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SURFACE WATER SUPPLY *of the* UNITED STATES 1935

PART 13

SNAKE RIVER BASIN

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SURFACE WATER SUPPLY OF SNAKE RIVER BASIN, 1935

SCOPE OF WORK

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

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

EXPLANATION OF DATA

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

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

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

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

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

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

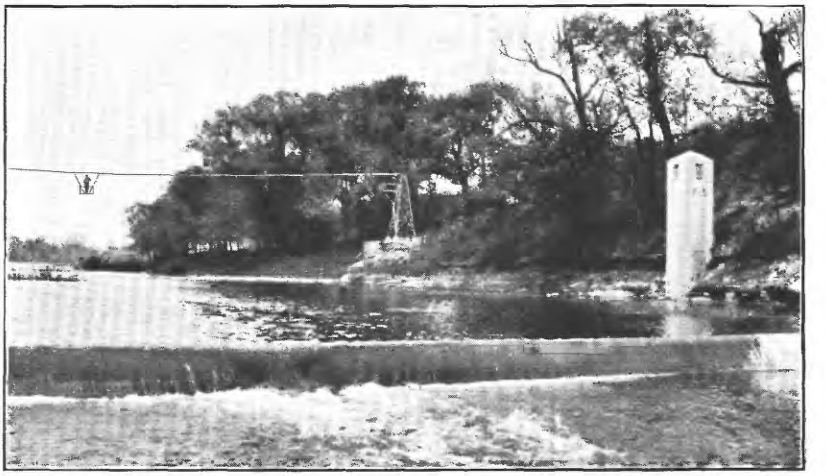
In the table of monthly discharge the column headed "Second-foot-days" gives the sum for each month of the discharge given in the table of daily discharge. The column headed "Maximum" gives the maximum daily discharge and not the discharge when the water surface was at crest height. Likewise, in the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

ACCURACY OF FIELD DATA AND COMPUTED RESULTS

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

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

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



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

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

TYPICAL RIVER-MEASUREMENT STATIONS.

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

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

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

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

PUBLICATIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Report	Character of data	Year
W 35 to 39...	Descriptions, measurements, gage heights, and ratings....	1899.
21st A, pt. 4	Monthly discharge.....	1899.
W 47 to 52...	Descriptions, measurements, gage heights, and ratings....	1900.
22d A, pt. 4.	Monthly discharge.....	1900.
W 65, 66.....	Descriptions, measurements, gage heights, and ratings....	1901.
W 75.....	Monthly discharge.....	1901.

Note.- The reports which contain records after 1901 are given in the table on page 12.

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

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

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

(For basins included see p. 9)

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

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

The following table contains a list of gaging stations for the area covered by this report at which records of discharge were collected during the year ending September 30, 1935, by agencies other than the Geological Survey. The records for these stations are not contained in the publications of the Geological Survey. The last column in the table indicates where the records are available.

Records of discharge collected by agenciee other than the Geological Survey

Stream	Location	Period	Operated by	Remarks
Bear Creek.....	Near Irwin, Idaho.....	1934-35	U. S. Bureau of Reclamation	Unpublished.....
Buckland Springs	Near Chokecherry, Idaho	..do...	...do.....	...do.....
Buffalo River...	Near Island Park, Idaho	1935	...do.....	...do.....
Bully Creek.....	Vale, Oreg.....	1933-35	Oregon State engineer	...do.....
Burns Creek.....	Near Chokecherry, Idaho	1934	U. S. Bureau of Reclamation	...do.....
Burnt River.....	Bridgeport, Oreg.....	1931-35	Oregon State engineer	...do.....
Crow Creek.....	Near Island Park, Idaho	1935	U. S. Bureau of Reclamation	...do.....
Fall Creek.....	Near Swan Valley, Idaho	1934-35	...do.....	...do.....
Fisher Springs..	Near Chokecherry, Idaho	1935	...do.....	...do.....
Grizzly Springs.	Near Island Park, Idaho	1935	...do.....	...do.....
Henrys Fork.....	DeWiners, near Island Park, Idaho	..do...	...do.....	...do.....
...do.....	Near Macks Inn, Idaho..	..do...	...do.....	...do.....
Hotel Creek.....	Near Island Park, Idaho	1935	U. S. Bureau of Reclamation	...do.....
Icehouse Creek..	...do.....	..do...	...do.....	...do.....
Jordan Creek....	9 miles west of Jordan Valley, Oreg.	1930-31, 1933-35	Oregon State engineer	...do.....
Malheur River...	Namorf, Oreg.....	*1929-35	...do.....	1929-30 published in Bulletin 8, Oregon State engineer; 1930-35 unpublished.
North Fork of Malheur River	Juntura, Oreg.....	*1926-32, 1935	...do.....	1926-30 published in Bulletin 8, Oregon State engineer; 1930-32, 1935 unpublished.
Moose Springs...	Near Island Park, Idaho	1935	U. S. Bureau of Reclamation	Unpublished.....
Palisade Creek..	Near Irwin, Idaho.....	1934-35	...do.....	...do.....
Pine Creek.....	Near Swan Valley, Idaho	..do...	...do.....	...do.....
Rainy Creek.....	...do.....	..do...	...do.....	...do.....
Sheep Creek.....	Near Island Park, Idaho	1935	...do.....	...do.....
Sheridan Creek..	...do.....	..do...	...do.....	...do.....
Snake River.....	Burns Creek near Chokecherry, Idaho	..do...	...do.....	...do.....
...do.....	Calamity Point near Irwin, Idaho	1934-35	...do.....	...do.....
...do.....	Dry Canyon near Swan Valley, Idaho	..do...	...do.....	...do.....
...do.....	Near Irwin, Idaho.....	1935	...do.....	...do.....
Teton River.....	Near Driggs, Idaho.....	..do...	...do.....	...do.....
Wallowa River...	Below Wallowa Lake, Oreg.	1926-35	Oregon State engineer	1926-30 published in Bulletin 8, Oregon State engineer; 1930-35 unpublished.
Yale Creek.....	Near Island Park, Idaho	1935	U. S. Bureau of Reclamation	Unpublished.....

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

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 Washington with the State Department of Conservation and Development, E. F. Banker, director, and C. J. Bartholet, supervisor of hydraulics; in Oregon with the State engineer, Charles E. Stricklin; and in Wyoming with the State engineer, E. W. Burrit.

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

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

DIVISION OF WORK

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 lake outlet at Moran. Zero of gage is 6,700 feet above mean sea level.

Records available.- June 1909 to September 1935. Records for 1909 and 1910 fragmentary.

Remarks.- Jackson Lake impounds water for the 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,850	33,540	60,030	85,910	115,690	137,820	163,420	208,560	382,490	708,300	519,330	218,010
2	6,380	34,410	60,740	86,450	116,620	138,570	164,590	210,570	395,140	709,770	507,010	213,790
3	7,740	35,460	61,450	86,990	117,550	139,330	165,960	212,780	404,750	711,000	494,320	210,570
4	8,600	36,520	62,170	87,530	118,480	140,080	167,320	214,800	413,020	711,980	480,720	206,950
5	9,290	37,750	62,680	88,070	119,410	140,650	168,690	217,010	422,480	712,720	466,740	203,940
6	9,800	38,630	63,590	89,170	120,340	141,220	169,860	219,020	433,980	713,210	453,050	199,950
7	10,320	39,510	64,310	90,090	121,270	141,780	171,610	222,230	446,910	713,460	439,630	195,990
8	10,830	40,390	65,020	91,010	122,750	142,350	173,560	225,900	461,240	713,210	425,410	191,040
9	11,520	41,450	65,550	91,740	124,060	142,920	174,730	228,150	476,820	712,470	411,460	185,500
10	12,040	42,500	66,270	92,470	124,610	143,670	175,700	231,200	493,660	711,250	397,820	179,990
11	12,550	43,380	66,800	93,570	125,170	144,440	176,680	233,860	509,600	708,540	384,260	175,510
12	13,070	44,090	67,340	94,490	125,740	145,390	177,650	238,140	526,540	704,660	370,530	171,420
13	13,580	44,970	67,870	95,400	126,680	146,160	178,630	242,830	542,890	699,950	357,590	167,520
14	14,790	45,850	68,410	96,320	127,630	147,120	179,410	245,720	563,080	694,810	344,700	162,840
15	16,160	46,730	69,120	97,420	128,760	147,890	180,580	248,210	578,890	688,470	331,460	157,860
16	18,060	47,610	70,010	98,700	129,700	148,850	181,750	251,720	594,540	681,150	317,690	153,640
17	18,760	48,490	70,730	100,530	130,270	149,610	183,320	254,410	603,100	674,570	306,730	147,890
18	19,460	49,370	71,460	102,550	130,840	150,380	184,510	259,370	612,650	666,080	296,330	142,160
19	20,670	50,250	72,180	103,650	131,400	151,150	185,890	263,710	622,200	657,360	286,570	137,630
20	21,540	51,130	72,900	104,560	131,970	152,110	187,480	268,530	632,700	648,160	280,260	132,910
21	22,240	52,010	73,620	105,480	132,530	153,060	189,260	275,020	642,390	638,300	273,980	128,000
22	22,930	52,900	74,530	106,390	133,290	153,830	190,840	282,150	652,760	627,960	267,480	123,500
23	24,150	53,790	75,790	107,320	134,040	154,600	192,820	291,240	662,450	617,910	261,440	119,590
24	25,370	54,680	77,240	108,250	134,610	155,360	194,800	300,990	672,620	607,400	255,440	117,550
25	27,110	55,390	78,680	109,180	135,180	156,320	196,780	312,100	680,910	597,620	251,720	115,880
26	28,150	56,280	80,130	110,110	135,740	157,470	198,370	323,690	687,740	586,710	248,410	114,570
27	28,850	57,000	81,390	111,040	136,310	158,430	199,950	334,710	693,830	576,040	244,280	113,830
28	29,720	57,710	82,660	111,970	137,060	159,390	201,930	345,780	698,480	565,680	239,360	113,270
29	30,590	58,600	83,740	112,900	-	160,350	203,940	354,740	702,900	555,070	234,880	113,270
30	31,450	59,310	84,460	113,830	-	161,500	205,950	362,850	706,580	543,360	229,780	113,270
31	32,500	-	85,180	114,760	-	162,460	-	371,860	-	531,430	223,450	-

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 1935.

Average discharge.- 32 years, 1,450 second-feet.

Extremes.- Maximum discharge during year, 8,320 second-feet Aug. 6 (gage height, 7.43 feet); minimum, 10 second-feet Dec. 7-20 (gage height, -0.01 foot).
1903-35: 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 excellent. Gates at dam were closed Oct. 1 to June 26. Staff gage read once daily Oct. 1 to June 27; water-stage recorder used during remainder of year. Flow controlled by operation of outlet gates at Jackson Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	17	14	11	12	11	12	12	59	28	2,130	7,660	2,790
2	16	14	11	12	11	12	12	46	30	2,250	7,840	2,310
3	14	14	11	12	11	12	12	40	28	2,510	8,040	2,170
4	14	14	11	11	11	12	12	38	28	2,520	8,200	1,970
5	13	14	11	11	11	12	14	38	25	2,530	8,260	2,130
6	13	14	11	11	11	12	14	43	25	2,530	8,260	2,440
7	13	14	10	11	11	12	14	43	25	2,580	8,240	2,770
8	13	14	10	11	12	12	15	33	25	2,640	8,200	3,110
9	13	13	10	11	12	12	15	30	46	2,670	8,160	3,110
10	13	13	10	11	11	12	17	41	95	3,220	8,040	2,740
11	13	13	10	11	11	12	17	35	101	3,730	7,870	2,460
12	13	13	10	11	11	12	18	33	178	4,210	7,760	2,490
13	13	13	10	11	11	12	18	30	288	4,660	7,590	2,550
14	14	13	10	11	11	12	20	28	305	5,060	7,480	2,570
15	16	13	10	11	11	12	22	25	279	5,380	7,360	2,630
16	16	12	10	11	11	12	23	24	184	5,650	7,100	2,940
17	14	12	10	11	11	12	25	24	118	5,940	6,640	3,160
18	14	12	10	11	11	12	26	22	101	6,220	6,030	3,020
19	15	12	10	11	11	12	29	23	104	6,490	4,800	2,770
20	15	12	10	11	11	12	30	24	109	6,720	3,880	2,650
21	15	12	12	11	11	12	33	25	112	6,850	3,800	2,580
22	15	12	12	11	12	12	33	28	118	7,020	3,840	2,440
23	15	12	12	11	12	12	36	30	118	6,890	3,720	2,330
24	15	12	12	11	12	12	36	33	118	6,680	2,730	1,610
25	15	12	12	11	12	12	41	30	90	6,750	2,050	954
26	14	12	12	11	12	12	46	30	44	6,770	2,190	860
27	14	12	12	11	12	12	46	29	1,040	6,750	2,690	778
28	14	12	12	11	12	12	63	28	1,890	6,900	2,760	383
29	14	12	12	11	-	12	72	28	1,890	7,150	3,070	340
30	14	11	12	11	-	12	63	28	2,010	7,400	3,470	305
31	14	-	12	11	-	12	-	28	-	7,570	3,370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	441	17	13	14.2	875
November	382	14	11	12.7	758
December	338	12	10	10.9	670
Calendar year 1934	411,712	5,760	10	1,128	815,900
January	344	12	11	11.1	682
February	317	12	11	11.3	629
March	372	12	12	12.0	738
April	834	72	12	27.8	1,650
May	996	59	22	32.1	1,980
June	9,552	2,010	25	318	18,950
July	156,370	7,570	2,130	5,044	310,200
August	181,100	8,260	2,050	5,842	359,200
September	65,360	3,160	305	2,179	129,600
Water year 1934-35	416,406	8,260	10	1,141	825,900

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 1935 (no winter records 1914-24).

Average discharge.- 15 years (1910-14, 1924-35), 6,660 second-feet.

Extremes.- Maximum discharge during year, 21,600 second-feet June 15 (gage height, 7.50 feet); minimum, 1,210 second-feet Jan. 22 (gage height, 1.15 feet), due to ice gorge upstream.

1910-35: Maximum discharge, about 60,000 second-feet May 19, 1927 (gage height, about 16.0 feet); minimum, that of Jan. 22, 1935.

Remarks.- Records good. Discharge estimated Dec. 6-17, Jan. 1-8, 15-21, Jan. 23 to Feb. 1, Feb. 4-9, owing to ice, and interpolated Nov. 25-30, Dec. 2, 4, and Apr. 5. Station above all irrigation diversions from main river except Riley Ditch (capacity, about 30 second-feet), which diverts 1 mile above gage. About 150,000 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,530	2,090	1,950		1,770	1,680	1,970	7,090	12,300	13,000	11,900	6,320
2	2,340	2,120	1,870		1,800	1,680	1,930	6,630	12,100	12,100	11,800	6,030
3	2,160	2,140	1,790		1,660	1,720	1,920	6,220	12,000	11,800	11,800	5,450
4	2,110	2,120	1,800			1,820	2,030	5,930	11,600	12,100	11,900	5,180
5	2,060	2,090	1,800	1,790		1,800	*2,070	6,110	11,900	12,100	12,100	5,080
6	2,030	2,080				1,790	2,100	6,890	13,000	11,700	12,000	4,830
7	2,010	2,090			1,750	1,790	2,060	7,270	14,300	11,500	11,900	5,250
8	2,010	2,090				1,850	2,040	7,060	15,600	11,400	11,800	5,350
9	1,980	2,080		1,790		1,690	2,170	7,060	17,100	11,300	11,800	5,730
10	1,980	2,060		1,770	1,800	1,630	2,260	7,480	18,500	10,900	11,600	5,760
11	1,980	2,040	1,840	1,770	1,720	1,660	2,310	7,980	19,000	10,900	11,300	5,630
12	1,950	2,000		1,770	1,660	1,680	2,590	7,880	19,300	11,300	11,100	5,130
13	1,950	1,960		1,800	1,720	1,690	2,900	7,480	20,100	11,300	11,000	5,110
14	1,960	1,950		1,720	1,770	1,770	3,400	6,920	21,400	11,600	10,800	5,110
15	2,060	1,930			1,680	2,040	4,290	6,600	21,200	11,800	10,700	5,150
16	2,240	1,920			1,580	2,110	5,050	6,860	19,400	11,900	10,500	5,160
17	2,120	1,920			1,650	1,960	5,130	7,420	17,100	12,300	10,300	5,230
18	2,140	1,980	1,880	1,720	1,720	1,920	5,130	8,170	15,000	12,400	10,200	5,550
19	2,120	2,060	1,850		1,770	1,900	5,520	8,330	13,800	12,400	9,720	5,500
20	2,160	2,080	1,880		1,740	1,840	6,630	8,560	13,900	12,400	8,590	5,280
21	2,110	2,030	1,900		1,790	1,880	7,880	8,860	14,400	12,400	7,510	5,060
22	2,080	1,960	1,880	1,720	1,800	1,900	8,360	9,970	14,100	12,400	7,180	5,040
23	2,090	1,960	1,880		1,790	1,820	7,720	11,600	14,100	12,400	7,210	4,990
24	2,120	1,960	1,850		1,770	1,760	6,300	13,100	14,500	12,200	7,270	5,010
25	2,310		1,800		1,710	1,770	5,710	13,500	14,100	11,700	6,780	4,830
26	2,360		1,760	1,750	1,690	1,850	5,970	13,900	12,600	11,500	5,630	3,970
27	2,280	1,950	1,800		1,690	1,870	7,150	14,000	11,500	11,500	5,400	3,670
28	2,210		1,850		1,680	1,790	7,420	14,200	11,800	11,400	5,680	3,590
29	2,160		1,840		-	1,800	6,890	13,100	12,900	11,400	5,780	3,400
30	2,120		1,840		-	1,900	7,120	11,800	13,300	11,600	5,860	3,150
31	2,110	-	1,790		-	1,960	-	12,500	-	11,600	6,350	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	65,840	2,530	1,950	2,120	130,600
November	60,410	2,140	1,920	2,010	119,800
December	57,090	1,950	1,760	1,840	113,200
Calendar year 1934	1,453,080	13,400	1,760	3,981	2,882,000
January	54,450	-	-	1,756	108,000
February	48,460	1,800	1,580	1,731	96,120
March	56,320	2,110	1,630	1,817	111,700
April	133,560	8,360	1,920	4,452	264,900
May	280,460	14,200	5,920	9,047	556,300
June	451,900	21,400	11,500	15,060	896,300
July	366,300	13,000	10,900	11,820	726,500
August	293,460	12,100	5,400	9,466	582,100
September	150,520	6,320	3,150	5,017	298,600
Water year 1934-35	2,018,770	21,400	1,580	5,531	4,004,000

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

Between Heise and Shelley gaging stations, 50 separate canals divert water from Snake River for irrigation; 40 divert above mouth of Henrys Fork and 10 below. Records showing combined discharge of all canals during a part of each irrigation season from 1919 to 1935 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								508	5,550	8,160	7,130	5,120
2								506	5,550	8,030	7,000	5,060
3								542	5,560	8,040	6,400	5,340
4								847	5,720	7,850	6,650	5,190
5								860	6,070	7,570	6,230	4,580
6								862	6,470	7,490	6,250	4,420
7								904	6,950	7,440	6,230	4,620
8								935	7,400	7,460	6,220	4,550
9								1,060	8,000	7,610	5,940	4,900
10								1,200	8,070	7,840	5,850	5,220
11								1,300	8,500	7,750	5,790	5,100
12								1,360	8,970	7,940	5,790	4,450
13								1,430	9,190	7,910	5,990	4,580
14								1,580	9,180	7,950	5,630	4,380
15								1,680	9,190	8,160	5,200	4,030
16								1,770	9,180	8,210	5,100	4,430
17								1,930	9,120	8,150	4,660	4,460
18								2,020	9,260	8,110	4,540	4,240
19								2,150	9,310	8,130	5,120	4,280
20								2,280	8,810	7,940	5,760	3,890
21								2,420	8,580	7,860	5,400	4,160
22								2,690	8,520	7,780	5,200	4,230
23								2,820	8,430	7,660	5,230	4,610
24								3,330	8,420	7,570	5,160	4,470
25								3,590	8,420	7,620	4,850	4,230
26								4,120	8,520	7,660	4,630	3,880
27								4,680	8,540	7,720	4,640	3,720
28								5,470	8,620	7,310	4,740	3,780
29								5,400	8,650	7,240	5,130	3,700
30								5,500	8,340	7,190	5,310	3,230
31								5,450	-	7,080	4,960	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year 1934					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	71,214	5,500	506	2,297	141,300
June	241,090	9,310	5,550	8,036	478,200
July	240,430	8,210	7,080	7,756	476,900
August	172,730	7,130	4,540	5,572	342,600
September	133,050	5,340	3,230	4,435	263,900
The period	-	-	-	-	1,702,900

Note.- Discharge includes that 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 1935.

Extremes.- Maximum discharge during year, 15,100 second-feet June 16 (gage height, 9.32 feet): minimum, 288 second-feet Nov. 5 (gage height, 2.22 feet).
1915-35: Maximum discharge, 47,200 second-feet June 17, 1918 (gage height, 16.97 feet); minimum, that of Nov. 5, 1934.

Remarks.- Records excellent except those for period of ice effect, Dec. 1 to Mar. 24, which are fair. Discharge interpolated Apr. 14 and July 15. Flow regulated by numerous canal diversions above station and by storage in Jackson Lake.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,360	625	1,360	1,410	1,790	1,730	2,100	6,930	9,440	5,990	4,950	2,220
2	1,270	455	1,240	1,360	1,770	1,980	2,080	6,900	9,560	5,950	5,120	2,420
3	1,170	491	1,630	1,230	1,760	1,850	2,100	6,380	9,820	5,180	5,240	2,420
4	1,060	413	1,420	1,230	1,750	1,940	2,080	5,950	10,100	5,030	5,480	1,840
5	936	350	1,390	1,240	1,670	1,810	2,120	5,540	9,520	5,700	5,920	1,710
6	882	389	1,300	1,500	1,660	2,010	2,170	5,830	9,040	5,610	6,220	1,880
7	850	376	1,280	1,900	1,830	1,870	2,200	6,690	9,300	5,300	6,150	1,690
8	865	410	1,230	1,710	1,940	1,840	2,130	7,180	9,710	5,150	6,020	2,060
9	894	730	1,190	2,020	2,120	1,890	2,240	7,070	10,400	4,830	6,020	2,390
10	906	765	1,230	1,850	2,120	1,890	2,240	6,820	8,040	4,320	5,950	2,060
11	900	740	1,250	1,850	2,010	1,840	2,260	7,390	12,400	3,800	5,950	1,830
12	990	900	1,340	1,710	1,870	1,820	2,160	7,790	12,300	3,820	5,990	1,820
13	918	900	1,430	1,660	1,660	1,880	2,170	7,930	12,400	3,940	5,670	1,880
14	924	870	1,630	1,770	1,700	2,030	2,300	7,540	13,400	3,870	5,730	1,810
15	948	845	1,710	1,620	1,770	2,220	2,580	6,720	14,500	3,980	5,730	1,970
16	1,020	840	1,960	1,480	1,810	2,290	3,310	6,150	14,700	4,090	5,950	2,270
17	1,120	845	1,870	1,450	1,790	2,390	4,500	6,020	12,800	4,450	5,890	2,030
18	1,050	855	1,990	1,400	1,810	2,360	4,690	6,690	10,200	4,630	6,050	2,290
19	997	865	1,990	1,230	1,790	2,290	4,520	7,650	8,040	4,750	5,920	2,660
20	972	870	1,890	1,120	1,870	2,230	4,630	7,830	6,690	4,750	5,120	2,680
21	930	972	1,860	1,130	1,850	2,230	5,450	8,080	6,620	4,980	4,120	2,400
22	954	865	1,840	1,070	1,890	2,130	6,860	8,410	7,140	5,150	3,270	2,090
23	972	1,060	1,830	978	1,960	2,190	7,570	9,330	7,110	5,270	3,250	2,170
24	954	1,040	1,750	972	2,060	2,190	6,960	10,700	7,180	5,360	3,370	1,960
25	972	1,030	1,730	1,430	1,890	2,100	5,920	11,900	7,390	5,300	3,480	2,080
26	1,050	1,110	1,730	1,580	1,840	2,170	5,300	12,400	7,140	4,690	3,330	2,020
27	997	1,190	1,730	1,940	1,750	2,150	5,390	12,600	5,830	4,370	2,440	1,560
28	960	1,150	1,670	1,890	1,690	2,100	6,380	11,800	4,610	4,320	2,150	1,320
29	918	1,310	1,610	1,850	-	2,060	6,820	11,400	4,260	4,630	2,160	1,350
30	790	1,540	1,540	1,810	-	1,930	6,520	10,400	5,210	4,800	1,970	1,400
31	755	-	1,480	1,790	-	2,220	-	8,890	-	4,830	1,810	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	30,284	1,360	755	977	60,070
November	24,801	1,540	350	827	49,190
December	49,100	1,990	1,190	1,584	97,390
Calendar year 1934	653,742	6,310	350	1,791	1,296,000
January	47,180	2,020	972	1,522	93,580
February	51,420	2,120	1,660	1,836	102,000
March	63,630	2,390	1,730	2,053	126,200
April	117,750	7,570	2,080	3,925	233,600
May	252,910	12,600	5,540	8,158	501,600
June	274,850	14,700	4,260	9,162	545,200
July	148,840	5,990	3,800	4,801	295,200
August	146,420	6,220	1,810	4,723	290,400
September	60,280	2,680	1,320	2,009	119,600
Water year 1934-35	1,267,485	14,700	350	3,473	2,514,000

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 during a part of each irrigation season from 1919 to 1935 are available.

Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								956	3,050	3,540	2,440	1,550
2								959	2,990	3,440	2,410	1,600
3								975	2,960	3,360	2,440	1,210
4								969	2,980	3,350	2,320	1,500
5								1,060	3,040	3,300	2,040	1,390
6								1,070	3,150	3,440	1,940	1,260
7								1,200	3,320	3,450	1,930	1,180
8								1,500	3,430	3,480	2,320	1,170
9								1,600	3,470	3,460	2,350	1,350
10								1,750	3,600	3,460	1,970	1,330
11								2,000	3,670	3,430	1,930	963
12								2,110	3,730	3,380	1,740	595
13								2,290	3,810	3,470	1,180	624
14								2,460	3,820	3,470	1,080	568
15								2,700	3,740	3,350	1,020	634
16								2,790	3,700	3,300	1,040	745
17								2,770	3,640	3,240	1,240	1,010
18								2,760	3,610	3,190	1,500	786
19								2,630	3,700	3,210	1,930	677
20								2,540	3,540	2,830	1,840	1,170
21								2,550	3,560	2,880	1,750	1,150
22								2,570	3,510	3,210	2,090	1,060
23								2,660	3,500	3,020	1,830	1,140
24								2,750	3,490	3,020	1,370	986
25								2,760	3,470	2,720	1,450	1,030
26								2,800	3,460	1,840	1,280	959
27								3,070	3,400	1,820	1,080	1,020
28								3,080	3,450	1,740	652	822
29								2,680	3,460	1,730	1,080	672
30								2,910	3,550	1,790	1,070	1,000
31								3,080	-	2,370	1,370	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	67,999	3,080	956	2,194	134,900
June	103,800	3,820	2,960	3,460	205,900
July	93,290	3,540	1,730	3,009	185,000
August	51,682	2,440	652	1,667	102,500
September	31,351	1,600	568	1,045	62,180
The period	-	-	-	-	690,500

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 1935.

Extremes.- Maximum discharge during year, 10,800 second-feet June 16 (gage height, 7.07 feet); minimum, 111 second-feet Nov. 10 (gage height, 0.80 foot).
1910-35: Maximum discharge, 46,200 second-feet June 18, 1918 (gage height, 14.80 feet); minimum, that of Nov. 10, 1934.

Remarks.- Records excellent. Discharge interpolated Oct. 7-10, Dec. 6-7, Jan. 21, and Sept. 22. Flow regulated by storage in Jackson Lake and Blackfoot-Marsh Reservoirs. Numerous irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	152	134	1,020	996	1,180	1,210	1,400	5,360	5,820	2,080	2,010	359
2	155	127	848	896	1,130	1,420	1,230	5,680	6,440	2,460	2,240	303
3	161	122	716	816	1,070	1,630	1,180	5,290	6,640	1,930	2,290	497
4	152	122	1,120	674	1,050	1,510	1,190	4,950	6,960	1,530	2,460	660
5	147	122	920	765	1,040	1,450	1,100	4,440	6,580	1,910	2,880	299
6	147	122	885	840	1,060	1,360	1,110	4,380	5,580	2,070	3,600	233
7	151	122	850	969	1,090	1,400	1,090	4,840	5,270	1,730	3,770	399
8	155	117	816	1,420	1,230	1,420	1,530	5,340	5,490	1,520	3,540	383
9	159	115	709	1,390	1,330	1,250	1,600	5,380	6,030	1,310	3,200	737
10	163	111	674	1,440	1,420	1,420	1,680	5,050	6,910	996	3,320	730
11	166	117	730	1,400	1,390	1,370	1,650	4,800	7,670	538	3,540	458
12	166	119	744	1,470	1,310	1,370	1,440	5,270	7,840	303	3,660	582
13	179	115	808	1,160	1,270	1,470	1,030	5,490	7,810	261	4,140	751
14	185	117	1,100	1,070	1,100	1,660	1,020	5,180	8,220	326	4,060	800
15	185	129	1,210	1,230	1,080	1,840	1,230	4,260	9,560	409	4,200	702
16	179	122	1,310	969	1,110	1,980	1,570	3,410	10,600	458	4,340	880
17	179	119	1,560	864	1,100	2,100	2,750	3,000	9,800	515	4,420	896
18	172	127	1,430	856	1,110	2,080	3,430	3,490	7,560	856	3,900	620
19	166	136	1,480	864	1,120	1,790	3,390	4,670	5,100	1,030	4,000	1,100
20	166	141	1,570	544	1,150	1,690	3,360	5,270	3,380	1,190	3,520	896
21	161	134	1,470	458	1,370	1,650	3,750	5,470	2,820	1,500	2,680	978
22	158	136	1,460	373	1,400	1,700	4,880	5,520	3,340	1,570	1,730	622
23	155	139	1,400	388	1,520	1,640	6,190	6,050	3,410	1,620	1,040	667
24	175	158	1,340	404	1,480	1,630	6,310	6,880	3,430	1,890	1,270	723
25	179	152	1,240	430	1,360	1,540	5,470	8,080	3,580	1,930	1,680	532
26	175	169	1,250	824	1,130	1,430	4,530	8,880	3,580	2,540	1,690	509
27	188	198	1,370	1,330	1,130	1,340	4,100	8,990	2,680	2,240	1,420	458
28	172	286	1,380	1,450	1,140	1,300	4,650	8,450	1,430	2,070	1,200	317
29	158	627	1,270	1,350	-	1,280	5,430	8,190	730	2,320	1,050	290
30	161	808	1,160	1,330	-	1,440	5,380	7,650	1,040	2,340	793	245
31	144	-	1,030	1,250	-	1,380	-	5,980	-	2,110	634	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,111	188	144	165	10,140
November	5,263	808	111	175	10,440
December	34,870	1,570	674	1,125	69,160
Calendar year 1934	269,660	2,760	111	739	535,100
January	30,220	1,470	373	975	59,940
February	33,870	1,520	1,040	1,210	67,180
March	47,750	2,100	1,210	1,540	94,710
April	84,670	6,310	1,020	2,822	167,900
May	175,690	6,990	3,000	5,667	348,500
June	165,300	10,600	730	5,510	327,900
July	45,552	2,540	261	1,469	90,350
August	84,277	4,420	634	2,719	167,200
September	17,826	1,100	233	594	35,360
Water year 1934-35	730,399	10,600	111	2,001	1,449,000

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 1935.

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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	33,120	17,990	75,380	255,080	403,160	575,280	746,710	963,500	966,000	822,920	388,360	177,520
2	32,380	17,500	82,130	259,620	408,050	581,640	749,160	974,770	967,260	811,060	377,850	166,650
3	30,830	18,540	88,500	263,950	413,440	587,780	754,160	963,530	970,590	799,200	366,840	156,290
4	29,610	19,970	95,200	268,710	418,630	594,970	759,560	987,820	973,100	786,970	353,130	146,290
5	27,980	21,180	101,620	271,520	424,410	600,910	761,730	990,830	975,600	778,320	344,580	136,300
6	27,330	21,890	107,950	275,290	430,190	609,040	766,940	993,630	977,270	765,690	335,220	126,500
7	26,510	22,320	114,460	279,960	437,020	614,980	776,510	999,410	972,680	754,880	327,630	115,980
8	27,000	23,170	120,090	284,640	443,360	619,450	782,640	1,002,410	968,920	741,440	321,220	105,670
9	26,350	24,950	126,020	290,200	449,820	625,570	791,050	1,004,560	965,590	728,100	316,040	99,200
10	25,590	26,670	131,620	296,050	456,010	630,410	798,830	999,340	963,080	712,050	308,230	92,920
11	25,170	28,630	137,140	301,560	463,290	635,240	806,610	1,001,990	961,830	698,730	302,710	87,170
12	24,310	30,750	142,730	306,620	469,490	640,070	812,910	999,410	959,330	683,020	298,580	83,330
13	23,600	32,550	148,490	312,590	476,400	645,870	816,990	1,002,410	957,660	667,710	294,210	79,080
14	23,170	33,850	154,510	317,900	482,760	651,770	822,550	1,001,990	954,740	651,770	289,090	75,990
15	22,460	34,460	161,290	322,890	488,570	655,420	827,460	999,840	952,230	633,950	284,640	69,740
16	22,390	34,730	167,540	328,580	494,100	663,720	830,510	995,120	954,740	614,960	281,300	63,490
17	21,890	34,920	174,140	333,330	499,430	669,700	838,510	988,680	954,740	599,350	278,850	57,980
18	21,320	35,280	181,460	339,020	504,840	676,340	848,420	982,280	955,990	582,550	275,960	52,880
19	21,250	35,930	187,280	343,360	510,260	683,020	857,950	979,360	950,980	566,800	272,170	47,060
20	21,180	36,390	193,450	348,250	515,950	688,140	867,630	975,180	943,890	554,690	269,570	43,580
21	21,110	36,660	201,090	352,890	522,220	694,970	873,910	971,850	935,330	537,970	265,030	43,100
22	21,750	36,390	206,960	356,550	529,460	697,710	884,100	970,590	925,220	524,210	259,400	42,460
23	21,820	38,960	213,200	359,970	537,670	706,930	896,650	966,420	912,280	509,690	251,620	42,740
24	21,890	43,100	218,490	363,140	545,590	712,050	914,300	965,170	900,970	492,720	248,010	43,100
25	22,600	46,550	225,210	366,590	551,170	716,150	927,250	962,660	893,520	481,660	245,690	45,730
26	22,740	50,940	228,870	370,090	557,420	718,270	937,350	965,170	885,670	470,320	242,960	46,850
27	21,750	55,060	235,590	374,850	563,470	725,640	943,890	968,090	875,870	457,090	236,430	46,850
28	21,180	60,010	241,060	380,100	569,530	729,150	948,480	968,510	864,890	443,630	225,620	45,120
29	21,820	64,840	244,850	385,610	-	729,150	950,980	969,340	848,800	432,030	214,420	44,100
30	20,610	70,110	247,370	391,390	-	737,580	954,320	969,340	834,700	419,680	200,890	45,220
31	19,470	-	250,750	397,280	-	739,680	-	969,760	-	404,970	187,840	-

Note.- Contents on Sept. 30, 1934, was 32,300 acre-feet.

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 1935.

Extremes.- Maximum discharge during year, 11,900 second-feet July 17 (gage height, 5.93 feet); minimum, 158 second-feet Dec. 6, 7, and 12 (gage height, 0.90 foot).
1906-35: 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,730	3,290	458	1,500	876	710	1,610	4,110	8,210	10,900	11,500	8,510
2	3,290	2,520	458	1,390	876	710	1,770	3,600	7,910	10,800	11,200	8,130
3	3,270	2,310	443	1,300	768	724	1,720	3,320	7,960	10,100	11,000	7,830
4	3,200	2,070	385	1,360	874	724	1,740	3,930	7,960	9,740	10,500	7,660
5	3,160	2,510	388	1,260	702	730	1,450	4,650	8,210	9,870	10,200	8,040
6	3,160	2,490	371	1,270	701	724	722	5,200	8,940	10,300	9,960	8,430
7	2,260	2,490	410	1,300	694	1,100	578	5,530	9,520	10,600	9,520	8,080
8	3,120	2,030	415	1,310	516	1,380	578	5,970	9,820	10,800	8,990	7,450
9	3,090	1,800	425	1,220	507	1,340	571	6,540	9,960	10,900	8,810	5,930
10	3,070	1,840	427	1,160	502	1,380	478	7,540	10,300	11,100	8,770	6,020
11	3,010	1,560	430	1,170	486	1,380	544	7,750	10,600	11,000	8,730	5,530
12	3,070	1,840	420	1,170	496	1,330	825	7,540	10,900	11,000	8,510	5,080
13	3,070	1,890	432	1,170	609	1,320	930	7,750	11,000	10,900	8,380	5,000
14	3,030	2,170	433	1,170	648	1,370	930	8,260	11,000	11,000	8,380	5,410
15	3,050	2,630	502	1,180	646	1,320	930	8,640	11,200	11,300	8,640	6,150
16	3,010	2,610	529	1,180	822	1,320	940	8,770	11,500	11,600	8,510	6,160
17	3,000	2,690	675	1,180	882	1,340	1,070	9,080	11,600	11,900	8,300	6,130
18	2,960	2,340	902	1,250	882	1,300	1,120	9,380	11,000	11,500	8,300	6,050
19	2,950	2,730	1,190	1,160	882	1,300	1,020	9,520	10,600	11,200	8,260	5,780
20	2,960	2,730	1,210	1,090	892	1,530	834	9,030	10,600	11,300	8,260	4,990
21	2,960	2,730	991	1,090	728	1,510	684	8,810	10,600	11,300	8,130	3,610
22	2,960	2,760	866	1,100	696	1,540	1,080	9,030	10,500	11,200	8,000	3,470
23	2,750	706	874	1,100	702	949	1,920	9,380	10,700	11,200	7,080	2,830
24	2,690	708	874	1,060	703	826	1,980	10,000	10,800	11,000	5,090	2,790
25	2,540	730	1,110	1,060	710	1,660	1,980	10,500	10,800	10,700	5,350	1,590
26	3,400	747	1,690	1,150	703	1,840	2,680	10,900	10,800	11,000	6,240	3,220
27	3,380	670	1,500	1,160	703	1,800	4,490	10,900	10,800	11,100	8,380	3,190
28	2,160	670	1,480	1,140	722	1,840	5,450	10,900	10,900	11,400	10,100	3,190
29	3,320	504	1,530	1,140	-	1,850	5,350	10,600	11,000	11,600	10,000	3,190
30	3,300	566	1,320	1,100	-	1,840	4,460	9,920	10,900	11,600	9,870	2,720
31	3,380	-	1,560	996	-	1,850	-	8,990	-	11,600	9,560	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	93,300	3,400	2,160	3,010	185,100
November	57,188	3,290	504	1,906	113,400
December	24,698	1,690	371	797	48,990
Calendar year 1934	1,385,546	9,370	371	3,796	2,749,000
January	36,886	1,500	996	1,190	73,160
February	19,928	892	486	712	39,530
March	40,537	1,850	710	1,308	80,400
April	50,634	5,450	478	1,688	100,400
May	246,040	10,900	3,320	7,937	488,000
June	306,590	11,600	7,910	10,220	608,100
July	341,510	11,900	9,740	11,020	677,400
August	272,520	11,500	5,090	8,791	540,500
September	162,160	8,510	1,590	5,405	321,600
Water year 1934-35	1,651,991	11,900	371	4,526	3,277,000

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 1935.

Remarks.- Lake Walcott floods 11,900 acres at gage height 45.13 feet and impounds 96,700 acre-feet between gage heights 36 and 45.13 feet for irrigation of lands on the Minidoka project of the U. S. Bureau of Reclamation. Considerable water is stored below gage height 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10,920	21,980	61,940	62,490	64,690	61,720	87,960	96,390	97,470	94,950	94,140	49,790
2	10,330	22,590	63,260	62,710	64,690	61,500	89,360	97,470	97,590	96,150	94,840	49,680
3	11,420	25,630	63,480	62,600	64,580	61,610	90,530	97,350	96,320	96,630	95,790	49,260
4	12,510	26,650	63,590	62,380	64,580	61,830	92,160	96,750	97,110	95,550	94,950	47,570
5	13,500	27,760	63,260	62,380	64,580	61,720	92,620	95,910	95,670	94,950	95,790	46,090
6	14,490	29,590	63,040	62,820	64,470	61,720	93,550	95,430	94,950	94,020	95,790	46,300
7	14,490	31,040	62,380	63,150	64,800	61,500	94,250	94,950	94,840	93,550	95,180	46,090
8	13,790	33,530	62,160	63,700	65,230	62,160	94,490	94,490	94,720	93,440	93,900	46,190
9	14,290	35,500	61,280	64,140	64,580	63,480	94,020	93,790	94,140	94,020	92,740	43,660
10	14,880	38,090	60,530	64,140	63,920	64,360	94,950	92,160	94,140	93,790	90,760	43,550
11	15,080	40,070	59,560	64,360	63,260	65,450	94,720	95,070	94,490	94,490	89,130	43,130
12	15,280	41,650	58,380	64,360	62,600	66,550	94,370	94,720	94,490	94,840	87,270	42,920
13	14,590	43,340	57,410	64,360	61,940	67,430	93,790	94,720	94,490	94,950	85,290	42,810
14	14,690	45,240	56,550	64,360	61,610	68,970	93,670	94,720	93,090	94,720	82,860	42,390
15	15,280	47,140	55,900	64,360	61,500	69,410	94,020	94,720	93,900	94,720	80,270	42,280
16	15,380	48,520	55,690	64,360	61,280	70,950	93,090	94,140	94,720	94,490	78,240	40,800
17	15,080	49,890	55,260	64,250	61,280	72,160	94,020	93,320	94,950	94,950	75,650	39,750
18	14,980	51,390	55,470	64,690	61,500	73,390	95,430	93,900	95,670	94,950	72,490	38,920
19	14,490	51,490	56,260	64,800	61,940	74,520	95,790	94,950	94,600	95,070	69,960	37,890
20	15,480	53,640	55,690	64,360	62,160	74,740	95,550	96,150	94,020	94,720	67,430	36,950
21	16,470	56,760	57,090	64,030	62,490	77,110	93,090	95,670	94,250	94,950	64,690	34,150
22	15,080	58,700	56,010	63,920	62,380	76,890	93,440	94,950	94,250	94,720	62,050	30,110
23	15,280	61,280	58,050	63,590	62,380	78,800	92,620	93,790	92,620	94,140	60,420	26,440
24	15,480	61,060	57,520	63,480	62,380	78,800	92,860	93,550	91,920	93,320	56,550	21,670
25	16,070	61,390	58,050	63,480	62,270	78,800	92,620	93,440	92,620	93,440	52,890	17,860
26	16,470	61,610	58,700	63,700	62,160	76,800	91,920	94,370	93,090	93,320	49,470	16,270
27	18,050	61,940	58,910	63,920	61,940	81,280	92,160	95,430	93,670	93,320	48,520	16,770
28	19,240	62,160	59,670	63,920	61,830	82,410	96,030	97,110	93,320	92,390	48,830	18,250
29	18,850	62,380	60,740	64,140	-	82,520	96,390	97,350	93,320	93,550	49,260	20,560
30	20,460	62,820	61,500	64,580	-	85,170	95,910	97,230	94,370	94,370	49,150	22,490
31	21,670	-	62,160	64,800	-	86,220	-	97,350	-	94,250	49,260	-

Note.- Contents on Sept. 30, 1934, was 11,220 acre-feet.

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 1935. Records prior to 1910 at Montgomery Ferry, 6 miles downstream.

Extremes.- Maximum discharge during year, 8,730 second-feet July 17 (gage height, 8.00 feet); minimum, 82 second-feet several hours each day Nov. 10-15 (gage height, 1.70 feet), owing to regulation.

1910-35: Maximum discharge, 45,900 second-feet June 21, 1918 (gage height, 16.02 feet); minimum, that of Nov. 10-15, 1934.

Remarks.- Records good. Discharge Nov. 10-11 and during period of ice effect Dec. 9 to Jan. 5, Jan. 15-31, estimated from Minidoka power-plant records. Flow regulated by storage at American Falls and Lake Walcott Reservoirs and by diversions 1 mile upstream for irrigation in Minidoka project.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,990	1,170	457	1,490	1,100	968	622	3,170	6,770	7,600	8,310	6,520
2	2,050	1,230	441	1,490	1,040	944	598	2,890	6,800	7,600	8,010	6,110
3	2,040	1,200	517	1,520	1,030	944	604	2,700	7,110	7,600	7,770	6,080
4	2,020	1,140	698	1,510	1,020	968	610	3,190	7,370	7,630	7,570	6,080
5	1,990	1,110	671	1,410	1,020	968	622	3,900	7,310	7,480	7,370	6,160
6	1,940	1,090	667	1,320	1,030	944	556	4,660	7,280	7,600	7,280	6,300
7	1,950	1,100	785	1,320	1,040	960	130	4,870	7,310	7,690	7,140	6,240
8	1,950	708	827	1,320	1,040	1,000	122	4,970	7,340	7,660	7,020	6,160
9	1,990	460	976	1,340	1,040	968	122	5,280	7,280	7,740	6,820	4,800
10	1,990	380	1,020	1,340	1,040	976	120	5,560	7,250	8,010	6,850	3,930
11	1,990	310	1,100	1,320	1,040	976	200	5,950	7,340	7,950	6,990	3,740
12	2,000	425	1,170	1,340	1,030	928	544	6,430	7,630	7,980	6,820	3,320
13	2,000	548	1,070	1,330	1,040	904	586	6,430	7,800	8,040	6,630	3,190
14	2,000	662	1,010	1,440	1,020	819	544	6,660	7,860	8,070	6,800	3,300
15	2,020	1,050	920	1,480	960	750	556	6,880	7,950	8,190	7,050	5,160
16	1,920	1,470	912	1,380	968	682	568	6,990	7,980	8,430	7,160	5,210
17	1,810	1,480	1,000	1,370	960	640	556	7,160	8,010	8,730	7,250	5,180
18	1,680	1,480	1,040	1,300	960	646	538	7,280	7,860	8,610	7,220	5,040
19	1,640	1,460	1,040	1,340	960	791	520	7,370	7,720	8,370	7,190	4,940
20	1,560	1,490	1,040	1,340	952	928	515	7,110	7,690	8,310	7,110	4,750
21	1,480	1,290	968	1,330	976	928	538	7,080	7,430	8,250	6,990	4,520
22	1,440	1,280	944	1,310	976	920	856	7,110	7,310	8,250	6,850	4,360
23	1,400	574	928	1,330	968	658	1,570	7,190	7,570	8,250	5,610	4,190
24	1,340	515	928	1,250	936	700	1,600	7,430	7,800	7,950	4,750	4,100
25	1,180	526	1,140	1,120	960	714	1,670	7,480	7,690	7,720	4,730	2,800
26	1,150	524	1,490	1,120	952	735	1,610	7,510	7,510	7,740	4,970	2,120
27	1,140	525	1,520	1,120	952	721	2,190	7,720	7,430	7,830	5,690	1,820
28	1,140	523	1,360	1,130	952	728	3,420	7,720	7,480	8,160	7,890	1,400
29	1,150	520	1,280	1,130	-	728	4,190	7,720	7,660	8,130	7,830	1,200
30	1,140	401	1,290	1,130	-	682	3,580	7,540	7,690	7,950	7,600	1,190
31	1,140	-	1,450	1,140	-	640	-	6,940	-	8,010	7,400	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	52,230	2,050	1,140	1,685	103,600
November	26,641	1,490	310	888	52,840
December	30,659	1,520	441	989	60,810
Calendar year 1934	1,163,370	7,250	310	3,187	2,308,000
January	40,810	1,520	1,120	1,316	80,950
February	27,962	1,100	936	999	55,460
March	25,858	1,000	640	834	51,290
April	30,457	4,190	120	1,015	60,410
May	190,890	7,720	2,700	6,158	378,600
June	225,230	8,010	6,770	7,508	446,700
July	247,530	8,730	7,480	7,985	491,000
August	214,670	8,310	4,730	6,925	425,800
September	129,910	6,520	1,190	4,330	257,700
Water year 1934-35	1,242,847	8,730	120	3,405	2,465,000

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 1935.

Extremes.- Maximum discharge during year, 404 second-feet Jan. 6 (gage height, 3.99 feet); minimum, 4 second-feet Mar. 17-22; minimum gage height, 1.24 feet, Mar. 20, owing to regulation.

1909-1935: Maximum discharge, 44,400 second-feet June 12, 1909 (gage height, 20.10 feet on old gage); minimum, that of Mar. 17-22, 1935.

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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	283	5	248	370	356	204	101	10	8	7	9	204
2	278	5	301	378	310	208	73	15	8	7	11	204
3	280	6	296	364	401	208	20	16	7	7	12	202
4	278	6	315	392	384	210	6	12	7	7	11	206
5	283	7	356	401	372	208	7	10	7	8	11	206
6	283	7	345	404	367	210	8	11	8	7	11	268
7	280	7	336	392	328	210	9	12	8	7	11	331
8	260	7	356	384	312	206	9	12	8	8	11	331
9	198	7	350	381	312	210	9	11	7	8	11	320
10	189	7	353	381	301	210	9	9	7	8	10	301
11	165	6	356	381	301	210	10	10	8	8	9	304
12	87	6	361	381	273	210	10	10	8	8	9	307
13	85	38	358	375	208	210	10	10	8	8	9	307
14	65	224	364	372	202	210	14	10	8	8	11	310
15	90	246	372	378	204	198	34	9	52	9	10	315
16	92	251	370	372	204	57	23	9	193	9	8	304
17	84	251	356	370	204	4	11	9	191	9	53	304
18	84	251	364	372	204	4	12	9	155	11	200	301
19	85	251	372	381	204	4	12	10	150	12	206	301
20	87	251	372	367	204	4	9	11	135	10	206	278
21	87	251	378	384	204	4	7	10	90	10	206	251
22	87	251	378	390	204	4	7	9	97	10	206	251
23	87	246	364	395	204	91	7	8	70	9	210	251
24	87	246	381	398	204	140	7	8	8	9	206	251
25	87	246	378	401	204	140	7	8	7	10	202	256
26	89	239	378	395	206	138	7	8	7	10	206	251
27	85	239	378	395	206	140	6	7	7	9	208	251
28	85	237	378	392	206	140	6	8	7	9	208	251
29	85	235	372	392	-	140	7	8	7	10	206	251
30	34	239	370	387	-	133	8	8	7	10	206	263
31	6	-	364	390	-	99	-	9	-	10	204	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,375	283	6	141	8,680
November	4,268	251	5	142	8,470
December	11,040	384	248	356	21,900
Calendar year 1934	59,093	823	5	162	117,200
January	11,935	404	367	385	23,670
February	7,289	401	202	260	14,460
March	4,364	210	4	141	8,660
April	465	101	6	15.5	922
May	306	16	7	9.87	607
June	1,290	193	7	43.0	2,559
July	272	12	7	8.77	540
August	3,097	210	8	99.9	6,143
September	8,131	331	202	271	16,130
Water year 1934-35	56,832	404	4	156	112,700

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 1935.

Average discharge.- 12 years, 2,510 second-feet.

Extremes.- Maximum discharge during year, 950 second-feet Sept. 5 (gage height, 3.50 feet); minimum, 310 second-feet Apr. 27, 28; minimum gage height, 0.64 foot Apr. 12.
1923-35: Maximum discharge, 27,200 second-feet July 4, 1927 (gage height, 14.76 feet); minimum, 310 second-feet Apr. 27, 28, 1935; minimum gage height, 0.64 foot Apr. 12, 1935.

Remarks.- Records good. Discharge estimated Oct. 1-10. Practically entire flow during irrigation season is diverted at Milner; no diversions between Milner and Kimberly.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	700	445	602	710	740	525	422	325	350	345	378	565
2	680	422	628	725	680	525	408	325	355	345	378	578
3	680	422	665	740	640	535	415	325	350	345	385	578
4	680	422	665	770	652	535	408	320	340	362	385	578
5	685	445	695	770	640	525	362	330	345	350	392	628
6	685	628	725	770	640	525	340	330	340	345	392	590
7	680	615	710	770	652	525	335	325	335	345	385	652
8	660	475	710	770	640	525	340	335	335	345	392	710
9	600	408	725	755	640	525	340	330	340	345	392	710
10	590	400	725	755	628	525	335	335	340	345	400	695
11	545	408	725	755	628	525	320	330	330	345	392	695
12	555	408	725	740	628	525	320	340	335	350	400	695
13	495	408	740	740	602	525	320	335	335	350	392	695
14	475	408	740	740	535	535	325	325	335	362	400	695
15	485	535	740	740	515	525	330	325	335	362	400	695
16	495	602	740	740	515	515	320	325	350	355	400	695
17	495	615	740	725	515	465	330	335	422	355	408	695
18	485	628	725	740	515	378	335	330	485	362	400	695
19	495	628	755	740	535	345	330	325	455	362	505	695
20	475	628	785	710	535	350	325	330	445	362	565	695
21	475	628	770	710	545	350	330	325	445	362	565	665
22	475	628	770	740	545	345	325	330	422	370	565	662
23	475	628	770	755	535	350	325	330	422	370	565	652
24	475	615	785	770	535	345	320	325	422	370	578	652
25	475	615	770	770	525	400	320	325	385	370	565	652
26	485	615	785	770	525	445	320	325	355	370	565	652
27	485	602	770	755	525	445	315	325	350	370	565	652
28	485	602	755	755	525	445	325	325	350	370	578	652
29	485	602	740	755	-	455	325	340	345	370	578	652
30	485	602	740	740	-	445	325	362	345	378	578	652
31	475	-	725	740	-	445	-	355	-	378	578	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,915	700	475	546	33,550
November	16,087	628	400	536	31,910
December	22,645	785	602	730	44,920
Calendar year 1934	202,519	1,210	362	555	401,700
January	23,165	770	710	747	45,950
February	16,335	740	515	583	32,400
March	14,428	535	345	465	28,620
April	10,190	422	315	340	20,210
May	10,247	362	320	331	20,320
June	11,098	485	330	370	22,010
July	11,115	378	345	359	22,050
August	14,421	578	378	465	28,600
September	19,767	710	565	659	39,210
Water year 1934-35	186,413	785	315	511	369,800

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 the city of Twin Falls and 4 miles below Shoshone Falls. Outlet of Blue Lakes enters Snake River 200 feet below gage. Prior to May 9, 1935, staff gage at same site and datum.

Records available.- September 1911 to June 1917, May 1919 to September 1935.

Average discharge.- 21 years (1911-16, 1919-35), 4,270 second-feet.

Extremes.- Maximum discharge during year, 995 second-feet Sept. 9, 19 (gage height, 3.00 feet); minimum (estimated), 330 second-feet May 12 (gage height, 1.75 feet).
1911-17, 1919-35: Maximum discharge, 32,200 second-feet June 10, 1914 (gage height, 13.3 feet); minimum, that of May 12, 1935.

Remarks.- Records good. Discharge estimated Oct. 1, 7, 8, 21-31, Nov. 1 to Jan. 12, Mar. 27 to May 9. No diversions except by small ranch ditches between this station and the one at Milner, where the entire flow is diverted during irrigation season.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	910	620	740	880	870	685	550	460	532	532	532	792
2	952	590	750	880	830	685	540	460	505	560	532	792
3	910	590	810	910	792	590	540	450	590	532	532	792
4	910	580	830	910	792	590	530	450	560	455	532	792
5	870	610	860	920	792	590	490	460	560	590	505	792
6	910	720	900	920	792	590	480	460	560	560	560	870
7	880	790	880	920	830	620	470	450	532	532	560	910
8	860	680	870	950	792	652	480	450	532	532	532	910
9	830	570	900	940	755	685	470	460	480	532	505	952
10	755	580	900	920	755	590	460	455	532	532	532	952
11	755	570	900	900	755	620	460	480	532	505	560	952
12	720	590	900	900	755	620	460	390	505	505	532	910
13	720	570	920	910	720	620	460	480	505	505	560	952
14	652	580	910	910	720	620	460	455	505	455	532	952
15	620	710	910	910	685	590	470	455	505	532	532	952
16	620	790	910	910	620	590	470	432	455	505	560	952
17	620	770	910	910	652	532	470	455	590	480	560	952
18	652	800	900	910	652	532	480	480	685	505	590	952
19	720	820	920	910	685	532	470	455	685	505	560	952
20	685	810	910	870	720	532	470	480	685	505	685	910
21	670	810	910	910	665	532	470	455	652	505	720	910
22	660	810	920	910	720	532	470	432	652	505	755	910
23	650	810	920	910	685	505	460	455	590	505	755	910
24	640	790	910	910	685	532	460	455	652	505	755	910
25	630	760	920	870	685	505	460	455	590	505	755	910
26	620	790	910	870	685	480	460	455	590	505	755	910
27	630	770	920	870	685	620	460	455	532	532	720	870
28	640	760	910	910	685	630	450	455	560	505	792	670
29	650	740	910	870	-	620	450	410	532	505	755	870
30	660	750	900	910	-	620	460	505	532	505	792	870
31	640	-	890	870	-	580	-	620	-	505	792	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	22,641	952	620	730	44,910
November	21,130	620	570	704	41,910
December	27,550	920	740	889	54,640
Calendar year 1934	249,610	-	432	684	495,100
January	28,000	950	870	903	55,540
February	20,479	870	620	731	40,620
March	18,221	685	480	588	36,140
April	14,280	550	450	476	28,320
May	14,269	620	390	460	28,300
June	16,917	685	455	564	33,550
July	15,941	590	455	514	31,620
August	19,339	792	505	624	38,360
September	26,930	952	792	898	53,410
Water year 1934-35	245,697	952	390	673	487,300

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, an aand 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 1935.

Average discharge.- 19 years (1912-15, 1919-35), 8,360 second-feet.

Extremes.- Maximum discharge during year, 6,000 second-feet Sept. 28 (gage height, 5.58 feet); minimum discharge, 4,800 second-feet Apr. 27 (gage height, 5.02 feet).
1912-17, 1919-35: 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 good. Discharge interpolated Apr. 15-19. Practically entire flow at Milner diverted during irrigation season; only minor diversions below Milner.

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

5.0	4,800	5.2	5,100	5.4	5,500	5.6	6,000
5.1	4,950	5.3	5,300	5.5	5,750	5.7	6,300

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	5,620	5,400	5,500	5,400	5,500	5,300	5,020	5,100	5,400	5,200	5,300	5,620
2	5,620	5,400	5,500	5,400	5,500	5,300	5,100	4,950	5,200	5,200	5,300	5,620
3	5,620	5,400	5,400	5,500	5,500	5,300	5,100	4,950	5,200	5,200	5,300	5,620
4	5,500	5,500	5,400	5,620	5,400	5,200	5,020	4,950	5,200	5,100	5,400	5,620
5	5,620	5,400	5,500	5,620	5,400	5,200	5,020	4,950	5,200	5,100	5,300	5,750
6	5,620	5,300	5,500	5,750	5,400	5,200	5,020	4,950	5,200	5,200	5,300	5,750
7	5,620	5,300	5,500	5,750	5,400	5,300	5,020	4,950	5,100	5,200	5,400	5,750
8	5,500	5,400	5,500	5,750	5,400	5,200	5,020	4,950	5,020	5,200	5,300	5,750
9	5,500	5,300	5,500	5,620	5,400	5,200	5,020	4,950	5,020	5,200	5,300	5,880
10	5,500	5,200	5,620	5,620	5,400	5,200	5,020	4,950	5,020	5,100	5,300	5,880
11	5,400	5,300	5,500	5,620	5,400	5,200	4,950	4,950	5,100	5,100	5,400	5,880
12	5,400	5,300	5,620	5,620	5,400	5,200	4,950	4,950	5,100	5,100	5,400	5,880
13	5,400	5,300	5,620	5,620	5,400	5,200	4,950	4,950	5,020	5,100	5,400	5,880
14	5,500	5,300	5,620	5,500	5,300	5,200	4,950	4,950	5,020	5,100	5,400	5,880
15	5,500	5,300	5,620	5,620	5,300	5,200	4,960	4,880	5,020	5,100	5,400	5,880
16	5,500	5,400	5,620	5,500	5,200	5,200	4,970	4,880	5,100	5,200	5,400	5,880
17	5,500	5,400	5,620	5,500	5,300	5,200	4,990	4,950	5,100	5,200	5,400	5,880
18	5,500	5,400	5,620	5,500	5,300	5,200	5,000	4,950	5,100	5,100	5,400	5,880
19	5,500	5,400	5,620	5,400	5,300	5,100	5,010	4,950	5,200	5,200	5,400	5,880
20	5,500	5,500	5,750	5,400	5,300	5,100	5,020	4,950	5,200	5,200	5,400	5,880
21	5,500	5,400	5,620	5,400	5,300	5,100	5,020	4,950	5,200	5,200	5,500	5,880
22	5,400	5,500	5,620	5,400	5,300	5,100	4,950	4,950	5,200	5,200	5,500	5,880
23	5,400	5,500	5,620	5,500	5,300	5,100	5,020	4,950	5,200	5,200	5,500	5,880
24	5,400	5,500	5,620	5,500	5,300	5,100	5,020	4,950	5,200	5,200	5,500	5,880
25	5,400	5,500	5,620	5,500	5,200	5,020	4,950	4,950	5,200	5,200	5,500	5,880
26	5,400	5,620	5,620	5,620	5,200	5,100	4,880	4,950	5,200	5,300	5,500	5,880
27	5,400	5,500	5,620	5,620	5,200	5,100	4,880	4,950	5,200	5,300	5,500	5,880
28	5,400	5,500	5,620	5,500	5,200	5,100	4,950	4,950	5,100	5,300	5,500	5,880
29	5,400	5,500	5,500	5,500	-	5,100	5,100	4,950	5,100	5,300	5,500	5,880
30	5,400	5,500	5,500	5,500	-	5,100	5,200	5,100	5,200	5,300	5,500	5,880
31	5,400	-	5,500	5,500	-	5,100	-	5,200	-	5,300	5,500	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	169,920	5,620	5,400	5,481	337,000
November	162,220	5,620	5,200	5,407	321,800
December	172,590	5,750	5,400	5,567	342,300
Calendar year 1934	1,954,870	6,600	4,700	5,356	3,877,000
January	171,850	5,750	5,400	5,544	340,900
February	149,500	5,500	5,200	5,339	296,500
March	160,220	5,300	5,020	5,168	317,800
April	150,060	5,200	4,880	5,003	297,700
May	153,660	5,200	4,880	4,963	305,200
June	154,320	5,400	5,020	5,144	306,100
July	160,900	5,300	5,100	5,190	319,100
August	167,700	5,500	5,300	5,410	332,600
September	174,840	5,880	5,620	5,828	346,800
Water year 1934-35	1,948,000	5,880	4,880	5,337	3,864,000

Snake River at King Hill, Idaho.

Location.- Water-stage recorder, lat. 43°, 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 1935.

Average discharge.- 26 years, 11,010 second-feet.

Extremes.- Maximum discharge during year, 7,730 second-feet Dec. 14-17, 20-28, Jan. 6-13, 15, 16, Sept. 29; maximum gage height, 7.10 feet Sept. 29; minimum, 5,880 second-feet Feb. 17 (gage height, 5.70 feet).

1909-35: 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. Discharge estimated Jan. 20-22. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,490	7,250	7,490	7,250	7,490	6,780	7,010	7,010	7,250	6,780	6,550	7,010
2	7,250	7,250	7,490	7,250	7,490	6,780	7,010	6,780	7,250	6,780	6,550	7,010
3	7,250	7,250	7,250	7,250	7,250	7,010	7,010	6,550	6,780	6,780	6,550	7,010
4	7,250	7,250	7,250	7,490	7,250	7,010	7,010	6,550	7,010	7,010	6,780	7,250
5	7,250	7,250	7,490	7,490	7,250	7,010	7,010	6,550	6,780	7,010	6,780	7,250
6	7,250	7,010	7,490	7,730	7,250	7,010	7,010	6,320	6,780	7,010	6,780	7,250
7	7,250	7,010	7,490	7,730	7,250	6,780	6,780	6,320	6,780	6,780	6,780	7,250
8	7,250	7,250	7,490	7,730	7,250	6,780	7,490	6,320	6,550	6,550	6,780	7,250
9	7,250	7,010	7,490	7,730	7,250	6,780	7,490	6,320	6,550	6,320	6,780	7,250
10	7,250	7,010	7,490	7,730	7,250	6,760	7,250	6,320	6,550	6,320	6,780	7,250
11	7,250	7,010	7,490	7,730	7,010	6,780	7,010	6,320	6,550	6,320	6,780	7,250
12	7,250	7,010	7,490	7,730	7,010	6,780	6,780	6,320	6,550	6,320	6,780	7,250
13	7,250	7,010	7,490	7,730	7,010	6,780	6,550	6,320	6,550	6,320	6,780	7,250
14	7,250	7,010	7,730	7,490	7,010	7,010	6,550	6,320	6,550	6,320	6,780	7,250
15	7,250	7,010	7,730	7,730	7,010	6,780	6,550	6,320	6,550	6,320	6,780	7,250
16	7,250	7,250	7,730	7,730	6,780	6,780	6,780	6,100	6,550	6,320	6,780	7,250
17	7,250	7,250	7,730	7,490	6,780	6,550	6,780	6,320	6,550	6,550	6,780	7,250
18	7,250	7,250	7,490	7,490	6,780	6,780	6,780	6,320	6,780	6,550	6,780	7,490
19	7,250	7,250	7,490	7,490	6,780	6,780	6,550	6,320	6,780	6,550	6,780	7,490
20	7,250	7,490	7,730	7,400	6,780	6,780	6,550	6,320	6,780	6,550	6,780	7,490
21	7,250	7,490	7,730	7,250	7,010	6,780	6,550	6,320	6,780	6,550	7,010	7,490
22	7,010	7,250	7,730	7,250	6,780	6,780	6,550	6,100	6,780	6,550	7,010	7,490
23	7,010	7,490	7,730	7,250	7,010	6,780	6,550	6,320	6,780	6,550	7,010	7,490
24	7,010	7,490	7,730	7,250	6,780	6,780	6,780	6,320	6,780	6,550	7,010	7,490
25	7,010	7,490	7,730	7,490	6,780	6,780	6,550	6,100	6,780	6,550	7,010	7,490
26	7,010	7,490	7,730	7,490	6,780	6,780	6,550	6,100	6,780	6,550	7,010	7,490
27	7,010	7,490	7,730	7,490	6,780	6,780	6,320	6,320	6,780	6,550	7,010	7,490
28	7,010	7,490	7,730	7,490	6,780	6,780	6,550	6,320	6,780	6,780	7,010	7,490
29	7,010	7,490	7,490	7,490	-	6,780	6,780	6,100	6,780	6,550	7,010	7,490
30	7,250	7,490	7,490	7,490	-	7,250	7,010	6,320	6,780	6,550	7,010	7,490
31	7,250	-	7,490	7,490	-	7,010	-	7,010	-	6,550	7,010	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	223,070	7,490	7,010	7,196	442,500
November	217,740	7,490	7,010	7,258	431,900
December	234,830	7,730	7,250	7,575	465,800
Calendar year 1934	2,598,770	9,000	6,320	7,120	5,155,000
January	232,820	7,730	7,250	7,510	461,800
February	196,630	7,490	6,780	7,022	390,000
March	211,800	7,250	6,550	6,832	420,100
April	204,140	7,490	6,320	6,805	404,900
May	197,350	7,010	6,100	6,366	391,400
June	202,270	7,250	6,550	6,742	401,200
July	203,740	7,010	6,320	6,572	404,100
August	212,020	7,010	6,550	6,839	420,500
September	219,900	7,490	7,010	7,330	436,200
Water year 1934-35	2,556,310	7,730	6,100	7,004	5,070,000

Snake River near Murphy, Idaho.

Location.- Water-stage recorder, lat. 43°18', long. 116°25', in NW¼ sec. 18, T. 2 S., R. 1 E., three-quarters of a mile below Swan Falls power plant and 9 miles northeast of Murphy.

Drainage area.- 41,900 square miles.

Records available.- August to October 1912, August 1913 to September 1935.

Average discharge.- 22 years (1913-35), 11,010 second-feet.

Extremes.- Maximum discharge during year, 11,400 second-feet June 2 (gage height, 3.30 feet); minimum not recorded because water fell below intake pipe at times of minimum load at power plant above.

1912-35: Maximum discharge, 47,300 second-feet June 22, 1918 (gage height, 13.95 feet); minimum recorded (result of discharge measurement), 3,950 second-feet July 20, 1934, when stage was below inlet pipe.

Remarks.- Records good. 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.

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

-1.5	5,600	+0.1	6,800	1.7	8,700	3.3	11,370
-1.1	5,840	+0.5	7,200	2.1	9,290	3.7	12,210
-0.7	6,120	+0.9	7,650	2.5	9,920	4.1	13,110
-0.3	6,440	1.3	8,150	2.9	10,610	4.5	14,050

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,310	7,310	7,530	7,530	7,650	7,310	*7,300	7,530	8,420	*7,000	*6,600	7,000
2	7,310	7,420	7,530	7,770	7,650	7,310	7,420	7,530	8,990	*6,800	6,620	7,000
3	7,890	7,530	7,650	7,310	7,530	7,200	7,000	7,420	9,140	*7,100	*6,600	7,000
4	7,650	7,200	7,650	7,310	7,530	7,650	7,100	7,000	8,840	*6,800	7,530	7,100
5	7,650	7,650	7,420	7,530	7,770	7,530	7,310	*6,600	8,420	7,200	7,100	7,200
6	7,650	7,650	7,420	7,530	7,650	7,420	7,310	*6,900	8,280	7,000	6,900	7,200
7	7,530	7,770	7,530	7,890	7,530	7,310	7,420	*6,400	8,150	*6,800	6,900	7,200
8	7,530	7,650	7,530	7,890	7,770	7,310	7,420	*7,000	8,280	7,310	6,710	7,200
9	7,310	7,310	7,530	7,890	7,530	7,310	8,020	*6,800	7,890	*6,800	7,000	7,200
10	7,530	7,310	7,650	7,690	7,530	7,200	8,560	*6,800	8,280	*6,700	6,620	7,310
11	7,530	7,310	7,650	7,770	7,890	7,310	8,150	*6,900	7,890	*6,600	6,710	7,310
12	7,650	7,310	7,650	7,650	7,650	7,200	8,020	*6,600	7,770	*6,600	6,800	7,310
13	7,310	7,420	7,650	7,530	7,530	7,200	7,890	7,200	7,770	6,620	6,530	7,420
14	7,310	7,420	7,650	7,770	7,000	7,000	7,770	*6,700	7,890	*6,600	6,900	7,420
15	7,530	7,420	7,770	7,770	7,770	7,200	7,890	*6,800	7,770	*6,400	6,710	7,420
16	7,530	7,310	7,650	7,890	7,530	7,310	7,890	6,800	7,530	6,710	6,620	7,530
17	7,650	7,420	8,150	7,650	7,200	7,420	8,280	*6,800	7,420	*6,400	6,530	7,530
18	7,530	7,530	7,890	7,770	7,100	7,650	8,280	6,600	7,200	*6,600	6,900	7,530
19	7,420	7,420	7,650	7,650	7,310	7,310	8,020	*6,700	7,530	*6,600	6,710	7,530
20	7,530	7,650	7,770	7,650	7,530	7,420	7,890	6,900	*7,400	6,620	7,000	7,650
21	7,530	7,650	7,770	7,530	7,200	7,200	8,150	6,900	*7,200	*6,620	7,000	7,650
22	7,530	7,650	8,020	7,420	7,420	6,800	*7,400	*6,800	*7,400	*6,620	6,900	7,650
23	7,650	7,530	7,890	7,200	7,420	7,310	7,530	*6,700	*6,900	*6,620	6,900	7,650
24	7,650	7,420	8,150	7,420	7,310	7,310	7,650	*6,700	*7,400	*6,620	7,100	*7,700
25	7,420	7,530	7,650	7,530	7,530	7,100	7,770	7,000	7,310	*6,620	7,310	*7,700
26	7,530	7,890	7,770	7,650	7,530	7,310	7,310	7,310	*7,000	*6,620	7,000	*7,700
27	7,530	7,650	7,650	7,530	7,420	*6,800	6,800	7,000	*7,000	*6,620	7,100	*7,700
28	7,530	7,650	7,650	7,890	7,200	7,310	6,800	7,310	*7,200	6,620	7,000	*7,600
29	7,770	7,530	8,020	7,650	-	*7,100	7,000	7,420	*7,200	6,620	6,710	*7,600
30	7,770	7,890	7,770	7,650	-	7,200	*7,400	7,400	*6,700	*6,800	7,000	*7,600
31	7,770	-	7,770	7,650	-	*7,100	-	*8,420	-	*6,600	7,000	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	234,030	7,890	7,310	7,549	464,200
November	225,400	7,890	7,200	7,513	447,100
December	239,030	8,150	7,420	7,711	474,100
Calendar year 1934	2,663,240	9,290	6,000	7,297	5,283,000
January	236,760	7,890	7,200	7,637	469,600
February	209,680	7,890	7,000	7,489	415,900
March	225,110	7,650	6,800	7,262	446,500
April	228,750	8,560	6,800	7,625	453,700
May	217,140	8,420	6,400	7,005	430,700
June	232,170	9,140	6,700	7,739	460,500
July	208,240	7,310	6,400	6,717	413,000
August	212,010	7,310	6,530	6,839	420,500
September	222,610	7,700	7,000	7,420	441,500
Water year 1934-35	2,690,930	9,140	6,400	7,372	5,337,000

*Estimated.

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 1935. Fragmentary gage-height record obtained by U. S. Weather Bureau since 1895.

Average discharge.- 24 years (1911-35), 17,800 second-feet.

Extremes.- Maximum discharge during year, 24,300 second-feet June 3 (gage height, 5.83 feet); minimum discharge, 6,990 second-feet July 18 (gage height, 1.99 feet).

1910-35: 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. Discharge interpolated May 16, 17. 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.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Mar. 29 to July 7)

1.6	5,760	2.4	8,380	3.2	11,380	4.0	14,710	5.2	20,470
1.8	6,380	2.6	9,100	3.4	12,180	4.3	16,060	5.5	22,060
2.0	7,020	2.8	9,840	3.6	13,000	4.6	17,470	5.8	23,700
2.2	7,690	3.0	10,600	3.8	13,840	4.9	18,940	5.9	24,260

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,560	10,200	10,400	10,200	10,400	10,000	10,200	16,100	23,200	8,560	7,690	8,030
2	8,200	10,000	10,200	9,840	10,200	10,200	10,200	17,000	23,200	8,560	7,690	8,200
3	8,560	10,200	10,000	9,840	10,200	10,600	11,000	15,600	23,700	8,380	7,860	8,200
4	8,380	10,600	10,000	9,660	10,200	10,600	11,000	14,300	22,600	8,200	7,690	8,200
5	8,740	10,400	10,000	9,840	10,200	10,600	11,800	13,800	21,500	8,200	7,690	8,380
6	8,740	10,600	10,000	10,600	10,400	10,600	12,200	13,800	21,000	8,200	7,690	8,380
7	8,920	10,600	10,000	11,000	10,400	10,400	12,200	14,300	20,500	8,380	8,030	8,560
8	8,920	10,400	10,000	11,800	10,200	10,600	15,200	15,200	20,500	8,200	8,030	8,560
9	8,740	10,400	10,000	12,200	10,600	10,400	18,400	15,200	21,000	8,200	7,860	8,560
10	8,920	10,200	10,000	11,400	10,400	10,400	18,000	15,200	21,500	8,030	7,690	8,560
11	8,740	10,000	10,000	11,000	10,200	10,000	18,400	14,700	20,500	7,520	7,860	8,560
12	8,740	9,840	10,000	10,600	10,400	10,000	18,400	15,200	18,900	7,690	7,520	8,740
13	8,920	9,840	10,000	10,600	10,400	10,600	18,000	15,200	18,000	7,520	7,690	8,560
14	8,740	9,840	10,000	10,400	10,400	12,600	18,400	15,200	18,400	7,520	7,690	8,920
15	8,740	9,840	10,400	10,600	9,840	12,600	18,400	15,200	17,500	7,520	7,520	8,920
16	8,740	9,840	10,400	10,600	10,400	12,200	20,500	15,300	16,500	7,520	7,690	8,740
17	8,920	9,840	10,400	10,600	10,000	12,200	22,100	15,500	15,200	7,350	7,690	8,920
18	8,920	10,000	10,400	10,400	9,660	12,200	20,000	15,600	13,800	7,350	7,690	8,920
19	8,920	10,200	10,400	10,400	9,840	11,800	18,000	15,600	13,000	7,350	7,690	8,920
20	8,920	10,400	10,200	10,200	9,840	11,800	17,000	15,600	11,800	7,520	7,860	9,100
21	9,100	10,400	10,400	10,400	10,200	11,400	18,000	15,600	11,000	7,520	7,690	9,100
22	9,100	10,400	10,600	9,470	10,000	11,000	21,000	16,100	10,600	7,690	8,030	9,280
23	9,660	10,400	11,000	10,600	10,200	10,600	20,000	17,000	10,000	7,860	7,860	9,280
24	9,840	10,200	10,600	10,200	10,400	10,600	18,400	18,900	9,660	7,520	7,860	9,280
25	10,200	10,200	10,600	10,200	10,000	11,400	16,500	21,000	9,840	7,690	7,860	9,100
26	10,200	10,400	10,600	10,400	10,400	11,400	16,100	22,100	9,470	7,860	8,030	9,100
27	10,400	10,600	10,400	10,400	10,200	11,400	15,600	22,600	9,100	7,690	8,200	9,100
28	10,400	10,400	10,600	10,200	10,200	10,600	15,200	22,100	8,920	7,690	8,030	8,920
29	10,200	10,400	10,400	10,400	-	11,000	15,200	21,000	8,920	7,690	8,200	8,920
30	10,200	10,400	10,600	10,400	-	10,600	15,600	21,000	8,920	7,690	8,200	8,920
31	10,200	-	10,400	10,200	-	10,600	-	21,000	-	7,860	8,030	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	284,480	10,400	8,200	9,177	564,300
November	307,040	10,600	9,840	10,230	609,000
December	319,000	11,000	10,000	10,290	632,700
Calendar year 1934	3,792,370	19,400	6,860	10,390	7,522,000
January	324,650	12,200	9,470	10,470	643,900
February	285,780	10,600	9,660	10,210	566,800
March	341,000	12,600	10,000	11,000	676,400
April	491,000	22,100	10,200	16,370	973,900
May	522,000	22,600	13,800	16,840	1,035,000
June	478,730	23,700	8,920	15,960	949,500
July	242,530	8,560	7,350	7,824	481,100
August	242,810	8,200	7,520	7,833	481,600
September	262,930	9,280	8,030	8,764	521,500
Water year 1934-35	4,101,950	23,700	7,350	11,240	8,136,000

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 1935.

Average discharge.- 12 years, 15,650 second-feet.

Extremes.- Maximum discharge during year, 25,700 second-feet June 4 (gage height, 12.10 feet); minimum observed, 7,230 second-feet Aug. 19 (gage height, 7.20 feet, inlet partly clogged).

1923-35: Maximum discharge, 70,600 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 1934-35 (gage height, in feet, and discharge, in second-feet)

7.2	7,230	8.0	9,290	8.8	11,850	10.2	17,250	11.8	24,320
7.4	7,710	8.2	9,880	9.0	12,550	10.6	18,940	12.2	26,210
7.6	8,210	8.4	10,510	9.4	14,040	11.0	20,680		
7.8	8,740	8.6	11,170	9.8	15,620	11.4	22,470		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8,740	10,200	10,500	10,800	10,500	10,500	11,200	17,200	23,400	9,290	7,960	7,960
2	8,740	10,200	10,500	10,500	10,500	10,500	10,500	18,100	25,300	8,740	7,960	8,210
3	8,210	10,200	10,200	9,880	10,500	10,800	10,800	18,100	25,300	8,740	7,960	8,210
4	8,470	10,500	10,200	10,200	10,500	11,200	11,800	16,400	25,300	8,740	7,710	8,210
5	8,740	10,800	10,200	9,880	10,500	10,800	11,800	15,600	24,300	8,470	7,710	8,210
6	8,740	10,500	10,200	10,200	10,500	11,200	12,600	15,200	22,900	8,470	7,960	8,210
7	8,740	10,800	10,200	11,200	10,800	11,200	13,300	15,600	22,500	8,740	7,960	8,470
8	9,010	10,800	10,200	11,500	10,800	11,200	14,000	16,400	22,500	8,740	8,210	8,740
9	9,010	10,800	10,200	12,600	10,500	10,800	18,500	16,400	22,500	8,470	8,210	8,470
10	8,740	10,500	10,200	12,200	10,800	10,800	19,400	16,800	22,500	8,470	7,960	8,740
11	9,010	10,200	10,200	11,800	10,800	10,500	19,800	16,000	22,500	8,210	7,960	8,470
12	8,740	10,200	10,200	11,500	10,500	10,200	20,200	16,400	21,600	7,960	7,710	8,740
13	8,740	9,880	10,200	11,200	10,800	10,500	19,800	16,400	19,800	7,960	7,710	8,740
14	9,010	9,880	10,200	10,800	10,800	12,200	20,200	16,000	19,800	7,960	7,710	8,740
15	8,740	9,880	10,500	10,800	10,500	13,700	20,700	16,400	19,400	7,710	7,710	8,740
16	8,740	9,880	10,500	10,800	9,880	13,300	22,000	15,600	18,100	7,710	7,710	8,740
17	9,010	9,880	10,500	11,200	10,500	13,300	24,300	15,600	17,200	7,710	7,710	8,740
18	9,010	10,200	10,500	11,200	10,200	12,900	23,800	16,000	15,600	7,710	7,710	8,740
19	9,010	10,500	10,800	10,800	9,880	12,600	21,100	16,400	14,400	7,710	7,470	9,010
20	9,010	10,500	10,800	9,880	10,200	12,600	19,800	16,800	13,700	7,470	7,710	9,010
21	9,010	10,500	10,500	9,880	10,200	12,200	19,800	16,800	12,600	7,710	7,710	9,010
22	9,290	10,500	11,200	9,880	10,500	11,800	21,100	17,700	11,800	7,710	7,710	9,010
23	9,290	10,500	11,200	9,880	10,500	11,500	23,400	18,500	11,200	7,710	7,960	9,290
24	9,880	10,500	11,500	10,800	10,500	11,200	21,100	19,800	10,500	7,710	7,710	9,290
25	10,200	10,500	11,200	10,500	10,800	11,200	19,400	21,600	10,200	7,710	7,710	9,290
26	10,500	10,500	11,200	10,500	10,500	11,800	18,100	23,400	10,200	7,960	7,960	9,010
27	10,500	10,800	10,800	10,500	10,800	11,800	17,200	24,300	9,880	8,210	7,960	9,290
28	10,500	10,800	10,800	10,500	10,500	11,800	16,800	24,300	9,580	7,960	7,960	9,010
29	10,500	10,500	10,800	10,500	-	11,200	16,800	23,400	9,290	7,960	8,210	9,010
30	10,200	10,500	10,800	10,800	-	11,500	16,800	22,500	9,290	7,960	8,210	9,010
31	10,500	-	10,800	10,500	-	11,200	-	22,900	-	7,960	7,960	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	286,530	10,500	8,210	9,243	568,300
November	311,900	10,800	9,880	10,400	618,600
December	327,800	11,500	10,200	10,570	650,200
Calendar year 1934	3,947,290	20,200	7,230	10,810	7,829,300
January	333,180	12,600	9,880	10,750	660,900
February	294,260	10,800	9,880	10,510	583,700
March	358,000	13,700	10,200	11,550	710,100
April	536,100	24,300	10,500	17,870	1,063,000
May	562,600	24,300	15,200	18,150	1,116,000
June	523,140	25,300	9,290	17,440	1,038,000
July	251,540	9,290	7,470	8,114	498,900
August	243,770	8,210	7,470	7,864	483,500
September	262,320	9,290	7,960	8,744	520,300
Water year 1934-35	4,291,140	25,300	7,470	11,760	8,512,000

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Snake River at Riparia, Wash.

Location.- Chain gage, lat. 46°35', long. 118°5', in sec. 31, T. 13 N., R. 38 E., on Oregon-Washington Railroad & Navigation Co.'s bridge at Riparia.

Drainage area.- 104,000 square miles (revised).

Records available.- October 1915 to September 1922, August 1928 to September 1935 (discontinued) in reports of U. S. Geological Survey; October 1909 to September 1933 in State Water-Supply Bulletin 5.

Average discharge.- 26 years (1909-35), 49,070 second-feet.

Extremes.- Maximum discharge observed during year, 130,000 second-feet May 25 (gage height, 11.22 feet); minimum mean daily discharge, 13,100 second-feet Aug. 28, 29, Sept. 2 (gage height, 0.62 foot).

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

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

Remarks.- Records good. Stage-discharge relation affected by ice Jan. 19-22. Small diversions by pumping for irrigation between this station and the one at Oxbow. Some diurnal fluctuation as a result of pondage for power on Clearwater River at Lewiston.

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

0.0	10,600	2.0	19,800	4.0	34,400	6.0	54,000	8.0	79,500	10.0	110,400
.5	12,650	2.5	22,900	4.5	38,900	6.5	60,000	8.5	86,900	10.5	118,400
1.0	14,900	3.0	26,400	5.0	43,400	7.0	66,000	9.0	94,400	11.0	126,400
1.5	17,200	3.5	30,200	5.5	48,500	7.5	72,500	9.5	102,400	11.5	134,400

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14,400	19,800	21,600	21,000	22,900	21,000	29,400	72,500	118,000	40,700	17,200	14,000
2	14,400	19,800	21,600	21,000	22,900	21,600	28,600	72,500	117,000	41,600	16,700	13,100
3	14,400	21,000	21,600	19,800	22,200	22,200	27,100	69,900	114,000	38,000	16,700	14,000
4	14,900	26,400	21,000	18,700	22,900	22,200	25,700	69,900	109,000	35,300	16,700	14,400
5	14,400	21,000	20,400	19,200	22,900	22,900	26,400	68,600	107,000	32,600	16,200	14,900
6	15,400	22,200	19,800	18,700	22,900	22,900	27,100	69,900	109,000	32,600	16,200	14,400
7	15,400	23,600	19,800	21,000	23,600	22,200	27,800	80,900	109,000	31,800	16,200	14,000
8	14,900	22,900	19,200	24,300	22,200	22,200	27,600	80,900	110,000	31,800	16,200	14,400
9	14,900	23,600	19,200	25,700	22,200	21,600	30,200	79,500	109,000	31,800	15,800	14,400
10	15,400	25,000	18,700	25,000	22,200	21,600	38,000	82,400	109,000	30,200	15,600	14,900
11	15,600	23,600	18,200	24,300	21,600	21,000	44,400	85,400	101,000	28,600	15,400	14,400
12	15,800	22,900	18,200	22,900	21,000	21,000	45,400	80,900	97,600	27,100	14,900	14,400
13	15,400	21,600	17,700	22,200	21,600	21,000	50,700	78,100	96,000	26,400	14,400	14,400
14	15,800	21,600	17,200	21,600	21,600	38,000	60,000	76,700	94,400	25,000	14,400	14,400
15	15,400	21,000	17,200	21,000	21,600	47,400	69,900	78,100	91,400	23,600	14,400	14,000
16	15,400	20,400	17,700	19,600	20,400	45,400	73,900	79,500	83,900	22,900	14,400	13,600
17	15,400	20,400	18,200	19,800	20,400	39,800	96,000	80,900	75,300	21,600	14,400	14,400
18	15,800	19,800	21,000	19,800	19,200	37,100	83,900	91,400	69,900	21,000	14,000	14,400
19	16,200	21,000	20,400	17,000	18,700	35,300	78,100	92,900	63,600	21,000	14,000	14,400
20	16,200	21,600	21,000	15,500	19,200	31,800	73,900	85,400	58,800	20,400	14,400	14,900
21	16,200	21,600	21,600	15,000	19,800	30,200	72,500	86,900	56,400	19,200	14,900	14,900
22	16,700	22,900	24,300	16,000	21,000	29,400	89,900	96,000	54,000	19,200	14,900	14,900
23	16,700	22,200	31,000	15,800	22,900	27,800	91,400	112,000	50,700	18,700	14,900	14,400
24	18,700	22,200	29,400	18,700	25,000	27,800	86,900	125,000	48,500	18,700	14,400	14,900
25	19,600	22,900	25,700	21,600	25,700	26,400	75,300	130,000	47,400	18,700	14,000	14,900
26	22,200	22,200	25,700	24,300	22,200	27,100	69,900	123,000	44,400	18,700	13,600	14,900
27	27,100	22,900	23,600	24,300	21,600	28,600	69,900	118,000	41,600	18,700	13,600	14,400
28	24,300	22,900	22,900	23,600	21,000	27,800	72,500	115,000	40,700	18,700	13,100	14,400
29	21,600	22,200	22,200	23,600	-	27,800	69,900	115,000	38,900	18,700	13,100	14,400
30	20,400	21,600	22,200	22,900	-	27,800	68,600	109,000	38,000	17,700	13,600	14,000
31	20,400	-	21,600	22,900	-	29,400	-	110,000	-	17,700	14,000	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	529,800	27,100	14,400	17,090	1,051,000
November	662,600	26,400	19,800	22,090	1,315,000
December	659,900	31,000	17,200	21,290	1,309,000
Calendar year 1934	13,531,500	118,000	12,200	37,070	26,840,000
January	647,000	25,700	15,000	20,870	1,283,000
February	611,400	25,700	16,700	21,840	1,213,000
March	868,300	47,400	21,000	28,010	1,722,000
April	1,731,100	96,000	25,700	57,700	3,434,000
May	2,816,200	130,000	68,600	90,850	5,586,000
June	2,403,500	118,000	38,000	80,120	4,767,000
July	788,700	41,600	17,700	25,440	1,564,000
August	462,500	17,200	13,100	14,920	917,400
September	431,900	14,900	13,100	14,400	856,700
Water year 1934-35	12,613,100	130,000	13,100	34,560	25,020,000

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, Wyo., just below power plant of Jackeon Hole Light & Power Co.

Records available.- June 1933 to September 1935.

Extremes.- Maximum discharge observed during year, 438 second-feet June 15 (gage height, 3.48 feet); minimum, 7 second-feet Apr. 15-18; minimum gage height, 1.06 feet Apr. 17. A lower minimum may have occurred during the ice period prior to Apr. 15.
1933-35: Maximum observed discharge, that of June 15, 1935; minimum, that of Apr. 15-18, 1935.

Remarks.- High-water records poor and low-water records fair. No regulation. No records Nov. 28 to Apr. 14. Records not kept during winter owing to extreme ice conditions.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	15					-	13	80	190	55	38
2	13	15					-	13	78	180	55	38
3	14	15					-	14	80	164	54	37
4	15	14					-	14	81	161	57	37
5	15	14					-	13	81	164	57	37
6	15	14					-	13	81	164	56	37
7	14	14					-	14	83	133	55	37
8	15	14					-	14	90	131	54	36
9	14	14					-	15	144	128	50	36
10	14	14					-	15	229	126	50	36
11	15	14					-	17	286	121	50	36
12	15	13					-	17	334	119	50	34
13	15	12					-	16	380	121	49	31
14	15	14					-	18	414	96	47	27
15	16	14					7	19	438	90	46	26
16	16	14					7	20	424	81	45	26
17	16	14					7	20	376	78	42	25
18	16	14					7	20	308	80	42	25
19	16	14					9	20	278	78	42	25
20	16	12					10	20	245	76	42	25
21	16	12					13	23	269	73	42	25
22	17	12					10	24	290	68	42	26
23	17	13					9	24	303	67	42	27
24	15	14					10	26	316	63	42	26
25	15	12					10	26	308	59	42	25
26	15	12					11	27	282	55	41	25
27	16	11					11	36	225	55	41	25
28	15	*11					11	42	225	55	41	25
29	15	*11					13	55	225	55	39	25
30	15	*11					12	68	225	55	39	23
31	15	-					-	80	-	55	38	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	470	17	13	15.2	932
November	397	15	11	13.2	787
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 15-30	157	13	7	9.8	311
May	756	80	13	24.4	1,500
June	7,178	430	78	239	14,240
July	3,141	190	55	101	6,230
August	1,447	57	38	46.7	2,870
September	901	38	23	30	1,790
Water year	-	-	-	-	-

*Estimated.

Salt River near Smoot, Wyo.

Location.- Water-stage recorder, lat. 42°36', long. 110°55', in sec. 7, T. 30 N., R. 118 W., 1½ miles south of Smoot.

Drainage area.- 59.4 square miles.

Records available.- June 1932 to September 1935.

Extremes.- Maximum discharge observed during year, 202 second-feet June 12 (gage height, 2.28 feet); minimum daily discharge probably occurred during period of no record.
1932-35: Maximum discharge observed, 335 second-feet June 3, 1933 (gage height, 2.14 feet); minimum daily discharge not determined.

Remarks.- Records excellent except those above 110 second-feet, which are fair. No record Dec. 1 to Apr. 20. A few diversions above station for irrigation.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting control method used June 9-28)

0.8	1.0	1.2	16.5	1.6	52	2.0	116
.9	2.5	1.3	24.5	1.7	64	2.1	137
1.0	5.2	1.4	32.5	1.8	80	2.2	161
1.1	10.5	1.5	41	1.9	98	2.3	186

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	4.4						85	112	49	18	12
2	4.1	4.7						77	103	43	19	12
3	4.1	4.7						69	96	39	18	12
4	3.6	4.7						77	102	38	20	11
5	3.6	4.9						91	109	38	20	10
6	3.6	4.9						105	131	39	19	9.4
7	3.6	4.9						102	139	38	18	9.4
8	4.1	3.6						102	147	37	16	9.4
9	4.1	4.4						105	166	36	16	8.4
10	4.1	4.4						120	156	32	15	8.4
11	4.1	4.7						133	166	32	14	8.4
12	4.1	3.8						135	166	31	14	7.8
13	4.1	3.0						124	166	30	14	7.8
14	4.7	2.2						114	174	29	13	7.3
15	5.2	1.9						109	178	29	15	6.8
16	4.7	2.0						111	171	29	14	6.8
17	4.1	2.0						120	151	29	14	6.8
18	3.8	3.0						105	139	29	14	6.3
19	4.1	2.0						102	139	27	14	6.8
20	3.3	1.9			*4.0			102	137	20	14	6.8
21	2.8	2.8					39	129	129	16	12	6.8
22	3.0	2.5					38	147	118	16	13	7.8
23	3.3	3.3					36	147	114	16	14	8.4
24	3.6	3.8					36	129	116	16	15	15
25	3.6	3.0					34	126	109	17	15	9.4
26	3.6	3.8					43	133	87	17	15	8.9
27	3.6	2.5					72	135	78	20	14	8.4
28	3.3	2.5					77	135	70	20	14	7.8
29	3.6	2.4					82	129	59	19	14	7.8
30	3.6	2.4					102	126	57	19	13	7.8
31	4.1	-					-	126	-	19	13	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	119.0	5.2	2.8	3.84	236
November	101.1	4.9	1.9	3.37	201
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 21-30	559	102	34	55.9	1,110
May	3,550	147	69	115	7,040
June	3,787	178	57	126	7,510
July	869	49	16	28.0	1,720
August	471	20	12	15.2	934
September	261.7	15	6.3	8.72	519
Water year					

*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. 45 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 1935.

Extremes.- Maximum discharge during year, 1,320 second-feet Apr. 21 (gage height, 3.10 feet); minimum, probably 290 second-feet (estimated) Feb. 16-19.
1934-35: Maximum discharge, that of Apr. 21, 1934; minimum, 216 second-feet May 17, 1934 (gage height, 1.30 feet).

Remarks.- Records excellent except those estimated Dec. 12 to Feb. 18, which are fair. Diversions for irrigation above station.

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

1.3	250	1.8	412	2.3	704	2.8	1,070
1.4	276	1.9	462	2.4	770	2.9	1,150
1.5	304	2.0	520	2.5	840	3.0	1,235
1.6	336	2.1	580	2.6	915	3.1	1,320
1.7	370	2.2	640	2.7	990		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	326	346	343			314	343	1,130	1,060	556	479	437
2	326	353	326			307	336	1,050	1,060	556	462	437
3	326	350	326			304	339	1,010	1,020	544	462	432
4	323	346	343			304	363	975	960	544	462	437
5	320	346	339		300	304	367	990	908	550	468	432
6	323	343	336			307	360	1,070	862	550	474	437
7	326	339	320			307	353	1,050	798	544	474	437
8	323	339	326			310	363	1,030	737	538	462	422
9	320	336	323			301	395	1,030	698	538	462	417
10	320	336	323			304	417	1,060	717	538	452	422
11	317	336	320			310	432	1,060	724	526	447	432
12	320	336				310	485	1,040	691	514	442	432
13	323	336	320		295	310	562	1,020	672	520	447	442
14	323	333				314	685	968	666	508	447	457
15	333	333				330	819	930	659	508	447	452
16	336	333				320	1,030	922	646	508	457	442
17	333	333			290	317	1,090	945	640	503	462	442
18	333	339	330			317	1,070	1,010	615	491	462	437
19	339	339			293	317	1,130	1,030	574	497	462	432
20	339	336			296	317	1,240	1,040	566	485	462	432
21	336	333			296	323	1,300	1,030	574	479	457	427
22	339	333			296	328	1,280	1,070	592	474	452	417
23	343	336	325		298	320	1,190	1,120	592	457	452	427
24	356	336			301	320	1,050	1,150	586	457	462	437
25	370	339			301	320	982	1,110	556	452	452	432
26	363	339			290	333	1,020	1,090	538	442	447	432
27	356	343			293	330	1,110	1,080	538	462	442	432
28	353	339	320		310	326	1,130	1,090	538	514	437	437
29	353	339			-	330	1,090	1,130	544	538	437	437
30	350	339			-	343	1,140	1,090	550	514	437	437
31	346	-			-	350	-	1,070	-	479	437	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,394	370	317	335	20,620
November	10,164	353	333	339	20,160
December	10,100	343	-	326	20,030
Calendar year					
January	9,610	-	-	310	19,060
February	8,319	310	-	297	16,500
March	9,845	350	301	318	19,530
April	23,471	1,300	336	782	46,550
May	32,390	1,150	922	1,045	64,240
June	20,884	1,060	538	696	41,420
July	15,786	556	442	509	31,310
August	14,104	479	437	455	27,970
September	13,025	457	417	434	25,830
Water year 1934-35	178,092	1,300	-	488	353,200

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 1935.

Extremes.- Maximum discharge during year, 212 second-feet June 18 (gage height, 2.22 feet); minimum mean daily discharge, 8.5 second-feet Feb. 28, Mar. 1-2.
1933-35: Maximum discharge observed, 424 second-feet June 17-18, 1933 (gage height, 2.76 feet, former datum): minimum mean daily discharge, that of Feb. 28, Mar. 1-2, 1935.

Remarks.- Records excellent except those estimated Dec. 3 to Feb. 19, and those for the period June 5-24, which are fair. Flow regulated by storage in Cottonwood Lakes. One small diversion above station.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 6-15)

Table for Oct. 1 to June 5

0.1	0	0.6	4.6	1.2	33
.2	.5	.8	10	1.4	48
.4	2.3	1.0	20	1.6	75

Table for June 6 to Sept. 30

0.8	5	1.6	62
1.0	15	1.8	100
1.2	26	2.0	147
1.4	41	2.2	205

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	14	12	12			8.5	9.4	21	66	88	39	25
2	13	12	12			8.5	9.4	20	64	90	39	25
3	13	12				8.8	9.4	19	64	88	42	25
4	14	12				8.8	9.4	19	68	86	43	25
5	14	12				8.8	9.7	19	77	69	42	24
6	14	12				8.8	10	21	96	69	41	23
7	15	12				8.8	10	21	118	69	41	22
8	15	12				9.1	10	20	153	67	43	24
9	14	12	12			19	11	21	153	64	42	23
10	14	12			10	18	11	21	193	62	40	22
11	14	12				9.1	11	23	167	60	38	22
12	14	12				9.4	12	24	184	60	38	21
13	13	12				9.4	13	24	184	58	38	21
14	14	12				9.4	15	25	196	56	38	21
15	15	13				9.7	18	25	190	56	38	21
16	14	12				9.7	18	25	202	56	38	21
17	14	13				10	16	27	205	55	36	20
18	13	12				8.8	15	27	208	55	35	20
19	14	12				8.8	18	30	205	55	35	19
20	13	12			9.7	8.8	21	30	199	54	35	18
21	13	12			9.7	8.8	23	32	178	52	35	19
22	13	12			9.7	8.8	24	34	169	50	33	20
23	13	12	11		9.7	8.8	24	38	172	50	32	22
24	13	12			9.7	9.1	22	44	178	48	32	24
25	13	12			9.7	9.1	22	56	167	46	30	21
26	13	12			9.7	9.1	21	63	158	44	30	21
27	13	12			9.7	9.7	22	68	133	42	29	21
28	13	12			8.5	8.8	22	70	123	42	27	21
29	13	12			-	8.8	21	66	118	42	25	21
30	12	12			-	8.8	22	66	96	41	24	21
31	12				-	9.4	-	68	-	41	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	419	15	12	13.5	831
November	362	13	12	12.1	718
December	356	-	-	11.5	706
Calendar year					
January	341	-	-	11	676
February	275.1	-	8.5	9.86	548
March	299.4	19	8.5	9.66	594
April	479.3	24	9.4	16.0	951
May	1,067	70	19	34.4	2,120
June	4,484	208	64	149	8,890
July	1,795	90	41	57.9	3,560
August	1,102	43	24	35.5	2,190
September	653	25	18	21.8	1,300
Water year 1934-35	11,633.8	208	8.5	31.9	23,080

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 1935.

Extremes.- Maximum discharge during year, 248 second-feet June 13 (gage height, 3.50 feet); minimum mean daily discharge, 29 second-feet Mar. 25, Apr. 6-10.
1932-35: Maximum discharge observed, 675 second-feet June 25, 1932 (gage height, 3.00 feet, former site); minimum not determined.

Remarks.- Records excellent except those for Apr. 21 to June 15, which are fair. One small diversion above station.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 26 to June 12)

1.9	25	2.5	93	3.1	184
2.0	33	2.6	107	3.2	200
2.1	42	2.7	121	3.3	216
2.2	52	2.8	136	3.4	232
2.3	65	2.9	152	3.5	248
2.4	79	3.0	168		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	37	36	36	34	31	31	45	108	117	75	57
2	36	37	37	36	34	31	31	44	106	107	73	57
3	37	36	37	36	34	31	30	43	101	103	73	57
4	36	35	37	36	34	31	30	43	107	100	72	57
5	37	35	37	36	34	31	30	44	122	94	72	57
6	36	34	35	36	34	32	29	43	139	94	71	57
7	36	34	35	36	34	32	29	44	160	93	71	57
8	35	34	35	36	34	31	29	45	182	92	69	57
9	35	34	35	36	34	31	29	55	222	89	69	57
10	35	34	35	36	34	31	29	69	224	89	71	56
11	34	34	36	36	34	31	31	71	224	86	69	55
12	34	34	35	36	34	31	31	75	234	85	69	53
13	35	33	34	36	34	31	31	73	240	87	68	53
14	35	33	34	36	34	31	32	72	218	90	68	52
15	35	34	35	36	34	32	36	72	206	89	66	51
16	35	34	35	36	34	32	38	75	186	89	66	51
17	35	34	35	36	34	31	38	66	160	89	68	51
18	34	34	35	36	32	31	38	60	136	87	68	50
19	34	34	35	36	31	31	39	60	118	85	66	50
20	34	34	35	35	31	31	43	61	130	86	65	50
21	34	34	35	33	31	51	46	64	130	86	65	51
22	34	34	35	34	31	31	50	71	134	85	65	50
23	35	34	35	33	31	31	51	82	139	83	65	49
24	34	35	35	33	31	31	40	103	154	83	65	49
25	34	36	36	34	31	29	46	114	152	80	62	48
26	35	36	36	34	31	30	44	117	139	80	61	49
27	35	33	36	34	31	30	44	116	133	82	60	49
28	36	33	36	34	31	30	45	113	132	80	60	48
29	35	34	36	34	-	30	45	111	128	78	58	47
30	35	33	36	34	-	30	47	108	126	78	58	47
31	36	-	36	34	-	30	-	108	-	76	58	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,087	37	34	35.1	2,160
November	1,030	37	33	34.3	2,040
December	1,100	37	34	35.5	2,180
Calendar year					
January	1,090	36	33	35.2	2,160
February	920	34	31	32.9	1,820
March	957	32	29	30.9	1,900
April	1,112	51	29	37.1	2,210
May	2,266	117	43	73.1	4,490
June	4,690	240	101	156	9,300
July	2,742	117	76	88.5	5,440
August	2,066	75	58	66.6	4,100
September	1,572	57	47	52.4	3,120
Water year 1934-35	20,632	240	29	56.5	40,920

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 1935.

Remarks.- Owing to drawdown at gage, contents July 10 to Sept. 30 computed from inflow-outflow records. Henrys Lake Reservoir impounds water for supplemental irrigation of lands served by several canals diverting from Henrye Fork. It has a capacity of 80,000 acre-feet between elevations 6,458 and 6,473 feet, eea-level datum, as determined by U. S. Bureau of Reclamation in 1935. Gates in dam closed Oct. 3 to June 30. Gage-height record and capcity table furnished by North Fork Reservoir Co.

Contents, in acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								-	-	20,629	9,909	3,548
2								-	-	20,629	9,271	3,476
3								-	-	20,629	8,601	3,403
4								-	-	20,629	8,015	3,367
5								-	14,749	20,629	7,518	3,294
6								-	-	20,629	7,084	3,222
7								-	-	20,629	6,809	3,149
8		140						-	-	20,629	6,612	3,077
9								-	-	20,579	6,376	3,004
10								-	-	20,429	6,179	2,932
11								-	-	20,329	5,982	2,896
12								-	16,627	20,029	5,785	2,859
13								-	-	19,829	5,627	2,823
14								-	16,877	19,279	5,430	2,787
15								-	-	18,928	5,272	2,750
16								-	-	18,528	5,114	2,714
17								-	-	18,028	4,997	2,678
18								-	-	17,578	4,878	2,642
19								-	18,378	17,127	4,750	2,606
20								-	-	16,627	4,720	2,569
21								-	-	16,155	4,564	2,533
22								-	-	15,639	4,424	2,497
23								-	-	15,171	4,366	2,460
24								12,733	-	14,702	4,287	2,424
25								-	-	14,233	4,170	2,352
26								-	19,629	13,717	4,090	2,316
27								-	-	13,108	3,972	2,207
28								-	-	12,498	3,893	2,134
29								14,044	-	11,845	3,815	2,062
30								-	20,629	11,229	3,696	2,026
31								-	-	10,569	3,620	-

Note.- Readings discontinued during winter and for other periods for which no records are given. Contents on Sept. 30, 1934, was 176 acre-feet.

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 post office.

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

Records available.- May 1920 to September 1935. Prior to September 1922 at a point 3 miles downstream and below the mouth of Dry Creek, whose flood waters have been diverted into Henrys Lake since 1923.

Extremes.- Maximum discharge during year, 349 second-feet Aug. 1 (gage height, 3.08 feet); minimum, about 2 second-feet leakage prior to June 30.
1920-35: Maximum discharge, 907 second-feet June 13, 1926 (gage height, 5.40 feet); minimum, 1 second-foot on various dates when reservoir gates were closed.

Remarks.- Records good. Flow controlled by operation of Henrys Lake gates, which were closed Oct. 3 to June 30. Discharge estimated June 30 to July 7 and Aug. 16-18.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	12							-			349	43
2	10							-			341	39
3	-							-			314	38
4	-							-		39	256	37
5	-							-			232	34
6	-							-			151	54
7	-							-			111	44
8	-							-		67	112	37
9	-							-		101	109	30
10	-							-		101	109	27
11	-							-		186	109	23
12	-							-		211	103	25
13	-							-	2	209	101	25
14	-							-		209	86	23
15	-							-		222	86	22
16	-							-		260	75	21
17	-							-		256	65	23
18	-							-		258	55	23
19	-							-		260	43	23
20	-							-		261	72	23
21	-							-		261	63	23
22	-							-		260	57	23
23	-							-		261	56	23
24	-							-		261	59	31
25	-							2		261	57	31
26	-							-		314	57	48
27	-							-		330	53	47
28	-							-		326	52	29
29	-							-		332	52	26
30	-							-	20	330	44	13
31	-							-		343	47	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	-	-	-	-	-
June	78	20	2	2.6	155
July	6,153	343	39	198	12,200
August	3,476	349	43	112	6,890
September	908	54	13	30.3	1,800
The period	-	-	-	-	21,040

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. Prior to May 15, 1935, staff gage in sec. 29, T. 13 N., R. 43 E., at Sneeds Bridge, 1 mile above mouth of Buffalo River and 2 miles west of Ponds Lodge and Island Park post office.

Records available.- January 1933 to September 1935.

Extremes.- Maximum discharge during year, 1,440 second-feet May 11 (gage height, 1.30 feet); minimum, 266 second-feet several days during March (gage height, 0.10 foot). 1933-35: Maximum discharge, that of May 11, 1935; minimum, that of March 1935.

Remarks.- Records good except those during periods of ice effect, Dec. 4-17, 23-28, Dec. 30 to Jan. 6, Jan. 16-28, and Jan. 28 to Feb. 3, which are fair. Flow regulated by storage in Henrys Lake. Gage heights read twice weekly Oct. 1 to Apr. 14, and discharge interpolated on intervening days. Gage read once daily Apr. 15 to May 14.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	332	312	304			276	268	570	814	491	655	403
2	329	311	304		310	266	271	588	788	491	660	400
3	327	310	336			266	272	515	777	491	660	400
4	325	316		310	330	266	274	515	772	487	637	400
5	323	323			310	266	275	588	762	483	592	396
6	322	329			310	267	276	646	767	480	571	393
7	322	326			310	269	280	725	767	491	506	396
8	322	322		310	310	270	283	872	772	506	480	396
9	322	322		308	310	272	287	963	772	498	476	393
10	319	322		307	310	273	282	1,180	757	494	465	390
11	316	322	310	305	310	275	276	1,340	747	537	458	390
12	313	322		304	310	276	287	1,290	737	571	458	387
13	310	322		304	310	276	298	1,080	722	571	454	381
14	314	319		304	310	276	304	963	698	571	447	374
15	318	316		304	310	276	310	777	655	588	440	374
16	322	313			310	276	335	777	614	623	440	374
17	322	310			306	276	322	783	592	614	430	374
18	322	314	310		302	276	322	798	571	614	430	374
19	322	318	310		298	276	335	798	554	610	426	374
20	322	322	310		298	274	360	798	550	614	419	374
21	322	318	310		298	271	388	798	535	614	436	374
22	322	314	310	307	298	268	570	830	525	614	447	374
23	322	309	310		298	266	515	873	521	610	444	387
24	324	304	310		294	269	432	873	514	610	444	384
25	326	306	310		290	273	417	862	498	601	436	378
26	328	308	310		286	276	449	868	487	601	436	378
27	329	310	310		283	272	515	862	483	632	430	387
28	325	310	310		280	269	515	835	483	651	426	384
29	320	310	310	310	-	268	515	793	487	646	423	381
30	316	307	310	310	-	266	570	798	480	651	413	381
31	314	-	310	310	-	266	-	830	-	651	403	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	9,972	332	310	322	19,820
November	9,467	329	304	316	18,780
December	9,624	336	-	310	19,090
Calendar year 1934	138,583	808	304	380	275,000
January	9,537	-	-	308	18,920
February	8,511	330	280	304	16,880
March	8,412	276	266	271	16,680
April	10,803	570	268	360	21,430
May	25,788	1,340	515	832	15,150
June	19,199	814	480	640	38,080
July	17,706	651	480	571	35,120
August	14,842	660	403	479	29,440
September	11,551	403	374	385	22,910
Water year 1934-35	155,412	1,340	266	426	308,300

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 1935.

Average discharge.- 21 years (1911-14, 1919-35), 1,020 second-feet.

Extremes.- Maximum discharge during year, 1,740 second-feet May 11 (gage height, 5.57 feet); minimum, 540 second-feet Dec. 8 (gage height, 3.70 feet).
1910-15, 1918-35: 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 December and January, which are fair. Gage read twice a week Dec. 1 to Feb. 3 and discharge interpolated. Discharge interpolated Feb. 13, 17. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	672	662	612	635	618	645	662	1,260	1,240	794	1,010	729
2	667	672	604	642	607	612	678	1,260	1,220	800	1,020	724
3	667	701	596	650	596	616	689	1,140	1,180	794	1,030	712
4	667	689	588	650	566	612	729	1,120	1,150	806	1,020	695
5	656	684	582	650	650	607	712	1,230	1,140	806	990	701
6	656	667	575	653	645	596	689	1,320	1,130	800	944	689
7	662	672	562	656	650	596	678	1,400	1,130	794	912	689
8	676	672	540	659	650	607	701	1,400	1,130	812	837	701
9	667	672	555	662	628	565	701	1,430	1,130	812	831	701
10	662	667	571	655	628	645	678	1,520	1,130	818	818	701
11	656	656	586	648	628	640	672	1,660	1,100	812	800	695
12	650	656	602	640	628	618	684	1,590	1,100	843	794	684
13	656	650	602	634	620	607	701	1,430	1,090	893	794	684
14	689	650	602	628	612	612	718	1,330	1,070	893	762	678
15	667	650	602	623	628	650	741	1,270	1,020	905	776	678
16	678	650	602	617	591	612	782	1,240	976	912	770	678
17	678	650	602	612	629	623	788	1,260	938	970	770	684
18	667	689	602	623	667	628	788	1,300	918	957	770	678
19	712	701	602	634	640	618	818	1,290	886	957	764	684
20	689	678	616		640	628	912	1,290	880	964	753	678
21	667	667	630		640	656	996	1,300	849	990	753	684
22	672	656	645		640	667	1,180	1,310	843	983	776	678
23	678	667	642		628	667	1,130	1,370	831	976	770	689
24	695	656	639		596	656	996	1,380	831	970	782	712
25	672	656	636	640	581	656	944	1,350	818	970	764	695
26	672	645	634		581	650	983	1,320	800	970	753	689
27	667	618	627		634	650	1,100	1,320	794	970	747	689
28	667	618	620		684	672	1,130	1,310	788	1,000	735	718
29	662	612	612		-	667	1,150	1,230	794	1,020	724	701
30	656	607	620	645	-	656	1,320	1,180	800	1,020	718	689
31	656	-	628	632	-	672	-	1,230	-	1,020	724	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	20,760	712	650	670	41,180
November	19,790	701	607	660	39,250
December	18,736	645	540	604	37,160
Calendar year 1934	256,616	1,020	540	703	509,000
January	19,848	662	612	640	39,370
February	17,525	684	581	626	34,760
March	19,608	672	565	633	38,890
April	25,450	1,320	662	848	50,480
May	41,040	1,660	1,120	1,324	81,400
June	29,706	1,240	788	990	58,920
July	28,031	1,020	794	904	55,600
August	25,431	1,030	718	820	50,440
September	20,807	729	678	694	41,270
Water year 1934-35	286,732	1,660	540	786	568,700

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 1935.

Extremes.- Maximum discharge during year, 2,450 second-feet May 11 (gage height, 6.78 feet); minimum daily discharge 494 second-feet Jan. 20 (gage height, 5.46 feet).
1902-9, 1920-35: Maximum discharge, 6,220 second-feet May 7, 1925; minimum daily discharge, 440 second-feet Dec. 5, 1931.

Remarks.- Records good. Flow regulated at times by operation of gates at power dam above station. No irrigation diversions above station except for wild-hay meadows on headwaters.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	778	874	1,030	714	854	921	812	1,690	1,810	1,070	1,260	975
2	778	886	887	879	792	887	819	1,650	2,000	1,050	1,280	949
3	778	923	830	757	799	799	619	1,450	1,740	1,050	1,280	936
4	814	936	839	628	834	865	867	1,460	1,700	1,050	1,280	949
5	826	874	832	828	826	802	919	1,650	1,690	1,040	1,260	1,090
6	838	910	797	864	879	823	875	1,850	1,620	1,050	1,160	1,200
7	838	862	865	937	879	823	812	1,920	1,650	1,070	1,150	1,230
8	826	862	839	878	879	846	889	1,910	1,630	1,070	1,010	1,110
9	862	862	797	891	854	818	906	1,960	1,620	1,070	949	1,050
10	862	862	797	826	799	787	839	2,160	1,620	1,070	949	1,180
11	838	850	791	826	708	854	872	2,450	1,530	1,050	1,010	1,200
12	838	862	730	882	753	874	863	2,350	1,600	1,070	988	1,200
13	862	862	759	741	783	834	780	2,080	1,550	1,130	988	1,190
14	862	862	980	799	862	842	988	1,910	1,500	1,180	1,010	1,130
15	886	862	920	831	799	850	1,000	1,890	1,430	1,180	988	1,120
16	862	850	899	938	862	930	1,070	1,830	1,350	1,180	988	1,070
17	874	862	867	726	776	858	1,080	1,890	1,250	1,230	988	1,030
18	874	898	834	574	844	862	1,070	1,960	1,250	1,280	1,010	1,040
19	923	923	825	879	795	873	1,070	1,980	1,220	1,350	1,000	1,030
20	936	898	842	494	867	792	1,200	1,920	1,190	1,350	988	988
21	886	886	876	560	879	854	1,450	1,940	1,200	1,350	975	975
22	874	886	845	843	823	871	1,580	1,980	1,160	1,310	1,000	988
23	886	874	817	934	879	884	1,580	2,040	1,120	1,320	1,010	1,000
24	886	862	757	979	654	831	1,340	2,140	1,130	1,250	1,080	988
25	949	874	845	934	788	831	1,230	2,020	1,090	1,230	1,000	949
26	874	898	845	884	574	827	1,290	1,910	1,070	1,220	1,000	936
27	874	886	828	851	966	812	1,480	1,960	1,070	1,200	1,000	936
28	874	874	912	854	887	785	1,530	1,960	1,050	1,250	1,000	949
29	874	838	862	871	-	887	1,510	1,790	1,040	1,250	988	962
30	874	874	784	838	-	831	1,810	1,650	1,040	1,260	975	962
31	862	-	706	823	-	827	-	1,780	-	1,260	962	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	26,668	949	778	860	52,900
November	26,332	936	838	878	52,230
December	26,037	1,030	706	840	51,640
Calendar year 1934	350,166	1,670	706	959	694,400
January	25,463	979	494	821	50,500
February	22,894	966	574	818	45,410
March	26,180	930	785	845	51,930
April	33,350	1,810	780	1,112	66,150
May	59,130	2,450	1,450	1,907	117,300
June	41,920	2,000	1,040	1,397	83,150
July	36,490	1,550	1,040	1,177	72,380
August	32,526	1,280	949	1,049	64,510
September	31,312	1,230	936	1,044	62,110
Water year 1934-35	388,302	2,450	494	1,064	770,200

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 a part of each irrigation season from 1919 to 1935.

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

Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								995	1,090	969	701	335
2								1,010	1,030	855	604	337
3								994	1,000	825	672	338
4								1,000	911	811	571	338
5								1,020	937	641	667	341
6								1,030	969	638	564	346
7								1,070	1,050	679	602	349
8								1,080	1,120	685	540	348
9								1,090	1,170	696	539	347
10								1,110	1,210	706	538	365
11								1,130	1,250	709	538	417
12								1,080	1,280	728	550	424
13								1,040	1,230	744	488	430
14								1,020	1,220	742	436	430
15								1,040	1,180	732	441	430
16								1,070	1,130	729	446	400
17								1,080	994	736	430	403
18								1,090	983	705	414	400
19								1,110	1,020	816	400	402
20								1,120	1,000	806	377	401
21								1,090	989	628	373	378
22								1,120	995	607	369	374
23								1,080	994	596	372	367
24								1,130	998	645	374	353
25								1,130	982	626	366	333
26								1,140	978	623	348	349
27								1,130	967	606	322	349
28								1,120	966	699	325	356
29								1,130	947	699	324	372
30								1,130	975	697	323	371
31								1,140	-	697	323	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	33,519	1,140	994	1,081	66,480
June	31,565	1,280	911	1,052	62,610
July	22,079	969	598	712	43,790
August	14,337	701	322	462	28,440
September	11,185	430	333	373	22,180
The period	-	-	-	-	223,500

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 1935 (no records during winter months).

Extremes.- Maximum discharge observed during year, 3,890 second-feet June 2 (gage height, 4.86 feet); minimum, 468 second-feet Nov. 8 (gage height, 2.80 feet).
1919-35: Maximum observed discharge, 9,030 second-feet May 8, 1925 (gage height, 6.70 feet); minimum, 405 second-feet June 10 and 11, 1934 (gage height, 2.73 feet).

Remarks.- Records excellent. Diversions for irrigation above and below station. Flow regulated at times 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	729	675					934	1,600	2,490	729	711	1,080
2	729	702					981	1,520	3,580	622	675	1,070
3	693	711					952	1,310	3,200	684	657	1,040
4	720	702					1,030	1,290	2,740	829	666	1,040
5	747	630					1,060	1,570	2,670	783	657	1,040
6	738	622					1,060	2,010	2,560	720	590	1,040
7	720	598					934	2,130	2,510	657	622	1,070
8	711	598					1,020	2,230	2,470	639	630	1,000
9	729	639					1,030	2,320	2,560	622	896	962
10	702	657					990	2,650	2,560	666	914	1,100
11	648	648					981	2,980	2,380	657	972	1,100
12	630	693					972	2,950	2,360	606	952	1,080
13	684	666					838	2,490	2,470	648	85e	1,020
14	711	648					1,030	2,050	2,430	684	658	1,000
15	738	675					1,030	1,940	2,170	693	83e	1,010
16	738	639					1,110	1,920	1,840	675	972	1,010
17	711	648					1,030	2,110	1,550	756	1,080	1,030
18	684	765					886	2,290	1,310	829	1,040	1,000
19	666	905					867	2,470	1,170	783	952	914
20	720	886					972	2,380	1,150	801	943	896
21	684	838					1,260	2,580	1,170	848	914	886
22	657	820					1,420	2,740	1,100	792	943	905
23	657	810					1,420	2,930	1,100	810	952	934
24	648	765					1,130	3,170	1,100	829	990	1,000
25	702	675					972	3,150	962	783	924	943
26	684	684					990	2,950	810	756	876	914
27	666	756					1,220	2,830	711	729	952	990
28	657	829					1,330	2,790	792	711	1,000	990
29	622	829					1,310	2,320	783	711	1,060	981
30	614	829					1,620	2,130	792	720	1,060	972
31	614	-					-	2,400	-	720	1,070	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	21,353	747	614	689	42,350
November	21,542	905	598	718	42,730
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	32,379	1,620	838	1,079	64,220
May	72,200	3,170	1,290	2,329	143,200
June	55,490	3,580	711	1,850	110,100
July	22,492	829	606	726	44,610
August	27,224	1,060	590	878	54,000
September	30,017	1,100	886	1,001	59,540
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 a part of each irrigation season from 1919 to 1935.

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

Records good.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								886	991	684	664	334
2								889	922	651	655	327
3								890	873	691	645	321
4								898	872	712	647	327
5								892	944	748	650	332
6								909	972	797	526	399
7								691	1,010	739	598	403
8								946	993	656	612	400
9								966	1,060	647	622	398
10								986	1,020	725	586	400
11								1,000	1,000	660	527	408
12								985	1,020	694	510	411
13								961	1,020	619	487	427
14								963	953	628	498	447
15								981	906	662	538	473
16								989	858	700	548	335
17								972	822	798	539	334
18								976	827	799	529	370
19								975	876	791	527	367
20								955	866	789	357	376
21								975	880	745	344	385
22								980	877	697	365	394
23								1,000	859	698	367	403
24								1,020	859	702	369	402
25								998	809	699	363	428
26								1,010	755	688	353	432
27								1,010	718	680	370	424
28								1,050	671	685	383	413
29								1,020	737	692	380	358
30								1,000	777	683	377	347
31								1,000	-	671	376	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	29,774	1,050	691	960	59,060
June	26,751	1,060	671	892	53,060
July	21,730	799	594	701	43,100
August	15,312	664	344	494	30,370
September	11,575	473	321	386	22,960
The period	-	-	-	-	208,600

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 1935.

Extremes.- Maximum discharge during year, 3,620 second-feet June 3 (gage height, 6.42 feet); minimum, 240 second-feet Nov. 8-9 (gage height, 1.48 feet).
1909-35: 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 periods of ice effect, Dec. 3-18, Dec. 28 to Feb. 28, which are fair. Flow regulated by operation of headgates of irrigation canals above station. No diversions from Henrys Fork below station. Discharge interpolated Mar. 3-9.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	690	371	846			1,140	1,130	940	2,250	770	359	1,020
2	615	347	1,020			1,140	1,130	880	2,620	765	351	1,080
3	585	331	1,050				1,130	841	3,620	745	343	1,080
4	544	323	1,070				1,150	670	3,420	715	335	1,060
5	544	287	1,100				1,200	740	3,070	715	327	1,050
6	544	258	1,130			1,090	1,260	1,010	2,780	690	335	1,020
7	526	247					1,180	1,430	2,670	635	327	1,040
8	480	240					1,130	1,570	2,550	595	319	1,020
9	480	240					1,110	1,540	2,550	557	331	924
10	490	303				1,040	1,020	1,590	2,750	530	472	952
11	458	347				1,040	929	1,860	2,750	503	675	1,040
12	444	375	1,130			1,100	902	2,080	2,620	494	755	1,030
13	454	400				1,110	841	2,060	2,650	480	765	964
14	480	383				1,170	780	1,680	3,030	476	690	907
15	508	400				1,260	970	1,400	3,150	462	665	896
16	530	404				1,280	1,080	1,270	2,860	458	655	858
17	526	422				1,280	1,070	1,370	2,500	454	775	918
18	494	454				1,200	819	1,580	2,890	440	841	946
19	480	544	1,140			1,190	685	1,770	1,510	444	824	874
20	498	620	1,110			1,160	610	1,960	1,280	431	792	614
21	521	570	1,110			1,130	670	2,020	1,270	431	641	786
22	490	557	1,200			1,200	958	2,300	1,250	472	858	770
23	480	562	1,160			1,220	1,130	2,570	1,200	467	880	786
24	570	557	1,020			1,230	1,010	2,890	1,240	485	902	824
25	566	503	912			1,220	715	3,160	1,220	472	916	630
26	548	480	912			1,220	552	3,260	1,050	444	808	755
27	530	539	958			1,170	566	3,060	907	431	824	770
28	512	625	934			1,150	715	2,940	824	413	880	824
29	498	755	1,020			1,100	740	2,740	770	391	940	841
30	476	770	1,000			1,140	760	2,260	755	375	976	852
31	436	-	1,000			1,130	-	2,050	-	371	982	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	15,997	690	436	516	31,730
November	13,214	770	240	440	26,210
December	33,252	-	-	1,073	65,950
Calendar year 1934	253,781	1,040	183	695	503,300
January	34,100	-	-	*1,100	67,640
February	30,800	-	-	*1,100	61,090
March	35,650	1,280	1,040	1,150	70,710
April	27,932	1,260	552	931	55,400
May	57,491	3,260	670	1,555	114,000
June	64,006	3,620	755	2,133	127,000
July	16,111	770	371	520	31,960
August	20,745	982	319	669	41,150
September	27,531	1,080	755	918	54,610
Water year 1934-35	376,829	3,620	240	1,032	747,500

*Estimated.

Diversions from Fall River above gaging station near Squirrel, Idaho

Above the Squirrel gaging station, three canals divert water from Fall River for irrigation. Records available for a part of irrigation season from 1919 to 1935.

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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									4	0	125	36
2									4	0	125	30
3									14	0	120	30
4									14	196	141	30
5									14	206	134	30
6									24	209	125	30
7									29	190	0	26
8									29	198	0	25
9									46	184	0	25
10									58	0	0	25
11									58	0	0	21
12									100	0	0	21
13									116	0	0	21
14									134	0	0	21
15									134	0	0	0
16									147	0	0	0
17									147	0	0	20
18									156	0	0	20
19									165	0	0	20
20									174	85	0	20
21									179	91	0	19
22									186	92	0	19
23									188	0	0	20
24									192	0	0	22
25									197	0	0	20
26									202	0	0	20
27									202	0	23	19
28									202	0	23	19
29									202	0	36	19
30									202	0	38	19
31									-	0	36	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	0	0	0	0	0
June	3,521	202	4	117	6,980
July	1,451	209	0	46.8	2,880
August	926	141	0	29.9	1,840
September	647	36	0	21.6	1,280
The period	-	-	-	-	12,980

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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 1935. August 1902 to December 1903 at Wilson's sawmill 3 miles upstream.

Average discharge.- 17 years (1918-35), 2,940 second-feet.

Extremes.- Maximum discharge observed during year, 2,940 second-feet June 2 (gage height, 4.24 feet); minimum, 215 second-feet Mar. 9 (gage height, 1.64 feet).
1904-9, 1918-35: Maximum discharge observed, 6,440 second-feet June 27, 1927; minimum, 72 second-feet Feb. 9, 1930.

Remarks.- Records good except those estimated during periods of ice effsct, Dec. 3-17, 21-26, 31, Jan. 1, 8-12, 15, 16, Jan. 20 to Feb. 4, Feb. 6-9, which are fair. Diversions for irrigation above and below station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	340	318	358	350		318	340	840	2,200	890	606	502
2	329	346	358	352		318	329	870	2,940	850	456	502
3	329	358		352	330	364	329	738	2,060	850	456	502
4	329	376	350	352		329	376	850	1,920	792	449	486
5	318	329		352	332	296	352	990	1,920	747	449	486
6	307	329		340		329	329	1,260	2,170	693	442	486
7	318	340		340		329	329	1,240	2,110	702	442	486
8	376	340			330	285	340	1,620	2,490	630	574	486
9	340	329				215	340	1,570	2,670	614	566	486
10	324	329	340	340	318	275	340	1,750	2,700	765	558	486
11	318	329			285	318	352	1,720	2,640	729	558	478
12	318	316			285	352	352	1,620	2,700	729	550	478
13	312	312		346	340	296	414	1,310	2,850	747	550	478
14	318	307		318	340	296	428	1,220	2,850	729	550	478
15	329	307		320	352	352	486	1,140	2,280	693	550	502
16	340	307	350	320	275	364	614	1,290	2,180	657	550	486
17	318	307		329	285	352	526	1,750	1,710	711	542	486
18	329	376	364	307	318	352	566	1,620	1,530	675	542	478
19	388	364	364	318	329	340	598	1,590	1,620	566	574	478
20	340	364	364		340	340	666	1,590	1,650	550	550	470
21	340	352			352	340	684	1,670	1,620	534	550	463
22	340	340			352	352	702	1,920	1,680	518	550	463
23	340	329			352	340	738	1,970	1,710	630	558	478
24	352	307	350		296	340	598	2,030	1,610	630	550	566
25	414	318			275	340	598	2,230	1,260	630	550	486
26	376	329		325	352	352	648	2,030	1,180	630	550	478
27	364	352	352		245	352	756	2,110	1,090	614	542	470
28	329	352	352		364	340	756	1,810	1,090	598	518	470
29	318	364	352			340	792	1,810	1,180	598	510	463
30	307	364	352			340	870	1,750	1,060	598	510	463
31	307	-	350			340	-	1,950	-	606	502	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10,407	414	307	336	20,640
November	10,092	376	307	336	20,020
December	10,836	-	-	350	21,490
Calendar year 1934	183,245	1,780	255	502	363,600
January	10,296	352	307	332	20,420
February	9,027	364	245	322	17,900
March	10,196	364	215	329	20,220
April	15,548	870	329	518	30,840
May	47,658	2,230	738	1,544	94,920
June	58,670	2,940	1,060	1,956	116,400
July	20,905	890	518	674	41,400
August	16,404	606	442	529	32,540
September	14,520	566	463	484	28,800
Water year 1934-35	234,759	2,940	215	643	465,600

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 a part of each irrigation season from 1919 to 1935.

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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								178	530	586	400	32
2								179	540	589	434	30
3								183	569	589	426	28
4								196	588	593	417	30
5								198	611	529	435	167
6								218	627	541	448	207
7								232	679	580	320	247
8								219	735	547	232	247
9								219	750	486	134	113
10								225	784	503	38	98
11								235	806	522	34	90
12								235	832	513	30	209
13								246	844	509	106	211
14								266	849	508	93	208
15								252	846	500	110	205
16								285	844	507	73	67
17								297	851	381	83	46
18								310	852	389	230	106
19								320	858	394	230	169
20								332	871	404	228	176
21								341	861	546	226	184
22								366	851	548	225	199
23								365	844	547	232	205
24								386	833	545	236	192
25								374	829	545	291	203
26								453	822	551	210	199
27								459	837	545	220	199
28								466	659	543	35	199
29								510	650	545	32	199
30								510	629	546	38	199
31								515	-	514	36	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	9,590	515	178	309	19,020
June	22,681	871	530	756	44,990
July	16,145	593	381	521	32,020
August	6,284	448	30	203	12,460
September	4,664	247	28	155	9,250
The period	-	-	-	-	117,700

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 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 2,630 second-feet June 2 (gage height, 4.31 feet); minimum, 33 second-feet Aug. 6 (gage height, 1.02 feet).
1920-35: Maximum discharge, 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 estimated May 1 and June 23-26. No record Nov. 1 to Apr. 30. Station below all irrigation diversions from Fall River.

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

Table for Oct. 1-31, 1934

1.30	76
1.50	118
1.70	175
1.90	245

Table for May 1 to Sept. 30, 1935

1.00	32	1.80	215	2.60	675	4.00	2,180		
1.20	55	2.00	306	2.80	840	4.30	2,615		
1.40	87	2.20	415	3.00	1,025				
1.60	140	2.40	530	3.50	1,550				

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	157							840	1,730	459	98	482
2	154							840	2,560	366	30	470
3	149							780	2,210	355	73	476
4	154							832	1,860	360	68	470
5	151							1,030	1,790	303	66	350
6	142							1,270	1,790	228	43	245
7	123							1,290	1,830	196	35	258
8	140							1,430	1,950	176	125	258
9	140							1,440	2,110	172	488	344
10	126							1,610	2,110	268	500	399
11	140							1,620	2,090	263	500	404
12	134							1,570	2,040	249	506	350
13	132							1,290	2,170	228	308	288
14	160							1,150	2,130	236	283	288
15	151							1,070	1,850	219	273	303
16	166							1,220	1,550	203	464	360
17	157							1,370	1,270	293	506	420
18	111							1,460	996	308	482	360
19	86							1,560	894	219	398	278
20	145							1,520	912	224	376	273
21	151							1,740	921	140	366	273
22	148							1,830	903	66	366	278
23	157							1,940	900	92	382	293
24	160							2,090	880	110	382	355
25	196							2,140	600	101	293	308
26	219							2,070	500	96	283	334
27	188							1,960	482	92	360	426
28	166							1,850	559	94	404	420
29	145							1,560	579	85	482	415
30	142							1,520	565	82	470	415
31	140							1,670	-	84	470	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,631	219	86	149	9,190
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	45,562	2,140	780	1,470	90,370
June	42,730	2,560	482	1,424	84,750
July	6,367	459	66	205	12,630
August	9,930	506	35	320	19,700
September	10,593	482	245	353	21,010
Water year	-	-	-	-	-

Teton River near Tetonia, Idaho

Location.- Water-stage recorder, lat. 43°51', long. 111°15', in sec. 15, T. 6 N., R. 44 E., 1¾ mile below State highway bridge and 6 miles northwest of Tetonia.

Drainage area.- 460 square miles.

Records available.- October 1929 to September 1932; May 1934 to September 1935 (irrigation seasons only).

Extremes.- Maximum discharge during period July to September 1935, 454 second-feet July 22 (gage height, 1.15 feet); minimum, 254 second-feet Sept. 20, 21 (gage height, 0.84 foot).

1929-35: Maximum discharge, 1,500 second-feet June 27, 1932 (gage height, 2.48 feet); minimum, 100 second-feet Sept. 21, 1934 (gage height, 0.47 foot).

Remarks.- Records good. Discharge interpolated July 14-16. Flow affected by diversions from tributaries above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1											414	359
2											397	354
3											392	342
4											386	329
5											380	324
6											354	319
7											344	314
8											339	314
9											334	314
10											334	310
11											324	305
12											329	301
13										408	334	292
14										407	324	288
15										405	314	283
16										403	310	274
17										402	319	270
18										402	364	258
19										397	392	258
20										397	380	254
21										425	370	254
22										448	364	258
23										425	375	262
24										425	414	329
25										414	392	
26										397	380	
27										392	364	
28										370	354	
29										354	349	
30										354	344	
31										392	344	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	-	-	-	-	-
June	-	-	-	-	-
July 13-31	7,617	448	354	401	15,110
August	11,114	414	310	359	22,040
September 1-24	7,165	359	254	299	14,210
The period	-	-	-	-	51,360

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 1935.

Extremes.- Maximum discharge during year, 2,540 second-feet June 14 (gage height, 5.20 feet); minimum occurred during ice period, exact amount unknown.
1903-9, 1920-35: 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).

Remarks.- Records excellent except those during periods of ice effect, Dec. 4-21, 26-30, Jan. 3-7, Jan. 13 to Feb. 8, 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	328	344	328	313	248	302	354	612	1,240	1,010	675	504
2	347	332	325	295		291	342	596	1,480	990	666	513
3	344	336	280			298	346	580	1,510	978	646	504
4	336	336	310			302	376	549	1,300	952	639	504
5	332	340	310	295	270	298	402	540	1,300	933	630	504
6	332	351				291	394	603	1,470	927	598	513
7	336	367				291	390	711	1,560	909	580	500
8	344	340		295		298	394	666	1,660	897	572	513
9	351	328		295	302	291	468	644	1,810	867	558	554
10	344	321		284	287	273	486	698	1,840	837	549	490
11	344	321		295	298	310	504	765	1,880	825	540	482
12	347	313		287	340	306	572	776	1,930	798	522	482
13	344	317			298	310	745	760	2,180	792	518	554
14	347	321	310		313	340	1,130	702	2,410	776	504	554
15	347	313			295	423	1,270	666	2,220	770	495	544
16	371	313			302	427	1,070	706	1,860	765	482	518
17	406	313			325	386	820	849	1,540	755	482	438
18	371	325			317	382	706	1,020	1,300	730	513	426
19	371	336			302	363	648	1,060	1,220	702	558	454
20	390	336			295	359	634	1,100	1,290	702	562	426
21	382	332			298	355	670	1,260	1,330	720	554	418
22	371	328	310	270	298	351	750	1,460	1,330	745	544	418
23	378	325	298		306	340	760	1,620	1,360	720	549	422
24	390	321	306		306	340	670	1,840	1,390	706	585	450
25	394	313	291		313	344	603	1,660	1,190	693	567	477
26	419	313			306	351	562	1,730	1,070	675	549	442
27	396	310			328	336	544	1,720	1,040	662	531	422
28	374	313	291		317	332	558	1,600	1,060	657	518	414
29	371	306			-	347	540	1,340	1,100	648	513	410
30	374	313			-	344	562	1,220	1,100	644	504	410
31	371	-	291		-	355	-	1,320	-	652	500	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11,242	419	328	363	22,300
November	9,777	367	306	326	19,390
December	9,464	-	-	305	18,770
Calendar year 1934	142,937	826	248	392	283,600
January	8,669	-	-	280	17,190
February	8,284	340	248	296	16,430
March	10,336	427	273	333	20,500
April	18,272	1,270	342	609	36,240
May	31,615	1,880	540	1,020	62,710
June	45,010	2,410	1,040	1,500	89,260
July	24,437	1,010	644	788	48,470
August	17,205	675	482	555	34,130
September	14,260	554	410	475	28,280
Water year 1934-35	208,571	2,410	-	571	413,700

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

Between St. Anthony gaging station and mouth of the stream 15 separate canals divert water from Teton River for irrigation. Records available for a part of each irrigation season from 1919 to 1935.

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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								529	955	1,010	592	446
2								528	929	1,020	619	459
3								528	893	1,020	608	452
4								545	944	1,010	590	458
5								571	1,000	1,000	572	451
6								614	1,020	997	538	456
7								681	1,060	969	533	450
8								678	1,080	922	522	441
9								677	1,100	900	506	430
10								676	1,130	890	483	416
11								519	1,190	832	466	405
12								522	1,240	738	444	407
13								515	1,300	767	434	459
14								519	1,280	761	431	456
15								519	1,270	770	439	457
16								517	1,230	747	431	463
17								656	1,240	748	437	448
18								663	1,240	725	484	365
19								672	1,180	697	531	353
20								682	1,170	698	524	321
21								716	1,140	705	526	339
22								756	1,140	699	516	313
23								773	1,130	693	506	313
24								785	1,140	665	528	330
25								837	1,140	671	550	401
26								911	1,170	657	509	310
27								923	1,160	644	481	327
28								934	1,140	613	494	339
29								958	1,140	650	449	345
30								967	1,110	587	439	340
31								973	-	580	436	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year 1934					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	21,344	973	515	689	42,340
June	33,861	1,300	893	1,129	67,160
July	24,405	1,020	580	787	48,410
August	15,620	619	431	504	30,980
September	11,950	463	310	398	23,700
The period	-	-	-	-	212,600

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 1935.

Extremes.- Maximum discharge during year, 318 second-feet Apr. 24 (gage height, 6.60 feet); no flow on many days.
1913-35: Maximum discharge, 868 second-feet May 21, 1921; no flow on many days.

Remarks.- Records good except those estimated during period of ice effect, Dec. 2 to Mar. 3, which are poor. Discharge interpolated Mar. 5, 7, 10, 12, 14, 17, 19, 21, 22, April 21-23. Flow regulated by storage at Blackfoot Dam, by diversions for irrigation, and by waste, especially during the winter, from several Snake River canals, which discharge into Blackfoot River above station through Sand Creek and Idaho Canal.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0	210		30	30	119	107	52	87		
2		0	190		30	35	105	117	122	45		
3		0	170			40	87	135	205	4		
4		0	150			46	74	161	190	4		
5		0	130	100		44	79	126	167	72		
6		0	110		30	42	67	114	58	36		
7		0	90			34	54	128	24	0		
8		0	80			27	51	137	7	0		
9		0	80			16	48	113	8	0		
10		0	79	106		20	42	63	36	0		
11		0	79		20	23	19	51	12	0		
12		0	78	100		30	9	44	0	0		
13		0	76			38	23	79	0	0		
14		0	75			66	10	98	0	0		
15		0	75			95	123	88	0	9		
16		0	75		15	57	60	48	4	0		
17		0	75			54	89	48	36	0		
18		0				50	82	109	15	0		
19		0			10	42	52	235	0	0		
20		0				34	65	267	0	0		
21		0				42	128	221	0	0		
22		0		30		50	191	156	0	0		
23		38				56	254	132	0	0		
24		31	90		20	56	318	103	0	0		
25		16				68	248	62	0	0		
26		60				75	159	19	0	0		
27		83				73	68	4	0	0		
28		172				69	93	30	0	0		
29		190			-	31	98	10	0	0		
30		221			-	27	116	11	14	0		
31		-			-	92	-	29	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	811	221	0	27.0	1,610
December	3,082	-	-	99.4	6,110
Calendar year 1934	27,342	336	0	74.9	54,280
January	1,846	-	-	59.5	3,660
February	615	-	-	22.0	1,220
March	1,462	95	16	47.2	2,900
April	2,931	318	9	97.7	5,810
May	3,045	267	4	98.2	6,040
June	950	205	0	31.7	1,880
July	257	87	0	8.29	510
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	14,999	318	0	41.1	29,740

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, 2⅝ 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 1935.

Extremes.- Maximum contents during year, 23,500 acre-feet May 19 (mean daily gage height, 5.45 feet); minimum, 1,540 acre-feet Sept. 15 (mean daily gage height, -1.18 feet).

1921-35: Maximum contents observed, 61,660 acre-feet May 5, 1923 (gage height, 9.20 feet); minimum, 988 acre-feet July 31, 1934 (mean daily gage height, -1.60 feet).

Remarks.- Records good. High winds occasionally disturb the recording of mean lake stages. Contents interpolated Nov. 24-27, 29, 30, Dec. 1-13, 22, 23, 26, 28, Mar. 19-21, Apr. 2, 3. Water diverted from tributaries and from lake by pumping and gravity during irrigation season. Gage-height record furnished by court-appointed water commissioner for District 66 and by Owsley Canal Co.

Contents, in acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,780	1,900	5,020	8,320	12,700	16,000	20,000	22,600	20,600	8,560	2,450	1,960
2	1,750	2,350	5,130	8,950	12,800	16,100	20,000	22,900	20,300	8,170	2,560	1,960
3	1,790	2,200	5,250	9,120	12,800	16,200	20,100	23,000	20,000	7,800	2,480	2,020
4	1,780	2,400	5,360	9,290	12,900	16,400	20,100	22,900	19,800	7,390	2,290	1,980
5	1,800	2,450	5,470	9,390	13,100	16,400	20,200	23,000	19,500	7,240	2,350	1,960
6	1,820	2,430	5,580	9,490	13,200	16,500	20,300	23,000	19,300	6,940	2,320	2,100
7	1,590	2,460	5,700	9,600	13,400	16,600	20,500	23,300	19,000	6,720	2,270	2,090
8	1,840	2,460	5,810	9,740	13,500	16,700	20,800	23,100	18,600	6,410	2,300	1,970
9	1,850	2,500	5,920	9,800	13,700	16,800	21,000	23,000	18,200	6,120	2,260	1,920
10	1,860	2,510	6,040	9,880	13,800	17,000	21,100	22,900	17,900	5,750	1,980	1,920
11	1,860	2,530	6,150	9,980	13,900	17,200	21,100	22,900	17,500	5,650	2,240	1,780
12	1,800	2,560	6,260	10,100	14,000	17,300	21,300	23,000	17,100	5,440	2,160	1,840
13	1,760	2,590	6,380	10,200	14,100	17,300	21,200	23,000	16,700	5,160	2,040	1,790
14	1,940	2,620	6,490	10,300	14,200	17,500	21,300	23,100	16,200	4,880	1,860	1,860
15	1,800	2,750	6,620	10,500	14,300	17,600	21,300	23,100	15,700	4,640	1,860	1,540
16	1,910	2,860	6,720	10,700	14,500	17,700	21,300	23,100	15,400	4,310	1,940	1,690
17	1,940	2,960	6,860	10,800	14,600	17,900	21,600	23,000	15,000	4,210	1,940	1,760
18	1,920	2,940	6,990	11,000	14,700	18,000	21,500	23,100	14,700	3,950	1,860	1,840
19	1,790	3,230	7,160	11,200	14,900	18,200	21,500	23,500	13,600	3,740	2,040	1,820
20	2,000	3,360	7,270	11,400	15,000	18,400	21,600	23,200	13,500	3,610	1,960	1,970
21	2,080	3,450	7,420	11,600	15,100	18,500	21,400	23,000	13,100	3,500	1,980	1,980
22	1,800	3,540	7,560	11,700	15,200	18,700	21,300	22,900	12,600	3,390	1,980	2,020
23	2,000	3,700	7,690	11,700	15,300	18,800	21,700	22,900	12,000	3,280	2,000	2,020
24	2,090	3,900	7,830	11,700	15,400	18,900	21,800	22,600	11,700	3,130	1,960	2,030
25	2,180	4,090	7,950	12,000	15,500	19,000	22,100	22,500	11,300	3,080	1,970	2,080
26	2,350	4,290	8,060	12,100	15,600	19,100	22,100	22,300	10,800	3,010	1,970	2,240
27	2,350	4,480	8,170	12,200	15,700	19,200	22,400	22,000	10,300	2,890	1,960	2,120
28	2,370	4,680	8,330	12,300	15,700	19,200	22,600	21,800	9,840	2,820	1,940	1,980
29	2,370	4,790	8,490	12,400	-	19,500	22,300	21,400	9,250	2,750	1,980	1,970
30	2,380	4,910	8,660	12,500	-	19,600	22,400	21,200	8,850	2,670	1,910	2,030
31	2,400	-	8,750	12,600	-	19,700	-	20,900	-	2,580	2,000	-

Camas Creek at Camas, Idaho

Location.- Water-stage recorder, lat. 44°, 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.

Records available.- April 1925 to September 1935.

Extremes.- Maximum discharge during year, 147 second-feet Apr. 23 (gage height, 1.33 feet); no flow Oct. 1 to Apr. 17 and July 17 to Sept. 30.
1925-35: Maximum discharge, 335 second-feet May 16, 1932 (gage height, 2.24 feet); no flow June 1-7, 1928, and numerous periods during 1930-35.

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

Discharge, 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	76	98	8		
2							0	76	123	13		
3							0	76	119	19		
4							0	65	102	18		
5							0	54	94	14		
6							0	56	93	10		
7							0	55	90	6		
8							0	52	90	2		
9							0	47	88	0		
10							0	40	87	1		
11							0	44	85	4		
12							0	58	83	4		
13							0	59	79	4		
14							0	65	74	2		
15							0	65	69	1		
16							0	59	72	1		
17							0	55	98	0		
18							5	64	72	0		
19							13	94	50	0		
20							40	103	35	0		
21							77	103	21	0		
22							132	96	13	0		
23							125	97	11	0		
24							110	104	10	0		
25							73	114	7	0		
26							68	114	4	0		
27							76	112	3	0		
28							92	104	3	0		
29							88	97	3	0		
30							72	96	5	0		
31							-	93	-	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	.80	579
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	971	132	0	32.4	1,930
May	2,395	114	40	77.3	4,750
June	1,781	123	3	59.4	3,530
July	107	19	0	3.5	212
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	5,254	132	0	14.4	10,420

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 1935.

Discharge.- Maximum discharge during year, 126 second-feet Apr. 22 (gage height, 1.82 feet); no flow Oct. 1 to Apr. 20, May 8-10, 16, and June 19 to Sept. 30.
1921-35: Maximum discharge, 858 second-feet Apr. 7, 1930; maximum gage height about 6.50 feet Mar. 16, 1926; no flow for long periods.

Remarks.- Records good except those estimated Apr. 20-22 and those below 15 second-feet, which are fair. Diversions for irrigation above station. During summer practically entire flow is diverted below gage for irrigation. Gage-height record and two discharge measurements furnished by water master for District 66.

Discharge, 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	37	67			
2							0	20	53			
3							0	10	44			
4							0	3	38			
5							0	3	32			
6							0	6	30			
7							0	1	28			
8							0	0	23			
9							0	0	20			
10							0	0	17			
11							0	2	15			
12							0	0	16			
13							0	2	12			
14							0	7	9			
15							0	3	9			
16							0	0	7			
17							0	11	6			
18							0	47	2			
19							0	42	0			
20							0	44	0			
21							30	35	0			
22							70	33	0			
23							79	38	0			
24							30	49	0			
25							17	50	0			
26							19	47	0			
27							38	46	0			
28							37	44	0			
29							18	41	0			
30							18	37	0			
31							-	53	0			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	0	0	0	0	0
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	356	79	0	11.9	706
May	711	53	0	22.9	1,410
June	428	67	0	14.3	849
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	1,495	79	0	4.1	2,965

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 1935.

Extremes.- 1921-35: 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.- Flow is affected by irrigation diversions above Dubois (about 14 miles above gage) and by heavy channel losses below Dubois. No flow reached the station during the year ending Sept. 30, 1935.

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 1935. No records during winters.

Extremes.- Maximum discharge observed during year, 154 second-feet June 15 (gage height, 1.22 feet); minimum discharge observed, 22 second-feet Mar. 31 (gage height, 0.13 foot).

1921-35: Maximum discharge observed, 178 second-feet June 14, 1923 (gage height, 1.29 feet, present datum); minimum, 13 second-feet Apr. 15, 20, 1923 (gage height, -0.12 foot).

Remarks.- Records good. No records Nov. 25 to Mar. 30. Discharge interpolated Oct. 21-27, Aug. 26. 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 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.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	36	41					26	56	137	101	48	40
2	38	43					23	52	134	103	48	40
3	37	43					23	48	126	103	48	38
4	40	43					24	48	120	96	43	38
5	39	42					25	46	118	101	40	38
6	37	42					24	52	132	103	41	39
7	39	40					24	54	143	99	40	40
8	35	37					35	61	148	98	40	36
9	35	25					36	61	149	78	38	36
10	35	24					30	63	151	95	38	36
11	34	29					28	65	151	96	38	34
12	35	32					33	67	146	95	37	36
13	36	35					34	68	151	87	37	39
14	37	35					43	66	153	90	36	39
15	38	36					40	65	154	86	38	39
16	40	32					41	66	150	86	39	40
17	41	32					41	70	140	84	38	40
18	41	33					41	76	127	79	40	38
19	43	34					42	77	120	82	41	39
20	41	32					42	76	112	83	41	38
21	41	30					47	73	105	82	40	41
22	41	25					52	77	103	82	37	41
23	42	30					56	87	103	79	38	44
24	42	28					54	101	105	79	40	44
25	42	-					50	102	105	79	40	44
26	43	-					47	114	99	79	40	44
27	43	-					52	108	95	77	39	44
28	43	-					48	115	94	71	40	46
29	43	-					50	115	92	50	37	46
30	41	-					52	110	86	52	37	45
31	43	-				22	-	127	-	48	38	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,221	43	34	39.4	2,420
November 1-24	821	43	24	34.2	1,630
December	-	-	-	-	-
Calendar year 1934					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	1,163	56	23	38.8	2,310
May	2,366	127	46	76.3	4,690
June	3,748	154	86	125	7,430
July	2,623	103	48	84.6	5,200
August	1,235	48	36	39.8	2,450
September	1,202	46	34	40.1	2,380
Water year 1934-35	-	-	-	-	-

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 1935 (irrigation seasons only).

Extremes.- Maximum discharge observed during year, 64 second-feet June 10, 11 (gage height, 2.90 feet); practically no flow during winter except leakage through head gates.

1924-35: Maximum discharge observed, 87 second-feet May 24, 25, 1928; practically no flow during nonirrigation season and none reported June 26 to Sept. 1 and Sept. 15, 16, 1934.

Remarks.- Records good. No records Nov. 25 to Mar. 30. Discharge estimated Mar. 31, Apr. 1, 2; interpolated Aug. 26. Cippoletti-type weir below gage was effective except July 31 to Sept. 30. 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 seven discharge measurements furnished by water master for Little Lost River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.8	4.3					7.0	7.0	57	30	9.8	4.9
2	3.8	4.9					7.0	8.8	53	35	9.8	4.9
3	3.8	4.9					6.3	4.9	49	35	4.9	4.9
4	3.8	4.9					7.7	4.9	48	34	4.9	4.9
5	3.8	4.9					7.0	4.9	53	34	4.9	4.9
6	3.8	5.3					6.6	4.9	53	34	4.9	4.9
7	3.8	4.9					6.3	4.9	57	33	4.9	.6
8	3.8	4.9					9.1	8.8	61	32	4.9	.6
9	3.8	3.8					9.5	4.9	61	30	4.9	.6
10	4.3	4.1					9.5	4.9	64	31	4.9	.6
11	4.1	4.3					9.5	4.9	64	30	2.3	.6
12	4.1	4.3					9.5	6.3	61	30	2.3	.4
13	3.8	4.3					9.5	7.0	62	29	2.0	.2
14	3.8	4.3					10	6.3	63	29	2.0	4.5
15	8.0	4.3					10	6.3	59	28	2.0	.3
16	8.0	4.3					13	5.6	59	28	2.0	.3
17	8.0	4.3					14	5.6	54	26	2.0	.3
18	8.0	4.3					14	13	39	26	8.2	.3
19	8.4	4.3					14	14	33	28	8.2	.3
20	8.4	4.3					14	17	32	28	8.8	.3
21	6.3	4.3					18	17	25	28	8.8	.3
22	4.1	4.3					21	18	24	29	6.3	.3
23	4.1	4.9					19	20	25	29	6.3	4.9
24	4.3	4.9					18	28	25	29	6.3	4.9
25	4.1	-					10	28	32	30	6.3	4.9
26	4.1	-					4.9	37	32	32	6.3	4.9
27	4.1	-					7.3	37	25	32	6.3	4.9
28	4.1	-					7.0	41	24	16	5.8	9.3
29	4.3	-					7.7	43	24	12	5.8	9.5
30	4.3	-					8.4	43	26	12	5.8	9.5
31	4.3	-				7	-	49	-	9.8	4.9	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	151.2	8.4	3.8	4.88	300
November 1-24	108.3	5.3	3.8	4.51	215
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	314.8	21	4.9	10.5	624
May	505.9	49	4.9	16.3	1,000
June	1,344	64	24	44.8	2,670
July	868.8	35	9.8	28.0	1,720
August	167.5	9.8	2.0	5.40	332
September	92.7	9.5	.2	3.09	184
Water year	-	-	-	-	-

Big Lost River at Howell ranch, near Chilly, Idaho

Location.- Water-stage recorder, lat. 44°1', long. 114°, 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 1935 (no records during winters).

Extremes.- Maximum discharge during year, 2,260 second-feet June 9 (gage height, 4.37 feet); minimum recorded discharge, 48 second-feet Nov. 20. A lesser discharge may have occurred other dates during winter.

1904-14, 1920-35: Maximum discharge, 3,500 second-feet June 12, 1921 (gage height, 5.94 feet); minimum, 35 second-feet Apr. 2, 1909 (gage height, 1.9 feet, former datum).

Remarks.- Records good. Discharge interpolated Oct. 21, 22; estimated Nov. 21-30. 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 and four discharge measurements furnished by water commissioner for Big Lost River.

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

0.6	42	1.4	178	2.2	495	3.0	1,080	3.8	1,770
.8	59	1.6	236	2.4	620	3.2	1,240	4.0	1,950
1.0	91	1.8	307	2.6	765	3.4	1,410	4.2	2,130
1.2	132	2.0	391	2.8	920	3.6	1,590	4.4	2,310

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	54	66					57	217	1,200	758	220	99
2	56	66					57	205	1,160	735	211	97
3	56	64					55	183	1,120	832	202	95
4	57	63					55	189	1,200	832	197	91
5	57	69					57	239	1,410	818	186	89
6	53	67					57	285	1,640	758	181	87
7	53	67					62	343	1,770	735	176	89
8	58	69					62	373	1,950	705	173	87
9	59	67					59	416	2,180	690	168	87
10	60	66					55	468	1,950	648	164	86
11	60	62					57	473	1,900	614	161	80
12	58	62					60	456	2,080	581	154	78
13	57	63					66	416	2,130	581	152	78
14	59	62					77	391	2,040	574	143	77
15	59	64					89	382	1,820	555	141	82
16	59	62					107	416	1,540	594	139	84
17	62	64					87	440	1,280	574	132	80
18	64	67					93	416	1,280	507	130	75
19	64	67					105	387	1,410	468	128	75
20	66	60					132	378	1,500	446	124	73
21	65	60					178	435	1,410	440	122	73
22	64	60					156	614	1,460	416	117	72
23	63	60					136	872	1,540	378	115	75
24	70	60					119	1,000	1,320	356	119	86
25	70	55					126	1,080	1,160	343	111	82
26	70	55					152	1,120	1,080	311	107	80
27	70	55					176	1,160	1,120	292	101	80
28	70	55					202	1,060	1,200	281	101	78
29	69	55					227	944	1,120	263	101	77
30	67	55					243	976	912	246	101	75
31	66	-					-	1,240	-	236	101	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,915	70	53	61.8	3,800
November	1,867	69	55	62.2	3,700
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	3,164	243	55	105	6,280
May	17,574	1,240	183	567	34,860
June	44,882	2,180	912	1,496	89,020
July	16,567	832	236	534	32,860
August	4,478	220	101	144	8,880
September	2,467	99	72	82.2	4,890
Water year	-	-	-	-	-

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

Location.- Water-stage recorder, lat. 43°59', 113°45', in sec. 32, T. 8 N., R. 23 E., 3 miles above Mackay Dam, above flow line of reservoir, and 7½ miles above Mackay.

Records available.- May 1919 to September 1935.

Average discharge.- 16 years, 47.5 second-feet.

Extremes.- Maximum discharge during year, 900 second-feet June 13-15; maximum gage height, 4.73 feet June 13; no flow Oct. 1 to May 26 and Aug. 19 to Sept. 30.
1919-35: Maximum discharge, 1,000 second-feet June 25, 1932 (gage height, 3.48 feet); no flow for long periods during 1920 and 1923-25.

Remarks.- Records good. Discharge estimated May 27, 28, Aug. 17-20. Diversions for irrigation above station. The sum of this record and those of west channel of Big Lost River and of east and west channels of Warm Spring Creek, near Mackay, Idaho, shows entire flow of Big Lost River at this point and practically entire surface flow into Mackay Reservoir. Gage-height record and five discharge measurements furnished by water commissioner for Big Lost River.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 27 to June 13)

0.2	0	1.2	41	2.0	137	2.8	293	3.9	585
.4	2	1.4	60	2.2	170	3.0	340	4.2	690
.6	7	1.6	83	2.4	207	3.3	415	4.5	810
.8	15	1.8	108	2.6	248	3.6	495	4.8	945
1.0	26								

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								0	340	340	39	
2								0	365	302	35	
3								0	378	311	31	
4								0	390	321	29	
5								0	428	330	26	
6								0	510	323	24	
7								0	620	300	21	
8								0	690	291	18	
9								0	770	279	16	
10								0	810	266	15	
11								0	810	250	13	
12								0	832	227	11	
13								0	900	215	8	
14								0	900	203	6	
15								0	900	198	4	
16								0	810	199	2	
17								0	690	199	1	
18								0	620	184	1	
19								0	638	175	0	
20								0	690	167	0	
21								0	672	156	0	
22								0	672	145	0	
23								0	710	131	0	
24								0	672	122	0	
25								0	570	116	0	
26								0	495	107	0	
27								5	452	93	0	
28								60	465	70	0	
29								112	465	54	0	
30								132	402	46	0	
31								233	-	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 1934	0	0	0	0	0
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	542	233	0	17.5	1,080
June	18,666	900	340	622	37,020
July	6,162	340	42	199	12,220
August	300	39	0	9.7	595
September	0	0	0	0	0
Water year 1934-35	25,670	900	0	70.3	50,920

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 7½ miles above Mackay.

Records available.- May 1919 to September 1935.

Average discharge.- 16 years, 54.4 second-feet.

Extremes.- Maximum discharge during year, 378 second-feet June 13 (gage height, 2.81 feet); minimum discharge, 9 second-feet May 22, 26; minimum gage height, 0.97 foot May 9, 10.

1919-35: Maximum discharge (estimated), 1,200 second-feet during period June 5-16, 1921 (gage height, 4.45 feet); minimum discharge, that of May 22, 26, 1935; minimum gage height, that of May 9, 10, 1935.

Remarks.- Records good. Discharge interpolated Oct. 30, 31, Nov. 1, 2, 4-6. Diversions for irrigation above station. The sum of this record 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 and results of two discharge measurements furnished by water commissioner for Big Lost River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	27	25	24	19	16	14	13	13	96	92	37	27
2	26	24	24	19	16	14	13	13	103	76	37	30
3	26	24	24	19	16	14	13	13	109	70	37	30
4	24	24	24	19	16	14	13	13	117	72	37	30
5	24	24	23	19	16	14	13	13	137	81	35	30
6	24	24	23	19	16	14	13	12	177	81	35	30
7	24	24	23	19	14	14	13	12	222	74	35	30
8	24	24	23	19	14	14	14	12	260	70	38	30
9	24	24	23	19	16	14	13	11	304	69	41	30
10	24	24	23	19	16	14	12	10	336	67	41	30
11	24	24	22	19	16	14	12	10	301	62	40	30
12	24	24	22	19	16	14	12	10	312	58	41	30
13	24	24	20	19	16	14	12	10	350	57	41	30
14	24	24	20	19	16	16	12	10	364	57	40	30
15	24	24	20	19	16	14	12	10	323	55	40	31
16	24	24	20	18	16	14	13	10	262	53	40	31
17	24	24	20	18	16	14	13	11	195	52	38	31
18	24	24	20	18	16	14	12	10	150	52	35	31
19	24	24	20	18	16	14	12	10	152	49	35	31
20	24	24	20	14	14	13	12	10	172	49	34	31
21	26	23	20	14	14	13	13	10	172	49	32	31
22	26	23	20	18	14	13	13	9	166	47	32	31
23	26	23	22	18	14	13	13	10	179	47	31	32
24	26	23	22	18	14	13	13	10	172	46	28	35
25	26	23	20	18	14	13	13	10	142	44	28	35
26	26	23	20	18	14	13	13	9	117	46	30	35
27	26	23	20	18	14	13	13	12	111	43	30	37
28	26	24	19	18	14	13	13	30	117	40	30	38
29	26	24	19	17	-	13	13	44	129	38	31	38
30	26	24	19	16	-	13	13	52	115	40	31	38
31	25	-	19	16	-	13	-	81	-	38	28	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	772	27	24	24.9	1,530
November	714	25	23	23.8	1,420
December	658	24	19	21.2	1,310
Calendar year 1934	7,420	27	13	20.3	14,710
January	560	19	14	18.1	1,110
February	426	16	14	15.2	845
March	424	14	13	13.7	841
April	382	14	12	12.7	758
May	500	81	9	16.1	992
June	5,864	364	96	195	11,630
July	1,774	92	38	57.2	3,520
August	1,086	41	28	35.1	2,160
September	953	38	27	31.8	1,890
Water year 1934-35	14,115	364	9	38.7	28,010

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 1935.

Extremes.- Maximum contents during year, 33,780 acre-feet June 17 (gage height, 58.25 feet); no available storage Oct. 1-30.
1919-35: 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 feet 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 1935 water was used for irrigation of about 1,765 acres of project lands and to provide supplemental irrigation of about 15,000 acres of district lands, pending completion of transfer. 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 Utah Construction Co. through water commissioner for Big Lost River.

Contents, in acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	234	5,017	9,497	12,750	14,760	16,670	17,380	16,870	28,440	12,880	1,827
2	0	439	5,187	9,599	12,790	14,800	16,690	17,410	16,930	28,250	12,380	1,797
3	0	631	5,372	9,669	12,870	14,870	16,730	17,390	17,080	28,160	11,780	1,797
4	0	838	5,560	9,791	12,950	14,940	16,770	17,350	17,280	28,090	11,180	1,842
5	0	1,016	5,713	9,926	13,050	15,090	16,810	17,320	17,610	27,870	10,580	1,842
6	0	1,211	5,871	10,080	13,110	15,200	16,850	17,310	18,290	27,690	9,855	1,812
7	0	1,365	6,018	10,210	13,240	15,320	16,870	17,260	19,190	27,440	9,910	1,752
8	0	1,517	6,165	10,340	13,350	15,440	16,900	17,200	20,430	27,230	8,160	1,677
9	0	1,680	6,295	10,440	13,420	15,540	16,930	17,180	22,620	27,070	6,959	1,604
10	0	1,830	6,440	10,540	13,500	15,620	17,060	17,100	24,080	26,860	6,116	1,546
11	0	1,980	6,578	10,630	13,590	15,690	17,140	17,080	25,910	26,620	5,679	1,517
12	0	2,134	6,739	10,700	13,630	15,730	17,180	17,060	27,600	26,510	5,141	1,532
13	0	2,307	6,869	10,810	13,700	15,770	17,220	17,040	29,680	26,380	4,643	1,532
14	0	2,466	7,012	10,950	13,740	15,850	17,260	17,040	31,500	26,040	4,423	1,517
15	0	2,615	7,174	11,080	13,780	15,870	17,280	17,040	32,840	25,600	4,142	1,532
16	0	2,772	7,338	11,220	13,860	15,890	17,300	17,040	33,600	25,190	3,762	1,546
17	0	2,880	7,486	11,360	13,930	15,940	17,320	17,040	33,780	24,780	3,631	1,546
18	0	2,992	7,604	11,500	14,000	16,000	17,320	17,040	33,420	24,280	3,350	1,517
19	0	3,117	7,728	11,630	14,120	16,040	17,320	17,040	33,190	23,690	3,068	1,474
20	0	3,260	7,853	11,730	14,190	16,090	17,320	17,040	32,950	23,100	2,880	1,446
21	0	3,377	8,026	11,840	14,270	16,170	17,340	17,000	32,310	22,620	2,682	1,418
22	0	3,509	8,207	11,940	14,340	16,250	17,360	16,980	31,930	21,760	2,473	1,382
23	0	3,660	8,348	12,040	14,390	16,320	17,360	17,010	31,440	20,930	2,238	1,342
24	0	3,791	8,528	12,120	14,470	16,410	17,360	16,980	31,150	19,980	2,060	1,306
25	0	3,934	8,690	12,230	14,530	16,470	17,360	16,960	30,530	18,970	1,965	1,284
26	0	4,134	8,762	12,340	14,570	16,470	17,360	16,890	29,630	17,990	1,903	1,273
27	0	4,306	8,880	12,440	14,640	16,480	17,350	16,740	29,020	17,160	1,881	1,252
28	0	4,480	9,009	12,560	14,690	16,520	17,310	16,590	28,630	16,510	1,827	1,219
29	0	4,639	9,158	12,610	-	16,570	17,300	16,510	28,470	15,130	1,827	1,184
30	0	4,823	9,251	12,690	-	16,610	17,340	16,410	28,630	14,250	1,657	1,165
31	50	-	9,376	12,740	-	16,650	-	16,470	-	13,510	1,842	-

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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 above Mackay.

Records available.- December 1903 to August 1906, May 1912 to March 1915, January 1919 to September 1935. From April 1913 to March 1915 at station 1 mile below present site.

Average discharge.- 19 years (1904-5, 1912-14, 1919-35), 259 second-feet.

Extremes.- Maximum discharge during year, 1,280 second-feet June 22 (gage height, 3.93 feet); minimum, 18 second-feet Nov. 1 (gage height, 1.28 feet).
1903-6, 1912-15, 1919-35: Maximum discharge, 2,990 second-feet June 10, 1921 (gage height, 5.79 feet); minimum discharge, that of Nov. 1, 1934; minimum gage height, 1.23 feet Nov. 5-8, 1926.

Remarks.- Records good. Discharge interpolated Apr. 24-26. 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 and one discharge measurement furnished by water commissioner for Big Lost River.

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

1.2	8	1.8	139	2.4	379	3.0	685	3.6	1,055
1.4	37	2.0	206	2.6	476	3.2	805	3.8	1,185
1.6	82	2.2	289	2.8	575	3.4	925	3.9	1,250

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	133	35	54	70	87	96	104	104	500	668	471	152
2	133	56	54	72	87	96	104	104	614	663	442	152
3	136	58	54	72	87	96	106	104	565	597	461	152
4	136	52	56	72	87	96	106	106	545	636	461	152
5	136	52	56	72	87	96	101	106	580	668	486	156
6	136	54	56	72	87	98	101	106	570	674	520	169
7	136	56	58	72	90	98	101	115	560	668	565	186
8	136	56	58	75	90	98	101	146	602	608	586	186
9	136	58	58	75	90	98	101	136	555	580	586	186
10	133	58	58	75	90	98	101	115	515	586	592	183
11	133	54	56	77	90	98	101	96	486	565	570	172
12	133	54	58	77	90	98	101	96	535	530	515	152
13	127	54	58	77	90	101	104	96	630	525	324	152
14	130	52	58	77	90	101	104	96	665	535	255	152
15	133	54	58	80	90	101	104	96	745	575	264	152
16	133	56	58	80	90	101	104	96	805	602	320	152
17	133	77	60	80	90	101	104	96	895	619	342	162
18	136	75	60	82	90	101	104	96	1,020	652	315	165
19	136	72	60	82	90	101	104	96	1,150	614	293	162
20	136	70	63	82	93	101	104	96	1,180	619	281	159
21	136	70	63	82	93	101	106	93	1,220	630	260	162
22	136	70	63	82	93	101	106	93	1,250	715	276	172
23	136	60	63	82	93	101	106	96	1,250	715	272	172
24	133	54	63	82	93	101	106	127	1,220	775	224	172
25	133	54	63	82	93	101	106	149	1,220	805	190	172
26	133	54	68	82	93	101	106	152	1,180	775	190	169
27	133	54	68	82	96	104	106	183	990	745	190	165
28	133	54	68	85	96	104	106	239	925	715	169	169
29	136	54	68	85	-	104	106	413	865	665	156	165
30	139	54	68	85	-	104	106	515	668	658	149	156
31	106	-	68	87	-	104	-	307	-	545	152	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,135	139	106	133	8,200
November	1,731	77	35	57.7	3,430
December	1,876	68	54	60.5	3,720
Calendar year 1934	44,568	500	35	122	88,390
January	2,437	87	70	78.6	4,830
February	2,535	96	87	90.5	5,030
March	3,100	104	96	100	6,150
April	3,120	106	101	104	6,190
May	4,469	515	93	144	8,860
June	24,525	1,250	486	818	48,640
July	19,947	805	525	643	39,560
August	10,877	592	149	351	21,570
September	4,928	186	152	164	9,770
Water year 1934-35	83,680	1,250	35	229	166,000

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 7½ miles northwest of Mackay.

Records available.- May 1919 to September 1935.

Average discharge.- 16 years, 29.1 second-feet.

Extremes.- Maximum discharge during year, 111 second-feet June 14 (gage height, 2.09 feet); minimum, 15 second-feet Apr. 25-28, May 9-12.
1919-35: 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 record 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 which enters Mackay Reservoir. Gage-height record and two discharge measurements furnished by water commissioner for Big Lost River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	24	28	28	26	26	22	16	45	48	28	26
2	25	25	28	28	26	26	22	17	48	45	27	25
3	26	25	28	28	26	26	21	17	50	42	27	24
4	26	25	28	28	26	26	21	17	52	42	27	24
5	26	25	28	28	27	26	21	17	55	41	26	24
6	26	25	28	28	27	26	21	17	64	41	26	25
7	25	26	28	28	28	26	21	16	73	40	26	25
8	25	26	28	28	28	26	21	16	82	40	27	25
9	24	26	28	29	28	26	20	15	86	40	27	25
10	24	26	28	29	27	26	20	15	90	39	28	25
11	23	26	28	29	27	26	19	15	94	37	27	25
12	23	26	29	29	26	26	19	15	98	36	26	25
13	22	26	29	29	26	25	19	16	104	34	26	25
14	22	26	29	29	25	25	19	16	111	34	25	25
15	22	25	29	29	26	25	19	16	105	34	25	25
16	21	25	29	28	26	25	18	16	95	34	25	26
17	21	25	29	28	26	25	18	16	84	34	25	26
18	20	25	29	28	26	24	18	16	73	34	25	26
19	20	25	28	28	26	24	17	16	63	33	25	27
20	20	25	28	28	27	23	17	16	64	34	25	27
21	20	26	28	28	27	23	17	16	64	34	25	28
22	20	26	28	28	27	22	17	16	60	34	25	28
23	21	26	28	27	27	22	16	19	58	33	25	28
24	21	26	28	27	27	22	16	22	56	33	25	28
25	22	26	28	27	27	22	15	25	55	32	25	27
26	22	26	28	27	27	22	15	27	53	31	26	27
27	22	27	28	27	26	22	15	29	53	30	26	27
28	22	27	28	27	26	22	15	31	54	30	26	27
29	23	28	28	27	-	22	16	32	54	29	26	27
30	23	28	28	26	-	22	16	36	54	28	26	27
31	24	-	28	26	-	22	-	41	-	28	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	706	26	20	22.8	1,400
November	773	28	24	25.8	1,530
December	875	29	28	28.2	1,740
Calendar year 1934	8,336	32	15	22.8	16,540
January	864	29	26	27.9	1,710
February	744	28	25	26.6	1,480
March	751	26	22	24.2	1,490
April	551	22	15	18.4	1,090
May	615	41	15	19.8	1,220
June	2,094	111	45	69.8	4,150
July	1,104	48	28	35.6	2,190
August	804	28	25	25.9	1,590
September	779	28	24	26.0	1,550
Water year 1934-35	10,660	111	15	29.2	21,140

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 7½ miles above Mackay.

Records available.- May 1919 to September 1935.

Average discharge.- 16 years, 92.3 second-feet.

Extremes.- Maximum discharge during year, 212 second-feet June 13 (gage height, 1.81 feet); minimum, 49 second-feet Apr. 27 (gage height, 0.62 foot).
1919-35: Maximum discharge, 411 second-feet June 12, 1921 (gage height, 3.38 feet); minimum, that of Apr. 27, 1935.

Remarks.- Records good. Practically entire flow diverted during irrigation season. Flow during summer represents return flow from irrigation above station. The sum of this record and those of east 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 which enters Mackay Reservoir. Gage-height record and two discharge measurements furnished by water commissioner for Big Lost River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	69	64	72	70	68	68	67	54	108	109	74	73
2	69	67	70	69	67	68	66	54	109	99	74	73
3	68	69	72	70	67	69	66	53	112	94	75	74
4	69	69	72	70	68	69	66	52	114	94	75	73
5	69	69	72	70	66	69	66	51	121	97	77	73
6	70	69	72	69	68	70	64	51	133	97	76	73
7	69	68	72	69	68	70	64	51	149	94	78	73
8	68	69	72	70	66	73	64	51	163	92	79	73
9	66	68	70	72	66	72	63	50	179	91	79	72
10	68	67	70	72	68	72	61	50	196	88	79	73
11	68	67	70	72	68	70	61	50	185	86	78	72
12	64	66	69	69	66	70	61	50	191	86	78	73
13	61	64	69	68	69	72	61	50	202	87	79	73
14	61	64	69	68	69	73	60	51	202	83	80	73
15	61	64	66	69	69	69	61	51	191	83	79	74
16	61	64	67	68	69	69	62	51	167	84	79	74
17	61	64	68	68	68	69	59	52	149	84	77	75
18	61	64	68	69	69	68	59	52	135	86	73	77
19	61	64	69	69	69	68	58	51	130	84	70	76
20	62	64	69	68	68	66	58	51	133	86	70	75
21	63	64	69	67	68	68	56	51	130	84	70	75
22	64	66	68	67	68	68	56	51	126	83	73	75
23	66	66	68	69	68	67	55	51	131	83	73	78
24	66	66	68	69	68	67	55	55	128	87	72	78
25	66	66	68	68	68	67	53	68	121	90	72	77
26	64	67	68	68	68	68	51	66	114	86	72	75
27	64	68	68	68	68	68	49	70	112	79	72	75
28	64	72	69	68	68	67	52	79	113	75	72	77
29	63	70	68	68	-	68	55	84	121	74	73	77
30	63	72	70	68	-	67	54	92	117	73	73	77
31	63	-	69	68	-	67	-	108	-	73	73	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,014	70	61	65.0	3,990
November	2,001	72	64	66.7	3,970
December	2,153	72	67	69.5	4,270
Calendar year 1934	23,221	75	52	63.6	46,050
January	2,137	72	67	68.9	4,240
February	1,908	69	67	68.1	3,780
March	2,138	73	67	69.0	4,240
April	1,783	67	49	59.4	3,540
May	1,801	108	50	58.1	3,570
June	4,284	202	108	143	8,500
July	2,691	109	73	86.8	5,340
August	2,326	80	70	75.0	4,610
September	2,235	78	72	74.5	4,430
Water year 1934-35	27,471	202	49	75.3	54,480

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 1935.

Extremes.- Maximum discharge observed during year, 28 second-feet July 21, 30; no flow Dec. 19 to Feb. 20.
1912-14, 1919-35: 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 estimated Oct. 1 to Dec. 18, Feb. 21 to Mar. 31, and May 24-26. 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 used for irrigation on land northwest of Mackay and above Streeter Ditch. Gage-height record and one discharge measurement furnished by water commissioner for Big Lost River.

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

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

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	250	13	6	8.1	496
November	87	5	2	2.9	173
December	51	4	0	1.6	101
Calendar year 1934	3,056.2	18	0	8.37	6,079
January	0	0	0	0	0
February	8	1	0	0.3	16
March	94	4	1	3.0	186
April	103	5	2	3.4	204
May	417	22	1	13.5	827
June	641	26	14	21.4	1,270
July	748	28	21	24.1	1,480
August	617	26	16	19.9	1,220
September	467	18	12	15.6	926
Water year 1934-35	3,483	28	0	9.5	6,900

Portneuf River at Topaz, Idaho

Location.- Staff gage, lat. 42°38', long. 112°6', in sec. 23, T. 9 S., R. 37 E., at Oregon Short Line Railroad bridge, a quarter of a mile west of Topaz, 1¼ 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 1935.

Average discharge.- 16 years (1913-14, 1919-22, 1923-35), 200 second-feet.

Extremes.- Maximum discharge observed during year, 372 second-feet Mar. 15 (gage height, 2.60 feet); minimum, 65 second-feet Oct. 9 (gage height, 0.81 foot).
1913-15, 1919-35: Maximum discharge observed, 902 second-feet Apr. 3, 1913 (gage height, 6.1 feet, referred to original gage); minimum, that of Oct. 9, 1934.

Remarks.- Records fair. Flow regulated somewhat by storage in Portneuf-Marsh Valley Canal Co.'s reservoir near Chesterfield. Numerous ranch diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	99	117	113	100	106	214	202	302	166	111	100
2	72	106	117	115	99	106	174	186	285	160	104	100
3	73	113	117	117	100	113	166	174	267	160	109	99
4	78	115	115	115	100	117	170	172	258	196	106	97
5	72	113	119	115	106	111	168	172	230	196	106	97
6	69	113	117	108	108	100	168	174	230	196	106	93
7	69	115	117	111	108	104	162	202	230	186	106	99
8	69	113	111	111	113	104	184	188	228	178	108	95
9	65	113	111	113	109	104	188	196	216	186	104	97
10	68	113	113	115	106	104	186	174	214	192	102	97
11	68	113	113	111	102	102	164	214	190	194	102	104
12	66	109	113	111	102	102	162	230	186	196	104	102
13	68	108	113	113	102	104	157	240	168	196	113	104
14	71	108	117	115	99	138	153	240	198	194	100	108
15	75	109	117	113	95	372	153	226	210	188	100	108
16	76	109	117	113	99	310	240	222	214	182	109	106
17	76	109	117	108	99	160	176	256	228	186	109	104
18	76	117	117	111	102	153	172	276	218	180	108	100
19	79	117	119	115	106	145	192	276	214	182	108	104
20	79	117	122	102	106	142	200	258	216	182	106	104
21	78	119	124	104	106	140	198	249	216	180	121	104
22	81	119	132	104	106	136	190	224	210	184	124	102
23	84	119	134	104	106	134	222	230	210	182	124	102
24	84	119	132	104	102	134	212	249	216	186	102	100
25	82	121	130	104	93	140	186	258	210	188	102	100
26	85	119	126	104	95	228	194	249	200	188	106	100
27	89	121	119	104	95	220	198	258	190	188	95	97
28	95	119	122	102	102	208	200	294	194	172	104	97
29	95	121	117	100	-	202	196	316	192	159	106	95
30	95	117	117	100	-	226	200	302	194	115	104	89
31	97	-	115	100	-	258	-	302	-	113	102	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,408	97	65	77.7	4,780
November	3,423	121	99	114	6,790
December	3,687	134	111	119	7,310
Calendar year 1934	41,592	240	65	114	82,500
January	3,375	117	100	109	6,690
February	2,868	113	93	102	5,690
March	4,825	372	100	156	9,570
April	5,545	240	153	185	11,000
May	7,213	318	172	233	14,310
June	6,534	302	168	218	12,960
July	5,615	198	113	181	11,140
August	3,313	124	95	107	6,570
September	3,004	108	89	100	5,960
Water year 1934-35	51,810	372	65	142	102,800

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 1935, May 1897 to October 1899 at a site 1 mile upstream.

Average discharge.- 22 years (1912-16, 1917-35), 258 second-feet.

Extremes.- Maximum discharge during year, 438 second-feet Apr. 22, 23; maximum gage height, 4.35 feet Jan. 21; minimum discharge, 22 second-feet Aug. 9 (gage height, 2.10 feet).

1897-99, 1911-35: 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 June to September, which are fair. Discharges estimated or interpolated Oct. 1-7, 11, 13, 15, 17, 19-23, Jan. 19-31 (ice effect), Apr. 9-21, June 12-14, 20, 22-28, 30. Numerous diversions for irrigation above station. Flow regulated by storage reservoir near Chesterfield.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		76	177	159	186	225	322	322	197	43	30	50
2		80	173	173	188	237	300	311	186	49	27	48
3		81	184	206	188	260	280	260	180	44	27	41
4		82	186	240	188	280	290	231	159	42	28	43
5	84	85	164	235	169	270	311	216	140	40	32	43
6		84	173	197	195	246	322	216	119	37	32	43
7		79	171	204	214	237	322	220	98	38	31	47
8	77	77	152	206	260	239	311	222	82	41	28	48
9	73	80	154	197	290	233		223	77	40	31	53
10	75	75	168	197	280	223		227	90	36	26	57
11	72	74	175	197	227	223		239	80	35	27	56
12	70	74	173	199	216	225		222		32	31	55
13	72	74	170	191	216	227		216	70	34	28	52
14	73	74	197	184	216	260		208		37	30	55
15	74	74	206	189	206	322	375	197	59	37	32	52
16	74	73	216	191	199	384		193	69	36	37	49
17	78	73	218	193	193	395		204	67	36	40	50
18	81	77	201	191	195	332		240	65	40	42	43
19		89	195		199	300		235	63	43	47	55
20		100	204		206	290		231	59	50	47	57
21	82	94	227		223	280		218	55	54	45	61
22		88	244		240	280	438	210		54	42	58
23		90	248		270	270	438	212		53	43	61
24	84	94	227		260	270	406	212		52	48	69
25	82	93	216	180	223	260	364	197	47	52	49	70
26	79	97	208		212	280	311	184		49	49	70
27	77	118	202		218	342	300	180		48	53	67
28	76	135	201		218	322	311	193		41	39	68
29	76	162	201		-	300	300	199	39	37	54	63
30	76	164	201		-	300	280	204	41	32	54	62
31	75	-	188		-	311	-	201	-	31	52	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,442	-	70	78.8	4,840
November	2,716	164	73	90.5	5,390
December	6,040	248	152	195	11,980
Calendar year 1934	38,585	270	21	106	76,530
January	5,889	240	159	190	11,680
February	6,115	290	186	218	12,130
March	8,623	395	223	278	17,100
April	10,481	438	280	349	20,790
May	6,843	322	180	221	13,570
June	2,464	197	-	82.1	4,890
July	1,293	54	31	41.7	2,560
August	1,181	54	26	38.1	2,340
September	1,646	70	41	54.9	3,260
Water year 1934-35	55,733	438	26	153	110,500

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 1935.

Extremes.- Maximum discharge during year, 1,600 second-feet July 16-22, 29; maximum gage height, 9.74 feet, July 18; no flow during winter.

1909-35: 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 at Minidoka Dam. Water used for irrigation of 62,000 acres of land under North Side Minidoka project.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	212	906				0	433	635	552	1,440	1,440	1,240
2	490	382				0	435	584	552	1,450	1,380	1,190
3	550	0				0	438	559	605	1,450	1,310	1,230
4	550	0				0	440	489	704	1,440	1,310	1,250
5	541	0				0	442	485	834	1,440	1,310	1,270
6	544	0				0	480	534	958	1,490	1,310	1,260
7	544	0				0	507	656	1,180	1,540	1,310	1,210
8	539	0				0	499	782	1,300	1,540	1,260	1,160
9	544	0				0	496	879	1,410	1,540	1,230	1,150
10	596	0				0	496	832	1,480	1,560	1,220	1,160
11	654	0				0	496	728	1,580	1,580	1,240	1,110
12	652	0				0	496	728	1,580	1,580	1,290	1,060
13	649	0				0	494	790	1,580	1,580	1,280	1,050
14	654	0				0	494	866	1,580	1,580	1,320	972
15	753	0				0	247	945	1,580	1,580	1,340	934
16	845	0				0	163	974	1,580	1,600	1,280	923
17	822	0				0	285	910	1,580	1,600	1,240	912
18	818	0				0	402	870	1,580	1,600	1,220	906
19	814	0				50	526	875	1,580	1,600	1,280	897
20	830	0				100	596	936	1,570	1,600	1,320	856
21	832	0				127	592	972	1,570	1,600	1,350	732
22	862	0				128	588	1,060	1,570	1,600	1,350	654
23	923	0				166	628	1,160	1,570	1,590	1,350	666
24	919	0				212	690	1,320	1,570	1,580	1,330	645
25	934	0				212	690	1,460	1,580	1,590	1,330	601
26	941	0				267	744	1,500	1,590	1,590	1,340	605
27	974	0				363	799	1,500	1,590	1,590	1,340	620
28	994	0				421	811	1,550	1,550	1,590	1,320	592
29	990	0				421	858	1,580	1,450	1,600	1,300	578
30	1,010	0				426	799	1,390	1,440	1,570	1,270	580
31	1,040	-				430	-	850	-	1,510	1,270	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	23,020	1,040	212	743	45,660
November	1,288	906	0	42.9	2,550
December	0	0	0	0	0
Calendar year 1934	121,033	1,140	0	332	240,000
January	0	0	0	0	0
February	0	0	0	0	0
March	3,323	430	0	107	6,590
April	16,064	858	163	535	31,860
May	29,399	1,580	485	948	58,310
June	40,845	1,590	552	1,361	81,020
July	48,200	1,600	1,440	1,555	95,600
August	40,440	1,440	1,220	1,305	80,210
September	28,015	1,270	578	934	55,570
Water year 1934-35	230,594	1,600	0	632	457,400

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 1935.

Extremes.- Maximum discharge during year, 1,300 second-feet June 13, 14, July 19, 30; maximum gage height, 6.08 feet July 30; no flow during winter.
1909-35: Maximum discharge, that of June 13, 14, July 19, 30, 1935. No flow during winter.

Remarks.- Records excellent. Flow regulated by operation of gates at Minidoka Dam. Water used for irrigation of 54,000 acres of land under South Side Minidoka Canal.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	409	471					0	246	582	1,150	1,280	1,210
2	391	572					0	231	482	1,060	1,290	1,200
3	399	629					0	231	480	1,050	1,280	1,190
4	399	603					0	231	502	1,070	1,270	1,200
5	361	565					0	232	578	1,130	1,240	1,190
6	389	460					0	235	722	1,130	1,190	1,170
7	399	401					0	263	897	1,180	1,180	1,110
8	391	391					0	287	1,050	1,230	1,200	1,080
9	399	395					0	328	1,120	1,240	1,180	1,030
10	407	405					0	375	1,230	1,250	1,150	1,000
11	397	385					0	399	1,270	1,270	1,120	1,030
12	389	387					0	415	1,290	1,280	1,110	1,030
13	397	391					0	478	1,300	1,280	1,140	1,020
14	405	409					0	634	1,300	1,270	1,170	1,020
15	407	397					0	749	1,290	1,270	1,180	993
16	430	391					0	836	1,280	1,280	1,180	946
17	464	397					0	900	1,280	1,280	1,180	908
18	460	401					0	869	1,290	1,290	1,160	875
19	460	391					0	819	1,290	1,300	1,180	808
20	480	385					0	814	1,290	1,290	1,200	776
21	493	350					0	926	1,290	1,280	1,210	744
22	478	300					0	1,020	1,290	1,290	1,220	682
23	484	305					0	1,090	1,280	1,280	1,220	590
24	467	266					0	1,110	1,260	1,280	1,180	493
25	467	246					0	1,100	1,260	1,280	1,170	456
26	469	214					0	1,150	1,240	1,280	1,160	478
27	498	75					0	1,210	1,250	1,280	1,200	502
28	484	0					0	1,220	1,260	1,280	1,190	504
29	462	0					287	1,210	1,250	1,280	1,200	397
30	491	0					278	1,070	1,200	1,300	1,220	367
31	500	-					-	781	-	1,290	1,220	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	13,526	500	361	436	26,830
November	10,582	629	0	353	20,990
December	0	0	0	0	0
Calendar year 1934	110,020	825	0	301	218,100
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	565	287	0	18.8	1,120
May	21,459	1,220	231	692	42,560
June	33,103	1,300	480	1,103	65,660
July	38,420	1,300	1,050	1,239	76,200
August	37,070	1,290	1,110	1,196	73,530
September	25,999	1,210	367	867	51,570
Water year 1934-35	180,724	1,300	0	495	358,500

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 1935.

Average discharge.- 12 years (1911-14, 1926-35), 40.9 second-feet.

Extremes.- Maximum discharge during year, 95 second-feet May 18 (gage height, 2.70 feet); no flow Aug. 15 to Sept. 30.

1911-16, 1919-35: 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 Sept. 30, 1935.

Remarks.- Records good except those estimated Nov. 27, 30, Dec. 1 to Mar. 11, Apr. 28 to May 3, which are fair; discharge interpolated Apr. 21, May 17, June 13. Small diversions for irrigation above station. Practically the entire flow passing station is stored in Oakley Reservoir. Gage-height record furnished by Oakley Canal Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	6.6	13				22	36	70	93	14	1.0	
2	6.3	13				25	37	80	87	16	.9	
3	4.6	14				25	37	70	75	16	.8	
4	6.0	16				25	37	63	68	16	.7	
5	6.0	17				25	38	56	54	14	.6	
6	6.6	17				23	40	59	39	14	.5	
7	7.2	16				22	40	60	39	13	.4	
8	7.8	16				22	40	64	43	12	.3	
9	8.4	15				22	43	64	39	12	.3	
10	8.4	16				22	49	74	32	12	.2	
11	8.4	15				25	49	75	24	12	.1	
12	8.4	16				32	46	77	22	11	.1	
13	8.4	15				41	45	85	20	10	.1	
14	8.4	14				45	46	84	19	9.6	.1	
15	8.7	15				43	50	81	19	8.8	0	
16	9.8	15				39	54	79	18	8.4	0	
17	11	15				36	51	84	20	8.4	0	
18	11	15				36	59	89	19	7.4	0	
19	11	16				37	59	86	19	6.8	0	
20	11	16				36	57	81	16	6.2	0	
21	13	16				34	60	75	16	5.5	0	
22	13	16				34	64	64	15	5.0	0	
23	13	17				34	68	64	14	4.8	0	
24	12	17				34	71	65	13	4.3	0	
25	12	17				33	63	70	12	3.7	0	
26	12	17				32	49	67	10	3.0	0	
27	12	16				31	39	66	9.2	2.4	0	
28	12	14				32	40	67	7.8	2.0	0	
29	12	14				33	45	66	16	1.6	0	
30	12	16				34	60	76	14	1.4	0	
31	12	-				34	-	93	-	1.2	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	299.0	13	4.6	9.65	593
November	465	17	13	15.5	922
December	496	-	-	16	984
Calendar year 1934	5,317.5	46	0	14.6	10,540
January	558	-	-	18	1,110
February	560	-	-	20	1,110
March	968	45	22	31.2	1,920
April	1,472	71	36	49.1	2,920
May	2,254	93	56	72.7	4,470
June	892.0	93	7.8	29.7	1,770
July	262.5	16	1.2	8.47	521
August	6.1	1.0	0	.20	12
September	0	0	0	0	0
Water year 1934-35	8,232.6	93	0	22.6	16,330

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 1935.

Extremes.- Maximum recorded contents, 14,000 acre-feet May 20 (gage height, 59.75 feet); minimum, 702 acre-feet Sept. 30 (gage height, 13.26 feet).
1913-35: 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 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	798	1,770	3,190	4,860	6,420	8,620	11,100	12,400	-	10,100	4,470	2,290
2	826	1,820	-	4,920	-	-	-	-	-	-	4,270	1,770
3	-	-	-	-	-	-	-	-	13,700	-	-	-
4	-	-	-	-	-	-	11,300	-	13,700	-	-	-
5	-	-	-	-	-	-	-	-	13,700	-	4,300	-
6	925	-	-	-	-	9,090	-	-	-	-	-	-
7	-	-	-	-	-	-	-	13,200	-	9,330	-	-
8	-	-	3,520	5,260	6,800	9,250	11,400	-	-	-	3,740	-
9	-	-	-	-	-	-	11,400	-	-	-	3,540	1,830
10	-	-	-	-	-	-	-	13,000	-	-	-	1,690
11	-	-	-	-	-	-	-	-	12,600	8,550	-	1,370
12	-	-	-	-	-	-	-	-	-	-	3,570	-
13	-	-	-	-	-	-	-	13.000	-	7,990	3,580	-
14	-	-	-	-	-	-	-	-	-	7,740	-	-
15	1,150	2,660	3,850	5,580	7,370	9,750	12,000	13,100	12,000	7,460	3,220	1,390
16	-	-	-	-	-	-	12,100	-	-	-	2,880	-
17	-	-	-	-	-	-	-	-	-	-	-	-
18	-	-	-	-	-	-	12,100	-	-	6,810	-	1,430
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	12,100	14,000	11,300	-	-	-
21	-	-	-	5,820	-	-	12,100	-	-	6,360	-	1,070
22	-	-	-	-	-	-	12,100	-	-	-	2,950	-
23	-	-	-	-	-	-	12,100	-	10,700	6,010	-	-
24	-	-	-	-	-	-	-	-	-	5,910	2,310	-
25	-	-	-	-	-	-	12,100	13,000	-	-	-	-
26	-	-	-	-	-	10,900	-	-	-	-	-	-
27	-	-	4,320	-	-	10,700	12,000	-	-	-	-	1,150
28	1,610	-	-	-	8,540	-	-	-	10,300	5,290	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	12,900	10,200	-	2,370	702
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 1935.

Average discharge.- 11 years (1911-12, 1913-14, 1926-35), 13.2 second-feet.

Extremes.- Maximum discharge during year, 21 second-feet May 30 (gage height, 4.99 feet); minimum discharge, 4.1 second-feet Mar. 11 (gage height, 4.65 feet).

1911-16, 1919-35: Maximum discharge recorded, 98 second-feet May 28, June 8, 1921; a higher flow may have occurred during cloudburst about midnight Aug. 15, 1931; minimum discharge probably occurred during the winter.

Remarks.- Records good. Discharge estimated Dec. 1, 2, 7, 9-31, Jan. 1 to Mar. 5; interpolated Mar. 30 to Apr. 2, Sept. 17. Few small diversions above station. Practically the entire flow passing gage is stored in Oakley Reservoir. Gage-height record is furnished by Oakley Canal Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	8.1	9.4	9.0			10	10	14	18	9.9	6.5	5.6
2	8.1	9.9	9.0			10	10	14	17	9.4	6.9	5.6
3	8.6	10	9.0			10	10	14	17	8.1	6.5	5.6
4	8.6	11	9.0			10	11	14	17	8.6	6.5	5.6
5	8.6	9.9	9.0			10	10	13	16	8.6	6.5	7.3
6	8.6	9.4	9.0			9.9	10	14	16	8.6	6.5	8.1
7	8.6	9.4	9.0			9.9	10	14	16	8.6	6.5	7.7
8	9.0	9.4	9.0			10	11	14	16	9.0	6.5	7.7
9	8.6	9.0				9.9	12	15	15	8.6	6.5	7.3
10	8.6	9.0				10	11	16	14	8.6	6.5	7.3
11	8.6	9.0				9.9	11	16	14	8.6	6.0	6.9
12	8.6	9.0				10	11	17	14	8.1	6.0	6.9
13	8.6	9.0				10	12	17	14	7.7	6.0	7.3
14	9.0	9.0				11	11	17	14	7.7	6.0	7.3
15	9.4	9.0				11	12	17	13	7.7	6.9	7.3
16	9.4	9.0				11	13	17	13	7.7	6.9	7.3
17	9.0	9.0				11	12	18	13	7.7	6.9	6.9
18	9.0	9.4				11	12	17	13	7.3	6.9	6.5
19	9.0	9.9	9.0			11	12	16	12	7.3	6.9	6.9
20	9.0	9.4				11	13	16	12	7.7	6.9	6.9
21	9.0	9.4				11	14	16	11	7.3	6.9	6.9
22	9.0	9.0				11	14	16	10	6.5	6.5	6.9
23	9.0	9.4				11	14	16	10	6.5	6.9	7.3
24	9.4	9.4				10	13	16	9.9	6.5	6.9	7.3
25	9.4	9.4				9.9	13	16	9.9	6.5	6.5	6.9
26	9.0	9.9				9.9	13	16	10	6.0	6.0	6.9
27	9.0	9.0				9.9	13	16	9.9	5.6	6.5	6.9
28	9.0	9.0				10	13	16	9.9	5.6	6.5	6.9
29	9.0	9.4				10	13	17	9.4	6.5	6.5	6.9
30	9.0	9.4				10	14	19	10	6.5	6.5	6.9
31	9.4	-				10	-	19	-	6.5	6.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	275.2	9.4	8.1	8.88	546
November	281.4	11	9.0	9.38	558
December	279.0	-	-	9	553
Calendar year 1934	3,212.0	12	6.0	8.80	6,370
January	279.0	-	-	9	553
February	280.0	-	-	10	555
March	319.3	11	9.9	10.3	633
April	358	14	10	11.9	710
May	493	19	13	15.9	978
June	394.0	18	9.4	13.1	781
July	235.5	9.9	5.6	7.60	467
August	202.5	6.9	6.0	6.53	402
September	207.8	8.1	5.6	6.93	412
Water year 1934-35	3,604.7	19	5.6	9.88	7,150

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 1935.

Extremes.- Maximum discharge during year, 62 second-feet on several days; no flow on numerous days.
1919-35: Maximum discharge, 64 second-feet May 11-13, 1920, and July 11-12, 19-29, 1932; no flow on numerous occasions.

Remarks.- Records good. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0				0		0	60	59	61	61
2		0				0		6	60	61	62	61
3		0				0		9	59	61	62	61
4		0				0		10	58	61	62	61
5		0				0		10	58	62	62	61
6		0				0		10	59	62	62	60
7		0				0		10	59	62	62	60
8		0				0		31	59	62	62	60
9		0				0		31	59	62	62	61
10		0				0		42	60	62	62	60
11		0				0		42	61	62	62	60
12		0				0		42	61	62	62	60
13		0				0		50	61	62	62	60
14		0				0		52	61	62	62	60
15		0				0		56	61	62	62	52
16		0				0		58	61	62	62	43
17		0				0		58	61	62	62	43
18		0				0		59	61	62	62	43
19		13				0		59	61	62	62	43
20		18				0		59	61	62	62	39
21		7				0		59	61	62	62	38
22		0				0		57	61	62	60	36
23		0				18		57	60	62	60	37
24		0				18		59	60	62	55	37
25		0				0		60	61	62	60	36
26		0				0		60	60	62	60	35
27		0				0		60	60	62	60	35
28		0				0		60	61	62	61	35
29		0				0		60	60	62	61	35
30		0				0		60	58	62	61	35
31		-				0		60	-	62	61	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	38	18	0	1.27	75
December	0	0	0	0	0
Calendar year 1934	8,566	62	0	23.5	16,980
January	0	0	0	0	0
February	0	0	0	0	0
March	36	18	0	1.16	71
April	0	0	0	0	0
May	1,346	60	0	43.4	2,670
June	1,803	61	58	60.1	3,580
July	1,916	62	59	61.8	3,800
August	1,900	62	55	61.3	3,770
September	1,468	61	35	48.9	2,910
Water year 1934-35	8,507	62	0	23.3	16,880

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 1935.

Extremes.- Maximum discharge during year, 128 second-feet July 27-31 (gage height, 3.36 feet); no flow on numerous days.
1921-35: Maximum discharge, 173 second-feet June 29, 1933 (gage height, 3.73 feet); no flow on numerous days.

Remarks.- Records excellent. Discharge Nov. 11-22, Jan. 7-11, Apr. 24-27, Sept. 18-28 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		0		0			0	0	126	126	127	109
2		0		0			0	0	126	126	127	109
3		6		0			0	0	124	126	127	109
4		19		0			0	0	126	126	126	109
5		23		0			0	0	125	126	127	101
6		30		0			0	0	126	125	127	101
7		52		6			0	0	124	125	127	101
8		51		12			0	12	125	125	126	101
9		52		13			0	39	125	125	126	101
10		54		10			0	53	124	125	126	101
11		54		9			0	79	124	125	126	101
12		54		0			0	101	124	125	125	79
13		54		0			0	114	125	125	125	79
14		54		0			0	120	125	125	125	79
15		54		0			0	123	125	126	125	79
16		54		0			0	123	125	125	125	79
17		54		0			0	123	126	125	126	79
18		54		0			0	123	125	125	126	79
19		54		0			0	123	125	125	125	79
20		54		0			0	123	125	126	124	79
21		54		0			0	123	125	125	122	79
22		45		0			0	124	124	125	122	79
23		0		0			0	124	124	126	122	79
24		0		0			4	124	124	126	122	79
25		0		0			22	124	124	126	122	79
26		0		0			14	124	124	126	122	79
27		0		0			5	126	121	128	122	79
28		0		0			0	126	126	128	107	40
29		0		0			0	126	126	128	109	0
30		0		0			0	127	126	128	109	0
31		-		0			-	126	-	128	108	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	926	54	0	30.9	1,840
December	0	0	0	0	0
Calendar year 1934	15,445	130	0	42.3	30,640
January	50	13	0	1.6	99
February	0	0	0	0	0
March	0	0	0	0	0
April	45	22	0	1.5	89
May	2,630	127	0	84.8	5,220
June	3,744	126	121	125	7,430
July	3,901	128	125	126	7,740
August	3,605	127	108	123	7,550
September	2,447	109	0	81.6	4,850
Water year 1934-35	17,548	128	0	48.1	34,820

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 in sec. 28, T. 10 S., R. 21 E., lat. 42°31', long. 114°1'.

Records available.- May 1930 to September 1935.

Extremes.- Maximum discharge during year, 2,210 second-feet July 21; no flow on many days.
1930-35: Maximum discharge, that of July 21, 1935; no flow on many days.

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

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0				0	64	1,460	1,740	2,040	1,970	1,670
2	0	0				0	64	1,460	1,740	2,050	1,980	1,030
3	0	0				0	45	1,000	1,780	2,040	1,980	1,070
4	0	0				0	0	968	1,810	2,040	1,980	1,070
5	0	0				0	0	999	1,780	2,040	1,970	1,050
6	0	0				0	0	1,030	1,740	2,030	1,970	1,050
7	0	0				0	0	1,080	1,760	2,040	1,970	1,050
8	0	0				0	0	1,090	1,800	2,040	1,960	1,050
9	0	0				0	0	1,160	1,820	2,030	1,960	886
10	0	0				0	0	1,180	1,790	2,030	1,960	558
11	0	0				0	0	1,200	1,790	2,040	1,960	481
12	0	0				0	0	1,270	1,790	2,060	1,950	427
13	0	0				0	0	1,460	1,850	2,080	1,940	417
14	0	0				0	75	1,640	1,850	2,080	1,940	407
15	240	0				0	53	1,710	1,850	2,070	1,880	407
16	426	315				0	74	1,710	1,860	2,070	1,870	405
17	368	630				0	44	1,710	1,860	2,120	1,880	405
18	302	600				0	48	1,710	1,860	2,190	1,880	405
19	302	530				0	54	1,720	1,860	2,200	1,880	405
20	308	326				0	47	1,740	1,860	2,200	1,880	405
21	385	0				0	47	1,730	1,880	2,210	1,870	405
22	383	0				0	47	1,720	1,890	2,200	1,880	405
23	402	0				0	47	1,720	1,940	2,200	1,870	405
24	402	0				0	809	1,750	1,980	2,100	1,520	405
25	398	0				0	755	1,780	2,000	1,800	1,520	405
26	398	0				0	777	1,790	2,030	1,740	1,520	337
27	398	0				0	809	1,790	2,040	1,750	1,520	337
28	398	0				0	1,220	1,830	2,040	1,770	1,820	337
29	450	0				35	1,380	1,870	2,030	1,900	1,940	337
30	200	0				58	1,480	1,890	2,030	1,950	1,940	337
31	0	-				64	-	1,780	-	1,980	1,930	-

Month	Gooding Canal				Distribution (acre-feet)	
	Maximum	Minimum	Mean	Acre-feet	To Milner-Gooding project	To North Side Canal Co. project
October	450	0	186	11,420	0	11,420
November	630	0	80.	4,760	4,760	0
December	0	0	0	0	0	0
Calendar year 1934	1,610	0	520	376,710	61,150	315,560
January	0	0	0	0	0	0
February	0	0	0	0	0	0
March	64	0	5.06	311	0	311
April	1,480	0	265	15,760	3,340	12,420
May	1,890	968	1,514	93,040	53,910	39,130
June	2,040	1,740	1,869	111,220	64,560	46,660
July	2,210	1,740	2,035	125,140	67,110	58,030
August	1,980	1,520	1,874	115,210	57,350	57,860
September	1,670	337	612	36,410	1,270	35,140
Water year 1934-35	2,210	0	709	513,300	252,300	261,000

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 1935.

Extremes.- Maximum discharge during year, 2,600 second-feet July 18 (gage height, 8.12 feet); no flow on various days.
1909-35: Maximum discharge, 3,200 second-feet July 5-7, 29-31, 1921, May 15, 1928, June 2, July 23, 1929; no flow numerous times when gates were closed.

Remarks.- Records excellent. Stage-discharge relation affected by ice Dec. 3-7, 11-15. Flow controlled by operation of head gates. Water diverted by this canal and the 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 the North Side Canal Co. system.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	395	367	90	497	409	369	0	154	2,240	2,340	2,490	1,620
2	401	361	86	509	409	392	0	362	2,260	2,300	2,510	1,610
3	404	762	86	518	406	386	7	546	2,330	2,250	2,460	1,590
4	404	1,010	86	528	404	389	24	607	2,330	2,260	2,320	1,580
5	406	1,030	86	534	418	386	25	728	2,340	2,310	2,030	1,580
6	409	1,050	86	512	436	392	25	954	2,360	2,270	1,940	1,500
7	404	1,050	86	490	430	395	25	1,100	2,350	2,290	1,890	1,500
8	406	419	86	487	424	383	22	1,320	2,380	2,300	1,810	1,490
9	545	75	81	481	424	378	20	1,640	2,420	2,360	1,790	993
10	543	113	85	484	424	358	19	1,680	2,440	2,400	1,760	0
11	442	109	80	481	424	348	19	1,780	2,460	2,440	1,840	0
12	395	94	80	484	421	316	19	1,840	2,470	2,410	1,840	0
13	392	103	80	484	418	308	19	1,840	2,500	2,460	1,800	0
14	406	101	80	481	412	303	19	1,840	2,510	2,480	1,800	0
15	167	101	80	487	415	289	6	1,840	2,530	2,520	1,870	1,030
16	0	106	77	487	412	415	0	1,960	2,550	2,510	1,840	1,840
17	0	99	82	484	412	466	0	2,080	2,540	2,560	1,790	1,840
18	0	91	83	487	412	442	0	2,130	2,590	2,600	1,780	1,830
19	0	108	87	500	412	421	0	2,220	2,520	2,540	1,790	1,790
20	0	643	88	490	415	386	0	2,260	2,510	2,480	1,760	1,760
21	0	902	90	497	415	329	0	2,200	2,540	2,510	1,750	1,740
22	0	837	85	506	415	75	0	2,190	2,470	2,520	1,740	1,720
23	0	392	85	512	401	31	0	2,200	2,380	2,520	1,160	1,700
24	0	139	85	503	398	37	67	2,320	2,370	2,520	0	1,650
25	0	83	87	475	398	42	154	2,350	2,410	2,500	0	1,090
26	0	83	547	472	389	44	154	2,420	2,400	2,500	0	0
27	0	86	773	469	392	50	149	2,470	2,360	2,500	0	0
28	0	96	677	460	386	51	147	2,510	2,360	2,500	1,170	0
29	0	103	540	445	-	10	149	2,520	2,310	2,570	1,710	0
30	180	101	506	427	-	0	151	2,540	2,340	2,550	1,650	0
31	369	-	481	409	-	0	-	2,410	-	2,550	1,600	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,668	545	0	215	13,230
November	10,619	1,050	75	354	21,060
December	5,631	773	77	182	11,170
Calendar year 1934	306,931	2,350	0	841	609,000
January	15,080	534	409	486	29,910
February	11,531	436	386	412	22,870
March	8,211	466	0	265	16,290
April	1,220	154	0	40.7	2,420
May	55,011	2,540	154	1,775	109,100
June	72,570	2,590	2,240	2,419	143,900
July	75,820	2,600	2,250	2,446	150,400
August	49,880	2,510	0	1,609	98,940
September	31,453	1,840	0	1,048	62,390
Water year 1934-35	343,694	2,600	0	942	681,700

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 1935.

Extremes.- Maximum discharge during year, 3,480 second-feet Aug. 17 (gage height, 9.99 feet); minimum, 106 second-feet Nov. 4, 5 (gage height, 1.87 feet).
1909-35: Maximum discharge, 4,600 second-feet Aug. 12, 1918; no flow Sept. 20, 1920.

Remarks.- Records excellent. Stage-discharge relation affected by ice Dec. 4-7, 12-15, Jan. 16-28. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,680	832	559	598	509	473	501	1,440	2,760	3,040	3,380	3,420
2	1,670	822	562	616	506	476	498	1,330	2,800	3,040	3,410	3,420
3	1,690	378	562	622	504	478	495	1,570	2,940	3,020	3,380	3,390
4	1,660	106	565	628	498	481	498	1,740	2,970	3,020	3,350	3,340
5	1,670	106	565	634	495	481	504	1,870	2,950	3,070	3,360	3,300
6	1,600	109	565	640	492	481	504	2,210	2,880	3,060	3,350	3,320
7	1,590	311	565	619	492	476	249	2,630	2,930	3,120	3,340	3,290
8	1,510	694	565	604	492	478	119	2,640	3,010	3,100	3,340	3,270
9	1,380	616	562	601	478	478	123	2,510	3,000	3,160	3,330	3,200
10	1,480	637	562	604	460	484	114	2,470	2,850	3,210	3,380	3,140
11	1,550	637	565	604	460	484	175	2,560	2,880	3,300	3,440	3,000
12	1,520	634	570	604	457	481	367	2,800	3,060	3,230	3,460	2,930
13	1,510	598	575	604	460	484	454	2,980	3,120	3,240	3,440	2,910
14	1,570	598	580	604	462	487	467	2,970	3,110	3,260	3,450	2,890
15	1,540	634	590	595	465	481	467	3,020	3,130	3,280	3,450	2,890
16	1,470	637	595	590	465	478	470	3,020	3,150	3,360	3,480	2,840
17	1,360	595	601	580	462	484	467	3,000	3,130	3,420	3,480	2,790
18	1,250	544	595	580	465	476	481	3,020	3,110	3,400	3,450	2,650
19	1,210	538	610	580	465	476	553	3,080	3,030	3,400	3,460	2,570
20	1,140	520	619	580	467	484	592	3,070	3,020	3,400	3,440	2,460
21	1,100	498	613	580	467	490	613	3,060	3,050	3,400	3,420	2,330
22	1,070	504	604	580	470	492	662	3,070	3,020	3,400	3,420	2,290
23	1,040	512	607	580	470	484	631	3,040	2,970	3,390	3,440	2,190
24	1,000	515	610	579	470	490	559	3,070	3,000	3,390	3,420	2,070
25	903	515	604	579	470	501	625	3,110	3,060	3,390	3,420	1,960
26	865	544	604	575	467	501	777	3,150	3,030	3,420	3,420	1,940
27	848	568	604	574	470	501	1,070	3,190	2,980	3,430	3,420	1,800
28	838	571	601	574	470	498	1,710	3,250	2,970	3,410	3,430	1,540
29	828	565	604	574	-	504	1,800	3,210	2,970	3,460	3,410	1,440
30	828	562	619	565	-	501	1,670	3,110	3,020	3,420	3,420	1,440
31	832	-	592	523	-	501	-	2,870	-	3,420	3,410	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	40,222	1,690	828	1,297	79,780
November	15,900	832	106	530	31,540
December	18,194	619	559	587	36,090
Calendar year 1934	618,086	3,390	103	1,693	1,225,000
January	18,370	640	523	593	36,440
February	13,308	509	457	475	26,400
March	15,064	504	473	486	29,880
April	18,215	1,800	114	607	36,130
May	84,060	3,250	1,330	2,712	166,700
June	89,900	3,150	2,760	2,997	178,300
July	101,710	3,460	3,020	3,281	201,700
August	105,800	3,480	3,330	3,413	209,900
September	80,020	3,420	1,440	2,667	158,700
Water year 1934-35	600,763	3,480	106	1,646	1,192,000

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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 1935.

Average discharge.- 13 years, 214 second-feet.

Extremes.- Maximum discharge during year, 448 second-feet June 1 (gage height, 2.26 feet); minimum discharge, 94 second-feet Mar. 22, Apr. 1-3, 11, 12; minimum gage height, 0.46 foot Mar. 22.

1922-35: Maximum discharge, 984 second-feet Sept. 21, 1927 (gage height, 4.5 feet, from high-water marks on bank); minimum discharge, that of Mar. 22, Apr. 1-3, 11, 12, 1935.

Remarks.- Records good except those for May 27 to June 1, which are fair. Discharge interpolated Dec. 18, Feb. 26, Mar. 24, May 27-31, July 14-19, 21. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	206	202	162	123	151	104	94	139	396	220	188	217
2	206	190	145	142	151	104	94	138	276	213	196	224
3	206	192	150	200	140	106	94	133	217	202	206	224
4	204	192	154	220	132	106	100	138	206	198	211	226
5	204	175	148	166	133	104	109	142	192	204	213	226
6	202	154	161	144	130	102	107	145	182	196	213	231
7	209	153	158	145	130	106	115	150	173	198	213	236
8	206	151	158	146	129	106	121	136	171	196	211	238
9	200	150	161	144	126	102	113	125	173	190	209	236
10	196	153	164	140	125	100	99	125	182	188	204	233
11	198	159	159	144	125	99	94	132	264	190	202	229
12	200	162	154	144	125	100	94	133	177	186	211	229
13	198	164	154	140	125	100	98	136	169	190	209	226
14	211	162	159	158	123	101	99	136	171	189	202	233
15	224	162	154	161	116	100	100	138	173	188	202	231
16	222	168	150	150	120	96	99	129	184	187	206	236
17	217	168	154	148	116	97	100	142	176	187	200	236
18	209	168	152	144	112	98	102	144	184	186	204	236
19	222	164	151	164	114	98	101	142	182	165	206	233
20	202	159	151	202	119	100	104	136	175	184	213	231
21	192	156	151	231	121	104	108	130	177	183	213	226
22	192	156	145	204	119	102	112	136	192	182	215	229
23	188	158	142	215	114	102	114	138	194	180	213	229
24	190	158	140	215	108	101	108	136	188	178	206	226
25	190	162	138	171	104	100	105	138	190	180	213	224
26	186	161	148	182	104	95	107	140	202	182	215	220
27	182	161	150	171	104	99	105	182	206	182	213	224
28	186	162	145	162	104	98	114	225	209	186	213	226
29	190	166	134	161	-	97	120	268	209	186	213	220
30	194	169	134	161	-	95	238	311	217	188	211	215
31	198	-	126	156	-	96	-	354	-	188	209	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	6,232	224	182	201	12,360
November	4,957	202	150	165	9,830
December	4,652	164	126	150	9,230
Calendar year 1934	64,968	-	126	178	128,900
January	5,174	231	123	167	10,260
February	3,420	151	104	122	6,780
March	3,118	106	95	101	6,180
April	3,268	238	94	109	6,480
May	4,897	354	125	158	9,710
June	6,011	396	169	200	11,920
July	5,894	220	176	190	11,690
August	6,453	215	188	208	12,800
September	6,850	238	215	228	13,590
Water year 1934-35	60,928	396	94	167	120,800

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 county 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 1935.

Average discharge.- 21 years (1910-16, 1919-20, 1921-35), 122 second-feet.

Extremes.- Maximum discharge during year, 582 second-feet June 2 (gage height, 5.23 feet); minimum, 13 second-feet Aug. 13 (gage height, 2.26 feet).

1909-16, 1919-35: 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 estimated Apr. 10-18; interpolated Jan. 19-21, Apr. 23, June 16, 17. 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., and five measurements by Federal Court commissioner, D. E. Fickes.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	44	49	32	56	69	134	320	529	94	17	21
2	30	47	39	38	64	74	131	352	569	87	16	24
3	31	47	46	44	58	78	132	327	542	82	17	24
4	32	49	55	55	56	74	139	302	477	82	16	25
5	33	49	50	60	56	71	150	290	451	83	16	24
6	34	48	47	56	58	69	157	288	425	78	16	24
7	34	48	41	60	61	65	154	283	412	71	15	25
8	34	48	44	58	62	65	159	293	400	66	16	25
9	34	47	42	52	64	66	178	307	400	60	16	25
10	34	47	44	58	64	62		330	412	62	15	25
11	34	48	49	55	60	66		330	412	61	15	24
12	36	48	51	56	61	65		342	387	62	14	23
13	38	48	51	46	62	83		354	367	64	14	23
14	38	48	56	49	58	114	230	354	340	60	17	21
15	41	48	56	55	49	114		344	324	55	16	21
16	42	48	48	37	51	106		312	298	56	16	21
17	43	48	56	62	55	102		300	272	55	16	21
18	43	49	44	58	64	105		312	246	54	18	21
19	43	51	56	56	66	114	283	320	237	56	18	25
20	43	51	55	54	64	113	271	295	211	54	18	25
21	43	51	59	53	65	106	274	266	176	54	18	25
22	43	52	59	51	66	106	293	257	155	50	18	26
23	43	54	59	56	69	100	315	252	124	47	19	26
24	43	58	55	58	66	98	337	274	114	41	20	26
25	42	59	52	59	62	98	327	310	100	39	20	27
26	42	58	54	59	64	99	274	322	108	36	18	27
27	42	53	52	58	61	100	264	347	96	33	18	28
28	44	49	52	58	60	106	252	370	92	33	15	28
29	43	56	42	56	-	110	264	382	94	31	19	28
30	44	45	42	56	-	116	281	490	99	25	21	28
31	44	-	49	56	-	131	-	490	-	20	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,200	44	30	38.7	2,380
November	1,496	59	44	49.9	2,970
December	1,554	59	39	50.1	3,080
Calendar year 1934	16,225	93	12	44.5	32,200
January	1,668	62	37	53.8	3,310
February	1,692	69	49	60.4	3,360
March	2,845	131	62	91.8	5,640
April	6,839	337	131	228	13,560
May	10,115	490	252	326	20,060
June	8,869	569	92	296	17,590
July	1,751	94	20	56.5	3,470
August	529	21	14	17.1	1,050
September	736	28	21	24.5	1,460
Water year 1934-35	39,294	569	14	108	77,930

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 1935. Regulation began May 1910.

Extremes.- Maximum contents, 44,000 acre-feet June 9 (gage height, 27.6 feet); minimum, 125 acre-feet Oct. 1-5 (gage height, 0.1 foot).
1922-35: 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.

Contents, in acre-feet , water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	125	1,250	3,040	5,200	7,140	9,750	13,500	25,660	37,620	35,120	14,400	5,200
2	125	1,250	3,040	5,200	7,212	9,822	14,100	26,180	26,640	34,200	13,220	5,200
3	125	1,250	3,108	5,200	7,358	9,968	14,320	26,340	39,470	33,180	12,280	5,200
4	125	1,312	3,175	5,268	7,430	10,040	14,550	26,600	40,490	32,350	11,340	5,200
5	125	1,375	3,242	5,335	7,502	10,180	14,780	26,600	41,320	31,530	10,760	5,065
6	188	1,438	3,310	5,402	7,575	10,330	15,000	26,940	42,060	30,760	10,760	5,065
7	188	1,500	3,310	5,470	7,648	10,400	15,220	27,280	42,800	30,000	10,760	4,998
8	188	1,562	3,378	5,538	7,720	10,550	15,450	27,700	43,400	29,320	10,690	4,998
9	188	1,625	3,445	5,672	7,865	10,620	15,750	28,300	44,000	28,720	10,690	4,930
10	250	1,688	3,512	5,740	8,010	10,690	16,050	28,810	43,900	28,220	10,620	4,930
11	250	1,750	3,580	5,740	8,082	10,760	16,350	29,320	43,700	27,620	9,678	4,930
12	250	1,812	3,580	5,875	8,228	10,916	16,650	29,830	43,400	27,700	9,662	4,930
13	250	1,875	3,648	5,942	8,300	10,980	17,020	30,340	43,000	27,790	7,865	4,930
14	312	1,938	3,715	6,010	8,445	11,060	17,400	31,020	42,430	27,790	6,995	4,930
15	375	2,000	3,850	6,078	8,518	11,200	17,700	31,530	41,880	27,790	6,280	4,930
16	438	2,062	3,850	6,145	8,590	11,420	18,080	32,070	41,320	26,940	5,740	4,930
17	438	2,125	3,918	6,212	8,662	11,560	18,540	32,720	40,580	25,920	5,470	4,930
18	500	2,188	4,052	6,212	8,735	11,710	19,020	33,270	40,210	24,820	5,470	4,930
19	562	2,250	4,120	6,280	8,808	11,850	19,580	33,740	40,580	23,370	5,470	4,930
20	625	2,312	4,188	6,348	8,880	12,000	20,220	34,290	40,950	22,180	5,470	4,795
21	688	2,312	4,322	6,415	9,025	12,140	20,700	34,750	41,140	20,860	5,470	4,795
22	750	2,375	4,390	6,482	9,098	12,350	21,180	35,310	41,410	19,580	5,402	4,322
23	750	2,438	4,525	6,482	9,170	12,500	21,670	35,680	41,600	18,300	5,402	3,985
24	812	2,500	4,660	6,550	9,315	12,640	22,180	36,050	41,600	17,550	5,402	3,715
25	812	2,635	4,660	6,550	9,460	12,780	22,780	36,510	40,860	17,550	5,335	3,715
26	875	2,702	4,795	6,622	9,532	12,930	23,370	36,970	40,120	17,550	5,335	3,715
27	938	2,770	4,862	6,695	9,605	13,080	23,880	36,790	39,190	17,620	5,335	3,715
28	1,000	2,838	4,930	6,840	9,678	13,220	24,300	36,510	38,360	17,620	5,268	3,715
29	1,000	2,972	4,930	6,918	-	13,360	24,900	36,230	37,250	17,620	5,200	3,715
30	1,062	3,040	4,930	6,995	-	13,510	25,240	36,140	36,140	16,500	5,200	3,715
31	1,125	-	5,065	7,068	-	13,660	-	36,880	-	15,450	5,200	-

Note.- Contents on Sept. 30, 1934, was 125 acre-feet.

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. Prior to Nov. 16 staff gage at same site and datum.

Drainage area.- 640 square miles.

Records available.- June 1915 to September 1935.

Average discharge.- 20 years, 284 second-feet.

Extremes.- Maximum discharge during year, 2,160 second-feet June 9 (gage height, 5.67 feet); minimum discharge, 0.5 second-foot Jan. 30, 31 (gage height, 0.63 foot).
1915-35: 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 interpolated Mar. 30, May 28-30. 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 the following page. Diversions for irrigation above station. One daily gage reading Apr. 1 to Sept. 30 and ten discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

0.6	0.4	1.2	12.0	1.8	71	2.6	250	3.8	800	5.0	1,590
.8	1.2	1.4	25.5	2.0	105	3.0	400	4.2	1,030	5.4	1,930
1.0	4.2	1.6	45	2.2	145	3.4	590	4.6	1,290	5.7	2,200

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	1	1	1	1	1	1	575	1,360	630	137	7
2	1	1	1	1	1	1	1	545	1,400	545	132	7
3	1	1	1	1	1	1	1	476	1,260	580	113	6
4	1	1	1	1	1	1	1	486	1,290	585	92	6
5	1	1	1	1	1	1	1	565	1,470	555	84	6
6	1	1	1	1	1	1	1	718	1,670	486	84	6
7	1	1	1	1	1	1	1	800	1,750	495	73	6
8	1	1	1	1	1	1	2	772	1,800	476	64	6
9	1	1	1	1	1	1	3	745	2,020	454	63	5
10	1	1	1	1	1	1	3	745	1,710	427	63	5
11	1	1	1	1	1	1	3	718	1,630	404	46	5
12	1	1	1	1	1	1	4	718	1,800	348	46	5
13	1	1	1	1	1	1	36	665	1,750	320	45	5
14	1	1	1	1	1	1	65	615	1,710	302	44	5
15	1	1	1	1	1	1	103	585	1,550	294	43	5
16	1	1	1	1	1	1	156	630	1,320	313	34	5
17	1	1	1	1	1	1	183	718	1,120	302	10	5
18	1	1	1	1	1	1	166	690	1,030	276	7	5
19	1	1	1	1	1	1	201	625	1,060	247	7	4
20	1	1	1	1	1	1	283	640	1,120	229	7	4
21	1	1	1	1	1	1	445	745	1,090	232	7	4
22	1	1	1	1	1	1	445	940	1,120	223	7	4
23	1	1	1	1	1	1	364	1,060	1,180	212	7	4
24	1	1	1	1	1	1	276	1,150	1,060	204	7	4
25	1	1	1	1	1	1	263	1,180	940	204	7	4
26	1	1	1	1	1	1	320	1,210	910	198	7	4
27	1	1	1	1	1	1	472	1,240	910	180	7	4
28	1	1	1	1	1	1	486	1,270	940	120	7	4
29	1	1	1	1	-	1	510	1,300	882	114	7	4
30	1	1	1	1	-	1	565	1,330	745	109	6	4
31	1	-	1	1	-	1	-	1,360	-	113	7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	31	1	1	1.0	61
November	30	1	1	1.0	60
December	31	1	1	1.0	61
Calendar year 1934	31,767	545	-	87.0	63,010
January	31	1	1	1.0	61
February	28	1	1	1.0	56
March	31	1	1	1.0	61
April	5,341	565	1	178	10,590
May	25,816	1,360	476	833	51,210
June	39,597	2,020	745	1,320	78,540
July	10,177	630	109	328	20,190
August	1,270	137	6	41.0	2,520
September	148	7	4	4.9	294
Water year 1934-35	82,531	2,020	1	226	163,700

Combined discharge, in second-feet, of Big Wood River and Big Wood Slough at Hailey, Idaho, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	68	100	95	92	113	110	123	711	1,470	792	229	140
2	68	100	113	92	113	107	131	676	1,510	722	222	141
3	70	107	90	97	97	113	131	595	1,370	772	198	135
4	68	105	90	105	116	107	135	623	1,390	775	208	137
5	68	107	83	100	110	105	134	723	1,580	744	210	140
6	68	107	90	100	118	107	131	872	1,790	669	199	135
7	76	107	90	105	121	116	134	938	1,870	672	193	136
8	74	107	110	107	118	105	167	913	1,930	650	188	133
9	72	105	97	107	107	107	161	899	2,160	613	187	134
10	78	107	97	95	105	105	154	900	1,800	579	194	131
11	81	107	105	102	97	105	160	869	1,720	527	165	128
12	81	97	97	102	100	110	180	872	1,950	503	166	127
13	78	97	100	105	107	113	153	810	1,900	500	162	125
14	70	97	105	110	110	121	230	755	1,850	476	156	125
15	85	100	102	107	110	124	301	715	1,690	466	153	129
16	85	100	97	110	107	118	363	768	1,450	485	153	128
17	85	102	100	110	113	124	325	840	1,260	474	153	128
18	85	97	95	105	107	131	316	834	1,200	446	161	124
19	85	110	100	107	110	118	345	759	1,230	412	148	126
20	85	105	102	81	110	124	435	780	1,300	383	152	124
21	95	105	102	83	107	124	379	890	1,260	394	145	119
22	90	118	102	90	110	121	547	1,080	1,290	377	141	116
23	95	116	97	95	113	121	483	1,180	1,360	359	134	128
24	95	116	102	95	102	124	386	1,290	1,220	349	136	138
25	100	102	107	92	95	118	399	1,320	1,090	342	144	141
26	100	102	107	92	102	118	477	1,340	1,050	318	148	138
27	107	100	97	92	107	110	624	1,370	1,060	324	150	130
28	102	107	97	92	110	121	622	1,390	1,090	288	147	128
29	100	110	100	113	-	130	647	1,420	1,030	278	140	127
30	97	116	100	105	-	127	716	1,440	890	271	137	126
31	100	-	95	102	-	130	-	1,490	-	239	144	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,611	107	68	84.2	5,180
November	3,156	118	97	105	6,260
December	3,064	113	83	98.8	6,080
Calendar year 1934	61,826	575	63	169	122,600
January	3,090	113	81	99.7	6,130
February	3,035	121	95	108	6,020
March	3,614	131	105	117	7,170
April	9,689	716	123	323	19,220
May	30,062	1,490	595	970	59,630
June	43,760	2,160	890	1,459	86,800
July	15,199	792	239	490	30,150
August	5,163	229	134	167	10,240
September	3,917	141	116	131	7,770
Water year 1934-35	125,360	2,160	68	346	250,600

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 1935 (no records during winters).

Extremes.- Maximum discharge during year, 1,450 second-feet June 9 (gage height, 3.39 feet); minimum recorded discharge, 23 second-feet Oct. 1.
1911-35: 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 estimated Mar. 31, Apr. 1, 5-10, 28-30, May 1, 31, June 2-5. No records Oct. 2 to Mar. 28. Numerous diversions for irrigation above station. Gage-height record and 10 discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	23						29	350	1,030	348	77	53
2							25	354	1,050	310	77	55
3							26	348	1,000	304	82	57
4							31	335	1,000	296	82	55
5							31	382	1,050	287	75	53
6							31	472	1,120	277	68	51
7							31	537	1,180	245	70	53
8							31	562	1,210	214	73	53
9							31	537	1,340	189	73	51
10							31	512	1,290	170	73	51
11							31	504	1,190	149	73	51
12							30	460	1,250	136	75	51
13							30	456	1,280	119	77	53
14							28	362	1,220	122	66	53
15							30	323	1,140	122	59	51
16							31	323	1,000	122	64	49
17							28	374	851	124	64	49
18							25	348	833	124	64	49
19							25	304	788	124	70	46
20							25	277	842	124	66	44
21							42	298	824	108	62	46
22							149	410	788	105	57	49
23							166	504	734	106	55	47
24							159	630	672	105	53	47
25							159	698	562	102	53	47
26							177	698	488	100	49	49
27							214	725	448	94	49	49
28							300	725	448	84	51	49
29						34	300	680	440	87	57	51
30						36	350	680	403	90	57	51
31						32	-	860	-	80	55	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	2,596	350	25	86.5	5,150
May	15,068	860	277	486	29,890
June	27,471	1,340	403	916	54,490
July	4,971	348	80	160	9,860
August	2,026	82	49	65.4	4,020
September	1,513	57	46	50.4	3,000
The period	-	-	-	-	106,400

Magic Reservoir near Richfield, Idaho

Location.- Tape 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 1935. Prior to Apr. 4, 1909, gage-height record only is available. Practically no storage prior to July 14, 1909.

Extreme. Maximum contents during year, 98,050 acre-feet June 22 (gage height, 4,904.45 feet); no available storage Nov. 10-14, 18-21.

1909-35: 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 Jan. 3. Water stored in this reservoir for irrigation on about 69,000 acres of land under Carey Act project of Big Wood Canal Co. Available capacity of 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,930	5,040	1,340	3,090	4,740	6,600	11,490	56,620	75,590	93,220	59,710	30,440
2	2,990	5,100	1,390	3,130	4,780	6,720	11,760	57,780	76,960	92,630	58,550	29,710
3	3,080	5,160	1,440	3,160	4,820	6,880	11,990	59,030	78,400	91,830	57,200	29,050
4	3,140	4,930	1,480	3,200	4,850	7,000	12,380	60,100	79,560	91,020	55,960	28,370
5	3,230	4,140	1,540	3,280	4,900	7,110	12,790	61,070	80,840	90,220	54,720	27,680
6	3,330	3,330	1,610	3,350	4,960	7,170	13,280	62,440	82,130	89,540	53,400	26,920
7	3,400	2,520	1,670	3,420	5,050	7,250	13,700	63,520	83,640	88,860	52,280	26,120
8	3,470	1,580	1,730	3,490	5,170	7,310	14,510	64,700	85,290	87,960	50,990	25,260
9	3,530	246	1,790	3,590	5,240	7,390	15,840	65,690	86,840	87,180	49,880	24,610
10	3,600	0	1,830	3,640	5,320	7,430	17,460	66,590	88,750	86,170	48,600	23,780
11	3,670	0	1,870	3,700	5,370	7,480	19,730	67,480	90,340	85,290	47,520	23,020
12	3,730	0	1,920	3,760	5,450	7,550	22,220	68,280	91,600	84,190	46,350	22,220
13	3,800	0	1,990	3,800	5,520	7,670	27,680	69,180	93,220	83,100	45,290	21,430
14	3,860	0	2,040	3,840	5,570	7,930	31,830	69,890	94,570	82,020	44,320	20,660
15	3,910	156	2,150	3,900	5,630	8,270	34,710	70,390	95,800	80,840	43,280	20,020
16	3,970	217	2,230	3,980	5,680	8,410	37,080	70,590	96,620	79,670	44,330	20,080
17	4,030	91	2,310	4,040	5,730	8,530	39,210	70,750	97,220	78,510	41,390	20,190
18	4,090	0	2,360	4,100	5,790	8,720	41,390	70,830	97,460	77,360	40,540	20,310
19	4,170	0	2,410	4,160	5,870	8,870	43,280	70,890	97,690	76,210	39,790	20,420
20	4,230	0	2,480	4,200	5,950	9,050	44,500	70,890	97,690	74,970	39,120	20,540
21	4,300	0	2,560	4,250	6,010	9,210	45,730	70,830	97,810	73,840	38,380	20,630
22	4,360	124	2,650	4,290	6,090	9,340	46,620	70,750	98,050	72,520	37,570	20,690
23	4,430	350	2,690	4,320	6,170	9,490	47,880	70,910	97,890	71,200	36,920	20,750
24	4,500	494	2,740	4,360	6,260	9,570	48,970	71,200	97,810	69,990	36,280	20,840
25	4,560	612	2,780	4,400	6,350	9,720	50,070	71,600	97,340	68,820	35,490	20,190
26	4,640	716	2,830	4,430	6,420	9,910	50,990	72,110	96,860	67,480	34,790	19,050
27	4,720	844	2,880	4,460	6,490	10,140	52,100	72,520	96,150	66,290	34,010	17,940
28	4,790	932	2,940	4,500	6,550	10,300	53,030	72,920	95,440	65,000	33,330	16,980
29	4,850	1,030	2,990	4,550	-	10,460	54,160	73,430	94,730	63,620	32,570	16,150
30	4,920	1,270	3,030	4,620	-	10,820	55,290	73,840	93,920	62,440	31,830	15,340
31	4,980	-	3,060	4,680	-	11,190	-	74,360	-	61,070	31,160	-

Note.- Contents on Sept. 30, 1934, was 3,060 acre-feet.

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 1935.

Average discharge.- 23 years (1912-35), 382 second-feet.

Extremes.- Maximum discharge during year, 780 second-feet June 23-28; maximum gage height, 4.07 feet June 27; minimum, 2 second-feet Dec. 5 to Feb. 7; minimum recorded gage height, 1.42 feet Dec. 9 and 15.

1911-35: Maximum discharge, 5,070 second-feet May 18, 1911 (gage height, 9.2 feet); no flow reported Feb. 3, 1915.

Remarks.- Records good. Discharge estimated Oct. 1-6, Nov. 18-23, 25-30, Dec. 2-8, 10-14, 16-31, Jan. 1 to Mar. 31, Apr. 1, 3-5, May 6, 7. Numerous ranch diversions in upper drainage area. Flow completely regulated by gates at Magic Dam. Gage-height record and 10 discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

1.4	2.0	2.0	32	2.6	134	3.2	332	3.8	638
1.6	6.5	2.2	58	2.8	187	3.4	425	4.0	750
1.8	15	2.4	92	3.0	252	3.6	525	4.1	810

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4	4	3	2	2	3	3	6	470	732	714	411
2	4	4	3	2	2	3	3	7	396	720	708	415
3	4	42	3	2	2	3	3	7	377	708	714	406
4	4	402	3	2	2	3	3	7	350	684	702	411
5	4	485	2	2	2	3	3	7	354	674	690	435
6	4	485	2	2	2	3	3	7	382	652	684	460
7	4	490	2	2	2	3	3	50	420	640	674	480
8	4	490	2	2	3	3	3	193	470	640	663	490
9	4	196	2	2	3	3	3	215	515	652	652	495
10	4	61	2	2	3	3	3	218	552	662	635	495
11	4	54	2	2	3	3	3	221	574	668	624	490
12	4	51	2	2	3	3	3	209	580	690	613	475
13	4	50	2	2	3	3	3	199	608	702	586	490
14	4	34	2	2	3	3	4	215	635	702	547	445
15	4	21	2	2	3	3	4	348	657	714	520	158
16	4	81	2	2	3	3	4	411	714	720	495	6
17	4	51	2	2	3	3	4	455	744	726	475	6
18	4	50	2	2	3	3	5	470	698	726	455	6
19	4	50	2	2	3	3	5	450	750	738	445	6
20	4	50	2	2	3	3	5	435	750	750	435	6
21	4	25	2	2	3	3	5	430	750	750	420	6
22	4	3	2	3	3	3	5	445	750	750	401	6
23	4	3	2	2	3	3	5	475	780	750	396	6
24	4	3	2	2	3	3	6	515	780	750	391	248
25	4	3	2	2	3	3	6	558	780	744	406	616
26	4	3	2	2	3	3	6	591	780	738	411	652
27	4	3	2	2	3	3	6	608	780	732	411	596
28	4	3	2	2	3	3	6	602	780	732	406	530
29	4	3	2	2	-	3	6	591	750	738	406	485
30	4	3	2	2	-	3	6	591	750	732	420	168
31	4	-	2	2	-	3	-	542	-	726	420	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	124	4	4	4.0	246
November	3,203	490	3	107	6,350
December	66	3	2	2.1	131
Calendar year 1934	78,048	656	2	214	154,800
January	62	2	2	2.0	123
February	77	3	2	2.8	153
March	93	3	3	3.0	184
April	127	6	3	4.2	252
May	10,081	608	6	325	20,000
June	18,676	780	350	623	37,040
July	22,042	750	640	711	43,720
August	18,524	714	391	533	32,770
September	9,889	652	6	330	19,610
Water year 1934-35	80,964	780	2	222	160,600

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 1935.

Extremes.- 1921-35: Maximum discharge, 3,330 second-feet June 13, 1921 (gage height, 12.79 feet, old datum); no flow for long periods.

Remarks.- No flow during year ending Sept. 30, 1935. 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 1934. No flow during 1929, 1931, 1934, and 1935.

Extremes.- 1911-35: 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, 1935. Numerous diversions above station. North Gooding, Richfield, and Lincoln Canals divert water between station and Magic Dam. Since completion of the Lincoln Canal in 1925, which diverts 7 miles upstream, most of the 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 1935. No record 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, 102 second-feet May 31, June 1; maximum gage height, 2.12 feet June 28; probably no flow for long periods.
1921-35: 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 record Oct. 1-21, Oct. 23 to Mar. 31. Numerous diversions for irrigation above and below station. Flow regulated by operation of gates at Magic Dam. Gage-height record and 11 discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	27	95	68	35	43
2							0	62	62	71	39	47
3							0	57	53	66	39	17
4							0	42	57	66	39	1
5							0	8	61	66	41	0
6							0	4	56	62	46	0
7							0	25	49	59	40	0
8							0	44	38	62	38	0
9							0	41	49	56	40	0
10							19	30	59	56	42	0
11							4	47	59	50	43	0
12							2	54	59	54	44	0
13							0	50	50	53	49	0
14							0	41	41	49	44	0
15							0	51	41	47	42	0
16							0	36	36	42	42	0
17							0	38	43	40	43	0
18							0	42	47	41	43	0
19							0	47	53	46	43	0
20							0	51	53	59	41	0
21							0	50	49	57	44	0
22	0						0	46	47	59	46	0
23							0	35	51	56	44	0
24							0	27	49	56	44	0
25							0	28	53	54	42	0
26							0	43	54	26	44	0
27							0	53	75	10	44	0
28							0	53	75	6	49	0
29							0	54	71	7	51	0
30							0	64	66	13	51	0
31							-	95	-	32	44	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	25	19	0	0.8	50
May	1,345	95	4	43.4	2,670
June	1,651	95	36	55.0	3,270
July	1,489	71	6	48.0	2,950
August	1,336	51	35	43.1	2,650
September	108	47	0	3.6	214
The period	-	-	-	-	11,800

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 1935. No records during winters.

Extremes.- Maximum discharge during year, 177 second-feet May 2 (gage height, 2.38 feet); no flow Apr. 22-24, 28, 29, Sept. 11-30.
1916-35: 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 Oct. 1-21, Oct. 23 to Nov. 25, and Nov. 27 to Mar. 30. Discharge estimated Sept. 10. Diversions for irrigation above station. Flow regulated by storage reservoirs upstream. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							11	58	156	35	15	25
2							11	165	123	42	21	31
3							9	128	91	40	20	22
4							9	94	84	29	19	2
5							4	35	75	31	19	1
6							4	18	66	27	23	1
7							6	9	29	25	22	1
8							7	17	6	28	20	1
9							120	16	19	24	24	1
10							56	13	34	20	25	1
11							20	13	32	21	34	0
12							14	30	34	20	24	0
13							10	24	25	23	26	0
14							5	12	14	26	26	0
15							4	30	16	25	25	0
16							2	19	16	20	28	0
17							8	14	23	18	28	0
18							8	23	23	19	28	0
19							12	28	26	19	28	0
20							8	43	23	26	24	0
21							2	34	20	29	24	0
22	0						0	18	19	32	24	0
23							0	8	20	30	21	0
24							0	5	18	24	21	0
25							2	2	18	23	23	0
26		5					2	15	26	19	24	0
27							1	25	38	5	28	0
28							0	20	46	1	28	0
29							0	20	45	1	36	0
30							1	39	37	2	33	0
31						10	-	120	-	11	27	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	336	120	0	11.2	666
May	1,095	165	2	35.3	2,170
June	1,202	156	6	40.1	2,380
July	696	42	1	22.4	1,380
August	768	36	15	24.8	1,520
September	86	31	0	2.9	171
The period	-	-	-	-	8,290

Big Wood Slough at Hailey, Idaho

Location.- Vertical staff gage, 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.

Records available.- June 1915 to September 1935.

Average discharge.- 20 years, 107 second-feet.

Extremes.- Maximum discharge observed during year, 230 second-feet Apr. 16 (gage height, 3.18 feet); minimum, 67 second-feet Oct. 1, 2, 4-6 (gage height, 1.94 feet).
1915-35: Maximum discharge observed, 419 second-feet June 6, 1921 (gage height, 3.00 feet); practically no flow May 8, 1931.

Remarks.- Records good. Discharge estimated Jan. 3, 20, 21. 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 tailrace for the Hailey power plant half a mile upstream. This record added to the record of Big Wood River at Hailey, Idaho, shows the total flow of the river. Five discharge measurements and one daily staff-gage reading Apr. 1 to Sept. 30 furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	67	99	94	91	112	109	122	136	110	162	92	133
2	67	99	112	91	112	106	130	131	110	177	90	134
3	69	106	89	96	96	112	130	119	109	192	85	129
4	67	104	89	104	115	106	134	137	102	190	116	131
5	67	106	82	99	109	104	133	158	106	189	126	134
6	67	106	89	99	117	106	130	154	119	183	115	129
7	75	106	89	104	120	115	133	138	123	177	120	130
8	73	106	109	106	117	104	165	141	130	174	124	127
9	71	104	96	106	106	106	158	154	136	159	124	129
10	77	106	96	94	104	104	151	155	88	152	131	126
11	80	106	104	101	96	104	157	151	90	123	119	123
12	80	96	96	101	99	109	176	154	147	155	120	122
13	77	96	99	104	106	112	117	145	145	160	117	120
14	69	96	104	109	109	120	165	140	141	174	112	120
15	84	99	101	106	109	123	198	130	141	172	110	124
16	84	99	96	109	106	117	207	138	134	172	119	123
17	84	101	99	109	112	123	162	122	145	172	143	123
18	84	96	94	104	106	130	150	144	168	170	154	119
19	84	109	99	106	109	117	144	134	163	165	141	122
20	84	104	101	80	109	123	152	140	176	154	145	120
21	94	104	101	82	106	123	134	145	171	162	138	115
22	89	117	101	89	109	120	102	143	171	154	134	112
23	94	115	96	94	112	120	119	124	183	147	127	124
24	94	115	101	94	101	123	110	140	161	145	129	134
25	99	101	106	91	94	117	136	137	150	138	137	137
26	99	101	106	91	101	117	157	126	141	120	141	134
27	106	99	96	91	106	109	152	133	147	144	143	126
28	101	106	96	91	109	120	136	123	148	166	140	124
29	99	109	99	112	-	129	137	115	150	164	133	123
30	96	115	99	104	-	126	151	112	145	162	131	122
31	99	-	94	101	-	129	-	127	-	126	137	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,580	106	67	83.2	5,120
November	3,126	117	96	104	6,200
December	3,033	112	82	97.8	6,020
Calendar year 1934	30,059	146	-	82.4	59,640
January	3,059	112	80	98.7	6,070
February	3,007	120	94	107	5,960
March	3,583	130	104	116	7,110
April	4,348	207	102	145	8,620
May	4,246	158	112	137	8,420
June	4,155	183	88	138	8,240
July	5,022	192	120	162	9,960
August	3,893	154	85	126	7,720
September	3,769	137	112	126	7,480
Water year 1934-35	43,821	207	67	120	86,920

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 1935 (no records during winters). Discharge measurements only are available for 1922.

Extremes.- Maximum discharge during year, 3,540 second-feet Apr. 12 (gage height, 9.97 feet); minimum recorded discharge during period of record, 1.7 second-feet Sept. 10 (gage height, 0.90 foot).

1912-35: Maximum discharge, 5,240 second-feet Apr. 12, 1916; maximum gage height, 12.35 feet Apr. 5, 1925; 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 interpolated June 14-26, Sept. 18. No record Oct. 2 to Mar. 27. Many small diversions above station. No regulation. Water passing station is used for storage in Magic Reservoir. Gage-height record and five measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.8						105	225	161	7.0	2.1	1.8
2							105	230	177	6.4	2.1	1.8
3							111	218	172	5.9	2.1	1.8
4							140	212	152	5.3	2.2	1.8
5							181	198	134	5.3	2.1	1.8
6							179	188	122	4.8	2.0	1.8
7							218	184	112	4.2	2.1	1.8
8							585	174	109	4.2	2.0	1.7
9							780	172	107	3.6	2.1	1.7
10							1,240	172	101	3.6	2.1	1.7
11							1,220	163	98	3.4	2.1	1.6
12							2,870	159	91	3.6	2.1	1.6
13							2,510	155	83	3.0	2.1	1.8
14							1,650	152	78	2.7	2.1	1.6
15							1,170	146	72	2.7	2.0	1.8
16							1,040	136	67	2.6	2.0	1.8
17							1,170	138	62	2.6	2.0	1.8
18							940	142	57	2.4	2.0	1.8
19							660	150	51	2.6	2.0	1.8
20							540	134	46	2.4	2.0	1.8
21							480	103	41	2.4	2.0	1.8
22							424	116	36	2.4	2.0	1.8
23							424	122	30	2.6	2.0	1.8
24							360	124	25	2.4	1.8	1.8
25							349	124	20	2.6	1.6	1.8
26							309	122	14	2.6	1.8	1.8
27							284	114	9.2	2.4	1.8	2.0
28						40	261	118	8.2	2.3	1.8	2.0
29						54	240	114	7.5	2.3	1.8	2.1
30						94	232	122	7.2	2.2	1.8	2.6
31						105	-	144	-	2.2	1.8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October					
November					
December					
Calendar year					
January					
February					
March					
April	20,777	2,870	105	693	41,210
May	4,771	230	103	154	9,460
June	2,250.1	177	7.2	75.0	4,460
July	104.7	7.0	2.2	3.38	208
August	61.7	2.1	1.8	1.99	122
September	55.2	2.6	1.7	1.84	109
The period	-	-	-	-	55,570

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 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 184 second-feet July 23 (gage height, 1.91 feet); no flow for long periods.
1925-35: 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 Nov. 6, Nov. 8 to Apr. 3, and Apr. 5-29. Canal diverts water from right bank of Big Wood River in sec. 9, T. 3 S., R. 18 E., and 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 six discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	106	153	164	115
2								0	97	151	161	113
3								0	111	153	159	108
4							0	0	104	151	167	107
5								0	111	150	165	113
6								0	124	150	162	114
7		121						0	128	148	156	114
8								36	134	150	151	111
9								117	142	157	150	111
10								133	145	162	148	114
11								145	145	162	150	115
12								138	146	161	148	118
13								138	146	167	144	118
14								140	144	167	128	118
15								128	142	167	118	56
16								134	145	167	120	0
17								132	144	162	117	0
18								133	146	169	111	0
19								127	162	169	107	0
20								122	153	174	103	0
21								118	154	161	101	0
22								115	157	162	106	0
23								118	161	179	110	0
24								128	162	174	111	0
25								142	161	170	118	159
26								144	159	169	118	157
27								144	157	169	117	145
28								146	154	169	115	134
29								142	150	172	111	132
30							0	145	151	167	110	42
31							-	133	-	167	115	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	3,098	146	0	99.9	6,140
June	4,241	162	97	141	8,410
July	5,089	182	148	164	10,090
August	4,061	167	101	131	8,050
September	2,414	159	0	80.5	4,790
The period	-	-	-	-	37,480

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 1935 (irrigation seasons only since 1928).

Extremes.- Maximum discharge during year, 145 second-feet July 23 (gage height, 1.07 feet); no flow during long periods.
1925-35: 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. 2 to Apr. 3 and Apr. 5-29. Canal diverts water from right bank of Big Wood River in sec. 9, T. 3 S., R. 18 E., and 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 four discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4							0	91	125	127	95
2								0	77	123	127	93
3								0	84	123	123	87
4							0	0	84	121	129	66
5								0	64	121	129	87
6								0	96	121	129	89
7								0	102	118	125	87
8								0	106	118	123	87
9								52	114	125	123	87
10								95	114	127	121	89
11								110	116	127	125	89
12								110	116	129	125	91
13								106	116	134	121	91
14								110	114	136	114	93
15								100	112	136	96	70
16								104	114	136	98	4
17								104	114	131	100	0
18								106	114	135	97	0
19								102	127	134	95	0
20								98	123	136	69	0
21								95	123	140	86	0
22								93	123	143	89	0
23								93	127	143	95	0
24								100	129	136	95	0
25								110	129	134	98	76
26								114	127	134	100	123
27								114	125	131	98	123
28								118	127	131	97	112
29								114	121	131	93	112
30							0	118	123	129	91	80
31							-	116	-	129	93	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	-	-	-	-	-
May	2,382	118	0	76.8	4,720
June	3,374	129	77	112	6,690
July	4,039	143	118	130	8,010
August	3,353	129	86	108	6,650
September	1,951	123	0	65.0	3,870
The period	-	-	-	-	29,940

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 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 160 second-feet May 30 (gage height, 1.86 feet); no flow during nonirrigation season.
1928-35: Maximum discharge, 250 second-feet May 1, 1933 (gage height, 2.26 feet); no flow during nonirrigation season.

Remarks.- Records good. Discharge estimated Sept. 4. 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 five discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

Discharge, 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	118	156	131	106	102
2							0	111	135	135	104	94
3							0	108	129	133	108	34
4							0	79	131	129	108	4
5							0	41	137	127	113	0
6							0	66	133	126	109	0
7							0	87	116	126	104	0
8							0	106	114	124	100	0
9							0	90	129	120	100	0
10							0	90	133	120	104	0
11							0	111	135	116	104	0
12							0	113	133	116	104	0
13							0	106	124	116	109	0
14							0	114	113	116	108	0
15							0	120	113	114	102	0
16							0	108	116	113	104	0
17							0	113	124	111	106	0
18							0	118	126	113	102	0
19		111					0	133	126	118	104	0
20		65					0	133	120	124	100	0
21							0	127	120	127	102	0
22	0						0	114	122	131	102	0
23							0	109	124	129	102	0
24							0	100	122	126	99	0
25							0	109	124	126	102	0
26							0	126	129	66	102	0
27							0	127	135	48	102	0
28							0	129	137	49	108	0
29							0	131	131	48	109	0
30							27	141	129	85	106	0
31							-	156	-	99	102	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	27	27	0	0.90	54
May	3,434	156	41	111	6,810
June	3,816	156	113	127	7,570
July	3,462	135	48	112	6,870
August	3,235	113	99	104	6,420
September	234	102	0	7.8	464
The period	-	-	-	-	28,190

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Little Wood River near Carey, Idaho

Location.- Water-stage recorder, lat. 43°23'., long. 116°, 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 1935. February 1920 to September 1926 at station 6 miles upstream (records comparable except during spring run-off).

Average discharge.- 12 years (1920-24, 1925-27, 1929-35), 125 second-feet.

Extremes.- Maximum discharge during year, 700 second-feet May 31 (gage height, 3.63 feet); minimum, 14 second-feet Oct. 8 (gage height, 0.85 foot).
1904-5, 1926-35: 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 estimated for Oct. 26-31, Nov. 1-15, 21-30, which are fair, and those estimated for Dec. 1 to Mar. 18, which are poor. A few small irrigation diversions above station. No regulation. Gage-height record furnished by water master for upper Little Wood River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	16						73	307	624	182	58	26
2	16						81	268	568	164	62	23
3	16						89	243	512	177	64	22
4	16						91	224	490	180	62	21
5	16					40	102	237	509	173	63	20
6	15						95	271	568	171	55	20
7	15						98	304	586	162	52	21
8	15	30					212	304	568	162	50	21
9	16						217	294	624	154	48	21
10	16						189	300	586	145	37	20
11	16						212	297	550	135	34	20
12	16						259	291	550	119	34	19
13	16						326	276	550	121	33	19
14	18						342	254	505	117	31	19
15	20					50	390	232	453	113	31	21
16	19	28					443	246	393	113	31	23
17	19	29					326	274	332	117	31	22
18	20	33					274	271	300	112	32	20
19	20	36				58	285	254	300	98	31	20
20	20	35				67	336	248	310	91	31	21
21	20					63	396	274	300	91	29	20
22	21					62	372	332	307	84	28	21
23	22					59	313	396	319	74	28	21
24	22					59	248	443	322	68	27	25
25	23	30				60	224	446	274	64	24	23
26						63	237	439	246	63	28	23
27						53	282	443	243	59	29	23
28	25					51	288	464	248	58	29	23
29						89	274	421	248	58	28	23
30						102	322	414	214	63	27	24
31		-				81	-	605	-	62	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	599	-	15	19.3	1,190
November	911	36	-	30.4	1,810
December	775	-	-	25.0	1,540
Calendar year 1934	15,477	143	5.9	42.4	30,710
January	775	-	-	25.0	1,540
February	840	-	-	30.0	1,670
March	1,667	102	-	53.8	3,310
April	7,396	443	73	247	14,670
May	10,072	605	224	325	19,980
June	12,599	624	214	420	24,990
July	3,550	182	58	115	7,040
August	1,173	64	24	37.8	2,330
September	645	26	19	21.5	1,280
Water year 1934-35	41,002	624	15	112	81,350

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 Burns slough and heading of Dietrich Canal, and 1 mile east of railroad station at Richfield.

Records available.- January 1911 to September 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 163 second-feet Apr. 17, 18 (gage height, 1.80 feet); minimum, 32 second-feet June 26, 27 (gage height, 1.02 feet).
1911-35: Maximum recorded discharge, 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. Discharge interpolated Apr. 9, 19, 21, 22, May 5, 27. No records Oct. 1 to Mar. 31. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							123	98	134	46	65	76
2							121	105	138	47	70	78
3							121	107	142	47	71	80
4							121	109	125	49	71	81
5							127	100	111	48	71	80
6							129	92	100	62	68	80
7							129	89	100	67	67	80
8							125	89	102	68	70	83
9							134	88	100	68	70	84
10							142	89	107	68	70	84
11							142	89	107	62	67	86
12							132	86	89	64	68	86
13							123	91	80	62	68	84
14							129	91	76	62	67	86
15							140	80	81	64	65	86
16							147	70	84	62	67	88
17							161	60	70	65	70	86
18							154	64	60	65	71	86
19							138	61	47	71	71	86
20							123	59	44	72	70	88
21							129	60	41	72	70	88
22							134	56	40	72	67	88
23							140	51	38	71	68	88
24							123	50	38	71	70	88
25							104	59	37	70	70	89
26							96	56	33	62	68	91
27							91	54	35	68	68	89
28							86	52	33	67	70	88
29							84	59	40	67	71	88
30							88	68	41	67	72	88
31							-	75	-	67	74	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	3,736	161	84	125	7,410
May	2,357	109	50	76.0	4,680
June	2,273	142	33	75.8	4,510
July	1,973	72	46	63.6	3,910
August	2,145	74	65	69.2	4,250
September	2,553	91	76	85.1	5,060
The period	-	-	-	-	29,820

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 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 440 second-feet June 1 (gage height, 2.32 feet); minimum, 1 second-foot Sept. 30 (gage height, 0.30 foot).
1922-35: Maximum discharge, 664 second-feet June 18, 1922 (gage height, 2.26 feet); practically no flow July 29, 1931.

Remarks.- Records good. No records Oct. 1-22, Oct. 24 to Mar. 31. Discharge estimated July 25, 26. Numerous irrigation diversions above and below station. Small ditch for Shoshone water supply diverts from left bank immediately below gage. Gage-height record and 12 discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							76	290	437	360	286	264
2							58	295	399	362	299	277
3							50	307	399	352	311	32
4							40	264	376	350	315	26
5							40	242	368	345	315	30
6							45	203	340	342	303	19
7							56	186	315	348	290	30
8							64	196	319	340	295	50
9							58	200	338	335	299	47
10							56	216	340	335	307	50
11							62	230	338	335	303	47
12							68	246	335	340	303	49
13							56	246	331	342	311	38
14							50	277	331	342	299	38
15							58	323	331	338	290	62
16							64	315	338	338	290	56
17							70	323	338	345	286	49
18							74	315	342	348	286	49
19							64	348	342	352	272	47
20							49	355	335	352	268	47
21							44	348	335	358	268	38
22							54	335	342	355	268	40
23	16						54	331	340	355	268	38
24							66	323	338	352	246	37
25							58	338	342	320	277	34
26							40	342	350	220	272	31
27							34	348	364	192	272	49
28							47	355	368	192	272	58
29							44	374	362	189	277	37
30							250	399	352	246	272	19
31							-	416	-	268	272	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	1,839	250	34	61.3	3,650
May	9,288	416	186	300	18,420
June	10,485	437	315	350	20,800
July	9,940	362	189	321	19,730
August	8,892	315	246	287	17,640
September	1,688	277	19	56.3	3,350
The period	-	-	-	-	83,590

Fish Creek above dam near Carey, Idaho

Location.- Water-stage recorder in sec. 2, T. 1 N., R. 22 E., 1¼ miles above entrance 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 1935.

Extremes.- Maximum discharge during year, 68 second-feet May 31 (gage height, 1.03 feet); minimum discharge recorded, 1.4 second-feet Nov. 3 (gage height, 0.10 foot).
1920-35: 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, July 22 to Aug. 7, Sept. 14-22, 24-28, 30, 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.

Discharge, 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	2.5	3.9
2							20	45	53	11	2.4	3.9
3		1.4					25	38	48	9.8	2.4	3.9
4							29	36	44	8.8	2.4	3.9
5							34	35	41	8.8	2.3	3.9
6	1.9						38	36	40	9.8	2.3	3.9
7							39	36	36	8.8	2.2	3.9
8							39	36	32	7.9	2.2	3.9
9							40	34	30	7.0	2.2	3.9
10							41	32	29	6.2	2.2	3.6
11							42	32	27	5.8	2.2	3.6
12							42	32	24	5.8	2.2	3.6
13	3.2						43	36	21	5.0	2.6	3.6
14							46	37	20	5.0	2.6	3.5
15							52	32	17	4.3	2.6	3.4
16							57	33	16	3.9	2.9	3.3
17							64	36	16	3.6	2.9	3.2
18							56	38	16	3.6	2.9	3.1
19							51	36	16	3.6	2.9	3.0
20	3.2						52	35	16	3.6	2.6	2.9
21							60	35	15	2.9	2.6	2.8
22							60	36	14	2.9	2.6	2.7
23							58	36	15	2.8	2.6	2.6
24							49	37	15	2.8	2.9	2.7
25							44	36	15	2.7	2.9	2.8
26							41	36	14	2.7	3.2	2.9
27	3.5						44	35	14	2.7	3.2	3.0
28							44	38	13	2.6	3.6	3.1
29							40	39	12	2.6	3.9	3.2
30							46	46	12	2.6	3.9	3.2
31							-	65	-	2.5	3.9	-

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	163.1	11	2.5	5.26	324
August	84.8	3.9	2.2	2.74	168
September	100.9	3.9	2.6	3.36	200
The period	-	-	-	-	7,062

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 1935. Discharge measurements only in 1921 and 1922.

Extremes.- Maximum discharge during year, 91 second-feet July 15, 16 (gage height, 1.31 feet); minimum recorded discharge, 0.6 second-foot (estimated) Nov. 3 to Apr. 10.
1919-20, 1923-35: 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 estimated for Oct. 2-5, 7-12, 14-19, 21-26, 28-31, Nov. 1 to Mar. 31, Apr. 9-12, 14-20. Flow regulated by storage in Fish Creek Reservoir. No diversions between station and dam. Gage-height record furnished by water master for Fish Creek.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.5	6.3					0.6	29	28	41		
2	5.4	6.3					.6	29	22	33		
3	5.4	3.4					.6	29	22	33		
4	5.4						.6	29	22	25		
5	5.4						.6	29	22	6.1		
6	5.2						.6	32	22	8.1		
7	4.6						.6	40	22	9.0		
8	4.6						.6	40	22	14		
9	4.6						.6	40	23	14		
10	4.6						.6	44	29	14		
11	4.6						.7	48	32	25		
12	4.6						.7	48	45	50		
13	4.6						.7	48	55	68		
14	4.6						.7	48	65	60		
15	4.6						.7	48	65	83		
16	4.6						.7	48	65	90		
17	4.6	.6					.7	48	66	89		
18	4.6						.7	35	72	88	6.6	
19	4.6						.7	23	78	66		
20	4.8						.7	23	78	85		
21	5.4						.7	23	76	84		
22	5.4						.7	36	63	-		
23	5.4						.7	43	59	-		5.4
24	5.4						.9	43	54	-		-
25	5.4						.9	47	54	-		-
26	5.4						.9	49	54	-		-
27	5.6						.9	49	54	-		-
28	6.3						.9	49	54	-		-
29	6.3						.9	43	50	-		6.7
30	6.3						17	37	44	-		6.7
31	6.3	-					-	34	-	-		-

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	-	-	.6	37
Calendar year 1934	2,909.7	53	-	7.97	5,779
January	18.6	-	-	.6	37
February	16.8	-	-	.6	33
March	18.6	-	-	.6	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 1-21	1,027.2	90	8.1	48.9	2,040
August	-	-	-	-	-
September	-	-	-	-	-
The period	-	-	-	-	7,846

Silver Creek near Picabo, Idaho

Location.- Water-stage recorder, lat. 43°17', long. 114°1', in sec. 1, T. 2 S., R. 20 E., 1½ 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 1935 (irrigation seasons only since 1922).

Extremes.- Maximum discharge during period of record, 174 second-feet Apr. 10 (gage height, 2.00 feet); minimum, 54 second-feet June 13 (gage height, 0.84 foot).
1920-35: Maximum discharge, 312 second-feet Apr. 3, 1923 (gage height, 3.29 feet); minimum, 26 second-feet June 2, 1920 (gage height, 0.48 foot).

Remarks.- Records good. No records Oct. 1 to Mar. 31. Discharge interpolated Apr. 28, May 5, 12, 14, 15, June 19, 21, July 3, 7, 9, 11, Aug. 2, 10. 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 and five discharge measurements furnished by water master for Big Wood and Little Wood Rivers.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							140	116	132	76	105	114
2							137	113	119	78	105	112
3							136	109	95	79	105	111
4							146	105	80	80	106	109
5							154	102	68	88	106	109
6							147	100	64	102	107	111
7							138	100	64	102	106	111
8							142	101	64	103	107	112
9							164	99	61	103	108	112
10							171	99	60	103	106	112
11							156	97	58	102	103	112
12							145	100	56	101	101	113
13							140	103	55	102	100	112
14							132	96	70	104	99	109
15							128	90	83	103	102	114
16							134	83	91	104	106	114
17							134	78	90	104	105	115
18							126	72	88	102	105	114
19							120	75	80	103	106	116
20							114	76	71	106	106	113
21							111	75	70	108	106	111
22							115	72	68	107	105	109
23							111	78	68	108	105	110
24							107	78	68	108	106	108
25							106	76	63	107	107	108
26							102	80	72	106	108	106
27							101	76	64	106	107	107
28							100	86	70	100	107	106
29							99	88	72	100	108	106
30							105	96	73	101	110	106
31							-	121	-	102	114	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	3,861	171	99	129	7,660
May	2,840	121	72	91.6	5,630
June	2,237	132	55	74.6	4,440
July	3,098	108	76	99.9	6,140
August	3,281	114	99	106	6,510
September	3,324	116	106	111	6,590
The period	-	-	-	-	36,970

Note.- The flow in bypass channel, which carries water around gage on right bank, was estimated to be 1.0 second-foot on Apr. 1 and measured to be 2.94 second-feet on Apr. 11; no flow was reported on Apr. 29, May 21, June 15, July 13, Aug. 17, Sept. 20.

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 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 305 second-feet May 21, 22; maximum gage height, 3.64 feet Aug. 13 to Sept. 4; practically no flow during nonirrigation season.

1930-35: Maximum discharge, 306 second-feet Aug. 22-25, 1932, and June 17-26, 1933; maximum gage height, 3.64 feet July 3, 4, 1931, and Aug. 13 to Sept. 4, 1935; practically no flow during nonirrigation season.

Remarks.- Records good. Result of discharge measurement shown for Oct. 29. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0						39	254	273	286	284	295
2	0						84	259	265	281	284	295
3	0						135	270	260	198	284	295
4	107						135	275	255	0	284	158
5	216						135	273	254	0	286	277
6	232						140	284	258	93	282	288
7	224						147	290	260	247	291	288
8	202						147	290	263	266	291	288
9	143					4	147	290	263	281	291	288
10						5	147	291	271	286	291	286
11						5	147	295	275	288	291	283
12						5	147	295	284	291	293	279
13						5	147	299	293	291	295	278
14						5	145	300	293	291	295	278
15						5	166	303	298	291	295	278
16						5	176	303	298	291	295	278
17						5	176	303	296	291	295	275
18						5	176	303	295	291	295	275
19						5	185	301	293	291	295	273
20						5	190	301	293	291	295	271
21						5	190	305	293	290	295	271
22						5	199	305	293	284	295	271
23						5	216	303	293	284	295	265
24						5	227	303	291	284	295	252
25						5	233	303	291	284	295	243
26						5	236	303	291	284	295	230
27						5	160	303	291	284	295	228
28						6	217	301	291	286	295	227
29	1					6	246	301	291	284	295	224
30						6	246	301	286	284	295	224
31						6	-	292	-	284	295	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October 1-9	1,124	232	0	125	2,230
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	118	6	4	5.1	234
April	5,081	246	39	169	10,080
May	9,099	305	254	294	18,050
June	8,451	298	254	282	16,760
July	7,977	291	0	257	15,820
August	9,057	295	282	292	17,960
September	7,961	295	158	265	15,790
Water year	-	-	-	-	-

Note.- Gates closed during nonirrigation season, when there was no flow except small leakage or occasional run to soak the 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 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 92 second-feet Apr. 9 (gage height, 1.40 feet); no flow reported during fall and winter.
1924-29, 1931-35: Maximum discharge, 226 second-feet Feb. 21, 1927 (gage height, 2.18 feet, old datum); no flow for long periods each year.

Remarks.- Records good except those estimated Mar. 5, 6, Apr. 18, May 21, 22, July 25, Aug. 2-11, 17-20, which are fair. Canal diverts from Canyon Creek in sec. 36, T.2 S., R. 6 E.; water used for irrigation on about 5,000 acres included in project of the Mountain Home Irrigation District, for which water is delivered by 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 direct into the Mountain Home Reservoir. No diversions from canal above gage; three small diversions between gage and headgates of Mountain Home Cooperative Canal half a mile below. Flow regulated by headgate 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1						16	31	36	39	71	10	0
2						18	30	33	33	70	2	0
3						16	32	32	33	68	1	0
4						19	41	30	32	65	1	0
5						19	48	28	30	65	1	0
6						18	48	27	30	65	1	0
7						16	48	25	44	65	1	0
8						18	65	35	59	60	1	0
9						16	88	59	62	58	1	0
10						15	85	66	62	58	1	0
11						14	83	66	62	58	1	0
12						14	79	73	61	62	1	0
13						20	77	77	61	62	1	0
14						32	73	76	61	62	1	0
15						39	72	78	61	57	2	0
16						37	79	85	61	57	2	0
17						34	74	89	62	47	2	0
18						32	66	85	62	45	2	0
19						30	59	85	62	49	1	0
20						29	57	81	62	49	1	0
21						29	57	78	62	49	1	0
22						28	53	74	62	46	1	0
23						26	52	71	61	48	0	0
24						26	48	69	61	48	0	0
25						25	45	69	60	48	0	0
26						26	41	68	61	49	0	0
27						26	40	70	70	55	0	0
28					18	26	38	69	78	59	0	0
29					-	27	36	66	78	57	0	1
30					-	33	38	69	73	35	0	1
31					-	32	-	44	-	24	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	762	39	14	24.6	1,510
April	1,683	88	30	56.1	3,340
May	1,913	89	25	61.7	3,790
June	1,705	78	30	56.8	3,380
July	1,711	71	24	55.2	3,390
August	36	10	0	1.2	71
September	2	1	0	.1	4
The period	-	-	-	-	15,480

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 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 1935, irrigation seasons only.

Extremes.- Maximum discharge during year, 76 second-feet May 17 (gage height, 1.29 feet); no water diverted into canal during nonirrigation season, probably no flow prior to Apr. 19 and after Aug. 1.

1924-29, 1931-35: Maximum discharge, 109 second-feet July 16, 1925 (gage height, 1.69 feet); no flow during nonirrigation periods.

Remarks.- Records good. Discharge estimated Apr. 19, May 16, Aug. 1; interpolated June 21-25, July 25. 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 in the Mountain Home irrigation district. Gage-height record furnished by Mountain Home Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							0	6	11	68	3	
2							0	6	10	68	0	
3							0	5	10	65	0	
4							0	5	10	60	0	
5							0	6	14	60	0	
6							0	6	23	60	0	
7							0	13	35	59	0	
8							0	22	48	53	0	
9							0	41	50	52	0	
10							0	46	53	52	0	
11							0	48	54	52	0	
12							0	53	56	55	0	
13							0	58	56	56	0	
14							0	59	56	56	0	
15							0	60	56	51	0	
16							0	69	55	50	0	
17							0	68	56	43	0	
18							0	65	56	39	0	
19							4	63	55	42	0	
20							6	63	56	41	0	
21							6	63	56	41	0	
22							7	65	56	38	0	
23							7	65	56	40	0	
24							6	62	56	40	0	
25							7	59	56	42	0	
26							7	59	56	43	0	
27							6	59	67	47	0	
28							6	58	73	51	0	
29							6	59	74	49	0	
30							6	58	69	29	0	
31							-	19	-	19	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	74	7	0	2.5	147
May	1,388	69	5	44.8	2,750
June	1,439	74	10	48.0	2,850
July	1,521	68	19	49.1	3,020
August	3	3	0	.1	6
September	0	0	0	0	0
The period	-	-	-	-	8,770

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 1935.

Extremes.- Maximum discharge during year, 1,240 second-feet Apr. 15 (gage height, 6.07 feet); minimum, 0.6 second-foot Oct. 1 (gage height, 1.06 feet).
1913, 1927-35: Maximum discharge, 1,510 second-feet Mar. 26, 1928 (gage height, 7.0 feet); no flow July 29 to Sept. 15, 1931, and July 21 to Sept. 18, 1934.

Remarks.- Records good except those for Nov. 28 to Mar. 24, when recorder was not operating on account of ice and discharge was estimated. Diversions for irrigation above station.

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

1.0	0	1.8	62	2.6	204	4.0	562
1.2	3.5	2.0	93	2.8	245	4.5	717
1.4	15	2.2	128	3.0	290	5.0	880
1.6	35	2.4	165	3.5	416	5.5	1,050
						6.0	1,220

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1	e					154	752	733	56	5	1
2	1	9					202	580	520	54	5	1
3	2	10					230	463	424	49	5	1
4	2	12					274	432	386	48	5	1
5	2	11					239	460	357	47	5	1
						10						
6	3	10					180	535	334	44	4	1
7	3	9					241	565	322	42	4	1
8	4	9					471	566	304	36	6	2
9	4	e					454	571	272	32	6	2
10	4	8					388	583	245	27	5	1
11	5	e					446	562	224	25	5	1
12	5	e					556	523	214	21	4	1
13	6	8					746	523	206	19	5	1
14	6	8					913	477	192	18	4	1
15	7	8					1,090	418	176	17	4	1
16	8	6					1,120	435	163	16	4	1
17	8	8					821	568	150	15	5	1
18	8	11				20	626	491	132	14	4	1
19	8	11					632	394	121	12	4	1
20	8	10					765	373	108	12	4	1
21	7	10					997	381	98	10	4	1
22	7	11					987	407	90	9	4	1
23	8	11					801	440	80	8	4	1
24	8	12					666	449	77	8	4	1
25	8	11				77	604	429	68	7	3	1
26	8	11				96	608	413	65	7	3	2
27	8	11				70	673	410	62	6	2	2
28	7					76	685	413	58	6	2	2
29	7	10				126	679	386	56	5	1	2
30	7					165	739	526	59	5	1	3
31	e	-				144	-	759	-	4	1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	178	e	1	5.7	353
November	287	12	6	9.6	569
December	279	-	-	*9	553
Calendar year 1934	5,492	92	0	15.0	10,900
January	248	-	-	*8	492
February	196	-	-	*7	389
March	1,134	165	-	36.6	2,250
April	17,987	1,120	154	600	35,680
May	15,286	759	373	493	30,320
June	6,296	733	56	210	12,490
July	679	56	4	21.9	1,350
August	122	6	1	3.9	242
September	38	3	1	1.3	75
Water year 1934-35	42,730	1,120	1	117	84,760

*Estimated.

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 1935.

Extremes.- Maximum discharge during year, 12,500 second-feet Apr. 12 (gage height, 11.64 feet); minimum, 124 second-feet Sept. 25 (gage height, 3.67 feet).
1931-35: Maximum discharge, 16,000 second-feet (revised) Mar. 20, 1932 (gage height, 12.95 feet); minimum, 103 second-feet Aug. 19, 1934 (gage height, 3.57 feet).

Remarks.- Records good. Mean discharge for periods Jan. 20-31, Feb. 1-17, estimated on basin of change in storage in Owyhee Reservoir. 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 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Sept. 1-30)

3.5	90	5.0	600	7.5	2,700	10.0	7,550
3.7	130	5.5	905	8.0	3,390	10.5	9,000
4.0	205	6.0	1,260	8.5	4,210	11.0	10,600
4.3	299	6.5	1,680	9.0	5,180	11.7	12,900
4.6	410	7.0	2,150	9.5	6,270		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	146	156	197	276		606	3,170	3,860	2,300	330	153	130
2	148	158	194	266		667	2,700	4,120	3,240	324	156	128
3	151	158	194	229		1,000	2,640	4,210	3,170	320	158	128
4	146	160	192	217		1,140	3,030	3,860	2,700	306	151	128
5	144	163	183	211		1,080	5,080	3,540	2,360	292	151	128
6	146	163	178	220		905	5,390	3,320	2,000	296	151	128
7	151	163	186	238		715	4,300	3,100	1,720	296	144	126
8	158	166	186	235		589	4,300	2,960	1,540	292	144	126
9	151	166	181	232	372	477	9,520	2,830	1,420	279	146	126
10	148	166	178	232		442	9,620	2,760	1,300	269	142	126
11	151	168	176	229		422	10,600	2,760	1,220	260	139	128
12	148	168	176	229		418	11,200	2,700	1,140	247	142	128
13	146	170	176	226		464	10,900	2,640	1,080	238	142	128
14	148	170	176	220		727	9,620	2,580	1,000	232	139	130
15	148	170	186	217		1,500	10,200	2,470	938	226	139	130
16	151	170	192	223		2,960	10,900	2,200	872	226	139	128
17	153	170	208	220		2,470	11,200	2,150	827	223	142	128
18	151	173	238	217	276	1,820	8,700	2,050	763	214	137	130
19	151	173	235	226	292	1,540	7,020	2,100	691	211	135	132
20	153	173	229		299	1,420	6,510	2,150	638	200	135	135
21	158	173	235		334	1,260	6,510	2,050	616	181	135	135
22	158	176	402		525	1,080	6,510	1,860	578	183	135	135
23	158	178	616		905	905	5,600	1,720	505	183	135	137
24	158	181	490		1,110	814	5,080	1,640	454	183	132	137
25	156	186	450	208	1,180	840	4,780	1,590	426	178	130	135
26	158	189	394		905	1,220	4,680	1,540	422	170	130	137
27	158	197	348		679	1,860	4,390	1,590	422	168	132	142
28	156	197	341		628	2,150	4,120	1,590	382	163	132	142
29	158	200	313		-	1,720	3,780	1,540	363	163	132	142
30	156	200	273		-	1,820	3,540	1,590	341	163	132	142
31	156	-	247		-	3,390	-	1,640	-	158	132	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	4,719	158	144	152	9,360
November	5,201	200	156	173	10,320
December	7,972	616	176	257	15,810
Calendar year 1934	85,763	1,000	113	235	170,100
January	6,859	276	-	221	13,600
February	13,457	1,180	-	481	26,690
March	38,421	3,390	416	1,240	76,210
April	195,590	11,200	2,640	6,520	387,900
May	76,710	4,210	1,540	2,470	152,200
June	35,428	3,240	341	1,180	70,270
July	7,174	330	158	231	14,230
August	4,342	158	130	140	8,610
September	3,955	142	126	132	7,840
Water year 1934-35	399,828	11,200	126	1,100	793,000

Owyhee Reservoir at Owyhee Dam, near Nyssa, Oreg.

Location.- Staff gage, lat. 43°38'30", long. 117°14'40", in sec. 20, T. 22 S., R. 45 E., at Owyhee Dam, 21 miles southwest of Nyssa, Oreg. Gage readings are elevations above mean sea level.

Records available.- October 1932 to September 1935.

Extremes.- Maximum contents during year, 809,660 acre-feet June 22 (elevation, 2,642.30 feet); minimum, 128,210 acre-feet Oct. 1 (elevation, 2,514.17 feet).
1932-35: Maximum contents, that of June 22, 1935; no storage Oct. 1-16, 1932.

Remarks.- Owyhee Dam, built by the U. S. Bureau of Reclamation, was completed in September 1932. Storage of water for irrigation began Oct. 16, 1932. Capacity of reservoir at elevation 2,670 feet is 1,120,000 acre-feet above elevation 2,367.5 feet (sluice gates) and 715,000 acre-feet above elevation 2,590.2 feet (diversion tunnel). According to the plan for operation the water level will not generally be drawn below elevation 2,590.2 feet. Water is released through diversion tunnel for irrigation of lands west of Snake River near Homedale, Idaho, and near Nyssa and Ontario, Oreg.; also released through dam to river for Owyhee Canal, which diverts about 18 miles downstream. Records furnished by U. S. Bureau of Reclamation and State engineer.

Monthly elevation and contents,
water year October 1934 to September 1935

Date	Elevation (feet)	Contents (acre-feet)	Change in contents during month (acre-feet)
Sept.30	2,514.07	127,990	-----
Oct. 31	2,517.78	136,310	+ 8,320
Nov. 30	2,521.76	145,620	+ 9,310
Dec. 31	2,527.80	160,590	+14,970
Jan. 31	2,532.79	173,750	+13,160
Feb. 28	2,541.82	199,920	+26,170
Mar. 31	2,561.90	271,520	+71,600
Apr. 30	2,623.80	643,000	+371,480
May 31	2,638.06	768,880	+125,880
June 30	2,642.13	807,990	+ 39,110
July 31	2,640.10	788,280	-19,710
Aug. 31	2,637.95	767,850	-20,430
Sept.30	2,636.41	753,470	-14,380
Water year 1934-35			+625,480

Owyhee River below Owyhee Dam, Oreg.

Location.- Water-stage recorder, lat. 43°39'10", long. 117°15', 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 1935.

Extremes.- Maximum discharge during year, 313 second-feet July 18 (gage height, 2.07 feet); minimum (estimated), 3 second-feet Oct. 4 to Dec. 31.
1929-35: 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 for Oct. 4 to Apr. 16, Sept.1-30, which are fair. Discharge estimated Oct. 4 to Apr. 16, Sept. 20-25. 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 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used June 26 to July 16)

-0.4	1.5	0.2	21	1.2	121
- .2	6	.5	41	1.6	197
0	12	.8	68	2.0	294

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.1							204	289	258	224	156
2	3.1							204	289	258	215	180
3	3.1							204	291	258	206	208
4								193	291	263	210	204
5								193	261	263	197	193
6								217	260	260	156	204
7								273	263	260	156	191
8								281	263	260	158	149
9								281	263	260	158	149
10							5.0	281	263	260	160	149
11								281	256	253	160	149
12								281	241	238	176	151
13								284	231	238	204	154
14								284	238	238	201	158
15								284	238	238	204	158
16								286	238	238	204	158
17	3.0						18	278	238	238	204	81
18							123	276	236	241	204	20
19							126	284	236	250	204	19
20							133	273	238	250	204	10
21							126	276	236	253	204	10
22							123	286	231	246	204	10
23							128	289	248	238	204	10
24							133	289	215	241	204	10
25							151	289	138	243	204	10
26							199	289	238	243	176	92
27							201	289	236	236	152	147
28							204	289	258	224	152	152
29							204	284	260	224	154	70
30							204	261	258	221	154	10
31							-	289	-	221	156	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	93.3	-	-	3.01	185
November	90	-	-	3.0	179
December	93	-	-	3.0	184
Calendar year 1934	35,658.3	291	1.5	98.2	71,130
January	124	-	-	4.0	246
February	112	-	-	4.0	222
March	124	-	-	4.0	246
April	2,153.0	204	-	71.8	4,270
May	6,294	289	193	268	16,450
June	7,465	291	138	249	14,810
July	7,612	263	221	246	15,100
August	5,769	224	152	186	11,440
September	3,362	206	10	112	6,670
Water year 1934-35	35,291.3	291	-	96.7	70,000

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 1935.

Average discharge.- 24 years, 1,120 second-feet.

Extremes.- Maximum discharge during year, 4,970 second-feet May 24 (gage height, 5.67 feet); minimum, 227 second-feet Oct. 7 (gage height, 1.82 feet).
1911-35: Maximum discharge, 10,300 second-feet May 17, 1927 (gage height, 8.30 feet); minimum, about 142 second-feet Nov. 13, 1916.

Remarks.- Records good. Discharge estimated Dec. 11-15, Jan. 4-6, 20-24, Jan. 30 to Feb. 10, Mar. 10-15, Apr. 9; interpolated Mar. 3, 4, July 7-12. Results of two discharge measurements furnished by water master for Boise River.

Rating table, Jan. 6 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

1.8	220	2.6	720	3.4	1,530	4.2	2,550	5.0	3,740
2.0	315	2.8	895	3.6	1,770	4.4	2,830	5.2	4,070
2.2	430	3.0	1,090	3.8	2,020	4.6	3,120	5.4	4,420
2.4	565	3.2	1,305	4.0	2,280	4.8	3,420	5.7	4,970

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	240	366	350	310	375	469	558	2,760	4,240	1,400	424	265
2	235	416	315	300	375	462	565	2,620	4,070	1,270	424	270
3	235	404	305	300	375	451	565	2,480	3,740	1,250	416	270
4	235	404	404	325	375	441	610	2,480	3,660	1,230	400	260
5	235	422	345	425	400	430	712	2,760	3,900	1,200	394	256
6	231	470	310	425	450	388	696	3,120	4,240	1,210	382	260
7	264	464	330	424	450	416	688	3,200	4,420	1,150	364	256
8	282	458	330	424	450	462	942	3,200	4,420	1,080	359	256
9	264	446	310	400	450	436	1,200	3,120	4,510	1,020	348	256
10	248	434	282	388	425	450	1,240	3,120	3,900	954	342	256
11	244	416	280	388	450	475	1,240	3,050	3,660	890	337	252
12	240	404	300	370	450	500	1,420	2,900	3,820	826	337	252
13	240	399	380	382	462	525	1,900	2,620	3,660	762	332	252
14	244	388	400	370	443	575	2,220	2,480	3,420	726	326	252
15	252	377	400	382	400	650	2,760	2,480	3,120	704	320	265
16	264	372	377	388	348	610	3,340	2,550	2,760	680	326	275
17	264	366	377	376	394	610	2,620	3,050	2,420	664	326	270
18	269	434	377	370	476	602	2,220	2,830	2,350	632	332	265
19	278	446	377	364	469	544	2,280	2,620	2,480	602	332	260
20	274	422	399	300	462	580	2,830	2,690	2,550	588	326	256
21	310	404	416	275	482	565	3,740	3,050	2,350	565	315	256
22	366	388	422	275	495	530	3,580	3,660	2,350	551	300	256
23	360	394	399	350	495	509	2,900	4,330	2,480	530	295	252
24	410	388	394	400	476	509	2,350	4,780	2,150	516	290	252
25	519	382	388	406	418	516	2,150	4,510	1,960	502	285	252
26	446	377	372	388	430	537	2,280	4,160	1,830	495	280	256
27	410	377	377	394	469	482	2,690	4,070	1,770	476	280	256
28	394	360	388	406	495	509	2,690	3,820	1,770	456	280	256
29	382	372	360	406	-	537	2,760	3,740	1,770	450	275	256
30	366	340	382	400	-	580	2,900	3,660	1,600	436	275	256
31	360	-	355	375	-	610	-	3,900	-	430	270	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	9,361	519	231	302	0.364	0.42	18,570
November	12,090	470	340	403	.486	.54	23,980
December	11,201	422	280	361	.435	.50	22,220
Calendar year 1934	268,846	3,440	200	737	.888	12.04	533,200
January	11,486	425	275	371	.447	.52	22,780
February	12,239	495	348	437	.527	.55	24,280
March	15,962	650	388	515	.620	.71	31,660
April	58,646	3,740	558	1,955	2.36	2.63	116,300
May	99,810	4,780	2,480	3,220	3.88	4.47	198,000
June	91,370	4,510	1,600	3,046	3.67	4.10	181,200
July	24,247	1,400	430	782	.942	1.09	48,090
August	10,294	424	270	332	.400	.46	20,420
September	7,752	275	252	258	.311	.35	15,380
Water year 1934-35	364,458	4,780	231	999	1.20	16.34	722,900

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 1935.

Extremes.- Maximum contents during year, 284,300 acre-feet June 7, 8, 12, 13, 15, 16 (gage height, 3,213.6 feet); natural flow passing through reservoir Oct. 14-24. 1917-35: 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. Gage-height record and table of storage capacity furnished by U. S. Bureau of Reclamation. Sluice gates open and natural flow of river passing through dam Oct. 14-24.

Contents, in acre-feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9,670	7,834	15,020	14,020	51,690	67,280	84,050	257,900	283,700	272,000	167,600	59,880
2	10,400	9,174	14,600	14,910	51,900	67,930	84,050	260,200	283,400	270,000	164,600	56,880
3	11,100	11,070	14,020	15,620	51,900	68,060	83,750	263,400	284,000	266,000	161,900	53,780
4	11,000	12,720	13,500	16,490	51,800	66,060	84,050	265,700	283,700	265,700	159,200	51,030
5	10,940	14,290	13,140	18,000	51,690	68,190	84,950	266,800	283,700	263,400	156,500	48,400
6	10,810	15,820	12,720	19,770	51,690	66,320	86,900	268,300	284,000	260,400	153,300	46,100
7	10,620	17,500	12,330	21,460	51,690	67,800	87,500	270,000	284,300	257,900	150,200	43,600
8	9,143	19,040	11,520	23,160	51,910	67,540	88,940	270,900	284,300	254,500	147,200	41,160
9	7,610	20,480	11,290	24,770	51,690	67,540	93,900	273,200	284,000	251,200	144,000	38,840
10	6,695	21,950	11,040	26,380	51,800	67,410	99,240	275,000	282,500	247,500	140,600	37,460
11	4,750	23,380	10,680	27,690	52,240	66,760	104,300	276,500	282,500	243,700	137,000	36,410
12	2,450	24,710	10,330	29,260	52,900	68,580	109,400	276,800	284,300	240,300	133,400	35,290
13	1,075	24,890	10,330	30,820	53,560	70,400	115,700	276,500	284,300	236,900	129,300	34,180
14	0	24,590	10,780	31,840	54,240	72,480	123,400	275,600	283,700	233,000	125,100	33,500
15	0	23,890	11,460	33,110	54,840	75,240	132,800	274,700	284,300	228,900	121,000	33,410
16	0	22,990	11,760	34,500	55,440	78,180	145,200	274,400	284,300	225,000	117,000	33,030
17	0	22,110	11,720	35,950	56,040	80,900	157,700	275,300	283,700	221,000	112,900	32,650
18	0	21,360	11,690	37,220	56,880	83,150	167,400	276,500	283,100	216,800	109,100	32,350
19	0	20,890	11,690	38,270	57,720	84,950	175,300	275,900	283,100	212,800	105,400	31,910
20	0	20,480	11,720	39,270	58,800	85,550	183,000	275,300	283,100	209,000	101,400	30,030
21	0	19,920	11,990	39,720	60,000	86,450	192,400	275,300	283,100	205,100	97,540	27,490
22	0	19,380	12,160	40,440	61,170	86,600	205,300	276,800	282,800	201,700	93,580	24,770
23	0	18,800	11,920	41,610	62,210	86,450	216,800	278,600	282,800	198,100	89,740	22,220
24	0	18,280	11,790	42,960	63,250	86,000	225,200	280,100	282,800	194,300	85,700	19,380
25	1,476	17,860	11,360	44,400	64,290	85,700	231,700	280,700	281,900	190,800	82,400	16,880
26	2,595	17,320	10,880	45,800	65,070	85,400	237,500	280,400	280,700	187,400	79,160	14,360
27	3,459	16,840	10,300	47,200	65,980	84,950	242,400	280,100	279,500	183,900	75,800	11,490
28	4,345	16,410	10,040	48,500	66,760	84,350	248,400	280,700	277,700	180,600	72,740	11,200
29	5,092	15,910	9,360	50,040	-	83,900	252,800	281,600	276,200	177,300	69,620	11,130
30	5,756	15,500	11,330	50,810	-	83,600	255,900	282,500	274,400	174,000	66,500	11,070
31	6,570	-	12,750	51,360	-	83,900	-	283,100	-	170,700	63,120	-

Note.- These values do not allow for possible silt effect. Contents on September 30, 1934, was 8,990 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 1935.

Average discharge.- 24 years, 2,220 second-feet.

Extremes.- Maximum discharge during year, 9,570 second-feet June 9 (gage height, 7.38 feet); minimum discharge recorded, 5 second-feet Jan. 9 (gage height, 0.80 foot). 1911-35: Maximum discharge, 17,600 second-feet May 11, 1928 (gage height, 9.55 feet); minimum, 5 second-feet Nov. 2-10, Dec. 21-31, 1924, Jan. 1-6, Mar. 26-29, 1925, and Jan. 9, 1935.

Remarks.- Records good. Discharge estimated Dec. 29-31, Jan. 1, 5, 6, May 8. Flow regulated by storage in Arrowrock Reservoir. No diversions above station. Gage-height record furnished by U. S. Bureau of Reclamation. Seven discharge measurements furnished by water master for Boise River and board of control for the Boise project.

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

0.8	5	1.6	130	2.5	510	4.5	2,740	6.5	7,060
1.0	15	1.8	190	3.0	860	5.0	3,650	7.0	8,420
1.2	40	2.0	260	3.5	1,350	5.5	4,670	7.5	9,870
1.4	80	2.2	345	4.0	1,980	6.0	5,810		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	190	228	896	90	772	705	1,350	4,360	8,140	3,650	2,270	2,050
2	190	184	860	145	896	836	1,460	3,650	7,860	3,460	2,200	1,980
3	336	105	860	214	923	950	1,460	3,560	7,590	3,360	2,200	1,980
4	486	92	869	166	995	941	1,330	4,150	7,320	3,360	2,120	1,840
5	492	98	852	80	1,010	950	1,030	4,670	7,320	3,460	2,200	1,780
6	504	80	820	25	1,090	1,000	1,080	5,220	7,590	3,560	2,200	1,780
7	851	68	788	82	1,120	1,030	1,170	5,690	8,140	3,650	2,270	1,710
8	1,060	90	758	26	1,120	1,030	543	5,500	8,420	3,560	2,200	1,710
9	905	110	735	13	923	1,040	314	5,000	8,990	3,560	2,270	1,400
10	1,060	95	712	42	772	1,040	439	5,460	7,590	3,560	2,340	1,040
11	1,190	68	684	62	670	482	462	6,690	6,550	3,460	2,420	1,030
12	970	383	677	54	590	7	395	5,810	6,800	3,360	2,500	1,010
13	691	828	677	72	576	6	340	5,690	6,800	3,360	2,660	812
14	480	1,020	684	118	564	6	272	5,570	6,300	3,460	2,660	670
15	492	1,140	750	100	474	6	103	5,220	5,690	3,360	2,580	663
16	516	1,160	780	88	395	6	12	5,000	5,460	3,360	2,580	670
17	522	1,140	765	78	395	87	10	5,220	5,000	3,360	2,500	670
18	528	1,120	796	108	395	318	159	5,690	4,560	3,270	2,500	670
19	534	1,110	765	120	395	583	655	5,690	4,460	3,180	2,500	1,240
20	540	1,090	772	225	395	869	995	5,460	4,560	3,090	2,500	1,580
21	570	1,080	780	309	400	1,080	774	5,460	4,460	3,000	2,500	1,780
22	677	1,060	836	197	400	1,220	609	5,810	4,250	2,910	2,500	1,780
23	728	1,040	932	125	400	1,260	780	7,060	4,250	2,820	2,420	1,840
24	677	1,030	905	120	408	1,280	1,040	8,140	4,250	2,820	2,270	1,780
25	684	1,010	1,000	110	412	1,320	1,260	8,420	4,050	2,740	2,120	1,710
26	602	995	950	78	422	1,330	1,280	8,140	3,950	2,660	2,120	1,710
27	510	986	995	44	474	1,350	2,270	7,590	3,950	2,660	2,120	1,040
28	480	950	950	74	622	1,400	2,660	7,060	4,050	2,580	1,980	528
29	450	941	400	243	-	1,400	3,360	6,800	3,950	2,580	2,120	528
30	422	914	60	462	-	1,350	4,250	7,060	3,850	2,580	2,120	522
31	280	-	90	609	-	1,330	-	7,590	-	2,500	2,050	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	18,617	1,190	190	601	36,930
November	20,215	1,160	68	674	40,100
December	23,398	1,000	60	755	46,410
Calendar year 1934	481,547	3,950	-	1,319	955,100
January	4,279	609	13	138	8,490
February	18,006	1,120	395	643	35,710
March	26,212	1,400	6	846	51,990
April	31,852	4,250	10	1,062	63,180
May	181,430	8,420	3,560	5,853	359,900
June	176,150	8,990	3,850	5,872	349,400
July	98,290	3,650	2,500	3,171	195,000
August	71,990	2,660	1,980	2,322	142,800
September	39,503	2,050	522	1,317	78,360
Water year 1934-35	709,942	8,990	6	1,945	1,408,000

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Boise River at Notus, Idaho

Location.- Staff gage, lat. 43°43', long. 116°48', in sec. 34, T. 5 N., R. 4 W., at steel highway bridge a quarter of a mile south of Notus and 7 miles northwest of Caldwell.

Records available.- April 1920 to September 1935.

Average discharge.- 13 years (1920-22, 1924-35), 1,090 second-feet.

Extremes.- Maximum discharge observed during year, 5,070 second-feet June 10 (gage height, 5.20 feet); minimum, 24 second-feet Aug. 25, 26 (gage height, 0.20 foot). 1920-35: Maximum discharge observed, 14,500 second-feet May 19, 20, 1921; maximum gage height, 7.4 feet May 12, 1928; minimum discharge, 10 second-feet Aug. 18, 1920.

Remarks.- Records good. Discharge estimated Apr. 8-12, 14-16; interpolated Apr. 18, June 20-23. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	48	558	585	595	530	505	359	1,640	4,090	33	34	26
2	45	585	558	585	530	480	359	2,410	4,570	33	32	28
3	45	585	558	530	530	505	193	1,050	3,860	32	33	28
4	44	558	558	530	530	395	268	242	3,630	39	38	26
5	44	558	558	558	558	558	326	242	2,980	28	38	29
6	44	558	505	645	530	530	645	1,050	2,980	25	38	28
7	36	530	530	530	505	505	645	1,160	3,860	36	36	29
8	36	505	585	615	558	615	530	1,220	4,090	53	32	28
9	36	480	558	615	558	558	270	1,270	4,570	36	30	29
10	34	530	558	585	530	530	270	1,390	5,070	44	28	29
11	32	530	615	585	558	480	275	1,270	3,410	38	28	29
12	32	505	585	558	558	505	280	1,510	1,930	45	26	27
13	31	505	558	530	558	505	282	1,580	3,190	37	25	28
14	33	505	615	505	558	530	280	1,330	2,980	39	25	28
15	45	480	585	558	558	505	270	1,000	2,780	41	26	30
16	46	558	558	595	558	505	270	1,330	2,080	41	25	31
17	159	585	558	585	505	558	435	710	1,270	37	26	31
18	435	558	558	585	505	415	314	1,160	1,160	34	29	32
19	505	558	585	530	505	558	193	1,510	905	34	31	31
20	480	558	645	530	505	558	182	1,220	745	30	31	29
21	377	558	558	558	615	415	268	1,220	585	29	31	29
22	311	585	505	558	615	505	170	1,220	425	29	29	33
23	282	615	530	585	558	480	268	1,160	265	29	31	33
24	395	558	530	615	558	415	326	3,630	105	29	31	32
25	645	585	558	615	458	458	268	4,570	86	29	24	31
26	645	558	558	615	415	505	217	4,330	48	30	24	31
27	615	615	585	615	505	435	435	3,860	49	28	26	32
28	585	615	585	530	530	359	585	3,410	49	29	26	33
29	585	585	615	558	-	435	435	2,780	49	29	25	34
30	585	585	615	558	-	435	435	2,590	33	30	25	36
31	558	-	585	530	-	435	-	3,860	-	36	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	7,793	645	31	251	15,460
November	16,648	615	480	555	33,020
December	17,639	645	505	569	34,990
Calendar year 1934	97,160	780	16	266	192,700
January	17,666	645	505	570	35,040
February	15,034	615	415	537	29,820
March	15,177	615	359	490	30,100
April	10,053	645	170	335	19,940
May	56,924	4,570	242	1,836	112,900
June	61,844	5,070	33	2,061	122,700
July	1,062	45	25	34.3	2,110
August	909	38	24	29.3	1,800
September	900	36	26	30.0	1,790
Water year 1934-35	221,649	5,070	24	607	439,700

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 1935. Record of daily diversions subsequent to 1915 on file in 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 1935.

Main canal of U. S. Bureau of Reclamation	641,610
Penitentiary	2,340
Ridenbaugh	133,760
Bubb	4,100
Consumers (Cruzen)	6,370
Boise City, no. 1	9,420
Settlers	42,640
Thurman Mill	10,360
Farmers Union (includes Boise Valley diversion)	48,240
New Union (Little Union)	4,140
New Dry Creek (Dry Creek)	17,210
Ballantine	3,490
7 Eagle Island canals	11,290
Middleton Water Co	20,600
Middleton Mill Ditch	20,650
Phyllis	96,940
Eureka no. 1	8,110
Pioneer (Little Pioneer)	8,900
Canyon County	20,360
Caldwell High Line	21,530
Riverside no. 2	44,620
Farmers Cooperative	75,710
Canyon (Campbell)	4,260
Seibenberg	3,220
Pioneer Dixie	7,880
Eureka no. 2	12,480
Upper Center Point	3,000
Lower Center Point	2,990
Miscellaneous	7,500
Total	1,293,900

Combined monthly discharge of canals diverting from Boise River, Idaho, 1935

Month	Discharge in second-feet			Run-off in acre-feet
	Maximum	Minimum	Mean	
April	3,965	1,383	2,001	119,100
May	5,778	4,219	5,452	335,200
June	5,781	4,732	5,343	317,900
July	4,636	3,026	3,877	238,400
August	3,124	2,272	2,838	174,500
September	2,547	1,052	1,829	108,800
The period				1,293,900

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 1935.

Average discharge.- 24 years, 957 second-feet.

Extremes.- Maximum discharge during year, 4,190 second-feet May 24 (gage height, 6.68 feet); minimum, 174 second-feet Sept. 7, 8 (gage height, 1.98 feet).
1911-35: 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. Discharge estimated Nov. 24 to Dec. 17, Jan. 1-4, 12-31, Feb. 3, 4, 15-17, 19-28, Mar. 1-8. No diversions for irrigation above station. Results of two measurements furnished by water master for Boise River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	183	262	270	270	302	370	594	2,590	3,880	1,140	310	188
2	183	278	260	250	302	360	579	2,430	3,730	1,080	303	188
3	180	295	250	250	300	350	610	2,270	3,450	975	303	198
4	183	299	300	260	300	340	681	2,270	3,250	942	290	198
5	186	302	290	268	302	320	720	2,430	3,320	910	284	195
6	186	302	270	265	302	300	661	2,760	3,590	975	265	188
7	189	302	270	265	349	310	675	2,940	3,660	910	245	178
8	192	299	270	292	338	330	998	2,880	3,660	827	234	178
9	206	299	260	265	299	313	1,200	2,820	3,660	785	234	181
10	197	295	250	295	288	331	1,200	2,880	3,450	731	231	183
11	183	282	250	292	320	349	1,240	2,760	3,120	684	231	185
12	177	278	270	280	353	368	1,420	2,640	3,120	650	231	185
13	186	275	310	290	361	384	1,660	2,480	3,000	611	231	185
14	203	275	320	280	353	475	1,980	2,320	2,820	579	231	188
15	209	271	320	290	340	553	2,430	2,220	2,640	558	226	192
16	212	268	310	290	310	518	2,820	2,270	2,380	523	223	192
17	215	268	290	290	310	489	2,320	2,700	2,130	499	226	195
18	218	306	288	280	338	503	2,020	2,590	1,980	475	226	195
19	218	349	295	280	380	480	2,070	2,430	1,940	466	226	198
20	218	324	331	270	350	484	2,480	2,430	1,980	461	228	198
21	227	295	342	260	380	503	2,940	2,640	1,850	448	226	200
22	265	278	338	260	390	475	2,820	3,120	1,600	426	223	200
23	282	288	316	280	390	467	2,430	3,590	1,800	413	218	200
24	313	265	302	300	370	452	2,020	4,030	1,720	409	205	198
25	372	280	306	330	350	466	1,840	4,030	1,560	396	198	202
26	331	280	295	330	350	499	1,980	3,730	1,440	388	198	202
27	302	275	302	340	370	466	2,380	3,660	1,360	372	195	200
28	288	275	299	340	390	466	2,480	3,520	1,320	353	195	200
29	278	270	268	340	-	523	2,540	3,380	1,290	342	192	202
30	271	270	299	320	-	621	2,590	3,380	1,250	338	190	202
31	265	-	288	310	-	615	-	3,860	-	328	190	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	7,118	372	177	230	0.211	0.24	14,120
November	8,625	349	262	288	.264	.29	17,110
December	9,029	342	250	291	.267	.31	17,910
Calendar year 1934	190,270	2,000	113	521	.478	6.50	377,400
January	8,992	340	250	290	.266	.31	17,840
February	9,517	390	288	340	.312	.32	18,880
March	13,480	621	300	435	.399	.46	26,740
April	52,398	2,820	579	1,747	1.60	1.78	103,900
May	89,850	4,030	2,220	2,898	2.66	3.07	178,200
June	76,150	3,880	1,250	2,538	2.33	2.60	151,000
July	18,994	1,140	328	613	.562	.65	37,670
August	7,208	310	190	233	.214	.25	14,300
September	5,794	202	178	193	.177	.20	11,490
Water year 1934-35	307,155	4,030	177	842	.772	10.48	609,200

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 1935.

Extremes.- Maximum stage during year, 4,951.68 feet May 17; minimum recorded stage, 4,928.50 feet July 20.
1924-35: 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1									50.60	43.48		
2									50.50	43.04		
3									50.30	42.64		
4									50.14	42.24		
5									50.02	41.60		
6									49.90	41.26		
7									49.70	40.90		
8									49.54	40.40		
9									49.32	39.90		
10									49.12	39.20		
11								51.40	45.92	38.72		
12								-	48.70	37.96	29.58	
13								51.55	48.54	37.40		29.26
14								51.62	48.30	36.66		
15								51.60	48.06	35.84		
16								51.58	47.78	34.90		
17								51.68	47.58	33.80		
18								51.66	47.36	32.16		
19							48.14	51.62	47.03	29.40		
20	29.34							51.56	46.64	28.50		
21								51.50	46.50			
22								51.39	46.30			
23								51.34	46.02			
24								51.26	45.70			
25								51.14	45.40			
26								51.00	45.04			
27								50.90	44.78			
28								50.76	44.46			
29								50.70	44.12			
30								50.60	43.78			
31								50.58	-			

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 1935, irrigation seasons only.

Extremes.- Maximum discharge during year, 60 second-feet May 31, June 8, 9, 13, 14; maximum gage height, 2.26 feet June 13, 14; canal dry except during irrigation seasons.

1917, 1924-35: Maximum discharge, 77 second-feet Apr. 27-30, May 1, 3, 9, 1924; no flow except during irrigation seasons.

Remarks.- Records good. Discharge estimated June 20, 26, 30. Result of measurement shown for Apr. 19. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1								0	59	59		
2								0	59	58		
3								0	59	57		
4								0	59	57		
5								0	59	57		
6								0	59	57		
7								0	59	58		
8								0	60	58		
9								0	60	57		
10								0	59	56		
11								3	59	57		
12								5	59	57		
13								5	59	57		
14								17	60	56		
15								25	59	55		
16								32	59	53		
17								36	59	51		
18								39	59	43		
19							0.26	42	56	18		
20								43	58	4		
21								45	59	0		
22								46	59	0		
23								48	58	0		
24								49	58	0		
25								51	57	0		
26								52	57	0		
27								52	58	0		
28								54	58	0		
29								55	57	0		
30								57	58	0		
31								60	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	0	0	0	0	0
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	3,718	61	0	10.2	7,370
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	816	60	0	26.3	1,620
June	1,760	60	57	58.7	3,490
July	1,025	59	0	33.1	2,030
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	3,601	60	0	9.9	7,140

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. Datum of gage lowered 0.26 foot Aug. 3, 1935.

Drainage area.- 426 square miles.

Records available.- October 1914 to September 1935 (discharge measurements only prior to December 1915).

Average discharge.- 19 years (1916-35), 284 second-feet.

Extremes.- Maximum discharge observed during year, 2,050 second-feet Apr. 16 (gage height, 3.70 feet); minimum, 16 second-feet Aug. 30, Sept. 2-10, 12-19, 21, 22; minimum gage height, 0.22 foot, former datum, July 31 and Aug. 1.

1915-35: Maximum discharge observed, 4,250 second-feet (estimated) Mar. 19, 1932; maximum gage height, 6.3 feet Apr. 11, 1916; minimum discharge, 7.9 second-feet Aug. 13-15, 17, 18, 1924; minimum gage height, -0.04 foot, Aug. 16, 18, 19, 1934.

Remarks.- Records fair. Discharge estimated Jan. 8, 21-25, Mar. 3, 16, 30, July 6. No important diversions above station. Gage-height record furnished by board of control for Boise project. Seven discharge measurements furnished by water master for Boise River and board of control.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29	71	96	59	98	144	478	915	698	115	29	18
2	27	90	73	54	99	167	455	875	578	127	31	16
3	29	80	65	45	99	180	432	765	550	119	32	16
4	29	101	92	58	96	193	500	765	500	103	30	16
5	29	109	78	92	119	180	838	800	478	98	29	16
6	29	111	82	89	156	156	730	675	478	107	29	16
7	30	109	80	98	156	193	765	875	500	99	27	16
8	40	101	73	120	127	180	1,400	800	478	83	24	16
9	34	96	64	105	109	156	1,210	765	455	80	22	16
10	34	90	48	94	103	156	1,300	765	388	78	21	16
11	35	82	37	89	90	180	1,210	765	347	75	18	16
12	34	78	40	96	85	167	1,500	698	347	71	20	16
13	33	76	47	89	87	193	1,400	635	327	60	24	16
14	37	71	85	96	78	327	1,500	605	308	56	22	16
15	37	65	107	98	73	410	1,500	605	272	58	25	16
16	43	68	80	98	47	367	1,930	605	254	56	28	16
17	45	65	66	99	76	347	1,500	800	238	60	29	16
18	41	75	71	98	98	308	1,400	698	222	80	30	16
19	41	115	66	85	107	289	1,210	635	222	89	29	16
20	42	119	109	83	99	289	1,400	635	206	89	29	17
21	49	109	144	80	103	289	1,400	665	208	70	29	16
22	54	101	156	85	101	254	1,400	730	193	59	27	16
23	58	103	138	90	103	254	1,300	730	180	46	25	20
24	96	101	134	95	101	254	1,120	765	156	39	25	28
25	127	105	127	100	94	272	1,040	730	127	35	21	30
26	123	98	119	105	107	327	1,040	665	125	35	20	30
27	109	105	119	92	129	289	1,080	635	117	32	19	29
28	98	99	105	107	144	308	1,040	605	117	34	19	27
29	90	98	82	105	-	347	955	605	115	36	18	26
30	83	87	98	98	-	550	995	578	125	32	16	25
31	78	-	73	105	-	500	-	635	-	29	18	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	1,663	127	27	53.6	0.126	0.15	3,300
November	2,780	119	65	92.7	.218	.24	5,510
December	2,754	156	37	88.8	.208	.24	5,460
Calendar year 1934	53,912	1,040	9	148	.347	4.72	106,900
January	2,807	120	45	90.5	.212	.24	5,570
February	2,884	156	47	103	.242	.25	5,720
March	8,226	550	144	265	.622	.72	16,320
April	34,028	1,930	432	1,134	2.66	2.97	67,490
May	22,224	915	578	717	1.68	1.94	44,080
June	9,311	698	115	310	.728	.81	18,470
July	2,150	127	29	69.4	.163	.19	4,260
August	765	32	16	24.7	.058	.07	1,520
September	572	30	16	19.1	.045	.05	1,130
Water year 1934-35	90,164	1,930	16	247	.580	7.87	178,800

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 1935.

Extremes.- Maximum contents during year, 177,800 acre-feet Apr. 23 (gage height, 30.07 feet); minimum, 6,089 acre-feet Oct. 25.
1917-35: 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 the 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7,159	7,039	41,540	77,100	73,670	98,720	140,300	177,700	146,600	120,400	65,730	24,700
2	7,139	7,225	42,980	76,770	74,980	99,680	142,600	177,600	146,000	118,500	64,360	24,030
3	7,033	7,370	44,130	76,570	76,570	101,500	145,300	177,400	145,800	116,200	63,620	23,190
4	6,989	7,549	45,190	76,300	77,900	103,200	148,200	177,000	145,700	114,100	61,900	22,470
5	6,936	7,766	46,370	76,040	79,110	104,800	151,000	176,600	145,600	112,500	61,050	21,680
6	6,917	7,931	47,610	76,040	80,590	106,400	153,900	176,100	145,300	110,300	59,720	20,900
7	6,910	8,083	48,980	76,040	81,820	107,900	156,200	175,200	144,500	108,100	58,460	20,050
8	6,893	8,225	50,370	76,040	83,740	109,600	158,600	174,000	143,800	106,400	57,100	19,190
9	6,893	8,343	51,500	76,040	85,610	111,500	162,100	172,600	143,000	104,900	55,800	18,410
10	6,812	8,472	52,350	75,900	87,000	113,000	164,100	171,100	142,300	103,200	54,290	17,670
11	6,735	8,567	53,030	75,770	88,410	114,700	165,800	169,400	141,900	100,600	52,630	17,140
12	6,660	8,709	53,780	75,640	89,320	115,800	167,000	167,700	141,200	98,720	51,220	16,810
13	6,626	8,902	54,350	75,640	90,170	115,700	169,200	166,600	141,200	96,520	49,760	16,280
14	6,506	9,357	54,930	75,510	90,890	115,400	170,800	165,200	140,900	95,060	48,110	15,810
15	6,506	10,880	56,100	75,370	91,740	115,100	172,800	163,800	140,700	93,400	46,150	15,310
16	6,455	12,560	57,270	75,370	92,320	114,900	174,000	162,600	140,700	91,600	44,390	14,920
17	6,412	15,120	58,460	75,240	92,890	114,600	175,200	161,500	140,700	89,750	43,120	14,480
18	6,343	17,470	59,660	75,110	93,250	114,300	176,300	160,300	141,200	87,700	41,680	14,080
19	6,294	19,280	60,680	75,110	93,610	114,500	176,200	159,100	141,300	85,680	40,300	13,840
20	6,341	21,480	61,480	75,040	93,970	115,100	176,300	158,200	140,800	84,010	38,840	13,570
21	6,223	23,160	63,000	74,980	94,480	116,200	176,800	157,500	140,600	81,950	37,490	13,230
22	6,158	25,360	64,240	74,910	94,840	117,700	177,400	156,600	140,300	80,120	36,070	13,120
23	6,140	27,480	65,610	74,580	95,500	119,300	177,800	155,500	138,500	78,440	34,630	12,870
24	6,121	29,230	67,240	74,450	96,010	121,300	177,800	154,300	136,500	76,700	33,050	12,550
25	6,069	31,030	68,950	74,260	96,520	123,300	177,700	153,100	134,800	75,240	31,940	12,310
26	6,163	32,980	70,680	74,060	97,030	125,700	177,700	152,200	132,900	73,860	30,840	12,020
27	6,297	34,740	72,360	73,860	97,400	128,000	177,000	151,000	130,800	72,490	29,850	11,790
28	6,411	36,670	74,120	73,660	97,980	130,500	177,200	150,000	128,100	71,070	28,680	11,560
29	6,527	38,390	75,770	73,470	-	132,700	177,200	148,900	125,900	69,660	27,680	11,100
30	6,763	39,870	77,100	73,400	-	135,200	177,700	147,900	122,900	68,510	26,550	10,680
31	6,900	-	77,430	73,270	-	137,700	-	147,100	-	67,300	25,500	-

Note.- Contents on Sept. 30, 1934, was 7,198 acre-feet.

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 1935. June to December 1920 and April to September 1921 at station 7 miles upstream.

Extremes.- Maximum discharge during year, 900 second-feet Apr. 17 (gage height, 4.77 feet); no flow Oct. 1-11, Aug. 8 to Sept. 30.
1920-21, 1923, 1926-35: Maximum discharge, 3,800 second-feet Mar. 19, 1932 (gage height, 8.17 feet); no flow at times.

Remarks.- Records good except those estimated because of ice, Dec. 1-3, 15-17, 19, 25, 26, Dec. 28 to Jan. 4, Jan. 12 to Feb. 26, which are poor. Several small diversions above station. Records furnished by State engineer.

Rating tables, water year 1934-35 except periods of ice effect
(gage height, in feet, and discharge, in second-feet)
(Shifting-control method used May 29 to July 15)

Table for Oct. 1 to Apr. 16

0.8	0	2.0	47	4.5	755
1.0	.4	2.5	110	5.0	1,060
1.2	2.4	3.0	210	6.0	1,810
1.4	7.5	3.5	350	7.0	2,670
1.7	23	4.0	530	8.0	3,600

Table for Apr. 17 to Sept. 30

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	6.0	1,610
1.4	7.0	3.5	350	7.0	2,670
1.7	20	4.0	530	8.0	3,600

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	20	53	52		83	399	264	90	6.5	0.3	
2	0	17	50	51		84	360	247	76	6.5	.2	
3	0	18	54	50		84	368	224	68	6.0	.1	
4	0	20	64	58		74	410	199	60	6.0	.1	
5	0	28	56	70		66	466	190	50	5.8	.1	
6	0	36	49	80		60	438	156	37	6.0	.1	
7	0	52	65	91		69	341	168	32	6.5	.1	
8	0	49	61	90	55	79	682	175	30	6.5	0	
9	0	48	58	80		74	705	164	27	7.0	0	
10	0	51	52	83		68	526	162	27	10	0	
11	2.3	52	52	72		61	469	154	28	9.1	0	
12	4.3	51	52			161	483	148	29	7.7	0	
13	3.2	49	56			151	452	138	21	7.0	0	
14	2.6	49	65			483	430	137	21	6.2	0	
15	3.0	49	65			290	469	101	23	4.3	0	
16	3.2	48	59	50		186	705	105	22	5.2	0	
17	3.2	49	55			165	870	112	23	3.0	0	
18	3.7	49	61			147	660	109	22	2.6	0	
19	3.4	52	70			132	550	102	19	2.3	0	
20	3.2	54	76			123	436	96	21	2.1	0	
21	5.1	55	79		70	112	480	90	18	2.1	0	
22	6.3	56	87			94	498	94	12	1.6	0	
23	7.8	55	94			88	466	104	9.1	1.5	0	
24	12	57	83			97	458	119	9.1	1.6	0	
25	14	57	80			100	378	124	8.4	1.5	0	
26	22	55	75	60		175	334	119	7.4	1.8	0	
27	30	59	70		78	132	306	114	7.0	1.5	0	
28	25	59	67		80	132	290	128	6.3	1.1	0	
29	22	56	60			302	293	117	6.2	.8	0	
30	22	55	58		-	530	287	121	6.8	.6	0	
31	20	-	56		-	458	-	117	-	.4	0	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	218.3	30	0	7.04	433
November	1,405	59	17	46.8	2,790
December	1,980	94	49	63.9	3,930
Calendar year 1934	12,386.7	126	0	33.9	24,560
January	1,887	91	-	60.9	3,740
February	1,753	-	-	62.6	3,480
March	4,860	530	60	157	9,640
April	14,059	870	287	469	27,890
May	4,396	264	90	142	8,720
June	816.8	90	6.2	27.2	1,620
July	131.6	10	.4	4.25	261
August	1.0	.3	0	.03	2
September	0	0	0	0	0
Water year 1934-35	31,509.7	870	0	86.3	62,510

Warmsprings Reservoir near Riverside, Oreg.

Location.- Tape gage, lat. 43°35', long. 118°12', in SE¼ sec. 8, T. 23 S., R. 37 E., on Malheur River 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 1935.

Extremes.- Maximum contents during year, 53,850 acre-feet May 5, 6 (gage height, 40.74 feet); no storage Aug. 26 to Sept. 30.

1920-35: Maximum contents, 177,900 acre-feet May 19, 1922 (gage height, 75.75 feet; temporary storage above 74.00 feet); no storage Sept. 18 to Nov. 1, 1929, Aug. 26 to Sept. 30, 1935.

Remarks.- Records good. 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, mainly on north side of Malheur River, between Namorf and mouth of Willow Creek just below Vale. In 1930 capacity of reservoir increased by flash boards from 175,000 to 190,000 acre-feet. Records furnished by State engineer.

Monthly gage height and contents, water year October 1934 to September 1935

Date	Gage height (feet)	Contents (acre-feet)	Change in contents during month (acre-feet)
Sept.30	0.37	11	----
Oct. 31	2.73	240	+229
Nov. 30	10.20	2,640	+2,600
Dec. 31	14.79	6,790	+3,950
Jan. 31	17.88	10,260	+3,470
Feb. 28	20.76	13,890	+3,630
Mar. 31	25.99	21,580	+7,690
Apr. 30	----	*52,800	+31,220
May 31	35.24	40,100	-12,700
June 30	24.64	19,420	-20,680
July 31	12.04	4,240	-15,180
Aug. 31	----	*0	-4,240
Sept.30	----	*0	0
Water year 1934-35			-11

*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 1935. 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.- 23 years (1909-16, 1919-35), 168 second-feet.

Extremes.- Maximum discharge during year, 472 second-feet May 21-23 (gage height, 4.81 feet); practically no flow Oct. 16 to May 1, July 23-25, Sept. 15-30.
1906-7, 1908-10, 1914-17, 1919-35: Maximum discharge, 5,490 second-feet Mar. 2, 1910; practically no flow at times.

Remarks.- Records good. Discharge estimated Aug. 21. Diversions for irrigation above station. Flow completely regulated since November 1919 by operation of gates in Warmsprings Dam. Records furnished by State engineer.

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

2.8	2.0	3.4	28	4.3	250
3.0	7.0	3.7	68	4.6	379
3.2	14	4.0	143	4.9	520

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2.0							0	425	402	109	1.5
2	2.0							21	402	379	109	1.5
3	2.0							51	242	379	109	1.5
4	1.5							51	356	379	109	1.5
5	1.5							83	334	379	109	1.0
6	1.5							180	312	379	123	1.0
7	1.5							194	312	379	169	1.0
8	2.0							312	312	379	169	1.0
9	2.0							402	312	334	169	.5
10	2.0							379	334	262	169	.5
11	2.0							379	356	262	169	.5
12	2.0							379	379	262	150	.5
13	1.5							379	379	262	128	.5
14	2.0							402	379	262	89	.5
15	3.0							402	334	262	51	0
16	0							425	334	262	26	0
17	0							448	334	250	20	0
18	0							448	334	220	13	0
19	0							425	334	194	9.5	0
20	0							425	334	122	6.5	0
21	0							448	356	2.0	6.0	0
22	0							472	356	.5	5.0	0
23	0							472	356	0	3.0	0
24	0							283	356	0	3.0	0
25	0							180	356	0	3.0	0
26	0							180	402	27	3.0	0
27	0							173	448	109	2.5	0
28	0							156	448	109	2.0	0
29	0							258	425	109	2.0	0
30	0							448	402	109	2.0	0
31	0							448	-	109	2.0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	28.5	3.0	0	0.92	57
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	41,013.0	402	0	112	81,350
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	9,303	472	0	300	18,450
June	10,743	448	242	358	21,310
July	6,583.5	402	0	212	13,060
August	2,041.5	169	2.0	65.9	4,050
September	13.0	1.5	0	.43	26
Water year 1934-35	28,712.5	472	0	78.7	56,950

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 1935, incomplete prior to May 1926.

Average discharge.- 12 years (1922-25, 1926-35), 213 second-feet.

Extremes.- Maximum discharge during year, 702 second-feet May 24 (gage height, 2.65 feet); minimum discharge, 9.5 second-feet Jan. 19 (gage height, 0.35 foot).

1919-35: Maximum discharge, 8,100 second-feet Feb. 5, 1925; 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 fair except those estimated because of lack of gage-height record, Oct. 14-21, Sept. 10-30, and those estimated because of ice, December to March, which are poor. No large diversions upstream except at Namorf by the Vale-Oregon Canal, completed by the U. S. Bureau of Reclamation in 1930. Flow regulated to a large extent by storage in Warmsprings Reservoir. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	20	48	17	73		52	138	34	269	214	53	22
2	19	45	17	71		50	109	26	252	233	51	21
3	19	42	19	70	75	52	94	24	190	210	43	20
4	19	45	36	88		54	92	24	168	290	36	19
5	18	48	43	95		50	99	26	140	221	38	20
6	18	54	32	105	78	40	165	36	121	200	46	20
7	21	54	34	101	78	47	162	34	101	252	50	19
8	22	54	59	96	78	51	221	80	86	221	51	19
9	20	58	66	94	82	47	440	180	123	221	65	19
10	20	59	69	85	74	47	470	252	96	207	71	
11	20	59	70	78	72	47	264	210	90	156	74	
12	19	57	68	75	70	43	204	218	118	123	75	
13	19	54	80	73	81	77	177	214	159	140	77	
14	19	53	92	76	83	207	162	204	168	130	66	
15	19	53	88	80	83	229	151	233	174	133	54	
16	20	54	85	110	82	177	174	240	138	138	38	
17	20	57	82	107	78	148	237	256	133	156	34	
18	20	62	80	100	75	112	273	260	133	143	22	
19	20	65	90	56	75	98	196	260	128	138	17	
20	21	65	96	43	80	88	156	229	114	125	19	15
21	21	68	98		82	75	148	233	148	103	17	
22	21	68	99		101	65	146	248	151	80	15	
23	24	68	103		92	59	146	290	153	53	19	
24	40	66	101		90	52	116	528	143	36	20	
25	45	68	94		78	48	112	516	153	28	19	
26	44	69	90	70	58	48	103	317	171	22	20	
27	47	71	86		62	57	66	269	204	19	22	
28	52	74	85		57	66	50	237	232	17	27	
29	50	77	77		-	61	42	193	256	19	29	
30	48	64	77		-	121	36	225	269	46	27	
31	50	-	77		-	190	-	290	-	53	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	835	52	18	26.9	1,660
November	1,779	77	42	59.3	3,530
December	2,210	103	17	71.3	4,380
Calendar year 1934	34,699	254	17	95.1	68,840
January	2,446	110	-	78.9	4,850
February	2,164	101	57	77.3	4,290
March	2,558	229	40	82.5	5,070
April	4,949	470	36	165	9,820
May	6,386	528	24	206	12,670
June	4,831	282	86	161	9,580
July	4,127	290	17	133	8,190
August	1,219	77	15	39.3	2,420
September	494	22	-	16.5	980
Water year 1934-35	33,998	528	-	93.1	67,440

North Fork of Malheur River near Beulah, Oreg.

Location.- Water-stage recorder, lat. 43°53'50", long 118°9'10", in SE¼ sec. 22, T. 19 S., R. 37 E., 1 mile below Beulah and 14 miles north of Juntura.

Drainage area.- 420 square miles.

Records available.- June 1926 to September 1935. March 1909 to June 1912, November 1913 to July 1914 at station 6 miles downstream.

Extremes.- Maximum discharge during year, 512 second-feet Apr. 16 (gage height, 3.57 feet); minimum (regulated by construction of dam above), about 1.5 second-feet Sept. 2 (gage height, about 0.05 foot).
1909-12, 1913-14, 1926-35: Maximum discharge, 5,910 second-feet Mar. 20, 1910; minimum, that of Sept. 2, 1935.

Remarks.- Records good except estimated discharges for periods December to June, which are poor. 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	15	36	33	*30		50	120	142	108	39	24	21
2	13	37	34	24		51	*105	134	103	38	24	17
3	13	41	37	25		53	*95	125	97	37	24	24
4	14	43	45	38		53	*95	121	89	37	25	23
5	14	45	33	56		45	*115	113	83	34	24	24
6	15	43	30	54		35	*190	121	75	35	22	24
7	20	41	38	55		45	*330	124	70	37	25	24
8	23	41	43	53		49	*350	128	70	37	26	24
9	20	39	37	40		42	*290	128	70	36	26	24
10	*20	39	34	39	*45	35	*250	129	66	34	25	24
11	19	38	34	*38		47	*230	129	64	34	*25	24
12	19	38	32	*36		54	*210	134	61	34	*25	24
13	20	38	39	41		76	*205	126	*60	33	*26	*24
14	23	39	51	46		98	*200	124	*58	33	*26	*24
15	24	40	48			85	*250	122	*56	32	*26	*25
16	23	39	38			63	370	118	*55	32	26	*25
17	23	39	*36			66	292	117	*53	31	*26	25
18	24	39	38			62	236	118	*52	29	*26	26
19	24	42	44		48	60	212	112	*50	29	*26	27
20	26	43	55		74	62	220	108	*48	29	*26	27
21	31	43	63		54	56	238	107	47	29	*26	27
22	34	41	60		51	49	224	113	43	29	26	27
23	32	41	54	*40	49	56	212	142	42	28	25	26
24	36	41	50		44	58	172	137	42	27	23	26
25	47	42	46		41	69	154	133	41	27	23	25
26	38	43	45		37	*80	148	125	40	27	22	25
27	34	43	47		48	*88	150	120	37	25	21	26
28	36	42	38		52	*115	151	114	37	24	18	26
29	34	41	34		-	*210	151	112	37	26	21	27
30	32	40	*34		-	*170	150	117	38	26	26	26
31	33	-	*32		-	*140	-	114	-	24	24	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	779	47	13	25.1	1,550
November	1,217	45	36	40.6	2,410
December	1,282	63	30	41.4	2,540
Calendar year 1934	13,704	77	13	37.5	27,170
January	1,255	-	24	40.5	2,490
February	1,308	-	-	46.7	2,590
March	2,222	210	35	71.7	4,410
April	6,115	370	95	204	12,130
May	3,807	142	107	123	7,550
June	1,792	108	37	59.7	3,550
July	972	39	24	31.4	1,930
August	758	26	18	24.5	1,500
September	741	27	17	24.7	1,470
Water year 1934-35	22,248	370	13	61.0	44,120

*Estimated.

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 1935.

Average discharge.- 11 years (1924-35), 1,150 second-feet.

Extremes.- Maximum discharge during year, 3,970 second-feet June 9 (gage height, 4.68 feet); minimum, 207 second-feet Sept. 27 (gage height, 1.16 feet).
1921-35: Maximum discharge observed, 10,600 second-feet May 26, 1928 (gage height, 8.0 feet); minimum, that of Sept. 27, 1935.

Remarks.- Records excellent except those estimated Oct. 1-8, Dec. 11, Jan. 1-3, 19-21. 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 1934-35 (gage height, in feet, and discharge, in second-feet)

1.2	225	2.0	690	2.8	1,390	3.6	2,360	4.4	3,500
1.4	320	2.2	845	3.0	1,610	3.8	2,630	4.6	3,810
1.6	430	2.4	1,010	3.2	1,850	4.0	2,910	4.7	3,970
1.8	555	2.6	1,195	3.4	2,100	4.2	3,200		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	340	442	402	300	392	392	454	1,850	3,580	1,390	968	1,440
2	335	472	336	275	402	392	454	1,730	3,420	1,290	968	1,440
3	450	472	358	300	408	392	454	1,670	3,280	1,240	959	1,440
4	1,160	472	419	375	419	392	484	1,670	3,200	1,240	942	1,390
5	480	478	353	442	448	386	542	1,910	3,350	1,240	805	1,440
6	350	536	348	424	442	331	522	2,100	3,580	1,340	781	1,440
7	340	510	386	414	430	397	522	2,160	3,650	1,240	765	1,440
8	330	490	358	414	424	392	648	2,160	3,730	1,100	1,030	1,440
9	326	478	348	392	414	364	742	2,230	3,810	1,070	1,240	1,440
10	315	460	331	375	392	331	758	2,230	3,500	1,050	1,240	1,440
11	310	442	335	375	380	370	821	2,230	3,280	1,150	1,390	1,440
12	310	436	353	370	402	370	968	2,160	3,280	1,240	1,390	1,390
13	305	430	386	356	408	397	1,090	2,100	3,280	1,200	1,390	1,440
14	315	419	460	353	392	490	1,240	1,970	3,050	1,200	1,390	1,670
15	320	419	430	364	353	510	1,500	1,970	2,910	1,200	1,390	1,670
16	336	414	375	364	331	484	1,850	2,040	2,560	1,290	1,390	1,670
17	331	414	386	364	358	472	1,500	2,360	2,300	1,290	1,390	1,560
18	331	472	380	348	424	472	1,390	2,300	2,160	1,670	1,390	1,290
19	353	490	386	325	397	442	1,340	2,160	2,160	1,560	1,390	1,290
20	336	454	408	275	392	460	1,670	2,230	2,300	1,200	1,340	1,290
21	408	436	392	250	402	454	2,230	2,490	2,160	1,150	1,340	1,290
22	466	424	419	353	402	436	2,160	2,910	2,100	1,150	1,390	1,290
23	436	424	386	419	408	419	1,790	3,420	2,160	1,150	1,340	1,290
24	510	414	397	419	386	419	1,500	3,730	2,040	1,100	1,240	1,100
25	516	414	392	386	370	424	1,440	3,650	1,790	1,090	1,240	375
26	476	424	380	370	356	442	1,500	3,500	1,670	1,090	1,290	336
27	442	419	392	358	408	397	1,730	3,420	1,610	1,060	1,440	320
28	436	402	386	364	402	424	1,730	3,280	1,610	1,030	1,440	320
29	424	408	364	364	-	436	1,790	3,200	1,670	1,010	1,440	320
30	414	386	392	375	-	490	1,910	3,050	1,560	1,000	1,440	320
31	419	-	336	386	-	472	-	3,350	-	984	1,440	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	12,642	1,180	305	408	25,080
November	13,351	536	386	445	26,480
December	11,774	460	331	380	23,350
Calendar year 1934	373,286	3,080	305	1,023	740,400
January	11,251	442	250	363	22,320
February	11,144	448	331	398	22,100
March	13,049	510	331	421	25,880
April	36,729	2,230	454	1,224	72,850
May	77,230	3,730	1,670	2,491	153,200
June	80,750	3,810	1,560	2,692	160,200
July	37,014	1,670	984	1,194	73,420
August	38,588	1,440	765	1,245	76,540
September	36,021	1,670	320	1,201	71,450
Water year 1934-35	379,543	3,810	250	1,040	752,900

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 1 1/2 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 1935.

Average discharge.- 14 years, 1,520 second-feet.

Extremes.- Maximum discharge during year, 5,340 second-feet May 24 (gage height, 6.05 feet); minimum, 314 second-feet Jan. 21 (gage height, 0.11 foot).
1921-35: Maximum discharge, 13,800 second-feet May 17, 1927 (gage height, 10.6 feet, from high-water marks on staff); minimum, 282 second-feet Nov. 22, 1931. Slightly lower discharge may have occurred following unusually cold periods during winters.

Remarks.- Records good. Discharge estimated Sept. 25-29. 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 1934-35 (gage height, in feet, and discharge, in second-feet)

0.0	270	0.8	630	1.6	1,100	3.0	2,180	5.0	4,190
.2	350	1.0	735	1.8	1,240	3.5	2,640	5.5	4,740
.4	435	1.2	850	2.0	1,380	4.0	3,140	6.0	5,340
.6	530	1.4	970	2.5	1,760	4.5	3,640		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	412	580	535	412	570	575	762	2,940	4,740	1,720	1,070	1,520
2	408	640	480	374	585	575	735	2,840	4,630	1,600	1,070	1,520
3	404	635	466	448	575	585	735	2,740	4,300	1,490	1,040	1,520
4	1,100	645	585	530	585	600	820	2,740	4,190	1,450	1,040	1,490
5	762	650	495	635	640	585	1,000	3,040	4,300	1,450	910	1,490
6	417	713	480	620	640	535	970	3,340	4,520	1,490	850	1,520
7	412	686	530	605	630	580	940	3,440	4,630	1,450	850	1,490
8	448	660	485	615	620	595	1,420	3,440	4,630	1,340	1,040	1,520
9	430	645	476	595	605	555	1,600	3,440	4,740	1,280	1,280	1,520
10	422	625	453	560	570	515	1,640	3,440	4,410	1,200	1,310	1,520
11	399	600	471	560	560	550	1,680	3,440	4,080	1,200	1,490	1,490
12	399	590	505	555	575	555	1,920	3,240	4,080	1,340	1,490	1,490
13	399	575	560	535	585	590	2,140	3,140	4,080	1,340	1,450	1,490
14	404	570	635	520	575	762	2,360	3,040	3,750	1,310	1,450	1,720
15	412	565	615	535	515	820	2,840	3,040	3,540	1,280	1,450	1,760
16	440	560	550	540	453	762	3,540	3,040	3,240	1,340	1,490	1,760
17	440	560	520	535	495	735	2,840	3,540	2,840	1,380	1,490	1,680
18	444	625	535	515	610	730	2,540	3,340	2,740	1,760	1,450	1,380
19	462	686	530	510	580	696	2,450	3,240	2,640	1,720	1,450	1,340
20	462	635	570	390	565	702	2,940	3,340	2,740	1,380	1,450	1,340
21	515	600	560	358	575	691	3,970	3,640	2,540	1,280	1,450	1,340
22	645	585	585	495	585	665	3,860	4,190	2,450	1,280	1,450	1,340
23	620	585	555	625	595	645	3,240	4,860	2,540	1,240	1,450	1,340
24	696	575	555	605	570	650	2,740	5,220	2,360	1,200	1,240	1,280
25	735	580	550	565	530	686	2,540	5,100	2,180	1,200	1,340	525
26	675	580	535	545	530	724	2,640	4,860	2,000	1,170	1,380	425
27	610	570	550	530	580	645	2,940	4,740	1,920	1,170	1,520	400
28	595	550	545	535	595	630	2,940	4,520	1,920	1,140	1,520	400
29	585	550	510	530	-	702	2,940	4,410	1,960	1,100	1,520	400
30	560	530	540	545	-	820	3,140	4,300	1,920	1,100	1,520	399
31	550	-	500	560	-	820	-	4,630	-	1,070	1,520	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	16,272	1,100	399	525	32,280
November	18,150	713	530	605	36,000
December	16,461	635	453	531	32,650
Calendar year 1934	484,148	5,100	399	1,326	960,300
January	16,482	635	358	532	32,690
February	16,093	640	453	575	31,920
March	20,330	820	515	656	40,320
April	66,822	3,970	735	2,227	132,500
May	114,270	5,220	2,740	3,686	226,700
June	100,610	4,740	1,920	3,354	199,600
July	41,470	1,760	1,070	1,338	82,250
August	41,130	1,520	850	1,327	81,580
September	38,409	1,760	399	1,280	76,180
Water year 1934-35	506,499	5,220	358	1,388	1,005,000

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 1 1/2 miles north of Horseshoe Bend.

Drainage area.- 2,230 square miles.

Records available.- February 1906 to September 1916, July 1919 to September 1935. Prior to November 1912 at old site 2 miles upstream, in sec. 2.

Average discharge.- 24 years (1907-15, 1919-35), 3,000 second-feet.

Extremes.- Maximum discharge during year, 10,200 second-feet May 27 (gage height, 6.16 feet); minimum, 482 second-feet Sept. 28 (gage height, 0.61 foot).
1906-16, 1919-35: Maximum discharge, 22,100 second-feet June 9, 1921 (gage height, 9.57 feet); minimum, 365 second-feet Dec. 18, 1924 (gage height, 0.30 foot).

Remarks.- Records excellent. Discharge interpolated Apr. 10-12, July 7, Aug. 2-4. Flow regulated by storage in Payette Lake, Lake Fork, and Deadwood Reservoirs. Several irrigation diversions from tributaries above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	518	871	788	680	932	932	1,560	5,400	9,600	2,310	1,790	1,670
2	512	959	688	623	941	941	1,530	5,200	9,330	2,100	1,720	1,670
3	506	986	602	672	941	959	1,570	5,000	9,060	1,980	1,660	1,650
4	1,030	1,010	854	837	932	986	1,700	4,800	8,800	1,910	1,590	1,620
5	1,090	1,010	780	977	986	959	1,940	5,000	8,540	1,850	1,520	1,600
6	530	1,110	725	977	995	923	2,000	5,400	8,540	1,910	1,470	1,640
7	518	1,100	756	941	986	923	2,070	5,710	8,540	1,820	1,380	1,590
8	550	1,050	725	950	986	986	2,800	5,810	8,540	1,720	1,460	1,590
9	556	995	702	914	968	914	3,540	5,920	8,540	1,680	1,640	1,590
10	550	968	665	880	941	871	4,020	6,020	8,040	1,630	1,630	1,590
11	530	923	630	880	914	905	4,500	6,020	7,800	1,640	1,730	1,580
12	512	896	637	880	914	932	4,990	6,020	7,560	1,790	1,730	1,560
13	506	888	702	862	941	986	5,470	5,810	7,330	1,730	1,730	1,550
14	512	880	862	846	932	1,210	5,470	5,710	6,660	1,680	1,730	1,720
15	530	854	880	862	862	1,330	6,120	5,710	6,230	1,650	1,730	1,790
16	550	854	788	871	796	1,320	7,800	5,810	5,600	1,720	1,730	1,790
17	569	846	756	854	820	1,300	6,660	6,440	5,200	1,710	1,730	1,730
18	569	914	764	820	950	1,260	5,300	6,660	4,800	1,980	1,730	1,470
19	588	1,040	780	804	932	1,220	4,800	6,440	4,230	2,100	1,710	1,460
20	595	1,020	837	665	914	1,220	5,300	6,230	3,770	1,700	1,710	1,420
21	644	968	837	637	932	1,210	6,660	6,660	3,590	1,710	1,700	1,420
22	837	932	828	780	950	1,170	7,330	7,330	3,240	1,710	1,700	1,410
23	888	914	837	986	959	1,130	6,440	8,290	3,160	1,730	1,680	1,410
24	986	905	846	986	941	1,120	5,600	9,330	3,070	1,710	1,620	1,400
25	1,110	914	820	950	923	1,180	5,100	9,600	2,830	1,700	1,570	740
26	1,050	914	812	914	880	1,240	5,000	9,880	2,600	1,670	1,570	530
27	941	888	846	896	941	1,130	5,300	9,880	2,450	1,700	1,720	525
28	905	837	812	896	941	1,150	5,400	9,600	2,380	1,650	1,720	505
29	862	828	764	896	-	1,250	5,400	9,330	2,450	1,600	1,710	510
30	828	796	796	896	-	1,490	5,500	9,060	2,450	1,670	1,700	510
31	828	-	740	923	-	1,560	-	9,330	-	1,670	1,680	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	21,700	1,110	506	700	43,040
November	28,070	1,110	796	936	55,680
December	23,859	880	602	770	47,320
Calendar year 1934	807,311	8,310	506	2,212	1,601,000
January	26,555	986	623	857	52,670
February	26,050	995	796	930	51,670
March	34,707	1,560	871	1,120	68,840
April	136,870	7,800	1,530	4,562	271,500
May	213,400	9,880	4,800	6,884	423,300
June	174,930	9,600	2,380	5,831	347,000
July	55,130	2,310	1,600	1,778	109,300
August	51,490	1,790	1,380	1,661	102,100
September	41,240	1,790	505	1,375	81,800
Water year 1934-35	834,001	9,880	505	2,285	1,654,000

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-eighths of a mile below Black Canyon Dam and 5 miles northeast of Emmett.

Records available.- June 1925 to September 1935.

Average discharge.- 10 years, 2,640 second-feet.

Extremes.- Maximum discharge during year, 11,700 second-feet May 27 (gage height, 9.13 feet); minimum, 24 second-feet Jan. 22 (gage height, 1.38 feet).
1925-35: 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. Diversions for irrigation above station. Flow affected at times 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.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	402	1,000	949	738	1,020	1,100	826	5,760	9,850	1,980	1,350	1,300
2	410	1,050	850	706	1,080	1,190	1,210	5,400	9,620	1,760	1,300	1,300
3	410	1,160	714	634	1,060	1,250	1,300	5,060	9,190	1,660	1,300	1,300
4	730	1,350	602	674	1,080	1,030	1,350	4,890	8,960	1,500	1,300	1,300
5	666	1,300	967	1,110	1,040	1,350	1,710	5,230	8,740	1,550	1,300	1,350
6	634	1,250	834	1,180	1,110	1,120	2,400	5,580	8,960	1,450	1,300	1,350
7	618	1,170	826	1,150	1,130	1,110	2,280	5,760	8,740	1,550	1,300	1,300
8	658	1,190	850	1,350	1,090	1,110	3,930	5,940	8,740	1,450	1,350	1,300
9	650	1,190	802	1,190	1,100	1,350	4,400	5,940	8,740	1,400	1,350	1,250
10	650	1,120	770	1,070	1,090	1,110	4,890	6,120	8,310	1,350	1,350	1,210
11	650	754	754	985	1,040	1,030	5,230	6,310	7,680	1,350	1,350	1,210
12	618	1,020	666	1,120	1,020	994	5,580	6,120	7,480	1,350	1,300	1,200
13	570	931	746	994	1,020	1,250	5,940	5,940	7,280	1,350	1,300	1,250
14	546	922	886	994	1,070	1,400	6,120	5,760	6,690	1,350	1,300	1,300
15	546	922	985	985	1,060	1,500	6,690	5,760	5,940	1,350	1,300	1,300
16	492	913	922	967	886	1,500	8,740	5,760	5,580	1,350	1,300	1,250
17	440	913	850	994	778	1,500	7,680	6,500	4,890	1,350	1,300	1,160
18	432	913	810	1,000	1,010	1,500	5,940	6,690	4,560	1,350	1,300	1,120
19	440	1,100	850	949	1,070	1,500	5,230	6,310	4,240	1,350	1,300	1,100
20	530	1,180	895	706	1,030	1,500	5,760	6,310	3,410	1,350	1,300	1,100
21	690	1,020	1,050	746	1,050	1,450	7,080	6,690	3,340	1,350	1,300	1,100
22	1,100	1,000	1,050	586	1,050	1,450	8,520	7,480	2,920	1,350	1,300	1,100
23	1,070	1,000	1,040	1,090	1,170	1,400	7,480	8,520	2,920	1,350	1,300	1,090
24	1,190	1,010	976	1,090	922	1,350	6,310	9,620	2,790	1,300	1,300	1,080
25	1,210	940	1,000	1,030	1,250	1,300	5,400	9,850	2,400	1,250	1,350	834
26	1,250	1,110	940	1,060	1,050	1,300	5,230	10,100	2,280	1,350	1,350	365
27	1,350	940	949	913	1,020	1,400	5,580	10,100	2,280	1,350	1,350	351
28	1,250	940	985	1,060	1,100	1,350	5,760	9,850	2,160	1,350	1,350	336
29	1,110	967	922	1,020	-	1,120	5,580	9,400	2,040	1,350	1,300	344
30	1,100	931	886	1,020	-	976	5,760	9,180	2,040	1,350	1,300	344
31	1,080	-	866	1,000	-	508	-	9,620	-	1,350	1,300	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	23,492	1,350	402	758	46,600
November	31,226	1,350	913	1,041	61,940
December	27,194	1,050	602	877	53,940
Calendar year 1934	774,752	8,520	329	2,123	1,536,000
January	30,111	1,350	586	971	59,720
February	29,396	1,250	778	1,050	58,310
March	38,998	1,500	508	1,258	77,350
April	149,906	8,740	826	4,997	297,300
May	217,550	10,100	4,890	7,018	431,500
June	172,760	9,850	2,040	5,759	342,700
July	43,850	1,980	1,250	1,415	86,980
August	40,750	1,350	1,300	1,315	80,830
September	31,894	1,350	336	1,063	63,260
Water year 1934-35	837,127	10,100	336	2,293	1,660,000

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Deadwood River below Deadwood Reservoir, near Lowman, Idaho

(Formerly called "Deadwood River at Beaver Creek ranger station, near Lowman, Idaho")

Location.- Staff gage, lat. 44°18', 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. Prior to June 22, 1935, water-stage recorder 600 feet upstream.

Drainage area.- 108 square miles.

Records available.- October 1926 to September 1935.

Extremes.- Maximum discharge during year, 1,180 second-feet Sept. 13, 14, 16 (gage height, 3.70 feet); practically no flow following the closing of gates at dam in October and September.

1927-35: Maximum discharge, 2,150 second-feet May 26, 1928 (gage height, 5.67 feet at former site); practically no flow after closing gates in Deadwood Dam 1933, 1934, and 1935.

Remarks.- Records good. Discharge estimated Oct. 1 to July 10, July 15, 17, 19, Aug. 4, 7, 8, 10, 23, 26, Sept. 5, 13, 16, 17, 24-30. Flow regulated since Nov. 2, 1930, by operation of gates in Deadwood Dam. October gage-height record and July to September gage readings furnished by U. S. Bureau of Reclamation.

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

0.3	55	1.1	225	1.9	500	2.7	780	3.5	1,100
.5	85	1.3	290	2.1	570	2.9	860	3.7	1,180
.7	125	1.5	360	2.3	640	3.1	940		
.9	170	1.7	430	2.5	710	3.3	1,020		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0									1	416	1,020
2	0									1	416	1,020
3	496									1	416	1,020
4	648									1	359	1,000
5	1									54	276	1,050
6	0									96	276	1,020
7	0									1	348	1,020
8	0									1	691	1,020
9	0									1	745	1,020
10	0									39	658	1,020
11	0									262	940	1,020
12	0									269	940	1,020
13	0									266	940	1,080
14	0									269	940	1,180
15	0									349	940	1,140
16	0									409	940	1,150
17	0									562	940	965
18	0									762	920	900
19	0									555	920	900
20	0									416	920	900
21	0									416	940	900
22	0									416	940	900
23	0									416	900	900
24	0									416	860	355
25	0									416	860	1
26	0									416	960	0
27	0									416	1,020	0
28	0									416	1,020	0
29	0									416	1,020	0
30	0									416	1,020	0
31	0									416	1,020	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,145	648	0	36.9	2,270
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	82,158.5	1,210	0	225	163,000
January	0	0	0	0	0
February	28	-	-	1	56
March	31	-	-	1	61
April	30	-	-	1	60
May	31	-	-	1	61
June	30	-	-	1	60
July	8,691	762	1	280	17,640
August	24,701	1,020	276	797	48,990
September	23,521	1,180	0	784	46,650
Water year 1934-35	58,408	1,180	0	160	115,800

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 2 1/2 miles west of Lowman.

Drainage area.- 201 square miles.

Records available.- August 1921 to September 1935.

Average discharge.- 14 years, 350 second-feet.

Extremes.- Maximum discharge during year, 1,270 second-feet Sept. 14, 15 (gage height, 3.36 feet); minimum recorded discharge, 38 second-feet Sept. 30 (gage height, 0.95 foot).

1921-35: Maximum discharge, 4,230 second-feet May 9, 1928 (gage height, 5.17 feet); minimum, 31 second-feet Nov. 12, 1931.

Remarks.- Records good except those for December to February, which are fair. Discharge estimated Oct. 1-3, Dec. 1 to Mar. 14, Sept. 17. Flow regulated by storage in Deadwood Reservoir.

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

0.9	33	1.7	186	2.5	560	3.3	1,200
1.1	54	1.9	252	2.7	695	3.4	1,310
1.3	87	2.1	334	2.9	840		
1.5	132	2.3	436	3.1	1,010		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	45	68				55	71	466	619	142	472	1,070
2	45	74				55	71	442	586	137	472	1,070
3	332	70				55	68	425	554	127	466	1,060
4	842	68				55	74	454	528	115	436	1,060
5	116	72				55	83	522	528	135	325	1,100
6	49	80				50	78	573	528	205	321	1,060
7	49	72				55	60	586	528	118	321	1,070
8	54	68				55	108	573	515	106	681	1,080
9	47	66				50	130	573	490	102	795	1,090
10	44	64				50	145	573	454	98	872	1,110
11	43	61				50	164	560	420	291	992	1,110
12	41	61				55	202	534	404	372	992	1,090
13	40	61				55	242	502	382	372	992	1,120
14	41	61				70	291	484	353	372	992	1,240
15	43	61				74	368	490	334	409	1,000	1,260
16	46	61				73	425	522	306	502	1,020	1,230
17	45	61				71	334	592	287	580	1,020	1,020
18	46	74				68	312	573	268	904	1,010	920
19	46	77				63	330	554	252	695	1,000	920
20	46	68				71	436	586	238	496	1,000	920
21	65	65				64	580	653	220	490	1,010	929
22	86	64				62	496	723	211	484	1,020	929
23	65	64				57	398	818	205	484	992	938
24	86	61				56	330	818	192	484	912	566
25	90	61				60	317	758	175	484	912	60
26	70	62				60	363	709	169	484	1,010	44
27	64	62				54	431	674	161	478	1,080	41
28	62	57				64	442	639	153	478	1,080	39
29	61	59				69	460	612	155	472	1,070	39
30	58	55				80	484	606	150	472	1,070	38
31	61	-				78	-	639	-	472	1,070	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	2,828	842	40	91.2	5,610
November	1,960	80	55	65.3	3,890
December	1,705	-	-	55	3,380
Calendar year 1934	131,050	1,250	-	359	259,900
January	1,550	-	-	50	3,070
February	1,540	-	-	55	3,050
March	1,889	80	50	60.9	3,750
April	8,313	580	68	277	16,490
May	18,233	818	425	588	36,160
June	10,367	619	150	346	20,560
July	11,560	904	98	373	22,930
August	26,405	1,080	321	852	52,370
September	25,223	1,260	38	841	50,030
Water year 1934-35	111,573	1,260	38	306	221,300

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 1935 (fragmentary).

Extremes.- Maximum stage recorded during year, 8.75 feet July 13; minimum, 1.31 feet Oct. 3 (by level observation).
1921-35: Maximum stage, that of 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 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 July 27, 29-31, Aug. 1-4, 7-17.

Gage height, in feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	-	-	-	-	-	-	-	-	7.00	-	5.00	-
2	-	-	-	-	3.52	-	*3.62	-	-	*7.90	4.80	-
3	*1.31	-	-	-	-	-	-	*4.85	-	-	4.50	-
4	-	-	2.78	-	-	-	-	4.96	-	-	4.40	-
5	-	-	-	3.52	-	3.58	-	-	*6.45	-	-	-
6	-	-	-	-	-	-	-	-	*6.45	-	*4.12	-
7	-	-	-	-	-	-	-	-	-	-	4.05	-
8	-	-	-	-	-	-	*3.70	-	6.50	-	4.00	-
9	-	-	-	-	-	-	-	-	-	-	3.90	-
10	-	2.00	2.89	-	-	-	-	-	-	-	3.80	-
11	-	*2.04	-	-	-	-	-	6.00	-	-	3.70	-
12	-	-	-	3.60	3.58	-	-	-	-	-	*3.60	-
13	-	*2.08	-	-	-	-	-	-	-	8.75	*3.46	-
14	-	-	-	-	-	3.60	-	*5.80	-	-	3.35	-
15	-	-	3.06	-	-	-	-	*5.84	5.80	-	3.25	-
16	-	-	-	-	-	-	-	-	-	-	3.18	-
17	-	2.19	-	-	-	-	-	-	-	-	3.10	-
18	-	-	-	-	3.58	-	-	*6.00	-	-	-	*1.62
19	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	4.14	-	-	*7.39	-	*1.62
21	-	-	-	3.62	-	-	-	-	-	-	-	1.62
22	-	-	3.28	-	-	3.60	-	-	6.60	-	-	-
23	-	-	-	-	3.52	-	-	-	-	-	-	-
24	-	-	-	-	-	-	*4.42	-	-	*6.78	2.36	-
25	-	-	-	-	-	-	*4.39	6.90	-	-	-	-
26	-	2.58	-	3.58	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	4.42	-	*7.26	6.34	-	-
28	-	-	-	-	-	-	-	-	-	-	-	1.50
29	-	-	-	-	-	-	-	-	7.50	5.85	-	-
30	-	-	-	-	-	3.68	-	-	-	5.65	-	-
31	-	-	-	-	-	-	-	-	-	5.40	-	-

*Read by engineers of U. S. Geological Survey.

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. Datum lowered 0.07 foot Oct. 2, 1934.

Drainage area.- 131 square miles.

Records available.- September 1908 to June 1917, May 1919 to September 1935.

Average discharge.- 24 years (1908-16, 1919-35), 346 second-feet.

Extremes.- Maximum discharge during year, 2,300 second-feet May 24, 25, June 1; maximum gage height, 5.81 feet May 25; practically no flow Nov. 14-27.
1908-17, 1919-35: 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. Discharge interpolated Mar. 21, 23-29, 31, Apr. 1. 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 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Oct. 1, 2, 1934)

0.8	0.4	1.6	20.2	2.4	115	3.4	455	5.0	1,550
1.0	1.8	1.8	33.0	2.6	159	3.8	665	5.4	1,910
1.2	5.2	2.0	52.0	2.8	214	4.2	915	5.8	2,300
1.4	11.4	2.2	79.0	3.0	281	4.6	1,210	6.0	2,500

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3	2	1	57	64	62	88	594	2,300	62	737	93
2	3	1	1	57	63	61	86	407	2,200	75	665	86
3	2	1	1	57	63	61	84	320	2,050	78	545	79
4	2	1	1	60	63	63	88	345	1,960	78	455	75
5	2	1	1	66	64	64	93	431	1,910	78	380	69
6	2	1	2	67	64	64	90	610	1,860	78	324	64
7	2	1	2	73	64	72	94	761	1,860	78	274	58
8	3	1	6	76	63	82	104	850	1,820	78	236	53
9	3	1	5	79	63	82	104	915	1,780	78	202	51
10	3	1	3	76	62	82	102	1,020	1,680	79	244	47
11	3	1	6	78	63	81	102	1,170	1,600	79	253	43
12	3	1	9	79	63	81	107	1,250	1,500	79	250	40
13	3	1	8	81	67	82	119	1,250	1,460	122	281	36
14	2	0	3	79	72	82	134	1,250	1,370	184	253	32
15	2	0	2	78	73	84	164	1,290	1,250	236	227	32
16	2	0	2	79	73	84	224	1,290	1,290	246	211	31
17	2	0	3	86	73	84	246	1,460	668	274	217	28
18	2	0	4	86	70	84	256	1,500	102	304	246	26
19	3	0	4	84	69	82	264	1,420	61	417	246	25
20	3	0	9	81	67	82	293	1,420	21	412	240	23
21	3	0	11	79	69	82	417	1,550	20	455	224	22
22	4	0	16	78	69	81	520	1,780	18	460	205	21
23	5	0	19	78	67	82	540	2,050	15	450	186	19
24	11	0	25	76	66	84	520	2,300	15	441	172	18
25	7	0	29	75	63	86	495	2,300	15	475	157	16
26	3	0	30	73	62	87	490	2,250	15	417	148	15
27	3	0	37	72	62	88	520	2,200	15	474	134	13
28	3	1	42	70	62	90	540	2,150	15	566	126	12
29	2	1	47	69	-	92	560	2,150	22	658	115	11
30	2	1	57	67	-	93	599	2,050	37	779	109	11
31	2	-	57	66	-	91	-	2,150	-	761	107	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	95	11	2	3.1	188
November	17	2	0	.6	34
December	443	57	1	14.3	879
Calendar year 1934	102,193	2,000	0	280	202,700
January	2,282	86	57	73.6	4,530
February	1,843	73	62	65.8	3,660
March	2,475	93	61	79.8	4,910
April	8,043	599	84	268	15,950
May	42,483	2,300	320	1,370	84,260
June	28,929	2,300	15	964	57,380
July	9,051	779	62	292	17,950
August	8,171	737	107	264	16,210
September	1,149	93	11	38.3	2,280
Water year 1934-35	104,981	2,300	0	288	208,200

Lake Fork of Payette River above reservoir near McCall, Idaho

Location.- Staff gage, lat. 44°55', long. 116°, in NW¼ sec. 8, T. 18 N., R. 4 E., three-quarters of a mile below power plant, and 5 miles east of McCall. Datum lowered 0.20 foot Sept. 19, 1935.

Records available.- May 1926 to September 1935 (irrigation seasons only).

Extremes.- Maximum discharge observed during year, 810 second-feet May 31, (gage height, 3.95 feet); minimum, 2.5 second-feet Sept. 22 (gage height, 0.12 foot, new datum).

1926-35: Maximum discharge observed, 2,520 second-feet June 9, 1933 (gage height, about 7.7 feet, from high-water mark); minimum discharge, that of Sept. 22, 1935.

Remarks.- Records good except those estimated Apr. 1-4, 6-24, 26, 27, Sept. 13, 14, 16, 17, 19-27. No record Nov. 14 to Mar. 31. Some diurnal fluctuations at low stages by operation of power plant 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	13	34					30	236	670	180	31	15
2	13	40					30	216	600	163	31	15
3	13	40					30	236	600	132	30	15
4	13	42					30	247	540	140	28	15
5	13	42					34	306	600	132	27	15
6	13	40					30	358	670	117	27	15
7	13	40					35	386	600	117	25	15
8	13	40					40	386	540	103	24	15
9	13	40					45	414	510	96	23	15
10	13	39					50	414	480	90	22	15
11	13	40					55	414	510	78	20	14
12	13	39					65	386	480	78	18	14
13	13	47					85	386	450	74	18	10
14	13	-					110	386	395	67	18	9
15	13	-					190	414	395	67	18	14
16	13	-					185	444	334	65	18	10
17	13	-					145	536	300	65	18	6
18	13	-					145	444	289	57	18	14
19	16	-					140	358	370	55	18	6
20	16	-					205	504	300	54	18	10
21	19	-					400	700	256	52	18	11
22	37	-					250	666	267	52	17	6
23	34	-					185	770	256	48	17	11
24	34	-					185	740	216	48	17	11
25	33	-					170	670	198	46	17	6
26	33	-					185	670	180	43	17	6
27	31	-					235	705	180	41	17	11
28	31	-					236	670	172	37	16	15
29	30	-					258	600	322	36	15	15
30	30	-					270	670	198	34	15	15
31	34	-					-	810	-	33	15	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	612	37	13	19.7	1,210
November 1-13	523	47	34	40.2	1,040
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	4,053	400	30	135	8,040
May	15,142	810	216	488	30,030
June	11,878	670	172	396	23,560
July	2,400	180	33	77.4	4,760
August	631	31	15	20.4	1,250
September	364	15	6	12.1	722
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 1935.

Extremes.- Maximum contents during year, 16,780 acre-feet June 23, 24 (gage height, 5,116.9 feet); probably no storage during winter.
1926-35: 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	163							-	15,390	16,010	9,311	1,873
2	-							-	-	15,850	8,973	1,824
3	125							-	15,080	15,770	8,703	1,776
4	-							-	15,080	15,700	8,500	1,715
5	-							-	15,080	15,620	8,230	1,666
6	-							-	15,080	15,540	7,903	1,605
7	-							2,595	15,230	15,390	7,588	1,545
8	-							-	15,160	15,230	7,273	1,497
9	43							-	-	15,080	7,021	1,444
10	-							3,372	-	15,000	6,652	1,391
11	-							4,266	14,920	14,850	6,360	1,306
12	-							-	14,770	14,620	6,070	1,253
13	19							5.954	15,390	14,460	5,838	1,211
14	-							-	15,930	14,150	5,510	1,179
15	-							7,966	16,240	13,850	5,235	1,158
16	0							8,703	16,320	13,690	4,864	1,137
17								-	-	13,390	4,547	1,105
18								14,150	16,550	13,230	4,359	1,073
19								-	16,550	12,930	4,173	1,052
20								12,620	16,630	12,620	3,894	1,021
21								-	16,700	12,320	3,615	990
22								14,310	16,700	12,090	3,453	969
23								15,080	16,780	11,960	3,250	940
24								15,390	16,780	11,640	3,008	911
25								15,390	-	11,420	2,847	892
26								-	16,320	10,970	2,665	853
27								15,080	16,080	10,670	2,385	804
28								15,080	15,540	10,530	2,203	775
29								-	15,930	10,240	2,119	755
30								15,080	16,010	9,882	2,044	726
31								-	-	9,666	1,959	-

Note.- Contents on Sept. 30, 1934, was 1,285 acre-feet.

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 1935 (irrigation seasons only).

Extremes.- Maximum discharge during year, 115 second-feet June 27 (gage height, 4.61 feet); no flow June 8-11, and during nonirrigation season.
1926-35: Maximum discharge, 126 second-feet May 27 to June 8, 1931 (gage height, 4.80 feet); 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., and is used for irrigation of 6,800 acres of land near McCall and Norwood, in project of Lake Irrigation District. Gage-height record furnished by water master for Lake Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9							0	36	111	114	21
2	9							0	39	114	114	21
3	8							0	39	114	114	21
4	8							0	48	114	114	21
5	7							0	66	114	114	21
6	7							0	74	114	114	21
7	7							0	80	114	114	21
8	6							0	43	114	114	21
9	6							0	0	114	114	21
10	6							0	0	114	114	21
11	6							0	72	112	114	21
12	6							0	105	111	114	16
13	6							0	107	111	114	6
14	6							0	110	111	114	6
15	6							0	111	111	114	6
16	3							0	111	112	114	7
17	0							0	111	114	110	8
18	0							0	111	114	101	8
19	0							0	111	114	100	9
20	0							0	111	114	92	8
21	0							0	111	114	79	8
22	0							0	111	113	79	8
23	0							7	111	89	79	8
24	0							13	112	114	79	8
25	0							16	114	114	79	8
26	0							18	114	114	79	8
27	0							18	115	114	79	8
28	0							27	114	114	63	8
29	0							31	114	114	15	8
30	0							31	114	114	19	8
31	0							31	-	114	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	106	9	0	3.4	210
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year					
January	0	0	0	0	0
February	0	0	0	0	0
March	0	0	0	0	0
April	0	0	0	0	0
May	192	31	0	6.2	381
June	2,615	115	0	87.2	5,190
July	3,489	114	89	113	6,920
August	2,898	114	15	93.4	5,750
September	385	21	6	12.8	764
Water year 1934-35	9,685	115	0	26.5	19,220

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 1935.

Average discharge.- 14 years (1921-35), 769 second-feet.

Extremes.- Maximum discharge during year, 4,340 second-feet Apr. 8 (gage height, 5.22 feet); minimum discharge, 7 second-feet (estimated) Sept. 1-15.
1920-35: Maximum discharge, about 14,000 second-feet Mar. 19, 1932 (gage height, about 10.8 feet, determined from high-water marks); minimum (estimated) 5 second-feet Aug. 11 to Sept. 10, 1931.

Remarks.- Records good except those estimated for Dec. 5-22, Jan. 1-7, 19-31, Feb. 1-28, Aug. 22 to Sept. 30, which are fair. Numerous diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	18	95	292	300		472	1,290	2,100	1,620	204	23	7
2	18	106	257	275		601	1,130	1,960	1,490	182	24	7
3	18	138	253	275		744	1,110	1,760	1,330	165	25	7
4	19	164	275	300		824	1,380	1,760	1,190	143	27	7
5	18	193	250	500		744	1,900	1,900	1,110	133	32	7
6	16	186	225	700		657	1,600	2,030	1,070	130	25	7
7	18	168	225	800		657	1,490	2,100	1,040	133	25	7
8	19	158	250	1,320		713	3,550	2,100	934	136	23	7
9	19	158	225	1,160		643	3,800	2,100	832	116	18	7
10	18	144	200	768		580	2,830	2,030	768	86	17	7
11	18	138	225	622		580	2,530	1,960	692	74	32	7
12	18	135	250	550		615	2,530	1,900	643	62	58	7
13	16	123	275	520		1,200	2,600	1,760	678	54	58	7
14	18	123	300	490		2,600	2,600	1,660	636	44	54	7
15	22	123	300	466		2,600	2,760	1,650	574	42	50	7
16	23	123	275	444		2,310	3,630	1,660	532	44	48	8
17	23	126	300	438		2,240	3,630	1,900	496	50	52	8
18	25	158	275	422		1,830	2,830	1,960	438	50	58	8
19	37	297	300	375		1,830	2,530	1,760	385	37	60	8
20	37	376	350	300		1,700	2,380	1,760	360	39	58	8
21	39	297	400	300		1,360	2,910	1,900	341	39	60	8
22	43	270	500	350		1,330	3,590	2,100	318	36	55	8
23	57	241	472	400		1,170	3,070	2,380	283	34	50	8
24	81	232	395	400		1,250	2,460	2,310	258	36	35	8
25	101	241	366	375		1,830	2,030	2,170	242	32	25	8
26	135	288	357	350		2,100	1,960	1,960	219	31	20	8
27	123	297	361	350		1,510	2,100	1,830	200	31	15	8
28	103	288	366	350		1,340	2,100	1,760	172	32	12	8
29	93	279	361	350		1,390	2,100	1,620	162	27	10	8
30	93	275	366	350		1,600	2,170	1,560	208	23	9	8
31	93	-	347	350		1,470	-	1,620	-	24	8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,379	135	16	44.5	2,740
November	5,940	376	95	198	11,780
December	9,593	500	200	309	19,030
Calendar year 1934	171,528	3,500	-	470	340,200
January	14,950	1,320	275	482	29,650
February	11,200	-	-	400	22,210
March	40,490	2,600	472	1,306	80,310
April	72,390	3,800	1,110	2,413	143,600
May	59,020	2,380	1,560	1,904	117,100
June	19,221	1,620	162	641	38,120
July	2,269	204	23	73.2	4,500
August	1,066	60	8	34.4	2,110
September	225	8	7	7.5	446
Water year 1934-35	237,743	3,800	7	651	471,600

East Fork of Weiser River near Council, Idaho

Location.- Water-stage recorder, lat. 44°46', long. 116°16', in sec. 31, T. 17 N., R. 2 E., near Squaw Creek ranger station, 9 miles northeast of Council, Idaho.

Drainage area.- 2.04 square miles.

Records available.- September 1932 to September 1935 (discontinued).

Extremes.- Maximum discharge, 49 second-feet June 6 (gage height, 3.38 feet); minimum recorded discharge, 0.2 second-foot Apr. 12, result of discharge measurement.
1932-35: Maximum discharge, 75 second-feet June 9, 1933; maximum gage height, 4.11 feet June 9, 1933 (ice affected); minimum recorded discharge, that of Apr. 12, 1935.

Remarks.- Records fair except those for April, which are poor. Discharge estimated Nov. 25-30, Apr. 1 to May 9, July 15-31, Aug. 1-18, 20-31, Sept. 1-7, 9-30. Stream not regulated. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.6	1.3						3.0	41	9.0	1.5	0.7
2	.8	.8						3.0	38	8.0	1.5	.7
3	.6	4.2						3.0	37	7.2	1.4	.7
4	.6	4.5						3.5	37	6.8	1.3	.6
5	.6	3.4						4.0	39	6.7	1.2	.6
6	.6	.8						4.5	41	6.3	1.2	.6
7	.6	.6						5.0	41	6.0	1.1	.6
8	.6	.7						6.0	41	5.5	1.1	.6
9	.6	.7						6.0	38	5.0	1.0	.6
10	.6	.7						7.2	36	4.7	1.0	.6
11	.6	.7						6.5	35	4.5	1.0	.6
12	.6	.7						7.0	34	4.0	.9	.6
13	.6	.7						7.6	31	4.0	.9	.6
14	.6	.7						8.4	28	4.0	.9	.6
15	.6	.7						8.6	26	3.9	.9	.6
16	.6	.7						9.5	23	3.8	.9	.6
17	.6	.7						9.8	21	3.5	.8	.6
18	.6	.7						7.6	19	3.3	.8	.6
19	.6	3.4						7.8	19	3.2	.8	.6
20	.6	3.5						11	18	3.0	.8	.6
21	1.0	2.8						16	17	2.8	.8	.6
22	.7	1.9						22	17	2.7	.8	.6
23	1.9	.6						27	16	2.6	.8	.6
24	5.0	.6						28	14	2.4	.7	.5
25	2.0	.6						27	13	2.3	.7	.5
26	.6	.6						27	12	2.2	.7	.5
27	.6	.6						27	12	2.1	.7	.5
28	.6	.6						28	11	2.0	.7	.5
29	.6	.6						28	13	1.9	.7	.5
30	.7	.6						33	10	1.8	.7	.5
31	.7	-						41	-	1.7	.7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	26.4	5.0	0.6	0.85	52
November	39.7	4.5	.6	1.32	79
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April	21.0	-	-	0.70	42
May	433.0	41	3.0	14.0	859
June	778	41	10	25.9	1,540
July	126.9	9.0	1.7	4.09	252
August	29.0	1.5	.7	.94	58
September	17.6	.7	.5	.59	35
Water year					

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 1935.

Extremes.- Maximum stage recorded during year, 24.89 feet June 2; minimum, 7.68 feet Mar. 31.
1924, 1926-35: 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; insertion 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. Capacity of reservoir is about 11,000 acre-feet. Gage-height record furnished in part by Mesa Orchards Co. and water master for Weiser River.

Gage height, in feet, water year October 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	21.73	-	-	-	-
2							-	22.17	24.89	-	-	-
3							-	22.57	24.87	24.49	-	-
4							-	22.92	-	-	-	13.88
5							-	23.13	-	24.52	-	-
6							-	23.37	-	-	20.00	-
7							8.07	23.49	24.77	-	-	-
8							-	23.55	-	-	19.60	13.58
9							-	23.57	-	24.47	-	-
10							8.53	23.57	24.69	-	-	-
11		7.94					-	23.57	-	-	-	-
12							-	23.57	-	24.27	-	-
13							-	23.73	-	24.20	17.85	-
14							10.26	23.83	24.61	-	-	-
15							-	23.92	-	-	-	-
16							-	24.04	-	23.72	-	12.93
17							12.89	24.19	24.55	-	-	-
18							-	24.33	-	-	-	-
19							-	24.33	-	-	15.75	-
20							14.88	24.33	-	-	-	-
21							-	24.33	24.47	-	15.03	-
22							-	24.33	-	-	-	-
23							-	24.57	24.47	-	-	-
24							17.98	24.75	-	22.42	-	-
25							-	24.83	-	22.41	14.38	-
26							-	-	-	-	-	-
27							19.54	24.87	-	-	-	-
28							-	24.85	-	-	-	-
29							-	-	-	-	-	-
30							-	24.85	-	-	-	-
31						7.68	-	-	-	21.17	-	-

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 1935.

Extremes.- Maximum discharge during year, 149 second-feet May 10 (gage height, 2.43 feet); minimum discharge, 3 second-feet Apr. 21-27; minimum gage height, 1.01 feet Apr. 23.

1910-14, 1920-21, 1924-35: Maximum discharge, 688 second-feet May 17, 18, 1921 (gage height, 4.29 feet): practically no flow at times when gates in dam were closed.

Remarks.- Records good except those below 10 second-feet, which are fair. Discharge estimated Oct. 31 to Nov. 10, Dec. 12 to Jan. 11, Jan. 13 to Mar. 30, July 6-9. Result of discharge measurement shown for Jan. 12. No diversions between gage and reservoir; practically entire flow diverted below station during irrigation season. Flow regulated by head gates at dam above. Gage-height record furnished in part by Mesa Orchard Co. and water master for Weiser River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10		9				7	4	44	8	65	14
2	10		9				7	5	42	7	65	14
3	10		9				7	17	41	7	65	14
4	10		9				7	44	39	7	65	16
5	10		9				8	84	37	7	65	20
		10										
6	10		9	9			8	118	35	7	65	20
7	10		9				8	133	34	7	65	20
8	10		9		9		8	139	31	7	88	20
9	10		9				8	145	29	13	115	20
10	10		8				8	147	27	27	113	20
11	10	10	8			10	8	141	26	27	113	20
12	10	10		9			8	104	24	27	111	20
13	10	10					9	65	23	56	111	20
14	10	10					5	77	22	54	109	20
15	10	10					4	86	21	54	108	20
16	10	10					4	96	20	56	106	25
17	10	10					4	111	19	61	106	32
18	10	10					4	118	18	61	104	31
19	10	10					4	122	16	62	104	31
20	10	10					4	122	15	62	102	31
21	10	10	9				3	122	10	62	83	31
22	10	10		9	10		3	84	7	62	46	31
23	10	10				9	3	54	7	64	47	31
24	10	10					3	66	7	64	47	31
25	10	10					3	74	7	65	34	30
26	10	9				7	3	80	7	65	14	30
27	10	9					3	77	7	65	14	29
28	10	9					4	71	7	65	14	29
29	10	9			-		4	71	8	65	14	29
30	10	9			-		4	54	8	65	14	29
31	10	-			-	7	-	44	-	65	14	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	310	10	10	10.0	615
November	295	-	-	9.8	585
December	277	-	-	8.9	549
Calendar year 1934	9,987	147	5	27.4	19,820
January	279	-	-	9.0	553
February	265	-	-	9.5	526
March	285	-	-	9.2	565
April	163	9	3	5.4	323
May	2,675	147	4	86.3	5,310
June	638	44	7	21.3	1,270
July	1,324	65	7	42.7	2,630
August	2,186	115	14	70.5	4,340
September	728	32	14	24.3	1,440
Water year 1934-35	9,425	147	3	25.8	18,690

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, 1 1/2 miles northeast of Mesa, and 3 miles below head gates.

Records available.- 1924, 1928, 1930-35, irrigation seasons only.

Extremes.- Maximum discharge during period, 36 second-feet June 8-10; maximum gage height, 2.66 feet June 10. No flow at times.
1924, 1928, 1930-35: Maximum discharge, that of June 8-10, 1935; no flow during nonirrigation season.

Remarks.- Records good. Discharge estimated Apr. 11, 23, May 8, June 23, July 7, 11, 19, 21; interpolated Apr. 14, 21, May 12, 19, 26, June 2, 9, 16, July 4, 14, 28, Aug. 7, 11, 18, Sept. 1, 8, 22, 29. 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 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 Mesa Orchards Co. and water master for Weiser River.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							-	0	27	27	24	14
2							-	0	28	27	24	14
3							-	0	28	28	23	13
4							-	0	27	28	22	13
5							-	0	32	27	23	12
6							-	0	33	27	22	12
7							-	0	35	23	21	13
8							-	3	36	23	21	13
9							-	13	36	24	21	13
10							-	7	36	28	19	13
11				0			5	8	35	25	20	12
12		3					6	8	33	33	20	12
13							4	9	31	32	20	12
14							4	10	31	32	18	11
15							5	13	31	33	18	15
16							5	14	30	33	19	14
17							5	14	29	32	19	14
18							5	9	28	32	19	14
19							5	9	28	25	19	14
20							4	9	28	29	19	13
21							4	18	27	23	18	13
22							5	17	28	29	16	13
23							2	15	24	28	17	13
24							0	18	28	27	16	13
25							0	17	28	26	17	14
26							0	20	30	27	16	14
27							0	23	31	26	16	14
28							0	22	30	25	15	14
29							0	26	30	24	16	14
30							0	22	30	24	15	13
31							-	27	-	25	15	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March	-	-	-	-	-
April 11-30	59	6	0	3.0	117
May	351	27	0	11.3	696
June	908	36	24	30.3	1,800
July	852	33	23	27.5	1,690
August	588	24	15	19.0	1,170
September	396	15	11	13.2	785
The period	-	-	-	-	6,260

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 1935.

Extremes.- Maximum stage during year, 47.35 feet May 6; minimum, 29.3 feet Oct. 7, 20, 27, Nov. 3.
1924-35: 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 1934 to September 1935

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29.65	-	29.7	-	33.75	-	-	-	-	-	42.55	37.6
2	-	-	-	-	-	35.9	-	-	46.9	46.02	-	37.45
3	29.5	29.3	-	-	-	-	-	-	46.85	-	42.2	37.15
4	29.45	-	-	-	-	-	-	-	46.65	45.95	42.1	36.8
5	29.4	-	-	32.0	-	-	-	47.2	46.8	-	41.9	36.75
6	29.4	-	-	-	-	-	43.2	47.28	46.6	-	41.8	-
7	29.3	-	-	-	-	-	-	47.2	46.7	45.85	41.7	36.35
8	-	-	29.75	-	-	-	-	47.2	46.7	45.8	41.5	36.2
9	-	-	-	-	33.9	37.1	-	47.2	46.7	45.7	41.4	36.0
10	-	29.4	-	-	-	-	-	47.2	46.65	45.6	-	35.9
11	-	-	-	-	-	-	-	47.25	46.6	45.5	-	35.7
12	-	29.5	-	33.2	-	-	-	47.25	46.6	45.4	40.8	-
13	-	-	-	-	-	-	45.6	47.2	-	-	40.7	35.4
14	-	-	-	-	-	-	-	47.2	46.52	45.3	40.5	-
15	-	-	29.8	-	-	-	-	-	46.5	45.25	40.25	35.1
16	-	-	-	-	34.1	40.0	-	47.2	-	-	40.15	34.9
17	-	29.45	-	-	-	-	-	-	46.5	45.0	40.1	34.75
18	-	-	-	-	-	-	-	47.2	46.5	-	-	34.65
19	-	-	-	33.6	-	-	46.4	47.2	-	44.5	39.6	34.5
20	29.3	-	-	-	-	-	46.5	-	46.45	44.4	-	-
21	-	-	-	-	-	-	-	47.15	46.4	44.25	39.3	34.2
22	-	-	29.8	-	-	-	-	47.15	-	-	39.15	-
23	-	-	-	-	34.8	41.4	-	47.0	46.35	43.7	-	34.0
24	-	29.5	-	-	-	-	-	-	-	43.55	-	33.9
25	-	-	-	-	-	-	-	46.95	46.2	43.4	38.7	33.7
26	-	-	-	33.7	-	-	-	47.1	-	43.25	38.6	-
27	29.3	-	-	-	-	41.9	47.2	-	46.15	43.1	38.5	33.5
28	-	-	-	-	-	-	-	-	-	-	-	33.4
29	-	-	30.3	-	-	42.1	-	47.0	-	42.9	38.1	33.35
30	-	-	-	-	-	42.1	-	47.0	-	42.8	37.8	33.2
31	-	-	-	-	-	-	-	-	-	42.7	37.7	-

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 1935.

Average discharge.- 14 years (1912-15, 1924-35), 62.1 second-feet.

Extremes.- Maximum discharge during year, 249 second-feet July 18, 19 (gage height, 2.10 feet); practically no flow Oct. 7 to May 2.
1910-16, 1924-35: 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 except those below 10 second-feet, which are fair. Flow regulated by storage in Crane Creek Reservoir. No large diversions above station. Gage-height record furnished by administration board of Crane Creek Reservoir.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	29							0	14	14	122	143
2	29							3	14	14	122	145
3	29							6	15	14	122	132
4	29							6	15	14	122	124
5	29							6	15	14	122	124
6	28							6	15	14	122	122
7	13							6	15	24	122	122
8	0							12	15	74	122	122
9	0							26	15	74	130	115
10	0							26	15	74	163	102
11	0							13	15	74	161	102
12	0							5	15	74	161	102
13	0							4	15	74	154	102
14	0							4	15	81	118	102
15	0							4	15	95	118	102
16	0							4	15	125	118	97
17	0							3	15	127	118	85
18	0							3	15	152	118	84
19	0							9	15	226	117	84
20	0							14	15	145	117	84
21	0							14	14	191	117	82
22	0							14	14	206	117	82
23	0							14	14	202	117	82
24	0							14	14	173	117	69
25	0							14	14	137	117	62
26	0							14	14	102	130	62
27	0							14	14	102	143	63
28	0							14	14	102	143	61
29	0							14	14	102	143	58
30	0							14	14	102	143	61
31	0							14	-	109	143	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	186	29	0	6.0	369
November	0	0	0	0	0
December	0	0	0	0	0
Calendar year 1934	15,019	211	0	41.1	29,790
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	314	26	0	10.1	623
June	438	15	14	14.6	869
July	3,031	226	14	97.8	6,010
August	3,999	163	117	129	7,930
September	2,877	145	58	95.9	5,710
Water year 1934-35	10,845	226	0	29.7	21,510

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 1935.

Average discharge.- 14 years (1921-35), 65.9 second-feet.

Extremes.- Maximum discharge during year, 440 second-feet Mar. 13 (gage height, 4.65 feet); minimum, 1 second-foot May 2-8, 13-19; minimum gage height, 1.60 feet May 7, 8.

1920-35: Maximum discharge, about 2,350 second-feet about Feb. 7, 1925 (gage height, 6.80 feet, from well-defined high-water marks on gage); minimum, 0.2 second-foot May 26, 1931; minimum gage height, 1.30 feet Jan. 21, 1922.

Remarks.- Records good. Discharge estimated Oct. 7-12, Nov. 11-15, Dec. 21, Jan. 22-25, Apr. 28-30, May 1-3, June 21, 25-28, July 3-5, 7-11. Flow is regulated by storage in Crane Creek Reservoir. Several small ditches divert water for irrigation above station.

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

1.6	0.8	2.4	31	3.2	106	4.0	240
1.8	3.6	2.6	45	3.4	133	4.2	290
2.0	10.2	2.8	62	3.6	164	4.4	350
2.2	19.5	3.0	83	3.8	200	4.6	420

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	30	4	5	5	4	19	6	2	4	6	109	129
2	30	4	5	5	4	42	6	1	5	6	110	126
3	29	4	4	5	4	45	4	1	6	8	111	119
4	27	4	4	5	4	39	15	1	6	8	111	109
5	27	4	5	5	4	19	76	1	6	8	111	107
6	27	4	4	5	4	14	21	1	7	9	111	107
7	20	4	4	40	4	14	14	1	8	9	111	109
8	2	4	4	68	4	15	151	1	8	55	111	107
9	2	4	4	27	4	14	46	8	9	55	111	107
10	2	4	4	13	5	15	16	10	8	55	134	92
11	2	4	4	10	5	16	11	9	8	55	146	91
12	2	4	4	8	5	26	9	2	10	55	148	91
13	2	4	4	8	5	155	7	1	11	58	145	91
14	2	4	4	8	5	170	7	1	10	59	118	90
15	2	4	4	6	4	98	7	1	9	60	109	91
16	2	4	4	6	4	57	18	1	8	91	106	91
17	2	4	4	6	4	51	18	1	9	101	106	78
18	2	5	4	6	5	30	9	1	11	106	105	74
19	2	6	4	5	5	35	6	1	11	218	102	73
20	2	6	4	4	5	39	5	2	11	119	101	73
21	2	5	22	6	5	22	5	3	10	168	98	72
22	2	5	41	5	8	21	5	3	10	193	99	71
23	3	5	21	5	16	18	8	3	10	193	99	71
24	5	5	14	5	14	21	6	3	11	166	99	66
25	4	5	10	5	12	65	5	3	6	132	99	57
26	4	5	8	4	9	44	3	3	6	90	107	54
27	4	5	8	4	9	21	4	3	6	85	123	55
28	4	5	9	4	8	14	3	3	6	86	126	55
29	4	5	7	4	-	11	3	3	4	87	127	52
30	4	5	7	4	-	12	2	3	4	90	129	52
31	4	-	6	4	-	8	-	3	-	91	130	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	256	30	2	8.3	508
November	135	6	4	4.5	268
December	236	41	4	7.6	468
Calendar year 1934	14,153	178	1	38.8	28,070
January	295	68	4	9.5	585
February	169	16	4	6.0	335
March	1,170	170	8	37.7	2,320
April	496	151	2	16.5	984
May	80	10	1	2.6	159
June	238	11	4	7.9	472
July	2,522	218	6	81.4	5,000
August	3,552	148	98	115	7,050
September	2,558	129	52	85.3	5,070
Water year 1934-35	11,707	218	1	32.1	23,220

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., 3 1/4 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 1935.

Extremes.- Maximum discharge during year, 210 second-feet June 24 (gage height, 3.08 feet); practically no flow during winter.

1920-35: 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 Jan. 11 result of engineer's estimate. 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., 3 1/4 miles above gage and furnishes water for irrigation of about 7,000 acres included in projects of Weiser and Weiser Bench irrigation districts near Weiser. Gage-height record furnished by Weiser Irrigation District.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1							84	183	204	183	108	124
2							101	180	201	173	110	120
3							112	165	200	159	108	119
4							114	192	197	135	109	109
5							116	192	196	119	112	108
6							114	196	195	110	112	107
7							114	200	192	108	112	105
8							119	204	187	124	110	105
9							119	204	184	145	105	103
10							117	205	190	124	117	98
11				0.2			120	201	196	105	138	94
12							122	199	199	94	174	86
13							122	196	202	88	183	86
14							123	192	202	82	161	84
15							126	188	206	89	147	82
16		13					142	185	209	104	145	82
17		13					150	202	208	122	145	75
18		13					160	204	205	125	147	72
19		13					170	200	205	168	148	72
20		12					177	200	207	138	147	70
21		12					182	200	208	135	146	70
22		12					186	203	208	166	140	70
23							190	204	200	175	136	69
24							192	204	191	160	126	67
25							188	203	204	145	113	54
26						0	188	201	188	111	104	54
27						0	188	200	173	94	119	55
28						0	186	200	154	96	122	57
29						0	184	200	142	98	123	56
30						41	187	200	163	98	126	54
31						75	-	196	-	95	124	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	-	-	-	-	-
Calendar year					
January	-	-	-	-	-
February	-	-	-	-	-
March 26-31	116	75	0	19.3	230
April	4,393	192	84	146	8,710
May	6,099	205	165	197	12,100
June	5,816	209	142	194	11,540
July	3,868	183	82	125	7,670
August	4,017	183	104	130	7,970
September	2,507	124	54	83.6	4,970
The period	-	-	-	-	53,190

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Burnt River near Hereford, Oreg.

Location.- Water-stage recorder, lat. 44°30'20", long. 118°10'50", in SE¼ sec. 21, T. 2 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 1935.

Extremes.- Maximum discharge during year, 625 second-feet Apr. 16 (gage height, 5.19 feet); minimum, 1.6 second-feet Aug. 31 (gage height, 0.92 foot).
1915-16, 1928-35: Maximum discharge, 1,100 second-feet Apr. 13, 1932 (gage height, 4.75 feet at site and datum used prior to June 29, 1932); minimum, that of Aug. 31, 1935.

Remarks.- Records fair except those for Apr. 21-30 and those estimated because of lack of gage-height record, Nov. 28 to Jan. 16, or because of ice, Feb. 25, 26, which are poor. 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.

Rating tables, water year 1934-35 except period of ice effect (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Apr. 21 to May 6)

Table for Oct. 1 to Apr. 15

1.3	5.9	2.5	75
1.5	10.0	2.7	100
1.7	16	3.0	144
2.0	28	3.5	230
2.2	42	4.0	330

Table for Apr. 16 to Sept. 30

1.0	2.0	2.2	42	4.0	330
1.3	5.6	2.5	66	4.5	450
1.5	9.8	2.7	e7	5.0	575
1.7	16	3.0	131	5.3	650
2.0	30	3.5	230		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	10	12			35	43	179	194	39	14	5	4
2	10	13			33	44	160	186	36	12	6	3
3	11	15			32	45	174	156	28	9	6	3
4	8	16	12		35	45	203	135	24	9	6	3
5	9	16			44	39	236	122	17	11	7	2
6	9	15			42	36	198	112	11	14	7	3
7	9	13			40	38	191	99	10	17	7	3
8	9	12			40	43	223	91	14	14	9	3
9	9	11		32	38	32	238	85	8	11	8	3
10	8	10			34	44	216	78	12	9	6	3
11	8	11			36	44	232	73	16	6	6	2
12	8	9			36	49	244	64	20	8	6	5
13	8	6			38	68	270	59	21	8	6	5
14	8	5			38	106	290	56	22	6	6	4
15	8	6			36	118	350	52	24	5	6	6
16	8	10			34	120	575	54	21	7	7	7
17	9	12		38	34	108	388	69	17	5	7	11
18	9	10		36	36	99	310	73	15	5	7	6
19	9	12	28	28	36	94	270	61	15	6	7	7
20	10	11		24	95	39	270	50	16	8	6	8
21	11	11		25	36	82	300	44	15	6	6	10
22	12	11		32	40	70	270	46	9	5	6	11
23	12	10		39	40	82	250	44	9	5	6	12
24	18	8		46	36	71	218	35	9	6	6	13
25	18	10		48	34	96	202	30	10	7	7	15
26	10	10		41	36	128	200	30	10	7	5	16
27	11	12		38	40	104	204	22	9	6	5	18
28	11	12		36	40	129	200	22	10	6	5	18
29	13	12		35	-	244	192	35	10	7	4	18
30	12	12		36	-	300	194	62	11	7	5	17
31	13	-		36	-	246	-	54	-	5	4	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	318	18	8	10.3	631
November	333	16	5	11.1	660
December	772	-	-	24.9	1,530
Calendar year 1934	10,365	122	5	28.4	20,560
January	1,050	-	-	33.9	2,080
February	1,035	44	32	37.0	2,050
March	2,862	300	32	92.3	5,680
April	7,447	575	160	248	14,770
May	2,293	194	22	74.0	4,550
June	488	39	8	16.3	968
July	251	17	5	8.1	498
August	190	9	4	6.1	377
September	239	18	2	8.0	474
Water year 1934-35	17,278	575	2	47.3	34,270

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 1935. September 1928 to September 1932 at station 20 miles downstream, at Huntington.

Extremes.- Maximum discharge during year, 504 second-feet Apr. 18 (gage height, 4.72 feet); no flow at times in October, November, May to September.
1931-35: Maximum discharge, 1,150 second-feet Apr. 14, 1932 (gage height, 6.20 feet); no flow at times.

Remarks.- Records fair except those estimated, which are poor. Stage-discharge relation affected by ice Dec. 29 to Jan. 3, Jan. 18-20. Diversions for irrigation above station; no regulation. Records furnished by State engineer.

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

1.3	0.1	2.3	36	3.6	200
1.5	1.7	2.5	51	4.0	290
1.7	6.0	2.7	70	4.5	438
1.9	14	3.0	106	5.0	610
2.1	24	3.3	149		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1.9	0	2.4	*22		44	195	100	0.5	0.3	0	0
2	1.6	0	2.1	*22		40	204	87	1.0	.8	0	0
3	2.1	0	3.8	*23		43	163	74	.7	.9	.1	0
4	2.1	0	5.0	25		41	143	58	.3	.5	.2	0
5	2.2	0	2.8	32		*36	138	39	.2	.4	.2	0
6	2.6	0	3.5	32		*38	146	23	.2	.6	.1	0
7	1.2	.2	13	37	*41	*42	162	10	.3	.6	.1	0
8	.1	.4	13			44	152	5.5	.4	.7	.1	0
9	0	.2	14			35	144	10	.2	.6	.1	0
10	0	.3	16			35	165	13	.2	.4	.1	0
11	0	.4	21	*40		45	175	6.4	.2	.2	0	0
12	.1	.4	20			49	163	3.0		.1	0	0
13	.2	.4	23			52	168	1.5		.1	0	0
14	1.4	.4	27			56	175	.2		.1	0	0
15	7.4	.4	25		46	67	208	.9		0	0	0
16	8.4	.6	24	40	*44	78	238	.8		0	0	0
17	3.1	1.6	29	39	*40	81	270	0	*.1	0	0	0
18	.3	2.4	28		40	85	471	.1		.3	0	0
19	.8	2.6	31		42	79	406	0		2.1	0	0
20	1.6	1.0	32		44	83	298	.1		1.7	0	0
21	7.8	.1	34		45	74	235	.1		1.6	0	0
22	2.3	.1	38		48	72	220	.2		.8	0	0
23	1.3	.7	44		51	66	235	.2	0	.8	.1	.1
24	5.2	1.5	49		49	62	206	.1	0	0	.1	.1
25	3.0	1.6	43	*40	40	64	182	.1	0	0	0	.1
26	.1	1.5	44		39	61	157	.2	0	.1	0	.1
27	0	1.5	43		40	74	134	.3	0	0	0	.1
28	0	1.7	37		45	89	112	.2	.1	0	0	.2
29	0	2.4	*35		-	81	93	.2	0	0	0	.1
30	0	2.1	*30		-	89	96	.2	.1	0	0	.1
31	0	-	*25		-	144	-	.2	-	0	0	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	56.8	8.4	0	1.83	113
November	24.5	2.6	0	.82	49
December	757.6	49	2.1	24.4	1,500
Calendar year 1934	5,762.6	88	0	15.8	11,430
January	1,152	-	-	37.2	2,280
February	1,187	-	-	42.4	2,350
March	1,949	144	35	62.9	3,870
April	5,854	471	93	195	11,610
May	434.5	100	0	14.0	862
June	5.5	1.0	0	.1e	11
July	13.7	2.1	0	.44	27
August	1.2	.2	0	.04	2.4
September	.9	.2	0	.03	1.8
Water year 1934-35	11,436.7	471	0	31.3	22,680

*Estimated.

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 1935 in reports of U. S. Geological Survey; June 1926 to September 1930 in reports of State engineer.

Average discharge.- 17 years (1904-13, 1926-28, 1929-35), 111 second-feet.

Extremes.- Maximum discharge during year, 494 second-feet Apr. 16 (gage height, 3.66 feet); minimum, 0.4 second-foot Sept. 7-16.
1903-14, 1926-35: Maximum discharge, 1,820 second-feet Mar. 20, 1910 (gage height, 7.05 feet at former gage); no flow Aug. 31, 1909, Sept. 7, 1931.

Remarks.- Records good except those estimated, which are poor. Stage-discharge relation affected by ice Jan. 2, 3, 10, 11, 18-21, Feb. 24, 25, Mar. 5, 6, 9, 10. Diversions for irrigation above station. Records furnished by State engineer.

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

1.0	0.7	2.5	184
1.2	6.3	3.0	301
1.5	25	3.4	415
1.7	46	3.7	511
2.0	91		

Discharge, 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	251	268	30	4.6	0.5
2	.7	9.9	17	*30	38	50	80	226	235	27	5.0	.6
3	.8	12	24	*30	38	50	80	197	213	26	5.0	.6
4	1.0	12	22	34	40	47	96	184	202	24	4.6	.5
5	1.0	13	20	34	42	*42	109	208	202	24	4.6	.5
6	1.1	12	20	33	46	*42	93	237	169	*24	4.2	.5
7	1.3	12	24	33	49	44	91	256	159	*23	3.9	.5
8	1.5	11	24	30	49	42	101	256	141	*22	3.5	.4
9	1.5		22	29	40	*34	109	256	130	22	3.5	.4
10	1.7		25	*29	42	*36	114	265	119	*22	2.7	.5
11	1.7	*13	22	*27	49	*41	122	296	109	*21	1.7	.4
12	1.9		26	25	45	49	137	283	105	21	1.7	.4
13	2.2		28	29	52	89	155	251	107	18	1.1	.4
14	2.4		28	30	45	121	176	237	99	16	1.1	.4
15	2.7	14	27	31	38	107	268	244	91	16	.8	.4
16	2.9	15	29	31	40	97	462	275	78	16	.7	.5
17	2.9	15	31	30	45	97	400	285	70	14	.7	.5
18	3.2	15	24	*28	45	88	293	233	60	13	.8	.5
19	3.5	19	27	*22	40	81	244	210	54	13	.8	.6
20	3.9	20	32	*20	42	80	251	208	63	13	.7	.6
21	5.0	20	42	*23	41	72	342	273	62	12	.7	.7
22	5.4	19	47	34	45	63	350	339	41	11	.8	.7
23	5.8	19	44	34	49	69	304	362	32	10	.8	.6
24	15	19	40	34	*50	68	221	350	33	8.9	.7	.7
25	12	22	35	34	*46	75	193	323	30	7.3	.7	.6
26	17	24	38	34	47	72	195	293	25	6.8	.6	.7
27	15	25	34	34	46	57	221	278	24	5.8	.5	.7
28	12	22	28	34	45	66	242	253	24	5.8	.5	.7
29	10	24	38	34	-	89	265	253	24	6.3	.6	.7
30	9.4	22	32	35	-	88	273	348	24	5.8	.7	.7
31	9.9	-	35	36	-	86	-	304	-	5.0	.5	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	155.0	17	0.6	5.0	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	0.1	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	6,070	462	80	202	12,040
May	8,254	382	184	266	16,370
June	2,993	268	24	99.8	5,940
July	489.7	30	5.0	15.8	971
August	58.8	5.0	.5	1.90	117
September	16.5	.7	.4	0.55	33
Water year 1934-35	23,706.8	462	.4	65.0	47,020

*Estimated.

Powder River near Robinette, Oreg.

Location.- Staff gage, lat. 44°46'20", long. 117°4'50", in NW¼ sec. 22, T. 9 S., R. 46 E., 3 miles northwest of Robinette.

Records available.- September 1928 to September 1935.

Extremes.- Maximum discharge observed during year, 1,610 second-feet Apr. 16 (gage height, 4.12 feet); minimum, 24 second-feet Sept. 23 (gage height, 0.50 foot).
1928-35: Maximum discharge, 4,180 second-feet June 15, 16, 1933 (gage height, 6.9 feet); minimum, 18 second-feet Sept. 2-10, 1930.

Remarks.- Records fair. Discharge interpolated Sept. 3. Numerous diversions for irrigation above station, but only one small diversion below.

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

0.4	20	2.0	350
.6	39	2.5	555
.9	80	3.0	810
1.2	134	3.5	1,130
1.6	227	4.0	1,530

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	43	134	166	155	144	177	201	870	1,210	332	57	69
2	43	124	166	144	155	177	214	810	1,060	268	57	66
3	47	124	166	124	155	177	201	755	1,060	240	55	58
4	50	124	166	177	134	177	214	700	990	268	52	51
5	47	124	166	189	177	166	227	810	1,060	254	57	46
6	45	124	155	177	177	155	214	810	1,060	254	59	44
7	45	124	155	177	177	189	227	930	1,060	254	72	44
8	45	124	155	177	177	177	254	870	930	254	88	46
9	46	124	155	155	144	155	315	870	930	227	72	46
10	47	124	155	134	124	144	332	870	810	177	70	49
11	45	134	134	177	155	155	350	810	810	177	76	44
12	45	134	134	134	166	166	445	700	930	166	70	47
13	43	134	155	134	166	254	578	700	810	166	68	49
14	47	144	177	155	166	332	650	700	810	134	52	51
15	50	144	177	155	155	283	1,060	700	700	115	59	61
16	50	144	166	134	134	268	1,610	810	650	106	64	44
17	50	155	177	144	144	268	1,370	810	625	113	70	46
18	50	177	166	124	155	254	1,130	755	532	124	71	41
19	50	177	166	95	155	227	990	650	555	111	70	40
20	52	177	177	82	155	227	990	755	555	99	59	39
21	55	177	201	82	166	214	1,210	930	555	82	54	36
22	64	166	268	144	189	201	1,130	1,060	532	82	52	28
23	80	166	240	166	227	201	1,060	1,210	532	82	59	28
24	92	166	227	177	201	189	930	1,130	465	78	51	43
25	110	177	189	177	166	201	810	1,060	445	83	51	43
26	113	177	201	144	166	177	810	1,130	385	102	49	38
27	113	177	166	144	166	177	870	1,060	385	95	49	41
28	106	166	166	104	166	166	870	1,060	385	92	50	43
29	106	166	177	144	-	177	810	1,060	445	94	71	41
30	113	166	166	144	-	189	930	1,210	385	80	78	41
31	124	-	144	144	-	214	-	1,290	-	74	72	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	2,016	124	43	65.0			4,000
November	4,474	177	124	149			8,870
December	5,379	268	134	174			10,670
Calendar year 1934	86,176	870	26	236			170,900
January	4,513	189	82	146			8,950
February	4,562	227	124	163			9,050
March	6,234	332	144	201			12,360
April	21,002	1,610	201	700			41,660
May	27,885	1,290	650	900			55,310
June	21,661	1,210	385	722			42,960
July	4,783	332	74	154			9,490
August	1,934	88	49	62.4			3,840
September	1,362	68	28	45.4			2,700
Water year 1934-35	105,805	1,610	28	290			209,900

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-eighths of a mile below mouth of Sheep Creek.

Records available.- June 1928 to September 1935.

Extremes.- Maximum discharge during year, 1,780 second-feet May 23 (gage height, 4.06 feet); minimum, 63 second-feet Jan. 10 (gage height, 0.99 foot).
1928-35: Maximum discharge, 3,450 second-feet May 21, 1932, June 10, 16, 1933; minimum, 40 second-feet Nov. 22, 1931, Feb. 9, 1933.

Remarks.- Records good except those estimated because of ice, Jan. 20-23, which are fair. Diversions for irrigation above station.

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

1.1	78	2.3	510
1.3	117	2.5	615
1.5	175	2.9	850
1.7	245	3.3	1,140
1.9	325	3.7	1,470
2.1	415	4.1	1,830

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	92	133	143	117	149	138	253	1,180	1,520	632	169	104
2	92	143	120	117	159	133	231	1,060	1,380	550	172	94
3	102	140	130	117	159	135	234	955	1,260	525	165	91
4	100	135	153	130	172	140	231	990	1,260	525	159	91
5	96	135	133	143	175	127	242	1,100	1,300	510	159	91
6	92	149	111	140	178	117	234	1,220	1,340	500	146	89
7	92	149	115	143	175	143	245	1,220	1,340	495	140	87
8	96	149	111	140	169	146	309	1,180	1,340	460	138	87
9	94	149	96	117	153	120	415	1,180	1,300	433	135	87
10	91	143	92	71	130	120	402	1,220	1,180	415	133	87
11	87	138	120	146	156	138	428	1,180	1,180	379	127	87
12	85	135	143	113	162	133	535	1,100	1,300	348	127	87
13	89	133	162	106	149	140	730	1,060	1,300	343	125	89
14	92	130	175	125	146	203	920	1,060	1,220	330	120	89
15	92	130	149	133	133	245	1,020	1,100	1,060	317	117	102
16	94	130	125	130	117	242	1,420	1,140	955	313	117	100
17	92	138	138	127	135	234	1,140	1,380	850	305	117	96
18	94	178	127	115	138	217	955	1,220	850	289	115	91
19	96	186	135	117	130	210	955	1,140	850	273	122	92
20	89	175	135	80	130	214	1,180	1,140	850	249	111	92
21	106	172	138	90	135	200	1,470	1,300	820	234	106	92
22	175	162	140	110	133	175	1,220	1,470	820	228	104	92
23	127	165	130	130	138	192	1,020	1,650	820	220	102	92
24	138	159	133	159	135	178	850	1,560	760	217	98	94
25	133	153	125	146	122	196	790	1,470	682	217	98	96
26	133	153	130	138	120	189	885	1,380	648	217	98	96
27	122	146	130	135	146	186	1,060	1,300	626	210	96	96
28	117	140	113	135	138	189	1,060	1,340	670	200	96	94
29	117	146	125	135	-	203	1,100	1,340	820	196	98	94
30	117	143	109	138	-	234	1,220	1,380	718	186	98	94
31	122	-	92	143	-	257	-	1,520	-	169	106	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	3,264	175	85	105	6,470
November	4,437	186	130	148	8,800
December	3,978	175	92	128	7,890
Calendar year 1934	113,909	1,120	80	312	225,900
January	3,886	159	71	125	7,710
February	4,082	178	117	146	8,100
March	5,494	257	117	177	10,900
April	22,754	1,470	231	758	45,130
May	38,535	1,650	955	1,243	76,430
June	31,019	1,520	626	1,034	61,530
July	10,485	632	169	338	20,800
August	3,814	172	96	123	7,560
September	2,773	104	87	92.4	5,500
Water year 1934-35	134,521	1,650	71	369	266,800

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 1½ 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 1935.

Average discharge.- 10 years, 558 second-feet.

Extremes.- Maximum discharge during year, 2,550 second-feet June 9 (gage height, 3.10 feet); minimum recorded discharge, 224 second-feet Sept. 12-14 (gage height, 0.83 foot).

1925-35: 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. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	254	329	*300	*270	*260	*260	277	760	1,810	1,210	403	233
2	254	347	*260	*290	*250	258	277	704	1,880	1,090	390	228
3	254	353	*290	*300	*260	*270	*280	676	1,810	1,020	377	228
4	249	353	*300	*320	*270	*260	282	704	1,810	1,000	364	228
5	245	377	*270	*320	*280	*260	292	789	1,880	1,000	347	228
6	245	390	*270	*310	*290	*230	287	818	2,020	1,020	341	228
7	249	370	*260	*310	*290	*270	*285	847	2,160	969	335	228
8	258	364	*250	*300	*280	*270	312	857	2,320	918	324	228
9	254	358	*240	*290	*270	*270	312	887	2,470	867	318	228
10	254	341	*230	*290	*260	*240	312	959	2,470	828	312	228
11	254	335	*240	*290	*240	*270	*348	938	2,320	779	302	228
12	254	329	*250	*290	*280	262	383	928	2,320	750	302	224
13	254	329	*260	*280	*270	287	465	887	2,390	713	297	224
14	258	324	*290	*270	*250	297	525	887	2,320	695	297	224
15	258	329	*290	*290	*250	*300	676	877	2,160	676	287	237
16	262	324	*250	*280	*250	287	632	928	2,020	667	282	237
17	262	324	*270	*280	*260	*270	533	1,060	1,810	667	282	237
18	277	347	*260	*280	*270	272	502	1,020	1,690	650	277	237
19	287	347	*280	*290	*270	*250	565	938	1,660	632	272	237
20	282	329	*290	*260	*270	*300	676	928	1,720	606	267	237
21	302	318	*290	*280	*270	*290	818	990	1,700	581	262	237
22	358	318	*280	*290	*270	267	713	1,120	1,650	557	254	237
23	324	329	*280	*300	*270	*260	650	1,350	1,700	533	254	237
24	341	312	*290	*290	*240	*280	581	1,570	1,660	509	249	237
25	390	302	*280	*270	*230	272	615	1,660	1,530	502	245	233
26	364	*300	*290	*260	*250	245	695	1,690	1,430	502	245	233
27	341	*300	*300	*260	*260	*260	732	1,700	1,370	472	241	237
28	335	*300	*270	*270	*260	*270	722	1,690	1,350	451	241	237
29	329	292	*270	*260	-	287	741	1,660	1,360	436	237	237
30	324	*270	*270	*270	-	282	760	1,650	1,310	423	237	237
31	324	-	*260	*260	-	*280	-	1,720	-	410	233	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	8,896	390	245	287	0.536	0.62	17,640
November	9,940	390	270	331	.619	.69	19,720
December	8,430	300	230	272	.508	.59	16,720
Calendar year 1934	174,365	1,600	202	478	.893	12.15	345,800
January	8,820	320	260	285	.533	.61	17,490
February	7,370	290	230	263	.492	.51	14,620
March	8,376	300	230	270	.505	.58	16,610
April	15,248	818	277	508	.950	1.06	30,240
May	34,192	1,720	676	1,103	2.06	2.38	67,820
June	56,100	2,470	1,310	1,870	3.50	3.90	111,300
July	22,133	1,210	410	714	1.33	1.53	43,900
August	9,074	403	233	293	.548	.63	18,000
September	6,969	237	224	232	.434	.48	13,820
Water year 1934-35	195,548	2,470	224	536	1.00	13.58	387,900

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 1935.

Average discharge.- 12 years (1922-24, 1925-35), 823 second-feet.

Extremes.- Maximum mean daily discharge during year(estimated), 4,000 second-feet June 9, 10; minimum discharge, 246 second-feet Feb. 25, Mar. 6 (gage height, 1.58 feet). 1921-35: Maximum discharge (estimated), 8,000 second-feet June 27, 1927; minimum (estimated), 160 second-feet Nov. 25-30, 1929.

Remarks.- Records good. Discharge estimated Nov. 5 to June 23, Aug. 19-28; interpolated June 28, 29. No diversions above station. Gage-height record furnished by Idaho Power & Mining Co. under Federal Power Commission Project No. 126.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	350	440	374	339	319	322	315	1,100	3,400	1,660	575	338
2	360	459	322	360	308	315	342	1,070	3,400	1,520	558	335
3	350	455	360	374	315	329	346	1,040	3,280	1,400	542	338
4	342	459	374	396	329	319	346	1,100	3,160	1,360	520	335
5	342	432	339	396	350	319	356	1,260	3,400	1,400	510	335
6	342	486	339	378	353	285	346	1,420	3,640	1,360	495	335
7	350	478	332	378	353	325	346	1,490	3,760	1,320	490	338
8	367	466	319	374	342	329	385	1,600	3,880	1,240	480	335
9	350	459	298	350	332	322	396	1,660	4,000	1,200	466	332
10	346	440	288	353	315	298	388	1,740	4,000	1,120	456	329
11	342	425	298	353	302	329	417	1,700	3,750	1,080	448	329
12	342	417	305	356	342	322	463	1,700	3,900	1,040	448	326
13	342	421	329	346	339	339	548	1,660	3,900	965	438	326
14	353	414	360	332	308	364	615	1,660	3,750	950	430	329
15	350	417	353	353	305	374	762	1,660	3,500	942	425	344
16	356	410	308	346	308	332	762	1,700	3,000	912	421	335
17	360	414	336	346	322	336	686	1,900	2,700	905	421	332
18	370	443	329	346	329	360	686	1,860	2,500	876	417	332
19	392	432	346	360	325	315	762	1,740	2,500	841	400	332
20	364	410	356	325	325	364	898	1,740	2,600	814	390	329
21	406	396	353	353	329	356	1,130	1,900	2,500	788	385	332
22	486	385	353	364	329	346	1,100	2,120	2,400	768	375	329
23	432	414	346	367	329	325	980	2,510	2,500	729	375	332
24	459	367	360	364	302	346	842	3,050	2,300	710	370	332
25	506	370	350	339	282	350	842	3,050	2,150	690	360	332
26	478	364	356	329	312	315	980	3,050	2,020	703	360	329
27	451	367	370	322	322	319	1,100	3,160	1,880	654	350	329
28	443	374	336	339	325	332	1,130	3,050	1,830	624	345	332
29	432	388	336	329	-	353	1,220	3,050	1,790	608	341	332
30	428	336	339	332	-	329	1,160	2,940	1,740	602	341	329
31	428	-	325	322	-	542	-	3,160	-	592	338	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	12,019	506	342	388	0.461	0.53	23,840
November	12,588	486	336	420	.499	.56	24,970
December	10,489	374	288	338	.402	.46	20,800
Calendar year 1934	264,019	2,830	279	723	.860	11.67	523,600
January	10,921	396	322	352	.419	.48	21,600
February	9,051	353	282	323	.384	.40	17,950
March	10,311	374	285	333	.396	.46	20,450
April	20,649	1,220	315	688	.818	.91	40,960
May	61,840	3,160	1,040	1,995	2.37	2.73	122,700
June	89,130	4,000	1,740	2,971	3.53	3.94	176,800
July	30,373	1,660	592	980	1.17	1.35	60,240
August	13,270	575	338	428	.509	.59	26,320
September	9,972	344	326	332	.395	.44	19,780
Water year 1934-35	290,613	4,000	282	796	.946	12.85	576,500

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 1935.

Extremes.- Maximum discharge during year, 6,840 second-feet June 9 (gage height, 6.66 feet); minimum, 306 second-feet Jan. 21 (gage height, 1.20 feet).
1929-35: Maximum discharge, 9,520 second-feet June 16, 1933 (gage height, 7.68 feet); minimum, 238 second-feet Dec. 10, 1932 (gage height, 0.89 foot).

Remarks.- Records good. Discharge estimated Mar. 13-17, Apr. 18, May 22-31, June 1, 30, July 1, Sept. 12-17. Diversions for irrigation above station.

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

1.6	422	4.4	2,630
2.0	576	4.8	3,190
2.4	773	5.2	3,830
2.8	1,025	5.6	4,550
3.2	1,335	6.0	5,350
3.6	1,710	6.4	6,230
4.0	2,140	6.8	7,180

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	533	622	554	474	493	513	474	1,610	4,700	2,540	891	533
2	533	622	513	474	474	493	513	1,520	4,740	2,320	891	533
3	533	622	513	513	456	513	513	1,420	4,640	2,260	860	533
4	533	646	576	554	474	493	513	1,420	4,640	2,260	630	533
6	533	646	533	622	533	493	513	1,660	5,040	2,200	802	633
6	513	670	513	576	554	439	513	1,860	5,560	2,260	773	533
7	513	670	493	699	554	474	493	2,030	6,000	2,200	773	533
8	513	670	474	676	533	493	554	2,030	6,230	2,080	746	533
9	513	646	474	513	533	474	576	2,080	6,700	2,030	720	533
10	495	622	456	513	493	456	554	2,140	6,230	1,920	720	533
11	493	622	456	533	439	493	554	2,200	5,780	1,760	720	533
12	493	599	456	554	493	513	599	2,140	6,000	1,710	720	520
13	613	622	474	513	533	520	695	2,080	6,230	1,660	695	510
14	533	599	676	493	474	550	773	1,980	5,780	1,610	670	510
15	533	599	576	554	456	560	923	1,920	5,350	1,610	670	510
16	533	599	513	554	439	500	1,130	1,980	4,740	1,610	646	510
17	533	599	513	554	493	510	1,060	2,320	4,180	1,610	646	510
18	554	622	513	533	554	533	950	2,260	3,920	1,520	646	513
19	564	622	533	554	533	474	955	2,080	3,830	1,470	646	513
20	554	599	554	456	533	513	1,210	2,080	4,000	1,380	622	513
21	554	576	554	422	533	513	1,520	2,320	3,830	1,340	622	513
22	670	554	533	576	533	513	1,520	2,900	3,740	1,290	599	513
23	646	599	533	599	533	474	1,290	3,500	3,830	1,210	599	513
24	622	576	533	622	493	493	1,100	4,100	3,660	1,170	576	513
25	670	554	533	654	456	513	1,100	4,100	3,420	1,130	576	513
26	670	554	533	533	456	474	1,210	4,100	3,190	1,130	576	513
27	646	533	564	513	493	456	1,470	4,100	3,040	1,100	554	513
28	622	576	533	533	533	513	1,520	4,100	2,970	1,020	554	513
29	622	576	493	513	-	533	1,520	4,100	2,970	990	554	513
30	622	533	533	513	-	493	1,660	4,100	2,750	955	554	513
31	599	-	493	493	-	493	-	4,400	-	923	533	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	17,446	670	493	563	0.324	0.37	34,600
November	18,149	670	533	605	.348	.39	36,000
December	16,088	576	456	519	.298	.34	31,910
Calendar year 1934	364,004	3,820	406	997	.573	7.79	722,000
January	16,583	622	422	535	.307	.35	32,890
February	14,074	554	439	503	.289	.30	27,920
March	15,475	560	439	499	.287	.33	30,690
April	27,975	1,160	474	932	.536	.60	55,490
May	80,630	4,400	1,420	2,601	1.49	1.72	159,900
June	137,690	6,700	2,750	4,590	2.64	2.94	273,100
July	50,268	2,640	923	1,622	.932	1.07	99,710
August	20,984	891	533	677	.389	.45	41,620
September	15,602	533	510	520	.299	.33	30,960
Water year 1934-36	430,964	6,700	422	1,161	.679	9.19	854,800

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 1935.

Average discharge.- 18 years (1913-16, 1920-35), 1,770 second-feet.

Extremes.- Maximum discharge during year, 6,460 second-feet June 9, 10 (gage height, 5.31 feet); minimum discharge, 597 second-feet Jan. 21 (gage height, 2.13 feet). 1912-16, 1919-35: 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. Diversions for irrigation above station.

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

1.9	420	3.1	1,700	4.3	3,980
2.1	570	3.3	2,010	4.5	4,460
2.3	760	3.5	2,340	4.7	4,950
2.5	970	3.7	2,700	4.9	5,450
2.7	1,190	3.9	3,090	5.1	5,950
2.9	1,430	4.1	3,520	5.3	6,460

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	790	1,000	860	*750	*760	*820	700	1,790	4,950	2,990	1,090	690
2	800	1,000	830	*720	740	860	690	1,700	5,080	2,700	1,090	680
3	790	1,000	820	*720	730	871	680	1,640	4,950	2,610	1,070	690
4	790	1,000	810	*800	730	862	730	1,530	4,820	2,520	1,040	690
5	780	1,010	860	*850	760	*840	740	1,570	4,950	2,520	1,010	690
6	780	1,000	830	*900	840	*800	740	1,780	5,450	2,520	992	700
7	780	1,020	800	*900	893	*790	740	1,980	5,820	2,430	948	690
8	780	1,040	780	*900	893	790	770	2,060	5,950	2,340	915	690
9	780	1,010	770	*850	893	790	820	2,040	6,200	2,270	882	690
10	780	1,010	740	*800	871	780	800	2,110	6,330	2,200	850	690
11	770	981	690	*800	810	770	800	2,220	5,950	2,110	830	690
12	770	948	690	790	730	800	800	2,190	5,950	2,030	820	680
13	770	948	680	830	760	830	871	2,150	6,080	1,930	820	670
14	780	937	*800	780	830	*880	937	2,070	5,950	1,880	810	670
15	820	937	992	*770	780	*880	1,050	2,010	5,580	1,840	780	660
16	871	948	959	*850	770	860	1,200	1,960	5,200	1,800	770	660
17	893	948	790	*850	740	810	1,390	2,070	4,700	1,780	780	680
18	904	948	780	*850	780	780	1,240	2,430	4,340	1,760	780	670
19	926	959	*800	*850	904	780	1,200	2,340	4,100	1,720	780	680
20	926	959	*830	730	882	760	1,240	2,200	4,100	1,670	780	690
21	915	937	*860	651	*840	*755	1,520	2,220	4,100	1,640	770	690
22	926	915	860	*700	*840	*755	1,870	2,520	3,980	1,530	760	690
23	1,000	882	840	*900	830	750	1,720	3,090	3,860	1,480	740	700
24	1,060	904	790	*920	790	730	1,550	3,860	3,860	1,430	710	700
25	1,040	882	*800	950	750	730	1,380	4,460	3,640	1,380	710	690
26	1,070	840	*800	840	*730	740	1,360	4,340	3,410	1,360	700	690
27	1,080	830	*800	800	*730	700	1,460	4,340	3,300	1,330	710	690
28	1,040	820	*800	750	*760	*680	1,660	4,340	3,200	1,270	710	700
29	1,020	850	730	*790	-	*720	1,670	4,340	3,200	1,200	690	720
30	1,010	860	710	*780	-	740	1,700	4,340	3,090	1,170	690	720
31	1,000	-	820	*770	-	720	-	4,460	-	1,110	700	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	27,441	1,080	770	885			54,430
November	28,323	1,040	820	944			56,180
December	24,921	992	680	804			49,430
Calendar year 1934	457,740	3,940	530	1,254			907,900
January	25,141	950	651	811			49,870
February	22,366	904	730	799			44,360
March	24,393	882	680	787			48,380
April	34,028	1,870	680	1,134			67,490
May	82,150	4,460	1,530	2,650			162,900
June	142,090	6,330	3,090	4,736			281,800
July	58,520	2,990	1,110	1,888			116,100
August	25,727	1,090	690	830			51,030
September	20,640	720	660	688			40,940
Water year 1934-35	515,740	6,330	651	1,413			1,023,000

*Estimated.

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 as revised.

Records available.- August 1910 to September 1917, October 1919 to September 1935.

Average discharge.- 23 years, 10,420 second-feet.

Extremes.- Maximum discharge during year, 43,200 second-feet June 2 (gage height, 23.49 feet); minimum, 2,240 second-feet Jan. 22 (gage height, 11.10 feet).

1910-17, 1919-35: 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. Amount of water diverted for irrigation above station negligible.

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

11.1	2,240	14.5	8,120	18.0	18,130
11.5	2,680	15.0	9,290	19.0	21,880
12.0	3,360	15.5	10,540	20.0	25,980
12.5	4,170	16.0	11,870	21.0	30,480
13.0	5,060	16.5	13,290	22.0	35,360
13.5	6,020	17.0	14,790	23.0	40,500
14.0	7,040	17.5	16,400	23.9	45,400

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,930	4,080	3,590	3,070	3,280	3,280	3,920	14,200	42,100	14,800	4,520	2,930
2	2,860	4,260	3,510	2,800	3,260	3,360	3,750	13,600	41,600	13,600	4,430	2,930
3	2,860	4,340	3,510	2,620	3,280	3,440	3,590	12,700	39,500	12,400	4,340	2,930
4	2,930	4,260	3,440	2,500	3,210	3,440	3,670	12,400	37,400	11,600	4,260	2,900
5	2,860	4,170	3,510	2,860	3,140	3,360	3,830	13,300	37,400	11,300	4,080	2,870
6	2,860	4,260	3,510	3,210	3,280	3,280	4,000	14,600	39,500	11,100	4,000	2,840
7	2,860	4,430	3,360	3,750	3,510	3,280	4,000	16,700	41,000	10,800	3,920	2,800
8	2,860	4,430	3,140	4,000	3,510	3,210	4,080	17,800	41,000	10,500	3,830	2,770
9	2,930	4,430	3,070	3,920	3,590	3,210	4,520	18,100	41,000	10,000	3,750	2,740
10	3,000	4,260	2,800	3,590	3,440	3,140	4,790	19,200	39,500	9,290	3,590	2,740
11	2,930	4,260	2,620	3,360	3,280	3,140	4,970	19,600	37,400	9,050	3,510	2,740
12	2,860	4,080	2,450	3,070	3,210	3,140	5,250	19,600	36,400	8,580	3,440	2,680
13	2,860	4,000	2,680	3,070	3,210	3,280	6,020	19,200	36,400	8,120	3,440	2,680
14	2,800	3,920	2,860	3,210	3,280	3,750	7,040	18,500	34,400	7,680	3,360	2,620
15	2,930	3,920	3,210	3,000	3,280	4,260	8,120	18,500	31,900	7,460	3,360	2,620
16	3,000	3,920	3,920	2,930	3,140	4,520	9,780	18,900	29,100	7,040	3,280	2,680
17	3,140	3,920	3,830	3,000	3,000	4,430	10,800	21,100	26,000	6,830	3,210	2,740
18	3,280	3,920	3,510	3,140	2,930	4,170	10,000	21,900	23,500	6,620	3,210	2,680
19	3,440	4,000	3,440	3,210	3,140	3,920	9,290	20,700	21,900	6,420	3,210	2,680
20	3,590	4,080	3,440	2,800	3,360	3,750	9,780	20,700	21,100	6,220	3,210	2,680
21	3,670	4,000	3,590	2,500	3,510	3,750	12,200	23,100	20,000	6,020	3,210	2,620
22	3,830	3,920	3,670	2,340	3,510	3,750	15,100	27,700	19,200	6,020	3,210	2,620
23	4,340	3,830	3,670	2,560	3,510	3,590	14,500	35,400	18,500	5,820	3,070	2,620
24	4,430	3,750	3,590	3,210	3,590	3,590	12,700	41,600	17,400	5,820	3,000	2,620
25	4,340	3,750	3,510	3,510	3,440	3,590	11,300	42,100	16,700	5,630	2,930	2,620
26	4,520	3,750	3,440	3,670	3,140	3,750	11,100	40,500	15,700	5,630	2,930	2,620
27	4,520	3,670	3,440	3,590	2,930	3,750	11,900	38,900	14,800	5,440	2,860	2,620
28	4,340	3,590	3,510	3,440	3,000	3,590	12,700	38,400	14,200	5,260	2,860	2,620
29	4,170	3,590	3,440	3,360	-	3,590	13,000	37,400	14,500	5,060	2,860	2,620
30	4,080	3,590	3,280	3,260	-	3,830	13,600	37,400	15,400	4,790	2,860	2,620
31	4,000	-	3,140	3,280	-	4,000	-	40,000	-	4,700	2,860	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	106,020	4,520	2,800	3,420	210,300
November	120,380	4,430	3,590	4,013	238,800
December	103,680	3,920	2,450	3,345	205,600
Calendar year 1934	2,738,310	34,400	2,290	7,502	5,431,000
January	97,850	4,000	2,340	3,156	194,100
February	91,980	3,590	2,930	3,285	182,400
March	112,140	4,520	3,140	3,617	222,400
April	249,300	15,100	3,590	8,310	494,500
May	754,000	42,100	12,400	24,320	1,496,000
June	864,500	42,100	14,200	28,820	1,715,000
July	249,590	14,800	4,700	8,051	495,100
August	106,600	4,520	2,860	3,439	211,400
September	81,450	2,930	2,620	2,715	161,600
Water year 1934-35	2,937,490	42,100	2,340	8,048	5,827,000

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 1935.

Average discharge.- 15 years (1911-13, 1922-35), 177 second-feet.

Extremes.- Maximum discharge observed during year, 710 second-feet June 8, 9; maximum gage height, 2.75 feet June 9; minimum discharge, 56 second-feet Sept. 11-14; minimum recorded gage height, 1.01 feet Sept. 11, 14.
1910-13, 1921-35: 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 estimated, which are fair. Diversions for irrigation above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	65	*88	77	*70	*65	*74	*75	313	592	292	*103	58
2	*65	92	* 75	*75	*65	75	*75	292	565	271	102	58
3	65	*100	84	*80	*65	*74	*75	292	538	252	*99	*59
4	*65	*109	*85	83	73	*74	*75	336	565	252	96	*59
5	*66	117	*75	*80	*73	*73	*75	313	*608	271	*93	60
6	66	*112	*70	*78	*73	*72	*75	358	650	252	*89	60
7	*65	107	*65	75	73	*72	*80	356	650	252	86	*59
8	*64	*102	*65	*74	*72	*71	84	336	710	232	*84	*59
9	*64	96	*60	73	70	*70	*87	336	710	214	*83	*58
10	63	* 94	*60	*73	*70	*69	90	358	650	197	81	*57
11	*62	* 91	*60	*73	*69	*69	104	336	650	182	*79	56
12	61	* 88	*65	73	*69	68	127	336	680	182	*77	*56
13	65	86	*65	*70	*68	*78	150	313	650	182	75	*56
14	*65	*82	68	66	*68	88	*210	313	592	182	*76	56
15	*66	79	*69	*70	*68	*85	271	313	484	182	77	*58
16	66	*80	*69	75	*67	*85	214	336	*484	*177	*77	60
17	*74	81	70	*72	*67	*85	197	382	432	*171	77	*62
18	83	*85	*70	70	*66	*85	182	382	432	166	*78	*63
19	*80	86	*70	*70	66	86	271	*359	432	*158	79	65
20	77	*85	70	*65	*66	*83	358	336	432	150	*79	*66
21	*90	*85	*71	*70	*66	*80	*400	382	432	144	*79	66
22	*110	90	72	*75	66	77	271	432	432	139	79	*64
23	84	*85	*72	77	*66	*75	214	538	432	129	*76	63
24	*110	*80	*73	*75	*67	*75	232	565	406	*126	*74	*63
25	137	*80	73	63	*68	*75	271	592	*382	122	*71	63
26	*114	*80	*70	*65	68	*75	358	565	356	*116	*69	*63
27	90	83	*70	*65	*70	*75	358	565	336	111	*66	*63
28	*88	*82	*70	*65	72	*75	358	538	336	117	*64	63
29	86	*80	*65	*65	-	*75	358	538	358	*108	61	*64
30	*84	*78	*65	*65	-	*75	313	538	336	*106	63	*64
31	83	-	*65	*65	-	*75	-	565	-	104	*60	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	2,423	137	61	78.2	0.444	0.51	4,810
November	2,683	117	78	89.4	.508	.57	5,320
December	2,158	85	60	69.6	.395	.46	4,280
Calendar year 1934	53,510	565	43	147	.835	11.30	106,100
January	2,215	83	63	71.5	.406	.47	4,390
February	1,916	75	65	68.4	.389	.41	3,800
March	2,368	88	68	76.4	.434	.50	4,700
April	6,008	400	75	200	1.14	1.27	11,920
May	12,516	592	292	404	2.30	2.65	24,830
June	15,314	710	336	510	2.90	3.24	30,370
July	5,539	292	104	179	1.02	1.18	10,990
August	2,452	103	60	79.1	.449	.52	4,860
September	1,821	66	56	60.7	.345	.38	3,610
Water year 1934-35	57,413	710	56	157	.892	12.16	113,900

*Estimated.

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 1935.

Average discharge.- 12 years (1922-24, 1925-35), 173 second-feet.

Extremes.- Maximum discharge observed during year, 1,160 second-feet June 8 (gage height, 4.94 feet); minimum, 47 second-feet Oct. 13-15. Lower flow may have occurred during winter.

1921-35: 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 estimated Nov. 25 to Apr. 8, which are poor. Discharge interpolated Oct. 5, 14, Nov. 14, Apr. 19-21, May 26, June 30, Aug. 29, Sept. 25. No diversions or regulation above station. Gage-height record furnished by the Idaho Power & Mining Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	50	78					55	275	1,040	264	96	61
2	51	77					55	275	1,040	264	96	60
3	50	81					55	288	890	241	88	61
4	53	75					55	300	940	241	88	56
5	52	80					55	300	940	230	84	57
6	51	82					55	445	990	230	82	59
7	55	84					55	462	990	230	82	60
8	53	84					55	428	1,160	230	80	61
9	49	82					55	428	1,040	209	80	60
10	49	82					61	462	990	189	76	64
11	49	75					88	410	990	180	77	60
12	48	69					103	410	990	180	77	56
13	47	71					119	445	940	161	75	55
14	47	71					127	410	940	144	73	56
15	47	71					135	410	840	144	71	55
16	54	69					135	462	790	144	71	54
17	54	68					144	445	695	144	73	53
18	51	75					170	410	520	135	71	54
19	51	80					190	410	520	127	73	53
20	51	62					211	445	500	127	70	51
21	51	50					232	480	500	127	69	53
22	54	61					252	520	462	127	69	50
23	54	65					199	940	462	119	68	49
24	59	66					189	990	428	111	64	49
25	75	60					189	990	428	111	62	49
26	82	60					230	965	428	111	64	49
27	85	60					300	940	410	103	62	48
28	77	60					312	990	410	103	61	50
29	75	60					300	990	395	103	62	49
30	82	60					300	990	330	103	64	49
31	74	-					-	990	-	103	62	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	1,780	85	47	57.4	0.294	0.34	3,530
November	2,108	84	50	70.3	.361	.40	4,180
December	1,705	-	-	55	.282	.33	3,380
Calendar year 1934	57,483	-	-	157	.805	10.96	114,000
January	1,705	-	-	55	.282	.33	3,380
February	1,400	-	-	50	.256	.27	2,780
March	1,705	-	-	55	.282	.33	3,380
April	4,481	312	55	149	.764	.85	8,890
May	17,705	990	275	571	2.93	3.38	35,120
June	21,996	1,160	330	733	3.76	4.20	43,630
July	5,035	264	103	162	.831	.96	9,990
August	2,292	96	61	73.9	.379	.44	4,550
September	1,641	64	48	54.7	.281	.31	3,250
Water year 1934-35	63,555	1,160	-	174	.892	12.14	126,100

East Fork of Salmon River near Clayton, Idaho

Location.- Staff gage, lat. 44°13', long. 114°17', in NW 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 1935.

Extremes.- Maximum discharge observed during year, 1,460 second-feet June 8 (gage height, 3.55 feet); minimum recorded discharge, 46 second-feet Dec. 13.
1928-35: Maximum discharge, 2,830 second-feet June 25, 1932 (gage height, 4.48 feet); minimum discharge, 29 second-feet Dec. 3, 1928; minimum gage height, 0.38 foot Nov. 23, 1931.

Remarks.- Records fair except those estimated for Jan. 1 to Mar. 13, which are poor. Several small irrigation diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	75	75	72			60	61	151	920	590	220	93
2	77	77	68			60	61	133	850	501	192	84
3	80	82	72			60	64	133	815	530	180	81
4	80	85	70			60	64	129	920	590	180	76
5	77	82	65			60	61	142	1,060	560	180	71
6	72	77	57			60	61	160	1,300	530	172	68
7	75	77	57			60	64	206	1,380	501	167	68
8	77	75	53			60	64	206	1,460	472	167	73
9	75	75	51			60	67	206	1,380	445	165	73
10	72	72	51			60	67	220	1,380	418	165	73
11	75	75	51			60	64	236	1,380	418	149	76
12	75	77	49			60	73	236	1,300	418	149	76
13	75	77	46			65	86	236	1,300	369	144	79
14	72	75	47			73	93	236	1,300	369	137	79
15	75	76	53			70	104	236	1,300	369	133	79
16	75	82	53			70	133	236	1,300	369	122	78
17	72	80	57			70	112	236	990	394	118	78
18	75	80	57			70	112	236	990	369	112	78
19	72	80	59			67	112	220	850	369	112	81
20	77	82	61			67	129	236	780	369	110	82
21	77	82	61			67	156	251	885	369	110	82
22	77	80	63			67	156	394	920	325	106	82
23	80	77	65			67	146	530	920	325	108	84
24	75	77	65			67	133	650	885	306	108	84
25	75	72	63			67	120	590	885	286	106	84
26	78	68	63			67	129	620	850	251	106	84
27	72	68	61			67	137	620	815	251	98	84
28	72	72	61			67	133	620	780	251	102	84
29	72	75	63			67	133	590	748	220	102	86
30	72	72	61			67	165	560	715	220	102	84
31	70	-	61			64	-	780	-	220	98	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	2,323	80	70	74.9	0.151	0.17	4,610
November	2,304	85	68	76.8	.155	.17	4,570
December	1,836	72	46	59.2	.119	.14	3,640
Calendar year 1934	42,713	490	46	117	.235	3.20	84,720
January	1,860	-	-	60	.121	.14	3,690
February	1,680	-	-	60	.121	.13	3,330
March	2,006	73	60	64.7	.130	.15	3,980
April	3,060	165	61	102	.205	.23	6,070
May	10,235	780	129	330	.664	.77	20,300
June	31,358	1,460	715	1,045	2.10	2.34	62,200
July	11,974	590	220	386	.777	.90	23,750
August	4,220	220	98	136	.274	.32	8,370
September	2,384	93	68	79.5	.160	.18	4,730
Water year 1934-35	75,240	1,460	46	206	.414	5.64	149,200

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 1935.

Extremes.- Maximum discharge recorded during year, 234 second-feet Nov. 24, 30, Dec. 2, 3; maximum gage height, 2.48 feet Nov. 24, 30, Dec. 2; minimum discharge, 86 second-feet May 21; minimum gage height, 1.78 feet May 13, 14.
1930-35: Maximum recorded discharge, 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.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	155	212	223	212	200	212	188	155	99	124	115	134
2	155	212	234	212	200	200	177	155	101	124	115	134
3	155	212	234	212	200	212	188	144	99	124	115	134
4	155	212	223	212	200	212	188	144	101	124	115	134
5	155	212	223	212	200	200	188	144	104	115	115	134
6	155	212	223	212	200	200	177	134	110	115	115	134
7	155	212	223	212	200	200	177	134	110	124	115	134
8	155	212	223	212	200	200	177	124	108	124	115	134
9	155	212	223	212	200	200	177	110	110	115	115	134
10	166	212	223	212	200	200	177	102	110	124	115	134
11	166	212	223	212	200	200	177	97	108	124	115	134
12	166	212	223	212	200	200	177	92	104	124	115	134
13	177	212	223	212	200	212	177	89	110	124	115	134
14	177	212	223	212	200	212	177	89	113	124	115	134
15	177	212	223	212	200	212	177	89	113	124	115	134
16	177	212	223	212	200	212	177	91	111	115	124	134
17	188	212	223	200	200	200	177	91	113	115	124	134
18	188	212	223	200	200	200	155	91	113	115	124	134
19	186	212	223	200	200	200	155	89	124	115	134	134
20	188	212	223	200	188	200	155	89	124	124	134	134
21	188	223	223	200	200	200	166	66	124	115	124	134
22	188	212	223	200	200	200	155	69	124	124	124	134
23	200	223	223	200	200	200	155	92	124	124	124	134
24	200	234	223	200	200	200	155	94	124	124	124	134
25	200	223	212	200	200	168	144	95	115	124	124	134
26	200	223	212	200	200	168	155	69	115	124	124	144
27	212	223	212	200	200	188	155	89	124	124	124	144
28	212	223	223	200	200	188	155	92	124	115	124	144
29	200	223	223	200	-	188	155	95	124	115	124	155
30	212	234	223	200	-	188	155	94	124	115	124	155
31	212	-	212	200	-	168	-	101	-	115	124	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,577	212	155	180	11,060
November	6,481	234	212	216	12,850
December	6,891	234	212	222	13,670
Calendar year 1934	60,137	258	75	165	119,300
January	6,392	212	200	206	12,680
February	5,588	200	168	200	11,080
March	6,200	212	188	200	12,300
April	5,068	188	144	169	10,050
May	3,269	155	66	105	6,480
June	3,407	124	99	114	6,760
July	3,736	124	115	121	7,410
August	3,729	134	115	120	7,400
September	4,092	155	134	136	8,120
Water year 1934-35	60,430	234	86	166	119,900

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 Salmon River Power & Light Co., 1,000 feet above Kirtly Creek, and 1 mile southeast of Salmon.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge during year, 1,040 second-feet June 14, 15 (gage height, 2.86 feet); minimum, 19 second-feet Aug. 13 (gage height, 0.92 foot).
1928-35: Maximum discharge (estimated) 1,400 second-feet June 16, 1929; minimum, 14 second-feet July 22, 23, 1931.

Remarks.- Records fair. Discharge estimated Jan. 21. Many diversions for irrigation above station. Salmon Power & Light Co. diverts water for power 700 feet downstream.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	112	218	218	178	197	164	178	231	402	333	46	*32
2	112	218	218	141	*199	164	178	222	*492	333	*42	34
3	114	216	218	128	201	160	182	222	582	333	37	34
4	114	218	216	134	205	164	186	222	508	301	31	34
5	120	226	209	160	205	167	194	*210	582	282	30	34
6	131	226	186	222	209	167	194	197	621	272	28	37
7	134	226	186	205	205	167	201	186	750	262	26	37
8	157	226	178	182	197	167	201	175	750	253	27	37
9	164	231	178	182	197	167	201	167	890	244	29	38
10	164	214	171	175	*190	167	201	154	842	235	22	38
11	164	216	171	160	*182	167	*203	141	842	226	22	38
12	171	226	167	160	*174	201	205	134	890	*210	21	38
13	171	226	160	157	167	218	214	128	990	194	19	38
14	171	216	248	157	*166	231	239	101	1,040	144	21	36
15	171	218	244	144	*165	235	244	78	1,040	131	*21	35
16	226	209	239	150	*164	226	*246	52	890	126	*20	35
17	262	209	222	144	*163	209	248	48	795	94	20	37
18	218	209	214	144	*162	186	239	42	663	89	22	37
19	209	209	209	137	*161	194	258	52	582	78	22	37
20	209	214	205	131	160	194	267	59	508	72	21	37
21	222	214	205	100	160	194	272	62	473	99	20	37
22	226	214	209	218	150	182	296	70	440	76	*22	39
23	226	214	201	282	150	182	282	96	440	76	24	39
24	*230	214	201	222	150	182	282	262	408	112	26	42
25	235	214	209	197	150	182	277	373	361	89	26	44
26	244	214	209	182	157	182	277	301	312	74	26	44
27	244	190	201	182	157	182	277	307	312	70	26	47
28	*229	205	171	182	164	182	258	*294	312	60	*27	47
29	214	214	171	182	-	182	258	282	333	57	*28	48
30	214	214	178	197	-	182	239	*328	*333	50	*29	64
31	218	-	186	194	-	*180	-	373	-	50	30	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	5,796	262	112	187	11,500
November	6,484	231	190	216	12,860
December	6,200	248	160	200	12,300
Calendar year 1934	56,294	390	15	154	111,700
January	5,329	282	100	172	10,570
February	4,907	209	150	175	9,730
March	5,727	235	160	185	11,360
April	6,997	296	178	233	13,880
May	5,569	373	42	180	11,050
June	18,383	1,040	312	613	36,460
July	5,025	333	50	162	9,970
August	811	46	19	26.2	1,610
September	1,176	64	32	39.2	2,330
Water year 1934-35	72,404	1.040	19	198	143,600

*Interpolated.

North Fork of Salmon River at North Fork, Idaho

Location.- Staff gage, lat. 45°25', long. 113°53', in SW¼ sec. 16, T. 24 N., R. 21 E., a quarter of a mile above mouth, 750 feet above bridge on Salmon River highway, and 1,000 feet from North Fork.

Drainage area.- 214 square miles.

Records available.- October 1929 to September 1935. April to September 1912 at site 6 miles upstream and above mouth of Spring Creek.

Extremes.- Maximum discharge during year, 423 second-feet May 23, 24 (gage height, 2.47 feet on auxiliary gage 200 feet downstream); minimum, 22 second-feet Jan. 20 (gage height, 0.08 foot).

1929-35: 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 estimated, which are fair. Discharge interpolated May 11, 12, Aug. 31, Sept. 28. No diversions. Gage heights for May 16 to Sept. 30 obtained from auxiliary gage 200 feet downstream.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	31	46	40	29	*35	34	36	143	408	131	40	29
2	31	48	37	24	*35	37	40	143	408	125	37	27
3	32	47	40	37	*35	34	37	143	378	123	37	27
4	32	46	43	40	*35	36	36	143	363	123	38	26
5	32	46	45	*50	*40	35	39	158	363	121	38	27
6	32	46	43	*50	*40	37	36	174	378	121	38	28
7	32	46	38	*50	*40	38	36	182	363	112	34	27
8	40	46	38	*45	*40	33	40	182	378	108	34	27
9	36	46	38	42	*40	33	40	182	378	97	34	26
10	36	46	30	25	*35	35	40	191	363	94	30	27
11	34	46	27	*40	*35	31	39	188	334	90	28	26
12	34	46	33	*40	*35	36	51	185	363	83	29	25
13	40	44	45	*40	*35	53	67	182	348	83	28	25
14	38	43	*50	37	*35	54	74	182	334	76	28	26
15	37	43	*50	43	*30	54	89	182	304	65	29	26
16	49	43	*45	42	*30	48	97	220	276	65	30	26
17	46	43	*45	43	*30	45	91	220	247	62	30	26
18	46	46	45	42	*35	41	86	247	233	61	30	26
19	54	45	43	33	*35	41	91	247	220	61	28	26
20	52	44	43	22	33	41	116	247	206	59	28	26
21	48	44	41	30	34	40	158	276	181	64	27	27
22	51	43	42	*45	34	40	150	348	170	56	24	27
23	47	43	42	*45	33	37	143	423	158	58	25	25
24	52	41	40	*45	34	40	122	423	158	54	24	26
25	51	42	40	*40	30	41	116	408	158	51	24	26
26	49	41	40	*40	*35	41	116	393	145	52	23	26
27	47	40	40	*40	*35	41	136	393	131	51	23	25
28	46	41	38	*38	*35	39	129	363	121	42	23	26
29	46	41	36	*36	-	39	129	363	145	42	22	26
30	46	41	46	*38	-	34	143	378	145	41	23	27
31	46	-	41	*38	-	37	-	408	-	42	26	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	1,293	54	31	41.7	0.195	0.22	2,560
November	1,323	48	40	44.1	.206	.23	2,620
December	1,264	50	27	40.8	.191	.22	2,510
Calendar year 1934	32,750	484	22	89.7	.419	5.70	64,960
January	1,211	50	22	39.1	.183	.21	2,400
February	978	40	30	34.9	.163	.17	1,940
March	1,225	54	31	39.5	.185	.21	2,430
April	2,525	158	36	84.2	.393	.44	5,010
May	7,917	423	143	255	1.19	1.37	15,700
June	8,157	408	121	272	1.27	1.42	16,180
July	2,415	131	41	77.9	.364	.42	4,790
August	912	40	22	29.4	.137	.16	1,810
September	790	29	25	26.3	.123	.14	1,570
Water year 1934-35	30,010	423	22	82.2	.384	5.21	59,520

*Estimated.

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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 1935.

Extremes.- Maximum discharge during year, 1,180 second-feet May 24 (gage height, 4.97 feet); minimum recorded discharge, 55 second-feet Nov. 24; minimum gage height, 2.23 feet Apr. 7.
1928-35: 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 estimated for Oct. 2-10, Nov. 30 to Apr. 3, May 15, which are poor. No diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	72	91					58	285	1,110	318	117	83
2	72	89					62	288	1,040	288	115	82
3	72	86					64	299	980	270	113	82
4	72	83					66	349	980	263	111	82
5	72	93					65	428	1,010	260	109	82
6	72	91					64	492	1,080	256	105	83
7	72	89					64	528	1,080	246	101	83
8	72	89					67	554	1,080	232	100	82
9	72	88					67	568	1,080	214	98	82
10	70	78					68	586	980	207	96	80
11	67	75					72	568	920	198	96	80
12	67	72					78	550	950	190	94	79
13	68	76					85	532	890	184	91	79
14	70	72					94	510	805	176	91	80
15	70	73					119	550	750	170	91	83
16	72	72					119	670	670	165	93	82
17	72	76					111	645	595	160	93	82
18	79	79					115	582	568	152	93	80
19	82	78					130	568	546	152	93	79
20	76	75					160	620	528	148	93	78
21	94	71					210	695	505	145	91	78
22	115	68					192	832	484	141	88	78
23	86	73					178	1,040	466	136	88	78
24	93	66					165	1,080	445	134	85	76
25	105	68					173	1,080	406	134	83	78
26	96	76					210	1,080	381	132	83	76
27	93	70					232	1,080	365	125	83	76
28	93	72					239	1,040	345	123	82	75
29	85	67					260	1,040	361	121	82	73
30	83	65					281	1,010	345	119	83	73
31	88	-					-	1,080	-	117	83	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	2,472	115	67	79.7	0.578	0.67	4,900
November	2,321	93	65	77.4	.561	.63	4,600
December	2,015	-	-	65	.471	.54	4,000
Calendar year 1934	69,521	1,040	-	190	1.38	18.73	137,900
January	1,860	-	-	60	.435	.50	3,690
February	1,680	-	-	60	.435	.45	3,330
March	1,860	-	-	60	.435	.50	3,690
April	3,868	281	58	129	.935	1.04	7,670
May	21,229	1,080	285	685	4.96	5.72	42,110
June	21,745	1,110	345	725	5.25	5.86	43,130
July	5,676	318	117	183	1.33	1.53	11,260
August	2,924	117	82	94.3	.683	.79	5,800
September	2,384	83	73	79.5	.576	.64	4,730
Water year 1934-35	70,034	1,110	58	192	1.39	18.87	138,900

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 G. 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 1935.

Extremes.- Maximum discharge observed during year, 9,220 second-feet May 24, 25, June 1; maximum gage height, 6.34 feet May 24; minimum mean daily discharge(estimated), 450 second-feet Jan. 22; minimum gage height, 1.95 feet Mar. 8.
1931-35: Maximum discharge observed, 17,000 second-feet June 10, 1933 (gage height, 8.10 feet); minimum not determined.

Remarks.- Records good. Stage-discharge relation affected by ice Dec. 6-21, 30, 31, Jan. 1-7, 10-31, Feb. 1-5.

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

1.7	480	3.7	2,470	5.7	7,160
2.1	655	4.1	3,140	6.1	8,505
2.5	945	4.5	3,920	6.5	9,985
2.9	1,370	4.9	4,860		
3.3	1,880	5.3	5,945		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	655	785	628	*575	*625	628	600	2,800	9,220	2,630	945	685
2	655	860	655	*525	*625	600	578	2,630	8,860	2,470	945	685
3	628	822	655	*500	*625	600	600	2,470	8,160	2,160	945	685
4	628	822	685	*475	*625	600	600	2,470	7,820	2,090	945	655
5	628	860	655	*525	*600	600	628	2,960	8,160	2,020	860	655
6	628	822	*650	*600	665	600	655	3,510	8,500	2,020	822	655
7	628	860	*625	*700	655	578	655	3,920	8,500	1,950	822	655
8	628	822	*600	750	685	578	685	4,140	8,860	1,950	822	655
9	628	785	*575	750	655	600	715	4,370	8,860	1,880	785	655
10	628	785	*525	*675	655	600	750	4,610	8,500	1,810	785	655
11	628	*715	*500	*625	685	578	785	4,610	7,820	1,740	785	628
12	600	*715	*475	*575	655	578	860	4,370	7,820	1,620	785	628
13	628	715	*500	*575	655	655	992	4,370	7,160	1,620	785	600
14	655	*715	*550	*600	655	685	1,200	3,920	6,840	1,490	785	600
15	655	*715	*625	*575	655	715	1,950	4,140	6,540	1,430	785	600
16	655	*715	*725	*550	655	715	2,090	3,920	5,660	1,430	750	628
17	685	*655	*725	*575	655	715	2,020	4,370	4,860	1,370	785	628
18	685	*685	*675	*575	655	685	1,810	4,860	4,370	1,310	785	628
19	715	*715	*650	*600	655	655	1,880	4,370	4,370	1,310	785	628
20	715	*750	*650	*525	628	655	1,950	4,140	4,140	1,370	750	600
21	715	*715	*675	*475	628	655	2,020	4,860	4,140	1,200	750	600
22	750	*685	655	*450	628	655	2,960	6,240	3,710	1,200	750	628
23	822	685	655	*500	628	655	2,320	7,480	3,710	1,140	715	628
24	860	715	655	*600	628	628	2,020	9,220	3,710	1,140	715	628
25	860	656	655	*650	628	655	1,950	9,220	3,140	1,140	715	628
26	902	655	655	*700	628	600	2,090	8,500	3,140	1,140	685	628
27	860	655	655	*675	628	578	2,160	8,500	2,960	1,090	685	600
28	822	685	655	*650	628	600	2,630	8,160	2,800	1,140	685	600
29	822	685	655	*625	-	600	2,630	7,820	2,800	1,140	685	600
30	822	655	625	*625	-	628	2,800	7,820	2,800	1,090	685	600
31	822	-	600	*625	-	600	-	8,500	-	945	715	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	22,012	902	600	710	0.351	0.40	43,660
November	22,108	860	655	737	.365	.41	43,850
December	19,468	725	475	628	.311	.36	38,610
Calendar year 1934	559,003	7,480	555	1,532	.758	10.30	1,109,000
January	18,425	750	450	594	.294	.34	36,550
February	17,982	685	600	642	.318	.33	35,670
March	19,474	715	578	628	.311	.36	38,630
April	45,583	2,960	578	1,519	.752	.84	90,410
May	163,270	9,220	2,470	5,267	2.61	3.01	323,800
June	177,930	9,220	2,800	5,931	2.94	3.28	352,900
July	48,035	2,630	945	1,550	.767	.88	95,280
August	24,241	945	685	782	.387	.45	48,080
September	18,948	685	600	632	.313	.35	37,580
Water year 1934-35	597,476	9,220	460	1,637	.810	11.01	1,185,000

*Estimated.

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 1935.

Extremes.- Maximum discharge during year, 1,540 second-feet about May 24 (gage height, 3.85 feet); minimum recorded discharge, 73 second-feet Apr. 6.
1921-35: 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 estimated, which are fair. No regulation or diversions above station.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*78	145					*75	*400	*1,350	335	122	90
2	*78	160					*75	*400	*1,250	312	122	90
3	*78	129					*75	*420	*1,150	294	119	92
4	*78	127					*76	*490	1,120	281	114	90
5	*78	140					78	*600	1,160	*280	112	88
6	*78	154					82	*700	1,200	*275	112	88
7	*78	151					84	*740	1,200	*265	110	88
8	*78	142					88	*780	1,200	*250	108	88
9	*78	142					90	*800	1,160	*230	105	88
10	*77	132					94	*820	1,080	*220	101	88
11	76	124					98	*800	1,000	*210	98	84
12	74	124					105	*780	1,000	*200	98	82
13	74	127					114	*750	1,040	*195	98	82
14	74	124					137	*720	897	*190	96	82
15	78	124					154	*780	876	*185	94	86
16	80	119					*170	*940	777	*175	94	88
17	82	124					*160	*900	706	*170	94	86
18	90	137					*170	*800	650	*165	*95	84
19	96	132					*190	*800	607	*160	*95	82
20	90	124					*230	*880	589	*155	*95	80
21	103	124					*300	*980	542	*155	*94	80
22	181	119					*270	*1,160	514	*150	*92	78
23	135	127					*250	*1,450	480	*145	*92	80
24	119	108					*230	*1,500	447	*145	*90	80
25	154	110					*240	*1,500	415	*145	*88	82
26	148	*100					*290	*1,350	384	*140	*88	82
27	137	*100					*330	*1,300	369	*135	*88	84
28	132	*100					*340	*1,200	350	*130	*87	84
29	124	* 95					*370	*1,200	374	*125	86	84
30	124	* 90					*390	*1,250	379	122	86	84
31	135	-					-	*1,350	-	122	88	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	3,085	181	74	99.5	0.553	0.64	6,120
November	3,754	160	90	125	.694	.77	7,450
December	2,635	-	-	*85	.472	.54	5,230
Calendar year 1934	86,378	1,400	-	237	1.32	17.85	171,300
January	2,480	-	-	*80	.444	.51	4,920
February	2,100	-	-	*75	.417	.43	4,170
March	2,325	-	-	*75	.417	.48	4,610
April	5,355	390	75	178	.989	1.10	10,260
May	28,540	1,500	400	921	5.12	5.90	56,610
June	24,266	1,350	350	809	4.49	5.01	48,130
July	6,061	335	122	196	1.09	1.26	12,020
August	3,061	122	86	98.7	.548	.63	6,070
September	2,544	92	78	84.8	.471	.53	5,050
Water year 1934-35	86,206	1,500	-	236	1.31	17.80	170,600

*Estimated.

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 1935.

Extremes.- Maximum discharge observed during year, 878 second-feet May 23 (gage height, 3.70 feet); minimum recorded discharge, 28 second-feet Sept. 8, 13 (gage height, 1.22 feet). A smaller discharge may have occurred during winter.
1928-35: Maximum discharge, 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 interpolated or estimated for other dates. No diversions above station. Stage-discharge relation affected by ice December to February, Mar. 6-10.

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

1.2	26	2.6	338
1.4	44	2.8	420
1.6	69	3.0	509
1.8	101	3.2	605
2.0	144	3.4	709
2.2	199	3.6	820
2.4	264	3.8	938

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*29	81				*35	42	231	656	144	61	32
2	29	*75				36	*43	*248	656	*141	*49	*32
3	29	69				36	44	*266	605	*138	*48	32
4	*29	72				34	46	*283	556	135	46	*31
5	*30	*70				*35	*43	300	630	121	45	*30
6	*30	69				*35	40	*313	*630	*117	44	29
7	30	*64				*35	44	*325	630	113	*44	*28
8	38	*59				*35	*46	338	605	113	43	28
9	*36	54				*35	*49	*338	605	*113	42	*28
10	34	*50				*35	51	338	*580	113	*41	29
11	*32	*46				*40	*56	*325	556	98	*40	30
12	29	*44				44	61	*313	*540	*91	39	*29
13	29	42				*43	91	300	*525	84	*38	28
14	29	46				*43	94	*300	509	81	38	*30
15	*29	*46				42	*106	300	*470	*80	*38	49
16	29	46				*42	117	338	*420	78	39	*35
17	*30	*45				42	*124	442	*380	69	*38	32
18	31	44				*42	132	*410	*340	72	37	34
19	*32	*44				42	*151	378	300	*71	*36	34
20	34	44				*43	170	*517	*282	*69	36	*32
21	*59	*44				*44	*217	656	264	68	35	29
22	84	44				*45	264	709	248	*64	*34	29
23	44	*43				46	*217	878	248	59	34	30
24	*60	42				48	170	764	231	*58	*34	29
25	75	42				*46	199	*719	*200	56	34	*30
26	*62	*42				*44	187	675	170	59	*34	31
27	48	42				42	187	630	*170	*55	33	*30
28	44	*42				*42	*201	*643	170	51	*33	29
29	*44	42				42	215	656	199	*52	33	29
30	44	*40				43	*223	605	170	52	*32	*29
31	*62	-				*42	-	*630	-	*52	32	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	1,244	84	29	40.1	0.436	0.50	2,470
November	1,533	81	40	51.1	.555	.62	3,040
December	1,240	-	-	*40	.435	.50	2,460
Calendar year 1934	36,565	593	-	100	1.09	14.78	72,520
January	1,085	-	-	*35	.380	.44	2,150
February	980	-	-	*35	.380	.40	1,940
March	1,258	48	34	40.6	.441	.51	2,500
April	3,630	264	40	121	1.32	1.47	7,200
May	14,168	878	231	457	4.97	5.73	28,100
June	12,545	656	170	418	4.54	5.06	24,880
July	2,667	144	51	86	.935	1.08	5,290
August	1,200	51	32	38.7	.421	.49	2,380
September	927	49	28	30.9	.336	.37	1,840
Water year 1934-35	42,477	878	-	116	1.26	17.17	84,260

*Estimated or 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 1935.

Extremes.- Maximum discharge observed during year, 9,320 second-feet May 23, 24 (gage height, 9.60 feet); minimum discharge, 220 second-feet Jan. 20 (gage height, 2.45 feet).

1931-35: Maximum discharge, 20,000 second-feet June 9, 1933 (gage height, 13.16 feet); minimum, 200 second-feet (estimated) Dec. 9-15, 1932; minimum gage height, 2.40 feet Dec. 20, 21, 1932.

Remarks.- Records good.

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

2.4	210	4.0	920	5.6	2,450	7.2	4,760	8.8	7,690
2.8	310	4.4	1,240	6.0	2,950	7.6	5,450	9.2	8,490
3.2	450	4.8	1,600	6.4	3,500	8.0	6,170	9.6	9,320
3.6	655	5.2	2,000	6.8	4,110	8.4	6,920		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	358	572	450	375	430	430	450	2,950	8,690	2,570	655	430
2	340	655	375	340	430	410	450	2,690	7,890	2,330	655	410
3	340	600	450	392	410	410	472	2,570	7,300	2,220	628	392
4	340	572	495	430	410	430	472	2,820	7,300	2,110	600	392
5	340	600	410	545	430	430	520	3,360	7,690	2,000	600	375
6	340	655	375	520	472	375	495	3,650	7,690	1,900	600	375
7	340	655	358	495	450	392	495	4,110	7,690	1,900	572	375
8	358	628	358	495	450	430	600	4,110	7,690	1,800	572	375
9	358	628	375	472	430	375	715	4,270	7,300	1,600	545	375
10	358	600	295	375	375	392	655	4,590	6,730	1,600	520	375
11	340	572	280	472	358	410	748	4,590	6,540	1,510	520	358
12	340	545	358	430	450	410	850	4,430	6,540	1,330	495	358
13	340	520	495	430	472	430	1,080	4,110	6,540	1,330	495	358
14	340	545	545	430	450	572	1,420	4,110	5,810	1,240	495	340
15	558	545	572	430	375	600	1,700	4,110	5,270	1,160	472	392
16	375	545	430	450	340	545	2,000	4,590	4,590	1,160	472	392
17	375	545	450	430	430	520	1,800	5,100	4,270	1,080	472	375
18	392	600	450	410	472	472	1,600	4,930	4,110	1,000	472	375
19	450	600	450	392	450	410	1,800	4,430	4,110	1,000	472	375
20	430	572	472	255	430	472	2,220	4,760	3,950	920	472	358
21	520	545	495	268	450	450	3,500	5,810	3,650	885	472	358
22	920	520	572	495	450	450	3,360	7,110	3,650	885	450	358
23	600	545	472	520	450	450	2,570	9,110	3,500	885	430	358
24	572	520	450	472	410	495	2,220	9,110	3,220	850	430	358
25	715	495	450	472	340	520	2,110	8,290	2,950	850	410	358
26	685	495	450	410	392	472	2,330	7,890	2,690	815	410	340
27	572	495	450	410	472	450	2,690	8,090	2,690	780	410	340
28	545	495	430	410	450	495	2,690	7,490	2,570	780	410	340
29	545	495	450	410	-	520	2,820	7,490	2,570	780	410	340
30	520	450	430	410	-	495	3,080	7,490	2,690	748	410	340
31	545	-	375	410	-	495	-	8,690	-	685	410	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	13,951	920	340	450	0.388	0.45	27,670
November	16,809	655	450	560	.483	.54	33,340
December	13,467	572	280	434	.374	.43	26,710
Calendar year 1934	516,798	7,690	280	1,416	1.22	16.57	1,025,000
January	13,255	545	255	428	.369	.43	26,290
February	11,928	472	340	426	.367	.38	23,660
March	14,207	600	375	458	.395	.46	28,180
April	47,912	3,500	450	1,597	1.38	1.54	95,030
May	166,850	9,110	2,570	5,382	4.64	5.35	330,900
June	157,880	8,690	2,570	5,263	4.54	5.06	313,200
July	40,703	2,570	685	1,313	1.13	1.30	80,730
August	15,436	655	410	498	.429	.49	30,620
September	11,045	430	340	368	.317	.35	21,910
Water year 1934-35	523,443	9,110	255	1,434	1.24	16.78	1,038,000

East Fork of South Fork of Salmon River at Stibnite, Idaho

Location.- Water-stage recorder 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 1935.

Extremes.- Maximum discharge during year, 181 second-feet June 8 (gage height, 3.40 feet); minimum recorded discharge, 6 second-feet Nov. 21 (gage height, 1.88 feet).
1928-35: 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 estimated for Nov. 24 to Apr. 12, which are fair. 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, Apr. 13 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

1.9	6.5	2.4	31	3.0	107
2.0	10	2.6	50	3.2	142
2.2	18.5	2.8	76	3.3	161

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	9	10					8	23	116	43	15	15
2	9	9					8	23	114	39	14	15
3	9	9					8	24	110	37	14	13
4	9	8					8	27	114	33	14	12
5	9	10					8	30	119	30	13	12
6	8	10					8	33	148	32	13	12
7	e	9					8	35	155	31	12	12
8	e	9					8	37	155	30	13	12
9	e	9					9	41	135	32	12	11
10	8	e					9	45	126	29	12	10
11	8	9					9	45	121	28	12	10
12	8	e					10	44	124	26	12	10
13	8	8					10	42	117	25	11	10
14	9	8					10	43	109	21	12	10
15	8	8					14	46	101	20	12	11
16	8	8					14	50	93	20	12	9
17	8	8					13	55	85	20	11	9
18	10	8					13	47	80	18	11	9
19	10	8					14	46	78	18	11	9
20	9	8					17	51	72	18	11	9
21	12	8					23	61	69	18	11	9
22	12	e					19	80	61	19	11	9
23	9	8					17	102	57	18	11	9
24	10	8					17	105	52	18	10	9
25	11	8					16	104	51	18	10	10
26	10	e					21	104	49	18	10	9
27	9	e					22	102	46	17	10	9
28	9	e					23	102	44	17	11	9
29	9	8					24	102	54	17	13	9
30	9	8					25	104	49	17	13	9
31	10	-					-	116	-	16	15	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	281	12	8	9.1	0.467	0.54	557
November	252	10	8	8.4	.431	.46	500
December	248	-	-	*8.0	.410	.47	492
Calendar year 1934	7,774	117	-	21.3	1.09	14.84	15,420
January	248	-	-	*8.0	.410	.47	492
February	224	-	-	*8.0	.410	.43	444
March	248	-	-	*8.0	.410	.47	492
April	415	25	8	13.8	.708	.79	823
May	1,869	116	23	60.3	3.09	3.56	3,710
June	2,804	155	44	93.5	4.79	5.34	5,560
July	743	43	16	24.0	1.23	1.42	1,470
August	372	15	10	12.0	.615	.71	738
September	311	15	9	10.4	.533	.59	617
Water year 1934-35	8,015	155	-	22.0	1.13	15.27	15,900

*Estimated.

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 1935.

Extremes.- Maximum discharge observed during year, 341 second-feet May 26, 29, 30; maximum gage height, 2.30 feet May 29; minimum discharge, 12 second-feet Feb. 5, 9, 19, 24, Mar. 10, 11, 14, 16-27, Apr. 1-3, 5, 6.

1928-35: Maximum recorded discharge, 783 second-feet June 15, 1933 (gage height, 3.51 feet); minimum, 10 second-feet Apr. 7, 1929.

Remarks.- Records good except those for discharges below 25 second-feet and those estimated for May 14-16, Aug. 1-10, which are fair. A 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 1934-35 (gage height, in feet, and discharge, in second-feet)

0.4	12	1.0	58.5	1.6	153	2.2	311
.6	23	1.2	82.5	1.8	201	2.3	341
.8	38.5	1.4	113	2.0	254		

Discharge, 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	18	18	16	16	13	12	56	326	94	37	22
2	16	18	16	18	15	14	12	58	254	88	35	22
3	16	18	17	18	13	13	12	61	254	85	34	23
4	16	19	17	16	14	14	12	70	240	75	33	22
5	17	18	18	16	12	16	12	71	254	72	31	23
6	17	19	18	16	14	15	12	67	268	72	30	22
7	16	19	17	16	14	14	12	79	282	70	30	23
8	16	19	16	16	15	13	13	91	282	68	29	22
9	16	19	16	16	12	14	15	100	296	68	28	22
10	16	19	17	16	16	12	17	113	268	65	27	22
11	17	19	18	16	16	12	18	124	240	63	26	22
12	18	19	18	16	14	14	19	132	240	61	26	22
13	18	19	16	16	14	15	21	132	254	58	26	22
14	18	19	16	16	13	12	22	128	240	56	26	22
15	19	18	18	17	14	13	23	132	214	53	25	22
16	16	18	17	18	16	12	21	142	188	52	26	21
17	16	18	16	15	13	12	27	143	176	50	26	21
18	16	18	16	14	13	12	33	176	164	48	24	20
19	18	18	18	18	12	12	37	164	153	44	24	19
20	20	18	18	16	14	12	38	164	153	42	24	19
21	21	18	16	15	15	12	32	176	153	40	24	20
22	21	19	16	16	16	12	30	188	142	42	23	17
23	20	19	16	14	14	12	30	188	132	42	24	18
24	21	19	16	16	12	12	35	311	128	41	23	18
25	19	18	17	16	13	12	37	326	121	41	23	19
26	21	18	20	16	14	12	38	341	117	40	23	18
27	20	16	20	14	15	12	42	326	117	38	22	18
28	18	18	16	14	14	13	46	326	113	41	23	18
29	18	16	16	14	-	14	52	341	103	40	22	17
30	19	18	16	14	-	12	50	341	100	39	22	17
31	19	-	16	14	-	12	-	326	-	38	22	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	555	21	16	17.9	0.421	0.49	1,100
November	549	19	16	18.3	.431	.48	1,090
December	526	20	16	17.0	.400	.46	1,040
Calendar year 1934	17,420	260	16	47.7	1.12	15.25	34,550
January	489	18	14	15.8	.372	.43	970
February	393	16	12	14.0	.329	.34	780
March	399	16	12	12.9	.304	.35	791
April	780	52	12	26.0	.612	.68	1,550
May	5,393	341	56	174	4.09	4.72	10,700
June	5,972	326	100	199	4.68	5.22	11,850
July	1,726	94	38	55.7	1.31	1.51	3,420
August	818	37	22	26.4	.621	.72	1,620
September	613	23	17	20.4	.480	.54	1,220
Water year 1934-35	18,213	341	12	49.9	1.17	15.94	36,130

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 above Quartz Creek, 2 miles below Profile Creek, 2.8 miles above mouth of Johnson Creek, and 1½ miles east of Yellow Pine.

Drainage area.- 104 square miles.

Records available.- August 1928 to September 1935.

Extremes.- Maximum discharge during year, 940 second-feet May 23, 24 (gage height, 3.58 feet); minimum discharge (estimated), 35 second-feet Feb. 1-28. A smaller discharge may have occurred during winter.

1928-35: Maximum discharge, 2,050 second-feet June 14, 1933 (gage height, 5.26 feet); minimum, 26 second-feet Oct. 30, 1929.

Remarks.- Records good except those estimated for Nov. 30 to Apr. 13, Apr. 15-19, which are fair. Operation of Yellow Pine Co.'s power plant on this stream and of small auxiliary storage reservoir on South Fork of Meadow Creek probably has slight effect upon flow.

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

1.2	27	1.8	110	2.4	280	3.0	540	3.6	940
1.4	46	2.0	157	2.6	352	3.2	665	3.8	1,090
1.6	74	2.2	215	2.8	436	3.4	800		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	42	56					45	200	717	254	89	60
2	42	55					45	179	717	234	88	59
3	42	51					45	177	672	221	86	58
4	42	50					50	191	684	218	81	56
5	42	55					50	234	588	206	81	55
6	42	60					50	257	717	203	77	55
7	42	58					50	270	807	194	76	55
8	43	59					55	273	698	182	76	54
9	39	58					55	290	807	177	72	54
10	38	55					55	308	710	171	70	51
11	38	52					60	308	698	163	70	51
12	37	52					60	304	684	152	70	50
13	40	52					70	301	626	147	66	51
14	42	52					81	301	529	137	65	52
15	45	51					110	308	465	132	68	59
16	44	50					130	326	436	130	68	52
17	42	51					116	348	384	128	66	51
18	47	52					115	326	360	125	66	50
19	54	50					125	301	348	123	65	50
20	46	49					163	334	334	119	64	50
21	58	47					225	427	315	114	62	49
22	68	46					194	570	301	114	60	49
23	47	46					154	821	290	112	59	49
24	50	45					134	849	280	110	60	49
25	58	45					132	698	270	110	59	49
26	55	44					163	626	264	106	58	47
27	52	45					197	582	260	100	58	47
28	51	45					197	582	264	97	56	47
29	50	42					203	588	294	97	58	47
30	50	40					218	564	277	95	58	46
31	52	-					-	613	-	91	62	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	1,440	68	37	46.5	0.447	0.52	2,860
November	1,513	60	40	50.4	.485	.54	3,000
December	1,240	-	-	*40.0	.385	.44	2,460
Calendar year 1934	40,874	691	-	134	1.29	17.46	96,930
January	1,240	-	-	*40.0	.385	.44	2,460
February	980	-	-	*35.0	.337	.35	1,940
March	1,240	-	-	*40.0	.385	.44	2,460
April	3,348	225	45	112	1.08	1.20	6,640
May	12,456	849	177	402	3.87	4.46	24,710
June	14,816	807	260	494	4.75	5.30	29,390
July	4,562	254	91	147	1.41	1.63	9,050
August	2,114	89	56	68.2	.656	.76	4,190
September	1,552	60	46	51.7	.497	.55	3,080
Water year 1934-35	46,499	849	-	127	1.22	16.63	92,240

*Estimated.

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 1935.

Extremes.- Maximum discharge during year, 2,420 second-feet May 23 (gage height, 5.07 feet); minimum, 30 second-feet Feb. 25 (gage height, 0.85 foot).
1928-35: 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.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	52	101	80	60	60	68	66	499	1,970	473	109	66
2	52	107	60	63	60	64	70	483	1,760	414	107	64
3	52	95	77	60	58	66	71	478	1,630	377	105	63
4	52	92	80	71	61	64	75	547	1,630	364	103	61
5	52	101	66	77	68	64	73	677	1,760	342	101	60
6	50	111	63	73	68	58	71	783	1,800	334	97	60
7	50	109	51	73	66	70	71	855	1,760	322	95	60
8	55	105	56	71	66	66	82	885	1,760	294	94	60
9	55	103	55	66	58	63	82	945	1,670	275	90	58
10	52	99	52	58	56	61	80	1,040	1,510	257	88	56
11	50	95	52	73	56	66	90	1,010	1,470	241	84	55
12	47	94	60	68	68	64	105	978	1,470	231	84	53
13	47	95	64	66	68	70	122	945	1,400	219	82	53
14	50	95	77	64	66	84	136	945	1,250	207	80	53
15	53	94	71	68	53	82	187	978	1,110	195	79	66
16	56	92	63	66	58	79	219	1,080	978	187	79	66
17	58	92	71	63	64	75	190	1,180	885	181	79	60
18	64	99	68	61	68	75	193	1,040	855	173	79	60
19	77	99	70	60	64	71	210	978	825	165	79	58
20	68	94	71	58	64	82	268	1,180	813	160	77	58
21	82	88	75	58	68	77	419	1,470	747	155	75	56
22	138	90	73	73	68	73	377	1,760	718	150	73	56
23	103	92	71	70	66	70	334	2,100	694	145	70	55
24	88	77	71	71	60	71	301	2,100	620	138	70	55
25	105	86	71	66	47	73	313	1,970	564	136	68	53
26	103	79	71	66	63	68	377	1,880	520	136	66	55
27	97	84	71	64	66	66	453	1,800	494	126	66	55
28	94	80	66	64	70	68	463	1,710	468	120	66	55
29	88	79	70	61	-	73	504	1,710	564	116	64	55
30	84	66	66	64	-	68	542	1,760	542	116	64	55
31	90	-	58	63	-	73	-	2,020	-	111	66	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	2,164	138	47	69.8	0.328	0.38	4,290
November	2,793	111	66	93.1	.437	.49	5,540
December	2,082	80	52	67.2	.315	.36	4,130
Calendar year 1934	101,805	1,840	42	279	1.31	17.78	201,900
January	2,039	77	58	65.8	.309	.36	4,040
February	1,758	70	47	62.8	.295	.31	3,490
March	2,172	84	58	70.1	.329	.38	4,310
April	6,544	542	66	218	1.02	1.14	12,980
May	37,786	2,100	478	1,219	5.72	6.60	74,950
June	34,237	1,970	468	1,141	5.36	5.98	67,910
July	6,862	473	111	221	1.04	1.20	13,610
August	2,539	109	64	81.9	.385	.44	5,040
September	1,740	66	53	58.0	.272	.30	3,450
Water year 1934-35	102,716	2,100	47	281	1.32	17.94	203,700

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 by general adjustment of 1929.

Records available.- February 1918 to June 1923, October 1925 to September 1935. Comparable records at Hilgard, 4 miles upstream, November 1903 to September 1915.

Average discharge.- 21 years (1905-9, 1910-11, 1912-15, 1918-20, 1921-22, 1925-35), 354 second-feet.

Extremes.- Maximum discharge during year, 3,150 second-feet Apr. 16 (gage height, 5.59 feet); minimum, 6 second-feet Sept. 6 (gage height, 1.07 feet).
1903-15, 1918-23, 1925-35: 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 Dec. 2-4, and those estimated, which are fair. Stage-discharge relation affected by ice Dec. 7-17, Jan. 3, 4, 9, 10, 13-15, 18-31, Feb. 1-8. Some small irrigation diversions above station. Records furnished by State engineer.

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

Table for Oct. 1 to Apr. 15

1.2	11	2.6	385
1.4	28	3.0	590
1.7	69	3.5	900
2.0	140	4.0	1,270
2.3	245	4.5	1,760

Table for Apr. 16 to Sept. 30

1.0	3	3.0	590
1.2	13	3.5	900
1.4	29	4.0	1,270
1.7	69	4.5	1,760
2.0	140	5.0	2,350
2.3	245	5.5	3,010
2.6	385		

Discharge, 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	36	39	129		194	584	1,080	395	91	15	8
2	17	37	42	121		213	470	970	350	77	15	9
3	17	37	52	*115		237	475	851	304	66	15	8
4	17	39	64	*110		213	425	804	281	59	15	7
5	17	46	49	126	*225	164	495	837	263	55	14	7
6	17	49	48	118		167	495	900	250	55	12	7
7	16	49		121		188	552	893	237	64	13	7
8	16	47		113		167	970	844	217	63	13	7
9	17	47		*110	213	132	879	817	198	61	11	7
10	17	44		*105	170	140	759	784	174	50	11	7
11	17	42		124	174	149	830	729	158	45	10	7
12	16	39	*53	113	188	174	1,000	657	161	41	9	7
13	17	38		*114	174	495	1,230	606	180	37	9	7
14	17	37		*115	146	747	1,270	579	164	32	8	8
15	20	37		*116	126	557	1,550	579	167	30	8	8
16	22	37		116	96	485	2,870	601	143	28	8	8
17	23	39		108	118	450	1,930	657	135	28	9	9
18	22	39	64		124	370	1,550	590	118	27	11	9
19	21	42	71		118	330	1,320	540	111	25	12	10
20	21	47	241		129	326	1,360	520	101	24	14	10
21	22	52	290		155	281	1,600	535	94	23	14	10
22	25		345		237	237	1,400	574	85	21	12	10
23	31		281	*92	237	258	1,270	579	79	21	9	10
24	66	*48	241		205	221	1,080	530	73	23	8	11
25	96		209		170	263	1,000	495	69	29	8	11
26	64		194		161	250	935	435	66	26	8	11
27	49	48	161		180	241	970	420	61	23	7	11
28	42	*54	126		180	268	935	390	59	19	7	11
29	38	59	152		-	675	935	375	77	18	7	11
30	36	49	146	130	-	851	1,040	500	101	17	8	11
31	35	-	140	150	-	711	-	445	-	16	8	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	867	96	16	28.0	1,720
November	1,330	59	36	44.3	2,640
December	3,538	345	39	114	7,020
Calendar year 1934	64,114	1,230	6	176	127,200
January	3,358	150	-	108	6,660
February	5,101	-	96	182	10,120
March	10,154	851	132	328	20,140
April	32,179	2,870	425	1,070	63,830
May	20,116	1,080	375	649	39,900
June	4,871	395	59	162	9,660
July	1,194	91	16	38.5	2,370
August	326	15	7	10.6	651
September	264	11	7	8.8	524
Water year 1934-35	83,300	2,870	7	228	165,200

*Estimated.

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.

Records available.- October 1926 to September 1935.

Extremes.- Maximum discharge during year, 8,470 second-feet Apr. 16 (gage height, 5.78 feet); minimum, 304 second-feet Sept. 12-16 (gage height, 0.85 foot).
1926-35: Maximum discharge, 22,400 second-feet Mar. 18, 1932 (gage height, 9.30 feet); minimum, 250 second-feet Aug. 17, 1931.

Remarks.- Records excellent except those estimated because of ice, Jan. 20-22, which are poor. Many irrigation diversions above station. Flow regulated by storage in Wallowa and Minam Lakes.

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

0.7	248	1.3	570	2.2	1,390	3.5	3,230	5.0	6,140
.9	325	1.6	810	2.6	1,670	4.0	4,110	6.0	9,140
1.1	430	1.9	1,080	3.0	2,430	4.5	5,060		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	385	610	762	846	1,290	1,100	2,140	4,380	4,960	1,560	443	350
2	391	682	714	746	1,280	1,120	1,870	4,200	4,380	1,370	424	345
3	396	662	722	730	1,290	1,170	1,740	4,020	4,110	1,280	402	335
4	402	662	722	882	1,290	1,160	1,680	4,020	4,020	1,270	385	317
5	396	722	690	909	1,290	1,080	1,620	4,200	4,110	1,270	391	317
6	396	730	650	981	1,280	999	1,560	4,380	4,380	1,300	385	317
7	396	714	634	1,250	1,230	1,040	1,620	4,480	4,380	1,430	374	317
8	402	714	616	1,220	1,170	1,030	2,070	4,380	4,290	1,310	359	312
9	402	722	540	1,100	1,080	936	2,430	4,480	3,930	1,230	350	317
10	391	698	602	900	1,030	927	2,430	4,480	3,570	1,180	340	312
11	391	682	586	972	1,020	918	2,430	4,290	3,480	1,110	335	312
12	391	682	602	900	1,010	981	2,660	4,020	3,480	1,060	345	308
13	396	666	666	846	990	1,490	3,320	3,930	3,320	1,020	330	304
14	413	658	714	846	954	2,070	3,660	3,840	3,230	963	325	308
15	419	658	714	855	918	2,210	5,040	3,930	2,820	927	335	304
16	419	666	698	846	846	2,000	7,680	4,020	2,500	909	340	308
17	413	690	722	810	846	1,870	6,140	4,200	2,280	855	335	330
18	424	738	722	730	846	1,680	5,580	3,840	2,210	754	354	350
19	430	754	746	674	855	1,560	5,260	3,660	2,210	682	369	340
20	436	746	1,870	450	873	1,480	5,360	3,750	2,210	618	374	345
21	450	762	2,140	500	963	1,400	5,910	4,290	2,070	562	359	335
22	469	754	2,210	650	1,170	1,280	5,470	4,860	2,070	532	354	330
23	525	730	1,870	682	1,240	1,240	5,260	5,260	2,140	488	350	321
24	786	722	1,680	714	1,190	1,210	4,760	4,960	1,870	525	340	321
25	778	770	1,460	770	1,090	1,230	4,480	4,670	1,680	525	340	330
26	682	770	1,360	828	1,040	1,230	4,380	4,480	1,620	518	340	330
27	642	802	1,240	873	1,040	1,200	4,380	4,290	1,560	502	340	325
28	602	762	1,100	927	1,050	1,230	4,290	4,290	1,560	469	335	321
29	586	794	1,040	1,010	-	1,620	4,380	4,200	1,740	462	335	317
30	562	794	972	1,110	-	2,070	4,480	4,480	1,680	456	345	321
31	562	-	909	1,250	-	2,280	-	5,160	-	436	345	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	14,733	786	385	475	29,220
November	21,656	802	610	719	42,760
December	30,675	2,210	540	990	60,840
Calendar year 1934	522,089	4,580	300	1,430	1,036,000
January	26,807	1,250	450	865	53,170
February	30,171	1,290	846	1,078	59,840
March	42,811	2,280	918	1,381	84,910
April	114,080	7,680	1,560	3,803	226,300
May	133,440	5,260	3,660	4,305	264,700
June	87,860	4,960	1,560	2,929	174,300
July	27,573	1,560	436	889	54,690
August	11,078	443	325	357	21,970
September	9,699	350	304	323	19,240
Water year 1934-35	550,483	7,680	304	1,508	1,092,000

Meadow Creek near Starkey, Oreg.

Location.- Water-stage recorder, lat. 45° 16', long. 118°23', in SW¼ sec. 25, T. 3 S., R. 35 E., just above Dark Canyon Creek and 4 miles northeast of Starkey.

Records available.- October 1931 to September 1935 (discontinued).

Extremes.- Maximum discharge during year, 910 second-feet Apr. 16 (gage height, 4.90 feet); minimum, 0.8 second-foot Aug. 10-15.
1931-35: Maximum discharge, 2,300 second-feet Mar. 19, 1934 (gage height, 7.04 feet); minimum, that of Aug. 10-15, 1935.

Remarks.- Records fair except those estimated, which are poor. Discharge estimated by comparison with records of Grande Ronde River at La Grande for periods when stage was affected by ice or no gage-height record was obtained. Small diversions for irrigation above station. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	3.2	5.4		28	*51	52	195	165	13		1.0	1.2
2	3.3	5.6		26	*53	58	*150	144	11		1.1	1.2
3	4.0	5.6		31	*54	64	*150	125	10		1.1	1.2
4	3.8	6.4	*12	*25	*56	53	*130	112	9.6		1.0	1.2
5	3.6	7.7		*30	*57	38	*160	104	8.7		1.0	1.2
6	3.5	7.5		35	*57	48	*160	93	8.3		1.1	1.3
7	3.5	7.1		39	*56	47	*180	88	7.7		1.1	1.3
8	3.5	6.9	13	31	*55	41	*350	77	7.1		1.0	1.3
9	3.3	6.9	11	27	51	28	*300	69	7.1		.9	1.3
10	3.3	6.5	11	27	40	34	*275	61	6.9		.8	1.3
11	3.3	6.4	11	40	41	40	*290	54	6.7		.8	1.3
12	3.3	6.2	12	38	44	66	*300	49	7.7		.8	1.4
13	3.5	6.2	13	*38	40	185	*350	44	9.1		.8	1.5
14	3.5	6.2	12	*38	36	225	406	40	9.8	*3.0	.8	1.6
15	4.1	6.2	12	38	30	169	510	36	10		.8	1.6
16	4.5	6.4	*12	38	27	150	810	34	8.5		.9	
17	4.1	6.5	*11	38	35	128	560	38	7.5		1.1	
18	4.0	7.1	11	*37	33	107	429	32	7.1		1.2	
19	4.0	7.1	12	*33	31	105	363	27	6.7		1.4	
20	4.0	7.1	19	*25	34	99	355	24	6.2		1.5	
21	4.1	7.7	37	*25	41	88	438	22	5.6		1.3	
22	5.4	7.5	61	*27	60	68	347	19	5.0		1.1	
23	6.0	7.3	53	*29	53	77	319	16	4.1		1.2	*2.0
24	15	7.5	52	*33	50	69	260	15	4.3		1.2	
25	10	8.3	49	*35	41	99	230	15	4.3		1.1	
26	7.3	8.9	45	*36	44	84	220	14	4.1		1.2	
27	6.4	8.9	43	*38	45	79	202	13	4.1	1.1	1.4	
28	5.8	8.9	57	*39	44	94	176	12	3.8	1.1	1.3	
29	5.4	10	54	*40	-	270	162	12	6.2	1.0	1.3	
30	5.4	*9.0	47	*42	-	284	173	17	6.9	1.0	1.3	
31	5.4	-	38	*46	-	225	-	16	-	.9	1.2	

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	149.5	15	3.2	4.82	297
November	215.0	10	5.4	7.17	426
December	780	61	-	25.2	1,550
Calendar year 1934	13,190.6	388	1.1	36.1	26,180
January	1,052	46	25	33.9	2,090
February	1,259	60	27	45.0	2,500
March	3,174	284	28	102	6,300
April	8,950	810	130	298	17,750
May	1,592	165	12	51.4	3,160
June	217.1	13	3.8	7.24	431
July	83.1	-	.9	2.68	165
August	33.8	1.5	.8	1.09	67
September	49.9	-	1.2	1.66	99
Water year 1934-35	17,555.4	810	.8	48.1	34,840

*Estimated.

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 1935.

Average discharge.- 12 years (1911-12, 1918-19, 1925-35), 119 second-feet.

Extremes.- Maximum discharge observed during year, 680 second-feet Apr. 15, May 22 (gage height, 2.50 feet); minimum, 18 second-feet Sept. 12, 14, 23, 27, 29, 30. 1906-7, 1911-12, 1915, 1918-19, 1925-35: Maximum discharge, 1,240 second-feet May 21, 1912, and June 3 or 4, 1933; minimum, 4 second-feet Nov. 26, 27, 1930.

Remarks.- Records good except those estimated, which are fair. Stage-discharge relation affected by ice Dec. 6-13, Dec. 27 to Jan. 5, Jan. 9-29, Feb. 9-12, 26, Mar. 5, 9, 10, 21-23. A few small diversions for irrigation above station. Records furnished by State engineer.

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

Table for Oct. 1 to Apr. 14

0.4	16	1.0	95	1.6	265
.6	32	1.2	140	1.8	338
.8	59	1.4	197	2.0	415

Table for Apr. 15 to Sept. 30

0.3	12	1.0	95	1.8	346
.4	16	1.2	140	2.0	435
.6	32	1.4	197	2.2	530
.8	59	1.6	266	2.5	680

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	19	42	36		46	38	71	390	435	91	33	21
2	23	34	37		47	37	68	326	390	87	30	20
3	22	37	39	*38	50	37	64	326	326	82	29	20
4	21	37	37		53	38	64	326	326	80	29	20
5	20	36	37		56	*35	66	412	368	76	28	19
6	19	44		37	53	36	66	480	346	73	29	20
7	25	43		34	53	39	61	458	346	73	26	20
8	24	50		33	50	37	71	458	346	66	26	20
9	20	46			*45	*36	74	480	305	64	27	19
10	20	43	*32		*42	*33	76	458	305	62	26	19
11	20	42			*50	31	91	412	266	59	26	19
12	21	39		*34	*44	31	110	412	248	54	27	18
13	22	37			40	73	357	435	230	53	26	19
14	22	37	40		39	93	248	412	214	50	25	18
15	23	36	37		39	93	458	412	214	47	25	20
16	22	37	32		37	91	530	435	185	48	25	20
17	20	44	36		40	84	390	458	167	48	26	20
18	20	42	36	*30	34	76	346	390	159	46	28	20
19	20	43	36		33	69	326	390	151	43	28	20
20	20	42	58		32	56	412	346	148	44	27	20
21	20	43	53		36	*52	505	480	138	40	23	19
22	25	42	52		40	*50	412	580	133	38	22	19
23	25	39	50	*29	40	*51	346	630	130	39	23	18
24	54	39	47		39	54	305	530	116	42	24	20
26	39	39	36		28	52	230	505	108	38	22	19
26	34	39	36	35	*30	47	368	480	106	37	22	20
27	33	38		35	42	*45	412	435	101	36	22	18
28	31	37		36	40	44	368	435	99	38	22	19
29	33	38	*37	37	-	71	435	435	89	33	21	18
30	33	36		39	-	66	458	435	112	32	21	18
31	36	-		44	-	73	-	530	-	31	21	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	786	54	19	25.4	1,560
November	1,201	50	34	40.0	2,380
December	1,176	58	-	37.9	2,330
Calendar year 1934	27,280	338	15	74.7	54,110
January	1,053	-	-	34.0	2,090
February	1,178	56	28	42.1	2,340
March	1,668	93	31	53.8	3,310
April	7,788	530	61	260	15,450
May	13,691	630	326	442	27,160
June	6,607	435	89	220	13,100
July	1,650	91	31	53.2	3,270
August	789	33	21	25.5	1,560
September	580	21	18	19.3	1,150
Water year 1934-35	38,167	630	18	105	75,700

*Estimated.

East Fork of Wallowa River near Joseph, Oreg.

Location.- Staff gage, lat. 45°16'10", long, 117°13', in SE¼ 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 1935.

Average discharge.- 11 years, 11.9 second-feet.

Extremes.- Maximum discharge during year, 45 second-feet June 12 (gage height, 1.46 feet); minimum, 0.2 second-foot Mar. 3.
1924-35: Maximum discharge, 203 second-feet June 26, 1927 (gage height, 2.20 feet); minimum, 0.1 second-foot Dec. 7, 1929.

Remarks.- Records good for October, November, May to September; poor December to April. Practically entire low-water flow diverted 1 mile upstream for power use. Gage readings furnished by Inland Power & Light Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	4.3	5.9	3.9	*2.1	1.5	0.8	*1.0	5.0	33	30	9.9	5.6
2	3.9	4.6	*3.8	*2.1	1.3	1.1	*1.0	5.0	33	29	8.7	4.7
3	4.9	5.6	*3.7	2.1	2.3	.7	*1.0	4.7	33	27	6.6	4.7
4	4.3	5.6	3.6	1.9	1.1	.7	*1.0	4.7	33	26	9.5	4.7
5	4.1	6.2	*3.3	2.3	1.1	*.7	1.1	6.6	34	27	8.0	4.7
6	3.9	5.6	3.0	3.0	.8	*.7	1.1	7.3	38	26	6.0	4.4
7	5.3	5.3	3.0	2.3	1.0	*.6	1.5	7.6	38	26	7.6	*5.4
8	4.1	5.6	3.0	2.3	1.3	*.6	1.3	6.6	37	24	7.6	4.7
9	4.1	4.9	*2.5	*2.0	*1.2	*.7	.5	9.5	37	23	7.0	4.1
10	4.1	5.9	*2.1	*1.8	*1.2	*.8	1.1	8.7	40	23	7.0	4.1
11	3.9	5.6	1.8	*1.9	1.1	*.9	1.5	8.4	39	22	*8.7	3.8
12	3.9	4.9	2.3	*2.0	*1.0	1.1	1.9	9.5	42	20	6.6	3.8
13	4.1	5.3	2.1	*2.1	*1.0	3.4	3.0	9.1	40	20	6.6	4.1
14	3.4	4.9	1.9	*2.2	.8	2.3	3.0	8.7	40	21	6.6	*5.2
15	3.9	4.9	3.0	*2.3	*.8	2.1	10	10	37	20	6.6	4.1
16	3.4	4.3	*2.5	2.3	*.8	1.9	8.0	16	39	22	6.6	3.4
17	4.1	4.9	1.9	*2.1	*.8	*1.0	4.4	16	38	21	6.3	3.1
18	4.1	*5.6	1.9	*2.0	.8	*1.0	4.4	12	37	20	7.0	3.4
19	4.1	3.9	3.0	*1.0	1.0	1.0	4.4	12	*35	20	6.6	3.6
20	3.9	4.6	3.0	*.4	1.1	*1.0	4.1	13	34	18	6.6	3.6
21	13	3.4	3.2	*.5	1.3	*.9	8.4	17	32	18	6.0	*3.7
22	8.0	4.1	4.3	.8	.8	*.9	5.0	17	33	17	6.0	3.8
23	4.3	3.9	4.9	1.1	.8	*.9	4.7	20	33	16	5.6	3.1
24	7.5	3.4	*3.3	2.3	*.8	*.8	4.7	22	33	16	5.3	3.1
25	6.9	4.1	*3.0	1.9	*.8	.8	4.4	22	32	15	6.3	3.6
26	5.6	3.0	3.0	1.5	*.8	*.7	4.7	24	33	15	5.6	3.1
27	5.3	2.1	2.3	2.1	*.8	*.3	5.6	23	33	12	4.1	3.1
28	4.9	*3.0	*2.3	1.5	.8	.3	6.0	26	33	12	4.1	3.1
29	3.9	*4.0	*2.3	1.1	-	1.1	6.0	24	41	11	4.1	*5.1
30	4.6	3.9	*2.2	1.3	-	1.0	7.0	37	37	10	5.3	3.1
31	5.6	-	*2.2	1.5	-	1.0	-	34	-	9.5	*5.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	151.4	13	3.4	4.88	300
November	139.0	6.2	2.1	4.63	276
December	68.3	4.9	1.8	2.85	175
Calendar year 1934	3,238.3	71	1.8	8.87	6,420
January	55.8	3.0	.4	1.80	111
February	28.9	2.3	.8	1.03	57
March	31.8	3.4	.3	1.03	63
April	111.8	10	.5	3.73	222
May	446.4	37	4.7	14.4	885
June	1,077	42	32	35.9	2,140
July	616.5	30	9.5	19.9	1,220
August	203.6	9.9	4.1	6.57	404
September	120.0	5.6	3.1	4.00	238
Water year 1934-35	3,070.5	42	.3	8.41	6,090

*Estimated.

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 1935.

Average discharge.- 11 years, 7.23 second-feet.

Extremes.- Maximum discharge during year, 12 second-feet at times during December, January, February (gage height, 0.82 foot); no flow at times.
1924-35: 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 readings furnished by Inland Power & Light Co.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7.4	7.4	7.6	7.4	7.4	7.6	7.4	7.4	7.6	7.7	7.7	7.2
2	7.4	7.4	7.2	7.7	7.6	7.4	7.4	7.4	6.8	7.7	7.7	7.9
3	7.2	7.6	7.7	7.7	7.2	7.2	7.4	7.4	7.4	7.7	7.7	7.9
4	7.2	7.0	7.7	7.6	7.7	7.6	7.4	7.4	7.6	7.2	7.0	7.9
5	7.4	7.6	7.6	7.6	7.6	7.6	7.2	7.6	7.6	7.6	7.7	7.9
6	7.4	7.6	7.6	7.2	7.6	7.6	7.4	7.0	7.2	7.6	7.7	7.7
7	7.0	7.6	7.6	7.6	7.6	7.6	7.0	7.4	7.0	7.2	7.9	6.7
8	7.2	7.6	7.7	7.7	7.6	7.6	7.4	7.4	7.4	7.7	7.9	7.4
9	7.2	7.4	7.2	7.6	7.6	7.4	7.6	7.4	7.2	8.1	7.9	7.9
10	7.2	7.2	7.2	7.4	7.0	7.0	7.2	7.2	7.6	8.1	7.7	7.9
11	7.2	7.0	7.9	7.7	7.6	7.6	7.2	7.4	7.2	7.6	5.8	7.9
12	7.2	7.2	7.7	7.6	7.7	7.6	7.4	6.8	7.4	7.7	7.7	7.9
13	7.4	7.6	7.7	7.2	7.7	7.4	7.4	7.4	7.0	7.7	7.7	7.7
14	7.0	7.2	7.7	7.6	7.6	7.4	7.0	7.6	7.4	7.2	7.7	6.4
15	7.6	7.4	7.7	7.7	7.6	7.4	7.6	7.2	7.4	7.7	7.7	7.4
16	7.6	7.6	7.4	7.6	7.7	7.4	7.4	7.4	7.2	7.9	7.6	7.9
17	7.2	7.6	7.7	7.6	7.0	7.0	7.4	7.0	7.4	7.9	7.9	7.9
18	7.6	6.3	7.7	7.7	7.6	7.4	7.2	7.2	7.6	7.7	7.2	7.7
19	7.2	7.6	7.6	7.7	7.7	7.6	7.4	6.6	6.9	7.7	7.7	7.7
20	7.6	7.6	7.6	7.7	7.7	7.4	7.4	7.2	7.4	7.7	7.7	7.6
21	7.0	7.4	7.6	7.6	7.4	7.4	7.0	7.2	7.4	7.4	7.6	7.2
22	7.4	7.6	7.6	7.7	7.4	7.6	7.4	7.2	7.6	7.7	7.7	6.8
23	7.6	7.6	7.2	7.7	7.6	7.6	7.4	7.4	7.0	7.7	7.7	7.7
24	7.2	7.6	6.6	7.7	7.0	6.8	7.4	7.4	7.6	7.7	7.7	7.9
25	7.4	7.0	7.4	7.7	7.6	7.4	7.2	7.2	7.6	7.6	7.2	8.1
26	7.2	7.7	7.6	7.6	7.6	7.4	7.4	6.8	7.6	7.6	7.7	8.1
27	7.6	7.9	7.6	7.0	7.6	7.4	7.4	7.6	7.6	7.7	7.9	7.7
28	7.0	7.6	7.6	7.7	7.6	7.4	7.0	7.4	7.6	7.2	7.9	7.9
29	7.4	7.0	7.6	7.6	-	7.4	7.6	7.6	7.7	7.7	7.9	5.8
30	7.6	7.4	7.0	7.7	-	7.4	7.6	7.2	7.2	7.7	7.7	7.7
31	7.6	-	7.7	7.6	-	7.0	-	7.6	-	7.7	7.3	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	227.2	7.6	7.0	7.33	451
November	222.3	7.9	6.3	7.41	441
December	233.3	7.9	6.6	7.53	463
Calendar year 1934	2,708.9	8.7	0	7.42	5,370
January	235.2	7.7	7.0	7.59	467
February	210.6	7.7	7.0	7.52	418
March	229.6	7.6	6.8	7.41	455
April	220.2	7.6	7.0	7.34	437
May	226.0	7.6	6.6	7.29	448
June	221.2	7.7	6.8	7.37	439
July	237.1	8.1	7.2	7.65	470
August	235.9	7.9	5.8	7.61	468
September	227.4	8.1	5.8	7.58	451
Water year 1934-35	2,726.0	8.1	5.8	7.47	5,410

Hurricane Creek near Joseph, Oreg.

Location.- Water-stage recorder, lat. 45°20'10", long. 117°17'50", 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 1935.

Extremes.- Maximum discharge during year, 340 second-feet June 5, 6 (gage height, 2.58 feet); minimum, 10 second-feet Mar. 9.

1915, 1924-35: Maximum discharge, 716 second-feet May 26, 1928 (gage height, 2.65 feet, former datum); minimum, 10 second-feet Feb. 26-28, 1932, Mar. 9, 1935.

Remarks.- Records fair except those estimated, which are poor. Stage-discharge relation affected by ice Jan. 20-22. No diversions above station. Records furnished by State engineer.

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

1.0	11	1.7	75	2.6	348
1.2	26	2.0	145	2.9	475
1.4	36	2.3	236	3.3	685

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	24	29	21	17	18	14	16	53	275	122	54	30
2	24	26	17	17	17	13	13	50	246	116	50	30
3	24	25	18	17	17	14	13	50	233	122	50	29
4	24	24	21	17	17	13	13	55	243	132	49	29
5	24	27	20	17	17	12	13	66	275	132	48	29
6	23	28	21	17	17	12	12	75	298	145	46	29
7	24	27	21	18	17	13	13	81	305	135	44	29
8	24	27	20	18	17	13	13	86	305	125	43	29
9	23	27	20	16	16	12	13	94	282		42	29
10	22	27	20	14	16	12	13	101	257		42	28
11	21	27	19	16	16	12	14	96	286	*117	41	27
12	21	27	19	17	15	13	17	92	268		40	27
13	22	27	19	17	16	18	20	92	243		40	27
14	22	27	19	18	16	17	24	101	203		40	27
15	22	27	19	18	15	15	35	110	186		39	27
16	22	27	18	18	15	15	39	122	170	120	37	26
17	21	28	20	17	16	15	34	125	188	*100	37	26
18	21	27	19	17	16	13	33	108	203	94	37	26
19	21	25	20	16	15	13	35	106	213	94	36	*25
20	21	25	27	*10	15	*14	42	123	210	88	35	*25
21	26	25	22	*16	15	*15	55	162	216	86	34	*24
22	24	24	21	*18	15	*16	49	197	229	83	34	*23
23	23	24	21	19	15	16	44	206	203	*80	34	*23
24	28	24	21	19	15	15	41	194	179	*85	33	22
25	27	23	18	19	13	15	41	188	179	*78	32	23
26	27	23	19	18	14	14	45	185	170	*73	31	23
27	24	23	19	18	14	15	49	188	185	*69	31	22
28	23	22	18	18	14	15	49	191	200	*65	31	22
29	23	22	17	18	-	17	52	194	185	63	31	21
30	23	22	17	18	-	15	55	236	140	60	31	21
31	26	-	17	18	-	15	-	271	-	58	31	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	724	28	21	23.4	0.755	0.87	1,440
November	766	29	22	25.5	.823	.92	1,520
December	608	27	17	19.6	.632	.73	1,210
Calendar year 1934	22,614	289	17	62.0	2.00	27.13	44,860
January	530	19	10	17.1	.552	.64	1,050
February	435	18	13	15.5	.500	.52	863
March	441	18	12	14.2	.458	.53	875
April	904	55	12	30.1	.971	1.08	1,790
May	4,003	271	50	129	4.16	4.80	7,940
June	6,777	305	140	226	7.29	8.13	13,440
July	3,146	145	58	101	3.26	3.76	6,240
August	1,203	54	31	38.8	1.25	1.44	2,390
September	778	30	21	25.9	.835	.93	1,540
Water year 1934-35	20,315	305	12	55.7	1.80	24.35	40,300

*Estimated.

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Lostine River near Lostine, Oreg.

Location.- Water-stage recorder, lat. 45°26'30", long. 117°26', in NW¼ sec. 34, T. 1 S., R. 43 E., 10 miles above mouth and 3½ miles south of Lostine.

Records available.- August 1912 to March 1914, April to September 1915, July 1925 to September 1935.

Extremes.- Maximum discharge during year, about 1,160 second-feet May 31, June 6-8 (gage height, about 5.2 feet); minimum, 22 second-feet Feb. 25, Sept. 30 (gage height, 0.58 foot).

1912-14, 1915, 1925-35: Maximum discharge, 2,540 second-feet May 27, 1913; minimum, 11 second-feet Feb. 14, 1932.

Remarks.- Records good except those estimated from weather records and from discharge at other gaging stations, which are fair. Stage-discharge relation affected by ice Dec. 9, Jan. 8, 10-12, 20-22, Feb. 10-12, 17, Mar. 6. 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 1934-35 except for periods of ice effect (gage height, in feet, and discharge, in second-feet)

0.5	18	3.0	400
.7	28	3.5	540
1.0	48	4.0	695
1.3	76	4.5	880
1.6	113	5.0	1,080
2.0	174	5.5	1,290
2.5	276	6.0	1,530

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	25	58	47	41	39	36	49	216	1,000	*384	81	37
2	24	53	42	39	39	36	46	197	900	*321	77	34
3	26	50	50	36	39	36	48	191	840	258	73	32
4	26	50	48	39	39	35	48	212	880	300	69	32
5	24	52	43	42	39	32	50	253	980	312	66	31
6	24	52	42	42	40	*34	49	286	1,080	338	64	30
7	24	51	41	43	41	37	48	312	1,040	338	62	30
8	27	52	38	*35	39	36	50	338	1,040	286	62	29
9	26	53	*35	31	39	34	50	362	940	269	58	28
10	24	52	32	*30	*38	35	49	388	880	253	55	28
11	24	52	35	*31	*38	35	52	362	900	242	54	27
12	24	52	37	*34	*39	37	62	338	880	242	53	27
13	24	55	39	36	39	61	82	338	820	244	49	26
14	26	55	39	37	39	65	100	375	730	246	46	26
15	26	57	40	37	38	59	174	400	570	240	48	26
16	26	59	41	38	36	56	225	425	510	249	46	26
17	25	62	46	36	*36	53	176	450	480	223	45	26
18	25	62	46	36	38	50	158	362	*550	193	45	26
19	25	59	47	35	38	50	169	350	600	172	46	26
20	25	61	70	*25	39	50	174	438	615	163	42	26
21	29	62	61	*33	39	48	176	585	615	152	40	24
22	37	58	55	*37	39	48	172	730	660	140	39	24
23	37	56	52	38	37	47	171	800	615	134	38	24
24	37	55	52	39	38	46	182	748	495	142	38	24
25	37	52	51	40	35	48	174	730	450	130	38	24
26	37	51	52	40	41	45	191	712	438	117	62	24
27	36	52	47	39	38	45	212	712	450	110	61	24
28	36	51	46	39	38	46	212	748	450	104	56	24
29	36	52	45	39	-	60	227	730	510	96	50	23
30	36	50	44	39	-	52	242	920	*447	89	43	22
31	43	-	44	39	-	51	-	1,080	-	84	40	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	901	43	24	29.1	1,790
November	1,636	62	50	54.5	3,240
December	1,407	70	32	45.4	2,790
Calendar year 1934	61,218	845	24	168	121,400
January	1,145	43	25	36.9	2,270
February	1,077	41	35	38.5	2,140
March	1,403	65	32	45.3	2,780
April	3,818	242	46	127	7,570
May	15,088	1,080	191	487	29,930
June	21,365	1,080	438	712	42,380
July	6,571	384	84	212	13,030
August	1,646	81	38	53.1	3,260
September	810	37	22	27.0	1,610
Water year 1934-35	56,867	1,080	22	156	112,800

*Estimated.

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 1935. From April 1924 to Nov. 2, 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, about 640 second-feet May 22 (gage height, 2.75 feet); minimum, 6 second-feet (partly estimated) Sept. 11-30 (gage height, 0.53 foot).

1915, 1924-35: Maximum discharge, 1,540 second-feet June 10, 1933; minimum, 4.9 second-feet Nov. 20, 1929.

Remarks.- Records good except those estimated from weather records and discharge at other gaging stations, which are fair. Small diversions above station. Records furnished by State engineer.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	7	31	27	*27	32	24	87	214	469	111	18	
2	7	31	*25	*25	34	23	60	188	420	96	18	
3	7	30	27	*25	34	23	58	174	410	89	17	
4	7	28	26	*26	35	23	*54	194	415	91	*16	
5	7	33	23	*27	36	23	*50	238	442	88	*16	
												*7
6	7	40	*22	27	35	*23	47	268	464	88	*15	
7	7	42	*20	*26	34	24	47	276	458	89	14	
8	7	49	*18	*26	34	22	49	276	442	77		
9	7	50	*16	*25	29	21	51	293	400	71		
10	7	47	*14	*25	*27	22	52	301	374	65		
11	7	44	*14	*26	*27	20	58	272	365	58	*10	
12	7	42	*15	*27	30	23	77	249	355	56		
13	7	40	*18	*29	30	38	115	249	332	51		
14	7	38	*19	*30	28	61	152	268	310	48		
15	8	40	*20	*31	25	62	272	288	245	46		
												*6
16	8	41	*21	*30	24	61	374	306	214	45		
17	7	45	*23	*29	*24	58	301	318	207	40		
18	8	44	*26	*29	24	53	253	268	207	36		
19	8	40	29	*25	24	52	234	245	214	33		
20	8	38	49	*15	25	49	261	297	204	30		
21	10	35	48	*17	25	47	318	389	198	28		*6
22	10	34	48	*20	25	42	272	498	201	25	*8	*6
23	13	32	46	*21	25	41	228	528	191	30		*6
24	28	31	45	*22	25	40	191	249	160	30		*6
25	18	32	40	23	23	42	179	447	145	26		6
26	15	30	40	23	25	37	201	425	138	25		6
27	14	30	36	24	24	36	217	420	136	22		6
28	14	28	*34	*25	24	38	217	430	136	21	7	6
29	15	30	*33	25	-	61	234	425	152	20	*7	6
30	15	28	31	27	-	69	249	504	131	18	*7	6
31	18	-	*29	30	-	71	-	534	-	18	*7	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	313	26	7	10.1	621
November	1,103	50	28	36.8	2,190
December	882	49	14	28.5	1,750
Calendar year 1934	34,590	436	6	94.8	68,620
January	787	31	15	25.4	1,560
February	787	36	23	28.1	1,560
March	1,229	71	20	39.6	2,440
April	4,938	374	47	165	9,790
May	10,031	534	174	324	19,900
June	8,535	469	131	284	16,930
July	1,571	111	18	50.7	3,120
August	318	18	7	10.3	631
September	190	-	6	6.3	377
Water year 1934-35	30,684	534	6	84.1	60,870

*Estimated.

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.

Drainage area.- 171 square miles.

Records available.- August 1928 to September 1935. At practically same site March 1904 to November 1906, August 1910 to October 1911.

Extremes.- Maximum discharge observed during year, 164 second-feet Apr. 16, May 23 (gage height, 32.02 feet); minimum, 24 second-feet Aug. 23, Sept. 9 (gage height, 30.95 feet).

1904-6, 1910-11, 1928-35: 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. Discharge estimated because of ice Jan. 19, 20. No important diversion or regulation above station. Gage readings and results of several discharge measurements furnished by Washington Water Power Co.

Rating tables, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Jan. 21 to Feb. 14)

Table for Oct. 1 to Jan. 18

31.0	25	31.8	128
31.2	42	32.0	164
31.4	67	32.2	202
31.6	95		

Table for Jan. 21 to Sept. 30

31.0	27	31.8	128
31.2	45	32.0	164
31.4	68	32.2	202
31.6	95		

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	28	38	37	44	62	42	52	109	120	48	30	27
2	28	39	36	42	62	42	52	106	120	46	30	27
3	28	42	36	42	64	42	51	103	108	42	30	27
4	28	40	37	42	61	42	51	103	101	42	30	27
5	28	43	36	42	62	42	50	109	100	40	30	27
6	28	51	37	46	60	42	49	120	97	41	30	26
7	28	51	36	50	56	41	49	120	97	44	30	27
8	29	48	36	48	57	41	57	120	94	46	28	27
9	28	45	36	46	53	40	61	111	88	42	28	25
10	28	44	35	46	51	40	66	111	80	41	28	26
11	28	42	37	46	51	40	72	109	76	40	27	25
12	29	40	37	44	50	40	78	106	82	37	25	26
13	31	40	36	42	50	42	100	105	78	35	25	25
14	31	39	40	42	50	50	120	106	82	31	26	26
15	32	38	38	42	47	55	128	106	72	33	27	27
16	32	38	38	41	42	53	164	111	66	33	28	27
17	32	38	38	42	42	52	145	120	64	32	27	27
18	37	40	38	38	42	52	128	120	61	32	28	27
19	33	39	40	30	42	51	120	111	57	31	30	27
20	33	40	53	50	42	50	128	111	55	30	28	27
21	35	40	64	43	43	50	154	120	53	30	28	27
22	33	38	83	36	43	48	136	145	52	30	27	27
23	37	38	76	34	44	47	128	164	50	29	25	27
24	52	38	67	36	44	47	111	145	50	31	25	27
25	53	38	62	40	44	51	109	136	49	31	25	27
26	46	37	58	49	44	50	108	128	46	30	27	27
27	41	37	54	53	44	48	109	120	45	30	27	27
28	40	36	52	56	44	48	106	120	44	30	27	27
29	38	36	48	59	-	49	106	128	55	30	27	27
30	38	36	44	60	-	52	109	120	53	30	26	26
31	38	-	44	62	-	53	-	120	-	30	29	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	1,050	53	28	33.9	2,080
November	1,209	51	36	40.3	2,400
December	1,409	83	35	45.5	2,790
Calendar year 1934	21,948	268	24	60.1	43,530
January	1,393	62	30	44.9	2,760
February	1,396	64	42	49.9	2,770
March	1,442	55	40	46.5	2,860
April	2,897	164	49	96.6	5,750
May	3,663	164	103	118	7,270
June	2,195	120	44	73.2	4,350
July	1,097	48	29	35.4	2,180
August	858	30	25	27.7	1,700
September	799	27	25	26.6	1,580
Water year 1934-35	19,408	164	25	53.2	38,490

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 1935.

Extremes.- Maximum discharge during year, 21,900 second-feet May 23 (gage height, 10.40 feet); minimum mean daily discharge, 300 second-feet (estimated) Jan. 21.
1930-35: Maximum discharge, 33,800 second-feet June 14, 1933 (gage height, 13.17 feet); minimum, 270 second-feet (estimated) Jan. 10-15, 1930.

Remarks.- Records good except those estimated, which are fair. No diversions.

Rating table, Jan. 25 to Sept. 30, 1935 (gage height, in feet, and discharge, in second-feet)

2.4	355	4.4	2,400	6.4	6,600	8.4	13,340
2.8	605	4.8	3,040	6.8	7,750	8.8	14,940
3.2	935	5.2	3,780	7.2	9,000	9.2	16,600
3.6	1,350	5.6	4,620	7.6	10,360	9.6	18,310
4.0	1,840	6.0	5,550	8.0	11,820	10.0	20,080
						10.4	21,890

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*500	1,220	1,120	890	1,240	1,010	1,300	7,300	15,400	*4,500	890	577
2	*470	1,600	1,070	721	1,230	1,000	1,410	7,020	14,100	*3,900	881	549
3	*440	1,370	1,040	850	1,260	1,030	1,420	7,020	13,000	*3,400	836	496
4	*420	1,280	1,040	972	1,330	1,070	1,370	7,600	13,300	3,200	794	470
5	410	1,290	1,030	1,090	1,260	1,040	1,420	9,000	14,100	*3,000	768	458
6	406	1,470	972	1,100	1,180	1,010	1,390	9,670	15,400	*3,000	760	452
7	410	1,450	822	1,130	1,140	982	1,400	9,330	14,900	*3,200	736	446
8	502	1,650	756	1,090	1,110	1,010	1,580	9,330	*14,500	*3,000	720	440
9	514	1,780	721	1,050	1,060	973	2,250	10,000	*14,000	*2,600	688	434
10	460	1,570	721	900	944	935	2,400	11,100	*12,800	*2,300	672	422
11	430	1,480	831	870	917	926	2,630	10,000	*12,000	2,110	642	422
12	420	1,420	1,090	1,000	1,130	1,070	3,220	10,000	*11,500	*2,000	635	416
13	445	1,370	1,340	910	1,130	2,110	4,510	9,330	*12,400	*1,850	628	410
14	490	1,350	1,150	860	1,020	3,400	6,060	9,670	*10,800	1,750	612	410
15	496	1,290	1,180	860	964	3,130	6,600	10,000	*9,300	1,690	591	434
16	541	1,280	1,130	831	890	2,550	7,750	10,700	*8,000	1,610	584	470
17	569	1,250	1,040	831	863	2,180	6,600	13,300	*7,000	1,570	584	483
18	569	1,330	1,030	747	982	1,970	6,060	12,200	6,600	1,470	605	464
19	721	1,330	1,000	*600	954	1,790	6,060	11,400	6,200	1,400	642	446
20	712	1,330	1,090	*400	973	1,710	7,750	12,200	5,800	1,340	612	434
21	614	1,290	1,120	*300	1,050	1,640	10,000	13,000	5,310	1,270	577	428
22	686	1,220	1,390	*500	1,100	1,530	9,330	17,400	5,190	1,230	556	416
23	831	1,170	1,250	*950	1,120	1,460	7,750	21,000	4,960	*1,200	535	410
24	1,030	1,160	1,190	*1,150	1,070	1,430	6,460	20,100	*4,600	*1,300	522	404
25	1,330	1,230	1,130	1,210	973	1,420	6,060	17,400	*4,200	*1,250	502	*400
26	1,520	1,270	1,100	1,110	881	1,340	6,600	16,200	*3,900	*1,250	496	*400
27	1,190	1,210	1,100	1,060	973	1,410	7,300	15,400	*3,700	*1,200	490	*400
28	1,040	1,170	1,050	1,050	1,060	1,430	6,880	14,900	*3,500	*1,100	490	*390
29	983	1,180	950	1,100	-	1,260	7,020	14,900	*4,500	964	476	*390
30	940	1,130	994	1,180	-	1,260	7,750	15,800	*5,000	944	470	*380
31	972	-	950	1,200	-	1,270	-	16,600	-	908	522	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	21,061	1,520	406	679	0.450	0.52	41,770
November	40,140	1,780	1,130	1,338	.886	.99	79,620
December	32,397	1,390	721	1,045	.692	.80	64,260
Calendar year 1934	1,342,757	20,100	350	3,679	2.44	33.09	2,663,000
January	28,512	1,210	300	920	.609	.70	56,550
February	29,804	1,330	863	1,064	.705	.73	59,120
March	46,346	3,400	926	1,495	.990	1.14	91,930
April	148,330	10,000	1,300	4,944	3.27	3.65	294,200
May	378,870	21,000	7,020	12,220	8.09	9.33	751,500
June	275,960	15,400	3,500	9,199	6.09	6.80	547,400
July	61,506	4,500	908	1,984	1.31	1.51	122,000
August	19,516	890	470	630	.417	.48	38,710
September	13,151	577	380	438	.290	.32	26,080
Water year 1934-35	1,095,593	21,000	300	3,002	1.99	26.97	2,173,000

*Estimated.

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. Chain gage used prior to Oct. 2, 1934.

Drainage area.- 4,850 square miles.

Records available.- August 1910 to September 1935.

Average discharge.- 25 years (1910-35), 8,340 second-feet.

Extremes.- Maximum discharge during year, 44,000 second-feet May 24 (gage height, 12.84 feet); minimum mean daily discharge (estimated), 550 second-feet Jan. 18; minimum gage height, 2.87 feet Sept. 30.

1910-35: Maximum discharge, 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 except those estimated for Jan. 17, 19-23, and Aug. 24 to Sept. 9, which are fair. Result of discharge measurement shown for Jan. 18. Practically no diversions or regulation above station. Gage-height record furnished by U. S. Weather Bureau.

Rating table, Oct. 2, 1934, to Sept. 30, 1935, except period of ice effect Jan. 17-23 (gage height, in feet, and discharge, in second-feet)

2.5	470	5.0	4,430	7.0	10,300	9.0	18,650	11.0	30,560
3.0	980	5.5	5,690	7.5	12,100	9.5	21,300	11.5	34,000
3.5	1,620	6.0	7,100	8.0	14,080	10.0	24,200	12.0	37,600
4.0	2,400	6.5	8,640	8.5	16,250	10.5	27,300	12.5	41,340
4.5	3,330							13.0	45,200

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,010	2,260	2,430	1,970	2,380	2,370	3,690	15,800	29,900	8,800	1,800	1,100
2	947	3,170	2,370	1,720	2,430	2,370	3,390	14,900	27,300	7,400	1,860	1,200
3	947	3,130	2,260	1,760	2,420	2,350	3,290	14,700	24,500	6,580	1,800	1,100
4	980	2,790	2,260	1,960	2,450	2,470	3,390	15,600	24,200	6,180	1,720	1,000
5	992	2,710	2,250	2,180	2,570	2,450	3,520	18,400	25,700	6,100	1,650	950
6	969	2,980	2,170	2,370	2,540	2,350	3,500	20,800	27,900	5,910	1,610	950
7	969	3,090	1,940	2,520	2,480	2,260	3,440	20,200	27,300	6,130	1,580	950
8	1,060	3,150	1,730	2,450	2,450	2,420	3,670	19,700	26,400	5,800	1,540	950
9	1,220	3,790	1,630	2,350	2,350	2,420	5,330	20,500	25,400	5,300	1,490	950
10	1,170	3,480	1,510	2,130	2,120	2,330	6,100	22,100	22,400	4,840	1,440	914
11	1,080	3,170	1,470	1,940	1,960	2,260	6,410	20,500	21,300	4,570	1,390	914
12	1,020	2,980	1,580	2,120	2,300	2,450	7,860	19,700	21,000	4,250	1,340	881
13	1,030	2,840	2,250	2,050	2,450	5,100	10,300	18,900	21,300	3,970	1,320	881
14	1,140	2,790	2,430	1,970	2,330	8,960	14,100	18,900	19,200	3,730	1,310	870
15	1,200	2,680	2,370	1,940	2,170	8,320	14,700	20,200	17,200	3,520	1,260	892
16	1,300	2,610	2,350	1,880	2,020	7,100	18,200	21,600	14,700	3,350	1,230	969
17	1,440	2,570	2,200	1,700	1,930	6,020	15,600	25,700	13,100	3,210	1,210	1,090
18	1,390	2,610	2,180	1,540	2,090	5,200	13,900	25,100	12,300	3,070	1,270	1,090
19	1,510	2,750	2,170	1,300	2,170	4,600	13,300	23,300	11,700	2,880	1,350	1,000
20	1,750	2,710	2,260	800	2,180	4,360	16,200	23,900	11,200	2,710	1,360	947
21	1,590	2,810	2,420	550	2,370	4,110	20,500	28,600	10,500	2,610	1,340	936
22	1,590	2,640	2,700	900	2,540	3,790	19,900	34,400	9,960	2,500	1,230	903
23	2,020	2,520	2,790	1,800	2,640	3,560	17,200	41,300	9,790	2,370	1,160	881
24	2,260	2,520	2,550	2,370	2,540	3,410	14,700	40,600	9,120	2,400	1,100	870
25	2,980	2,540	2,430	2,790	2,350	3,520	13,500	35,400	8,160	2,450	1,050	870
26	3,710	2,730	2,330	2,700	2,100	3,930	14,100	32,300	7,700	2,520	1,050	859
27	3,040	2,610	2,350	2,520	2,100	3,580	16,000	29,600	7,250	2,430	1,050	870
28	2,430	2,540	2,260	2,500	2,300	3,500	14,900	28,600	6,930	2,180	1,000	870
29	2,200	2,520	2,120	2,370	-	3,710	14,700	28,600	8,480	2,020	1,000	859
30	2,100	2,450	2,100	2,370	-	3,950	16,200	29,200	9,790	1,940	1,000	859
31	2,040	-	2,100	2,380	-	3,710	-	32,600	-	1,860	1,000	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	49,084	3,710	947	1,583	0.326	0.38	97,360
November	84,140	3,790	2,260	2,805	.578	.64	166,900
December	67,960	2,790	1,470	2,192	.452	.52	134,800
Calendar year 1934	2,829,069	39,900	750	7,751	1.60	21.69	5,611,000
January	61,900	2,790	550	1,997	.412	.48	122,800
February	64,730	2,640	1,930	2,312	.477	.50	128,400
March	118,930	8,960	2,260	3,836	.791	.91	235,900
April	331,590	20,500	3,290	11,050	2.28	2.54	657,700
May	761,700	41,300	14,700	24,570	5.07	5.84	1,511,000
June	511,680	29,900	6,930	17,060	3.52	3.93	1,015,000
July	123,580	8,500	1,860	3,986	.822	.95	245,100
August	41,510	1,860	1,000	1,339	.276	.32	82,330
September	28,375	1,200	859	946	.195	.22	56,280
Water year 1934-35	2,245,179	41,300	550	6,151	1.27	17.23	4,454,000

Clearwater River at Orofino, Idaho

Location.- Wire 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 1935.

Extremes.- Maximum discharge observed during year, 42,900 second-feet May 24 (gage height, 16.94 feet); minimum measured discharge, 587 second-feet Jan. 21 during ice-affected period; minimum gage height, 7.45 feet Sept. 13, 14.

1930-35: Maximum discharge observed, 81,500 second-feet June 10, 1933 (gage height, 20.87 feet); minimum, that of Jan. 21, 1935; minimum gage height, 7.31 feet Nov. 23, 1931.

Remarks.- Records good except those estimated or interpolated because of ice or missing gage height record, which are fair. Result of discharge measurement Jan. 21. No diversions above station. Regulation negligible.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	*1,050	2,150	2,520	2,240	2,520	2,710	4,220	18,000	31,000	9,290	1,880	*1,150
2	*1,000	2,710	2,520	1,880	2,710	2,520	3,980	16,500	*28,400	8,050	1,880	1,260
3	*1,000	3,530	2,420	1,800	2,520	2,520	3,750	16,000	25,500	6,870	*1,850	1,190
4	1,060	*3,000	*2,420	2,060	*2,600	2,710	3,980	16,500	24,000	6,300	*1,800	1,060
5	1,060	2,910	2,420	2,330	2,710	2,710	3,980	19,000	25,200	6,300	1,720	1,000
6	1,000	2,910	*2,380	*2,550	2,710	2,710	*3,980	21,700	27,100	6,020	1,720	1,000
7	*1,000	3,320	2,330	2,710	2,710	2,520	3,980	21,700	*27,100	6,020	1,640	1,000
8	1,060	3,110	1,880	2,710	2,710	2,520	3,980	20,600	27,100	6,020	1,640	*1,000
9	1,190	3,750	1,720	2,710	2,520	2,710	5,220	21,100	26,400	5,480	1,560	1,060
10	1,260	3,750	*1,600	*2,400	2,240	2,520	7,750	*23,000	23,400	4,960	1,480	940
11	1,190	*3,400	1,480	2,060	2,240	2,520	7,160	21,700	21,100	4,710	1,400	940
12	1,120	3,110	1,560	2,240	*2,500	2,710	8,350	20,600	20,000	4,460	1,330	940
13	1,060	2,910	1,970	2,150	2,710	4,710	10,600	20,000	21,100	4,220	1,330	940
14	*1,100	*2,800	2,910	2,150	2,520	11,000	16,000	19,500	20,000	3,980	1,330	885
15	1,120	2,710	2,420	2,150	2,420	8,660	16,500	20,600	*17,800	3,750	1,330	*900
16	1,330	2,710	2,520	2,060	2,150	7,450	21,100	21,700	*15,500	3,530	1,260	940
17	1,480	2,710	*2,400	1,970	1,970	6,870	20,600	24,600	13,300	3,320	1,260	1,000
18	1,480	2,710	2,330	1,720	2,150	6,580	16,500	27,100	12,100	3,110	*1,300	1,120
19	1,400	2,910	2,240	*1,500	2,330	5,750	15,100	24,600	11,700	3,110	1,330	1,120
20	1,720	2,910	2,420	*950	2,240	4,960	17,000	*25,000	11,300	2,910	1,400	1,000
21	1,800	3,110	2,520	587	2,520	4,960	21,100	29,000	10,300	*2,810	1,400	1,000
22	1,560	3,110	2,710	*1,100	2,710	4,460	24,600	35,200	9,610	2,710	1,330	*980
23	1,880	2,910	*2,650	*1,900	2,910	4,460	20,000	39,700	9,610	2,520	1,260	940
24	2,240	2,910	2,910	2,710	2,910	*4,200	17,500	42,900	9,290	2,520	1,190	940
25	2,710	2,710	*2,700	2,910	2,710	3,980	15,600	38,200	8,350	2,520	1,120	940
26	3,750	2,910	2,520	3,110	2,330	4,710	15,100	34,600	7,750	2,520	1,120	940
27	3,530	*2,800	2,520	2,910	2,330	4,460	17,000	31,000	7,450	2,520	1,060	940
28	2,710	2,710	*2,400	2,910	2,520	3,980	*16,500	30,300	7,160	*2,400	1,060	940
29	2,420	2,710	2,330	2,710	-	3,980	16,000	29,000	7,450	2,330	1,060	940
30	2,240	2,710	*2,300	2,520	-	4,710	18,000	29,600	10,300	2,060	1,060	940
31	2,150	-	2,330	*2,520	-	4,460	-	33,800	-	1,970	1,000	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	50,670	3,750	1,000	1,635	0.293	0.34	100,500
November	88,610	3,750	2,150	2,964	.529	.59	175,800
December	72,550	2,910	1,480	2,340	.419	.48	143,900
Calendar year 1934	2,926,040	40,000	830	8,017	1.44	19.49	5,804,000
January	68,227	3,110	587	2,201	.394	.45	135,300
February	70,120	2,910	1,970	2,504	.449	.47	139,100
March	135,720	11,000	2,620	4,378	.785	.90	269,200
April	375,130	24,600	3,750	12,500	2.24	2.50	744,100
May	792,700	42,900	16,000	25,570	4.58	5.28	1,572,000
June	516,670	31,000	7,160	17,220	3.09	3.45	1,025,000
July	129,290	9,290	1,970	4,171	.747	.86	256,400
August	43,100	1,880	1,000	1,390	.249	.29	85,490
September	29,945	1,260	940	998	.179	.20	59,400
Water year 1934-35	2,372,732	42,900	587	6,501	1.17	15.81	4,706,000

*Estimated.

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 1935.

Extremes.- Maximum discharge during year, 72,400 second-feet May 24 (gage height, 14.56 feet); minimum mean daily discharge (estimated) 1,500 second-feet Jan. 21; minimum gage height, 2.22 feet Sept. 25.

1926-35: 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, at former site and datum 2,300 feet upstream, during severe ice jam.

Remarks.- Records excellent except those estimated because of ice, Jan. 18-22, 24, which are fair. Result of discharge measurement used Jan. 23. No diversions or regulation above station. Record Jan. 13, 14 and June 12-21 based on staff gage at Spalding highway bridge, 2,300 feet upstream.

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

2.0	1,430	7.0	15,420	11.0	40,480	15.0	76,480	19.0	120,840
3.0	2,960	8.0	20,350	12.0	48,430	16.0	87,030	20.0	132,660
4.0	5,110	9.0	26,200	13.0	57,060	17.0	97,980	21.0	144,740
5.0	7,780	10.0	33,030	14.0	66,430	18.0	109,260	22.0	157,060
6.0	11,220							23.0	169,640

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	2,240	3,970	5,230	4,640	6,500	5,980	9,070	33,800	49,300	15,000	3,660	2,160
2	2,160	4,990	5,110	4,300	6,370	6,370	8,410	31,600	45,200	12,800	3,760	2,410
3	2,080	6,780	4,870	3,970	6,370	6,500	7,780	30,900	40,500	11,200	3,860	2,410
4	2,000	6,240	4,760	4,300	6,370	6,370	8,090	31,600	39,000	10,500	3,660	2,240
5	2,000	6,240	4,640	4,640	6,370	6,240	8,410	35,200	39,700	10,100	3,450	2,080
6	2,000	6,640	4,640	5,720	6,240	5,850	8,410	42,000	42,800	9,760	3,350	2,000
7	1,930	6,780	4,300	7,340	6,110	5,720	8,090	41,200	42,800	10,100	3,250	2,000
8	1,930	6,640	3,860	6,780	5,850	5,720	9,070	39,000	41,200	9,760	3,150	1,930
9	2,080	7,780	3,660	6,110	5,600	5,720	12,000	39,000	39,700	9,070	3,060	1,930
10	2,240	7,480	3,350	5,600	5,110	5,600	14,500	41,200	36,700	8,410	2,960	1,930
11	2,080	6,500	3,150	5,110	4,870	5,350	15,000	39,000	34,500	8,090	2,770	1,860
12	2,000	6,110	3,250	4,870	4,990	6,240	17,300	36,000	33,000	7,630	2,680	1,860
13	2,000	5,720	3,660	5,060	5,600	18,800	22,600	35,200	33,000	7,190	2,680	1,860
14	2,080	5,480	4,760	4,610	5,480	27,500	30,200	36,000	31,100	6,780	2,680	1,790
15	2,240	5,350	4,640	4,520	5,110	23,700	33,800	37,400	28,100	6,500	2,590	1,860
16	2,320	5,110	4,640	4,520	4,760	19,300	46,000	39,700	24,600	6,240	2,500	1,930
17	2,680	4,990	4,520	4,410	4,410	16,400	41,200	45,200	21,900	5,980	2,500	2,160
18	2,770	4,990	4,410	4,000	4,410	14,100	34,500	46,800	20,400	5,720	2,500	2,240
19	2,590	5,480	4,410	3,000	4,760	12,000	30,900	43,600	19,400	5,480	2,770	2,080
20	2,770	5,720	4,760	2,000	4,990	10,800	33,800	43,600	18,500	5,230	3,150	1,930
21	2,960	6,240	5,980	1,500	5,720	10,100	41,200	48,400	17,100	4,990	2,960	1,860
22	3,550	6,240	9,760	2,200	7,340	9,070	45,200	58,000	16,400	4,760	2,680	1,790
23	3,860	5,720	9,070	4,350	8,410	8,410	38,200	67,400	16,400	4,640	2,590	1,790
24	4,190	5,600	7,340	5,800	7,480	8,090	34,500	69,400	15,400	4,520	2,410	1,720
25	5,720	5,600	6,370	7,780	6,500	9,070	30,200	60,700	14,100	4,520	2,320	1,720
26	10,800	5,980	5,850	8,410	5,850	10,500	30,900	54,400	13,200	4,640	2,320	1,720
27	8,090	6,110	5,600	7,630	5,480	9,760	34,500	50,100	12,400	4,760	2,240	1,720
28	5,850	5,720	5,350	6,910	5,600	9,410	33,800	47,600	11,600	4,410	2,240	1,720
29	4,760	5,480	5,110	6,640	-	9,760	31,600	46,800	12,400	4,080	2,240	1,720
30	4,190	5,350	4,870	6,640	-	10,100	33,000	46,800	15,900	3,970	2,160	1,790
31	3,970	-	4,760	6,640	-	9,760	-	51,800	-	3,860	2,160	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	102,130	10,800	1,930	3,295	0.344	0.40	202,600
November	177,030	7,780	3,970	5,901	.617	.69	351,100
December	156,680	9,760	3,150	5,054	.528	.61	310,800
Calendar year 1934	5,830,130	72,400	1,660	15,970	1.67	22.66	11,560,000
January	160,000	8,410	1,500	5,161	.539	.62	317,400
February	152,650	8,410	4,410	5,809	.607	.63	322,600
March	318,290	27,500	5,350	10,270	1.07	1.23	631,300
April	752,230	46,000	7,780	25,070	2.62	2.92	1,492,000
May	1,369,400	69,400	30,900	44,170	4.62	5.33	2,716,000
June	826,300	49,300	11,600	27,640	2.88	3.21	1,639,000
July	220,690	15,000	3,860	7,119	.744	.86	437,700
August	87,300	3,860	2,160	2,816	.294	.34	173,200
September	58,210	2,410	1,720	1,940	.203	.23	115,500
Water year 1934-35	4,390,910	69,400	1,500	12,030	1.26	17.07	8,709,000

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 1935. From November 1910 to August 1912 gage-height records were collected at approximately the same site.

Extremes.- Maximum discharge during year, 15,200 second-feet May 23 (gage height, 8.63 feet); minimum mean daily discharge (estimated), 200 second-feet Jan. 21; minimum gage height, 1.26 feet Sept. 30.

1929-35: 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 estimated because of ice, Jan. 19-23, which are poor. No diversions.

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

(Shifting-control method used May 31 to Sept. 6)

1.2	247	3.5	2,670	6.0	7,820
1.5	434	4.0	3,530	6.5	9,070
2.0	815	4.5	4,500	7.0	10,400
2.5	1,315	5.0	5,540	8.0	13,320
3.0	1,930	5.5	6,650	9.0	16,570

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	388	952	962	730	924	914	1,360	5,980	10,400	2,920	658	395
2	363	1,360	905	666	934	905	1,250	5,540	9,590	2,440	674	395
3	350	1,200	878	722	943	914	1,240	5,540	8,560	2,210	642	369
4	338	1,110	887	736	952	924	1,300	6,420	8,560	2,070	604	344
5	332	1,140	851	806	952	896	1,330	7,580	9,330	2,000	574	332
6	332	1,250	806	896	934	860	1,290	8,310	9,860	2,000	567	332
7	332	1,240	690	934	905	815	1,280	8,060	9,330	2,140	538	332
8	388	1,420	666	896	896	869	1,430	7,820	9,070	1,930	516	326
9	369	1,610	636	842	851	851	2,070	8,060	8,810	1,800	488	313
10	357	1,420	612	738	842	806	2,140	8,310	7,820	1,670	482	307
11	338	1,290	635	756	878	798	2,440	7,580	7,580	1,550	475	295
12	332	1,200	674	772	905	981	3,000	7,340	7,580	1,440	468	295
13	369	1,150	887	756	896	2,590	4,300	7,340	7,820	1,340	475	295
14	395	1,100	842	722	860	3,350	5,330	7,580	6,880	1,260	448	289
15	414	1,060	842	714	806	2,920	5,540	8,060	5,980	1,200	448	319
16	502	1,040	842	706	764	2,360	6,650	8,810	5,220	1,150	448	369
17	524	1,000	815	674	764	2,000	5,540	9,860	4,700	1,110	448	434
18	488	1,090	815	666	781	1,800	5,220	9,330	4,400	1,070	468	382
19	560	1,100	824	500	815	1,610	5,220	8,810	4,200	990	524	344
20	612	1,130	896	300	833	1,550	6,420	9,330	3,820	934	495	326
21	552	1,150	924	200	914	1,450	7,340	11,200	3,620	905	461	319
22	706	1,050	1,130	400	972	1,360	6,650	13,300	3,530	860	441	307
23	887	1,050	1,020	800	990	1,300	5,760	14,900	3,440	833	421	301
24	1,000	1,040	952	1,050	914	1,280	4,910	13,900	3,170	869	402	301
25	1,380	1,060	905	1,250	815	1,430	4,800	12,400	2,830	860	395	301
26	1,610	1,120	878	1,080	772	1,490	5,330	11,200	2,670	860	388	295
27	1,190	1,040	878	1,010	798	1,370	5,980	10,400	2,510	815	382	295
28	952	1,020	824	943	842	1,340	5,540	10,400	2,360	730	376	295
29	860	1,000	798	924	-	1,440	5,540	10,100	3,170	706	369	289
30	790	962	798	943	-	1,430	6,200	10,700	3,350	682	363	283
31	772	-	764	934	-	1,400	-	11,200	-	650	369	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off Inches	Run-off Acre-feet
October	18,782	1,610	332	606	0.514	0.59	37,250
November	34,354	1,610	952	1,145	.970	1.08	68,140
December	25,835	1,130	612	833	.706	.81	51,240
Calendar year 1934	1,116,161	15,600	271	3,058	2.59	35.17	2,214,000
January	24,068	1,250	200	776	.658	.76	47,740
February	24,452	990	764	873	.740	.77	48,500
March	44,003	3,350	798	1,419	1.20	1.38	87,280
April	122,400	7,340	1,240	4,080	3.46	3.86	242,800
May	285,360	14,900	5,540	9,205	7.80	8.99	566,000
June	180,160	10,400	2,360	6,005	5.09	5.68	357,300
July	41,994	2,920	650	1,355	1.15	1.33	83,290
August	14,807	674	363	478	.405	.47	29,370
September	9,779	434	283	326	.276	.31	19,400
Water year 1934-35	825,994	14,900	200	2,263	1.92	26.03	1,638,000

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., 6 miles southeast of Grangeville.

Drainage area.- 865 square miles.

Records available.- November 1910 to September 1916, April 1923 to September 1935.

Average discharge.- 16 years (1912-16, 1923-35), 841 second-feet.

Extremes.- Maximum discharge during year, 3,130 second-feet May 23 (gage height, 6.70 feet); practically no flow for indeterminate periods Aug. 24 and 26.
1910-16, 1923-35: Maximum discharge, 9,830 second-feet May 30, 1912 (gage height, 9.7 feet); minimum, that of Aug. 24 and 26, 1935.

Remarks.- Records good except those estimated because of ice, Jan. 19-23, which are fair. Diurnal fluctuations caused by operation of power plant just above. No diversions for irrigation.

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

2.2	42	3.8	522	5.4	1,660
2.6	98	4.2	745	5.8	2,050
3.0	192	4.6	1,005	6.2	2,500
3.4	334	5.0	1,310	6.6	3,000

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	106	192	159	146	192	184	257	1,950	1,950	745	167	154
2	104	223	154	139	189	178	240	1,660	1,950	630	164	154
3	96	223	170	144	186	184	276	1,570	1,750	522	159	111
4	102	223	161	181	189	186	276	1,660	1,660	496	152	106
5	102	206	175	192	186	178	276	1,950	1,660	496	146	91
6	102	257	162	186	189	167	276	2,270	1,660	522	146	93
7	102	240	119	186	192	166	276	2,050	1,660	522	142	76
8	146	223	117	166	189	184	356	2,050	1,570	447	137	91
9	156	208	115	170	175	172	630	2,050	1,480	423	130	86
10	130	189	95	130	146	175	630	2,270	1,310	377	126	90
11	115	189	100	186	149	178	685	2,050	1,310	377	119	81
12	108	170	142	164	175	181	1,000	1,950	1,310	356	119	80
13	113	167	175	146	172	276	1,310	1,850	1,400	314	117	81
14	135	164	186	164	162	658	1,750	1,850	1,230	294	115	80
15	142	164	208	154	152	715	1,850	1,850	1,230	276	113	90
16	175	162	184	149	139	658	2,270	1,950	1,000	276	104	95
17	156	159	181	149	164	548	1,660	2,500	935	257	156	96
18	156	164	170	137	167	423	1,570	2,270	870	257	128	100
19	208	170	172	120	164	314	1,480	2,160	838	240	135	83
20	208	178	172	90	167	334	1,950	2,050	775	223	128	80
21	192	184	178	60	192	334	2,740	2,270	745	223	119	84
22	223	178	223	100	186	294	2,160	2,740	685	208	86	91
23	223	170	189	130	186	276	1,850	3,000	685	208	115	86
24	223	172	208	175	189	276	1,480	3,000	630	208	91	86
25	334	172	189	186	152	314	1,480	2,500	575	223	126	83
26	334	178	184	186	178	257	1,750	2,380	548	223	102	86
27	240	162	181	192	186	257	1,950	2,270	522	223	88	86
28	208	156	152	186	184	276	1,750	2,270	522	192	90	88
29	192	184	162	184	-	314	1,750	2,050	670	184	80	91
30	184	164	170	184	-	276	2,050	2,160	902	172	83	90
31	181	-	149	189	-	294	-	2,160	-	167	93	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	5,196	334	96	168	0.194	0.22	10,310
November	5,593	257	156	186	.215	.24	11,090
December	5,122	223	95	165	.191	.22	10,160
Calendar year 1934	205,095	2,270	76	562	.650	8.82	406,800
January	4,891	192	60	158	.183	.21	9,701
February	4,897	192	139	175	.202	.21	9,713
March	9,247	715	167	298	.345	.40	18,340
April	37,978	2,740	240	1,266	1.46	1.63	75,330
May	66,760	3,000	1,570	2,154	2.49	2.87	132,400
June	34,232	1,950	522	1,141	1.32	1.47	67,900
July	10,281	745	167	332	.384	.44	20,390
August	3,776	167	80	122	.141	.16	7,490
September	2,789	154	76	93	.108	.12	5,532
Water year 1934-35	190,762	3,000	60	523	.605	8.19	378,400

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 Bruces Eddy, 1½ miles northeast of Ahsahka and 2 miles above mouth.

Drainage area.- 2,440 square miles.

Records available.- August 1926 to September 1935.

Extremes.- Maximum discharge during year, 27,700 second-feet May 23 (gage height, 16.84 feet); minimum mean daily discharge 550 second-feet (estimated) Jan. 21; minimum gage height, 2.27 feet Oct. 12.

1926-35: Maximum discharge, about 100,000 second-feet Dec. 23, 1933 (gage height, 35.5 feet, from flood marks); minimum, 490 second-feet Jan. 7, 1929.

Remarks.- Records good except those estimated Oct. 9, Dec. 9-14, Jan. 2-10, which are fair, and those estimated because of ice, Jan. 17-21, 23, 24, which are poor. Result of discharge measurement used Jan. 22. No diversions or regulation above station.

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

2.2	805	4.5	2,740	8.0	7,210	13.0	16,800
2.5	990	5.0	3,290	9.0	8,770	14.0	19,370
3.0	1,340	5.5	3,880	10.0	10,470	15.0	22,150
3.5	1,750	6.0	4,480	11.0	12,360	16.0	25,140
4.0	2,220	7.0	5,780	12.0	14,470	17.0	28,330

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	1,020	1,800	2,380	2,080	2,420	2,420	3,400	14,200	17,300	5,640	1,660	1,100
2	1,000	2,650	2,220	1,900	2,470	2,420	3,180	13,400	15,600	4,730	1,750	1,160
3	978	3,050	2,120	1,700	2,470	2,470	3,180	13,000	14,200	4,360	1,660	1,100
4	978	2,940	2,120	1,900	2,470	2,520	3,290	13,800	13,800	4,120	1,580	1,020
5	978	3,170	2,020	2,100	2,520	2,470	3,290	16,300	14,000	4,000	1,500	990
6	955	3,530	1,980	2,600	2,470	2,370	3,180	19,400	14,700	4,000	1,500	990
7	955	3,290	1,800	3,200	2,370	2,270	3,070	18,300	14,200	4,000	1,460	960
8	955	3,660	1,620	3,000	2,320	2,320	3,400	16,800	13,800	3,760	1,420	960
9	966	4,030	1,500	2,500	2,270	2,320	4,730	16,800	13,200	3,400	1,380	925
10	978	3,410	1,400	2,200	2,070	2,170	5,380	17,300	12,200	3,290	1,340	925
11	955	3,050	1,300	2,020	1,980	2,120	6,060	15,200	11,400	3,290	1,300	925
12	955	2,760	1,400	2,080	2,220	2,630	7,660	14,200	11,000	3,070	1,270	925
13	978	2,600	1,600	2,020	2,420	8,770	11,200	14,200	11,000	2,960	1,270	925
14	1,050	2,430	2,100	1,930	2,270	11,800	14,700	15,200	10,300	2,740	1,270	895
15	1,080	2,320	2,020	1,880	2,120	9,090	15,400	16,300	9,770	2,630	1,240	960
16	1,160	2,280	1,980	1,880	1,980	7,060	19,900	16,800	8,770	2,580	1,240	1,100
17	1,300	2,220	1,930	1,800	1,880	5,920	15,600	19,900	7,970	2,470	1,240	1,200
18	1,160	2,380	1,930	1,500	1,930	5,120	13,600	19,100	7,510	2,370	1,240	1,130
19	1,100	2,650	1,960	1,300	2,020	4,600	12,800	18,100	7,210	2,270	1,580	1,020
20	1,140	2,760	2,180	800	2,020	4,240	15,200	18,800	6,910	2,170	1,540	960
21	1,260	3,050	1,930	550	2,170	4,000	17,800	21,300	6,480	2,120	1,340	960
22	1,120	2,820	5,360	1,050	2,520	3,640	17,600	24,500	6,340	2,020	1,270	925
23	1,840	2,700	4,420	2,000	2,960	3,400	14,900	26,700	6,200	2,020	1,200	895
24	1,880	2,650	3,410	3,200	2,680	3,290	12,800	25,100	5,780	1,960	1,160	895
25	4,290	2,760	2,940	4,000	2,370	4,000	12,400	22,200	5,380	1,980	1,130	895
26	6,910	3,050	2,700	3,520	2,170	4,480	13,800	19,900	5,120	1,980	1,100	865
27	3,660	2,760	2,540	2,960	2,170	3,880	15,400	18,300	4,860	1,930	1,130	865
28	2,480	2,650	2,380	2,740	2,320	3,640	13,800	17,800	4,730	1,800	1,100	865
29	1,960	2,460	2,280	2,580	-	3,520	13,400	17,300	5,120	1,700	1,100	865
30	1,750	2,380	2,220	2,520	-	3,760	14,500	17,600	5,780	1,700	1,060	865
31	1,700	-	2,120	2,470	-	3,520	-	18,800	-	1,620	1,060	-

Month	Second-foot-days	Maximum	Minimum	Mean	Per square mile	Run-off	
						Inches	Acre-feet
October	50,511	6,910	955	1,629	0.668	0.77	100,200
November	84,280	4,030	1,800	2,809	1.15	1.28	167,200
December	69,880	5,360	1,300	2,254	.924	1.07	138,600
Calendar year 1934	2,517,583	37,900	915	6,897	2.83	38.38	4,994,000
January	67,980	4,000	550	2,193	.899	1.04	134,800
February	64,050	2,960	1,880	2,288	.936	.97	127,000
March	126,230	11,800	2,120	4,072	1.67	1.92	250,400
April	314,620	19,900	3,070	10,490	4.30	4.80	624,000
May	556,600	26,700	13,000	17,950	7.36	8.48	1,104,000
June	290,630	17,300	4,730	9,688	3.97	4.43	576,500
July	88,700	5,640	1,620	2,861	1.17	1.35	175,900
August	41,090	1,750	1,060	1,325	.543	.63	81,500
September	29,065	1,200	865	969	.397	.44	57,650
Water year 1934-35	1,763,636	26,700	550	4,887	2.00	27.18	3,538,000

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 1935.

Extremes.- Maximum discharge during year, 394 second-feet Jan. 25 (gage height, 5.46 feet); minimum, 0.01 second-foot Aug. 13-15.
1934-35: Maximum and minimum discharges as recorded above.

Remarks.- Records good except those for the periods Jan. 18-20, 29-31, Feb. 1-17, Mar. 29 to July 15, which are fair. Discharge estimated Jan. 18-20 and July 12-15, on basis of records at Pullman and for Paradise Creek near Pullman. No diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.37	1.5	5.0	9.1	60	38	53	26	5.1	1.3	0.04	0.12
2	.36	1.6	3.4	11.5	48	28	47	25	4.8	1.2	.04	.06
3	.36	1.8	2.9	11.9	43	30	48	23	4.6	1.1	.05	.05
4	.38	1.8	3.6	17.8	41	26	57	22	4.3	1.0	.05	.04
5	.40	2.5	3.6	38	37	22	82	22	3.8	.94	.04	.04
6	.42	2.7	2.8	63	36	19.8	83	21	3.4	.94	.04	.04
7	.46	2.2	2.6	112	32	24	88	20	3.2	1.1	.04	.04
8	.43	1.9	2.6	85	27	33	242	19.0	3.1	1.0	.04	.04
9	.43	1.7	2.6	46	21	29	149	17.6	2.8	1.0	.04	.04
10	.44	1.6	2.4	31	20	29	96	15.3	2.7	.94	.03	.04
11	.43	1.5	2.3	28	21	35	77	15.3	2.4	.79	.02	.04
12	.46	1.4	2.3	25	26	71	65	14.4	2.4	.71	.02	.04
13	.50	1.4	2.7	23	26	143	65	13.8	2.7	.63	.01	.04
14	.54	1.6	3.1	22	23	95	48	12.9	3.0	.55	.01	.04
15	.62	1.5	2.9	22	18.7	70	104	12.9	3.5	.47	.01	.06
16	.64	1.3	3.3	22	18.6	50	143	14.5	3.4	.39	.02	.08
17	.60	1.3	4.0	19.1	25	48	83	15.7	2.8	.29	.02	.10
18	.84	2.2	5.2	17.0	34	41	65	12.9	2.5	.26	.06	.08
19	.94	2.6	6.6	14.5	46	37	53	11.2	2.3	.20	.10	.08
20	.89	2.8	30	12.0	37	35	45	11.5	2.0	.18	.10	.08
21	1.6	4.4	54	9.6	52	33	84	9.2	1.6	.16	.08	.08
22	1.6	4.8	82	9.0	75	28	50	8.9	1.5	.12	.06	.07
23	3.2	2.9	31	19.6	66	27	75	8.7	1.4	.12	.04	.08
24	6.6	2.4	28	230	43	28	47	8.5	1.3	.10	.03	.08
25	6.5	2.7	21	292	36	63	39	8.1	1.2	.10	.03	.08
26	3.5	3.1	23	172	29	37	34	7.5	1.1	.08	.03	.08
27	2.7	3.2	17.8	125	31	74	32	6.9	1.2	.06	.03	.08
28	1.9	4.1	13.2	95	33	142	31	6.6	1.0	.05	.03	.10
29	1.5	4.1	12.2	85	-	180	30	6.2	1.1	.04	.03	.10
30	1.4	5.3	7.6	79	-	100	27	5.8	1.2	.06	.02	.10
31	1.4	-	9.3	61	-	87	-	5.5	-	.04	.12	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	42.41	6.6	0.36	1.37	84
November	73.9	5.3	1.3	2.46	147
December	393.0	82	2.3	12.7	780
Calendar year					
January	1,807.1	292	9.0	58.3	3,580
February	1,005.3	75	18.6	35.9	1,990
March	1,702.8	180	19.8	54.9	3,380
April	2,142	242	27	71.4	4,250
May	427.9	26	5.5	13.8	849
June	77.4	5.1	1.0	2.58	154
July	15.92	1.3	.04	.514	32
August	1.28	.12	.01	.041	2.5
September	2.00	.12	.04	.067	4.0
Water year 1934-35	7,691.01	292	.01	21.1	15,250

South Fork of Palouse River at Pullman, Wash.

Location.- Water-stage recorder, lat. 46°43'50", long. 117°11', in NE¼ sec. 6, T. 14 N., R. 45 E., 600 feet above Missouri Flat Creek at State Street crossing, Pullman.

Records available.- February 1934 to September 1935.

Extremes.- Maximum discharge during year, 940 second-feet Jan. 24 (gage height, 3.87 feet); minimum, 0.31 second-foot Aug. 14 (gage height, 0.50 foot).
1934-35: Maximum and minimum discharges as recorded above.

Remarks.- Records excellent except those for Oct. 1-19, which are fair and were estimated on basis of records for tributaries. Two-foot Cippoletti weir used Sept. 20-30. No important diversions. Slight regulation on Paradise Creek caused by Moscow sewage-disposal plant.

Rating table, water year 1934-35 (gage height, in feet, and discharge, in second-feet)
(Shifting-control method used Sept. 20-30)

0.6	1.35	1.6	28.5	2.6	247
.8	4.10	1.8	46	2.8	337
1.0	7.65	2.0	75	3.0	435
1.2	11.65	2.2	114	3.2	540
1.4	17.5	2.4	172	3.4	655

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1		3.0	8.5	15.1	106	61	105	38	6.5	2.5	0.79	1.0
2		3.2	5.9	16.7	93	45	87	34	6.1	2.4	.79	.79
3	*1.4	3.6	5.3	18.7	88	46	78	32	5.9	2.2	.79	.68
4		4.0	6.5	31	79	40	99	29	5.6	2.1	.79	.68
5		4.9	5.9	91	75	35	155	28	5.3	2.0	.68	.68
6		4.3	5.1	123	65	35	143	27	4.9	2.0	.77	.79
7		3.0	4.6	176	58	41	159	26	4.8	2.5	.68	.68
8	*1.5	3.5	4.6	138	48	58	424	23	4.3	2.9	.68	.68
9		3.0	4.4	103	39	51	232	22	4.3	2.9	.68	.68
10		2.8	4.1	67	36	48	153	19.5	4.0	2.4	.68	.90
11		2.6	4.0	55	35	62	119	18.5	3.8	2.1	.58	.68
12	*1.6	2.4	4.3	51	43	120	108	17.5	4.2	1.8	.79	.68
13		2.4	4.9	47	44	221	108	16.5	4.4	1.5	.58	.68
14		2.5	5.4	*44	38	144	88	15.8	5.0	1.6	.48	.68
15	*1.7	2.5	5.4	42	33	99	188	15.8	5.8	1.2	.68	1.0
16	*1.7	2.2	5.8	42	32	79	261	17.4	4.9	1.2	.68	1.1
17	*1.7	2.9	6.7	35	42	79	122	19.2	4.1	1.2	.68	1.0
18	*2.2	4.4	9.3	*31	63	68	110	15.1	3.6	1.2	1.1	.90
19	*2.4	4.4	13.9	27	93	59	95	14.1	3.4	1.1	.79	.90
20	2.2	4.9	67	*24	76	55	83	13.4	3.2	1.0	.90	.88
21	3.7	7.6	101	21	93	54	164	13.0	3.0	.90	.90	.84
22	3.8	7.2	139	18.0	128	44	89	11.8	2.8	1.4	.79	.84
23	5.5	4.8	62	46	98	42	131	11.4	2.6	.90	.58	.79
24	11.9	4.3	56	487	71	48	90	11.2	2.5	1.0	.68	.79
25	11.7	4.9	39	568	52	103	72	10.8	2.6	1.1	.68	.79
26	6.3	6.1	41	298	47	58	62	10.3	2.2	.79	.79	.79
27	4.1	5.6	32	217	50	133	54	9.9	2.4	.68	.68	.84
28	3.0	6.9	24	160	55	274	49	9.3	2.5	.90	1.1	.94
29	2.5	7.3	21	141	-	347	45	8.5	2.4	1.0	.68	.89
30	2.5	9.3	13.6	130	-	169	43	7.9	2.6	1.0	.68	.84
31	2.5	-	15.3	114	-	136	-	7.1	-	1.0	1.1	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	90.3	11.9	-	2.91	179
November	129.5	9.3	2.2	4.32	257
December	725.5	139	4.0	23.4	1,440
Calendar year					
January	3,377.5	568	15.1	109	6,700
February	1,780	128	32	63.6	3,530
March	2,854	347	35	92.1	5,660
April	3,716	424	43	124	7,370
May	553.0	38	7.1	17.8	1,100
June	119.7	6.5	2.2	3.99	237
July	48.47	2.9	.68	1.56	96
August	23.15	1.1	.48	.747	46
September	24.41	1.1	.68	.814	48
Water year 1934-35	13,441.53	568	.48	36.8	26,660

*Estimated.

Dry Fork of South Fork of Palouse River at Pullman, Wash.

Location.- Water-stage recorder, lat. 46°43'25", long. 117°11'10", in NE¼SE¼ sec. 6, T. 14 N., R. 45 E., half a mile above mouth, at Pullman.

Records available.- December 1934 to September 1935.

Extremes.- Maximum discharge during period, 91 second-feet Mar. 28 (gage height, 2.51 feet); no flow June 22 to Sept. 30.

Remarks.- Records poor. Discharge estimated Dec. 1-13, Jan. 18-20, on basis of records for other stations in immediate vicinity. No diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1			0.7	1.1	4.2	2.7	5.0	0.69	0.05			
2			.4	1.3	3.6	2.1	4.0	.60	.04			
3			.4	1.6	3.3	2.2	3.3	.56	.04			
4			.4	4.7	3.2	1.8	6.1	.47	.04			
5			.4	12.2	3.2	1.9	13.7	.43	.03			
6			.3	11.2	3.0	1.9	8.7	.39	.03			
7			.3	8.3	2.4	2.8	23	.36	.02			
8			.3	10.5	2.1	4.1	19.4	.36	.02			
9			.3	5.6	2.2	3.1	8.5	.32	.02			
10			.3	2.8	2.4	2.1	5.6	.25	.02			
11			.2	2.1	1.5	4.6	4.2	.25	.01			
12			.2	2.8	3.0	12.5	4.5	.26	.03			
13			.3	3.1	2.4	8.1	4.2	.25	.03			
14			.40	2.7	2.2	4.3	2.2	.24	.10			
15			.41	2.6	2.4	2.6	13.3	.37	.08			
16			.43	2.3	2.6	2.4	5.6	.52	.05			
17			.99	1.8	4.1	3.2	3.3	.58	.03			
18			1.5	1.8	6.8	2.1	3.4	.34	.02			
19			2.7	1.8	4.1	1.9	2.7	.26	.01			
20			8.0	1.8	4.1	2.0	3.6	.18	.01			
21			16.6	1.8	4.0	1.9	7.3	.18	.01			
22			5.0	1.7	8.0	1.4	3.2	.14	0			
23			4.7	8.1	3.3	1.4	7.6	.10	0			
24			7.1	44	2.6	4.9	2.8	.08	0			
25			2.8	16.6	2.2	4.5	2.2	.08	0			
26			3.4	11.2	2.1	2.6	1.7	.08	0			
27			2.1	8.5	2.1	11.6	1.1	.07	0			
28			1.4	7.0	3.1	33	.99	.06	0			
29			1.1	6.1	-	14.6	.89	.07	0			
30			.76	5.4	-	6.5	.84	.07	0			
31			.83	4.6	-	5.8	-	.06	0			

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	-	-	-	-	-
November	-	-	-	-	-
December	64.72	16.6	0.2	2.09	128
Calendar year					
January	197.1	44	1.1	6.36	391
February	90.2	8.0	1.5	3.22	179
March	156.6	33	1.4	5.05	311
April	172.92	23	.84	5.76	343
May	8.67	.69	.06	.280	17
June	.69	.10	0	.023	1.4
July	0	0	0	0	0
August	0	0	0	0	0
September	0	0	0	0	0
The period	-	-	-	-	1,370

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.

Records available.- April 1934 to September 1935.

Extremes.- Maximum discharge during year, 262 second-feet Jan. 25 (gage height, 2.62 feet); minimum, 0.23 second-foot Aug. 14.
1934-35: Maximum discharge, that of Jan. 25, 1935; minimum, 0.2 second-foot May 28, 1934.

Remarks.- Records excellent except those for period Jan. 18-20, 26-31, Feb. 1-7, July 22-24, which are fair and which were estimated on basis of records for other streams in the immediate vicinity. No important diversions. Slight fluctuation caused by Moscow sewage-disposal plant.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.60	1.0	2.3	4.1	41	21	39	7.6	1.4	0.69	0.56	0.78
2	.64	1.2	1.6	4.3	36	13.2	32	6.9	1.4	.74	.56	.56
3	.69	1.4	1.4	4.8	32	13.8	27	6.4	1.3	.74	.60	.56
4	.69	1.3	1.5	6.7	26	11.2	38	5.7	1.4	.69	.56	.60
5	.79	1.7	1.5	26	25	9.9	64	5.5	1.3	.56	.56	.56
6	.69	1.3	1.4	53	21	10.1	60	5.0	1.2	.60	.58	.64
7	.74	1.0	1.4	72	16.0	11.8	72	4.8	1.2	.89	.56	.60
8	.69	1.1	1.3	46	14.0	20	117	4.3	1.0	1.1	.56	.64
9	.69	1.0	1.3	37	11.5	18.2	63	4.1	1.2	1.1	.51	.74
10	.69	.99	1.2	24	10.9	16.0	42	3.7	1.0	.79	.51	.79
11	.74	.99	1.2	20	9.0	22	34	3.4	.99	.69	.51	.62
12	.69	.94	1.3	19.1	10.8	42	30	3.3	1.1	.64	.47	.60
13	.79	.94	1.4	17.7	11.2	63	32	3.2	1.3	.64	.47	.51
14	.79	.94	1.4	16.3	10.3	36	22	3.1	1.4	.64	.29	.60
15	.69	.94	1.6	13.7	8.4	27	70	2.9	1.6	.60	.56	.94
16	.79	.94	1.8	12.5	7.7	21	68	3.2	1.2	.69	.43	.84
17	.79	.99	1.9	11.2	10.5	23	32	3.3	.94	.64	.56	.89
18	1.2	1.8	2.4	10.3	22	20	31	2.8	.99	.64	.56	.74
19	1.3	1.2	3.3	9.5	44	17.1	26	2.4	.99	.69	.51	.79
20	1.0	1.4	22	8.5	33	15.2	21	2.4	.99	.69	.56	.79
21	2.0	2.5	35	7.8	38	15.7	51	2.6	.99	.60	.69	.79
22	2.0	1.6	47	6.2	57	12.0	24	2.3	.89	.61	.51	.89
23	1.9	1.3	14.9	15.4	30	11.2	42	2.1	.79	.62	.51	.74
24	4.4	1.2	13.6	134	22	14.1	26	2.0	.74	.63	.56	.74
25	3.8	1.4	10.2	151	15.4	42	18.8	2.1	1.1	.64	.56	.69
26	2.4	1.2	10.4	110	14.2	18.3	15.4	2.4	.79	.69	.47	.69
27	1.3	1.3	8.2	84	14.9	57	12.0	1.9	.84	.60	.60	.74
28	1.0	2.0	6.4	59	17.8	93	10.7	1.8	.96	.56	.56	.83
29	.84	1.6	5.4	55	-	115	9.6	1.8	.94	.73	.56	.84
30	.99	2.2	4.2	51	-	52	9.1	1.7	1.0	.60	.51	.69
31	1.0	-	4.4	45	-	42	-	1.5	-	.56	.64	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	37.52	4.4	0.60	1.21	74
November	39.27	2.5	.84	1.31	78
December	212.9	47	1.2	6.87	422
Calendar year					
January	1,135.1	151	4.1	36.6	2,250
February	613.6	57	7.7	21.9	1,220
March	903.0	115	9.9	29.2	1,790
April	1,138.6	117	9.1	38.0	2,260
May	106.2	7.6	1.5	3.43	211
June	32.94	1.6	.74	1.10	65
July	21.30	1.1	.56	.687	42
August	16.65	.69	.29	.537	33
September	21.43	.94	.51	.714	43
Water year 1934-35	4,279.31	151	.29	11.7	8,490

Missouri Flat Creek at Pullman, Wash.

Location.- Water-stage recorder, lat 46°43'50", long. 117°11', in NE¼ sec. 6, T. 14 N., R. 45 E., 600 feet above mouth at State Street crossing in Pullman.

Records available.- February 1934 to September 1935.

Extremes.- Maximum discharge during year, 290 second-feet Jan. 24 (gage height, 2.66 feet); no flow July 14-28, 30, 31, Aug. 1-17, 22.
1934-35: Maximum and minimum discharges as recorded above.

Remarks.- Records excellent except those for Dec. 31, Jan. 15-17, 18-24, Apr. 2-7, which are fair and which were estimated on basis of records on nearby streams. No diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0.01	0.21	0.98	3.3	36	16.2	25	2.9	0.21	0.10	0	0.01
2	.01	.19	.64	3.5	30	10.4	19.0	2.6	.19	.08	0	.01
3	.01	.37	.59	3.6	27	10.2	18.0	2.2	.19	.07	0	.01
4	.01	.34	.67	5.9	23	8.4	29	2.0	.17	.06	0	.01
5	.01	.61	.56	27	21	7.7	45	1.9	.16	.04	0	.01
6	.01	.59	.42	49	17.9	7.9	29	1.8	.16	.02	0	.01
7	.01	.37	.37	44	14.7	8.7	50	1.6	.14	.05	0	.01
8	.01	.25	.37	36	11.2	18.7	85	1.4	.10	.13	0	.01
9	.01	.19	.37	27	9.1	16.5	42	1.3	.07	.16	0	.01
10	.01	.12	.32	16.6	8.7	12.0	29	1.1	.07	.09	0	.01
11	.01	.12	.28	13.5	6.8	21	22	1.0	.10	.02	0	.01
12	.01	.12	.32	13.9	7.8	40	20	1.0	.16	.01	0	.01
13	.01	.12	.42	13.6	9.1	46	22	1.0	.21	.01	0	.01
14	.01	.12	.51	11.5	8.8	29	10.2	.97	.32	0	0	.01
15	.02	.12	.50	11.0	7.0	19.8	58	.97	.42	0	0	.01
16	.02	.12	.56	11.0	6.6	16.3	36	1.2	.28	0	0	.01
17	.02	.16	1.0	10.2	9.9	18.8	17.9	1.4	.19	0	0	.01
18	.04	.42	1.3	9.1	25	13.6	18.7	1.0	.14	0	.01	.01
19	.03	.42	2.2	8.2	38	11.6	14.2	.85	.10	0	.01	.01
20	.07	.53	20	7.0	27	10.9	11.2	.70	.10	0	.01	.01
21	.22	.67	38	6.3	26	12.0	38	.64	.10	0	.01	.01
22	.06	.45	25	6.4	46	7.2	14.6	.59	.09	0	0	.01
23	.55	.35	10.6	24	23	6.9	32	.47	.04	0	.01	.01
24	4.2	.30	11.0	164	16.4	12.0	15.9	.45	.04	0	.01	.01
25	3.8	.45	7.5	123	11.3	24	9.1	.42	.04	0	.01	.01
26	.61	.35	7.4	89	10.7	13.8	7.1	.39	.04	0	.01	.01
27	.28	.52	5.7	65	11.3	42	4.8	.37	.04	0	.01	.01
28	.19	.70	4.3	53	15.7	91	4.2	.35	.04	0	.01	.01
29	.16	.93	3.9	49	-	90	4.0	.30	.07	.01	.01	.01
30	.16	1.1	2.8	45	-	38	3.4	.32	.07	0	.01	.01
31	.16	-	3.4	39	-	32	-	.28	-	0	.01	-

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	10.73	4.2	0.01	0.346	21
November	11.31	1.1	.12	.377	22
December	151.98	38	.28	4.90	301
Calendar year					
January	988.6	164	3.3	31.9	1,960
February	505.0	46	6.6	18.0	1,000
March	712.6	91	6.9	23.0	1,410
April	734.3	85	3.4	24.5	1,460
May	33.47	2.9	.28	1.08	66
June	4.05	.42	.04	.135	8.0
July	.85	.16	0	.027	1.7
August	.13	.01	0	.004	.26
September	.30	.01	.01	.010	.60
Water year 1934-35	3,153.32	164	0	8.64	6,250

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.

Records available.- March 1934 to September 1935.

Extremes.- Maximum discharge during year, 786 second-feet Jan. 24 (gage height, 4.13 feet); no flow Oct. 1-21, July 16 to Sept. 30.
1934-35: Maximum discharge, that of Jan. 24, 1935; no flow July 11 to Oct. 21, 1934, July 16 to Sept. 30, 1935.

Remarks.- Records excellent except those for Jan. 12-16 and 18-20, which were estimated because of ice, on basis of records for nearby streams. No diversions or regulation.

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

Day	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.
1	0	0.56	3.4	9.2	64	45	60	14.7	1.3	0.18		
2	0	.60	2.3	10.2	58	31	50	13.3	1.2	.18		
3	0	.94	1.8	12.1	52	31	45	11.7	1.0	.18		
4	0	1.4	2.0	18.9	47	26	52	10.7	.99	.15		
5	0	3.1	2.2	83	46	25	88	10.3	.89	.12		
6	0	2.5	1.7	83	41	26	80	9.5	.74	.13		
7	0	1.3	1.5	85	37	27	90	8.6	.64	.26		
8	0	.94	1.4	84	29	45	199	7.7	.56	.18		
9	0	.79	1.4	57	23	30	96	7.0	.51	.34		
10	0	69	1.2	37	23	26	65	5.9	.47	.28		
11	0	.69	1.2	28	21	48	53	5.6	.47	.18		
12	0	.69	1.2	27	27	94	47	5.6	.80	.10		
13	0	.60	1.7	27	28	112	55	5.2	.99	.06		
14	0	.60	2.1	26	27	61	35	4.8	.99	.03		
15	0	.64	1.9	26	22	42	114	4.8	1.4	.02		
16	0	.60	2.2	25	21	35	95	5.5	1.2	0		
17	0	.60	3.1	25	30	38	49	8.2	.89	0		
18	0	.99	5.1	22	63	33	46	5.2	.64	0		
19	0	1.4	6.7	19	68	29	40	4.2	.51	0		
20	0	1.7	45	16	52	25	34	3.5	.39	0		
21	0	1.9	88	13.7	58	32	89	3.1	.36	0		
22	.56	1.7	68	17.3	117	26	43	2.7	.29	0		
23	.82	1.3	33	65	60	24	101	2.4	.23	0		
24	1.5	1.0	32	502	42	36	50	2.2	.20	0		
25	2.9	1.2	23	302	32	75	37	2.1	.16	0		
26	1.9	1.6	24	195	29	51	30	2.0	.16	0		
27	1.1	1.8	21	133	31	118	24	1.9	.16	0		
28	.76	2.4	16.4	106	39	224	22	1.8	.15	0		
29	.56	2.5	13.2	90	-	204	20	1.7	.14	0		
30	.50	3.5	10.4	78	-	87	18.5	1.6	.15	0		
31	.47	-	10.5	71	-	74	-	1.4	-	0		

Month	Second-foot-days	Maximum	Minimum	Mean	Run-off in acre-feet
October	11.07	2.9	0	0.357	22
November	40.23	3.5	.56	1.34	80
December	428.6	88	1.2	13.8	850
Calendar year					
January	2,293.4	502	9.2	74.0	4,550
February	1,187	117	21	42.4	2,350
March	1,780	224	24	57.4	3,530
April	1,827.5	199	18.5	60.9	3,620
May	174.9	14.7	1.4	5.64	347
June	18.58	1.4	.14	.619	37
July	2.39	.34	0	.077	4.7
August	0	0	0	0	0
September	0	0	0	0	0
Water year 1934-35	7,763.67	502	0	21.3	15,390

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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 year ending Sept. 30, 1935

Date	Stream	Tributary to or diverting from-	Locality	Discharge
				sec.-ft.
July 24	Trail Creek.....	Teton River....	Above all diversions near Victor, Idaho..	94.3
Aug. 1	....do.....	....do.....	....do.....	80.2
6	....do.....	....do.....	....do.....	78.1
17	....do.....	....do.....	....do.....	63.5
22	....do.....	....do.....	....do.....	64.2
28	....do.....	....do.....	....do.....	53.2
Sept. 5	....do.....	....do.....	....do.....	47.7
11	....do.....	....do.....	....do.....	45.3
July 24	Game Creek.....	Trail Creek....	At mouth near Victor, Idaho.....	32.8
Aug. 1	....do.....	....do.....	....do.....	26.7
6	....do.....	....do.....	....do.....	24.1
17	....do.....	....do.....	....do.....	17.6
22	....do.....	....do.....	....do.....	14.7
28	....do.....	....do.....	....do.....	13.7
Sept. 5	....do.....	....do.....	....do.....	12.7
11	....do.....	....do.....	....do.....	11.6
July 26	Darby Creek.....	Teton River....	Above all diversions near Driggs, Idaho..	42.5
Aug. 24	....do.....	....do.....	....do.....	19.4
Sept. 5	....do.....	....do.....	....do.....	12.5
July 26	Teton Creek.....	....do.....	....do.....	140
Aug. 24	....do.....	....do.....	....do.....	45.8
Sept. 6	....do.....	....do.....	....do.....	26.6
July 25	Fox Creek.....	....do.....	....do.....	31.2
30	....do.....	....do.....	....do.....	28.0
Aug. 13	....do.....	....do.....	....do.....	16.0
Sept. 5	....do.....	....do.....	....do.....	9.3
July 28	Horseshoe Creek...	....do.....	....do.....	5.8
28	Mahogany Creek....	....do.....	....do.....	5.9
28	Packsaddle Creek..	....do.....	Above all diversions near Tetonia, Idaho.	1.6
26	South Leigh Creek.	....do.....	....do.....	39.0
Aug. 24	....do.....	....do.....	....do.....	14.1
Sept. 6	....do.....	....do.....	....do.....	7.7
July 26	North Leigh Creek.	....do.....	....do.....	22.1
Aug. 24	....do.....	....do.....	....do.....	7.6
Sept. 6	....do.....	....do.....	....do.....	4.9
Apr. 1	West Fork of Fish Creek.	Fish Creek.....	Sec. 3, T. 1 N., R. 22 E., 1¾ miles above mouth, about 11 miles northeast of Carey, Idaho.	*.10
26	....do.....	....do.....	....do.....	e.15
May 19	....do.....	....do.....	....do.....	.63
June 17	....do.....	....do.....	....do.....	e.15
July 13	....do.....	....do.....	....do.....	*.2
Aug. 13	....do.....	....do.....	....do.....	*.09
Sept.23	....do.....	....do.....	....do.....	*.12
Oct. 12	Malheur River.....	Snake River....	Below South Fork, near Riverside, Oreg...	6.7
12	....do.....	....do.....	NW¼ sec. 5, T. 22 S., R. 38 E., above Allen Dam, Oreg.	9.5
11	North Fork of Malheur River	Malheur River..	Sec. 33, T. 18 S., R. 37 E., at former station at Scott ranch, near Beulah, Oreg.	30.9
11	....do.....	....do.....	SW¼ sec. 15, T. 19 S., R. 37 E., below Agency Dam, Oreg.	21.5
12	....do.....	....do.....	SE¼ sec. 27, T. 20 S., R. 37 E., near Juntura, Oreg.	11.1
11	Warmsprings Creek.	North Fork of Malheur River	SE¼ sec. 2, T. 19 S., R. 37 E., at bridge, Oreg.	1.0
10	Willow Creek.....	Malheur River..	At Brogan, Oreg.....	0
10	Middle Fork of Willow Creek	Willow Creek...	Highway crossing above mouth, near Ironside, Oreg.	Trace
10	Beam Creek.....	Willow Creek...	Mouth, near Ironside, Oreg.....	0
10	South Fork of Willow Creek	....do.....	Highway crossing above mouth, near Ironside, Oreg.	0
10	Pole Creek.....	....do.....	NW¼ sec. 23, T. 15 S., R. 42 E., near Brogan, Oreg.	0
13	Middle Fork of Burnt River	Burnt River....	NW¼ sec. 22, T. 12 S., R. 36 E., at bridge near Unity, Oreg.	*1.0
13	South Fork of Burnt River	....do.....	NE¼ sec. 6, T. 13 S., R. 37 E., at bridge near Unity, Oreg.	6.4
13	Job Creek.....	....do.....	At Unity, Oreg.....	0
13	East Fork of Camp Creek	Camp Creek.....	NE¼ sec. 1, T. 14 S., R. 37 E., at bridge near Unity, Oreg.	*.1
14	West Fork of Camp Creek	....do.....	Mouth, near Unity, Oreg.....	*.05

*Estimated.

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