100	47,100	9,050	4,080	3,140
4	2,620	3,210	2,020	3,140	2,560	4,520	3,140	33,400	43,700	8,810	4,000	3,590
5	2,680	3,070	1,980	3,140	2,740	4,520	3,140	38,900	38,900	8,350	4,080	3,920
6	2,680	3,070	2,020	3,070	3,000	4,340	3,140	40,500	35,400	7,900	4,000	3,920
7	2,740	3,510	2,450	2,860	3,070	4,340	3,070	36,400	35,900	7,680	3,830	3,920
8	2,740	3,590	2,930	2,680	2,930	4,340	3,210	32,900	37,400	7,460	3,750	3,670
9	2,740	3,590	3,280	2,450	2,930	4,430	3,440	32,400	35,400	7,460	3,750	3,590
10	2,740	3,510	3,510	2,680	2,930	4,610	3,750	35,400	31,400	7,680	3,670	3,510
11	2,740	3,510	3,360	2,930	2,930	4,520	4,430	41,600	28,200	7,680	3,670	3,440
12	2,800	3,360	3,360	3,360	2,800	4,260	6,020	48,800	26,400	7,680	3,920	3,360
13	2,930	3,280	3,280	3,510	2,800	4,170	9,290	55,700	25,600	7,250	4,970	3,360
14	3,070	3,280	3,280	3,510	2,800	4,080	12,400	61,700	24,300	7,040	5,440	3,360
15	3,140	3,360	3,140	3,360	2,800	3,920	14,800	69,200	22,700	6,830	5,060	3,440
16	3,070	3,140	2,740	3,280	2,800	*3,780	16,700	66,700	22,300	6,620	4,610	3,510
17	3,070	3,140	2,240	3,210	2,800	*3,650	19,200	56,900	21,100	6,220	4,260	3,510
18	3,070	3,440	1,830	3,210	2,800	3,510	22,700	49,300	19,600	6,020	4,080	3,510
19	3,140	3,360	1,700	3,140	2,900	*3,480	26,400	46,500	18,500	5,820	3,830	3,510
20	3,140	3,280	1,860	3,070	3,000	3,440	29,100	44,300	17,100	5,630	3,750	3,510
21	3,140	3,070	1,980	2,930	3,280	*3,430	31,400	41,000	16,100	5,440	3,670	3,360
22	3,140	3,000	2,200	3,000	3,440	*3,420	33,400	36,400	14,800	5,250	3,590	3,280
23	3,140	3,000	2,400	3,000	3,590	*3,410	35,400	33,400	14,200	5,060	3,590	3,210
24	3,070	3,210	2,930	2,930	3,670	*3,390	40,000	32,400	13,900	5,250	3,510	3,140
25	3,000	3,440	3,200	2,620	3,670	*3,380	39,500	33,900	13,900	5,250	3,360	3,070
26	3,140	3,280	3,440	2,450	3,510	*3,370	35,900	37,400	13,600	5,250	3,280	3,070
27	3,210	3,140	3,440	2,290	3,360	3,360	31,900	40,500	12,700	4,970	3,280	3,070
28	3,280	3,210	3,510	2,340	3,280	3,440	28,600	43,700	11,900	4,790	3,210	3,070
29	3,280	3,280	3,440	2,400	3,360	3,440	26,400	44,800	11,100	4,610	3,210	3,070
30	3,280	3,000	3,360	2,290	-	3,360	25,600	44,300	10,500	4,520	3,140	3,070
31	3,140	-	3,210	2,340	-	3,210	-	43,700	-	4,340	3,070	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	91,850	3,280	2,620	2,963	182,200
November	97,750	3,590	3,000	3,258	193,900
December	85,210	3,510	1,700	2,749	169,000
Calendar year 1935	2,882,220	42,100	1,700	7,896	5,718,000
January	90,610	3,510	2,290	2,923	179,700
February	86,830	3,670	2,240	2,994	172,200
March	119,130	4,610	3,210	3,843	236,300
April	521,170	40,000	3,000	17,370	1,034,000
May	1,306,300	69,200	26,900	42,140	2,591,000
June	756,800	47,100	10,500	25,230	1,501,000
July	205,440	10,000	4,340	6,627	407,500
August	120,090	5,440	3,070	3,874	238,200
September	101,390	3,920	3,070	3,380	201,100
Water year 1935-36	3,582,570	69,200	1,700	9,788	7,106,000

*Interpolated.

Valley Creek at Stanley, Idaho

Location.- Staff gage, lat. 44°13', long. 114°56', in sec. 3, T. 10 N., R. 13 E., a quarter of a mile above confluence with Salmon River and three-quarters of a mile above old Stanley post office.

Drainage area.- 176 square miles.

Records available.- December 1910 to October 1913, May 1921 to September 1936.

Average discharge.- 16 years (1911-13, 1922-36), 178 second-feet.

Extremes.- Maximum discharge observed during year, 1,170 second-feet June 1 (gage height, 3.34 feet); minimum daily discharge, 50 second-feet Dec. 17-20; minimum gage height observed, 1.02 feet Jan. 3, 6.

1910-13, 1921-36: Maximum discharge observed, 1,850 second-feet May 29, 1921 (gage height, 4.4 feet); minimum (estimated), 40 second-feet Nov. 17-30, 1929, and Dec. 8-13, 1932.

Remarks.- Records good except those for Nov. 19-26, Nov. 28 to Dec. 5, Dec. 14 to Jan. 2, Jan. 7-12, Apr. 1-7, July 31 to Aug. 2, Aug. 8, 9, Sept. 5, computed on basis of weather records and hydrographic comparison with records for stations in same basin, which are fair. Gage read two to four times a week except during the spring run-off, when daily observations are made. 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	65	77	65	55	*66	*74	70	592	1,170	252	100	*84
2	*64	*78	65	55	*66	*75	70	538	1,090	252	100	81
3	63	*80	65	56	66	77	70	620	1,090	252	115	*78
4	*64	81	65	*56	*66	*74	70	592	772	*242	*108	75
5	66	*79	65	*56	*65	72	70	772	740	232	102	90
6	*67	77	66	56	65	*74	70	592	772	*223	*94	90
7	66	*77	*68	55	*66	77	70	565	940	214	86	*86
8	*67	77	*71	55	66	77	73	538	805	*223	80	*83
9	66	*83	73	60	*66	*78	*72	510	740	232	90	79
10	*66	*90	*70	60	66	*80	70	*565	565	232	107	*80
11	65	96	68	60	*66	81	*94	620	538	*215	120	*80
12	*66	88	*67	60	66	*79	117	710	565	*199	*111	81
13	*72	83	66	63	66	77	137	772	565	182	102	75
14	75	80	60	*63	*66	*76	147	870	565	166	*95	*76
15	*74	77	55	63	*66	*74	232	980	*556	*154	*88	*76
16	72	*76	55	*62	*65	73	232	905	*547	142	81	77
17	72	*76	50	61	65	*72	292	772	538	*137	*81	*78
18	72	75	50	*62	*66	70	336	710	510	132	*81	*80
19	*71	75	50	*64	66	*69	336	710	457	*130	81	81
20	*69	75	50	65	*66	*69	592	740	457	*127	*80	79
21	68	75	55	*66	*66	68	740	650	457	125	*80	*78
22	*70	75	55	66	66	*67	680	538	432	*126	79	*78
23	72	75	55	*66	*66	*65	1,090	510	*432	127	*79	77
24	*72	75	55	66	*66	*64	1,090	510	432	122	79	*76
25	73	75	55	*66	66	*62	1,010	565	432	120	75	75
26	*74	70	55	*66	*67	61	805	620	406	109	73	73
27	*74	70	55	*66	*69	*66	650	710	358	*108	77	73
28	*74	70	55	*66	70	70	680	805	313	107	*77	*73
29	75	70	55	*66	*72	*68	565	870	313	*104	77	*72
30	*76	70	55	*66	-	66	620	870	271	100	*82	72
31	*76	-	55	*66	-	68	-	905	-	100	86	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	2,170	76	63	70.0	0.398	0.46	4,300
November	2,325	96	70	77.5	.440	.49	4,610
December	1,849	73	50	59.6	.339	.39	3,670
Calendar year 1935	56,493	710	50	155	.881	11.96	112,000
January	1,913	66	55	61.7	.351	.40	3,790
February	1,924	72	65	66.3	.377	.41	3,820
March	2,223	81	61	71.7	.407	.47	4,410
April	11,150	1,090	70	372	2.11	2.35	22,120
May	21,226	980	510	685	3.89	4.48	42,100
June	17,828	1,170	271	594	3.38	3.77	35,360
July	5,186	252	100	167	.949	1.09	10,290
August	2,766	120	73	89.2	.507	.58	5,490
September	2,356	90	72	78.5	.446	.50	4,670
Water year 1935-36	72,916	1,170	50	199	1.13	15.39	144,600

*Interpolated.

Yankee Fork of Salmon River near Clayton, Idaho

Location.- Staff gage, lat. 44°16', long. 114°44', in sec. 20, T. 11 N., R. 15 E., 350 feet above confluence with Salmon River and 18 miles west of Clayton.

Drainage area.- 195 square miles.

Records available.- May 1921 to September 1936.

Average discharge.- 13 years (1922-24, 1925-36), 177 second-feet.

Extremes.- Maximum discharge observed during year, 2,010 second-feet May 15, 16 (gage height, 6.10 feet); minimum occurred during period of ice effect.
1921-36: Maximum discharge, 3,360 second-feet June 12, 1921 (gage height, 6.79 feet, present datum); minimum (estimated), 10 second-feet Dec. 5, 6, 1927.

Remarks.- Records fair except those for Nov. 9 to Apr. 5, which are poor. Discharge for period of ice effect, Nov. 9 to Apr. 5, and for Oct. 1-3, May 11-14, and July 25-27, computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for stations in same basin. No diversions or regulation above station. Gage-height record furnished by the Idaho Power & Mining Co., under Federal Power Commission Project No. 126. Gage read twice daily.

Rating table, Apr. 6 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

1.30	41	2.30	172	3.30	410	4.50	910
1.50	62	2.50	208	3.50	475	4.90	1,140
1.70	86	2.70	249	3.70	545	5.30	1,400
1.90	112	2.90	292	3.90	625	5.70	1,690
2.10	141	3.10	350	4.10	710	6.10	2,010

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	49					45	545	1,470	272	102	76
2	50	47					45	545	1,200	218	102	74
3	50	45					45	665	965	198	99	74
4	49	41					45	625	965	189	99	81
5	50	44					45	625	965	189	99	85
6	53	37					46	855	910	180	99	74
7	54	42					51	710	965	172	99	76
8	54	42					56	755	965	172	99	*76
9	49						58	755	755	*172	102	75
10	50						134	965	710	172	102	74
11	51						156	1,250	665	172	99	76
12	53						208	1,400	665	172	164	76
13	54						228	1,600	665	164	172	74
14	54						272	1,800	625	156	*130	76
15	51						350	2,010	625	148	89	72
16	51						365	1,930	585	141	*90	72
17	50						*475	1,330	510	141	92	74
18	49						585	1,330	510	141	92	67
19	49	40					665	1,330	475	126	86	67
20	50						710	1,140	475	126	86	67
21	49						755	1,140	410	126	87	68
22	51						805	710	365	126	73	67
23	53						1,080	710	350	126	74	66
24	51						855	710	350	126	73	67
25	50						805	710	350	120	76	66
26	46						665	755	365	120	75	63
27	45						625	1,330	272	115	76	64
28	44						625	1,330	272	111	*75	64
29	45						510	1,330	*272	108	74	62
30	45						510	1,400	272	107	76	61
31	47	—					-	1,470	-	104	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	1,547	54	44	49.9	0.256	0.30	3,070
November	1,227	49	-	40.9	.210	.23	2,430
December	1,085	-	-	35	.179	.21	2,150
Calendar year 1935	61,821	1,160	-	169	.867	11.81	122,600
January	1,240	-	-	40	.205	.24	2,460
February	1,160	-	-	40	.205	.22	2,300
March	1,395	-	-	45	.231	.27	2,770
April	11,819	1,080	45	394	2.02	2.25	23,440
May	33,760	2,010	545	1,089	5.58	6.43	66,960
June	18,948	1,470	272	632	3.24	3.62	37,580
July	4,710	272	104	152	.779	.90	9,340
August	2,935	172	73	94.7	.486	.56	5,820
September	2,134	85	61	71.1	.365	.41	4,230
Water year 1935-36	81,960	2,010	-	224	1.15	15.64	162,600

*Interpolated.

East Fork of Salmon River near Clayton, Idaho

Location.- Staff gage, lat. 44°13', long. 114°17', in NW¼ sec. 1, T. 10 N., R. 18 E., at highway bridge 4 miles above confluence with Salmon River and 7 miles southeast of Clayton.

Drainage area.- 497 square miles.

Records available.- September 1928 to September 1936.

Extremes.- Maximum discharge observed during year, 1,300 second-feet June 1 (gage height, 3.38 feet); minimum, 30 second-feet Dec. 19.
1928-36: Maximum discharge observed, 2,830 second-feet June 25, 1932 (gage height, 4.48 feet); minimum discharge observed, 29 second-feet Dec. 3, 1928; minimum gage height observed, 0.38 foot Nov. 23, 1931.

Remarks.- Records fair except those for Dec. 22 to Feb. 29, which are poor. Discharge for period of ice effect, Dec. 22 to Feb. 29, and for Apr. 12, July 13-19, Aug. 20-26, computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for stations in the same basin. Several small irrigation diversions above station.

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

0.5	27	1.5	192	2.5	650
.7	43	1.7	251	2.7	780
.9	68	1.9	325	2.9	920
1.1	102	2.1	418	3.1	1,060
1.3	144	2.3	530	3.4	1,300

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	78	91	68			82	63	251	1,300	347	129	106
2	88	91	65			82	67	220	955	306	129	106
3	84	88	65			82	67	220	955	306	129	104
4	78	88	62			86	67	286	620	268	133	102
5	81	84	62			84	71	418	620	268	133	102
6	81	81	62			82	71	325	748	268	133	102
7	81	81	62			81	67	286	885	268	151	102
8	84	81	60			82	82	306	815	251	174	102
9	84	81	60			84	100	325	682	251	206	102
10	88	84	60			82	100	369	560	236	394	102
11	88	81	60			81	120	530	560	220	394	98
12	91	78	57			81	140	620	560	220	236	98
13	91	81	57		50	82	153	682	530	210	220	95
14	91	84	43			82	153	990	530	200	206	95
15	93	88	39			86	165	1,140	530	190	172	95
16	91	91	38			86	167	850	530	180	158	95
17	91	88	36			84	220	650	530	170	151	95
18	91	81	34			82	286	850	530	170	149	95
19	88	81	30			82	325	650	530	160	140	95
20	88	91	34			82	251	369	530	151	135	95
21	91	81	38			82	325	369	501	140	130	95
22	88	84	45			74	325	369	501	137	125	95
23	91	88	45			73	347	530	501	142	120	95
24	88	84	45			71	347	620	501	140	110	95
25	84	78	45			67	369	650	501	140	105	95
26	88	78	45			67	325	650	472	129	105	91
27	82	74	45			67	306	780	472	126	106	89
28	91	71	45		60	74	251	1,060	472	124	114	91
29	88	68	45			74	251	1,220	347	129	114	91
30	88	71	45		-	74	268	1,220	325	126	110	89
31	88	-	45		-	67	-	1,220	-	129	106	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	2,703	93	78	87.2	0.175	0.20	5,360
November	2,471	91	68	82.4	.166	.19	4,900
December	1,542	68	30	49.7	.100	.12	3,060
Calendar year 1935	75,493	1,460	30	207	.416	5.67	149,700
January	1,395	-	-	45	.091	.10	2,770
February	1,490	-	-	51.4	.103	.11	2,960
March	2,445	86	67	78.9	.159	.18	4,850
April	5,854	369	67	195	.392	.44	11,610
May	18,825	1,220	220	607	1.22	1.41	37,340
June	18,093	1,300	325	603	1.21	1.35	35,890
July	6,102	347	124	197	.396	.46	12,100
August	4,917	394	105	159	.320	.37	9,750
September	2,912	106	89	97.1	.195	.22	5,780
Water year 1935-36	68,749	1,300	30	188	.378	5.15	136,400

Pahsimeroi River near May, Idaho

Location.- Staff gage, lat. 44°42', long. 114°3', in W½ sec. 25, T. 16 N., R. 20 E., a quarter of a mile below highway bridge on Challis-Salmon River highway, a quarter of a mile above confluence with Salmon River, and 10 miles northwest of May.

Records available.- October 1929 to September 1936.

Extremes.- Maximum discharge observed during year, 234 second-feet Nov. 7 to Dec. 4, June 7, 8; maximum gage height observed, 2.47 feet Nov. 8, 10, 11, minimum discharge observed, 99 second-feet May 19 (gage height, 1.69 feet).

1930-36: Maximum discharge observed, 279 second-feet Dec. 10-14, 16, 17, 1929; minimum, 75 second-feet Apr. 28, 1934.

Remarks.- Records fair. Numerous diversions above station for irrigation. Gage read once daily.

Discharge, 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	*210	234	200	200	212	188	124	155	124	134	144
2	155	*213	234	200	200	212	188	111	188	134	134	155
3	155	*216	234	200	200	212	188	111	200	124	134	155
4	155	*220	234	212	200	212	188	111	188	124	134	155
5	155	223	223	200	200	212	188	113	188	124	134	155
6	155	223	223	200	200	212	188	115	188	124	134	155
7	155	234	223	200	188	212	188	115	234	134	134	155
8	155	234	223	200	188	212	188	111	234	134	134	166
9	166	234	212	212	188	212	188	108	223	134	134	166
10	166	234	212	212	188	212	177	111	212	134	144	166
11	166	234	223	212	200	212	177	111	200	*134	*144	166
12	166	234	223	212	200	212	177	110	200	134	*144	155
13	166	234	223	212	188	212	166	110	188	144	*144	155
14	166	234	223	212	188	200	166	110	188	144	*144	155
15	166	234	212	212	188	200	166	108	166	144	144	155
16	166	234	212	212	188	200	155	110	155	134	144	155
17	177	*234	212	200	188	200	155	108	144	134	144	155
18	177	*234	200	200	188	200	155	102	144	134	144	166
19	177	*234	212	200	188	200	155	99	144	134	134	166
20	177	*234	212	200	188	200	144	115	134	134	134	166
21	177	234	200	200	200	200	144	113	134	134	144	166
22	177	234	200	200	200	200	144	113	134	134	144	166
23	200	234	200	200	200	200	166	115	134	134	134	166
24	200	234	200	200	200	200	155	115	134	124	134	166
25	200	234	200	200	200	200	155	115	134	134	*134	166
26	200	234	200	200	200	200	144	113	134	134	*134	166
27	200	234	212	200	200	188	144	113	134	134	*134	166
28	200	234	212	200	200	188	124	*114	134	134	134	166
29	200	234	212	200	200	188	124	*114	124	134	144	166
30	*203	234	200	200	-	188	124	115	134	134	144	166
31	*207	-	200	200	-	188	-	115	-	134	144	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,440	207	155	175	10,790
November	6,921	234	210	231	13,730
December	6,640	234	200	214	13,170
Calendar year 1935	60,482	234	86	166	120,000
January	6,308	212	200	203	12,510
February	5,656	200	188	195	11,220
March	6,296	212	188	203	12,490
April	4,909	188	124	164	9,740
May	3,468	124	99	112	6,880
June	5,003	234	124	167	9,920
July	4,124	144	124	133	8,180
August	4,294	144	134	139	8,520
September	4,826	166	144	161	9,570
Water year 1935-36	63,885	234	99	175	126,700

*Interpolated.

Lemhi River at Salmon, Idaho

Location.- Staff gage, lat. 45°10', long. 113°51', in sec. 10, T. 21 N., R. 22 E., 250 feet below highway bridge, 700 feet above diversion gates for Idaho Power Co., 1,000 feet above Kirtly Creek, and 1 mile southeast of Salmon.

Records available.- August 1928 to September 1936.

Extremes.- Maximum discharge during year, about 2,400 second-feet June 3 (gage height, about 4.0 feet, from floodmarks), from rating curve extended above 1,200 second-feet; minimum discharge observed, 38 second-feet Aug. 3 (gage height, 0.99 foot).
1928-36: Maximum discharge, that of June 3, 1936; minimum, 14 second-feet July 22, 23, 1931.

Remarks.- Records fair. Discharge for periods of ice effect or missing gage heights, Dec. 15 to Jan. 2, Jan. 7-15, Jan. 27 to Feb. 4, Feb. 9-27 computed on basis of weather records and hydrographic comparison with records for other Salmon River stations. Discharge for June 3, 4, based on floodmarks and observer's notes. Many diversions for irrigation above station. Idaho Power Co. (formerly Salmon River Power & Light Co.) diverts water for power 700 feet 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	*67	258	156	160	150	201	157	338	361	120	41	50
2	70	277	175	160	150	205	157	*341	1,260	109	41	57
3	76	277	167	160	150	214	157	344	2,300	114	38	60
4	84	277	167	*154	150	222	*172	378	1,900	120	41	80
5	89	277	167	147	150	222	186	378	1,480	131	44	94
6	99	277	175	147	182	214	186	373	1,200	194	47	109
7	104	277	182	150	190	222	186	367	1,310	205	47	114
8	104	*274	197	160	182	214	194	367	1,200	197	54	117
9	109	272	197	170	180	205	209	367	1,040	147	54	112
10	109	258	197	170	180	205	209	378	890	112	54	106
11	114	248	197	170	200	205	218	440	842	66	*72	96
12	114	248	197	170	200	205	*260	508	663	62	89	96
13	126	248	197	170	200	205	301	582	663	62	171	96
14	131	258	197	170	200	205	307	582	544	55	131	101
15	150	258	170	170	200	205	307	582	*544	59	114	112
16	157	*248	150	154	200	209	317	544	544	62	104	134
17	178	239	130	147	200	209	328	473	396	60	84	128
18	178	231	130	147	200	209	328	440	367	60	84	123
19	178	231	130	*147	200	209	*338	440	312	60	80	112
20	178	222	130	147	200	209	349	440	282	*58	80	114
21	171	235	140	*147	200	209	373	384	178	57	84	109
22	175	*237	150	147	200	201	355	312	150	57	80	109
23	178	239	150	147	200	201	544	301	123	60	72	109
24	178	239	150	147	200	194	473	262	154	60	64	109
25	178	239	150	*144	200	194	473	248	160	62	60	109
26	*192	239	160	141	200	194	473	226	175	60	57	109
27	205	239	160	140	200	194	440	235	167	57	54	109
28	222	239	160	140	205	194	*384	244	160	54	*52	109
29	214	231	160	140	209	194	328	253	231	47	50	109
30	214	*208	160	140	-	160	328	262	175	44	50	109
31	231	-	160	140	-	164	-	312	-	44	50	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,573	231	67	148	9,070
November	7,500	277	208	250	14,880
December	5,138	197	130	166	10,190
Calendar year 1935	71,135	1,040	19	195	141,100
January	4,743	170	140	153	9,410
February	5,478	209	150	189	10,870
March	6,293	222	160	203	12,480
April	9,037	544	157	301	17,920
May	11,701	582	226	377	23,210
June	19,771	2,300	123	659	39,220
July	2,655	205	44	85.6	5,270
August	2,143	171	38	69.1	4,250
September	3,091	134	50	103	6,130
Water year 1935-36	82,123	2,300	38	224	162,900

*Interpolated.

North Fork of Salmon River at North Fork, Idaho

Location.- Staff gage, lat. 45°25', long. 113°59', in SW¼ sec. 16, T. 24 N., R. 21 E., 750 feet above bridge on Salmon River highway, a quarter of a mile above mouth, and a quarter of a mile northeast of North Fork.

Drainage area.- 214 square miles.

Records available.- October 1929 to September 1936. April to September 1912 at site 6 miles upstream and above mouth of Spring Creek.

Extremes.- Maximum discharge observed during year, 670 second-feet May 15 (gage height, 3.14 feet, on auxiliary gage 200 feet downstream); minimum, 26 second-feet Oct. 3, 11. A lesser discharge probably occurred during winter.

1929-36: Maximum discharge, 901 second-feet June 13, 1933 (gage height, 4.40 feet); minimum, 11 second-feet Dec. 8, 1932 (gage height, 0.06 foot).

Remarks.- Records good except those for period of ice effect, Dec. 1 to Mar. 2, Mar. 30 to Apr. 3, which were computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for other stations in the same basin and are poor. No diversions. Gage read once daily. Gage heights were obtained from auxiliary gage 200 feet downstream as permanent gage was inaccessible.

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

Oct. 1 to Apr. 21				Apr. 22 to Sept. 30			
0.6	23.5	1.4	137	0.7	36	1.8	230
.8	39.5	1.7	206	.9	54	2.1	316
1.0	65	2.0	290	1.1	82	2.4	414
1.2	99	2.3	378	1.3	117	2.7	520
				1.5	158	3.1	670

Note.- Above tables apply to auxiliary gage.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	42				45	40	348	520	113	48	39
2	27	44				45	40	364	484	112	47	40
3	26	48				44	40	397	431	104	49	53
4	27	49				42	43	484	380	99	49	55
5	27	42				45	43	556	348	96	47	53
6	27	46				43	42	484	348	82	45	48
7	27	45				43	45	414	397	84	47	47
8	27	45				45	48	380	364	90	45	47
9	27	46				50	50	397	348	87	48	47
10	27	41				43	54	448	332	90	*50	47
11	26	39				45	86	520	301	104	53	45
12	30	43				48	119	556	286	90	67	46
13	35	42			30	45	158	632	272	85	54	47
14	35	36				44	170	670	257	92	51	48
15	37	43				43	181	670	272	82	50	49
16	35	45				48	206	632	244	79	48	48
17	35	43				45	247	556	230	73	46	46
18	37	43				46	290	484	205	68	44	45
19	45	39				46	348	448	205	66	45	43
20	38	39				51	348	448	193	63	45	42
21	38	43				52	378	414	170	62	44	41
22	42	38				52	397	380	170	58	43	40
23	38	42				51	520	348	158	62	42	41
24	38	44				45	556	332	152	67	40	41
25	38	42				50	520	348	154	62	41	42
26	39	42				50	484	380	154	54	39	43
27	40	40				44	397	397	143	54	39	42
28	40	43			35	42	364	414	135	53	38	41
29	40	37				41	348	397	125	49	37	42
30	32	40				40	332	380	121	47	38	42
31	37	-				40	-	380	-	47	39	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	1,044	45	26	33.7	0.157	0.18	2,070
November	1,271	49	36	42.4	.198	.22	2,520
December	930	-	-	30.0	.140	.16	1,840
Calendar year 1935	29,375	423	-	80.5	.376	5.10	58,260
January	930	-	-	30.0	.140	.16	1,840
February	890	-	-	30.7	.143	.15	1,770
March	1,413	52	40	45.6	.213	.25	2,800
April	6,894	556	40	230	1.07	1.19	13,670
May	14,058	670	332	453	2.12	2.44	27,880
June	7,899	520	121	263	1.23	1.37	15,670
July	2,374	113	47	76.6	.358	.41	4,710
August	1,418	67	37	45.7	.214	.25	2,810
September	1,350	55	39	45.0	.210	.23	2,680
Water year 1935-36	40,471	670	-	111	.519	7.01	80,260

*Interpolated.

Middle Fork of Salmon River near Cape Horn, Idaho

Location.- Water-stage recorder, lat. 44°25', long. 115°18', in sec. 34, T. 13 N., R. 11 E., 1,100 feet below Little Beaver Creek, half a mile below junction of Marsh and Beaver Creeks, and 1½ miles northwest of Cape Horn.

Drainage area.- 138 square miles.

Records available.- September 1928 to September 1936.

Extremes.- Maximum discharge during year, 1,810 second-feet May 14 (gage height, 5.78 feet); minimum discharge recorded, 46 second-feet Oct. 23 (gage height, 2.17 feet). A lesser discharge probably occurred during winter.

1928-36: Maximum discharge, 2,340 second-feet June 9, 1933 (gage height, 6.26 feet); minimum (estimated), 35 second-feet Nov. 26-30, 1929.

Remarks.- Records good except those for periods of ice effect or missing gage heights, Nov. 3-5, 10-26, Nov. 28 to Apr. 17, computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for Johnson Creek near Yellow Pine and other stations in the same basin, which are poor. 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	73	71					60	568	1,450	232	117	93
2	73	68					60	595	1,410	220	121	93
3	73	65					60	695	1,140	210	125	101
4	73	65					60	832	1,010	207	115	103
5	73	70					60	860	920	198	107	107
6	75	71					60	722	890	190	105	100
7	78	70					60	695	1,080	190	105	96
8	75	70					60	778	920	198	101	94
9	73	71					60	832	805	223	103	91
10	73	70					60	920	695	214	113	88
11	73	70					70	1,110	670	210	125	88
12	82	70					80	1,290	645	195	121	88
13	79	70					90	1,450	620	187	115	94
14	79	70					100	1,620	590	181	107	96
15	80	70					120	1,720	586	170	101	96
16	79	75					140	1,450	546	162	100	93
17	75	75					170	1,250	496	158	98	89
18	75	70					217	1,180	462	150	98	88
19	73	70					253	1,140	432	148	96	86
20	73	70					361	1,110	402	145	96	86
21	73	65					445	950	377	141	96	83
22	70	65					501	832	357	141	94	83
23	68	65					645	805	341	143	93	82
24	71	65					670	832	326	138	91	80
25	71	65					645	920	318	134	89	79
26	70	65					595	1,040	299	130	89	80
27	68	67					546	1,180	277	127	89	80
28	68	65					510	1,250	263	123	89	80
29	70	60					528	1,250	253	121	89	80
30	65	60					550	1,250	243	119	93	78
31	67	-					-	1,290	-	117	96	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	2,268	82	65	73.2	0.530	0.61	4,500
November	2,043	75	60	68.1	.493	.55	4,050
December	1,550	-	-	50	.362	.42	3,070
Calendar year 1935	69,087	1,110	-	189	1.37	18.61	137,000
January	1,705	-	-	55	.399	.46	3,380
February	1,595	-	-	55	.399	.43	3,160
March	2,015	-	-	65	.471	.54	4,000
April	7,836	670	60	261	1.89	2.11	15,540
May	32,416	1,720	568	1,046	7.58	8.74	64,300
June	18,823	1,450	243	627	4.54	5.06	37,330
July	5,222	232	117	168	1.22	1.41	10,360
August	3,177	125	89	102	.739	.85	6,300
September	2,675	107	78	89.2	.646	.72	5,310
Water year 1935-36	81,325	1,720	-	222	1.61	21.90	161,300

Middle Fork of Salmon River near Meyers Cove, Idaho

Location.- Staff gage lat. 44°57', long 114°44', in sec. 27, T. 19 N., R. 14 E., at the Geo. D. Crandall ranch, 500 feet below Brush Creek and 15 miles northwest of Meyers Cove.

Drainage area.- 2,020 square miles.

Records available.- July 1931 to September 1936.

Extremes.- Maximum discharge observed during year, 14,700 second-feet May 15, 16; maximum gage height, 7.56 feet May 16, minimum discharge occurred during winter. 1931-36: Maximum discharge observed, 17,000 second-feet June 10, 1933 (gage height, 8.10 feet); minimum not determined.

Remarks.- Records good except those for December to February, which are fair. Discharge for period of ice effect, Nov. 29 to Mar. 16, computed on basis of weather records and hydrographic comparison with records for Salmon River at Whitebird and other stations in the same 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	600	655				600	578	4,610	10,400	2,090	992	750
2	600	655				650	578	5,120	11,200	2,020	992	750
3	600	655				700	578	5,940	10,400	1,950	992	785
4	628	655				750	600	6,540	9,600	1,880	945	860
5	600	628				750	600	6,840	7,820	1,810	945	902
6	628	600				750	628	7,160	7,480	1,810	945	860
7	628	600				750	600	6,840	7,480	1,740	902	822
8	600	578				750	628	6,840	8,160	1,680	902	785
9	600	578				800	685	6,240	7,820	1,810	902	785
10	600	555				800	750	6,840	6,240	1,740	902	750
11	600	555				750	785	8,500	6,240	1,680	992	750
12	600	600				700	902	10,400	5,660	1,740	1,200	750
13	628	655				700	1,550	11,600	5,120	1,550	1,140	750
14	655	628				650	2,090	13,300	5,120	1,490	992	750
15	655	498				650	2,320	14,700	4,860	1,430	945	785
16	655	655				650	2,960	14,700	4,610	1,370	902	785
17	655	655				628	3,710	14,200	4,370	1,310	902	785
18	655	655				655	4,610	12,900	4,140	1,260	902	785
19	655	555				685	5,120	9,980	3,920	1,260	902	750
20	628	578				685	5,660	9,600	3,510	1,200	860	750
21	628	600				750	6,540	8,160	3,920	1,200	860	750
22	628	628				750	6,840	6,840	3,710	1,310	860	715
23	600	655				785	7,480	6,840	2,960	1,430	860	715
24	600	685				750	7,820	6,840	2,800	1,310	822	715
25	600	628				750	7,160	7,160	2,630	1,260	822	715
26	600	600				685	6,540	7,480	2,630	1,200	785	*715
27	628	600				628	6,240	8,500	2,320	1,140	785	715
28	628	600				600	5,120	9,220	2,320	1,090	785	715
29	628	600				578	4,610	9,220	2,160	992	750	715
30	628	550				600	4,140	9,600	2,160	992	750	715
31	655	-				600	-	9,600	-	992	750	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	19,293	655	600	622	0.308	0.36	38,270
November	18,339	685	498	611	.302	.34	36,370
December	14,725	-	-	475	.235	.27	29,210
Calendar year 1935	586,245	9,220	-	1,606	.795	10.81	1,163,000
January	16,275	-	-	525	.260	.30	32,280
February	15,950	-	-	550	.272	.29	31,640
March	21,529	800	578	694	.344	.40	42,700
April	98,422	7,820	578	3,281	1.62	1.81	195,200
May	272,310	14,700	4,610	8,784	4.35	5.02	540,100
June	161,760	11,200	2,160	5,392	2.67	2.98	320,800
July	45,736	2,090	992	1,475	.730	.84	90,720
August	27,985	1,200	750	903	.447	.52	55,510
September	22,874	902	715	762	.377	.42	45,370
Water year 1935-36	735,198	14,700	-	2,009	.995	13.55	1,458,000

*Interpolated.

Bear Valley Creek near Cape Horn, Idaho

Location.- Water-stage recorder in about sec. 31, T. 13 N., R. 10 E., 250 feet below Fir Creek, 5 miles above mouth, and 7 miles northwest of Cape Horn.

Drainage area.- 180 square miles.

Records available.- September 1921 to September 1936.

Extremes.- Maximum discharge during year, 2,500 second-feet May 15 (gage height, 4.82 feet); minimum discharge recorded, 39 second-feet Nov. 10.
1921-36: Maximum discharge, 3,450 second-feet June 9, 1933 (gage height, 5.49 feet); minimum, 28 second-feet Nov. 11, 1931.

Remarks.- Records good except those for periods of ice effect or missing gage heights, Nov. 4, 5, 11-13, Nov. 15 to Apr. 20, computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for Johnson Creek near Yellow Pine and other stations in same basin, which are poor. No regulation or diversions above station.

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

1.2	68	3.0	860
1.4	109	3.2	1,005
1.6	160	3.4	1,160
1.8	223	3.6	1,320
2.0	298	3.8	1,490
2.2	385	4.0	1,670
2.4	485	4.2	1,860
2.6	600	4.4	2,060
2.8	725	4.6	2,280

Discharge, 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	102					80	853	1,580	255	123	100
2	85	100					80	881	1,670	245	121	100
3	85	87					80	952	1,320	237	138	105
4	83	80					80	1,130	1,180	227	133	126
5	83	90					80	1,160	1,050	216	123	123
6	85	96					80	909	975	210	116	119
7	87	102					80	797	1,360	206	114	111
8	85	96					80	916	1,490	210	111	105
9	85	94					80	1,080	1,060	267	109	102
10	85	74					80	1,280	881	227	109	100
11	83	90					90	1,440	811	216	149	98
12	94	100					100	1,620	770	210	163	96
13	102	100					110	1,810	738	197	146	100
14	96	96					130	2,060	686	193	128	102
15	96	95					160	2,280	654	187	116	107
16	98	100					190	2,060	636	175	111	107
17	94	100					250	1,720	564	169	107	102
18	91	95					350	1,580	524	163	105	100
19	91	90					450	1,490	475	155	102	98
20	91	85					550	1,400	445	152	102	96
21	87	85					680	1,210	410	146	102	94
22	81	85					692	1,030	385	146	102	91
23	76	85					832	990	362	146	*99	91
24	83	85					902	1,030	344	146	96	91
25	87	85					909	1,100	349	141	98	91
26	83	85					881	1,210	323	138	100	91
27	83	85					818	1,280	302	136	100	91
28	83	85					758	1,400	282	131	100	91
29	85	80					751	1,360	275	128	100	91
30	81	80					790	1,320	263	126	100	91
31	83	-					-	1,360	-	126	100	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	2,696	102	76	87.0	0.483	0.56	5,350
November	2,712	102	74	90.4	.502	.56	5,380
December	2,170	-	-	70	.389	.45	4,300
Calendar year 1935	84,310	1,500	-	231	1.28	17.42	166,900
January	2,325	-	-	75	.417	.48	4,610
February	2,175	-	-	75	.417	.45	4,310
March	2,635	-	-	85	.472	.54	5,230
April	11,193	909	80	373	2.07	2.31	22,200
May	40,708	2,280	797	1,313	7.29	8.40	80,740
June	22,164	1,670	263	739	4.11	4.59	43,960
July	5,627	267	126	182	1.01	1.16	11,160
August	3,523	163	96	114	.633	.73	6,990
September	3,010	126	91	100	.556	.62	5,970
Water year 1935-36	100,938	2,280	-	276	1.53	20.85	200,200

*Interpolated.

South Fork of Salmon River near Knox, Idaho

Location.- Staff gage, lat. 44°39', long. 115°42', in NW¼ sec. 11, T. 15 N., R. 6 E., an eighth of a mile below Curtis Creek, three-quarters of a mile above Warm Lake Creek, 1¼ miles southwest of Knox, and 21 miles northeast of Cascade.

Drainage area.- 92 square miles.

Records available.- September 1928 to September 1936.

Extremes.- Maximum discharge observed during year, 1,340 second-feet May 14 (gage height, 4.45 feet); minimum, 29 second-feet Oct. 1, 9, 11 (gage height, 1.24 feet). A lesser discharge may have occurred during period of ice effect.

1928-36: Maximum discharge observed, 1,560 second-feet June 9, 1933 (gage height, 4.69 feet); minimum, 16 second-feet Feb. 17, Aug. 19, 20, 1931.

Remarks.- Records fair. Gage read three or four times a week. Discharge for period of ice effect, Nov. 7 to Mar. 1, and for May 23-25, 30, 31, June 6, Aug. 9, 10, Sept. 1, 2, and 4 computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for station near Warren and Johnson Creek at Yellow Pine. No diversions above station.

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

1.2	26	2.6	338
1.4	44	2.8	420
1.6	69	3.2	605
1.8	101	3.6	820
2.0	144	4.0	1,065
2.2	199	4.4	1,340
2.4	264		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	40				32	*35	378	709	117	46	33
2	*30	42				34	34	*410	709	109	44	35
3	30	*39				*36	*33	442	556	111	*43	45
4	*30	*37				*38	32	*499	*521	*107	*43	50
5	31	34				40	*36	556	486	*103	42	39
6	*32	34				*40	40	*510	500	99	*41	35
7	32	35				39	*43	464	820	*99	41	*36
8	*30	35				*39	*45	*486	556	99	40	36
9	29	35				39	48	509	*499	*100	40	*36
10	*29	35				*39	*52	556	442	*100	42	*37
11	29	35				39	56	*778	420	101	57	*38
12	*30	35				*38	121	1,000	378	*90	*54	38
13	31	35				*37	*145	*1,170	*365	78	52	*38
14	*32	30				36	*169	1,340	*351	*75	*46	38
15	32					38	193	*1,170	338	72	41	*38
16	*33					38	*246	1,000	*301	*71	*40	*38
17	34					*39	300	764	264	*69	39	*38
18	*33					*39	*340	*764	*242	68	*39	38
19	*32					40	*380	764	*221	*66	*38	*38
20	*32					*40	420	*695	199	65	*38	38
21	31					40	*431	*625	*190	*61	38	36
22	*32	32				*40	442	556	182	57	*38	*34
23	32					40	*499	500	*174	*57	37	32
24	32					*40	556	550	165	*56	*36	*32
25	*32					*39	656	600	*157	56	36	32
26	*33					39	*549	656	149	*54	36	31
27	*34					*39	442	709	*143	*53	*34	*31
28	34					39	*420	*764	*136	51	33	*31
29	*36					*38	399	820	*130	*50	*33	*31
30	38					38	*388	800	*123	49	*33	31
31	*39	-				*37	-	800	-	*48	33	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	993	39	29	32.0	0.348	0.40	1,970
November	1,013	42	-	33.8	.367	.41	2,010
December	930	-	-	30	.326	.38	1,840
Calendar year 1935	41,396	878	-	113	1.23	16.74	82,100
January	992	-	-	32	.348	.40	1,970
February	986	-	-	34	.370	.40	1,960
March	1,189	40	32	38.4	.417	.48	2,360
April	7,550	656	32	252	2.74	3.06	14,980
May	21,635	1,340	378	698	7.59	8.75	42,910
June	10,426	820	123	348	3.78	4.22	20,680
July	2,391	117	48	77.1	.838	.97	4,740
August	1,253	57	33	40.4	.439	.51	2,490
September	1,083	50	31	36.1	.392	.44	2,150
Water year 1935-36	50,441	1,340	-	138	1.50	20.42	100,100

*Interpolated.

South Fork of Salmon River near Warren, Idaho

Location.- Staff gage, lat. 45°9', long. 115°35', in SE¼ sec. 15, T. 21 N., R. 7 E., 500 feet below Elk Creek, 900 feet north of Elk Creek power plant, and 8 miles southeast of Warren.

Drainage area.- 1,160 square miles.

Records available.- July 1931 to September 1936.

Extremes.- Maximum discharge observed during year, 12,800 second-feet May 15 (gage height, 11.10 feet); minimum, 200 second-feet Jan. 26 (gage height, 2.35 feet).

1931-36: Maximum discharge observed, 20,000 second-feet June 9, 1933 (gage height, 13.16 feet), from rating curve extended above 8,000 second-feet; minimum, that of Jan. 26, 1936.

Remarks.- Records good. Gage read twice daily. Discharge for periods of ice effect, Dec. 2-8, 16-25, and Jan. 28 computed on basis of gage-height, weather records, observer's notes, and hydrographic comparison with records for other stations in the same basin.

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

2.3	190	6.5	3,560
2.6	255	7.0	4,340
2.9	340	7.5	5,200
3.2	450	8.0	6,110
3.5	600	8.5	7,060
4.0	920	9.0	8,060
4.5	1,330	9.5	9,110
5.0	1,790	10.0	10,210
5.5	2,310	10.5	11,360
6.0	2,890	11.1	12,810

Discharge, 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	340	230	375	450	450	358	4,680	8,480	1,600	600	392
2	340	375	220	375	450	495	358	4,850	7,860	1,510	572	410
3	340	310	220	375	450	520	392	5,560	6,680	1,420	572	450
4	392	268	240	375	392	520	410	6,870	6,300	1,330	572	520
5	375	375	250	375	450	520	375	7,660	5,740	1,240	545	520
6	375	450	350	280	410	520	410	6,490	5,200	1,240	520	472
7	358	410	375	325	392	520	430	5,740	6,870	1,160	520	450
8	358	392	400	375	375	520	450	5,740	6,110	1,240	520	430
9	358	410	392	392	375	572	495	6,110	5,380	1,330	495	410
10	340	375	410	392	450	572	545	6,870	4,850	1,240	495	410
11	340	340	392	472	472	520	780	8,900	4,680	1,160	600	410
12	410	392	450	472	472	520	1,330	10,200	4,510	1,080	850	392
13	450	392	410	430	430	520	1,790	10,900	4,510	1,080	748	472
14	410	375	358	410	410	495	2,200	11,600	4,180	1,000	628	450
15	392	325	255	410	392	472	2,530	12,600	3,860	920	545	450
16	392	410	230	392	392	430	3,020	10,400	3,710	920	520	450
17	392	392	242	392	375	430	3,420	8,900	3,420	885	495	450
18	375	375	350	340	375	430	4,340	8,480	3,150	850	472	450
19	375	295	350	375	410	450	5,200	8,270	2,890	815	472	430
20	375	295	360	392	392	450	5,740	8,060	2,770	780	472	410
21	375	358	360	392	410	520	5,740	6,870	2,650	748	450	410
22	375	325	370	358	450	495	5,920	6,110	2,420	715	450	392
23	340	450	380	340	472	450	6,870	5,740	2,310	748	430	392
24	340	430	390	340	450	450	6,870	6,490	2,310	748	430	375
25	392	358	400	242	410	410	6,490	6,870	2,310	715	430	375
26	392	375	410	200	410	410	5,740	7,860	2,200	685	430	375
27	392	375	430	210	410	410	5,020	8,270	1,990	655	430	375
28	375	340	410	400	410	450	4,680	8,900	1,890	628	430	375
29	392	280	375	375	430	430	4,340	8,690	1,690	628	410	375
30	358	255	375	358	-	392	4,510	8,690	1,600	600	410	375
31	310	-	392	430	-	392	-	8,060	-	600	410	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	11,528	450	310	372	0.321	0.37	22,870
November	10,842	450	255	361	.311	.35	21,500
December	10,776	450	220	348	.300	.35	21,370
Calendar year 1935	512,362	9,110	220	1,404	1.21	16.43	1,016,000
January	11,369	472	200	367	.316	.36	22,550
February	12,166	472	375	420	.362	.39	24,130
March	14,735	572	392	475	.409	.47	29,230
April	90,753	6,870	358	3,025	2.61	2.91	180,000
May	241,430	12,600	4,680	7,788	6.71	7.74	478,900
June	122,520	8,480	1,600	4,084	3.52	3.93	243,000
July	30,270	1,600	600	976	.841	.97	60,040
August	15,923	850	410	514	.443	.51	31,580
September	12,647	520	375	422	.364	.41	25,080
Water year 1935-36	584,959	12,600	200	1,598	1.38	18.76	1,160,000

East Fork of South Fork of Salmon River at Stibnite, Idaho

Location.- Water-stage recorder, lat. 44°54', long. 115°19', in about sec. 14, T. 18 N., R. 9 E., 30 feet below mouth of Meadow Creek, half a mile northeast of Stibnite post office, and 10½ miles above mouth of Johnson Creek.

Drainage area.- 19.5 square miles.

Records available.- June 1928 to September 1936.

Extremes.- Maximum discharge during year, 220 second-feet May 14 (gage height, 3.65 feet); minimum discharge observed, 5 second-feet Dec. 31, Jan. 4, Feb. 5 (gage height, 1.85 feet).

1928-36: Maximum discharge, 369 second-feet June 14, 1933 (gage height, 4.49 feet); minimum, 4 second-feet Nov. 10, 1931, and Nov. 29, 1933, to Jan. 4, 1934.

Remarks.- Records good except those for Nov. 16 to Apr. 14, which are fair. Discharge computed on basis of weather records, hydrographic comparison with records for stations in same basin, and flow data furnished by Yellow Pine Co. Oct. 22, 23, Oct. 30 to Nov. 1, Nov. 3, 4, 16-18, 20-27, Nov. 29 to Dec. 2, Dec. 4-11, 13-17, 19-24, Dec. 26 to Apr. 14. Slight regulation by storage reservoir (capacity, about 700 acre-feet) on South Fork of Meadow Creek and a diversion from Meadow Creek of about a third of a second-foot for transporting mine tailings. Gage-height record furnished by Yellow Pine Co.

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

Apr. 15 to Sept. 30

1.8	3.5	2.8	78
2.0	9.3	3.0	105
2.2	19.0	3.2	136
2.4	34.5	3.4	171
2.6	54.5	3.6	210

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	9	7				7	49	136	33	14	8
2	9	9	7				7	51	130	28	12	9
3	9	9	6				7	60	114	26	12	10
4	10	9	6	*5			7	77	106	23	12	9
5	9	8	6		*5		7	84	95	21	11	9
6	10	10	6				7	72	102	22	11	9
7	9	9	6				7	71	114	22	11	9
8	9	10	6				7	73	95	24	11	9
9	9	9	6				7	76	86	27	11	9
10	9	10	6				7	88	81	22	11	9
11	9	10	6				11	106	77	24	13	9
12	11	9	6				15	128	76	21	16	9
13	10	10	6				19	158	73	20	12	10
14	10	12	6				23	186	70	19	11	10
15	10	13	6				27	190	70	18	11	9
16	9	10	6				32	158	65	18	11	9
17	9	10	6				50	138	60	17	10	9
18	10	10	6				52	136	57	17	10	9
19	9	9	6				52	136	52	17	10	9
20	10	9	6				63	133	49	16	10	9
21	9	9	6				67	120	47	15	10	9
22	9	9	6				71	111	44	16	9	9
23	9	9	6				76	106	43	16	9	9
24	9	9	6				73	101	46	16	9	9
25	9	9	6				72	112	46	15	9	9
26	9	8	6				64	123	42	15	9	9
27	9	8	6				54	131	39	16	9	9
28	9	8	6				51	130	39	15	9	9
29	9	7	6				48	133	38	14	9	9
30	9	7	6				49	131	38	14	9	9
31	9	-	5				-	133	-	14	9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	288	11	9	9.3	571
November	277	13	7	9.2	549
December	187	7	5	6.0	371
Calendar year 1935	7,986	155	-	21.9	15,840
January	217	-	-	7	430
February	203	-	-	7	403
March	217	-	-	7	430
April	1,039	76	7	34.6	2,060
May	3,501	190	49	113	6,940
June	2,130	136	38	71.0	4,220
July	601	33	14	19.4	1,190
August	330	16	9	10.6	655
September	272	10	8	9.1	540
Water year 1935-36	9,262	190	-	25.3	18,360

*Determined from staff gage reading.

East Fork of South Fork of Salmon River near Stibnite, Idaho

Location.- Staff gage, lat. 44°56', long. 115°20', in sec. 34, T. 19 N., R. 9 E., 200 feet below mouth of Sugar Creek, 3 miles north of Stibnite post office, and 8½ miles above mouth of Johnson Creek.

Drainage area.- 42.5 square miles.

Records available.- June 1928 to September 1936.

Extremes.- Maximum discharge observed during year, 452 second-feet May 15 and 16; maximum gage height observed, 2.62 feet May 15; minimum discharge, 10 second-feet Apr. 7.
1928-36: Maximum discharge observed, 783 second-feet June 15, 1933 (gage height, 3.51 feet); minimum, 10 second-feet Apr. 7, 1929, and Apr. 7, 1936.

Remarks.- Records good except those for Oct. 1-12, Oct. 23 to Nov. 15, June 4, computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for stations in the same basin, which are fair. Slight regulation by storage reservoir (capacity about 700 acre-feet) on South Fork of Meadow Creek and a diversion from Meadow Creek of about a third of a second-foot for transporting mine tailings. Gage read once daily. Gage-height record furnished by Yellow Pine Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16	16	12	12	11	12	13	100	268	67	27	20
2	16	16	12	12	11	11	14	103	268	57	27	21
3	16	16	11	11	11	11	11	113	254	57	26	22
4	16	16	13	11	12	12	12	142	240	55	26	22
5	16	16	12	12	11	12	11	227	214	51	26	24
6	16	16	11	11	12	12	12	201	188	49	25	24
7	16	16	11	11	12	11	10	176	201	49	25	24
8	16	16	12	12	12	11	11	164	188	47	24	23
9	16	16	13	14	12	11	11	164	176	45	24	24
10	16	16	14	14	11	12	12	164	164	45	24	24
11	16	16	11	13	11	11	24	240	153	45	24	23
12	20	16	11	12	11	12	40	296	142	43	23	22
13	19	16	12	12	12	12	52	372	132	43	23	23
14	18	19	12	12	12	12	56	404	142	41	24	22
15	19	21	11	12	12	13	72	452	132	39	24	22
16	17	15	12	12	12	14	94	452	128	38	24	22
17	16	15	11	11	12	12	100	420	128	36	24	22
18	17	14	12	12	11	12	106	372	124	36	24	22
19	18	15	12	11	12	13	128	326	122	34	24	22
20	16	14	12	11	12	14	142	282	105	34	23	21
21	17	13	12	12	12	14	176	214	98	33	23	21
22	16	14	11	11	12	15	176	201	96	33	23	21
23	16	13	12	12	12	13	188	201	94	31	23	21
24	16	12	12	12	12	12	176	214	88	33	22	20
25	16	13	12	11	12	11	153	227	87	31	22	20
26	16	12	11	11	12	13	132	227	84	31	22	20
27	16	12	12	12	12	14	124	240	81	29	22	20
28	16	11	12	11	11	13	113	240	80	29	21	20
29	16	13	12	11	11	12	110	268	78	29	21	20
30	16	12	12	12	-	11	110	268	72	29	21	20
31	16	-	12	12	-	12	-	268	-	27	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	513	20	16	16.5	0.388	0.45	1,020
November	446	21	11	14.9	.351	.39	885
December	367	14	11	11.8	.278	.32	728
Calendar year 1935	17,909	341	11	49.1	1.16	15.67	35,530
January	365	14	11	11.8	.278	.32	724
February	338	12	11	11.7	.275	.30	670
March	380	15	11	12.3	.289	.33	754
April	2,389	188	10	79.6	1.87	2.09	4,740
May	7,738	452	100	250	5.88	6.78	15,350
June	4,327	268	72	144	3.39	3.78	8,580
July	1,246	67	27	40.2	.946	1.09	2,470
August	732	27	21	23.6	.555	.64	1,450
September	652	24	20	21.7	.511	.57	1,290
Water year 1935-36	19,493	452	10	53.3	1.25	17.06	38,660

East Fork of South Fork of Salmon River near Yellow Pine, Idaho

Location.- Water-stage recorder, lat. 44°58', long. 115°27, in NE¼ sec. 27, T. 19 N., R. 8 E., 200 feet above Forest Service highway bridge, 1½ miles east of Yellow Pine, 1½ miles above Quartz Creek, 2 miles below Profile Creek, and 2.8 miles above mouth of Johnson Creek.

Drainage area.- 104 square miles.

Records available.- August 1928 to September 1936.

Extremes.- Maximum discharge during year, 1,170 second-feet May 15 (gage height, 4.02 feet); minimum discharge recorded, 25 second-feet Oct. 23. A lesser discharge may have occurred during winter.

1928-36: Maximum discharge, 2,050 second-feet June 14, 1933 (gage height, 5.26 feet); minimum discharge recorded, that of Oct. 23, 1935.

Remarks.- Records good except those for November to April, which are fair. Discharge for Oct. 31 to Apr. 11, Apr. 13-18, 20-24, 27-30, May 1, 12, 13, June 1-3, computed on basis of weather records, hydrographic comparison with records of other stations of same basin and result of one discharge measurement. Operation of Yellow Pine Co.'s power plant on this stream amd of small auxiliary storage reservoir on South Fork of Meadow Creek probably has slight effect upon flow.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45						30	280	800	165	82	56
2	44						30	290	800	160	81	58
3	45						30	341	650	152	81	62
4	45						30	460	552	144	79	64
5	45						30	555	507	137	76	62
6	45						30	451	524	134	74	59
7	45						30	388	570	140	71	56
8	44						32	368	507	142	71	55
9	43						35	418	465	152	71	55
10	44						40	546	427	130	76	54
11	44						60	672	414	137	89	52
12	54						99	750	414	125	112	52
13	51						140	850	392	121	86	58
14	49						180	975	372	119	76	58
15	50						210	1,170	368	112	72	56
16	47						240	1,010	348	108	70	55
17	47						270	800	319	106	70	55
18	47						300	684	304	106	66	54
19	47						334	691	284	100	65	52
20	46						400	665	270	97	66	51
21	46						450	582	257	97	64	51
22	45						500	507	244	104	62	50
23	37						550	470	237	102	59	50
24	46						500	490	241	99	59	50
25	47						450	570	244	95	59	49
26	45						372	751	215	91	58	49
27	44						325	730	197	91	59	49
28	44						300	758	188	88	58	47
29	46						275	870	179	86	56	47
30	42						275	800	171	84	56	45
31	40						-	807	-	82	56	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	1,409	54	37	45.5	0.438	0.50	2,790
November	1,050	-	-	35	.337	.38	2,080
December	930	-	-	30	.288	.33	1,840
Calendar year 1935	45,695	849	-	125	1.20	16.34	90,630
January	930	-	-	30	.288	.33	1,840
February	870	-	-	30	.288	.31	1,730
March	930	-	-	30	.288	.33	1,840
April	6,547	550	30	218	2.10	2.34	12,990
May	19,722	1,170	280	636	6.12	7.06	39,120
June	11,460	800	171	382	3.67	4.10	22,730
July	3,606	165	82	116	1.12	1.29	7,150
August	2,180	112	56	70.3	.676	.78	4,320
September	1,611	64	45	53.7	.516	.58	3,200
Water year 1935-36	51,245	1,170	-	140	1.35	18.33	101,600

Johnson Creek at Yellow Pine, Idaho

Location.- Water-stage recorder, lat. 44°58', long. 115°30', in NE¼ sec. 29, T. 19 N., R. 8 E., 700 feet above mouth and a quarter of a mile southwest of Yellow Pine post office.

Drainage area.- 213 square miles.

Records available.- August 1928 to September 1936.

Extremes.- Maximum discharge during year, 3,430 second-feet May 14 (gage height, 6.10 feet); minimum, 29 second-feet Dec. 2 (gage height, 0.79 foot).
1928-36: Maximum discharge, 5,150 second-feet June 9, 1933 (gage height, 7.62 feet); minimum, 22 second-feet Nov. 30, 1933 (gage height, 0.76 foot).

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

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

0.7	22	3.7	1,260
1.0	54	4.0	1,485
1.3	103	4.3	1,725
1.6	172	4.6	1,975
1.9	265	4.9	2,240
2.2	377	5.2	2,510
2.5	515	5.5	2,810
2.8	675	5.8	3,110
3.1	855	6.1	3,430
3.4	1,050		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	62	44	56	54	56	53	952	1,800	276	101	72
2	56	62	41	56	56	57	57	1,020	1,850	262	98	72
3	54	53	41	54	56	57	57	1,220	1,480	245	99	75
4	54	46	42	54	56	57	58	1,520	1,370	235	99	85
5	54	63	45	48	56	57	54	1,640	1,220	223	96	94
6	54	66	53	45	56	57	56	1,260	1,220	213	92	85
7	54	63	54	56	53	58	58	1,120	1,720	213	90	80
8	54	63	57	56	50	57	62	1,190	1,450	220	87	75
9	53	63	56	56	53	60	63	1,450	1,190	239	85	72
10	53	57	58	57	54	58	66	1,760	1,050	*227	87	71
11	53	60	58	64	54	56	82	2,100	985	*216	132	68
12	58	63	63	62	56	62	113	2,330	952	204	132	68
13	64	62	60	57	54	60	146	2,710	920	201	119	71
14	62	51	48	54	54	60	186	2,910	855	198	103	75
15	63	56	42	57	53	60	232	3,110	825	186	94	77
16	63	68	45	57	54	58	286	2,420	777	175	89	79
17	60	62	48	54	50	60	394	1,980	687	164	85	79
18	60	62	48	49	54	58	565	1,930	648	154	82	77
19	58	51	49	54	54	57	735	1,980	582	149	82	75
20	57	58	49	56	54	56	920	1,760	535	141	80	74
21	57	53	50	56	56	63	1,080	1,450	495	137	80	72
22	56	54	51	50	63	60	1,190	1,300	456	132	79	69
23	46	62	53	56	58	60	1,370	1,300	442	132	77	68
24	56	58	54	48	56	57	1,410	1,450	452	130	75	68
25	62	49	57	44	54	56	1,300	1,640	480	123	75	66
26	62	63	58	48	54	56	1,160	1,760	403	117	75	66
27	60	60	60	57	54	62	952	1,850	357	113	75	66
28	58	51	60	58	54	60	888	1,980	330	111	75	66
29	60	48	56	49	54	60	888	1,890	311	107	74	64
30	53	45	57	53	-	56	952	1,800	293	105	72	64
31	51	-	57	57	-	57	-	1,760	-	103	72	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	1,759	64	46	56.7	0.266	0.31	3,490
November	1,734	68	45	57.8	.271	.30	3,440
December	1,614	63	41	52.1	.245	.28	3,200
Calendar year 1935	100,784	2,100	41	276	1.30	17.60	199,900
January	1,678	64	44	54.1	.254	.29	3,330
February	1,584	63	50	54.6	.256	.28	3,140
March	1,814	63	56	58.5	.275	.32	3,600
April	15,433	1,410	53	514	2.41	2.69	30,610
May	54,542	3,110	952	1,759	8.26	9.52	108,200
June	26,135	1,850	293	871	4.09	4.56	51,840
July	5,451	276	103	176	.826	.95	10,800
August	2,761	132	72	89.1	.418	.48	5,480
September	2,193	94	64	73.1	.343	.38	4,350
Water year 1935-36	116,698	3,110	41	319	1.50	20.36	231,500

*Interpolated.

155105 O—37——14

Grande Ronde River at La Grande, Oreg.

Location.- Water-stage recorder, lat. 45°20'50", long. 118°8'50", in sec. 35, T. 2 S., R. 37 E., 2½ miles northwest of La Grande. Zero of gage is 2,831.25 feet above mean sea level (general adjustment of 1929).

Records available.- February 1918 to June 1923, October 1925 to September 1936. Comparable records at Hilgard, 4 miles upstream, November 1903 to September 1915.

Average discharge.- 22 years (1905-9, 1910-11, 1912-15, 1918-20, 1921-22, 1925-36), 353 second-feet.

Extremes.- Maximum discharge during year, 4,380 second-feet Apr. 13 (gage height, 6.40 feet); minimum, 7 second-feet Aug. 18 (gage height, 1.12).
1903-15, 1918-23, 1925-36: Maximum discharge, 8,880 second-feet Mar. 18, 1932 (gage height, 8.90 feet); minimum, 4 second-feet Sept. 14, 16-20, 1922.

Remarks.- Records good except those for periods of ice effect, Nov. 18-24, Nov. 30 to Dec. 11, Dec. 14 to Jan. 1, Jan. 19 to Mar. 1, which were estimated on basis of two discharge measurements, gage heights, weather records, and records for station at Rondowa and are poor. Some small irrigation diversions above station. Records furnished by State engineer.

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

Oct. 1 to Mar. 1				Mar. 2 to Sept. 30			
1.1	7	2.1	170	1.1	6	3.5	865
1.3	20	2.4	290	1.3	18	4.0	1,240
1.5	40	2.7	435	1.6	51	4.5	1,750
1.7	69	3.0	590	1.9	106	5.0	2,350
1.9	113			2.2	196	5.5	3,010
				2.6	363	6.0	3,750
				3.0	570	6.4	4,380

Discharge, 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	27	19	70		550	219	2,350	296	80	16	9
2	11	20	20	188		763	267	2,050	309	74	16	12
3	11	33	25	233		898	279	1,870	254	69	21	13
4	12	43	31	263		865	275	1,750	234	67	22	17
5	16	44	38	360	44	665	279	1,700	207	64	18	22
6	25	55	42	355		898	405	1,430	211	62	15	25
7	22	64	49	276		805	799	1,200	250	56	13	22
8	19	73	51	250		751	1,160	1,080	250	64	14	18
9	17	83	51	229	33	1,040	1,640	1,000	246	67	11	16
10	17	63	50	221		835	2,230	1,000	215	76	10	14
11	16	89	46	385		727	2,870	1,040	192	78	11	14
12	18	87	38	546		763	3,520	1,040	182	69	12	13
13	19	89	33	370		721	3,520	1,000	182	56	12	14
14	23	81		312		548	3,010	965	189	48	11	16
15	24	67		213		455	2,600	865	175	44	10	18
16	23	56		180		430	2,600	775	182	42	10	19
17	22	44		135		471	2,660	656	161	38	8	18
18	20	32		103		498	2,600	564	172	35	8	17
19	19	20			163	604	2,290	503	155	30	8	17
20	19	28				805	1,870	460	134	28	9	17
21	22	40				1,000	1,700	425	118	25	8	16
22	22	38	35			703	1,810	386	102	25	8	15
23	21	37				569	1,700	354	96	23	8	13
24	18	36				450	1,990	305	100	24	9	12
25	18	31		98		401	2,110	284	192	22	10	12
26	21	30				358	1,810	271	152	21	10	12
27	22	31				358	1,580	267	116	21	12	12
28	23	25				425	1,530	250	104	21	12	12
29	25	26				350	1,530	238	93	19	10	13
30	24	21			-	271	1,870	219	e7	16	10	12
31	24	-			-	301	-	204	-	15	10	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	604	25	11	19.5	1,200
November	1,413	89	20	47.1	2,800
December	1,123	-	-	36.2	2,230
Calendar year 1935	80,705	2,870	7	221	160,100
January	5,963	546	-	192	11,830
February	3,645	-	-	126	7,230
March	19,468	1,040	271	628	38,610
April	52,723	3,520	219	1,757	104,600
May	26,501	2,350	204	855	52,560
June	5,356	309	87	179	10,620
July	1,379	80	15	44.5	2,740
August	362	22	8	11.7	718
September	460	25	9	15.3	912
Water year 1935-36	118,997	3,520	8	325	236,000

Grande Ronde River at Rondowa, Oreg.

Location.- Water-stage recorder, lat. 45°43'50", long. 117°47'10", in NW¼ sec. 23, T. 3 N., R. 40 E., 500 feet below mouth of Wallowa River at Rondowa. Zero of gage is about 2,281 feet above mean sea level by railroad company profile and U. S. Geological Survey river profile.

Drainage area.- 2,555 square miles.

Records available.- October 1926 to September 1936.

Average discharge.- 10 years, 1,890 second-feet.

Extremes.- Maximum discharge during year, 12,800 second-feet Apr. 19 (gage height, 7.03 feet); minimum, 225 second-feet Dec. 19 (gage height, 0.60 foot), owing to ice jams above; minimum daily discharge, 256 second-feet Aug. 31.

1926-36: Maximum discharge, 22,400 second-feet Mar. 18, 1932 (gage height, 9.30 feet); minimum, that of Dec. 19, 1935; minimum daily discharge, 254 second-feet Aug. 17, 1931.

Remarks.- Records good except those for periods of ice effect, Dec. 19-24, Jan. 31 to Feb. 26, which are poor and were computed on basis of one discharge measurement and weather records. Many irrigation diversions above station. Flow regulated by storage in Wallowa and Minam Lakes.

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

0.7	247	1.9	1,080	4.0	4,110
.9	316	2.2	1,390	4.5	5,060
1.1	422	2.6	1,870	5.0	6,140
1.3	560	3.0	2,430	6.0	9,140
1.6	805	3.5	3,230	7.0	12,800

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	316	364	350	410	320	2,140	1,340	7,080	4,670	967	354	259
2	316	364	330	812	340	2,980	1,300	7,220	4,380	886	354	305
3	316	340	326	696	360	3,840	1,310	7,830	3,930	832	376	321
4	326	335	321	979	380	3,840	1,340	8,470	3,660	814	364	330
5	350	359	335	1,460	380	3,320	1,310	8,470	3,480	737	354	350
6	354	416	354	720	370	3,230	1,440	7,370	3,400	688	340	364
7	350	416	387	616	340	3,060	2,210	6,520	3,840	656	335	354
8	354	416	422	560	300	3,140	3,320	6,260	3,570	680	335	345
9	354	481	422	538	340	4,110	4,020	6,520	3,140	696	335	340
10	354	422	416	632	380	3,320	4,960	7,220	2,900	720	326	340
11	364	416	422	1,560	400	2,900	6,140	8,470	2,900	754	326	326
12	393	446	448	1,230	440	2,900	7,990	9,840	2,900	704	321	330
13	435	448	448	1,500	420	2,820	9,140	10,600	3,060	672	308	345
14	429	429	410	1,110	440	2,360	9,490	11,300	2,820	656	297	354
15	416	435	359	931	400	2,070	9,840	11,300	2,580	624	282	370
16	405	448	308	796	420	1,940	10,600	8,800	2,500	584	272	364
17	405	435	301	704	400	2,000	10,900	6,790	2,280	531	269	364
18	405	399	278	656	360	2,070	12,000	5,910	2,140	488	272	354
19	399	364	260	600	380	2,210	12,000	5,800	1,940	475	275	350
20	393	370	270	608	460	2,580	11,300	5,060	1,800	462	272	345
21	405	387	290	704	600	2,980	10,200	4,580	1,740	442	272	340
22	416	376	310	664	800	2,660	10,900	4,020	1,680	422	266	326
23	405	416	320	584	1,000	2,280	10,200	4,110	1,560	410	262	321
24	393	429	330	576	860	2,000	9,840	4,200	1,480	410	262	316
25	399	416	359	538	800	1,800	8,800	4,670	1,620	399	266	301
26	405	410	359	495	780	1,680	8,150	5,060	1,460	387	266	301
27	399	410	387	510	762	1,740	7,680	5,470	1,350	381	262	297
28	405	410	387	517	940	2,000	7,220	5,360	1,230	359	259	289
29	405	399	370	448	1,360	1,870	6,930	5,260	1,150	350	259	305
30	387	370	376	364	-	1,680	6,790	5,060	1,060	350	259	305
31	359	-	435	320	-	1,500	-	4,760	-	354	256	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,812	435	316	381	23,430
November	12,128	481	335	404	24,060
December	11,090	448	260	358	22,000
Calendar year 1935	518,549	7,680	260	1,421	1,029,000
January	22,838	1,560	320	737	45,300
February	15,532	1,360	300	536	30,810
March	79,020	4,110	1,500	2,549	156,700
April	208,660	12,000	1,300	6,955	413,900
May	209,380	11,300	4,020	6,754	415,300
June	76,220	4,870	1,060	2,541	151,200
July	17,880	967	350	577	35,480
August	9,256	376	256	299	18,360
September	9,911	370	259	330	19,660
Water year 1935-36	683,737	12,000	256	1,868	1,356,000

Catherine Creek near Union, Oreg.

Location.- Staff gage, lat. 45°9'20", long. 117°46'50", in SW¼ sec. 2, T. 5 S., R. 40 E., 6 miles southeast of Union.

Drainage area.- 105 square miles.

Records available.- May 1906 to May 1907, August 1911 to December 1912, March to September 1915, February 1918 to August 1919, October 1925 to September 1936.

Average discharge.- 13 years (1911-12, 1918-19, 1925-36), 117 second-feet.

Extremes.- Maximum discharge observed during year, 905 second-feet May 13 (gage height, 3.00 feet); minimum, 16 second-feet Sept. 10, 11, 25-27, 30.
1906-7, 1911-12, 1915, 1918-19, 1925-36: Maximum discharge observed, 1,240 second-feet May 21, 1912, and June 3 or 4, 1933; minimum, 4 second-feet Nov. 26, 27, 1930.

Remarks.- Records fair. Discharge for periods of ice effect, Oct. 30 to Nov. 14, Nov. 18-20, Dec. 1-8, Dec. 13 to Jan 12, Jan. 18-22, Jan. 25 to Mar. 1, computed on basis of three discharge measurements, gage heights, and weather records. A few small diversions for irrigation above station. Records furnished by State engineer.

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

Oct. 1 to Apr. 17						Apr. 17 to Sept. 30					
0.4	16	1.3	167	2.3	580	0.4	11	1.3	151	2.4	571
.7	44	1.6	266			.7	35	1.6	240	2.8	785
1.0	95	1.9	390			1.0	81	2.0	387		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	19	28	30	18	40	54	387	240	54	21	17
2	18	18	23	27	18	52	40	366	224	56	20	21
3	18	19	20	22	17	53	37	452	194	52	19	21
4	20	21	19	24	18	56	40	546	194	47	22	22
5	22	22	19	25	21	74	40	522	179	44	20	20
6	20	23	20	22	22	50	43	430	194	43	22	19
7	19	23	21	20	18	58	58	366	194	42	21	19
8	18	22	22	20	17	73	74	366	194	45	20	18
9	18	21	22	21	21	74	112	408	176	47	19	17
10	18	20	22	26	23	66	162	522	143	45	20	16
11	18	21	27	35	25	64	305	546	143	45	21	16
12	21	21	33	30	26	61	412	648	146	36	19	17
13	22	22	32	25	24	54	458	785	146	35	19	18
14	22	22	25	25	20	50	458	730	130	35	19	22
15	22	22	20	23	18	44	480	730	138	35	19	20
16	20	21	20	22	17	42	555	546	120	33	19	20
17	20	20	20	22	17	43	682	430	109	33	18	20
18	19	19	19	21	20	43	702	408	102	31	19	19
19	19	20	18	20	24	58	702	366	98	30	19	18
20	20	21	17	21	27	66	675	327	89	29	18	18
21	22	22	17	23	32	71	675	308	77	29	18	17
22	22	22	19	22	40	69	702	308	76	28	17	17
23	21	22	21	22	38	62	622	290	76	27	17	18
24	22	22	22	20	30	59	571	290	100	27	17	17
25	27	22	22	19	32	52	475	290	81	28	18	16
26	24	22	23	19	34	43	452	346	76	28	18	16
27	22	22	23	19	35	43	430	346	65	29	17	16
28	22	25	23	18	36	42	430	308	58	24	17	17
29	22	31	24	17	37	40	387	308	60	23	17	17
30	22	30	25	17	-	32	408	290	57	20	17	16
31	20	-	27	18	-	34	-	290	-	19	17	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	639	27	18	20.6	1,270
November	657	31	18	21.9	1,300
December	693	33	17	22.4	1,370
Calendar year 1935	36,993	630	17	101	73,370
January	695	35	17	22.4	1,380
February	725	40	17	25.0	1,440
March	1,668	74	32	53.8	3,310
April	11,241	702	37	375	22,300
May	13,255	785	290	428	26,290
June	3,879	240	57	129	7,690
July	1,099	56	19	35.5	2,180
August	584	22	17	18.8	1,160
September	545	22	16	18.2	1,080
Water year 1935-36	35,680	785	16	97.5	70,770

East Fork of Wallowa River near Joseph, Oreg.

Location.- Staff gage, lat. 45°16'10", long. 117°13'0", in SW¼ sec. 29, T. 3 S., R. 45 E., a quarter of a mile above mouth, 1 mile above Wallowa Lake, and 6 miles south of Joseph.

Drainage area.- 9.6 square miles.

Records available.- July 1924 to September 1936.

Average discharge.- 12 years, 11.6 second-feet.

Extremes.- Maximum discharge observed during year, 71 second-feet June 1 (gage height, 1.70 feet); minimum, 0.1 second-foot Nov. 1, 6.
1924-36: Maximum discharge, 203 second-feet June 26, 1927 (gage height, 2.20 feet); minimum, 0.1 second-foot Dec. 7, 1929, Nov. 1, 6, 1935.

Remarks.- Records good except those below 5 second-feet, which are fair. Practically entire low-water flow diverted 1 mile upstream for power use. Gage-height record furnished by Inland Power & Light Co.

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

0.5	0.1	.8	5.3	1.3	31
.6	.7	.9	8.6	1.5	49
.7	2.5	1.1	17	1.7	71

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.3	0.1	*2.9	2.3	*0.2	*2.2	*0.5	12	71	14	4.7	2.3
2	3.0	*.3	*1.5	1.6	*.3	1.3	*.3	12	47	11	5.9	3.8
3	4.1	*.3	*1.5	2.0	*.4	1.1	*.6	14	39	12	6.6	3.6
4	3.6	*.3	*2.0	2.0	*.4	.7	*.5	14	41	10	4.4	2.5
5	4.1	*.7	2.0	3.0	*.5	1.6	*.6	15	35	9.3	4.7	3.0
6	2.3	*1.0	1.4	1.6	*.5	1.3	.7	14	36	8.2	4.7	4.7
7	2.5	1.8	1.8	2.5	*.6	.7	.5	13	37	8.2	4.7	3.8
8	4.4	2.0	1.6	1.6	*.7	1.6	1.3	12	37	7.9	4.1	3.0
9	2.5	3.0	2.0	1.6	*1.0	1.4	1.1	15	30	8.2	5.0	2.3
10	3.6	3.6	2.0	3.0	.6	1.3	1.6	16	30	9.3	4.4	3.6
11	3.0	2.3	1.4	4.7	.5	.7	3.0	26	30	9.3	3.8	2.8
12	2.5	3.0	1.4	4.1	*.5	.5	6.9	37	30	9.0	4.1	3.3
13	5.0	2.5	2.3	3.0	*.5	.5	6.6	40	33	7.6	3.6	4.7
14	3.6	*3.0	*2.3	3.6	*.5	.5	6.9	43	31	8.6	3.8	3.0
15	3.8	*2.5	*3.0	3.6	*.5	1.3	6.6	35	30	8.2	2.5	3.0
16	3.0	*2.5	*1.4	3.0	*.7	1.3	7.6	33	29	7.9	5.9	3.3
17	3.3	*2.3	*1.2	3.0	*.5	1.0	7.9	36	30	7.6	3.6	3.0
18	3.0	*2.3	*1.6	*2.5	*.5	.5	9.3	35	29	7.6	3.6	2.8
19	3.3	*2.3	*1.6	2.0	.7	.5	12	33	24	7.9	3.0	2.0
20	3.3	*2.5	*1.4	2.0	*.7	1.1	12	28	23	7.6	2.5	4.4
21	3.6	*2.5	*1.2	*1.4	.7	1.1	11	25	24	7.6	2.5	2.0
22	3.0	*2.5	*2.0	.7	1.3	1.3	13	22	21	7.2	2.8	1.3
23	*3.0	2.5	*1.6	1.4	2.5	*.6	14	25	22	7.6	5.3	1.3
24	3.0	3.6	1.8	1.4	2.3	*.6	14	30	22	7.6	3.0	.5
25	2.8	2.5	2.5	*1.4	2.3	*.8	14	33	22	6.9	2.5	.7
26	2.0	2.0	1.6	*1.4	.7	*.8	15	31	21	7.6	3.0	1.6
27	3.6	2.0	1.6	*1.5	2.0	.7	11	33	19	6.2	2.8	.7
28	2.0	2.8	1.8	*1.2	1.4	.6	9.7	34	20	3.0	2.3	1.4
29	2.3	2.5	2.0	*.7	2.5	*.8	10	46	15	3.0	2.5	1.6
30	*2.0	1.8	1.6	*.7	–	*.5	15	49	14	3.8	4.7	1.6
31	*1.0	–	1.6	*.2	–	*.5	–	50	–	4.4	2.5	–

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	95.5	5.0	1.0	3.08	189
November	63.0	3.6	.1	2.10	125
December	55.6	3.0	1.2	1.79	110
Calendar year 1935	2,905.9	42	.1	7.96	5,760
January	64.7	4.7	.2	2.09	128
February	26.5	2.5	.2	.91	53
March	29.4	2.2	.5	.95	58
April	213.2	15	.3	7.11	423
May	861	50	12	27.8	1,710
June	892	71	14	29.7	1,770
July	244.3	14	3.0	7.88	485
August	119.5	6.6	2.3	3.85	237
September	77.6	4.7	.5	2.59	154
Water year 1935-36	2,742.3	71	.1	7.49	5,440

*Stage-discharge relation affected by ice; discharge computed on basis of three discharge measurements, weather records and records of Wallowa Falls power plant tailrace near Joseph.

Wallowa Falls power-plant tailrace near Joseph, Oreg.

Location.- Staff gage, lat. 45°16'10", long. 117°13'10", in SE¼ sec. 29, T. 3 S., R. 45 E., a quarter of a mile above point where channel discharges into West Fork of Wallowa River and 6 miles south of Joseph.

Records available.- August 1924 to September 1936.

Average discharge.- 12 years, 7.30 second-feet.

Extremes.- Maximum discharge during year, 15 second-feet June 30 (gage height, 0.94 foot); no flow at times.
1924-36: Maximum discharge, 17 second-feet Dec. 1, 8, 1930, Jan. 9, 10, 1931; no flow at times.

Remarks.- Records good. Flow regulated by discharge through nozzle for impulse wheel in power house. Water diverted at dam on East Fork of Wallowa River into a conduit 1 mile above power house and discharged into West Fork a quarter of a mile downstream. Gage-height record furnished by Inland Power & Light Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.1	8.3	6.6	7.7	8.3	7.6	7.7	7.7	7.9	9.3	8.1	8.5
2	8.1	8.5	8.5	8.5	7.7	7.9	7.9	7.9	8.7	9.5	7.4	8.5
3	8.3	7.7	8.5	8.3	8.1	7.9	7.6	7.2	8.3	9.1	8.3	8.3
4	8.3	8.7	8.3	8.5	8.1	7.6	7.9	7.9	8.1	7.6	8.3	8.5
5	8.3	8.5	8.5	7.7	8.3	7.7	7.6	8.1	7.8	8.7	8.1	8.3
6	6.3	8.5	8.5	8.5	8.3	7.7	7.9	7.9	8.1	9.5	8.1	7.4
7	8.1	8.5	8.5	8.5	8.1	7.7	7.6	7.9	7.4	9.3	8.1	8.1
8	8.3	8.7	7.1	8.3	7.9	7.4	7.7	7.6	8.1	9.7	8.1	8.5
9	8.1	8.5	8.7	8.3	7.6	7.9	7.7	7.9	8.7	9.7	6.4	8.3
10	8.1	7.4	8.5	8.3	8.1	7.9	7.7	7.2	8.7	9.1	8.1	8.7
11	8.1	8.3	7.8	8.5	7.9	7.9	7.9	7.7	8.3	8.7	8.3	7.9
12	8.3	8.5	8.1	7.7	7.9	7.9	7.4	7.9	8.3	7.7	8.3	8.5
13	7.2	8.5	7.9	8.7	7.9	7.7	7.7	7.9	8.3	9.5	8.1	7.2
14	8.1	8.5	7.7	8.5	7.9	7.9	7.9	7.9	6.8	8.5	7.9	8.5
15	8.3	8.7	6.6	8.5	7.9	7.6	7.7	7.9	8.5	8.3	8.1	8.3
16	7.7	8.3	8.1	8.5	7.7	7.7	7.9	8.3	8.5	8.1	7.6	8.3
17	6.9	7.7	8.3	8.5	7.9	7.7	7.9	7.4	8.7	7.9	8.1	8.1
18	7.9	8.7	7.9	8.5	7.9	7.7	8.1	7.9	6.4	7.9	8.5	8.3
19	8.5	8.7	7.9	7.7	7.7	7.2	6.9	8.3	8.5	7.8	8.1	8.3
20	7.6	8.5	8.1	8.5	7.9	7.7	7.9	8.1	8.3	7.9	8.1	7.2
21	8.3	8.5	8.3	8.3	8.1	7.7	7.9	8.5	7.2	7.9	8.3	8.1
22	8.3	8.5	7.7	8.3	8.1	7.2	7.9	7.9	9.1	8.1	8.5	7.7
23	8.3	8.3	8.3	8.3	7.6	7.9	7.9	7.9	9.1	8.1	7.4	8.1
24	8.3	7.1	8.3	8.3	7.9	7.9	7.7	7.6	8.7	7.7	8.5	7.9
25	8.3	8.7	7.9	8.3	8.3	7.7	7.6	8.3	8.9	7.9	8.5	7.7
26	8.5	8.7	8.5	8.3	8.1	7.7	7.2	8.5	9.1	7.4	8.3	7.9
27	6.8	8.5	8.3	8.1	7.9	7.9	7.9	8.1	9.1	8.1	8.3	7.4
28	8.9	7.9	8.3	8.3	7.9	7.9	8.1	8.3	8.3	7.9	8.3	8.1
29	8.3	8.3	7.7	8.5	7.9	7.2	7.9	8.1	9.1	7.9	8.3	8.1
30	8.3	8.3	8.5	8.1	–	7.7	7.9	7.6	9.7	8.1	7.6	7.9
31	8.3	–	8.5	8.3	–	7.9	–	7.4	–	8.1	8.3	–

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	249.2	8.9	6.3	8.04	494
November	250.5	8.7	7.1	8.35	497
December	250.4	8.7	6.6	8.08	497
Calendar year 1935	2,793.3	8.9	5.8	7.65	5,540
January	257.3	8.7	7.7	8.30	510
February	230.9	8.3	7.6	7.96	458
March	239.0	7.9	7.2	7.71	474
April	232.6	8.1	6.9	7.75	461
May	244.8	8.5	7.2	7.90	486
June	250.7	9.7	6.4	8.36	497
July	260.8	9.7	7.4	8.41	517
August	250.4	8.5	6.4	8.08	497
September	242.6	8.7	7.2	8.09	481
Water year 1935-36	2,959.2	9.7	6.4	8.09	5,870

Hurricane Creek near Joseph, Oreg.

Location.- Water-stage recorder, lat. 45°20', long. 117°18', in NE¼ sec. 3, T. 3 S., R. 44 E., above intake of Moonshine ditch and 3½ miles southwest of Joseph.

Drainage area.- 31 square miles.

Records available.- April to September 1915, April 1924 to September 1936.

Extremes.- Maximum discharge during year, 465 second-feet May 14 (gage height, 2.88 feet); minimum, 7 second-feet Feb. 6 (gage height 0.90 foot), probably caused by ice jam upstream.

1915, 1924-36: Maximum discharge, 716 second-feet May 26, 1928 (gage height, 2.65 feet, former site and datum); minimum, that of Feb. 6, 1936.

Remarks.- Records good. Stage-discharge relation affected by ice Jan. 27, 28, 30, 31. No diversions 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 May 13		May 14 to Sept. 30	
1.0	10	1.2	18
1.1	17	1.3	21
1.2	26	1.4	28
1.3	30	1.5	37
1.4	36	1.7	59
1.6	58	1.9	94
1.8	96	2.1	145
2.0	145	2.3	210
2.2	203	2.5	290
2.4	271	2.7	380
2.7	388		

Discharge, 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	14	*13	*12	10	10	11	103	322	92	34	21
2	21	14	13	*12	10	10	12	115	273	92	34	23
3	21	14	13	*12	10	10	12	132	252	86	33	22
4	22	14	*13	*12	11	10	12	148	237	82	32	22
5	25	15	*13	*12	11	10	11	140	233	80	32	21
6	23	15	*12	12	10	10	11	128	237	76	31	20
7	22	15	*12	12	10	10	12	122	244	74	31	20
8	*22	15	*12	12	10	11	12	140	207	74	30	20
9	*22	15	12	12	11	12	12	176	183	71	30	20
10	*21	15	*12	12	11	12	15	233	190	68	29	20
11	*21	15	*12	12	11	11	22	301	210	65	29	20
12	*21	15	*12	12	11	11	38	336	233	60	29	20
13	*20	15	*12	12	11	11	55	376	244	59	29	20
14	*20	14	*12	12	11	11	60	394	221	59	28	20
15	20	14	*12	12	11	10	68	344	210	58	27	20
16	*20	15	*13	12	10	10	88	244	196	57	26	20
17	*19	14	*13	12	10	10	115	203	179	55	26	20
18	*19	13	*13	12	10	10	142	203	157	53	25	19
19	*19	14	*13	12	10	10	162	203	154	52	25	19
20	*18	14	*13	12	10	10	156	176	157	49	24	19
21	18	14	*13	12	10	11	162	157	167	48	23	19
22	18	14	13	12	10	11	188	154	164	47	22	19
23	17	14	13	11	10	11	173	183	176	46	22	19
24	17	14	*13	10	10	11	162	229	196	46	22	19
25	17	*14	*13	10	10	11	142	236	173	43	22	19
26	17	*14	*13	9	10	11	130	322	151	40	22	19
27	17	*14	*13	*9	10	11	120	326	132	40	22	19
28	17	*14	*13	*9	10	11	110	335	111	39	21	19
29	17	*13	*13	10	10	11	108	340	99	37	21	18
30	15	*13	*12	*10	-	11	113	326	94	36	21	18
31	14	-	*12	*10	-	12	-	277	-	36	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	601	25	14	19.4	0.626	0.72	1,190
November	427	15	13	14.2	.458	.51	847
December	391	13	12	12.6	.406	.47	776
Calendar year 1935	19,636	305	10	53.8	1.74	23.53	38,940
January	352	12	9	11.4	.368	.42	698
February	299	11	10	10.3	.332	.36	593
March	331	12	10	10.7	.345	.40	657
April	2,434	188	11	81.1	2.62	2.92	4,830
May	7,157	394	108	231	7.45	8.59	14,200
June	5,802	322	94	193	6.23	6.95	11,510
July	1,820	92	36	58.7	1.89	2.18	3,610
August	825	34	21	26.5	.855	.99	1,630
September	594	23	18	19.8	.639	.71	1,180
Water year 1935-36	21,031	394	9	57.5	1.85	25.22	41,720

*Interpolated.

Lostine River near Lostine, Oreg.

Location.- Water-stage recorder, lat. 45°26'30", long. 117°26'0", in NW¼ sec. 34, T. 1 S., R. 43 E., 3½ miles south of Lostine and 10 miles above mouth.

Records available.- August 1912 to March 1914, April to September 1915, July 1925 to September 1936 (incomplete prior to 1928).

Extremes.- Maximum discharge during year, 1,770 second-feet May 15 (gage height, 6.52 feet); minimum recorded, 16 second-feet Oct. 31, Nov. 4, 18, Dec. 1, 2, 14-16. 1912-14, 1915, 1925-36: Maximum discharge, 2,540 second-feet May 27, 1913; minimum, 11 second-feet Feb. 14, 1932.

Remarks.- Records good except those for periods of ice effect, Dec. 20-24, Jan. 27 to Feb. 21, Feb. 24, Mar. 29-31, Apr. 6, which are fair and were computed on basis of one discharge measurement, gage heights, weather records, and records for Bear Creek near Wallowa. No large diversions above station. Flow regulated to a small extent by storage in Minam Lake Reservoir. Records furnished by State engineer.

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. 16 to Sept. 30)

0.5	18	2.4	253	4.5	880
.8	34	2.8	350	5.0	1,080
1.2	66	3.2	450	5.5	1,290
1.6	113	3.6	570	6.0	1,530
2.0	174	4.0	695	6.5	1,770

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	22	22	18	22		22	25	425	1,120	186	42	23
2	22	22	18	30		23	24	425	900	182	42	30
3	22	18	18	24		28	24	480	782	177	42	29
4	22	18	18	32		30	24	585	748	156	41	26
5	25	21	19	29		30	24	585	712	150	39	29
6	25	23	20	26		29	25	480	712	142	39	26
7	24	24	21	27		29	37	425	748	133	38	25
8	23	24	22	26		34	40	465	615	132	36	24
9	22	26	22	24		49	41	600	525	124	36	24
10	22	22	24	26	16	35	50	e20	525	120	35	33
11	22	25	24	32		32	76	1,060	585	116	35	37
12	25	25	25	27		33	156	1,290	660	104	36	35
13	28	25	24	26		32	253	1,380	712	99	35	31
14	28	24	19	26		30	293	1,570	630	99	35	29
15	28	26	18	26		30	325	1,480	570	95	33	28
16	26	25	18	25		30	412	960	540	88	31	26
17	26	24	18	24		30	495	695	495	83	30	24
18	26	19	18	24		30	630	630	425	77	30	23
19	25	22	18	25		30	730	660	400	73	29	22
20	26	24	18	24	17	32	730	585	400	70	28	21
21	26	24	18	24	19	34	748	510	400	68	26	20
22	26	23	18	24	28	34	860	495	412	65	26	20
23	24	24	19	24	24	33	782	600	412	63	26	20
24	26	24	21	21	23	33	748	765	425	62	25	20
25	26	24	22	20	22	32	615	940	425	60	26	19
26	26	24	22	20	22	32	525	1,120	350	56	26	19
27	26	24	22	20	20	30	480	1,240	312	53	25	19
28	26	24	22	20	20	32	450	1,240	258	50	24	19
29	26	22	22	19	20	29	412	1,290	216	48	24	19
30	23	20	22	18	–	26	450	1,240	197	46	22	18
31	18	–	22	18	–	24	–	1,080	–	44	22	–

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	762	28	18	24.6	1,510
November	692	26	18	23.1	1,370
December	630	25	18	20.3	1,250
Calendar year 1935	55,007	1,080	18	151	109,100
January	753	32	18	24.3	1,490
February	557	28	-	19.2	1,100
March	957	49	22	30.9	1,900
April	10,484	860	24	349	20,790
May	26,140	1,570	425	843	51,850
June	16,211	1,120	197	540	32,150
July	3,021	186	44	97.5	5,990
August	984	42	22	31.7	1,950
September	738	37	18	24.6	1,460
Water year 1935-36	61,929	1,570	-	169	122,800

Bear Creek near Wallowa, Oreg.

Location.- Water-stage recorder, lat. 45°31'40", long. 117°33'10", in NE¼ sec. 34, T. 1 N., R. 42 E., at bridge 4½ miles southwest of Wallowa.

Records available.- April to September 1915, April 1924 to September 1936. From April 1924 to November 1931, station was 1 mile upstream and above intakes of two irrigation ditches having combined capacity of about 3 second-feet.

Extremes.- Maximum discharge during year, 1,620 second-feet about Apr. 22 (gage height, 3.82 feet, from floodmarks); minimum discharge, 6 second-feet at times in October, December, August, September; minimum gage height, 0.48 foot Dec. 15.
1915, 1924-36: Maximum discharge, that of Apr. 22, 1936; minimum, 4.9 second-feet Nov. 20, 1929.

Remarks.- Records good except those for periods of ice effect (computed on basis of two discharge measurements, gage heights, weather records, and records for Lostine River near Lostine) and those for periods of no gage-height record, Feb. 2-19 (interpolated) and Apr. 12 to May 7 (computed on basis of high-water mark and records for Lostine River near Lostine), which are fair. Small diversions above station. Records furnished by State engineer.

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

0.5	6	2.0	245
.8	19	2.4	425
1.1	61	2.8	675
1.4	91	3.3	1,075
1.7	152	3.8	1,600

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	8	*7	*10	8	28	33	326	553	52	10	7
2	7	7	*7	*60	10	41	26	325	442	46	10	9
3	7	*7	*7	*15		47	25	340	410	45	10	8
4	7	*9	*7	*50		52	25	400	384	41	9	8
5	7	*14	*7	*50		52	24	400	360	39	8	8
6	7	*15	*7	10		54	26	350	360	35	8	7
7	7	*15	*7	8		56	38	325	365	35	8	7
8	7	*14	*7	6		64	61	336	314	37	7	7
9	7	14	*7	8		77	77	415	276	35	7	6
10	7	12	*8	8		65	105	586	276	35	7	6
11	7	12	8	58	10	62	166	731	297	35	7	6
12	8	8	10	17		61		884	314	30	7	6
13	9	8	8	16		53		820	314	26	7	7
14	8	8	8	12		47		852	268	25	7	7
15	8	9	*7	12		40		812	238	23	7	7
16	8	8	*6	11		37		612	217	21	7	7
17	8	8	*6	10		35		464	198	21	7	7
18	7	*7	*6	10		33		430	171	18	7	7
19	8	*8	*6	10		34		436	147	18	7	6
20	8	*8	*6	10	9	38		379	140	16	7	6
21	8	*8	*6	10	12	48	635	327	134	15	7	6
22	8	*8	*6	10	34	52		327	131	15	7	6
23	7	*8	*6	10	24	51		384	125	14	7	6
24	8	8	*6	10	14	47		474	119	14	7	6
25	8	8	*8	*10	12	41		560	111	12	7	6
26	8	8	*10	*10	12	38		633	95	12	7	6
27	8	8	*11	*10	12	40		633	81	12	7	6
28	8	8	*12	*10	12	37		619	72	12	7	6
29	8	*7	12	10	15	35		619	64	11	6	6
30	7	*7	11	10	–	36		592	57	10	6	6
31	8	–	10	10	–	30	–	504	–	10	6	–

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	235	9	7	7.6	466
November	277	15	7	9.2	549
December	240	12	6	7.7	476
Calendar year 1935	29,138	534	6	79.8	57,800
January	503	60	8	16.2	998
February	344	34	8	11.9	682
March	1,431	77	28	46.2	2,840
April	12,671	-	24	422	25,130
May	15,894	884	325	513	31,530
June	7,033	553	57	234	13,950
July	770	52	10	24.8	1,530
August	228	10	6	7.4	452
September	199	9	6	6.6	395
Water year 1935-36	39,825	-	6	109	79,000

*Ice effect.

Asotin Creek near Asotin, Wash.

Location.- Staff gage, lat. 46°20', long. 117°12', in sec. 20, T. 10 N., R. 45 E., half a mile above Washington Water Power Co.'s diversion for water supply and irrigation and 8 miles west of Asotin. Prior to Feb. 15, 1935, datum 30.57 feet lower: all gage heights for this station in Water-Supply Paper 793 refer to datum used prior to Feb. 15, 1935.

Drainage area.- 171 square miles.

Records available.- August 1928 to September 1936. At practically same site March 1904 to November 1906, August 1910 to October 1911.

Extremes.- Maximum discharge observed during year, 372 second-feet Apr. 17-19; minimum, 23 second-feet Aug. 8; a lesser discharge may have occurred during period of ice effect.

1904-6, 1910-11, 1928-36: Maximum discharge observed, 1,180 second-feet Apr. 15, 1904 (gage height, 4.3 feet, former datum); minimum (estimated), 19 second-feet Jan. 18, 21, 22, 1930.

Remarks.- Records fair except those for periods of ice effect, Dec. 17-20, Jan. 29 to Feb. 24, which were computed on basis of gage heights and weather records and are poor. No important diversion or regulation. Gage-height record and results of several discharge measurements furnished by Washington Water Power Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	31	30	31	30	98	50	196	86	41	26	25
2	26	31	30	40	27	102	48	206	82	39	27	37
3	26	30	30	33	26	124	50	206	86	39	27	31
4	27	30	30	50	27	131	51	231	79	39	26	30
5	28	30	31	42	27	112	48	244	73	39	26	30
6	28	31	31	33	27	109	49	206	71	39	26	29
7	27	31	31	33	27	102	56	171	82	38	26	28
8	27	31	30	33	25	131	98	160	79	39	24	27
9	27	32	30	33	25	126	124	160	81	41	24	26
10	28	31	30	33	26	112	144	171	72	38	24	26
11	28	31	32	64	27	98	185	218	68	36	24	26
12	35	31	35	43	27	93	271	244	71	34	25	27
13	33	31	32	46	25	85	328	231	65	33	26	28
14	33	31	30	40	25	79	328	244	64	31	26	28
15	31	30	30	38	24	76	314	231	65	31	26	28
16	30	31	28	38	24	68	328	194	60	30	26	28
17	30	30	27	36	25	69	372	171	58	30	25	27
18	30	30	27	35	25	66	372	149	58	30	26	27
19	29	30	27	34	31	66	357	138	56	28	26	27
20	30	30	27	36	33	74	328	128	53	28	26	26
21	30	30	28	33	35	82	299	113	49	28	26	26
22	30	30	29	33	39	81	314	109	49	28	26	26
23	30	30	30	33	41	74	299	104	47	28	26	26
24	30	30	30	33	46	68	285	99	47	28	24	27
25	30	30	30	33	54	63	258	95	47	28	26	27
26	30	31	35	31	61	60	232	99	46	27	24	27
27	30	30	31	33	71	58	208	102	45	27	24	27
28	31	30	31	33	61	58	208	111	44	26	24	27
29	31	30	31	31	74	56	208	99	43	26	24	27
30	31	30	31	30	–	52	196	95	41	26	24	27
31	31	–	31	30	–	52	–	87	–	26	24	–

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	912	35	25	29.4	1,810
November	914	32	30	30.5	1,810
December	935	35	27	30.2	1,850
Calendar year 1935	18,501	164	25	50.7	36,690
January	1,124	64	30	36.3	2,230
February	1,015	74	24	35.0	2,010
March	2,625	131	52	84.7	5,210
April	6,408	372	48	214	12,710
May	5,012	244	87	162	9,940
June	1,867	86	41	62.2	3,700
July	1,001	41	26	32.3	1,990
August	784	27	24	25.3	1,560
September	828	37	25	27.6	1,640
Water year 1935-36	23,425	372	24	64.0	46,460

Selway River near Lowell, Idaho

Location.- Water-stage recorder, lat. 46°5', long. 115°31', in sec. 25, T. 32 N., R. 7 E., at the O'Hara ranger station, a quarter of a mile above O'Hara Creek and 7 miles above Lowell post office.

Drainage area.- 1,510 square miles.

Records available.- April 1911 to September 1912, October 1929 to September 1936.

Extremes.- Maximum discharge during year, 31,600 second-feet May 15 (gage height, 12.49 feet); minimum, 240 second-feet Dec. 2 (gage height, 2.14 feet).
1930-36: Maximum discharge, 33,800 second-feet June 14, 1933 (gage height, 13.17 feet); minimum, that of Dec. 2, 1935.

Remarks.- Records good except those for period of ice effect, Dec. 3-6, Dec. 17 to Jan. 3, Jan. 30 to Mar. 3, and those for Oct. 1, 2, 4-13, 16-26, Mar. 26 to Apr. 4, May 16, 17, 21-27, May 29 to June 6, Aug. 30, 31, Sept. 2-8, 10, 11, 29, 30, computed on basis of weather records, one discharge measurement, and hydrographic comparison with records for stations in same basin, which are fair. No diversions.

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

2.2	260	5.8	5,070	9.4	17,450
2.8	601	6.4	6,600	10.0	20,080
3.4	1,130	7.0	8,360	10.6	22,790
4.0	1,840	7.6	10,360	11.2	25,550
4.6	2,710	8.2	12,570	11.8	28,320
5.2	3,780	8.8	14,940	12.4	31,140

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	370	379	314	550	400	1,500	900	16,200	16,000	2,110	734	475
2	370	413	284	600	350	2,000	900	16,600	14,000	1,970	710	500
3	369	396	285	700	400	2,200	900	18,300	11,000	1,900	693	570
4	370	401	300	836	500	2,110	900	21,000	9,000	1,830	693	640
5	370	425	350	1,100	500	1,840	908	23,200	8,000	1,720	677	650
6	380	482	450	828	450	1,750	890	19,600	7,500	1,660	654	620
7	380	509	685	710	420	1,720	982	16,200	9,330	1,610	639	560
8	380	522	751	647	380	1,660	1,450	14,900	9,000	1,640	624	520
9	370	609	631	616	400	2,110	1,740	15,800	7,900	1,650	601	489
10	360	551	572	616	500	2,180	2,160	18,300	7,160	1,570	601	470
11	360	482	522	768	550	1,760	4,730	22,300	6,740	1,570	631	455
12	400	489	522	899	550	1,590	8,050	25,600	6,600	1,570	662	456
13	550	516	529	836	520	1,590	11,100	26,500	6,740	1,450	793	469
14	609	496	502	768	480	1,470	13,000	28,300	6,060	1,400	776	551
15	565	456	419	693	450	1,340	14,100	31,100	5,680	1,350	677	631
16	600	469	296	647	450	1,230	15,800	29,000	5,680	1,270	616	616
17	560	516	270	624	450	1,200	17,400	23,000	4,960	1,170	579	587
18	540	456	260	601	500	1,180	20,100	18,800	4,960	1,100	565	558
19	520	379	260	587	550	1,300	22,300	17,400	4,510	1,040	558	543
20	520	333	300	594	600	1,630	21,400	17,000	4,080	1,000	558	522
21	520	396	350	587	630	2,180	21,000	15,000	3,780	964	551	502
22	520	572	400	572	670	2,040	21,400	13,000	3,590	926	529	482
23	500	558	450	558	700	1,740	21,900	12,000	3,400	926	516	475
24	475	558	500	551	700	1,570	22,300	12,500	3,400	982	502	462
25	450	522	600	536	700	1,490	21,000	14,000	3,400	944	502	456
26	450	543	600	401	650	1,400	18,800	16,000	3,130	890	502	456
27	462	558	600	379	700	1,500	16,200	16,500	2,790	854	496	456
28	469	529	600	536	900	1,600	14,900	17,000	2,550	828	489	456
29	502	482	550	425	1,200	1,400	14,500	16,000	2,400	793	475	450
30	450	401	500	350	-	1,200	14,900	15,500	2,250	768	460	450
31	342	-	500	380	-	1,100	-	15,000	-	759	450	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	14,083	609	342	454	0.301	0.35	27,930
November	14,398	609	333	480	.318	.35	28,560
December	14,152	751	260	457	.303	.35	28,070
Calendar year 1935	1,044,628	21,000	260	2,862	1.90	25.71	2,072,000
January	19,495	1,100	350	629	.417	.48	38,670
February	16,250	1,200	350	560	.371	.40	32,230
March	50,580	2,200	1,100	1,632	1.08	1.24	100,300
April	346,610	22,300	890	11,550	7.65	8.54	687,500
May	581,600	31,100	12,000	18,760	12.42	14.32	1,154,000
June	185,590	16,000	2,250	6,186	4.10	4.57	368,100
July	40,214	2,110	759	1,297	.859	.99	79,760
August	18,513	793	450	597	.395	.46	36,720
September	15,527	650	450	518	.343	.38	30,800
Water year 1935-36	1,317,012	31,100	260	3,598	2.38	32.43	2,613,000

Clearwater River at Kamiah, Idaho

Location.- Water-stage recorder, lat. 46°14', long. 116°1', in sec. 1, T. 33 N., R. 3 E., 300 feet upstream from highway bridge at Kamiah and 6 miles below mouth of South Fork of Clearwater River.

Drainage area.- 4,850 square miles.

Records available.- August 1910 to September 1936.

Average discharge.- 26 years, 8,310 second-feet.

Extremes.- Maximum discharge during year, 63,200 second-feet May 15 (gage height, 15.18 feet); minimum, 353 second-feet Dec. 19 (gage height, 2.36 feet).
1910-36: Maximum discharge observed, 81,400 second-feet June 10, 1933 (gage height, 16.53 feet); minimum, 330 second-feet Nov. 22, 1929 (gage height, 1.28 feet).

Remarks.- Records good. Discharge for period of ice effect, Feb. 16, 17, computed on basis of gage heights and weather records. Practically no diversions or regulation above station. Gage-height record furnished by U. S. Weather Bureau.

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

Oct. 1 to May 15

2.4	385	5.0	4,430	9.0	18,610
2.6	560	5.5	5,690	10.0	23,960
2.8	760	6.0	7,100	11.0	30,180
3.0	980	6.5	8,640	12.0	37,240
3.5	1,620	7.0	10,300	13.0	45,000
4.0	2,400	7.5	12,100	14.0	53,000
4.5	3,330	8.0	14,080	15.0	61,500

May 16 to Sept. 30

2.9	825	4.0	2,360
3.1	1,050	4.5	3,310
3.3	1,300	5.0	4,420
3.5	1,570	5.5	5,690
3.7	1,870		

Same as previous table above gage height, 5.5 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	848	782	870	1,260	1,000	4,670	2,400	33,600	29,500	4,540	1,460	902
2	826	859	630	1,300	881	6,660	2,320	35,000	25,100	4,190	1,420	913
3	826	848	506	1,480	1,100	7,700	2,320	37,200	21,200	3,960	1,380	981
4	826	881	515	1,510	1,170	7,550	2,400	43,400	18,100	3,850	1,350	1,200
5	848	992	533	2,070	1,250	5,960	2,400	49,000	15,800	3,740	1,340	1,300
6	859	1,060	590	1,910	1,230	5,560	2,230	41,800	14,900	3,520	1,300	1,240
7	892	1,160	1,320	1,510	1,080	5,170	2,400	32,900	16,200	3,310	1,250	1,170
8	881	1,180	1,520	1,420	690	4,800	3,130	30,200	18,600	3,310	1,240	1,070
9	870	1,350	1,470	1,320	750	6,100	4,200	30,200	16,200	3,310	1,200	1,000
10	848	1,380	1,350	1,300	1,030	6,240	4,800	31,500	14,100	3,420	1,180	958
11	837	1,180	1,270	1,760	1,250	5,040	9,290	43,400	13,300	3,210	1,210	924
12	947	1,150	1,270	2,320	1,300	4,920	15,800	51,400	12,500	3,420	1,260	913
13	1,510	1,210	1,400	2,070	1,220	4,800	21,700	53,000	12,900	3,110	1,340	935
14	1,690	1,180	1,260	1,990	1,090	4,080	26,300	55,600	11,700	2,820	1,500	1,050
15	1,430	1,110	1,110	1,690	992	3,640	28,200	61,500	11,000	2,720	1,390	1,270
16	1,360	1,060	730	1,560	1,000	3,330	30,800	54,700	11,000	2,540	1,260	1,340
17	1,380	1,170	542	1,510	1,000	3,230	35,800	41,000	9,960	2,450	1,150	1,250
18	1,260	1,120	453	1,450	1,060	3,230	42,600	34,300	9,960	2,280	1,100	1,180
19	1,170	947	419	1,400	1,170	3,230	48,200	33,600	9,620	2,190	1,070	1,130
20	1,170	771	533	1,420	1,310	3,750	46,600	32,200	8,480	2,110	1,070	1,110
21	1,160	771	690	1,430	1,360	4,920	44,200	28,200	7,860	2,030	1,070	1,060
22	1,160	1,020	826	1,420	1,380	4,920	45,800	25,100	7,400	1,950	1,060	1,030
23	1,160	1,260	771	1,390	1,580	4,200	45,000	24,000	6,960	1,870	1,030	981
24	1,090	1,300	1,320	1,350	1,590	3,640	47,400	24,000	7,400	1,870	992	958
25	1,040	1,250	1,360	1,320	1,550	3,440	45,000	27,000	7,550	1,950	992	935
26	1,050	1,220	1,440	1,140	1,470	3,230	40,300	29,500	6,960	1,800	1,000	924
27	1,080	1,300	1,490	826	1,540	3,230	34,300	30,800	6,100	1,720	1,000	946
28	1,110	1,280	1,490	1,170	1,990	3,540	30,800	31,500	5,560	1,640	992	946
29	1,250	1,210	1,420	1,020	2,570	3,130	29,500	30,200	5,160	1,570	958	946
30	1,210	1,060	1,250	620	-	2,840	30,200	28,900	4,780	1,540	935	935
31	958	-	1,220	859	-	2,660	-	28,200	-	1,500	902	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	33,546	1,690	826	1,082	0.223	0.26	66,540
November	33,061	1,380	771	1,102	.227	.25	65,580
December	31,568	1,520	419	1,018	.210	.24	62,610
Calendar year 1935	2,142,170	41,300	419	5,869	1.21	16.44	4,249,000
January	44,795	2,320	620	1,445	.298	.34	88,850
February	36,603	2,570	690	1,262	.260	.28	72,600
March	139,410	7,700	2,660	4,497	.927	1.07	276,500
April	726,390	48,200	2,230	24,210	4.99	5.57	1,441,000
May	1,132,900	61,500	24,000	36,550	7.54	8.69	2,247,000
June	365,850	29,500	4,780	12,200	2.52	2.81	725,700
July	83,440	4,540	1,500	2,692	.555	.64	165,500
August	36,401	1,500	902	1,174	.242	.28	72,200
September	31,497	1,340	902	1,050	.216	.24	62,470
Water year 1935-36	2,695,461	61,500	419	7,365	1.52	20.67	5,347,000

Clearwater River at Orofino, Idaho

Location.- Wire-weight gage, lat. 46°29', long. 116°16', in NW¼ sec. 7, T. 36 N., R. 2 E., at highway bridge in Orofino, a quarter of a mile below Orofino Creek.

Drainage area.- 5,580 square miles.

Records available.- October 1930 to September 1936.

Extremes.- Maximum discharge observed during year, 66,800 second-feet May 15 (gage height, 19.56 feet); minimum daily discharge, 500 second-feet Dec. 20 (from hydrographic comparison because of ice effect); minimum gage height observed, 7.17 feet Dec. 4.
1930-38: Maximum discharge observed, 81,500 second-feet June 10, 1933 (gage height, 20.87 feet); minimum daily discharge, that of Dec. 20, 1935; minimum gage height observed, that of Dec. 4, 1935.

Remarks.- Records good except those for period of ice effect, Dec. 15-25, Jan. 25 to Feb. 26, which were computed on basis of hydrographic comparison with records for stations at Kamiah and Spalding and weather records and are fair. No diversions above station. Regulation negligible.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	940	940	1,060	*1,400	1,000	5,220	3,110	29,600	27,700	4,710	1,560	940
2	885	*970	885	1,400	1,100	*6,640	2,710	38,900	27,700	4,220	1,480	940
3	885	1,000	685	1,560	1,000	8,050	2,710	*42,600	21,100	4,220	1,480	1,000
4	885	1,060	640	1,800	1,200	8,970	*2,810	46,200	21,100	*4,060	1,400	1,120
5	885	1,060	*740	1,970	1,300	7,160	2,910	49,600	18,500	*3,910	1,400	1,400
6	940	1,060	*840	2,710	1,350	6,580	2,710	49,600	*17,200	3,750	1,400	1,330
7	940	1,190	940	*2,220	1,300	6,300	3,530	38,200	*15,900	3,530	1,330	1,260
8	940	1,260	1,560	1,720	1,000	5,750	5,220	34,500	14,600	3,530	1,260	1,120
9	940	1,330	1,720	1,560	750	7,160	6,020	33,800	16,500	*3,530	*1,260	1,000
10	940	1,560	1,480	1,480	900	7,750	*7,500	36,700	15,100	3,530	*1,260	1,000
11	940	1,330	1,400	1,480	1,300	6,300	8,970	43,700	13,300	3,320	1,260	940
12	940	*1,330	1,330	2,710	1,400	6,020	18,500	55,000	12,500	3,530	1,330	940
13	1,120	1,330	1,480	2,420	1,350	6,020	25,800	57,800	12,100	3,530	1,330	1,000
14	1,880	*1,260	1,480	2,330	1,250	5,480	32,400	59,700	12,100	3,110	1,480	1,060
15	1,720	1,190	1,300	2,060	1,150	4,710	34,500	63,700	11,000	2,910	1,560	*1,270
16	1,480	1,190	1,000	1,880	1,100	4,460	38,900	62,700	11,000	2,710	1,330	1,480
17	1,480	1,190	700	1,720	1,100	4,220	42,900	47,900	10,300	2,710	1,260	1,330
18	1,400	1,120	600	1,720	1,100	3,980	47,000	38,900	9,610	2,520	1,190	1,260
19	1,260	1,120	550	1,560	1,200	3,980	54,000	36,700	9,940	*2,420	1,120	1,190
20	*1,260	1,000	500	*1,560	1,250	4,460	53,100	34,500	8,350	2,330	1,120	1,120
21	1,260	*970	600	1,560	1,300	5,750	50,500	27,100	8,050	2,150	1,120	1,120
22	1,190	940	700	1,560	1,400	6,020	51,400	*26,400	8,660	2,060	*1,120	1,060
23	1,260	1,400	800	1,560	1,600	4,710	49,600	25,800	7,450	1,970	1,120	1,060
24	1,190	*1,400	1,100	1,480	1,700	4,220	53,100	25,800	7,160	1,970	1,060	1,000
25	1,120	1,400	1,400	1,400	1,700	3,980	51,400	27,100	7,160	2,060	1,060	1,000
26	1,060	*1,400	1,640	1,300	1,600	3,750	46,200	29,600	7,450	*1,970	1,060	1,000
27	*1,130	1,400	1,640	1,000	2,240	4,220	41,300	32,400	*6,600	1,880	1,060	940
28	*1,190	1,260	1,640	950	2,910	4,220	35,200	33,100	5,750	1,800	1,060	1,000
29	1,260	*1,220	1,640	1,200	3,320	3,980	32,400	*32,200	5,220	1,720	1,000	1,000
30	1,330	1,190	1,400	900	-	3,530	33,800	*31,200	4,960	1,640	1,000	1,000
31	1,120	-	1,400	750	-	3,320	-	30,300	-	1,640	940	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	35,770	1,980	885	1,154	0.207	0.24	70,950
November	36,070	1,560	940	1,202	.215	.24	71,540
December	34,850	1,720	500	1,124	.201	.23	69,120
Calendar year 1935	2,267,592	42,900	500	6,213	1.11	15.11	4,498,000
January	50,920	2,710	750	1,643	.294	.34	101,000
February	40,870	3,320	750	1,409	.253	.27	81,060
March	166,910	8,970	3,320	5,384	.965	1.11	331,100
April	840,200	54,000	2,710	28,010	5.02	5.60	1,667,000
May	1,221,300	63,700	25,800	39,400	7.06	8.14	2,422,000
June	374,060	27,700	4,960	12,470	2.23	2.49	741,900
July	88,940	4,710	1,640	2,869	.514	.59	176,400
August	38,410	1,560	940	1,239	.222	.26	76,190
September	32,880	1,480	940	1,096	.196	.22	65,220
Water year 1935-36	2,961,180	63,700	500	8,091	1.45	19.73	5,873,000

*Interpolated.

Clearwater River at Spalding, Idaho

Location.- Water-stage recorder, lat. 46°25', long. 116°51', in lot. 22, sec. 22, T. 36 N., R. 4 W., a quarter of a mile below mouth of Lapwai Creek and three-eighths of a mile northwest of Spalding post office.

Drainage area.- 9,570 square miles.

Records available.- March 1926 to September 1936.

Average discharge.- 10 years, 15,270 second-feet.

Extremes.- Maximum discharge during year, 107,000 second-feet May 15 (gage height, 17.79 feet); minimum, 936 second-feet Dec. 20 (gage height, 1.52 feet).

1926-36: Maximum discharge, 172,000 second-feet Dec. 23, 1933 (gage height, 23.19 feet); minimum, 850 second-feet Nov. 24, 1929 (gage height, 1.39 feet).

Maximum stage known, 25.6 feet Jan. 5, 1928 (former site and datum, 2,300 feet upstream), during severe ice jam.

Remarks.- Records excellent except those for periods of ice effect, Dec. 19 and Feb. 8-29, which are fair and were computed on basis of weather records, gage heights, and hydrographic comparison with records for station at Kamiah. No diversions or regulation above station. Record for Oct. 22-25 based on staff gage at Spalding highway bridge 2,300 feet upstream.

Rating table, water year 1935-36 except periods of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 13 to July 20)

1.5	920	5.5	9,360	9.5	29,500	13.5	61,650
2.3	1,750	6.3	12,400	10.3	35,210	14.3	69,390
3.1	3,110	7.1	15,880	11.1	41,250	15.1	77,510
3.9	4,820	7.9	19,820	11.9	47,610	16.0	87,030
4.7	6,840	8.7	24,340	12.7	54,390	17.5	103,580

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,740	1,670	2,120	2,730	2,120	10,400	6,170	62,600	44,400	8,020	2,920	1,880
2	1,740	1,510	1,780	2,920	2,370	14,500	5,660	66,400	42,000	7,710	2,820	1,880
3	1,740	1,680	1,470	3,110	2,200	17,800	5,660	68,400	36,000	7,260	2,820	1,890
4	1,740	1,700	1,300	3,820	2,550	19,300	5,780	77,500	31,600	6,980	2,730	2,120
5	1,740	1,830	1,220	5,050	2,640	16,400	5,660	87,000	27,500	6,840	2,730	2,460
6	1,750	2,010	1,200	5,410	2,730	14,500	5,780	81,700	25,600	6,440	2,640	2,550
7	1,760	2,200	1,410	4,040	2,730	13,600	6,440	63,500	25,600	6,300	2,640	2,460
8	1,810	2,280	2,730	3,310	2,300	12,800	9,010	55,300	33,000	6,170	2,550	2,280
9	1,780	2,370	3,110	3,110	1,900	18,300	12,400	53,500	30,200	6,300	2,460	2,120
10	1,760	2,730	3,020	3,020	2,000	17,800	14,500	59,800	25,000	6,300	2,460	2,000
11	1,750	2,550	2,920	3,820	2,400	14,100	21,400	72,400	22,600	6,040	2,460	1,920
12	1,830	2,280	2,920	5,910	2,800	13,200	36,000	87,000	21,400	6,040	2,460	1,890
13	2,200	2,280	3,410	7,120	2,800	13,600	50,100	90,300	20,900	5,910	2,550	1,900
14	3,720	2,370	3,210	6,440	2,600	11,200	58,000	93,600	20,400	5,410	2,640	2,010
15	3,720	2,280	2,730	5,410	2,400	9,720	62,600	101,000	18,800	5,170	2,730	2,280
16	2,920	2,200	2,200	4,590	2,200	8,670	67,400	100,000	18,800	4,940	2,550	2,730
17	2,730	2,120	1,460	4,040	2,200	9,360	76,500	79,600	17,300	4,700	2,370	2,640
18	2,730	2,280	1,200	3,720	2,200	9,010	88,100	64,500	16,400	4,480	2,280	2,460
19	2,550	2,120	1,100	3,410	2,400	9,360	98,000	58,900	16,400	4,260	2,200	2,370
20	2,460	1,780	1,000	3,310	2,700	10,400	94,700	55,300	14,500	4,150	2,120	2,200
21	2,550	1,650	1,140	3,310	2,800	12,800	88,100	50,100	13,600	3,930	2,200	2,120
22	2,350	1,830	1,430	3,110	2,900	12,400	91,400	44,400	12,800	3,820	2,200	2,040
23	2,300	2,280	1,460	3,110	3,000	10,400	91,400	41,200	12,000	3,720	2,120	2,000
24	2,270	2,550	1,720	3,020	3,300	9,010	92,500	41,200	11,600	3,620	2,120	1,960
25	2,120	2,640	3,020	2,920	3,300	8,340	89,200	42,800	12,000	3,620	2,040	1,900
26	2,040	2,550	3,210	2,730	3,200	7,560	80,600	46,800	12,000	3,620	2,120	1,890
27	2,120	2,640	3,020	2,120	3,200	7,560	69,400	49,300	10,400	3,410	2,120	1,890
28	2,040	2,640	3,310	1,940	5,000	10,100	61,600	50,100	9,720	3,310	2,120	1,940
29	2,120	2,640	3,110	2,370	7,000	9,010	58,000	48,400	8,670	3,210	2,040	1,940
30	2,370	2,370	2,820	2,040	-	7,710	58,900	46,800	8,340	3,110	2,010	1,920
31	2,120	-	2,730	1,830	-	6,840	-	45,200	-	3,020	1,940	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	68,570	3,720	1,740	2,212	0.231	0.27	136,000
November	66,030	2,730	1,510	2,201	.230	.26	131,000
December	68,480	3,410	1,000	2,209	.231	.27	135,800
Calendar year 1935	4,158,150	69,400	1,000	11,390	1.19	16.17	8,248,000
January	112,790	7,120	1,830	3,638	.380	.44	223,700
February	81,940	7,000	1,900	2,826	.295	.32	162,500
March	365,750	19,300	6,840	11,800	1.23	1.42	725,500
April	1,510,960	98,000	5,660	50,370	5.26	5.87	2,997,000
May	1,984,600	101,000	41,200	64,020	6.69	7.71	3,936,000
June	619,530	44,400	8,340	20,650	2.16	2.41	1,229,000
July	157,810	8,020	3,020	5,091	.532	.61	313,000
August	74,160	2,920	1,940	2,392	.250	.29	147,100
September	63,640	2,730	1,880	2,121	.222	.25	126,200
Water year 1935-36	5,174,260	101,000	1,000	14,140	1.48	20.12	10,260,000

Lochsa River near Lowell, Idaho

Location.- Water-stage recorder, lat. 46°9', long. 115°35', in SW¼SE¼ sec. 33, T. 33 N., R. 7 E., three-quarters of a mile by river northeast of Lowell post office, seven-eighths of a mile above mouth, and 1¼ miles below Pete King Creek.

Drainage area.- 1,180 square miles.

Records available.- October 1929 to September 1936. November 1910 to August 1912, gage-height records at approximately the same site.

Extremes.- Maximum daily discharge during year, 21,000 second-feet May 15; minimum, 190 second-feet Dec. 18, 19; minimum gage height recorded, 1.09 feet Dec. 2.
1929-36: Maximum discharge, 34,800 second-feet June 10, 1933 (gage height, 13.44 feet); minimum, 147 second-feet Nov. 21, 1929.

Remarks.- Records good except those for periods of ice effect, Dec. 5-7, Dec. 16 to Jan. 3, Jan. 30 to Mar. 2, and those for May 5, 7-9, 11-18, computed on basis of one discharge measurement, weather records, and hydrographic comparison with records for stations in same basin, which are fair. No diversions.

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

1.1	211	4.7	4,710
1.4	301	5.3	6,030
1.7	550	5.9	7,490
2.0	790	6.5	9,040
2.3	1,075	7.1	10,680
2.6	1,400	7.7	12,410
2.9	1,770	8.3	14,260
3.2	2,170	8.9	16,230
3.5	2,600	9.5	18,320
4.1	3,570	10.3	21,290

Discharge, 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	263	282	450	300	1,100	730	12,100	11,000	1,500	501	306
2	277	253	245	500	270	1,300	730	13,000	8,510	1,410	487	312
3	272	312	245	550	320	1,420	714	13,900	7,240	1,360	474	361
4	277	312	258	602	380	1,380	714	15,600	6,270	1,300	474	467
5	287	323	280	937	380	1,250	689	17,000	5,350	1,250	460	454
6	291	350	350	681	350	1,220	673	13,900	5,020	1,190	441	454
7	301	373	450	610	300	1,160	714	12,000	5,570	1,160	428	403
8	296	391	522	448	270	1,120	1,150	11,000	6,990	1,160	415	367
9	291	460	448	397	300	1,900	1,390	11,500	5,920	1,170	409	344
10	282	397	415	415	380	1,680	1,870	12,400	5,020	1,150	415	333
11	287	361	391	673	400	1,330	3,660	14,000	4,610	1,140	422	323
12	339	367	454	764	400	1,260	5,680	17,000	4,410	1,100	428	323
13	565	379	460	730	380	1,260	7,490	18,000	4,410	1,020	441	339
14	610	361	397	649	350	1,130	8,770	19,000	4,020	966	474	403
15	467	339	333	550	320	1,020	9,580	21,000	3,840	918	441	467
16	494	367	230	487	320	908	10,700	19,000	3,660	871	403	454
17	460	367	210	480	320	908	12,400	16,000	3,320	826	385	422
18	403	328	190	448	350	899	14,600	13,000	3,400	782	367	397
19	385	291	190	441	400	966	15,900	12,400	3,150	739	367	385
20	409	291	220	448	450	1,190	15,200	11,500	2,830	714	361	373
21	391	328	250	434	470	1,540	15,200	10,100	2,600	689	379	355
22	403	397	300	434	500	1,380	15,600	9,310	2,450	665	367	344
23	385	397	350	422	520	1,210	15,200	9,040	2,380	641	355	333
24	361	409	400	422	520	1,080	15,200	9,310	2,520	633	344	323
25	344	403	500	397	520	1,020	14,900	9,850	2,450	618	350	323
26	350	415	500	317	470	966	13,600	10,700	2,170	595	350	328
27	355	428	500	333	520	1,020	12,100	11,200	1,960	580	350	339
28	367	428	500	385	700	1,150	11,200	11,500	1,780	565	339	333
29	428	385	450	291	850	985	11,000	10,700	1,680	543	328	328
30	344	333	400	250	-	880	11,500	10,400	1,590	529	317	323
31	267	-	400	280	-	826	-	10,100	-	515	312	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	11,265	610	267	363	0.308	0.36	22,340
November	10,808	460	253	360	.305	.34	21,440
December	11,120	522	190	359	.304	.35	22,060
Calendar year 1935	780,216	14,900	190	2,138	1.81	24.60	1,548,000
January	15,225	937	250	491	.416	.48	30,200
February	12,010	850	270	414	.351	.38	23,820
March	36,458	1,900	826	1,176	.997	1.15	72,310
April	248,854	15,900	673	8,295	7.03	7.84	493,600
May	405,510	21,000	9,040	13,080	11.08	12.78	804,300
June	126,120	11,000	1,590	4,204	3.56	3.97	250,200
July	28,299	1,500	515	913	.774	.89	56,130
August	12,384	501	312	399	.338	.39	24,560
September	11,016	467	306	367	.311	.35	21,850
Water year 1935-36	929,069	21,000	190	2,538	2.15	29.28	1,843,000

South Fork of Clearwater River near Grangeville, Idaho

Location.- Staff gage, lat. 45°55', long. 116°1', in SE¼NW¼ sec. 30, T. 30 N., R. 4 E., below power house of Washington Water Power Co. and 6 miles southeast of Grangeville.

Drainage area.- 865 square miles.

Records available.- November 1910 to September 1916, April 1923 to September 1936.

Average discharge.- 17 years (1912-16, 1923-36), 833 second-feet.

Extremes.- Maximum discharge observed during year, 6,810 second-feet Apr. 24 (gage height, 9.00 feet); minimum, 66 second-feet Dec. 2, 3, 22, and 23 (gage height, 2.40 feet).

1910-16, 1923-36: Maximum discharge, 9,830 second-feet May 30, 1912 (gage height, 9.7 feet); practically no flow for indeterminate periods, Aug. 24, 26, 1935.

Remarks.- Records good. Diurnal fluctuations caused by operation of power plant just above station. No diversions 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	88	91	88	144	113	240	208	4,140	2,270	496	154	88
2	86	100	74	146	132	314	208	3,550	1,750	447	149	96
3	90	100	95	142	146	356	192	4,140	2,050	423	139	93
4	72	100	98	146	164	356	208	4,440	1,750	423	142	130
5	80	130	96	154	167	356	192	4,920	1,570	400	139	126
6	96	142	98	135	156	334	192	4,440	1,400	377	137	115
7	96	154	146	142	126	356	223	3,410	1,660	356	135	108
8	98	154	164	142	149	334	257	3,270	1,570	356	124	98
9	95	178	162	139	135	423	314	3,270	1,480	356	126	91
10	93	164	156	142	156	400	400	3,550	1,310	377	130	91
11	93	159	142	164	170	400	745	3,840	1,230	400	137	86
12	149	149	130	167	159	377	1,310	4,140	1,150	447	142	90
13	294	154	142	167	146	377	2,380	4,140	1,230	356	156	100
14	208	135	142	167	137	334	2,870	3,990	1,080	334	160	124
15	159	121	108	164	137	314	3,130	5,080	1,000	294	146	159
16	162	142	96	156	149	276	3,410	4,440	1,080	294	130	149
17	144	152	88	154	152	276	4,440	3,410	935	276	117	139
18	142	117	88	146	164	276	4,760	3,000	1,000	257	111	130
19	132	86	75	146	175	276	5,080	2,870	870	257	108	126
20	139	74	76	152	178	314	4,760	2,740	775	208	109	117
21	135	95	72	146	184	423	4,760	2,500	745	208	108	108
22	128	126	68	152	189	377	4,920	2,160	685	208	106	108
23	130	167	66	146	208	356	5,750	2,050	630	208	106	102
24	126	189	146	149	178	294	6,090	2,050	805	257	98	96
25	126	154	154	130	178	314	5,080	2,050	1,000	240	98	95
26	126	152	159	100	170	276	4,290	2,050	775	208	100	93
27	137	149	154	119	175	257	3,840	2,050	658	208	96	95
28	130	152	135	164	184	257	3,270	2,160	575	223	90	95
29	164	128	128	132	192	240	3,270	2,050	548	175	90	98
30	144	109	142	96	-	167	3,130	1,850	522	167	80	96
31	95	-	154	146	-	223	-	1,660	-	162	88	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	3,957	294	72	128	0.148	0.17	7,849
November	4,023	189	74	134	.155	.17	7,980
December	3,642	164	66	117	.135	.16	7,224
Calendar year 1935	186,473	3,000	60	511	.591	8.01	369,800
January	4,495	167	96	145	.168	.19	8,916
February	4,669	208	113	161	.186	.20	9,261
March	9,873	425	167	318	.368	.42	19,580
April	79,679	6,090	192	2,656	3.07	3.42	158,000
May	99.410	5,080	1,660	3,207	3.71	4.28	197,200
June	34 103	2,270	522	1,137	1.31	1.46	67,640
July	9,398	496	162	303	.350	.40	18,640
August	3,751	160	80	121	.140	.16	7,440
September	3,242	159	86	108	.125	.14	6,430
Water year 1935-36	260,242	6,090	66	711	.822	11.17	516,200

North Fork of Clearwater River near Ahsahka, Idaho

Location.- Water-stage recorder, lat. 46°31', long. 116°18', in SE¼ sec. 26, T. 37 N., R. 1 E., at Bruce's Eddy, 1½ miles northeast of Ahsahka and 2 miles above mouth.

Drainage area.- 2,440 square miles.

Records available.- August 1926 to September 1936.

Average discharge.- 10 years, 585 second-feet.

Extremes.- Maximum discharge during year, 40,000 second-feet Apr. 19 (gage height, 20.89 feet); minimum daily discharge, 425 second-feet Dec. 20; minimum gage height observed, 1.54 feet Dec. 6.

1926-36: Maximum discharge, about 100,000 second-feet Dec. 23, 1933 (gage height, 35.5 feet, from flood marks); minimum daily discharge, that of Dec. 20, 1935.

Remarks.- Records good except those for periods of ice effect or no gage-height record, Oct. 28, 29, Nov. 3-7, 9-14, 16-21, 25-28, 30, Dec. 1-5, 7-12, 14-22, 25, Jan. 24 to Mar. 2, July 17-20, Sept. 5-10, which were computed on basis of weather records, one discharge measurement, and hydrographic comparison with records for stations in the same basin and are fair. No diversions or regulation 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. 2		Mar. 3 to Sept. 30		
1.5	510	2.3	855	7.0	5,780
1.9	660	2.7	1,085	8.0	7,210
2.3	865	3.1	1,350	10.0	10,450
2.7	1,130	3.5	1,650	12.0	14,180
3.1	1,420	4.0	2,080	14.0	18,770
3.5	1,750	4.5	2,590	16.0	24,160
4.0	2,220	5.0	3,160	18.0	30,220
4.8	3,070	6.0	4,430	20.1	37,200

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	865	640	900	1,240	800	3,000	2,040	25,300	13,400	3,280	1,350	910
2	865	682	650	1,240	900	4,000	1,900	26,200	12,200	3,160	1,320	910
3	865	680	600	1,540	800	4,300	1,990	27,100	11,400	2,980	1,320	938
4	835	720	575	1,580	1,100	4,820	1,940	30,200	10,100	2,920	1,320	1,060
5	665	800	550	2,020	1,100	4,560	1,860	32,200	8,930	2,860	1,280	1,300
6	865	900	528	1,980	1,100	4,170	1,860	27,700	8,290	2,700	1,250	1,200
7	865	1,000	800	1,460	900	3,780	1,860	21,600	9,430	2,640	1,220	1,100
8	865	1,100	1,300	1,340	700	3,520	2,280	19,500	12,400	2,700	1,180	1,000
9	865	1,150	1,600	1,340	650	5,220	3,780	19,600	10,300	2,760	1,150	960
10	835	1,200	1,600	1,240	700	5,920	4,820	22,800	8,930	2,790	1,150	940
11	865	1,100	1,550	1,660	1,000	4,560	8,450	27,700	8,290	2,540	1,180	910
12	925	1,000	1,650	2,680	1,200	3,780	15,000	31,500	7,970	2,540	1,220	910
13	1,300	1,000	1,750	3,070	1,200	3,780	20,600	31,500	7,510	2,380	1,180	910
14	1,750	1,050	1,500	2,650	1,000	3,400	22,200	32,200	7,060	2,230	1,150	1,180
15	1,460	1,020	1,200	2,270	900	3,100	23,600	34,800	6,760	2,130	1,120	1,420
16	1,200	950	800	1,880	900	2,760	26,200	33,100	6,910	2,040	1,080	1,250
17	1,130	1,000	600	1,660	900	2,640	30,200	26,800	6,340	1,980	1,060	1,150
18	1,060	900	500	1,500	950	2,640	34,500	22,500	6,200	1,910	1,020	1,080
19	990	800	450	1,420	1,000	2,640	37,200	21,100	5,920	1,850	995	1,020
20	1,060	650	425	1,380	1,100	2,980	34,500	18,800	5,360	1,800	1,020	1,020
21	1,100	650	500	1,300	1,200	3,910	32,800	16,800	5,080	1,730	1,060	995
22	1,100	1,060	600	1,300	1,300	4,040	34,800	15,500	4,820	1,730	1,020	965
23	1,060	1,100	682	1,270	1,350	3,400	33,500	14,600	4,560	1,690	995	965
24	1,020	1,150	990	1,250	1,400	2,980	32,500	14,400	4,560	1,650	1,060	938
25	990	1,200	1,300	1,200	1,400	2,700	31,800	15,000	4,560	1,650	1,020	910
26	990	1,150	1,240	1,100	1,400	2,590	29,900	15,500	4,300	1,570	1,080	938
27	990	1,200	1,300	1,000	1,400	2,860	29,000	16,100	3,910	1,530	1,060	910
28	1,050	1,200	1,380	900	1,500	3,650	23,600	16,100	3,650	1,490	1,020	910
29	1,100	1,200	1,270	1,100	2,000	3,160	23,000	15,500	3,520	1,490	995	882
30	990	1,050	1,200	800	-	2,640	23,600	14,800	3,400	1,420	965	882
31	780	-	1,200	600	-	2,380	-	14,200	-	1,420	938	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	31,500	1,750	780	1,016	0.416	0.48	62,480
November	29,302	1,200	640	977	.400	.45	58,120
December	31,190	1,750	425	1,006	.412	.48	61,860
Calendar year 1935	1,670,957	26,700	425	4,578	1.88	25.47	3,314,000
January	47,170	3,070	600	1,522	.624	.72	93,560
February	31,850	2,000	650	1,098	.450	.49	63,170
March	109,880	5,920	2,380	3,545	1.45	1.67	217,900
April	571,280	37,200	1,860	19,040	7.80	8.70	1,133,000
May	700,900	34,800	14,200	22,610	9.27	10.69	1,390,000
June	216,060	13,400	3,400	7,202	2.95	3.29	428,500
July	67,470	3,280	1,420	2,176	.892	1.03	133,800
August	34,778	1,350	938	1,122	.460	.53	68,980
September	30,463	1,420	862	1,015	.416	.46	60,420
Water year 1935-36	1,901,843	37,200	425	5,196	2.13	28.99	3,772,000

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South Fork of Palouse River above Paradise Creek, near Pullman, Wash.

Location.- Water-stage recorder, lat. 46°42'20", long. 117°9'55", in SE¼ sec. 8, T. 14 N., R. 45 E., 1 mile above Paradise Creek and 2 miles southeast of Pullman.

Records available.- May 1934 to September 1936.

Extremes.- Maximum discharge during year, 517 second-feet Feb. 28 (gage height, 6.25 feet); no flow July 25 to Sept. 6, Sept. 8, 9.
1934-36: Maximum and minimum discharges as recorded above.

Remarks.- Records excellent except those for period of ice effect, Jan. 29 to Feb. 28, computed on basis of eight discharge measurements, gage heights, and weather records, which are poor. Artificial control consisting of a modified Parshall flume and low ogee-type dam used except for periods Oct. 1 to Dec. 26, June 19 to Sept. 39, when a 2-foot or 6-inch Cippoletti weir was inserted in the flume and discharge was determined from weir formulas. 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	0.10	0.60	0.89	10	3.9	265	22	28	1.8	0.29		0
2	.10	.56	.89	44	3.6	253	29	17	2.2	.32		0
3	.12	.60	.89	23	3.3	299	36	23	2.8	.26		0
4	.10	.60	.89	52	2.9	199	38	17	3.0	.19		0
5	.14	.64	.89	132	3.3	124	23	21	2.5	.19		0
6	.18	.74	.89	14	3.1	102	21	20	2.1	.16		0
7	.30	.79	1.0	10	3.1	89	23	15	2.6	.16		.01
8	.29	.94	1.2	7.5	2.9	107	25	13	4.7	.19		0
9	.32	.94	1.2	10	2.8	173	26	12	3.7	.23		0
10	.29	.79	1.2	39	2.8	85	28	10	2.5	.29		.01
11	.30	.84	1.2	98	2.8	61	35	9.0	2.1	.43		.01
12	.34	.99	2.6	72	2.8	65	41	8.2	1.9	.39		.01
13	.40	.89	2.2	143	2.7	79	43	7.6	1.9	.26		.02
14	.44	.79	2.2	43	2.7	61	40	7.2	1.6	.16		.06
15	.48	.84	1.6	31	2.6	67	37	7.2	1.8	.18		.04
16	.43	.99	1.3	20	2.6	53	34	6.8	1.9	.28		.04
17	.43	.89	1.1	16	2.6	53	34	6.3	1.6	.42		.03
18	.40	.79	.94	11	2.6	42	33	5.4	1.4	.18		.02
19	.42	.89	.89	11	2.6	38	28	4.4	1.3	.05		.02
20	.64	.94	.89	17	3.9	38	24	4.4	1.1	.03		.02
21	.64	.84	.84	19	5.7	39	21	4.1	.99	.02		.02
22	.60	.84	.84	17	8.2	28	20	4.0	.84	.02		.02
23	.60	.99	.79	16	14	27	21	3.7	.64	.01		.01
24	.60	1.1	.89	14	17	24	21	3.4	.64	.01		.01
25	.69	.94	1.1	9.9	21	23	22	3.0	.60	0		.01
26	.60	.79	1.9	7.4	22	20	18	2.6	.51	0		.01
27	.56	.79	3.7	5.8	122	63	17	2.4	.47	0		.02
28	.51	.79	6.9	5.0	365	65	16	2.3	.32	0		.04
29	.51	.74	4.5	4.7	295	49	15	2.2	.29	0		.04
30	.56	.79	3.1	4.4	-	42	14	2.0	.23	0		.02
31	.51	-	13	4.2	-	31	-	1.8	-	0		-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	12.60	0.69	0.10	0.406	0.0050	0.006	25
November	24.66	1.1	.56	.822	.010	.01	49
December	62.42	13	.79	2.01	.025	.03	124
Calendar year 1935	7,281.38	292	.01	19.9	.245	3.34	14,400
January	910.9	143	4.2	29.4	.363	.42	1,810
February	929.5	365	2.6	32.1	.396	.43	1,840
March	2,664	299	20	85.9	1.06	1.22	5,280
April	805	43	14	26.8	.330	.37	1,600
May	274.0	28	1.8	8.84	.109	.13	543
June	50.03	4.7	.23	1.67	.021	.02	99
July	4.72	.43	0	.152	.0019	.002	9.4
August	0	0	0	0	0	0	0
September	.49	.06	0	.016	.0002	.0002	.97
Water year 1935-36	5,738.32	365	0	15.7	.194	2.64	11,380

South Fork of Palouse River at Pullman, Wash.

Location.- Water-stage recorder, lat. 46°43'50", long. 117°11'0", in NE¼ sec. 6, T. 14 N., R. 45 E., 600 feet above Missouri Flat Creek at State Street crossing, Pullman.

Drainage area.- 132 square miles.

Records available.- February 1934 to September 1936.

Extremes.- Maximum discharge during year, 830 second-feet Feb. 28 (gage height, 3.58 feet); minimum, 0.22 second-foot Aug. 25.
1934-36: Maximum discharge, 940 second-feet Jan. 24, 1935 (gage height, 3.87 feet); minimum, that of Aug. 25, 1936.

Remarks.- Records excellent except those for period of ice effect, Jan. 29 to Feb. 22, computed on basis of five discharge measurements, gage heights, and weather records, which are fair. Artificial control consisting of a low ogee-type dam and 6-foot sharp-crested Cippoletti weir used except for periods Oct. 1-14, July 6 to Sept. 2, when 2-foot sharp-crested Cippoletti weir was used and discharge was computed from weir formulas. No important diversions. Slight regulation caused by Moscow sewage-disposal plant on Paradise 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	0.89	1.6	2.0	21	6.4	432	32	31	3.6	1.4	0.56	1.0
2	.89	1.5	1.8	82	6.4	412	45	21	4.5	1.1	.51	1.5
3	.89	1.6	2.0	38	6.4	586	59	32	5.2	1.2	.51	2.1
4	.98	1.5	2.0	91	6.4	366	63	22	5.6	1.1	.51	2.5
5	1.0	1.8	2.0	193	6.4	204	40	30	4.8	1.0	.47	1.1
6	1.3	2.0	1.8	27	6.8	161	34	28	4.3	.90	.50	1.0
7	.99	2.0	3.0	18	6.6	138	33	18	5.5	1.1	.51	.68
8	1.0	2.2	3.0	14	6.4	178	33	16	7.2	1.2	.39	1.0
9	1.0	2.2	2.7	21	6.6	249	34	15	6.7	1.2	.69	1.0
10	1.1	1.8	2.7	68	7.4	124	36	13	4.8	1.3	.51	.79
11	1.3	1.8	3.0	158	7.8	94	42	12	4.1	1.3	.47	1.0
12	1.5	2.4	6.2	140	8.0	106	49	11	3.9	1.2	.58	1.0
13	1.8	2.2	4.9	238	7.6	122	51	11	3.7	1.0	.51	1.0
14	1.4	2.0	3.5	70	7.2	89	47	10	3.8	.94	.56	1.0
15	1.4	2.2	2.7	52	6.6	108	43	11	3.9	1.2	.51	1.0
16	1.5	2.4	2.1	35	6.2	87	42	9.9	4.8	1.3	.51	.90
17	1.4	2.1	2.2	26	6.0	80	41	9.3	3.6	.99	.60	1.1
18	1.5	1.8	2.0	18	7.4	61	39	8.2	2.9	.64	.43	1.0
19	1.5	2.0	2.0	18	9.1	55	35	7.0	2.5	.60	.56	1.1
20	1.6	2.1	2.0	28	11	55	32	6.6	2.4	.73	.56	1.0
21	1.7	2.0	1.8	32	12	55	27	6.6	2.1	.39	.58	.90
22	1.8	2.1	1.6	29	14	42	26	6.4	1.8	.82	.51	1.1
23	1.8	2.7	1.7	27	22	41	28	5.8	1.8	.69	.63	1.1
24	1.7	2.8	1.8	25	25	39	26	5.4	1.7	.56	.47	1.0
25	1.7	2.4	2.8	17	25	37	28	5.0	1.8	.47	.47	1.1
26	1.6	2.2	4.6	11	27	30	23	5.0	1.7	.66	.56	1.4
27	1.6	2.1	8.1	10	222	101	21	4.5	1.5	.56	.56	.90
28	1.6	2.0	12	9.5	580	107	18	4.3	1.2	.56	.70	.68
29	1.5	1.8	8.0	8.5	456	74	18	3.8	1.1	.72	.79	.90
30	1.6	1.8	7.6	7.4	–	64	17	3.8	1.2	.56	.60	.90
31	1.5	–	30	6.4	–	53	–	3.4	–	.51	.47	–

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	43.05	1.8	0.89	1.39	0.011	0.01	85
November	61.1	2.8	1.5	2.04	.015	.02	121
December	133.6	30	1.6	4.31	.033	.04	265
Calendar year 1935	12,733.98	568	.48	34.9	.264	3.58	25,260
January	1,538.8	238	6.4	49.6	.376	.43	3,050
February	1,525.7	580	6.0	52.6	.398	.43	3,030
March	4,350	586	30	140	1.06	1.22	8,630
April	1,062	63	17	35.4	.268	.30	2,110
May	376.0	32	3.4	12.1	.092	.11	746
June	103.7	7.2	1.1	3.46	.026	.03	206
July	27.90	1.4	.39	.900	.0068	.008	55
August	16.79	.79	.39	.542	.0041	.005	33
September	32.75	2.5	.68	1.09	.0083	.009	65
Water year 1935-36	9,271.39	586	.39	25.3	.192	2.61	18,400

Dry Fork of South Fork of Palouse River at Pullman, Wash.

Location.- Water-stage recorder, lat. 46°32'25", long. 117°11'10", in NE¼SE¼ sec. 6, T. 14 N., R. 45 E., half a mile above mouth, at Pullman.

Drainage area.- 7.6 square miles.

Records available.- December 1934 to September 1936.

Extremes.- Maximum discharge during year, 159 second-feet Feb. 27 (gage height, 2.76 feet); no flow Oct. 1 to Nov. 7, Nov. 10, 30, Dec. 17-24, May 25 to June 2, June 6, June 10 to Sept. 30.

1934-36: Maximum discharge, that of Feb. 27, 1936; no flow for long periods each year.

Remarks.- Records good except those for period of ice effect, Feb. 1-26 (computed on basis of weather records and records for stations on Paradise Creek and Missouri Flat Creek at Pullman), and those for Mar. 6, 7 (computed on basis of staff readings), which are poor. Artificial control consisting of modified Parshall flume and low ogee-type dam used except for periods Nov. 8 to Dec. 26, Dec. 28-30, Jan. 28-31, Mar. 25, 26, Apr. 8 to May 4, May 7 to June 9, when a 2-foot or 6-inch Cippoletti weir was inserted in the flume and discharge was computed from weir formulas. 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		0	0.01	2.0	0.17	19	1.8	0.14	0			
2		0	.02	16	.17	13	4.0	.21	0			
3		0	.02	2.1	.17	10	4.6	.74	.01			
4		0	.02	13	.17	6.1	4.1	.25	.01			
5		0	.02	13	.17	4.6	1.5	1.4	.01			
6		0	.02	1.0	.17	3.0	1.2	.70	0			
7		0	.03	.86	.17	2.0	1.2	.72	.02			
8		.02	.05	.92	.18	8.8	.69	.56	.02			
9		.04	.03	4.1	.28	6.1	.60	.39	.01			
10		0	.03	13	.42	3.5	.56	.29	0			
11		.02	.07	10	.50	2.7	.47	.17	0			
12		.04	.17	23	.52	4.6	.39	.10	0			
13		.02	.06	9.8	.48	4.4	.29	.05	0			
14		.01	.03	4.7	.36	2.9	.26	.07	0			
15		.04	.03	3.0	.24	4.9	.20	.06	0			
16		.04	.01	2.1	.20	2.4	.17	.08	0			
17		.03	0	2.1	.20	2.3	.16	.06	0			
18		.02	0	1.4	.20	1.2	.12	.03	0			
19		.03	0	1.5	.20	1.2	.10	.01	0			
20		.03	0	4.4	.25	1.1	.10	.02	0			
21		.03	0	4.8	.48	.70	.10	.01	0			
22		.02	0	3.7	1.1	.36	.18	.01	0			
23		.06	0	2.9	1.6	.89	.28	.01	0			
24		.05	0	1.8	2.0	1.0	.28	.01	0			
25		.04	.05	1.2	2.4	.90	.42	0	0			
26		.03	.23	.85	2.8	1.1	.24	0	0			
27		.03	1.1	.64	76	9.3	.18	0	0			
28		.02	1.5	.52	70	3.0	.20	0	0			
29		.02	.26	.29	34	3.0	.20	0	0			
30		0	.98	.26	–	3.4	.14	0	0			
31		–	5.2	.20	–	1.2	–	0	–			

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	0	0	0	0	0	0	0
November	.64	.06	0	.021	.0028	.003	1.3
December	9.94	5.2	0	.321	.042	.05	20
Calendar year 1935	636.76	44	0	1.74	.229	3.12	1,260
January	145.14	23	.20	4.68	.616	.71	288
February	195.60	76	.17	6.74	.887	.96	388
March	128.65	19	.36	4.15	.546	.63	255
April	24.73	4.6	.10	.824	.108	.12	49
May	6.09	1.4	0	.196	.026	.03	12
June	.08	.02	0	.003	.00039	.0004	.16
July	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0
Water year 1935-36	510.87	76	0	1.40	.184	2.50	1,010

Paradise Creek near Pullman, Wash.

Location.- Water-stage recorder, lat. 46°43'10", long. 117°9'30", in SW¼ sec. 4, T. 14 N., R. 45 E., 2,500 feet above mouth and 1 mile southeast of Pullman.

Drainage area.- 37.0 square miles.

Records available.- April 1934 to September 1936.

Extremes.- Maximum discharge during year, 326 second-feet Mar. 2 (gage height, 2.91 feet); minimum, 0.13 second-foot July 21.
1934-36: Maximum discharge, that of Mar. 2, 1936; minimum, that of July 21, 1936.

Remarks.- Records excellent except those for period of ice effect, Jan. 26 to Feb. 28, computed on basis of four discharge measurements, gage heights, and weather records, which are poor. Artificial control consisting of a modified Parshall flume and low ogee-type dam used except for periods Oct. 1 to Dec. 27, May 11 to Sept. 30, when 2-foot Cippoletti weir was used and discharge was determined from weir formulas. No important diversions. Slight fluctuation caused by Moscow sewage-disposal plant.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.84	0.89	0.97	4.2	1.2	167	9.4	5.2	1.2	0.69	0.43	0.48
2	.80	.89	.89	20	1.2	187	13	3.6	1.4	.60	.47	.89
3	.79	.84	1.0	7.0	1.2	200	17	8.8	1.6	.60	.43	1.2
4	.84	1.0	1.0	27	1.2	106	17	4.2	1.3	.64	.47	.69
5	.94	1.1	1.0	39	1.2	70	9.3	6.0	1.3	.43	.36	.84
6	1.2	1.1	1.1	6.8	1.2	52	7.9	5.8	1.2	.39	.38	.43
7	.74	1.2	1.2	4.1	1.2	39	8.2	3.3	1.7	.64	.39	.51
8	.84	1.2	1.5	2.7	1.2	60	7.7	3.3	2.0	.64	.32	.74
9	.84	1.2	1.2	3.6	1.3	74	8.4	2.9	1.8	.69	.58	.43
10	.84	1.1	1.2	12	1.6	34	9.2	2.5	1.2	.74	.43	.47
11	.94	.94	1.3	43	1.8	28	10	2.5	1.0	.56	.32	.72
12	1.2	1.2	2.2	42	1.9	31	12	2.5	1.3	.56	.51	.59
13	1.3	1.1	1.7	66	1.9	38	13	2.3	.94	.43	.43	.64
14	.94	.96	1.5	19	1.6	26	12	2.2	1.2	.56	.56	.54
15	.89	1.0	1.1	15	1.4	39	10	2.5	1.1	.51	.56	.67
16	.89	.99	.91	10	1.3	29	9.6	2.3	1.7	.47	.51	.56
17	.89	.82	1.2	6.9	1.2	24	9.1	2.0	1.0	.39	.39	.86
18	.89	.70	1.1	5.0	1.5	17	8.5	1.9	.89	.47	.42	.66
19	.94	.98	1.1	5.0	1.9	16	7.4	1.9	.86	.46	.47	.82
20	.94	.94	1.1	5.5	2.5	15	6.7	1.4	.86	.29	.47	.64
21	.94	.96	.97	7.1	3.1	15	6.0	1.9	.73	.26	.43	.56
22	1.3	1.0	.86	6.9	3.7	12	5.5	1.7	.64	.51	.43	.86
23	1.1	1.2	.89	7.2	5.4	12	5.8	1.3	.86	.47	.42	.74
24	.94	1.4	.89	7.2	6.8	11	5.5	1.4	.84	.36	.32	.60
25	.94	1.2	1.3	4.7	7.3	10	6.0	1.3	.86	.32	.50	.79
26	.94	1.1	1.9	3.4	8.0	8.4	4.8	1.7	.79	.58	.50	.83
27	.89	1.1	2.0	2.5	39	36	4.0	1.4	.68	.32	.38	.64
28	.84	1.0	2.1	1.9	103	29	3.9	1.3	.64	.43	.51	.60
29	.84	.94	1.4	1.6	117	22	3.6	1.2	.64	.47	.36	.91
30	.89	.90	1.3	1.4	–	19	3.4	1.1	.80	.47	.43	.64
31	.77	–	6.8	1.2	–	14	–	.98	–	.47	.32	–

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	28.88	1.3	0.74	0.932	0.025	0.03	57
November	30.95	1.4	.70	1.03	.028	.03	61
December	44.68	6.8	.86	1.44	.039	.04	89
Calendar year 1935	4,094.13	151	.29	11.2	.303	4.12	8,120
January	388.9	66	1.2	12.5	.338	.39	771
February	322.8	117	1.2	11.1	.300	.32	640
March	1,440.4	200	8.4	46.5	1.26	1.45	2,860
April	253.9	17	3.4	8.46	.229	.26	504
May	82.38	8.8	.98	2.66	.072	.08	163
June	33.03	2.0	.64	1.10	.030	.03	66
July	15.42	.74	.26	.497	.013	.01	31
August	13.50	.58	.32	.435	.012	.01	27
September	20.55	1.2	.43	.685	.019	.02	41
Water year 1935-36	2,675.39	200	.26	7.31	.198	2.67	5,310

Missouri Flat Creek at Pullman, Wash.

Location.- Water-stage recorder, lat. 46°43'50", long. 117°11'0", in NE¼ sec. 6, T. 14 N., R. 45 E., 600 feet above mouth at State Street crossing in Pullman.

Drainage area.- 27.5 square miles.

Records available.- February 1934 to September 1936.

Extremes.- Maximum discharge during year, 368 second-feet Mar. 2 (gage height, 2.83 feet); no flow June 22, 23, 25-30, July 1 to Sept. 1, Sept. 3-6, 8-30.
1934-36: Maximum discharge, that of Mar. 2, 1936; no flow for long periods during each summer.

Remarks.- Records excellent except those for period of ice effect, Jan. 28, 29, Feb. 1-4, 6-27, computed on basis of three discharge measurements, gage heights, and weather records, which are fair. Artificial control consisting of a modified Parshall flume and low ogee-type dam used except for periods Oct. 1 to Dec. 25, May 9 to Sept. 30, when a 1-foot Cippoletti weir or 3-inch rectangular weir was inserted in the flume and discharge was determined from weir formulas. 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	0.01	0.01	0.11	5.1	0.73	157	5.6	0.94	0.07			0
2	.01	.01	.10	19	.73	165	15	1.1	.12			.01
3	.01	.01	.10	7.9	.73	113	19	1.7	.25			0
4	.01	.01	.11	31	.73	64	16	1.3	.30			0
5	.01	.02	.11	45	.73	47	6.3	1.9	.19			0
6	.01	.01	.11	3.7	.73	38	5.2	2.2	.19			0
7	.01	.01	.12	2.7	.73	31	5.0	1.0	.28			.01
8	.01	.02	.28	1.7	.73	59	4.1	.70	.92			0
9	.01	.09	.25	3.0	.78	52	3.6	.62	.53			0
10	.01	.07	.23	15	.93	25	3.4	.53	.28			0
11	.01	.09	.23	51	1.0	20	3.3	.42	.16			0
12	.01	.14	.64	53	1.2	28	3.0	.35	.16			0
13	.01	.14	.50	66	1.1	31	2.6	.30	.16			0
14	.01	.08	.23	15	.88	15	2.2	.35	.19			0
15	.01	.09	.16	12	.68	34	1.9	.47	.16			0
16	.01	.10	.11	6.8	.53	20	1.8	.45	.14			0
17	.01	.09	.10	5.0	.48	19	1.5	.37	.12			0
18	.01	.10	.06	3.6	.48	11	1.3	.32	.08			0
19	.01	.08	.04	3.4	.48	9.3	1.1	.25	.07			0
20	.01	.10	.03	4.1	.58	8.5	1.1	.23	.03			0
21	.01	.07	.03	5.8	1.0	7.2	1.1	.23	.01			0
22	.01	.08	.03	5.9	1.8	4.6	1.2	.21	0			0
23	.01	.16	.03	6.3	2.3	5.9	1.3	.21	0			0
24	.01	.23	.04	5.2	2.9	5.7	1.2	.19	.01			0
25	.01	.20	.20	2.9	3.5	5.0	1.8	.17	0			0
26	.01	.17	.57	2.3	4.0	4.1	1.4	.14	0			0
27	.01	.14	.91	1.6	44	37	1.2	.11	0			0
28	.01	.12	.81	1.3	115	16	1.0	.10	0			0
29	.01	.11	.53	.99	139	15	1.0	.07	0			0
30	.01	.12	1.0	.83	-	16	.88	.06	0			0
31	.01	-	5.7	.78	-	6.8	-	.04	-			

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	0.31	0.01	0.01	0.010	0.00036	0.0004	0.61
November	2.67	.23	.01	.089	.0032	.004	5.3
December	13.47	5.7	.03	.435	.016	.02	27
Calendar year 1935	2,995.75	164	0	8.21	.299	4.04	5,940
January	387.90	66	.78	12.5	.455	.52	769
February	328.46	139	.48	11.3	.411	.44	651
March	1,070.1	165	4.1	34.5	1.25	1.44	2,120
April	115.08	19	.88	3.84	.140	.16	228
May	17.03	2.2	.04	.549	.020	.02	34
June	4.42	.92	0	.147	.0053	.006	8.8
July	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	.02	.01	0	.001	.00004	.00004	.04
Water year 1935-36	1,939.46	165	0	5.30	.193	2.61	3,840

Fourmile Creek at Shawnee, Wash.

Location.- Water-stage recorder, lat. 46°49'55", long. 117°16'20", in SW¼NE¼ sec. 33, T. 16 N., R. 44 E., half a mile above mouth and three-quarters of a mile north of Shawnee.

Drainage area.- 71.9 square miles.

Records available.- March 1934 to September 1936.

Extremes.- Maximum discharge during year, 727 second-feet Feb. 28 (gage height, 3.98 feet); no flow Oct. 1 to Nov. 11, June 28 to Sept. 30.
1934-36: Maximum discharge, 786 second-feet Jan. 24, 1935 (gage height, 4.13 feet); no flow for long periods each year.

Remarks.- Records excellent except those for period of ice effect, Jan. 29 to Feb. 26 (computed on basis of six discharge measurements, gage heights, and weather records, and those for Nov. 12, 13, Mar. 26 to Apr. 2 (computed on basis of partial gage-height record, records for nearby stations, and general information), which are fair. Artificial control consisting of a modified Parshall flume and low ogee-type dam used except for periods Nov. 14 to Dec. 30, May 12 to June 3, June 11-27, when a 2-foot or 6-inch Cippoletti weir was inserted in the flume and discharge was determined from weir formulas. 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		0	0.26	e.1	2.2	338	14	4.3	1.2			
2		0	.25	35	2.2	235	18	3.6	1.4			
3		0	.26	15	2.2	186	29	4.2	2.8			
4		0	.30	39	2.2	106	30	3.7	4.4			
5		0	.34	87	2.2	72	17	5.3	4.2			
6		0	.38	12	2.3	55	15	6.8	2.7			
7		0	.50	7.7	2.2	44	15	3.5	15			
8		0	.79	4.7	2.2	94	13	2.7	17			
9		0	.74	5.4	2.2	83	12	2.4	3.1			
10		0	.64	38	2.3	43	12	2.0	1.8			
11		0	.69	121	2.4	38	13	1.8	1.2			
12		.10	1.4	113	2.5	50	13	1.5	.73			
13		.19	1.3	196	2.5	49	12	1.3	.61			
14		.28	.89	45	2.2	33	10	1.2	.52			
15		.32	.56	41	2.0	73	9.0	1.5	.48			
16		.34	.39	21	1.9	51	8.0	2.1	.54			
17		.32	.32	19	1.8	43	7.3	1.8	.65			
18		.25	.26	12	1.8	29	6.4	1.4	.52			
19		.21	.26	12	2.0	26	5.6	1.2	.38			
20		.22	.29	14	2.2	24	5.1	1.1	.32			
21		.24	.32	23	2.4	22	4.8	1.0	.22			
22		.26	.29	29	3.0	14	4.5	1.1	.16			
23		.40	.26	30	13	16	5.7	1.1	.12			
24		.54	.32	22	14	18	5.1	1.0	.10			
25		.54	.64	9.6	14	16	6.9	.99	.07			
26		.46	1.4	6.4	16	13	5.1	.99	.05			
27		.38	2.3	5.7	135	67	4.6	2.0	.02			
28		.34	3.1	4.5	450	47	3.9	2.0	0			
29		.30	2.4	3.6	406	35	3.9	1.6	0			
30		.30	2.5	2.6	–	29	3.9	1.3	0			
31		–	16.2	2.2	–	18	–	1.3	–			

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	0	0	0	0	0	0	0
November	5.99	.54	0	.200	.0028	.003	12
December	40.55	16.2	.25	1.31	.018	.02	80
Calendar year 1935	7,330.31	502	0	20.1	.280	3.78	14,530
January	984.5	196	2.2	31.8	.442	.51	1,950
February	1,096.9	450	1.8	37.8	.526	.57	2,180
March	1,967	338	13	63.5	.883	1.02	3,900
April	312.8	30	3.9	10.4	.145	.16	620
May	67.78	6.8	.99	2.19	.030	.03	134
June	60.29	17	0	2.01	.028	.03	120
July	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0
Water year 1935-36	4,535.81	450	0	12.4	.172	2.34	9,000

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 Snake River Basin during the water years 1934-35* and 1935-36

Date	Stream	Tributary to or diverting from-	Locality	Discharge
1936				Sec.-ft.
July 26	Trail Creek.....	Teton River.....	Above String Canal near Victor, Idaho...	84.1
Aug. 7	....do.....	....do.....	....do.....	69.5
July 26	Game Creek.....	Trail Creek.....	At highway crossing near Victor, Idaho..	22.7
Aug. 7	....do.....	....do.....	....do.....	18.8
July 25	Fox Creek.....	Teton River.....	Above diversions near Driggs, Idaho.....	18.9
Aug. 14	....do.....	....do.....	....do.....	11.9
July 28	Darby Creek.....	....do.....	....do.....	26.0
Aug. 14	....do.....	....do.....	....do.....	14.5
15	Teton Creek.....	....do.....	....do.....	33.1
15	South Leigh Creek.	....do.....	Above diversions near Tetonia, Idaho....	13.6
15	North Leigh Creek.	....do.....	....do.....	6.2
1935				
27	Little Lost River.	Snake River.....	Sec. 33, T. 10 N., R. 27 E., 500 feet below weir, half a mile above Wet Creek, and 27 miles northwest of Howe, Idaho.	14.6
27	....do.....	....do.....	Sec. 4, T. 9 N., R. 27 E., 600 feet below Wet Creek and 26 miles northwest of Howe, Idaho.	32.2
27	....do.....	....do.....	About sec. 12, T. 7 N., R. 27 E., immediately above Knollin Ranch and about 14 miles northwest of Howe, Idaho	22.9
28	....do.....	....do.....	Sec. 20, T. 7 N., R. 28 E., 150 feet above mouth of Spring Creek and 11 miles northwest of Howe, Idaho.	20.8
26	Sawmill Creek.....	Little Lost River.	Sec. 3, T. 11 N., R. 26 E., at mouth of canyon, 40 miles northwest of Howe, Idaho.	15.2
26	....do.....	....do.....	Sec. 26, T. 11 N., R. 26 E., at head of Sawmill by-pass canal and 35 miles northwest of Howe, Idaho.	11.9
27	....do.....	....do.....	....do.....	13.7
26	Warm Creek.....	Sawmill Creek...	Sec. 2, T. 11 N., R. 26 E., at mouth, 39 miles northwest of Howe, Idaho.	3.04
27	Sawmill by-pass canal.	....do.....	Sec. 35, T. 11 N., R. 26 E., above mouth of Pass Creek Canal, 34 miles northwest of Howe, Idaho.	11.6
27	Pass Creek Canal..	Pass Creek.....	Sec. 34, T. 11 N., R. 26 E., at head, 35 miles northwest of Howe, Idaho.	6.59
27	Sawmill by-pass canal.	Discharges into Pass Creek.	Sec. 2, T. 10 N., R. 26 E., at mouth, 35 miles northwest of Howe, Idaho.	16.2
27	....do.....	....do.....	Sec. 35, T. 11 N., R. 26 E., at mouth, 34 miles northwest of Howe, Idaho.	6.16
25	Dry Creek.....	Little Lost River.	Sec. 12, T. 9 N., R. 24 E., 1½ miles above Dry Creek Dam and 36 miles northwest of Howe, Idaho.	17.9
25	....do.....	....do.....	Sec. 1, T. 9 N., R. 24 E., in Dry Creek Reservoir bottom, about a qusrter of a mile above Dry Creek Dam and 36 miles northwest of Howe, Idaho.	18.5
25	....do.....	....do.....	Sec. 31, T. 10 N., R. 25 E., 1.1 miles below Dry Creek Dam, above Taylor Diversion, and 36 miles northwest of Howe, Idaho.	1.43
1936				
June 24	....do.....	....do.....	In sec. 31, T. 10 N., R. 25 E., 1.2 miles below Dry Creek Dam, below Taylor Diversion, and 36 miles northwest of Howe, Idaho.	61.4
24	....do.....	....do.....	In sec. 20, T. 10 N., R. 25 E., 3.3 miles below Dry Creek Dam and 37 miles northwest of Howe, Idaho.	50.1
24	....do.....	....do.....	In sec. 15, T. 10 N., R. 25 E., immediately above heading of Farmer's Ditch, 400 feet below Taylor Diversion No. 2, and 36 miles northwest of Howe, Idaho.	32.9
1935				
Aug. 25	Long Lost Creek...	Dry Creek.....	Sec. 12, T. 9 N., R. 24 E., 1½ miles above Dry Creek Dam and 36 miles northwest of Howe, Idaho.	1.07
25	Pipe-line outlet from Dry Creek Reservoir.	....do.....	Sec. 31, T. 10 N., R. 25 E., 1¾ miles below Dry Creek Dam, a quarter of a mile below mouth of pipe line, and 36 miles northwest of Howe, Idaho.	13.2
1936				
June 24	Taylor Diversion No.2.	....do.....	In sec. 15, T. 10 N., R. 25 E., 400 feet below head gate and 36 miles northwest of Howe, Idaho.	2.92
24	Farmer's Ditch....	....do.....	In sec. 29, T. 10 N., R. 26 E., 4.3 miles below heading and 33 miles northwest of Howe, Idaho.	26.8
24	....do.....	....do.....	In sec. 33, T. 10 N., R. 26 E., 300 feet above junction with Wet Creek and 30 miles northwest of Howe, Idaho.	22.0
1935				
Aug. 26	Wet Creek.....	Little Lost River.	Sec. 8, T. 9 N., R. 26 E., 100 feet above mouth of Corral Creek and 30 miles northwest of Howe, Idaho.	12.4
26	....do.....	....do.....	Sec. 31, T. 10 N., R. 27 E., at Mulkey-Bassinger diversion, 28 miles northwest of Howe, Idaho.	20.2

*Miscellaneous measurements of discharge made during the water year 1934-35 on tributaries of the Snake River from Little Lost River to Salmon River were omitted from Water-Supply Paper 793.

Miscellaneous discharge measurements in Snake River Basin during the water years 1934-35* and 1935-36--Continued

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
Aug. 26	Wet Creek.....	Little Lost River.	Sec. 4, T. 9 N., R. 27 E., half a mile above mouth and 27 miles northwest of Howe, Idaho.	15.8
25	Corral Creek.....	Wet Creek.....	Sec. 8, T. 9 N., R. 26 E., at mouth, 30 miles northwest of Howe, Idaho.	7.68
26	....do.....	....do.....	....do.....	9.29
26	Mudd Diversion.....	....do.....	Sec. 32, T. 10 N., R. 27 E., at head gate, 27 miles northwest of Howe, Idaho.	†2.67
27	Brabec Diversion....	Little Lost River.	Sec. 16, T. 9 N., R. 27 E., 25 miles northwest of Howe, Idaho.	1.30
27	Deer Creek.....	....do.....	Sec. 34, T. 9 N., R. 27 E., at mouth, 22 miles northwest of Howe, Idaho.	.74
27	....do.....	....do.....	....do.....	.72
27	Badger Creek.....	....do.....	....do.....	1.84
28	Spring Creek.....	....do.....	Sec.20, T. 7 N., R. 28 E., at mouth, 11 miles northwest of Howe, Idaho.	16.49
28	Teeney Creek.....	....do.....	Sec. 3, T. 6 N., R. 28 E., at mouth, 8 miles northwest of Howe, Idaho. (Less 0.10 second-foot estimated - Jones Diversion).	5.82
28	King Diversion.....	....do.....	Sec. 2, T. 6 N., R. 28 E., at head gate, 7 miles northwest of Howe, Idaho.	†1.42
1934				
Oct. 24	Birch Creek.....	Marsh Creek.....	Sec. 28, T. 12 S., R. 36 E., above diversion to Devil Creek, 10 miles north of Malad, Idaho.	5.61
1935				
Mar. 29	....do.....	....do.....	....do.....	6.00
Apr. 24	....do.....	....do.....	....do.....	12.5
May 22	....do.....	....do.....	....do.....	16.0
June 6	....do.....	....do.....	....do.....	10.1
9	....do.....	....do.....	....do.....	11.1
July 14	....do.....	....do.....	....do.....	4.90
17	....do.....	....do.....	....do.....	7.24
Aug. 9	....do.....	....do.....	....do.....	6.65
11	....do.....	....do.....	....do.....	5.91
Sept.12	....do.....	....do.....	....do.....	5.89
Oct. 19	....do.....	....do.....	....do.....	5.97
Dec. 19	....do.....	....do.....	....do.....	5.53
1936				
June 4	....do.....	....do.....	....do.....	14.2
21	....do.....	....do.....	....do.....	9.10
July 24	....do.....	....do.....	....do.....	9.39
Sept.11	....do.....	....do.....	....do.....	5.62
26	....do.....	....do.....	....do.....	6.97
1935				
June 3	Blue Lakes outlet...	Snake River.....	SW¼SW¼ sec. 28, T. 9 S., R. 17 E., about 800 feet above mouth and 4 miles north of Twin Falls, Idaho.	215
13	....do.....	....do.....	....do.....	215
July 12	....do.....	....do.....	....do.....	215
21	....do.....	....do.....	....do.....	196
Aug. 7	....do.....	....do.....	....do.....	216
15	....do.....	....do.....	....do.....	222
1934				
Oct. 26	....do.....	....do.....	SW¼SW¼ sec. 28, T. 9 S., R. 17 E., at mouth, 100 feet above confluence with Snake River and 4 miles north of Twin Falls, Idaho.	202
1935				
Jan. 26	....do.....	....do	....do.....	203
Mar. 26	....do.....	....do.....	....do.....	193
Apr. 20	....do.....	....do.....	....do.....	183
Sept. 7	....do.....	....do.....	....do.....	204
Oct. 25	....do.....	....do.....	....do.....	204
1936				
Feb. 2	....do.....	....do.....	....do.....	204
Apr. 8	....do.....	....do.....	....do.....	192
May 9	....do.....	....do.....	....do.....	188
June 15	....do.....	....do.....	....do.....	194
27	....do.....	....do.....	....do.....	189
Aug. 3	....do.....	....do.....	....do.....	187
Sept.23	....do.....	....do.....	....do.....	196
1935				
June 3	Blue Lakes diversion ditch.	Blue Lakes outlet, right channel.	SW¼SW¼ sec. 28, T. 9 S., R. 17 E., at head, 4 miles north of Twin Falls, Idaho, 300 feet above its confluence with Snake River.	12.0
13	....do.....	....do.....	....do.....	16.8
July 12	....do.....	....do.....	....do.....	15.7
21	....do.....	....do.....	....do.....	14.2
Aug. 7	....do.....	....do.....	....do.....	15.0
Apr. 1	West Fork of Fish Creek.	Fish Creek.....	Sec. 3, T. 1 N., R. 22 E., 1¾ miles above Fish Creek Dam and about 11 miles northeast of Carey, Idaho.	‡.10
Apr. 26	....do.....	....do.....	....do.....	‡.15
May 19	....do.....	....do.....	....do.....	.63

*Miscellaneous measurements of discharge made during the water year 1934-35 on tributaries of the Snake River from Little Lost River to Salmon River were omitted from Water-Supply Paper 793.

†Weir measurement.

‡Estimated.

Miscellaneous discharge measurements in Snake River Basin during the water years 1934-35* and 1935-36--Continued

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
June 17	West Fork of Fish Creek.	Fish Creek.....	Sec. 3, T. 1 N., R. 22 E., 1¾ miles above Fish Creek Dam and about 11 miles northeast of Carey, Idaho.	‡0.15
July 13	....do.....	....do.....	....do.....	‡.20
Aug. 18	....do.....	....do.....	....do.....	‡.09
Sept.23	....do.....	....do.....	....do.....	‡.12
1936				
Apr. 10	....do.....	....do.....	....do.....	‡.30
May 21	....do.....	....do.....	....do.....	1.43
June 22	....do.....	....do.....	....do.....	‡.30
July 24	....do.....	....do.....	....do.....	‡.02
Aug. 26	....do.....	....do.....	....do.....	‡.05
1935				
Aug. 18	....do.....	....do.....	Sec. 10, T. 1 N., R. 22 E., ½ mile above Fish Creek Dam and about 11 miles northeast of Carey, Idaho.	†.40
Apr. 19	Ake Lateral No. 1....	Mountain Home feeder canal.	Sec. 36, T. 2 S., R. 6 E., at heading, 5 miles north of Mountain Home, Idaho.	.83
May 23	....do.....	....do.....	....do.....	1.15
June 19	....do.....	....do.....	....do.....	1.22
July 20	....do.....	....do.....	....do.....	1.20
1936				
May 18	....do.....	....do.....	....do.....	‡1.50
June 11	....do.....	....do.....	....do.....	‡2.00
24	....do.....	....do.....	....do.....	1.78
July 20	....do.....	....do.....	....do.....	.90
Aug. 6	....do.....	....do.....	....do.....	1.39
24	....do.....	....do.....	....do.....	1.18
Sept.18	....do.....	....do.....	....do.....	1.05
1935				
Apr. 19	Ake Lateral No. 2....	....do.....	....do.....	5.90
May 23	....do.....	....do.....	....do.....	6.74
June 19	....do.....	....do.....	....do.....	3.58
July 20	....do.....	....do.....	....do.....	3.68
Aug. 12	....do.....	....do.....	....do.....	†1.02
21	....do.....	....do.....	....do.....	‡.85
Oct. 7	....do.....	....do.....	....do.....	‡.80
1936				
Mar. 19	....do.....	....do.....	....do.....	‡.15
Apr. 20	....do.....	....do.....	....do.....	6.99
May 14	....do.....	....do.....	....do.....	7.16
18	....do.....	....do.....	....do.....	6.78
June 11	....do.....	....do.....	....do.....	4.14
July 20	....do.....	....do.....	....do.....	1.69
Aug. 6	....do.....	....do.....	....do.....	2.31
24	....do.....	....do.....	....do.....	2.44
Sept.18	....do.....	....do.....	....do.....	1.75
1935				
Nov. 8	Boise River (north channel).	Snake River.....	NE¼ sec. 22, T. 4 N., R. 1 E., below regulation dam and 2 miles southeast of Eagle, Idaho.	59.9
27	....do.....	....do.....	NW¼ sec. 18, T. 4 N., R. 1 E., 900 feet below Prison Farm dairy barn and 1.8 miles west of Eagle, Idaho.	85.7
Jan. 15	....do.....	....do.....	NE¼ sec. 14, T. 4 N., R. 1 W., ¼ mile below Darland Lane and 3¼ miles west of Eagle, Idaho.	217
Nov. 8	....do.....	....do.....	....do.....	76.3
8	Boise River (south channel).	....do.....	NE¼ sec. 22, T. 4 N., R. 1 E., below regulating dam and 2 miles southeast of Eagle, Idaho.	‡10.0
27	....do.....	....do.....	NW¼ sec. 24, T. 4 N., R. 1 W., 300 feet above Darland Lane and 3½ miles southwest of Eagle, Idaho.	34.0
8	....do.....	....do.....	NW¼ sec. 24, T. 4 N., R. 1 W., 200 feet above Darland Lane and 3½ miles southwest of Eagle, Idaho.	40.4
Jan. 15	....do.....	....do.....	NE¼ sec. 23, T. 4 N., R. 1 W., 40 feet below Darland Lane and 3½ miles southwest of Eagle, Idaho.	43.0
15	Boise River (two channels).	....do.....	Sec. 18, T. 4 N., R. 1 W., immediately above head gate of Caldwell Canal and 1 mile southwest of Star, Idaho.	288
15	....do.....	....do.....	Sec. 16, T. 4 N., R. 3 W., about 200 yards below mouth of Indian Creek and 1 mile northwest of Caldwell, Idaho.	525
Dec. 19	Eagle Drain.....	Boise River.....	SW¼ sec. 9, T. 4 N., R. 1 E., 15 feet above highway bridge at Eagle, Idaho	14.1
31	....do.....	....do.....	....do.....	30.7
1936				
Jan. 3	....do.....	....do.....	....do.....	34.7
9	....do.....	....do.....	....do.....	21.7
16	....do.....	....do.....	....do.....	19.0
23	....do.....	....do.....	....do.....	16.1
30	....do.....	....do.....	....do.....	30.1
Feb. 6	....do.....	....do.....	....do.....	29.0
13	....do.....	....do.....	....do.....	26.8
27	....do.....	....do.....	....do.....	29.7
Mar. 7	....do.....	....do.....	....do.....	17.6
16	....do.....	....do.....	....do.....	17.4
23	....do.....	....do.....	....do.....	13.8
30	....do.....	....do.....	....do.....	12.5

*Miscellaneous measurements of discharge made during the water year 1934-35 on tributaries of the Snake River from Little Lost River to Salmon River were omitted from Water-Supply Paper 793.

†Weir measurement. ‡Estimated.

Miscellaneous discharge measurements in Snake River Basin during the water years 1934-35* and 1935-36--Continued

Date	Stream	Tributary to or diverting from	Locality	Discharge
1935				Sec.-ft.
Nov. 19	Fivemile Drain and feeder ditch.	Boise River....	NW¼ sec. 32, T. 4 N., R. 1 W., ¼ mile above Phyllis Canal crossing and 3¼ miles west of Star, Idaho.	9.64
Dec. 11	....do.....	....do.....	NW¼ sec. 32, T. 4 N., R. 1 W., ½ mile above Phyllis Canal crossing and 3¼ miles west of Star, Idaho.	7.45
19	....do.....	....do.....	....do.....	5.27
28	....do.....	....do.....	....do.....	6.96
1936				
Jan. 3	....do.....	....do.....	....do.....	21.1
11	....do.....	....do.....	....do.....	12.5
17	....do.....	....do.....	....do.....	10.6
24	....do.....	....do.....	....do.....	7.78
Feb. 3	....do.....	....do.....	....do.....	7.41
11	....do.....	....do.....	....do.....	7.44
19	....do.....	....do.....	....do.....	5.64
28	....do.....	....do.....	....do.....	12.6
Mar. 7	....do.....	....do.....	....do.....	7.55
16	....do.....	....do.....	....do.....	6.85
23	....do.....	....do.....	....do.....	6.96
30	....do.....	....do.....	....do.....	4.88
1935				
Dec. 11	Fivemile Drain.....	....do.....	NE¼ sec. 31, T. 4 N., R. 1 W., at Phyllis Canal crossing, ¾ mile west of Star, Idaho.	8.86
19	....do.....	....do.....	....do.....	5.52
28	....do.....	....do.....	....do.....	7.04
1936				
Jan. 3	....do.....	....do.....	....do.....	25.7
11	....do.....	....do.....	....do.....	14.0
17	....do.....	....do.....	....do.....	12.3
24	....do.....	....do.....	....do.....	8.50
Feb. 3	....do.....	....do.....	....do.....	9.09
11	....do.....	....do.....	....do.....	8.10
19	....do.....	....do.....	....do.....	7.16
28	....do.....	....do.....	....do.....	13.8
Mar. 7	....do.....	....do.....	....do.....	7.99
16	....do.....	....do.....	....do.....	7.57
23	....do.....	....do.....	....do.....	6.37
30	....do.....	....do.....	....do.....	5.84
1935				
Dec. 10	Tenmile Drain.....	....do.....	SW¼ sec. 5, T. 3 N., R. 1 W., ¾ mile above Phyllis Canal crossing and 4¾ miles west of Star, Idaho.	4.08
18	....do.....	....do.....	....do.....	3.35
27	....do.....	....do.....	....do.....	3.76
1936				
Jan. 3	....do.....	....do.....	....do.....	6.63
10	....do.....	....do.....	....do.....	9.04
1935				
Nov. 19	....do.....	....do.....	SW¼ sec. 6, T. 3 N., R. 1 W., ¼ mile below Phyllis Canal crossing and 4 miles northeast of post office at Nampa, Idaho.	5.38
Dec. 10	....do.....	....do.....	....do.....	4.32
18	....do.....	....do.....	....do.....	3.60
27	....do.....	....do.....	....do.....	3.43
1936				
Jan. 3	....do.....	....do.....	....do.....	6.94
10	....do.....	....do.....	....do.....	10.6
17	....do.....	....do.....	....do.....	7.88
24	....do.....	....do.....	....do.....	4.47
Feb. 3	....do.....	....do.....	....do.....	4.36
11	....do.....	....do.....	....do.....	4.02
19	....do.....	....do.....	....do.....	3.79
28	....do.....	....do.....	....do.....	42.6
Mar. 7	....do.....	....do.....	....do.....	4.65
16	....do.....	....do.....	....do.....	4.09
23	....do.....	....do.....	....do.....	3.56
30	....do.....	....do.....	....do.....	3.23
1935				
Dec. 10	Purdam Drain.....	....do.....	SW¼ sec. 8, T. 3 N., R. 1 W., ¾ mile above Phyllis Canal crossing and 4¼ miles northeast of post office at Nampa, Idaho.	4.84
18	....do.....	....do.....	....do.....	5.45
27	....do.....	....do.....	....do.....	4.47
1936				
Jan. 3	....do.....	....do.....	....do.....	5.99
10	....do.....	....do.....	....do.....	5.61
1935				
Nov. 19	....do.....	....do.....	NW¼ sec. 7, T. 3 N., R. 1 W., ½ mile below Phyllis Canal crossing and 3¾ miles northeast of post office at Nampa, Idaho.	9.26
Dec. 10	....do.....	....do.....	NE¼ sec. 7, T. 3 N., R. 1 W., at Phyllis Canal crossing, 3 7/8 miles northeast of post office at Nampa, Idaho.	7.17
18	....do.....	....do.....	....do.....	6.95
27	....do.....	....do.....	....do.....	6.43

*Miscellaneous measurements of discharge made during the water year 1934-35 on tributaries of the Snake River from Little Lost River to Salmon River were omitted from Water-Supply Paper 793.

Miscellaneous discharge measurements in Snake River Basin during the water years 1934-35* and 1935-36--Continued

Date	Stream	Tributary to or diverting from-	Locality	Discharge
1936				Sec.-ft.
Jan. 3	Purdam Drain.....	Boise River....	NE¼ sec. 7, T. 3 N., R. 1 W., at Phyllis Canal crossing, 3 7/8 miles northeast of post office at Nampa, Idaho.	9.31
10	....do.....	....do.....	....do.....	9.18
17	....do.....	....do.....	....do.....	8.69
24	....do.....	....do.....	....do.....	7.96
Feb. 3	....do.....	....do.....	....do.....	7.23
11	....do.....	....do.....	....do.....	7.63
19	....do.....	....do.....	....do.....	6.50
28	....do.....	....do.....	....do.....	7.85
Mar. 7	....do.....	....do.....	....do.....	7.54
16	....do.....	....do.....	....do.....	6.44
23	....do.....	....do.....	....do.....	6.52
30	....do.....	....do.....	....do.....	6.28
1935				
Nov. 19	Mason Drain.....	....do.....	NW¼ sec. 23, T. 3 N., R. 2 W., ½ mile above Phyllis Canal crossing and ¾ mile northeast of post office at Nampa, Idaho.	6.17
Dec. 10	....do.....	....do.....	....do.....	5.80
18	....do.....	....do.....	....do.....	4.94
27	....do.....	....do.....	....do.....	5.42
1936				
Jan. 3	....do.....	....do.....	....do.....	15.0
10	....do.....	....do.....	....do.....	17.5
17	....do.....	....do.....	....do.....	5.84
24	....do.....	....do.....	....do.....	7.94
Feb. 3	....do.....	....do.....	....do.....	4.99
11	....do.....	....do.....	....do.....	5.08
19	....do.....	....do.....	....do.....	4.39
28	....do.....	....do.....	....do.....	6.80
Mar. 7	....do.....	....do.....	....do.....	5.08
16	....do.....	....do.....	....do.....	4.19
23	....do.....	....do.....	....do.....	2.50
30	....do.....	....do.....	....do.....	2.33
1935				
Nov. 19	Indian Creek Drain...	....do.....	NE¼ sec. 22, T. 3 N., R. 2 W., at Phyllis Canal crossing, ½ mile northeast of post office at Nampa, Idaho.	22.4
Dec. 10	....do.....	....do.....	....do.....	18.8
18	....do.....	....do.....	....do.....	16.3
27	....do.....	....do.....	....do.....	18.8
1936				
Jan. 2	....do.....	....do.....	....do.....	30.0
10	....do.....	....do.....	....do.....	21.1
17	....do.....	....do.....	....do.....	18.3
24	....do.....	....do.....	....do.....	16.8
Feb. 3	....do.....	....do.....	....do.....	15.7
11	....do.....	....do.....	....do.....	15.1
19	....do.....	....do.....	....do.....	15.1
28	....do.....	....do.....	....do.....	16.3
Mar. 7	....do.....	....do.....	....do.....	17.7
16	....do.....	....do.....	....do.....	15.5
23	....do.....	....do.....	....do.....	14.2
30	....do.....	....do.....	....do.....	14.2
1935				
Dec. 9	Elijah Drain.....	....do.....	SE¼ sec. 28, T. 3 N., R. 2 W., ¼ mile above Phyllis Canal crossing and 1 1/8 miles southwest of post office at Nampa, Idaho.	14.0
18	....do.....	....do.....	....do.....	13.7
21	....do.....	....do.....	....do.....	13.8
27	....do.....	....do.....	....do.....	14.5
1936				
Jan. 2	....do	....do.....	....do.....	28.0
10	....do.....	....do.....	....do.....	14.4
1935				
Nov. 19	....do.....	....do.....	NE¼ sec. 28, T. 3 N., R. 2 W., at Phyllis Canal crossing, 1 mile west of post office at Nampa, Idaho.	17.9
Dec. 9	....do.....	....do.....	....do.....	15.2
18	....do.....	....do.....	....do.....	13.9
21	....do.....	....do.....	....do.....	14.5
27	....do.....	....do.....	....do.....	15.7
1936				
Jan. 2	....do.....	....do.....	....do.....	29.3
10	....do.....	....do.....	....do.....	15.5
17	....do.....	....do.....	....do.....	15.8
24	....do.....	....do.....	....do.....	16.0
Feb. 3	....do.....	....do.....	....do.....	14.8
11	....do.....	....do.....	....do.....	15.9
19	....do.....	....do.....	....do.....	14.7
28	....do.....	....do.....	....do.....	15.6
Mar. 7	....do.....	....do.....	....do.....	15.3
16	....do.....	....do.....	....do.....	13.9
23	....do.....	....do.....	....do.....	14.1
30	....do.....	....do.....	....do.....	15.2

*Miscellaneous measurements of discharge made during the water year 1934-35 on tributaries of the Snake River from Little Lost River to Salmon River were omitted from Water-Supply Paper 793.

Miscellaneous discharge measurements in Snake River Basin during the water years 1934-35* and 1935-36--Continued

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
1935				
Dec. 9	Wilson Drain.....	Boise River....	NW¼ sec. 33, T. 3 N., R. 2 W., 2¼ miles above Phyllis Canal crossing and 1 7/8 miles southwest of post office at Nampa, Idaho.	17.9
18	....do.....	....do.....	....do.....	18.7
27	....do.....	....do.....	....do.....	20.5
1936				
Jan. 2	....do.....	....do.....	....do.....	29.7
10	....do.....	....do.....	....do.....	23.5
17	....do.....	....do.....	....do.....	21.6
24	....do.....	....do.....	....do.....	22.9
Feb. 3	....do.....	....do.....	....do.....	22.6
11	....do.....	....do.....	....do.....	25.0
19	....do.....	....do.....	....do.....	24.5
28	....do.....	....do.....	....do.....	22.4
Mar. 7	....do.....	....do.....	....do.....	23.1
16	....do.....	....do.....	....do.....	24.5
23	....do.....	....do.....	....do.....	26.8
30	....do.....	....do.....	....do.....	27.3
1935				
Nov. 19	....do.....	....do.....	SE¼ sec. 19, T. 3 N., R. 2 W., 1/8 mile above Phyllis Canal crossing and 2⅜ miles west of post office at Nampa, Idaho.	29.3
Dec. 9	....do.....	....do.....	....do.....	27.3
18	....do.....	....do.....	....do.....	29.0
27	....do.....	....do.....	....do.....	31.6
1936				
Jan. 2	....do.....	....do.....	....do.....	50.6
10	....do.....	....do.....	....do.....	32.0
17	....do.....	....do.....	....do.....	31.7
24	....do.....	....do.....	....do.....	33.1
Feb. 3	....do.....	....do.....	....do.....	32.2
11	....do.....	....do.....	....do.....	33.1
19	....do.....	....do.....	....do.....	33.5
28	....do.....	....do.....	....do.....	32.9
Mar. 7	....do.....	....do.....	....do.....	34.6
16	....do.....	....do.....	....do.....	34.6
23	....do.....	....do.....	....do.....	37.3
30	....do.....	....do.....	....do.....	37.7
1935				
Nov. 19	Upper Embankment Drain.	....do.....	SW¼ sec. 24, T. 3 N., R. 3 W., ¼ mile above Phyllis Canal crossing and 4¼ miles west of post office at Nampa, Idaho.	8.44
Dec. 9	....do.....	....do.....	....do.....	8.66
18	....do.....	....do.....	SW¼ sec. 24, T. 3 N., R. 3 W., 3/8 mile above Phyllis Canal crossing and 4¼ miles west of post office at Nampa, Idaho.	6.28
21	....do.....	....do.....	SW¼ sec. 24, T. 3 N., R. 3 W., ¼ mile above Phyllis Canal crossing and 4¼ miles west of post office at Nampa, Idaho.	8.36
27	....do.....	....do.....	....do.....	8.78
1936				
Jan. 2	....do.....	....do.....	....do.....	9.42
10	....do.....	....do.....	....do.....	8.74
17	....do.....	....do.....	....do.....	9.58
24	....do.....	....do.....	....do.....	9.39
Feb. 3	....do.....	....do.....	....do.....	9.03
11	....do.....	....do.....	....do.....	9.19
19	....do.....	....do.....	....do.....	10.2
28	....do.....	....do.....	....do.....	9.97
Mar. 7	....do.....	....do.....	....do.....	9.94
16	....do.....	....do.....	....do.....	10.4
23	....do.....	....do.....	....do.....	12.1
30	....do.....	....do.....	....do.....	12.4
1935				
Oct. 1	South Fork of Payette River.	Payette River..	SE¼ sec. 32, T. 9 N., R. 8 E., ¼ mile above Kirkham Hot Springs and 4¼ miles southeast of Lowman, Idaho.	231
1934				
Oct. 8	Deadwood River.....	South Fork of Payette River.	Sec. 35, T. 14 N., R. 7 E., at former U. S. Geological Survey gaging station a quarter of a mile above East Fork of Deadwood River, 1½ miles north of Bernard post office (Deadwood mine), and 13 miles southeast of Knox, Idaho.	4.22
1935				
July 26	Big Pine Creek.....	....do.....	Sec. 33, T. 9 N., R. 6 E., 200 feet above mouth and 7 miles west of Lowman, Idaho.	9.44
Oct. 11	Weiser River.....	Snake River....	SE¼ sec. 33, T. 11 N., R. 5 W., 1¼ miles above mouth and 1 mile east of Weiser, Idaho.	5.33

*Miscellaneous measurements of discharge made during the water year 1934-35 on tributaries of the Snake River from Little Lost River to Salmon River were omitted from Water-Supply Paper 793.

Miscellaneous discharge measurements in Snake River Basin during the water years 1934-35* and 1935-36--Continued

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				Sec.-ft.
Oct. 8	East Fork of Weiser River.	Weiser River....	Sec. 31, T. 17 N., R. 2 E., at former U. S. Geological Survey gaging station near Squaw Creek ranger station and 9 miles northeast of Council, Idaho.	0.48
1936				
Sept.15	....do.....	....do.....	....do.....	.39
1935				
July 31	Salmon River.....	Snake River.....	Sec. 27, T. 7 N., R. 14 E., ½ mile above mouth of Smiley Creek and 23 miles southeast of Stanley, Idaho.	12.5
31	Smiley Creek.....	Salmon River....	Sec. 22, T. 7 N., R. 14 E., 200 feet above mouth and 23 miles southeast of Stanley, Idaho.	7.30
31	Pole Creek.....	....do.....	Sec. 30, T. 7 N., R. 15 E., 100 feet downstream from Pole Creek ranger station, 3 miles above mouth, and 24 miles southeast of Stanley, Idaho.	25.0
1936				
Aug. 20	Elk Creek.....	Bear Valley Creek.	About sec. 35, T. 13 N., R. 8 E., 3/8 mile below mouth of Beaver Creek, 2½ miles west of Elk Creek ranger station, and 14 miles west of Cape Horn, Idaho.	39.2
20	Beaver Creek.....	Elk Creek.....	About sec. 34, T. 13 N., R. 8 E., just below mouth of Bearskin Creek, 4 miles west of Elk Creek ranger station, and 15 miles west of Cape Horn, Idaho.	12.7
1934				
Oct. 4	Elk Creek.....	South Fork of Salmon River.	Sec. 23, T. 21 N., R. 7 E., above diversion dam, 1 mile above confluence with South Fork of Salmon River, and 9 miles southeast of Warren, Idaho.	16.5
1935				
Aug. 14	Meadow Creek.....	East Fork of South Fork of Salmon River.	About sec. 14, T. 18 N., R. 9 E., at mouth, half a mile northeast of Stibnite post office, Idaho.	5.38
1936				
June 23	Sucker Creek.....	Snake River.....	Near Adrian, Oreg.....	1.6
23	Rock Creek.....	Sucker Creek....	At highway crossing north of Rockville, Oreg.	.6
23	Cow Creek.....	Jordan Creek....	At highway crossing, Sheaville, Oreg.	8.0
18	Bully Creek.....	Malheur River...	500 feet above highway crossing at Frederickson ranch, about ½ mile above mouth, Oreg.	5.9
18	Willow Creek.....	....do.....	Mouth, 3 miles east of Vale, Oreg. ..	2.5

*Miscellaneous measurements of discharge made during the water year 1934-35 on tributaries of the Snake River from Little Lost River to Salmon River were omitted from Water-Supply Paper 793.

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