WATER DISTRIBUTION OF BOISE RIVER DISTRICT 63 1980

REPORT ON

CANAL DELIVERIES FROM

BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE

DELIVERIES FOR THE IRRIGATION SEASON

OF 1980

(DATA FOR THIS REPORT GATHERED BY THE WRITER WHILE ACTING IN THE CAPACITY OF WATERMASTER OF THE BOISE RIVER.)

(COOPERATIVE DATA ALSO FURNISHED BY THE UNITED STATES BUREAU OF RECLAMATION.)

BY

HENRY KOELLING

WATERMASTER, BOISE RIVER

CHARTS

1. Shows daily discharge from Lucky Peak Reservoir for current year.
2. Shows the natural flow of the Boise River by days for the period from 1941 to date.
3. Shows mean daily flow of Boise River for an 80 year period.
3A. Shows natural flow for years when production exceeded 2,700,000.
4. Shows monthly and annual flow of Boise River in acre feet, for the irrigation year of 1894 to date.
5. Daily discharge of all canals for the irrigation season.
6. Summary chart in acre feet showing monthly and total canal diversion for the irrigation season.
7. Summary chart showing total annual diversions for all Boise Valley canals beginning in 1967.
8. Shows acre feet per acre diverted by Boise Valley canals for each irrigation season beginning 1965.
9. Shows acreage under all canals in the Boise Valley.
10. Storage used for the irrigation season.
11. Reservoir space allocation of all reservoirs located on the Boise River.
12. Shows daily discharge of all principal tributary streams feeding water to the Boise River below Diversion Dam for the irrigation season 1 April thru 15 October.
13. Summary chart in acre feet showing monthly and total drain discharges for the irrigation season.
14. Chart showing entire Boise River at Diversion Dam, canal deliveries, tributary gain, seepage gain and net gain, by months in acre feet, for the irrigation season.
15. Shows total discharge of all drains in Drainage District #2 for the irrigation season.
16. Chart showing total discharge of all drains in Drainage District #3 and #4 for the irrigation season.
17. Summary chart of the return flow to Boise River between Diversion Dam and Snake River for the last 15 years.
20. Shows distribution of drainage water to various canals.
21. Shows Intervenors Decrees on Boise River (Intervenors in the Stewart Decree) giving priority number, date and amount decreed.
22. Shows changes in point of diversions of decreed rights on the Boise River.
23. Shows transfers of decreed rights on the Boise River.
24. Condensed chart of Stewart Decree showing dates of priority and amount decreed.
25. Chart showing the Stewart, Intervenor and Bryan Decrees grouped under canal headings.
26. Charts in second feet showing the Stewart Decreed rights and the approximate natural flow needed to fill the rights to 100%, 75% and 60%.
27. Chart in second feet showing the Bryan Decreed rights and the approximate natural flow needed to fill the rights to 100%, 75% and 60%.

ORGANIZATION

The annual meeting of Water District #63 was held January 14, 1980 at 10:00 a.m. in the Valley View Grange Hall, Ada County, Idaho.

Mr. Henry Koelling was elected Watermaster and was authorized to hire the necessary assistants to regulate the distribution of the waters of Water District #63.

The following waterusers were elected to serve on the Advisory Board:

M. A. Watkins, Chairman
Howard Kent, Secretary
Henry Dalrymple
John Gale
Carl German
Fred Houston
Wendell Knight
L. C. Mace
L. L. Murgoitio
Wayne Naugle

Any other meetings held during the year are subject to call by the Chairman of the Advisory Board.

Cooperative assistance is rendered by the Boise Project Board of Control in current meter work, for which proper remuneration is made.

We take this opportunity to express our appreciation and gratitude for the assistance of the Department of Water Resources and the Central Snake Office of the Water and Power Resource Service.

DECREES

Stewart Decree:

The old water rights from the Boise River are included in the decree in the case of FARMERS COOPERATIVE DITCH COMPANY, a Corporation, vs. RIVERSIDE IRRIGATION DISTRICT, LTD., a Corporation, et al, signed by District Judge George H. Stewart, January 18, 1906, commonly referred to as the "Stewart Decree". This case was appealed to the Supreme Court and affirmed as to priorities and acreage, but remanded to the District Court for the sole and only purpose of determining the duty of water. In 1914 testimony was taken before the Court as to the duty of water and was transcribed, which consists of approximately 2,630 typewritten pages. The final decree of the court as to the duty of water has never been entered. However, Judge E. L. Bryan, Judge of the District Court of the Seventh Judicial District of the State of Idaho, issued a continuing order on May 31, 1919, which is still in effect, providing for the distribution of waters of the Boise River in the following manner, to-wit:

"The various rights, as adjudicated in the so-called "Stewart Decree", shall receive 100 percent, until the natural flow of the waters of the Boise River shall decrease, until all the rights in said decree cannot receive 100 percent, at which time the various rights as adjudicated in the so-called "Stewart Decree" shall first be cut to 75 percent of the amount of water decreed by the "Stewart Decree" as the natural flow of the Boise River decreases, beginning with the latest rights and proceeding to the

earliest rights in the order fixed in said Stewart Decree, and after all of the rights shall have been reduced to 75 percent of the amount fixed in the Stewart Decree, should the natural flow of the waters in Boise River decrease below the amount necessary to supply said 75 percent of the water rights as decreed in said Stewart Decree, then the various rights beginning with the latest and proceeding to the earliest, as aforesaid, shall be reduced to 60 percent of the amount specified in the Stewart Decree, and 60 percent of the amount decreed in the Stewart Decree is hereby fixed and determined as the highest duty of water for year 1919.

Bryan Decree:

In the SEVENTH JUDICIAL DISTRICT of the State of Idaho, Judge Ed. L. Bryan signed a decree on February 14, 1929, in the case of PIONEER IRRIGATION DISTRICT vs. AMERICAN DITCH ASSOCIATION, et al, commonly referred to as the "Flood Water Suit", or "Bryan Decree". All rights decreed in this case are made subsequent to the Stewart Decree. This case was appealed to the Supreme Court where it was upheld as to some of the rights involved but remanded to the District Court for retrial on the question of the duty of water and also for the purpose of determining certain other rights.

On January 30, 1932, Judge A. O. Sutton signed an order temporarily establishing the various rights in the Flood Water Suit and providing for a duty of water similar to the "Sliding Scale" in the Stewart Decree. On June 23, 1933, Judge Chas. E. Winstead of the THIRD JUDICIAL DISTRICT, sitting as Judge in the SEVENTH JUDICIAL DISTRICT for the State of Idaho, signed a continuing order making the order of Judge Sutton for 1932 effective for 1933 and continuing. This order has remained in effect since that time.

Chart 26 relates to the Stewart Decree and shows the following information: Number of priority, name of canal presently diverting, amount of decree in second feet, showing 100 percent, 75 percent and 60 percent, and section of river in which point of diversion is located. It also shows the amount of natural flow necessary at Diversion Dam to fill the various rights in the Stewart Decree, including intervenors, to 60 percent 75 percent and 100 percent. It is assumed that the return flow to Sections 2 and 3 of the river would fill the rights with points of diversion in those sections of the river to 75 percent of the amount decreed.

Chart 27 shows the decreed rights contained in the Bryan Decree or Flood Water Decree. It shows the date of priority, name of water user to whom the decree was issued, amount of decree in second feet, showing 100 percent, 75 percent and 60 percent. It also shows the amount of natural flow necessary at Diversion Dam to fill the various rights in the Flood Water Decree to 60 percent, 75 percent and 100 percent.

TRIBUTARY GAIN

Data was gathered and compiled on all principal tributary streams feeding water to the Boise River below Mores Creek.

Chart 12 shows the daily discharge of the tributary streams.

Chart 13 shows a monthly summary of discharges of the drains.

NET GAIN

Chart 14 shows the total flow of the Boise River passing Diversion Dam, canal deliveries, and gain to the river by months in acre-feet.

RIVER FLUCTUATION

The river flow was very steady, there being very few fluctuations. A change of gates at Lucky Peak sometimes results in a slight change in

discharge. A remote control gage, which makes a permanent record and shows the gage height at all times in the power house at Diversion Dam, has been installed and it gives a fair record of the flow below Diversion Dam. It varies if the flow is changed from the generators to the roll gate or over the check boards.

CLASSIFICATION OF RIVER

The Boise River naturally divides itself into three separate and distinct parts. Section 1 includes the part of the river which lies between the Government Diversion Dam and the Caldwell High Line Canal about a mile below the town of Star. Section 2 includes that section which lies between the Caldwell High Line Canal and the Notus Bridge. Section 3 includes that part of the river between the Notus Bridge and the Snake River.

SECTION I

Chart 14 shows the condition that existed in the entire river during the period July 1 to November 1. This section is under complete regulation by the watermaster. All water is measured and divided according to the decrees and licenses, which are set by the courts and State laws.

SECTION 2

All water in this section is measured, but operation is more liberal than in Section I, due to return flow, so regulation is somewhat relaxed with very little storage water required.

SECTION 3

This section of the river is operated without any regulation what so ever, but it is measured and recorded the same as Section I and 2.

The return flow to Section 3 was sufficient to take care of all rights in this section during most of the season, and therefore no regulations were required. In fact, during all the years on record on the distribution of the waters of Boise River, beginning with 1914, there has been only one year - 1931 - during which it was necessary to regulate diversions from this section of the river, and during that year it was not necessary to run water past the Notus Bridge to supply the rights below.

The final determination of the duty of water, both in the "Stewart Decree" and the "Bryan Decree", is still pending in the District Court at Caldwell, Idaho. The writer's views are pretty well expressed in the following quotations for "REPORT ON CONSUMPTIVE USE--NET DUTY OF WATER-- As Related to the Proper Adjudication of Water Rights on the Boise River", by W. G. Steward. Mr. Steward was formerly employed by the United States Reclamation Service in charge of Hydrographic work on the Boise River, and also for several years he was an instructor at the University of Idaho on the same subject. He has made a very comprehensive study of the duty of water, especially on the Boise River, and was well qualified on that subject. For these reasons the following quotations are submitted with the endorsement of the writer:

1. "That a duty of water, if established, should be subject to change when conditions warrant. Conditions are continually changing. Our knowledge and methods of irrigation are improving. An arbitrary duty that would meet all requirements today might prove entirely inadequate fifty years from now. Posterity should not be handicapped by our present day limitations.

2. "A duty, if established now, should be construed to mean a headgate,

duty, or duty at the point of diversion.

3. "The best information at hand today would indicate that a duty, if established, should conform very closely to the so-called "sliding scale", as provided in the order issued by Judge Ed. L. Bryan on May 31, 1919. That if the present law does not permit the court to render a decision on the duty of water conforming closely with the above suggestions, the water users of the valley should arrange, by stipulation, for the delivery of water along the above suggested lines until such time as conditions have changed so as to warrant new distribution.

4. "That an exception to the "sliding scale" should be made in the case of porous-gravel, river bottom lands, lying adjacent to and under the upper section of the river as per the Stewart Decree, to the extent that these lands should be allowed to divert such amount of water as their crops require and at such times as it is needed, because no matter how much is diverted, all but a very small amount almost immediately returns to the river flow. Most canals have been required to purchase storage water to supplement their natural flow rights.

5. "That said lands entitled to above exceptions should be determined before a decree is entered or stipulation is signed."

The court order providing for the "sliding scale cuts", under which the Boise River has been operated for about fifty years, has proven very satisfactory when the entire valley is taken into consideration. This court order is given in full on Page 2 of this report.

Chart 6 shows the amount in acre-feet diverted each month and the total amount diverted for the season by the canals in the Boise Valley.

Chart 8 is a table showing acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning in 1965. A similar record showing

the acre-feet per acre diverted for 50 principal canals in the Boise Valley, beginning 1916, and one beginning 1947, may be found in previous annual reports. The amount shown under the column "Acre Feet Per Acre" cannot be construed as a duty of water for the lands of the Boise Valley, due to the large and varying quantities of return flow water picked up by many of these canals.

DRAINAGE

Chart 15 shows the total drainage discharge for Drainage District No. 2 for the current season and a summary for the same. This drainage district embraces an area of 29,000 acres situated on the north side of Boise River between the City of Boise and the canyon near Caldwell.

Chart 16 is a table showing the discharge of all drains in both Drainage Districts No. 3 and No. 4. Drainage District No. 3, frequently referred to as the "South Boise Drainage District", is situated in South Boise. This district, comprising an area of 4,200 acres, has four drainage canals, all outlets emptying into the Boise River. Drainage District No. 4 frequently referred to as the "Thurman Drain", comprises an area of approximately 2,500 acres and is situated south of the Boise River and opposite the town of Eagle. This district has only one outlet to the Boise River.

Chart 17 is a table showing the average return flow to the Boise River for a 15 year period.

Chart 20 shows the method used in apportioning the drainage water to the various canals under the several court orders.

INTERVENORS

Chart 21 is a table showing the decrees obtained by intervenors in the case of Farmers Cooperative Ditch Company, Plaintiff, vs, Riverside Irrigation District, Ltd., et al, Defendants.

CHANGES IN POINT OF DIVERSION

Chart 22 is a table showing the change in the point of diversion of

decreed rights on the Boise River as recorded in the office of the State Department of Water Administration.

TRANSFERS

Chart 23 is a table showing the transfer of decreed rights on the Boise River as recorded in the office of the State Department of Water Administration.

STEWART DECREE

Chart 24 is a condensed table of the Stewart Decree.

Chart 26 is a table showing decreed rights contained in the Stewart Decree and the natural flow at the Diversion Dam necessary to fill the same.

STEWART AND BRYAN DECREES GROUPED ALPHEBETICAL BY CANAL HEADINGS

The tables, in charts, have been compiled for the benefit of those canal companies which have more than one date of priority. These tables also include the transfers and changes in point of diversion. They show the date and amount of each priority and the total amount decreed.

BRYAN DECREE

Chart 27 is a table showing decreed rights contained in the Bryan Decree and the natural flow necessary at the Diversion Dam to fill the same.

WATERSHED

The following is quoted from the 1947 report:

"The question of watershed protection will always be of paramount importance to the water users of Boise Valley. It is regrettable, however, that in matters of this kind the people of the valley generally are too much inclined to take the attitude of "Let George Do It". The preservation of present day water users but for generations yet to come, should have the

constant attention and consideration of all concerned. It is the opinion of the writer that this resource, which is of such importance to the entire populace of the Boise Valley, should remain under federal control.

FLOOD CONTROL

With three dams on the river, flood damage should be held to a minimum. there will still be some damage along the river from erosion until such time as protecting levees can be built in certain places on both banks of the river.

An agreement has been entered into between the Army Engineers, the Bureau of Reclamation and the water users whereby Arrowrock, Anderson and Lucky Peak Reservoirs will be used jointly for both irrigation and flood control. It is anticipated with this arrangement, the three reservoirs plus irrigation diversions will control the more frequent floods of 6,500 C.F.S. or less at Boise. However, although major floods will be regulated to a considerable degree, there is sufficient storage to control these more rare floods to river capacity and some flooding downstream will occur.

CANAL REGULATIONS

Canal regulation in 1980 began on July 9 and was required for the balance of the irrigation season. Chart 5 shows daily canal diversions in C.F.S. for the period of April 1 thru October 15.

Chart 6 shows the monthly and total diversions in acre feet for the Boise River for the irrigation season.

Chart 7 is a table showing the return flow, canal diversions, winter diversions and flood control loss for the entire Boise Valley for each season beginning 1967 to date. Previous reports show the same information from 1915 to 1966 inclusive.

BOISE RIVER NATURAL FLOW AND AVAILABLE WATER SUPPLY

The total natural flow for the Boise River during the Calendar year of 1980 was 2,099,524 acre feet and for the irrigation year 1 October, 1979 to 30 September, 1980 was 2,059,364 acre feet.

Irrigation started on the Boise River System 4 April, and by the end of April nearly all canals were diverting water from the River.

The demand for water was normal and steady for the entire irrigation season. There was not enough rain during the irrigation season to curtail the use of water of any significant amount. The demand for water was at a reduced rate for September and October, as most crops were matured by the end of August.

The water supply on all three sections of the River was excellent the entire year. The drains produced more water than could be used. The natural flow required a flood control operation from 27 April, until 6 July, certainly an abundance of water on the Boise River for 1980.

The peak flow of the River was 12,958 c.f.s. on 7 May and the lowest flow, 212 c.f.s. on 10 October.

The irrigation season ended on 15 October and on that day the Idaho Department of Fish and Game began a release of 150 c.f.s. of their Lucky Peak storage water. This release will continue until further notice from the Fish and Game Department, or flood control releases are necessary.

STORAGE WATER

As of 31 December, 1980 there was 287,639 acre feet of water in Anderson Ranch Reservoir, 148,100 acre feet in Arrowrock Reservoir and 223,871 acre feet in Lucky Peak Reservoir, for a total of 659,610 acre feet of water stored on the system.

332 c.f.s. is being released from Anderson Ranch Reservoir, 0 c.f.s. from Arrowrock Reservoir and 150 c.f.s. from Lucky Peak Reservoir. The natural flow of the Boise River 31 December, 1980 was 1512 c.f.s.

CONCLUSIONS

1. That the records and data as compiled in the Watermaster's report for the past fifty years should be continued.

2. That the river naturally divides itself into three sections during the low water period.

3. That the river can be completely dried up at the lower end of Section 1 without injury to the rights in Section 2 during the low water period of each irrigation year.

4. That the return flow is a vital factor and must be considered in the operation of the river.

5. That the transfer of water rights from Section 2 to Section 1 is injurious to the rights already existing in Section 1 and should not be permitted.

6. That the construction of drainage systems in the Boise Valley has changed the irrigation requirements within these districts.

7. That by reason of the construction of these drainage canals certain waters which were formerly lost through seepage, evaporation and deep percolation, or reached the river during the winter months, are probably now reaching the river during the irrigation season and made available for irrigation purposes.

8. That the question of protection of the Boise River watershed should have the constant attention and consideration of the people of this area.

9. That a reasonable program of research work should be continued by the U. S. Forest Service on the Boise River watershed for the purpose of determining to what extent the resources of the watershed may be utilized

without being injurious to the inherent rights of the water users who are dependent upon this resource for a livelihood.

10. That the knowledge and data upon which a permanent duty of water must necessarily be based are constantly being improved and increased.

11. That an arbitrary duty of water, if established, should be subject to change from time to time.

12. That the "Court Orders" under which the Boise River has been operated for approximately 50 years have proven very satisfactory to the Boise Valley as a whole.

13. That if the so-called "sliding scale" should be fixed by the Court as a permanent duty of water for the Boise Valley, then an exception to said "sliding scale" should be made in the case of certain river bottom lands.

14. That mining operations within the bed of the Boise River and its tributaries should not be permitted.

15. That efforts should continue to be made for the construction of protective levees to relieve erosion in certain low places along the river.

16. That some type of program should be adopted for annual repair and channel clearance of the Boise River.

17. That the diversion checks in the Boise River should be of the retractable type to allow free passage of flood control waters.

18. At the present time, 6500 cfs passing the Capital Blvd. Bridge in Boise is the maximum flow to prevent serious flooding downstream. Several years ago this amount of water caused little or no flooding. In March 1975 with a 5000 cfs flow passing Boise, some flooding was experienced, and as the flow increased, also the flooding. Every year the flooding seems to start at a smaller flow. It is my opinion that if some channel cleaning and debris removal is not started, then it is only a matter of time until we will be flooding some land in the Eagle Island area when passing the summer irrigation demand.

TABLE IN SECOND FEET SHOWING THE DAILY OUTFLOW OF
LUCKY PEAK RESERVOIR FOR THE YEAR OF 1980

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	100	100	1100	1150	7500	6500	5010	4420	3680	2350	150	150
2	100	100	1100	1150	7500	6500	5000	4420	3580	2050	150	150
3	100	100	1100	1150	7500	6500	5200	4420	3550	2050	150	150
4	100	100	1150	1150	7500	6500	5200	4420	3450	2050	150	150
5	100	100	1150	1150	7500	7000	5200	4340	3380	2050	150	150
6	100	100	1150	1150	8000	7000	5200	4310	3350	2050	150	150
7	304	100	1150	1150	8500	7000	4600	4280	3350	2050	150	150
8	0	100	1150	1150	8500	7000	4600	4250	3350	2050	150	150
9	50	100	1150	1150	8500	7000	4600	4250	3320	2050	150	150
10	100	100	1150	1150	8500	6677	4500	4280	3320	2050	150	150
11	100	100	1150	1150	8500	5667	4600	4280	3290	283	150	150
12	100	100	1150	1392	8500	5500	4600	4280	3190	400	150	150
13	100	100	1150	1350	8500	5500	4570	4280	3040	400	150	150
14	100	100	1150	1433	8500	5500	4570	4240	2840	400	150	150
15	100	100	1150	1800	8000	5500	4540	4240	2840	400	150	150
16	100	100	1150	2200	7000	5500	4510	4210	2700	150	150	150
17	100	100	1150	2300	6000	5500	4510	4210	2650	150	150	150
18	100	100	1150	2288	6000	5500	4480	4210	2600	150	150	150
19	100	100	1150	2300	6000	5500	4480	4210	2517	150	150	150
20	100	100	1150	2300	6000	6042	4450	4130	2450	150	150	150
21	100	100	1150	2600	6000	7729	4450	4050	2450	150	150	150
22	100	100	1150	2900	4500	8792	4420	4050	2350	150	150	150
23	100	100	1150	3250	4500	9000	4420	4050	2350	150	150	150
24	100	100	1150	3450	5333	9000	4420	4050	2350	150	150	150
25	100	100	1150	2950	5500	8042	4420	4050	2350	150	150	150
26	100	608	1150	3235	5500	5250	4420	3950	2350	150	150	150
27	100	600	1150	5000	5990	5000	4420	3920	2350	150	150	150
28	100	900	1150	6000	6000	5500	4420	3800	2350	150	150	150
29	100	1000	1150	6500	6000	5500	4420	3750	2350	150	150	150
30	100		1150	7500	6000	5500	4420	3650	2350	150	150	150
31	100		1150		6500		4420	3675		150		150
TOTAL CFS.	3154	5608	35,500	73,398	214,323	192,699	143,070	128,675	86,047	25,083	4500	4650
AC. FT.	6308	11,216	71,000	146,796	428,646	385,398	286,140	257,350	172,094	50,166	9000	9300

TOTAL CFS. 916,707

AC. FT. 1,834,414

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

JANUARY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	953	664	662	690	704	967	890	959	778	857	761	699	622	926	1026	929	927	878	884	888	890	886	884	917	1030	1215	1172	942	811	808	911	27,130
1942	869	647	1027	927	737	737	737	999	1000	1157	1052	1051	841	946	946	621	731	1306	866	756	866	748	976	1119	1265	1511	1172	1323	1489	1388	1281	31,091
1943	4510	4934	3711	2796	2572	2257	2026	1701	1730	1701	1554	1337	1344	1519	1550	1636	1300	1110	1315	2010	2179	3728	4603	4259	3563	3199	2987	2703	2505	2250	2006	76,595
1944	998	895	979	759	575	685	876	673	670	671	674	676	684	688	962	934	945	1042	827	824	822	722	730	940	827	828	823	733	748	744	752	24,706
1945	796	703	662	668	803	810	747	1120	1193	1040	1035	899	902	1300	1461	1305	1169	1052	1034	1035	704	830	739	663	816	806	737	774	772	684	876	28,135
1946	2583	2013	2128	1723	1881	1631	1219	1544	1282	1045	1240	920	878	1057	983	866	1214	1246	1157	1111	940	1164	1117	1362	1209	1045	1073	1104	993	952	1085	39,765
1947	820	1062	923	620	688	986	1017	1018	905	903	1186	1033	1074	1052	788	753	786	733	1073	1245	1132	1276	865	1119	1114	1125	1157	914	920	987	908	30,182
1948	661	943	884	972	1020	1111	1140	2183	2282	1653	1571	1494	1005	866	810	842	940	948	964	827	872	924	1244	1208	1030	906	760	481	545	766	909	32,761
1949	866	878	818	730	730	825	800	822	861	868	773	760	777	824	850	850	841	814	785	780	788	806	811	793	732	686	719	722	727	765	738	24,519
1950	642	735	654	772	509	644	848	894	903	955	952	708	558	884	624	760	832	706	767	1079	1300	1874	2235	2173	1789	1238	1257	1186	1271	1019	833	31,601
1951	1130	993	1241	1259	997	1017	1000	748	949	1190	1294	1188	1361	1172	1120	1231	1404	1165	1058	1107	1050	1321	1324	1154	1252	1219	1404	1171	747	946	762	34,974
1952	797	526	852	469	1008	989	898	1201	1046	936	1194	1463	1735	903	1285	1345	1618	581	1254	1132	974	966	1374	1249	1256	975	1502	1015	1079	1120	1379	34,321
1953	806	694	1346	785	691	810	1165	731	1103	1275	1657	1090	1736	2332	1738	1740	1662	2309	4391	3813	2852	2256	1732	1452	1546	1524	1085	1647	1698	1258	1544	50,468
1954	278	1799	1016	784	1240	1021	466	974	1062	995	586	662	975	897	824	955	1091	947	1096	1069	787	699	1242	1207	1259	990	1389	1001	1500	1635	1687	32,133
1955	851	805	705	550	786	1101	299	364	84	955	1198	1206	588	925	750	804	596	567	967	677	93	720	731	1513	1082	728	753	416	686	783	1075	23,358
1956	3113	3390	1830	2272	2298	2506	1782	2126	1688	1674	1593	1851	1841	1843	2197	5154	2314	2822	3641	2838	3115	2743	2933	2913	2149	2064	2359	1564	2367	1434	1192	73,606
1957	863	943	1057	1163	325	911	694	290	1034	977	681	1008	707	1042	1493	595	1022	687	907	483	1087	1155	727	788	915	998	648	837	922	721	544	26,224
1958	381	758	230	655	926	421	680	603	787	1170	1363	1120	910	853	1153	808	932	1216	750	553	546	781	895	1215	747	1095	396	1760	552	1399	1186	26,841
1959	1244	1185	672	589	372	1161	1076	1210	1664	871	860	1010	1639	1733	1350	1523	1413	1010	1443	1033	1052	741	1286	1382	1687	1578	1356	1980	1390	1594	1129	38,233
1960	924	626	635	758	616	548	1834	(-96)	1760	1156	666	959	1091	515	1082	428	688	489	758	598	682	924	1179	965	607	840	1051	800	753	987	1009	25,832
1961	977	574	545	754	496	685	687	849	673	931	762	660	701	621	805	891	806	438	611	593	515	476	690	657	701	669	649	582	587	895	747	21,227
1962	685	742	484	817	841	841	1009	1377	1237	1495	853	786	1107	770	931	969	843	916	1002	988	596	787	450	557	882	1069	887	910	912	732	802	27,277
1963	756	1107	1063	1052	910	681	401	732	619	921	663	347	276	367	498	881	780	1009	659	640	762	466	784	551	524	707	960	111	890	750	939	21,806
1964	847	803	1015	712	672	828	1147	836	670	579	748	788	775	634	544	866	770	934	991	1356	756	797	798	842	1009	966	908	916	741	805	1032	26,085
1965	3669	2725	2775	2824	2681	2701	2594	2336	1813	2160	2321	2011	1836	1893	1941	1557	1885	1872	1915	1721	2169	1922	2085	2359	2173	1776	1996	2706	4124	6216	7442	80,198
1966	1130	961	1047	889	1091	1367	1899	1720	1519	1259	1098	1108	818	1275	1010	1192	730	627	572	830	650	550	1156	1053	1103	784	746	952	862	684	882	31,584
1967	715	739	1534	805	(-25)	900	871	604	968	673	621	544	809	896	988	998	870	986	767	932	1523	2071	1748	1233	1114	1073	1309	1316	1312	1821	2081	32,796
1968	893	830	664	549	664	923	766	582	648	1055	626	831	765	783	909	805	953	763	757	736	663	776	1112	723	167	803	753	613	625	892	891	23,520
1969	816	1260	986	855	1114	1151	1545	1469	1561	1288	1139	1493	2041	1658	2298	2055	1759	1508	1293	1808	3639	6256	5379	3263	3570	1948	2473	2556	2144	2287	1356	63,968
1970	636	609	629	458	847	685	753	641	719	816	873	1274	1088	1102	1413	1537	1670	2488	2060	2677	2475	3784	4324	5054	4261	3990	4065	4557	3384	2713	2007	63,589
1971	1174	1037	825	958	791	653	937	1030	1535	1635	2007	1596	1574	1464	1548	2302	2584	3892	5749	5953	5901	4915	4297	3687	3128	3406	2863	2777	2633	2445	2716	78,012
1972	966	978	1213	789	609	1018	1056	1029	861	1170	1101	1240	1202	1001	932	1043	1043	1300	1976	1820	3121	5188	4295	2899	2478	2073	1943	1653	1624	1563	1318	50,502
1973	1068	789	1098	920	834	730	717	1068	872	833	1010	1264	1769	1090	1670	1256	2595	2621	1423	1830	1117	948	826	994	1103	1252	999	901	1158	1031	1100	36,886
1974	1381	1035	688	944	1008	866	1291	948	1186	941	764	842	1168	1805	1475	2622	4977	5961	4164	4140	4098	3266	2490	2725	2449	2590	1846	2134	2101	1910	1681	65,496
1975	149	1237	690	601	820	1203	858	1217	933	802	873	819	1033	1143	924	887	1028	834	1031	1125	1015	1053	820	985	1015	1426	1663	1241	1119	966	157	29,667
1976	564	756	1124	1086	1531	474	1154	1084	1391	1320	943	1155	1457	1087	1166	1057	1450	1305	1131	1230	1205	983	898	1244	1387	1266	1166	1141	1375	1207	1206	35,543
1977	577	713	789	873	994	577	605	349	713	639	498	766	795	1069	832	805	935	448	705	683	339	387	1083	1088	474	769	638	423	642	691	775	22,072
1978	1009	887	853	1412	1155	1100	1258	1122	1080	845	1178	1327	1243	1535	1245	1640	2104	2029	1893	1684	1556	1580	1441	1190	1071	1234	1340	1183	1086	1129	1039	40,454
1979	492	497	805	652	757	572	648	640	924	880	1597	1035	896	928	973	465	670	946	849	726	762	773	848	899	1207	501	699	773	548	798	887	24,647
1980	870	842	803	687	797	1024	990	427	840	938	872	1205	1448	1375	2886	2021	2427	2113	1631	1589	1465	1242	1067	1085	955	946	970	949	609	451	1054	36,578

* FOR YEARS 1895 THRU 1940 SHOWN IN PREVIOUS ANNUAL REPORTS

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

FEBRUARY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	817	843	837	937	831	879	1140	1215	1100	1302	1244	1435	1469	1238	1113	1163	1093	994	1041	1131	1069	1053	1369	1529	1776	1535	1284	1342				38,684
1942	1138	1073	1400	1427	1437	1446	1326	1382	1271	1261	1285	1152	1118	861	597	1179	1011	892	739	753	806	1477	1051	1150	952	902	941	1075				31,581
1943	1839	1804	1921	1657	1557	1675	1571	1797	1817	1522	1569	1359	1648	1445	1646	1758	1771	1961	1944	2154	2461	2739	3419	3440	3327	2831	2870	2739				58,287
1944	764	878	1096	809	1046	1165	1032	1090	1159	1270	791	785	773	795	906	1053	867	858	979	842	847	622	916	794	919	798	757	954	780			26,305
1945	799	1012	1467	1571	1010	1077	1048	1210	2213	1737	1486	1353	1399	3131	2857	2032	1874	1350	1396	1309	1302	1115	1086	1077	1051	836	969	1056				40,062
1946	1095	1162	1061	1049	1186	986	1102	1004	914	891	1028	1137	941	961	1074	1366	1281	1238	956	1237	1239	1219	1257	1287	1482	1346	1607	1609				32,964
1947	1014	1222	953	941	993	1075	992	940	944	1148	1146	1230	2090	2423	2039	1886	1897	1937	2143	1786	1741	1834	1951	2025	1972	1832	1961	2578				43,699
1948	878	983	1021	837	836	842	747	913	727	917	666	661	670	902	970	981	917	886	1227	1411	1108	1386	1815	1458	1222	1309	1509	1340	1203			30,240
1949	582	989	932	973	842	855	943	876	787	694	698	792	700	454	734	841	611	739	1165	1074	1795	(-541)	159	827	1055	(-140)	1795	1045				22,657
1950	833	747	675	1415	1134	1344	1272	1182	1256	1239	1091	990	1165	917	1112	1042	1205	1203	1206	1239	1223	1222	1410	1412	1955	2626	2676	2654				37,505
1951	757	835	945	1261	2238	1654	2153	3231	3400	3067	3296	3946	3147	3234	3175	2955	2409	2301	2334	2198	1987	2009	1828	1815	1678	2364	1528	1840				62,933
1952	900	1762	2068	1664	1607	1436	1290	1465	1611	1470	1068	1341	1303	1272	980	1187	1343	1714	1213	1309	1183	1054	1206	1265	941	1120	949	1513	728			38,535
1953	1139	1301	1834	2664	2912	2320	2086	2300	1921	1772	1697	1355	1519	1503	1455	1324	1466	1309	1398	1550	958	1120	1266	1406	1258	811	1271	1117				44,243
1954	1567	1420	940	1367	1387	1208	1363	1399	1252	1423	1432	1654	2038	2230	2217	2083	1365	2003	1663	1663	1379	1713	1379	1447	1626	2120	1886	1904				46,144
1955	687	543	88	232	942	500	754	661	1374	1398	228	603	610	778	968	960	574	723	695	962	725	412	861	863	978	657	736	698				20,222
1956	1667	804	1201	1368	1774	1696	1694	3490	2463	4125	1844	3147	1764	1968	1361	1598	1573	1604	1311	1033	1343	1784	1615	1486	2020	1588	1990	1842	1758			57,235
1957	8	805	1033	2136	1014	710	986	750	1026	94	1862	733	760	1873	1346	741	1229	943	1039	1073	1183	1403	1158	2437	3446	4399	6586	6265				46,440
1958	1813	807	358	1558	897	1182	1005	1034	1201	1098	1211	1217	1392	1957	2689	3463	4304	2500	2199	2982	3745	2215	2809	3325	3682	4557	3324	2774				60,918
1959	1284	1019	993	1125	1434	1258	1114	1242	1150	1043	1242	1174	1086	766	1252	1195	1714	1476	1570	1324	1034	1219	1388	2178	1301	1461	1385	226				34,851
1960	753	887	1088	888	905	826	1402	1402	2714	2270	1409	1453	1146	1237	1003	550	890	1113	700	951	876	950	763	733	886	982	1040	871	865			32,445
1961	1239	913	1003	812	1157	471	864	878	1158	778	1236	1711	1449	1363	946	1322	1324	1222	826	920	798	995	1325	903	945	1048	988	821				29,415
1962	758	786	887	886	1034	900	932	1233	948	1226	1746	1874	2337	2535	2174	2848	1836	1814	1640	1552	1430	1396	1226	1341	1230	1154	1050	1030				35,163
1963	1684	6341	4042	6708	5523	4627	3771	3176	2849	2478	2312	2005	1830	1691	1816	1662	1636	1489	1593	1683	2339	1854	1567	1700	1569	1611	2037	1767				73,562
1964	948	838	1200	893	668	748	821	646	818	1225	804	653	980	1042	830	903	1205	527	1116	963	1032	977	1069	1113	1096	936	857	1007	1042			26,930
1965	7577	3853	4996	4606	4135	3951	3561	3300	3321	3318	2744	2403	2622	2878	2756	2401	2286	2403	2484	2433	2404	2694	2787	2596	2548	2480	2386	3246				91,303
1966	938	834	785	624	544	1038	889	894	832	918	779	700	929	828	679	682	804	955	1211	667	758	842	844	786	867	1178	749	1031				23,585
1967	1920	1593	1297	1383	1396	950	1258	917	1021	1040	1021	1046	1032	1019	1081	1032	954	995	876	1241	342	873	574	1018	1103	1021	855	1166				30,024
1968	930	491	1007	1035	960	503	839	792	685	672	957	847	448	1299	975	822	701	941	1596	1962	3972	4907	3416	4499	4002	3002	2531	2283	2031			49,045
1969	2275	1265	1319	1572	1360	1461	1456	1514	1521	1633	1418	1489	1618	1781	1628	1640	1556	1195	1396	1821	2064	1731	1477	1331	1369	1397	1670	1410				43,567
1970	2083	2080	1706	1698	1484	1460	1332	1451	1395	1417	1548	1688	2003	2283	2006	1844	2078	2284	2380	1961	1804	1808	1888	1848	1878	1904	2001	2004				50,864
1971	2968	3499	3467	3321	3237	2653	2294	2417	2424	2442	2947	3145	2451	3610	3339	3780	3365	3390	3393	3622	2493	3032	2891	2755	2953	2658	2458	2716				83,660
1972	1171	1426	1187	1021	1706	1524	1227	1490	1358	1317	1272	1134	1974	841	1453	1554	1558	1627	2054	1804	1546	1496	2404	2338	2130	2039	2297	2285	5280			50,513
1973	1078	927	659	996	1393	1152	1066	953	1060	723	1150	1231	1043	1005	932	885	718	1195	1445	500	923	949	927	1073	1220	1288	1127	1467				29,085
1974	2267	1693	1808	1814	1796	1491	1357	1351	1136	1587	1506	1660	1527	1685	1515	1101	1963	1798	1823	2357	1773	1432	864	1873	1592	1624	1590	1547				45,470
1975	1085	703	891	1228	1085	820	948	840	1083	1162	1246	980	1928	1987	1084	912	1621	1508	371	1406	1125	938	664	1197	1094	1022	1120	1287				31,929
1976	1298	1207	1653	1582	921	1713	911	1244	1669	758	1400	1107	1310	1178	1233	1509	1468	1452	1318	1497	841	1539	1134	1146	1310	1270	1373	1160	1723			37,926
1977	630	786	633	827	615	654	775	755	729	706	809	741	668	743	744	920	884	822	853	558	563	722	822	749	874	391	733	692				20,370
1978	1088	1080	1008	1368	1340	1398	1901	2194	2282	2252	2215	1952	1723	1626	1587	1680	1365	1342	1368	1303	1454	1348	1518	1486	1746	1814	1723	1754				44,865
1979	454	628	681	776	774	713	748	749	886	535	1006	662	1021	2028	1859	1464	1170	1017	1087	954	1136	1243	971	928	914	1050	963	980				27,479
1980	927	1004	1051	1072	1044	819	826	928	860	804	820	712	710	926	891	1255	1384	1419	1728	4394	3841	2947	2482	2293	2046	2181	1876	1844	2251			45,391

CHART NO. 2

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

MARCH

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	1678	1898	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	1495	1480	1318	1384	1712	1967	1942	1942	1842	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,724
1942	873	1003	1035	1138	1018	1122	1054	1177	1115	1308	1403	1593	1652	1860	1479	1688	1527	1468	1432	1411	1414	1442	1305	1575	1447	1464	1476	1546	1639	1988	2250	43,902
1943	3088	2982	2899	3025	3099	2745	2569	2684	2919	2526	2520	2460	2525	3825	3899	3451	3161	2860	2606	2820	2026	2818	2119	2521	3009	3789	5285	7156	9555	10692	9936	117,569
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174	1248	1012	681	1196	1442	1446	1399	1366	1122	1135	1463	1179	1149	1154	904	1053	1094	1369	34,047
1945	903	1024	1056	1012	818	794	816	870	968	1016	1035	1076	1426	1746	1707	1520	1403	1519	1304	1172	1532	2260	2813	2856	2541	2242	2530	2320	2510	2290	2501	49,580
1946	1733	1580	1379	1595	1565	1948	1997	2033	2090	2342	2900	3811	4148	4131	3566	3217	2843	2526	2803	4144	5164	5371	5061	5103	4335	3767	4216	5462	6114	6618	5740	109,302
1947	1651	1539	1661	1803	1607	1600	1312	1485	1418	1844	2758	2251	2114	2004	2490	2946	3095	3940	4387	4397	4613	4661	4948	4541	3963	3837	3541	3553	3479	3709	3491	90,638
1948	1087	1173	1121	1097	922	930	1157	899	1004	1343	6	1792	844	1088	1059	1126	1219	1228	1032	1160	913	1061	1117	1133	1514	1383	1382	1209	1543	2076	2080	36,698
1949	1113	1343	1606	1746	1823	1874	1915	1913	1943	1941	2047	1984	1977	2164	2195	2425	2731	2890	2995	3221	3356	3362	3405	3446	3169	2970	2672	2564	2194	2200	2233	73,417
1950	2648	2360	2377	2328	2154	2617	2476	2333	2225	2257	1929	1680	1486	1625	1605	1512	2191	3900	4785	3688	3185	3006	2879	2728	2773	2855	2715	2572	2294	1968	2237	77,388
1951	1594	1634	1469	1610	2029	1084	1520	1410	995	1322	1138	1463	1318	1359	1491	2022	1928	1587	1619	1817	1817	2533	2601	2395	2538	3130	2173	4188	3971	3203	3578	62,536
1952	1277	1325	916	1270	951	864	750	1289	1202	1187	1575	791	1219	743	1238	1622	918	1949	1592	1521	1790	1934	1937	1186	670	2625	2871	3377	3221	3833	3867	51,510
1953	1424	1403	1427	1098	1399	1165	1524	976	1628	1672	1846	1871	2153	1963	1653	1796	1786	1337	1783	1997	1830	1830	1680	1877	2659	2967	2939	2966	3408	3928	3376	63,365
1954	1661	1596	1350	1774	1518	1621	1704	1870	3903	5830	5157	3972	3487	2794	2687	2351	2465	2141	2149	2119	2038	2091	1880	1993	2050	1942	2093	2397	2149	2100	2036	74,918
1955	1238	855	810	771	689	852	1053	825	1073	1090	911	753	703	859	801	639	1005	622	1032	895	697	766	1108	680	593	1318	999	678	715	1696	1244	27,970
1956	2003	2112	1793	1758	2375	2084	1968	2062	2267	1843	2094	534	1473	1789	1575	1532	2794	2508	3242	3040	4132	4481	5136	6000	7940	9559	9405	7304	6699	6295	6332	114,129
1957	4123	3591	3135	2692	2752	2847	2741	2633	3376	3824	3272	3423	3264	2610	2484	2356	2937	2692	2435	2677	3212	2855	2313	5227	3828	2810	2730	2830	2819	3563	4933	97,046
1958	2711	2292	1534	2014	1587	1821	1427	468	1364	2007	1669	1533	1372	1187	1312	1392	1702	1615	1484	966	1708	2745	3029	2485	3276	3070	2627	2901	3040	2648	2967	62,347
1959	1347	1226	1556	1329	1516	1240	1499	1195	1614	1165	1314	1190	1181	1213	1124	1261	1144	1179	1314	1398	1351	1438	1455	1532	2174	1729	1953	1914	1953	2119	2248	46,271
1960	542	205	1006	804	1774	1602	1592	3131	2084	1797	1142	1295	1393	1293	1246	1316	1171	1393	1605	2169	2912	2954	4985	5384	5531	6278	6291	6093	6142	5373	5910	86,415
1961	1077	866	1028	766	1007	951	920	802	721	1030	889	760	1072	1030	1201	1853	1979	1822	1679	1707	1843	1771	1679	2573	2414	2072	2459	1909	1971	1713	2051	45,615
1962	1049	1197	1208	1224	1313	1182	1182	1263	1223	1064	1227	919	1143	1117	1013	1035	840	1013	1065	1488	1448	1494	1697	1184	1420	1506	1866	1960	2057	2053	2084	41,536
1963	1852	1424	1539	1426	1257	1316	1275	1289	1294	1300	1230	1406	1289	1145	1097	1202	1178	1097	975	1174	1040	1268	1551	1550	1465	1341	1408	2060	3680	2616	2208	45,952
1964	1148	1300	1086	826	1021	1092	1000	921	880	942	914	991	952	976	930	898	898	1053	1260	1057	1249	1406	1255	1053	1190	1462	1286	1259	1359	1600	2345	35,609
1965	3363	2531	2886	3330	1915	2782	2927	2909	3201	3372	3686	3471	3449	3504	3260	3404	3249	3515	3263	3161	3016	2638	2899	2694	2360	2705	2885	2521	2452	2597	2820	92,765
1966	555	813	847	590	725	849	933	1013	1145	1359	1364	1367	1525	2089	2286	1956	1964	1501	1398	1306	1606	1264	1195	1153	1196	1393	1945	2708	3152	3641	4142	48,980
1967	1299	1011	1084	1049	1057	1168	934	961	1182	1046	1284	890	1234	966	1046	1143	864	1245	1477	1530	1035	1890	1650	1919	2011	1734	1842	1742	1882	2077	1538	41,790
1968	2792	2245	2276	2332	2344	2513	2468	2299	1915	2064	1796	1706	1724	1624	1721	1572	1751	1617	1471	1440	1393	1427	1489	1786	1871	2159	2044	1644	1850	1935	2378	59,646
1969	1374	1522	1779	1495	1472	1668	1809	1314	1739	1442	1300	1354	1404	1549	1825	1505	1678	1997	1933	2178	2118	2150	2522	3004	2684	2974	3391	4205	4209	5775	6602	71,964
1970	2210	2691	2439	2294	2005	1906	1858	2071	2538	2599	2349	2348	2168	2155	2372	2781	2896	2599	2411	2258	2199	2071	2910	2269	2611	2713	2642	2546	2636	2839	2460	74,510
1971	2484	2082	2103	2397	2444	1473	2801	2055	2065	2089	2405	2602	3113	3489	3290	3062	2817	2738	2474	2389	2693	2912	3301	3954	4499	5083	6644	6828	6589	6178	6684	105,747
1972	6302	4985	6083	7300	5401	5092	4896	4989	4829	5325	6749	8216	8522	9120	8603	8486	8855	9585	10958	10511	8869	8433	8962	9833	8996	7690	5841	5521	5227	4724	4390	223,293
1973	1461	1947	1516	1502	1552	1347	1302	1335	1307	1204	1570	1453	1176	1243	1248	1031	1220	1647	1470	1176	1452	1377	1530	1484	1892	1771	2001	1993	1827	1767	1659	46,460
1974	1611	1318	3388	1547	2006	2176	2417	2267	1439	2552	2520	1985	3351	3450	3187	3031	4072	5467	6791	5707	5690	5008	4136	5181	5086	5361	6178	7088	8492	8094	9297	129,893
1975	1517	1726	2300	2284	1987	2254	1965	1971	3579	2132	2855	2320	2139	1980	1664	2129	2155	2100	2411	3389	3054	2624	2808	2525	2811	3214	2326	2342	1736	1835	2745	72,877
1976	2034	1729	1324	1304	1249	899	1409	1505	1706	1421	1526	1536	1543	1304	2240	1929	1815	1599	2117	2189	1895	1894	1893	1968	2428	1992	1638	1976	2184	1658	2214	54,120
1977	869	1106	431	881	583	671	366	954	1038	1086	502	980	952	725	902	621	561	542	768	591	531	232	839	1022	531	610	802	1320	317	242	508	21,383
1978	1578	1277	1365	1840	1893	1929	2073	2112	2240	2427	2833	2916	2714	2637	2317	2250	2177	2252	2961	3277	3762	4545	4648	5303	4529	5268	5819	6599	7526	8174	9574	110,765
1979	961	917	986	800	770	1239	1132	1637	1531	1172	1622	1378	1819	1776	1697	2128	1725	3223	2263	2060	1544	2088	1732	1877	2189	2091	2164	2284	2261	2084	1743	52,893
1980	2397	2168	2246	2332	2417	2475	2112	1813	1920	1979	1794	1913	1711	1769	2037	2154	1951	1813	1959	1799	1925	2043	2190	2212	2268	1178	2088	1991	1948	1984	1822	62,318

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

APRIL

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	2764	3078	3048	3047	3476	3237	2958	2618	2631	2830	3468	3201	3339	3509	3396	3665	3394	3243	2963	2670	2387	2370	2452	2699	3128	3201	3316	3543	4090	4429		94,150
1942	2592	2973	3284	3741	4057	3785	3879	4215	4659	5444	6081	7073	8215	8731	9411	8204	6527	6620	6098	5858	6528	7779	8562	7355	6099	5718	5033	4620	3317	4353		170,811
1943	8908	10250	14430	14901	13749	13264	14663	16969	21255	18207	16138	16191	18504	20265	21625	22310	23229	25040	23312	22450	18721	17930	15208	15482	14783	13616	12110	11161	14952	13643		503,266
1944	1584	1786	2125	2865	2726	3144	2693	2599	2622	2605	2376	3092	3326	2841	2721	2302	2377	2310	2015	2274	2185	2348	2613	2821	3624	3471	3330	3282	3712	4231		82,000
1945	2671	2430	2282	2132	2205	1890	2576	2192	2522	2329	2057	2075	2045	1985	2296	2082	2706	2855	3445	4460	6135	7701	6650	6101	5125	4326	3792	3729	3768	4622		101,184
1946	6008	4982	4552	4717	4841	5216	6160	6164	6222	5847	5218	5919	7596	10219	12352	13581	14780	17389	18812	18660	15103	13559	11548	11850	13257	15441	16663	15853	14226	13167		319,902
1947	4810	4145	4006	3747	3576	3468	3434	2289	3477	2684	2917	2808	3062	3230	4471	5632	6149	6379	6439	6284	6172	6318	6123	6001	5481	5356	5760	6190	6992	7300		144,700
1948	1740	2024	2660	2967	2723	2292	2269	1997	1837	2190	2201	2152	2155	2437	2518	3724	5472	10555	8536	6896	6096	9614	8938	6732	6461	5890	5108	4452	4411	5165		132,212
1949	2433	2870	3339	3555	4184	5078	5780	5966	6176	6527	6860	7696	7761	5943	5790	5886	7130	7765	9413	10308	8503	7089	8258	8197	10023	9325	8906	9226	9241	9046		208,274
1950	2888	3787	4629	4125	4107	3895	4251	4659	5124	4670	5841	5821	6521	7418	7543	7141	8012	8713	9289	8968	9687	11164	11174	10063	7848	7196	6937	7247	6579	6012		201,309
1951	3609	3674	4934	3892	7194	8634	9861	10722	10963	10960	10651	9941	9843	11541	11209	13094	10778	11159	11616	11612	10306	9734	8254	8001	8088	7476	7865	8281	11575	11017		278,484
1952	3257	3410	3399	3712	4754	6669	8193	9277	7784	6989	6942	7143	8548	9935	11088	9967	10520	12544	14976	14725	12961	12931	13206	13984	17015	18667	22302	23429	21634	18984		338,945
1953	4733	3869	3833	3881	4380	4107	4957	3346	3502	3669	2608	2514	2635	2480	1856	2836	2255	3181	3909	3531	6349	7202	9882	9941	10535	9020	9669	11656	12779	9568		164,683
1954	1854	1675	1808	2259	3119	4933	5009	4438	4362	4339	3999	4072	4879	6936	7452	7233	7449	9296	10020	9628	8427	7933	8059	8101	8442	8974	8939	9397	9390	8438		190,860
1955	1222	1007	1639	1090	1161	1218	1436	2087	2675	3028	3344	2583	1928	2156	1764	1674	1764	2184	2109	2192	1887	2528	3387	3314	2892	2590	2950	2668	2198	2241		64,916
1956	6009	6148	5364	5584	5507	5628	5834	5774	5660	5795	7116	9006	9577	10213	11661	12390	13489	12607	12497	14559	15071	16939	17221	16150	15141	13577	15057	13854	13131	11892		318,251
1957	4004	3798	3834	3820	4137	6579	6486	5838	5107	5772	8513	6589	6591	6719	6943	6944	6696	6323	6132	6122	6532	6317	6556	6892	6880	6243	5500	5385	5949	7427		180,628
1958	2915	3061	3505	3911	3740	3464	3334	3515	3596	3412	4086	3696	4066	5274	6371	6712	7606	8355	9242	8944	8577	9218	8207	6997	6108	5368	4938	4630	4413	4565		168,889
1959	2099	2218	3632	5010	5247	6138	6612	5665	4929	4560	4178	4443	4861	5598	5227	4912	4487	3814	3799	3649	3545	3737	3918	3864	4659	5445	6322	5600	5174	5025		138,367
1960	4550	4339	4121	4393	5945	7785	10242	10483	10930	11165	10822	9142	7933	7136	6422	5500	4990	4575	4182	4772	4571	4417	4662	3847	4034	3759	3422	3729	3741	3885		179,494
1961	2366	2240	3232	4486	4618	3349	3110	3004	2876	2080	2387	2187	2594	2392	2297	2346	2087	3175	4469	4050	3214	3265	3260	2072	2364	2358	2186	2358	2765	2835		86,032
1962	2688	3256	3773	4444	4795	5065	5650	6288	5777	4682	4041	4147	4455	5357	6996	8398	8570	8559	9027	10169	11343	9548	8790	8620	9355	8673	8000	8306	8152	6612		203,928
1963	2062	2080	1833	1701	1796	2279	4777	4708	3955	3481	3194	2874	2554	2882	3939	4432	3516	3092	2913	3106	2831	2487	2413	2331	2412	2571	2858	3276	3528	4088		90,149
1964	3694	4487	3913	3680	4020	4352	3938	3744	3812	4341	5212	5891	4233	3896	4063	4865	5505	4471	4524	4556	4543	5258	5310	4826	3814	3665	3757	3326	3702	5277		131,083
1965	3160	4099	6098	5322	5339	5508	6132	6046	6034	6833	6161	5868	5878	6459	7256	8547	10007	9260	8789	12273	16365	20258	20854	18331	17595	17086	16351	16794	16395	16772		312,090
1966	3060	3170	3575	4908	4200	3931	4352	4745	4953	5404	5750	4817	4292	3703	3933	3753	4559	4971	4464	3739	3487	3107	2968	2830	2930	3267	3397	3332	3001	3533		124,151
1967	1866	1502	1505	1523	1774	2308	2053	2040	2234	2257	2718	2728	2741	2944	3155	2986	2738	2389	2321	3000	2460	2426	2157	2105	2095	2106	2198	2203	2604	2073		69,215
1968	2511	2859	3177	2985	2942	3113	2839	2578	2321	2242	2397	3013	2950	2904	2723	2773	2597	2521	2261	2381	2223	2203	2018	2000	2170	2313	2169	2227	2288	2672		76,364
1969	8134	8871	9402	10143	10081	11500	13417	11777	9706	9890	10362	11117	10887	11770	11006	10361	10181	10326	12042	11153	10447	10772	13232	15935	15071	12032	10124	9214	8729	9170		327,092
1970	2516	2247	2370	2248	2245	2550	3545	4343	3958	4006	5187	4799	4166	3991	3672	3831	3537	2884	3038	3883	3045	2900	2837	2752	2863	2746	2808	2580	2584	2565		94,834
1971	7027	6456	6414	6492	6755	7533	8465	9539	9507	9374	8938	7977	7229	7614	8612	9736	10380	9911	9406	10088	11573	12622	12336	11543	10390	9870	9503	9295	9328	10054		274,181
1972	4902	4878	5204	6312	6586	7497	9010	9080	8002	7873	7222	7185	6841	6296	5404	5886	5753	5712	5269	5138	5155	5746	5820	6000	6851	6703	6355	6855	8157	9127		157,137
1973	1799	1699	1676	1667	1989	2187	2358	2523	2156	2317	2424	2511	2871	4685	4343	4046	4007	4027	3557	3154	2803	2668	2804	2852	3103	3434	3780	4282	4433	4160		90,355
1974	9015	8408	6921	6884	5769	5585	5958	6075	6606	7119	7068	7847	7990	7280	7634	8467	9193	10999	11991	13264	13754	13420	13766	15710	17437	17801	15525	12624	11024	10023		299,957
1975	2173	1974	1949	2071	1843	2082	2165	1959	1822	2024	1973	1934	2310	3046	3614	3740	3715	3509	4515	4142	4679	4681	5084	5578	5450	5869	5156	4851	4164	4027		102,329
1976	2396	2732	3458	3697	4169	5866	7155	7002	8668	10394	9143	9095	8789	8065	7908	7940	6883	5895	5782	5451	5683	6073	6375	5937	5982	7075	6388	6220	5762	5626		191,618
1977	561	273	975	757	669	1092	1420	1486	1776	1887	1562	1508	1538	1495	1362	1205	1875	613	1242	1107	1238	1159	1142	1255	1513	1397	1579	1536	1301	1518		38,129
1978	8671	10792	9317	6922	6467	5603	5274	5553	5105	5123	5780	6699	6587	5931	6162	6240	7029	6198	5549	5444	5764	5508	5126	4516	4688	5704	6559	7023	7437	7838		190,609
1979	1785	1850	1626	1468	1372	1536	2065	1822	2106	2871	2454	2115	1981	1955	1922	1981	2472	3035	3181	2686	2494	2141	2360	2971	2798	2431	2733	3162	3508	3329		70,210
1980	1313	1317	1913	1786	1870	2115	2303	2061	2151	2249	2129	2301	2252	3353	3963	4506	5403	5902	7408	8978	10195	10906	10760	11462	12736	12086	10935	11232	12092	12675		181,552

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

MAY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	4890	5168	5018	5531	5646	5678	4968	4609	4612	4308	4367	5129	7386	8408	7496	6193	5543	5536	5708	5101	4809	4875	5676	6643	7222	7181	8861	8155	6497	5834	5620	182,668
1942	3999	4010	3767	3545	3454	3481	3320	3456	3734	4349	4477	4364	4144	4097	4044	4151	4093	3815	3906	3693	4044	4664	6595	9166	8745	10608	10690	8987	7899	6931	6560	162,788
1943	13118	14472	15282	15085	15650	14752	12884	11194	10220	10225	9810	9272	8431	8266	7851	7404	7311	7009	6906	7316	8041	8851	10237	12494	14458	14525	16433	15392	15465	16213	16835	361,402
1944	4472	4415	3900	3741	3793	4412	5143	5600	5514	5168	5134	5178	5509	6077	7059	7632	7270	6542	5688	5036	4361	4248	4142	3824	3550	3409	3269	3789	3721	4432	5576	151,604
1945	5984	6978	8661	10592	11644	10720	9378	9101	9082	9218	10489	9101	8230	8448	7555	6677	7216	7208	6601	5903	5382	5033	4993	5600	6638	6372	6538	6147	6432	6932	7120	236,573
1946	11798	10583	10259	10837	12416	13481	13844	13260	12128	11745	10582	10286	9306	9563	9170	9087	9507	10011	10750	10746	10134	9995	10297	9414	8760	8863	10914	10528	10264	9346	7956	325,830
1947	6899	7787	10947	11509	11660	11547	11766	12725	13838	11347	10891	9953	8473	7965	7504	7733	7063	7056	7143	6705	7403	7922	7782	7407	7316	7548	7862	8080	7846	6708	6497	272,882
1948	4839	4538	3728	4393	4204	4307	5953	6539	6472	5797	5101	4613	5081	5491	6409	7046	8026	10024	11750	12004	11158	9708	9347	9066	9469	11787	12502	14185	13260	13357	11342	252,896
1949	8007	7859	7339	6690	6507	6211	6444	7197	8178	9179	9784	10290	11540	11885	12413	12829	11584	12100	11233	10978	10319	9262	8496	8361	7307	8278	8103	9373	9361	9521	9007	285,835
1950	5296	6568	5497	6494	5130	5004	4336	4438	5086	4557	5445	5562	6917	9553	11897	13368	13673	12924	12338	9612	9297	10852	12137	13534	13021	11443	11008	11542	11799	11588	11627	281,543
1951	9166	8345	7297	7238	7299	8201	9727	12301	11980	12328	12460	13137	12371	10539	9707	8739	9206	10377	11258	11492	11630	11353	12580	12793	13796	12825	11646	13881	14065	12879	10811	342,447
1952	14339	15047	16512	18001	18955	15799	16476	15533	15390	15082	14555	13359	16047	16522	16170	14230	12349	11652	12802	12544	13861	13677	12966	11778	13056	14013	15735	13838	14449	13520	12560	450,817
1953	7935	6443	5512	5136	4792	6975	7543	8156	7593	6041	6151	5339	5134	5266	5443	5816	6208	7529	7119	9554	9160	7865	7064	6757	5481	5115	4725	4821	8039	6181	6898	201,791
1954	7649	6395	5818	6257	6124	8165	8936	9704	10854	11776	13307	12854	11973	11088	10493	10814	11452	12331	12276	13444	14660	13697	11100	9763	8933	8649	7664	6614	5783	5228	4974	298,775
1955	3601	4105	4040	3296	4134	5011	6697	7088	8417	8309	7326	7939	7918	7917	6984	5892	4734	4318	4549	5809	7548	9903	9657	8668	7661	6974	6186	5930	5467	5763	6712	198,635
1956	10218	10200	9871	10211	10496	10826	11384	10702	11094	11328	10238	9987	8960	8698	7933	8258	9716	11258	14370	15780	16976	18860	19581	20134	22949	20931	19423	19484	17472	16500	16839	420,677
1957	9409	10872	11712	11176	10375	9666	11185	12224	12850	12759	13083	12803	13328	13687	13506	13044	13377	13270	16619	16752	16930	12150	11422	10232	9263	8974	9657	10360	11241	12253	12791	376,970
1958	4928	6924	8263	9839	11248	13513	14715	13949	13445	14578	15390	17413	17483	14213	12587	12839	12626	15234	17097	18188	21254	21745	21221	20507	20419	18831	18502	18827	17475	15608	14326	473,187
1959	5870	7805	6827	6045	5108	4994	4463	4717	4858	5013	4497	4391	4796	5934	7852	9840	7963	7080	6054	5228	4541	4930	4240	4322	4512	4193	4039	4271	4133	3980	3901	165,797
1960	3922	4261	4763	5023	5203	5127	5294	6438	6965	6909	8763	10699	11842	11130	8927	7912	7473	6667	6028	5170	5073	4941	4367	4461	3891	3735	3766	3948	4148	4736	5599	187,181
1961	3605	3983	4617	4084	4042	3808	3334	2429	3246	2857	4098	3591	3619	3057	3477	4048	3907	4219	3877	4241	5448	5761	5954	6612	7773	7721	7830	7495	6624	6442	7610	149,489
1962	5923	5454	5382	5560	6148	6512	7110	7186	8119	8257	8418	8076	7119	6456	5976	6170	5872	5189	5656	6199	6284	6047	5717	6431	7609	7251	7021	6491	6557	6308	6731	203,229
1963	5324	5703	5653	5674	5329	5798	6273	6450	6693	6577	6139	5546	5105	5078	4751	4947	5387	5940	6881	8164	8736	9586	10149	11480	11183	10794	10233	9380	9276	9198	9029	226,458
1964	7016	7799	6326	5226	4862	4139	4017	4340	4358	4562	5850	6130	6761	7602	8278	8506	9883	9949	9920	10053	10938	10763	9732	8614	7798	7008	7457	7523	7869	7611	7757	228,640
1965	20503	19705	17118	14545	13382	11788	10434	8291	9438	8986	8298	9611	11222	12687	14355	15060	15555	16142	15059	14140	14144	14677	15194	15156	14067	12773	11853	12018	12361	13826	15728	418,116
1966	2953	2974	3397	4545	5655	6340	7666	8082	7676	8225	7761	7303	5982	5063	5044	4127	4032	3783	3695	3808	4193	4794	5282	4618	4260	4233	4797	5317	5925	6032	6015	163,577
1967	1974	1734	1825	2055	2322	2523	3457	4587	6759	7886	8157	6279	5159	4313	4099	5150	7036	9056	10116	11138	11392	11900	13697	15178	15598	14202	11443	10418	11078	11004	10037	241,572
1968	3707	3910	4448	4102	4785	4681	3950	3401	3149	3253	3505	3978	4484	4568	4186	3518	2842	3045	3392	3991	6212	6092	5605	4966	4677	4540	3949	3628	3703	4058	5318	129,643
1969	8412	8161	7515	7224	7211	8197	9647	11346	12959	14478	15175	15306	15251	14736	15503	15133	14151	12841	13059	12634	11537	10399	10076	10967	11394	12672	13146	12396	10897	9837	9901	362,161
1970	2640	2864	3509	4953	6718	8831	10103	11354	7914	8348	8112	6708	6292	4875	5453	4900	6311	9647	13481	13590	13932	12633	11660	14478	13140	13797	14685	14847	12533	10667	9541	288,505
1971	10959	12680	15962	18576	18600	18022	17643	17624	17953	17779	17985	18414	18989	20253	19203	17182	16564	14143	12074	10706	9830	9038	8672	8910	9231	10126	12161	14400	15838	16027	15741	461,307
1972	8101	7530	7725	8999	10745	12437	12976	14066	14162	12567	11829	11362	11766	12342	13746	14976	15526	16345	14871	13565	13181	12620	11234	10194	9774	9868	9772	10727	12353	14460	16312	376,131
1973	3885	3788	3588	3820	3943	4076	4000	4508	5044	4767	4554	4346	4571	5147	5508	6605	7449	8334	9289	9555	8720	7848	6641	6196	6964	6991	5801	4988	4634	4548	4671	174,109
1974	11706	12060	13114	13253	13694	14674	15830	16728	18469	18091	16513	13957	12490	11386	9885	8978	7937	7541	7054	6713	6493	6444	6581	7363	8120	9812	12265	16470	16950	15037	13059	368,387
1975	4213	4508	5119	7046	6620	5837	5504	4154	5099	6308	8473	11186	10878	12894	15877	19598	20618	18122	17160	16004	11787	10546	9344	9211	8905	9026	7991	8168	8846	9646	11004	309,492
1976	6139	7306	8617	9318	9676	9412	9315	8899	10435	10677	12376	13732	12517	12461	13423	12619	11857	12008	11841	11214	10548	9706	9264	9467	9460	9669	9291	9765	9480	9508	8525	318,525
1977	1673	1604	1737	1449	1484	1343	1405	1359	1301	1207	1365	1572	1393	1414	1381	1391	1426	1366	1222	1512	1276	1257	1275	1646	2352	1683	1863	2042	1803	1376	1397	46,838
1978	7638	7145	6919	8892	8162	6680	7353	7145	6025	6819	7579	8997	7316	7363	7623	11303	9237	7927	7158	6065	6591	7734	9067	9976	9024	7779	6456	6082	5873	6403	7153	235,484
1979	4108	4060	4236	4487	4534	4703	4387	5386	4250	3637	3313	3409	3071	3543	3878	4599	6310	7161	6552	6854	6306	6724	7378	8221	9622	8967	8423	8598	7286	5873	4956	174,834
1980	11539	10419	10680	11907	10998	12876	12958	12385	11618	11689	10475	8929	7972	7562	6697	6768	6950	6241	6383	6793	7641	9176	10887	11676	9603	9061	7974	7688	7070	6849	6610	286,024

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

JUNE

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	5876	5273	4713	4985	5028	4885	5212	6341	5866	5148	4826	4982	5120	5417	5474	5217	4718	4390	4612	4450	4067	3541	3436	3300	3016	3077	2668	2626	2656	2468		133,388
1942	6271	5752	5626	5932	6318	6766	8006	9385	9868	9502	8497	7225	6400	6171	6105	6822	6402	5525	5420	5117	4791	4453	4427	4650	4756	4886	4527	4024	3862	3701		181,187
1943	15587	14754	12962	11286	10258	8909	8350	8004	7816	8370	9666	10493	11513	11171	10305	10063	9048	9978	11871	12584	11249	10070	10859	10635	9768	9435	9483	9715	9920	9755		313,877
1944	5791	5553	5041	4788	4389	4168	4099	4084	4583	4943	4477	4254	4137	4007	4063	4095	4112	3762	3506	3582	3888	3933	3924	3606	3689	3732	3741	3684	3228	3004		123,863
1945	7248	7584	8171	8810	8477	7996	7594	7816	6873	8299	7485	6911	6696	6727	6164	5678	5343	5416	5806	6460	7091	7389	7317	7137	6538	6633	5948	5417	4311	3969		202,998
1946	7950	7533	7763	9115	10131	9775	8965	8249	7785	7457	7621	6965	6209	6199	6482	6365	5913	5539	5244	5054	5103	5241	4827	5035	4566	3994	3917	3467	3541	3406		189,411
1947	7015	6887	6980	6014	5562	5299	5299	5342	6372	6867	5991	5421	4350	4903	4539	4785	4962	5051	5334	5103	4814	4215	3548	3663	3798	3631	3738	3324	2971	2842		148,620
1948	10513	10900	11606	12316	11288	11163	11210	10962	10880	10534	10190	9669	9047	8398	7682	7075	6428	5872	5495	4918	5009	5523	4938	4634	4327	4182	4086	3875	3657	3476		229,853
1949	8699	7652	6364	5665	5905	5817	6324	6597	7045	7415	7043	7446	6959	6315	5459	4899	4940	4153	3798	3618	3623	3421	3111	3262	3094	3073	2911	2608	2619	2377		152,212
1950	11474	11539	11330	10773	10648	10989	11703	11065	9479	8074	7526	8071	8765	7834	8115	8634	9085	9759	8926	9710	9794	10318	10052	8978	7742	6845	5212	6581	6984	8136		274,141
1951	9487	8447	7815	6970	6177	7805	6913	6277	5708	5396	5479	6034	7203	7536	8584	9851	10463	10017	9533	8705	8506	7929	7085	6458	6370	5833	6313	5807	5948	5641		220,290
1952	12410	11937	11735	13213	13471	13830	13581	13854	11979	12614	10938	10492	7689	7938	7471	7137	6311	6438	5554	6755	6336	5379	5548	5239	5379	5419	5276	5236	4724	5238		259,141
1953	9429	7336	8969	8880	9395	9933	9685	11613	6482	8841	9177	10758	13803	14790	13028	11255	11285	12359	12650	11478	10079	9422	9291	9365	9096	8038	6925	6975	6895	7246		294,478
1954	5209	4707	4385	4038	4415	4753	4700	4500	4322	4429	4617	4547	4386	4684	5270	6412	6806	6022	5942	5289	5580	6370	6892	7729	7691	7429	9902	7880	6139	5388		169,833
1955	6665	6794	6046	6080	6573	7172	8291	9501	10435	10478	10018	10242	9799	9361	7923	7971	6687	6408	5760	5810	6345	6853	6183	6245	5718	4168	4196	3928	3926	4104		209,680
1956	18159	18296	16328	15324	13984	11825	10740	10140	10421	11121	11715	11500	10650	10277	9793	9658	7847	7102	6561	7223	7256	7356	6144	6500	5871	6087	5776	5995	6042	5603		291,294
1957	12988	13502	14147	15587	15865	15921	15212	13000	11902	10310	9070	8717	8409	7862	6677	6235	5575	5046	5094	5582	5913	5501	5085	5021	5504	4690	5069	5091	5358	5073		259,006
1958	12658	11471	10461	10328	9988	9513	10055	10402	10499	10045	9345	8848	9282	8774	8230	7494	8033	8428	8462	8155	7722	7191	7000	6967	7002	5680	5318	4764	4585	4083		250,783
1959	3900	4148	5030	5848	6420	7308	8523	8266	7246	6374	6120	5707	6829	8182	8097	7934	6442	6576	6556	6426	6383	6351	6145	5574	4988	5223	4157	3920	3117	3288		181,078
1960	6567	7981	8868	9307	9141	8558	7911	7947	7246	6584	6157	6056	6043	5954	5896	6316	5860	5021	4575	4208	3939	3374	3303	3094	3080	2997	3013	2624	2403	2652		166,675
1961	6072	5981	6129	5680	5377	5919	5686	5769	5392	5475	4961	4923	5095	3585	4531	3622	3459	3333	3142	2892	2500	2296	1987	1932	1762	1738	1707	1359	1273	1116		114,693
1962	6631	6960	7599	8823	7722	6930	6095	5618	5331	6174	7207	8450	8969	8377	7798	7656	8035	7180	7671	7908	8388	7736	7496	6954	6273	6728	6529	5658	5148	4655		212,699
1963	9315	8852	8018	7732	7905	7631	6881	6681	6484	7143	6852	6110	6453	7112	7817	8486	8495	8559	7644	7509	7389	7767	6572	5182	5102	4624	4128	4222	4718	4569		205,952
1964	6911	7508	8650	8393	8594	8456	9027	9249	8072	7337	6629	6329	5640	5471	5789	6545	8214	7688	7064	6263	5613	5641	4962	5106	5478	6052	6564	6288	5414	4981		203,928
1965	16246	14692	14116	15031	15908	15845	16184	15912	16274	16537	16415	16777	16910	15016	12332	10399	9527	8926	8747	8667	9854	10825	11692	12609	12340	11663	12206	10268	9026	8500		389,444
1966	5469	4699	4352	3907	3554	3315	3194	3320	3144	3452	3537	3384	2879	2756	2790	3020	3044	3263	2217	3257	2621	2356	2282	2305	2040	1778	1922	1774	1448	1945		89,024
1967	8946	10050	9084	8166	7859	9244	9134	8763	9211	9332	8758	9028	8307	7998	7893	8286	8955	9786	9938	10077	10865	11815	10859	7954	7429	7070	7048	7771	6969	6458		263,053
1968	5100	4910	5643	7048	6327	5870	6614	5669	6051	5767	5440	5346	5280	4985	4435	4095	3986	4249	4532	4845	4930	4259	3836	3591	3245	3090	2746	2428	2670	2316		139,303
1969	10112	9092	8696	8950	9641	10373	10259	9591	8927	8699	8725	8109	7055	6745	6116	5838	5487	4878	4772	4808	4738	4423	4257	4487	4931	4323	3767	3780	3292	3237		198,108
1970	8806	8826	10125	11832	13419	13226	12755	12989	13370	13097	10574	8591	7795	7415	7225	6986	6592	6511	6717	7689	8162	9474	9971	10012	9589	8723	8315	8810	8764	9516		285,754
1971	14218	12808	11211	9900	9184	8962	8976	9707	11593	13300	13351	13007	12901	13363	13599	12558	12176	12155	11893	11074	11105	12423	13466	13930	12600	11922	13434	11743	9688	8060		354,307
1972	17776	19559	19285	17750	16619	15280	15631	17421	18600	18558	18508	16036	13337	11331	10927	11285	11641	11630	11040	9378	8434	8052	8097	8094	7515	6809	6039	5751	6068	6327		372,778
1973	5003	5023	4986	4398	4411	4039	4259	4626	4936	4953	4948	4222	3795	3862	5323	4665	3728	3541	3221	3029	2720	2718	2667	3068	2621	2614	2610	2620	2538	2404		113,541
1974	11987	12621	13206	14533	15324	16517	14309	12132	10462	9923	10421	11847	13767	15788	16574	17560	18375	17685	16711	15889	14625	12308	11865	11527	11669	11317	10216	8706	8015	7979		393,858
1975	12904	14269	16285	17660	15072	15073	16839	17527	14917	12733	11316	11024	11048	12296	12588	13350	13283	11551	10023	8421	7772	7709	7732	8468	9456	9639	8253	7586	6795	6565		348,114
1976	7949	7269	6825	6929	6821	6625	7064	7060	7117	6748	7544	7175	6277	5884	4933	4737	4420	4893	4883	5120	5322	5054	4695	4527	4271	3725	3920	3439	3191	3688		168,102
1977	1457	1491	1871	1987	1962	2229	2253	2280	3190	1994	2625	2523	2275	1820	1715	1794	1564	1402	1348	1446	1470	1334	985	1432	933	1046	900	963	942	699		49,930
1978	6407	6535	6616	6803	7328	8627	9851	10833	11423	11896	11863	9930	6750	8116	8798	8849	7338	7129	7160	7146	6630	7510	6910	7222	7303	6897	5947	5660	5638	6086		235,201
1979	4430	4470	3894	4504	4903	5338	5122	4621	3821	3628	3511	3638	3876	3911	3671	3327	2978	2853	2878	2671	2369	2480	2425	2443	1950	2138	2213	1874	1942	1713		99,592
1980	6681	6649	6547	6331	5951	5474	5885	5335	4908	5724	6696	8129	8242	7479	7083	6158	6332	6435	7450	8923	9068	9252	9113	8117	6653	6187	6339	5867	5525	5088		203,621

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

JULY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	2322	2243	2092	1988	2114	1578	1751	1612	1641	1462	1425	1359	1289	1414	1279	1385	1197	1289	1147	1133	1088	1083	963	926	1012	892	902	1157	1139	933	911	42,726
1942	4013	4240	4155	3775	3793	3472	3324	3084	2814	2736	2424	2238	2108	2075	1941	1913	1883	1732	1679	1609	1571	1554	1484	1454	1446	1187	1385	1049	1274	1118	1026	69,556
1943	10045	9693	9197	9300	8879	8231	8048	8399	8360	7942	7292	6508	5908	5338	5040	5033	4694	4405	4363	4274	4065	4189	4169	4086	3435	3563	3448	3226	3148	2845	2638	179,799
1944	3009	3102	2688	2700	2403	2513	2184	2012	1856	1998	1809	1680	1737	1605	1432	1576	1544	1403	1508	1233	1387	1378	1418	1156	1221	1478	966	1054	1095	973	1045	53,163
1945	3718	3569	3697	3642	3538	3165	3117	2943	2881	2900	2523	2409	2555	2355	2179	2136	2081	1791	1789	1709	1623	1644	1471	1533	1244	1340	1233	1203	1196	1261	1075	69,580
1946	3334	3363	3476	3227	3104	2957	2713	2600	2587	2373	2385	2246	1949	1825	1810	1555	1820	1720	1568	1480	1659	1496	1298	993	1320	1493	1484	1483	1165	1225	1250	62,960
1947	2782	2548	2736	2656	2687	2532	2413	2406	2537	2125	2244	2144	1825	1807	1814	1681	1557	1504	1404	1350	1360	1328	1160	1145	1128	1112	1097	1080	1063	1065	1033	55,323
1948	3652	3480	3149	2965	2676	2504	2408	2250	2112	2067	1859	1818	1814	1736	1500	1614	1522	1362	1355	1287	1384	1228	1237	1222	1077	966	900	890	920	918	814	54,586
1949	2294	2260	2150	2128	2121	2094	2269	2067	1736	1699	1705	1662	2302	1357	1481	1440	1295	1244	1104	1083	1457	1190	1125	1093	972	902	866	925	1033	829	888	46,771
1950	8217	8402	7789	7344	6707	6356	6114	5721	5235	4323	3143	3939	3924	3506	3215	3369	3035	2818	2518	2452	2039	2219	2040	2053	1089	1902	1736	1862	1755	1529	1408	119,699
1951	5444	5458	5281	5084	5875	4488	4558	3960	3758	3835	3622	3408	3003	2998	2845	2940	2681	2766	2448	2407	2338	2136	2073	1912	1688	1956	1755	2221	1677	1978	1541	97,534
1952	4669	4151	3932	4208	4487	3143	3848	3333	3218	3076	3152	3534	3300	3177	2507	2564	2219	2354	2504	2070	2245	1904	2106	1989	1963	1657	1702	1726	1596	1745	1668	85,749
1953	7247	7169	6741	6586	6778	6412	6905	5985	6033	5369	5284	5022	4683	4618	4497	3800	3229	3205	2872	2749	2313	2386	2327	2097	2154	1909	1883	1931	1769	1604	1678	127,235
1954	5109	4877	4529	4360	4410	4443	4208	4228	3583	3367	3170	3119	2958	2756	2748	2948	2581	2549	2358	2044	1968	2099	1813	1878	1733	1851	1694	1647	1759	1341	1439	89,509
1955	3473	3184	2743	2676	3036	2560	2832	1883	2303	2361	2751	2133	2506	2465	2116	2312	2027	2196	1963	1824	1660	1616	1489	1732	1628	1422	1295	1371	1533	1355	1424	65,869
1956	5291	4759	4458	4281	3976	3916	3988	3804	4021	3266	3583	3423	3858	2854	3341	3069	2438	2619	2616	2203	2504	2516	2360	1941	2194	2032	1974	1712	1981	2036	1447	94,422
1957	4843	4563	4422	3840	3605	3299	3239	2994	2949	2714	2453	2702	2577	2035	2157	2286	1967	1814	1697	1672	1751	1647	1587	1464	1439	1282	1464	1299	1329	1487	1576	74,153
1958	4113	3444	3513	3324	3253	3197	2988	2733	2786	2580	2621	2242	2188	2170	2143	1957	2225	1777	2134	1780	1808	1779	1840	1407	1817	1355	1617	1566	1465	1556	1913	71,233
1959	3072	2569	2524	2726	2485	2262	2345	2267	2176	1814	1888	1902	1746	1671	1528	1795	1538	1323	1340	1423	1235	1495	1201	1170	873	1127	1052	1108	666	1108	1019	52,448
1960	2124	2136	2040	1947	2087	2086	1714	1753	1572	1647	1421	1451	1151	1476	1242	1473	1079	1247	1136	881	925	1132	1104	584	876	763	790	589	1024	392	1005	40,787
1961	1011	985	1669	1329	1260	1002	1311	1066	1021	998	969	1002	1020	995	836	799	900	608	773	776	761	733	754	752	665	630	685	1082	739	562	717	28,410
1962	4588	4326	3991	3533	3329	2993	3096	2914	2549	2827	2431	2343	2388	2241	2261	2074	1950	1682	1772	1638	1631	1608	1368	1597	1457	1536	1890	1523	1366	1343	1209	71,456
1963	3998	3563	3539	3904	3691	3719	3327	3187	3107	3029	2802	2678	2461	1975	2595	2369	2138	1952	1363	2216	1769	1624	1606	1690	1171	1802	1460	1420	1351	1334	1282	74,384
1964	4714	4550	4525	4187	3893	3671	3589	3167	3082	3028	2813	2609	2443	2385	2277	2153	1898	2106	1857	1803	1549	1357	1453	1408	1667	1211	1226	1359	1360	1432	1497	76,473
1965	8567	8759	8336	7977	8208	8593	7919	8033	7635	7867	7118	6426	5829	5229	4902	4894	4779	4570	4694	4397	3995	3836	3732	3302	3244	3072	2685	2903	2907	2458	2616	169,482
1966	1886	1177	1436	1410	1416	1123	1226	1007	786	1108	954	998	862	830	693	651	723	718	165	441	1046	946	382	687	753	720	706	535	532	324	759	27,000
1967	6365	5985	5564	5221	5065	4523	4248	3494	3490	3228	3156	2900	2696	2511	2369	2167	2259	2542	2208	2163	1707	1969	1560	1847	1547	1603	1332	1325	1297	1093	1127	88,641
1968	2081	1686	1727	1601	1587	1725	1527	1446	1560	1511	1451	1454	1379	1238	1136	1126	1183	1103	1034	984	999	879	896	922	911	1020	879	487	831	779	921	38,063
1969	2880	2804	2607	2747	2705	2739	2862	2818	2615	2496	2422	2256	2519	2231	2174	2064	1912	1829	1757	1761	1581	1634	1559	1510	1529	1507	1606	1338	1421	1308	1237	64,428
1970	7892	5689	5432	5384	5833	5893	4873	4392	4056	3828	4584	4173	3339	3265	3018	2664	2800	2501	2534	2096	2128	2180	2213	1894	1960	1949	1611	1681	1604	1651	1519	108,776
1971	7281	7332	7399	7436	7164	6518	6245	6152	5755	5754	5905	5427	5030	4878	4753	4678	4518	4564	4287	4264	4082	3635	3617	3627	3224	2824	2736	2628	2447	2338	2220	148,718
1972	6486	6094	5750	5201	4973	4693	4811	4621	4291	3993	3638	3563	3437	3376	3240	3175	2773	2727	2538	2483	2318	2345	2582	2001	2087	1963	1995	1925	1795	1762	1623	104,259
1973	2191	1957	2107	1641	1735	1670	1405	1597	1160	1039	1420	1170	1143	220	2350	1164	1071	930	879	874	1083	1208	950	1069	876	838	869	704	1036	562	636	37,554
1974	7807	7697	7874	5735	5458	5419	5174	4806	4798	4544	4369	4287	3806	3680	3272	3686	3475	3230	3045	2972	2856	2716	2595	2555	2170	2144	2124	2070	1883	1859	1862	119,368
1975	7192	8292	9012	9540	9837	10405	10178	9694	8668	8215	7805	6828	7216	6701	5717	4728	4466	4165	3732	3245	3188	2998	2780	2717	2504	2061	2223	2108	1877	2045	2598	172,735
1976	3292	3454	3107	2965	2371	2353	2798	2632	2679	2316	2508	1911	2098	2028	1751	1654	1563	1592	1777	2074	2285	1600	1525	1424	1410	1502	948	1110	1372	1079	1278	63,056
1977	897	1037	970	1328	1246	1151	1021	371	845	727	805	704	720	646	648	641	585	650	563	588	550	538	814	537	513	792	740	642	517	628	500	23,374
1978	6457	6451	5690	5819	6223	5069	4570	4771	5071	4785	4592	4637	3935	3920	3368	3879	3529	3369	2882	2446	2678	2649	2425	1937	2262	1753	2470	1945	1864	2324	1352	115,130
1979	1766	1529	1636	1407	1425	1079	1323	1128	879	1267	926	957	1069	804	890	847	817	704	556	647	821	550	1180	1009	659	767	31	614	734	568	541	29,130
1980	5288	5320	5200	5438	5378	4386	4642	3639	3961	3532	3355	3269	2771	2729	2548	2509	2261	2193	2098	2009	1999	2031	1654	1855	1668	1615	1481	1493	1187	1479	1462	90,457

CHART NO. 2

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

AUGUST

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	991	891	848	894	776	760	706	873	706	600	740	1357	1754	1117	913	854	877	861	1240	962	832	878	800	709	864	813	815	701	752	710	654	27,248
1942	1036	1059	1043	1031	827	1049	826	849	949	769	890	705	837	672	906	639	617	718	677	567	574	734	565	674	586	571	602	519	621	635	648	23,395
1943	2472	2509	2404	2325	2303	2145	2016	1848	1868	2033	1608	1490	1672	1704	1570	1432	1519	1397	1520	1192	1269	1234	1301	1105	1311	1174	1220	1160	1125	1136	1180	50,242
1944	1032	1089	1124	1007	865	917	731	675	1018	820	650	665	674	707	647	621	644	703	619	499	579	547	596	546	525	523	599	502	603	511	394	21,632
1945	1113	1029	1248	985	1109	992	1039	1307	979	988	1084	926	890	840	788	853	767	801	635	735	765	746	665	750	515	584	579	570	657	585	291	25,815
1946	1325	1289	1241	1032	1020	1124	1138	993	947	870	867	870	895	684	933	734	989	590	772	811	768	705	934	790	904	919	808	915	899	763	776	28,309
1947	865	900	972	902	913	857	796	799	631	735	737	761	649	733	699	698	696	695	693	692	693	692	691	692	692	690	688	684	709	676	754	23,084
1948	822	842	841	811	789	782	775	759	748	745	751	751	735	715	694	697	693	695	693	682	683	673	675	676	675	677	667	652	644	636	628	22,306
1949	714	1286	686	531	614	519	568	576	606	736	686	737	708	848	758	765	892	780	745	690	617	525	544	602	589	459	600	535	544	549	571	20,560
1950	1557	2489	1707	1301	1602	1840	1591	1597	1323	1350	1472	1452	1300	1400	1136	1127	1017	1025	949	976	1019	1059	945	1010	1094	894	863	960	801	729	725	38,310
1951	1515	1604	1521	1631	1721	1769	1389	1309	1254	1341	1165	1414	892	1130	968	867	816	1110	976	759	841	1461	672	834	1197	994	934	805	840	766	990	35,485
1952	1299	2104	1336	1563	1186	1213	1262	1486	1364	1243	1214	1188	998	1392	1493	804	823	1077	948	1009	1137	980	1305	992	532	571	850	903	633	372	1101	34,380
1953	1536	1670	1619	1409	1501	1490	1492	1230	1206	1197	1027	1203	1314	962	1178	1293	1130	1048	1017	1208	1001	1176	1110	879	959	975	1012	804	1132	989	856	36,623
1954	1329	1415	1293	1240	1100	1350	1152	1263	1219	1191	1196	1103	1273	1139	1300	876	1135	770	1052	746	1105	1324	843	1048	776	926	773	960	960	749	672	33,180
1955	1282	1295	1107	861	947	833	1200	965	1143	1146	997	809	846	1051	1203	731	925	877	966	1004	1023	936	843	611	798	630	778	638	886	863	183	28,377
1956	1502	1545	1457	1749	1389	1216	1096	1426	676	1244	947	914	1199	1038	808	1095	1214	222	1164	474	1180	518	926	818	866	946	342	777	767	1232	600	31,367
1957	1264	1088	1165	1007	1461	709	1196	995	898	986	948	765	860	761	728	807	605	842	764	490	786	792	265	746	610	1117	940	189	1104	589	495	25,972
1958	1810	1460	1498	1327	1130	1342	1340	1026	932	1309	1276	892	1061	930	899	1096	661	980	934	998	848	892	731	378	803	690	699	627	992	639	683	30,883
1959	1308	1203	1053	245	735	518	563	952	825	(-21)	1142	262	1044	442	1146	(-229)	837	698	572	1495	1131	898	948	777	856	968	775	800	782	181	1310	24,216
1960	924	855	969	822	879	684	665	557	721	492	852	476	545	623	463	413	966	666	949	537	717	579	706	759	978	914	773	782	759	767	1087	22,879
1961	624	752	639	716	635	809	370	270	499	846	513	554	588	793	715	1036	673	646	478	733	635	688	427	612	653	674	839	688	614	681	630	20,030
1962	1505	1139	1311	1106	1036	1241	1081	1057	533	1380	972	852	725	1164	821	758	698	706	808	938	846	834	893	758	780	813	679	805	785	972	730	28,726
1963	1062	1199	1146	1002	985	924	1025	1047	870	1159	1084	1005	748	947	888	607	759	886	816	1456	93	286	1315	(-5)	815	771	591	752	806	897	719	26,655
1964	1218	1208	1101	1113	1110	1008	941	651	1218	824	801	812	919	831	630	704	691	785	451	717	289	1027	788	689	700	689	391	448	768	688	836	25,046
1965	2318	2516	2383	2399	2587	2085	1902	2097	1674	1755	1957	1480	2720	2653	2042	1913	1773	1656	1505	1804	2075	1835	2112	3175	205	1576	1437	1397	1179	1255	1298	59,163
1966	713	606	713	733	566	865	657	643	689	570	563	678	653	571	593	634	542	626	663	574	689	539	525	527	504	548	655	775	691	571	650	19,526
1967	1308	912	1140	904	745	821	660	689	952	600	1312	300	723	913	681	691	767	766	812	942	939	353	875	675	809	650	629	661	1012	617	692	24,550
1968	791	855	872	917	775	802	747	717	825	922	970	861	872	880	1369	1382	1141	1709	1891	1892	1869	1729	1751	1547	1301	1227	1179	1174	1078	1011	1044	36,100
1969	1203	1150	1183	920	903	1056	997	960	1026	921	732	806	824	859	766	876	747	716	685	769	806	701	555	670	517	696	724	702	686	765	718	25,639
1970	1468	1596	1175	1393	1333	1477	1362	1870	1527	1041	1129	1104	1068	869	960	1128	654	978	886	815	349	746	715	1117	394	696	529	862	829	716	332	30,518
1971	2352	1999	1989	2019	1958	1869	1931	1931	1524	1649	1623	1473	1590	1412	1522	1404	1443	1408	1214	1342	1054	1274	788	1122	1145	1119	954	942	1135	832	1233	45,250
1972	1759	1619	1623	1593	1636	1379	1433	1259	1279	1129	1309	1030	1164	1103	1231	1408	998	1004	948	1159	832	966	885	798	879	847	1154	690	782	762	780	35,438
1973	659	613	743	817	836	700	749	485	813	635	671	688	621	807	555	713	632	601	584	623	665	637	596	600	620	713	724	621	726	866	622	20,935
1974	1694	1658	1728	1757	1481	1762	1463	1657	1577	1438	1414	1481	1295	1223	1264	1245	1124	1065	1085	1105	1238	1206	1136	990	1186	1187	753	856	788	795	902	39,483
1975	2092	1982	1751	1709	1647	1550	1485	1580	459	2316	1373	1360	1122	1215	927	1288	1257	1067	1298	1239	1415	1248	1277	1371	1722	1357	1125	1106	1023	1090	900	42,351
1976	1498	1683	1894	601	1694	1334	1264	1352	892	1066	1034	939	928	1050	852	947	1289	976	1160	1184	1185	988	106	1763	1234	977	1066	1000	888	649	809	34,302
1977	518	501	242	496	510	538	538	500	371	540	507	501	494	555	244	579	565	392	458	555	590	363	478	429	601	604	665	638	625	417	351	15,365
1978	1581	1349	1530	1320	920	1370	974	1133	1077	946	1351	1080	754	1592	926	696	1679	796	1064	883	923	1015	922	590	1665	(-112)	352	217	1946	932	408	31,879
1979	660	699	591	750	596	597	618	728	491	351	1011	425	777	1362	1285	903	736	687	762	904	857	827	773	680	758	626	612	737	700	531	422	22,456
1980	1230	1423	1285	1053	1219	1144	1200	1020	1048	1040	1178	957	971	962	827	662	861	1003	759	511	1179	750	973	916	777	757	534	641	893	614	820	29,282

CHART NO. 2

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

SEPTEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	638	610	690	733	613	665	664	666	678	696	658	617	771	763	824	652	730	727	655	708	701	730	730	732	732	754	708	715	718	582		20,860
1942	590	698	519	647	559	574	499	521	533	505	620	622	681	634	606	647	627	619	554	775	619	673	596	505	638	546	531	580	481	549		17,748
1943	1164	1144	1073	1106	1027	1032	957	1034	987	826	809	1008	861	966	842	859	738	753	662	814	631	1019	716	777	768	707	851	844	838	783		26,596
1944	416	563	575	641	562	728	670	609	577	560	528	764	413	532	432	443	467	546	726	725	680	685	660	629	645	616	611	444	541	688		17,676
1945	685	629	583	565	528	608	543	508	658	508	659	629	572	538	174	651	625	611	646	667	669	776	995	1352	1028	399	704	681	675	644		19,510
1946	728	643	628	841	671	764	851	794	881	756	762	687	681	657	578	675	703	926	886	937	841	856	866	864	711	691	595	660	805	678		22,636
1947	706	682	686	610	606	562	639	637	636	710	706	700	698	692	682	672	668	606	632	628	627	650	643	621	599	555	584	604	608	584		19,233
1948	634	626	621	625	630	634	630	634	634	578	575	585	644	617	606	595	539	521	517	485	519	497	518	554	576	606	739	771	820	760		18,290
1949	495	544	503	455	433	308	516	467	513	598	588	732	597	566	602	523	494	599	430	492	475	516	481	571	497	688	442	217	464	780		15,588
1950	896	632	821	643	507	515	497	541	1024	1752	1298	929	756	817	986	723	922	721	532	1160	849	717	696	782	793	835	218	668	922	936		24,088
1951	756	841	1124	617	775	617	709	570	768	848	643	616	692	904	596	696	736	609	534	318	805	298	729	717	778	833	704	924	706	812		21,275
1952	873	760	1022	997	666	854	692	727	630	634	856	765	738	2155	1049	739	1014	709	699	1277	965	580	818	461	791	322	1434	1014	542	144		24,927
1953	834	982	975	1043	835	897	937	938	805	874	923	837	850	636	805	802	583	869	794	709	913	826	706	693	835	390	486	1090	1117	180		24,164
1954	817	692	659	610	820	529	500	646	636	686	544	709	713	627	860	898	605	1024	860	778	522	702	765	838	577	402	742	395	695	789		20,834
1955	517	573	605	582	896	381	450	648	567	880	919	714	174	588	529	705	858	929	926	716	235	799	635	880	890	788	879	770	630	734		20,397
1956	801	1317	499	951	1207	1087	1141	1163	1133	1087	931	988	1039	996	1094	813	684	927	777	598	(-308)	1006	601	1176	825	970	854	936	1041	1524		27,858
1957	383	908	1223	1448	633	882	956	854	924	926	778	967	800	706	928	917	799	759	848	1109	823	950	1016	885	798	962	1095	643	837	926		26,683
1958	746	750	1069	1070	1196	1211	989	870	716	1286	1071	623	1131	870	1166	1035	910	910	608	1313	802	541	224	818	825	1117	548	847	835	1115		27,212
1959	888	919	984	1104	678	482	891	232	469	723	923	670	781	822	1575	1793	1130	711	1523	1743	2087	1388	1467	1071	1218	1497	1804	1581	1498	1165		33,817
1960	876	657	500	706	1541	897	670	678	690	712	802	783	805	1146	962	1097	817	936	811	976	837	818	858	706	595	1044	288	259	(-62)	725		23,122
1961	346	629	778	556	634	592	372	633	509	729	761	635	676	559	552	592	701	1050	517	716	722	779	824	747	609	555	469	648	632	584		19,106
1962	830	799	719	774	742	963	792	670	696	749	773	829	880	836	784	892	889	789	676	711	931	802	887	903	1016	740	752	914	1023	1010		24,793
1963	1037	1188	920	801	740	858	628	1169	1067	873	783	730	840	784	1015	864	798	898	969	1013	1263	1148	1214	1165	1067	1055	944	848	945	742		28,368
1964	1017	1203	1251	941	715	827	1167	732	831	654	667	735	788	735	880	1167	1088	687	889	933	859	784	903	965	865	785	849	805	820	857		26,399
1965	1190	1130	1228	952	1147	1048	1049	1262	2065	1723	1553	1254	1429	1344	1493	756	1889	1156	1367	1384	1306	1242	1170	1297	1296	1226	1174	1040	1180	1276		38,626
1966	598	629	583	589	570	616	59	585	474	769	1098	591	939	681	580	983	825	815	675	839	628	610	662	120	600	412	706	663	463	521		18,883
1967	785	725	800	748	689	771	847	763	872	715	821	883	953	773	835	818	739	711	717	783	390	971	495	647	832	746	716	144	1039	980		22,708
1968	925	974	972	943	905	953	791	1018	961	-91	1316	1327	893	824	788	1004	865	818	835	940	1027	1067	1001	964	958	1006	938	927	876	900		27,625
1969	769	688	626	669	698	801	815	743	679	773	896	815	845	747	792	806	845	817	789	979	1116	1035	891	787	867	861	827	773	792	798		24,339
1970	814	710	759	700	826	938	842	469	1889	918	761	806	760	641	989	842	869	810	830	1172	1089	1850	1351	1178	1020	1097	949	8034	950	879		27,475
1971	998	871	855	1002	1333	767	770	1294	1329	1160	1163	1095	1086	999	1041	963	1053	1028	954	1130	1112	1080	1065	1027	1144	1118	1022	1082	1204	1278		32,023
1972	803	870	904	801	885	1055	1029	1037	809	874	839	1049	1192	1072	1010	924	966	894	1224	1333	1315	1079	1198	1014	1145	657	1148	1361	1176	1081		30,744
1973	549	764	761	722	597	676	641	584	888	758	642	682	587	557	613	609	698	754	4	512	1392	1189	837	827	1209	1131	928	943	1662	(-16)		22,680
1974	770	794	929	708	887	702	690	409	815	1235	1069	1092	1108	1251	786	1017	966	715	1007	962	904	1134	1028	740	873	1070	866	893	911	815		27,146
1975	959	998	1083	915	858	783	886	815	828	776	602	574	1112	1084	1084	1021	1025	999	975	930	996	904	988	1086	797	1004	866	906	963	923		27,740
1976	841	820	763	936	845	629	979	857	1128	867	833	1548	1711	1164	1101	1363	1188	1098	1445	1350	1268	1226	762	2096	1179	1311	1430	1078	893	1263		33,974
1977	525	536	334	409	462	386	412	493	437	482	420	321	467	115	331	-209	554	585	211	825	345	453	878	491	535	740	705	561	593	626		13,993
1978	871	1107	1006	512	717	1030	2043	1803	1347	1378	1351	1713	1033	756	1514	1190	901	872	1376	1261	1049	1056	1015	896	944	948	1062	1067	971	926		33,715
1979	764	680	721	640	655	751	718	704	678	706	497	628	680	498	660	662	697	561	525	580	568	716	565	517	621	724	822	716	535	568		19,366
1980	640	798	802	1145	853	974	859	1029	1037	1035	1275	1436	1031	1320	1770	1626	652	423	541	650	1488	1101	1032	992	999	970	868	777	757	831		29,711

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

OCTOBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	592	699	661	649	748	781	812	797	732	715	591	676	783	804	698	802	849	849	797	855	902	900	761	755	870	840	882	842	914	876	868	24,300
1942	567	748	695	662	697	665	659	684	454	502	459	605	740	744	844	563	683	718	692	895	720	764	720	760	651	626	702	792	737	835	699	21,282
1943	696	781	752	808	678	450	1043	864	845	766	907	1228	940	1122	939	927	1006	876	1012	883	1121	1084	1085	1054	1188	1148	1202	1284	1460	1451	1301	30,901
1944	571	583	702	630	554	718	635	636	619	646	652	635	617	611	652	642	821	807	673	632	598	664	671	674	693	659	958	436	669	638	718	20,414
1945	353	745	778	774	726	715	716	722	581	601	570	773	696	542	865	746	689	777	846	792	814	838	768	797	776	785	800	781	802	819	924	22,911
1946	672	1566	1714	1217	1151	974	940	1064	1013	995	961	991	931	898	932	865	995	910	995	925	936	1134	1256	1407	1281	1244	1238	1220	1123	1031	1118	33,697
1947	536	648	559	703	619	638	645	518	632	876	803	947	941	874	777	822	2138	1452	1234	1063	981	1002	977	947	915	850	813	954	995	1143	1120	28,122
1948	631	616	536	551	715	779	728	755	791	697	698	742	742	750	748	751	778	783	780	781	782	722	738	741	735	736	734	675	686	685	735	22,321
1949	523	572	575	794	757	945	995	893	834	861	999	851	855	817	777	801	825	834	746	749	703	812	825	826	852	803	707	744	752	835	780	24,642
1950	1159	1164	672	1056	1194	796	1258	919	1006	1431	840	1014	(-111)	1519	968	971	971	971	971	971	974	973	974	971	972	991	718	(-569)	1538	1588	1950	30,820
1951	971	1440	1748	1289	992	1113	1240	1236	681	948	1367	828	1338	1565	940	1752	1489	564	1047	1923	1634	512	703	2189	1316	1247	1554	2152	1275	1177	1422	39,652
1952	649	575	1515	745	854	547	1021	718	1198	565	690	798	489	891	948	855	759	976	789	875	809	1033	1026	753	831	587	892	1249	1315	631	471	26,054
1953	1120	651	838	320	945	660	269	725	668	864	516	931	733	866	(-1531)	1483	874	834	911	998	659	916	769	735	906	902	974	628	791	789	691	22,435
1954	476	1023	737	736	706	880	829	842	870	586	(-133)	1942	679	952	(-610)	1111	1246	907	863	851	905	891	846	849	659	715	1018	883	761	732	824	24,666
1955	982	835	426	380	798	711	587	929	920	1102	194	1254	986	1257	622	1702	660	591	1042	840	821	769	919	722	645	883	698	1023	706	746	1102	25,852
1956	1428	1040	1210	1055	955	1001	1050	956	1066	1386	1095	1440	1132	1133	591	834	767	1098	993	1042	800	909	1055	900	907	1336	1165	1318	1130	1443	1051	33,306
1957	961	862	354	826	(-675)	684	1015	1104	994	932	940	1008	1004	896	1321	824	826	787	740	834	923	1036	950	1020	914	1088	988	1165	753	1076	908	27,058
1958	1068	969	983	968	1033	986	976	470	344	825	746	841	866	851	770	788	785	624	910	865	955	798	498	967	960	900	815	696	748	887	1029	25,921
1959	1375	1133	1082	1038	897	1079	945	1358	1470	2135	1743	1741	1946	1248	1732	1360	1229	1076	1485	1213	1612	1190	1284	2293	1644	1448	1315	1657	1256	1106	1364	43,454
1960	689	371	550	83	378	684	1291	649	946	841	1051	1422	1067	748	716	715	648	655	790	721	743	742	719	594	824	797	761	509	1030	1020	768	23,522
1961	814	901	565	856	942	964	883	1058	436	487	1211	1020	819	963	801	786	765	686	641	712	707	780	847	805	791	681	1175	1107	1287	725	860	26,075
1962	827	872	748	647	853	729	828	747	937	1148	1471	1452	1927	1567	2636	1803	1389	1570	1213	1234	989	1285	1082	981	954	1091	967	1103	847	783	906	35,526
1963	857	688	757	910	881	755	1003	1209	307	1201	1319	804	785	1123	695	1200	917	803	728	945	723	838	712	795	778	1064	766	643	782	753	779	26,520
1964	599	678	780	782	818	657	804	787	776	904	792	689	548	812	716	950	791	730	778	709	689	735	741	707	816	775	778	913	780	928	742	23,704
1965	1041	1290	1004	1182	999	1286	1016	1133	1135	1052	1171	1312	914	1044	1379	1121	1123	1093	965	993	1042	1004	981	942	1191	1228	665	838	896	609	1076	32,725
1966	651	333	1002	503	537	539	516	710	733	654	617	595	766	707	335	807	884	686	569	605	627	706	772	756	742	707	587	687	420	619	682	20,054
1967	1044	1100	916	1040	871	835	556	1006	1587	1036	927	1027	989	630	895	1135	687	797	670	746	772	1166	639	767	874	717	767	1001	1419	1623	961	29,200
1968	914	870	752	865	879	836	781	864	689	774	800	897	1096	1480	1748	1833	1437	1267	1115	1026	1273	1067	404	857	1161	937	916	1101	912	955	1109	31,615
1969	866	835	950	929	833	870	872	834	(-523)	2460	1202	965	1273	1068	915	927	1060	981	899	853	832	851	881	809	964	920	585	774	892	774	695	28,044
1970	908	804	1003	914	716	855	856	960	869	1046	1178	1413	915	880	858	854	761	915	829	863	1037	981	1116	1568	1137	1129	970	806	903	1015	918	29,977
1971	1223	1282	1187	1186	1246	1121	1212	1502	963	1042	1237	1044	1104	992	1115	1011	1066	1082	1001	1232	1089	1220	1089	1035	1041	949	1124	981	921	926	994	34,217
1972	955	1154	1066	973	1125	1219	1099	1074	1009	1133	1206	1145	1102	1571	1157	1183	1157	1503	913	1080	1095	1009	1041	996	937	1046	1020	985	877	976	844	33,650
1973	924	705	814	681	765	762	769	897	825	809	730	791	775	733	856	656	752	691	617	621	641	690	709	776	897	949	782	776	812	844	814	23,863
1974	1090	946	1002	947	878	1026	946	1011	945	1179	946	928	980	970	894	1254	842	928	888	843	1119	1443	447	774	1008	959	785	996	982	1158	873	29,987
1975	1012	969	902	969	951	906	1024	1185	1002	1051	1017	1447	1258	1092	1161	926	1004	1164	839	1011	1063	1144	1475	1139	1028	1519	1514	1622	1139	1202	1174	34,969
1976	1097	1035	1175	1187	1190	885	1077	1135	926	945	1029	1072	1080	964	814	1121	1204	1082	429	564	857	1039	1096	682	734	655	1212	1173	1052	718	862	30,291
1977	468	1358	738	1175	635	797	710	348	706	822	857	637	670	620	605	633	602	432	643	685	672	689	732	744	751	347	236	242	521	513	554	20,142
1978	816	921	880	1110	992	938	868	791	838	845	1529	905	743	952	865	868	873	704	861	828	802	902	749	808	717	779	622	958	833	955	714	26,966
1979	685	415	575	523	487	514	341	300	471	672	562	528	524	670	406	574	724	795	856	1298	1253	1158	799	832	880	1345	875	813	814	905	747	22,287
1980	876	954	658	609	695	514	714	610	500	418	712	388	665	1314	805	717	706	947	282	415	1336	660	261	695	638	673	787	746	836	851	872	21,148

CHART NO. 2

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

NOVEMBER

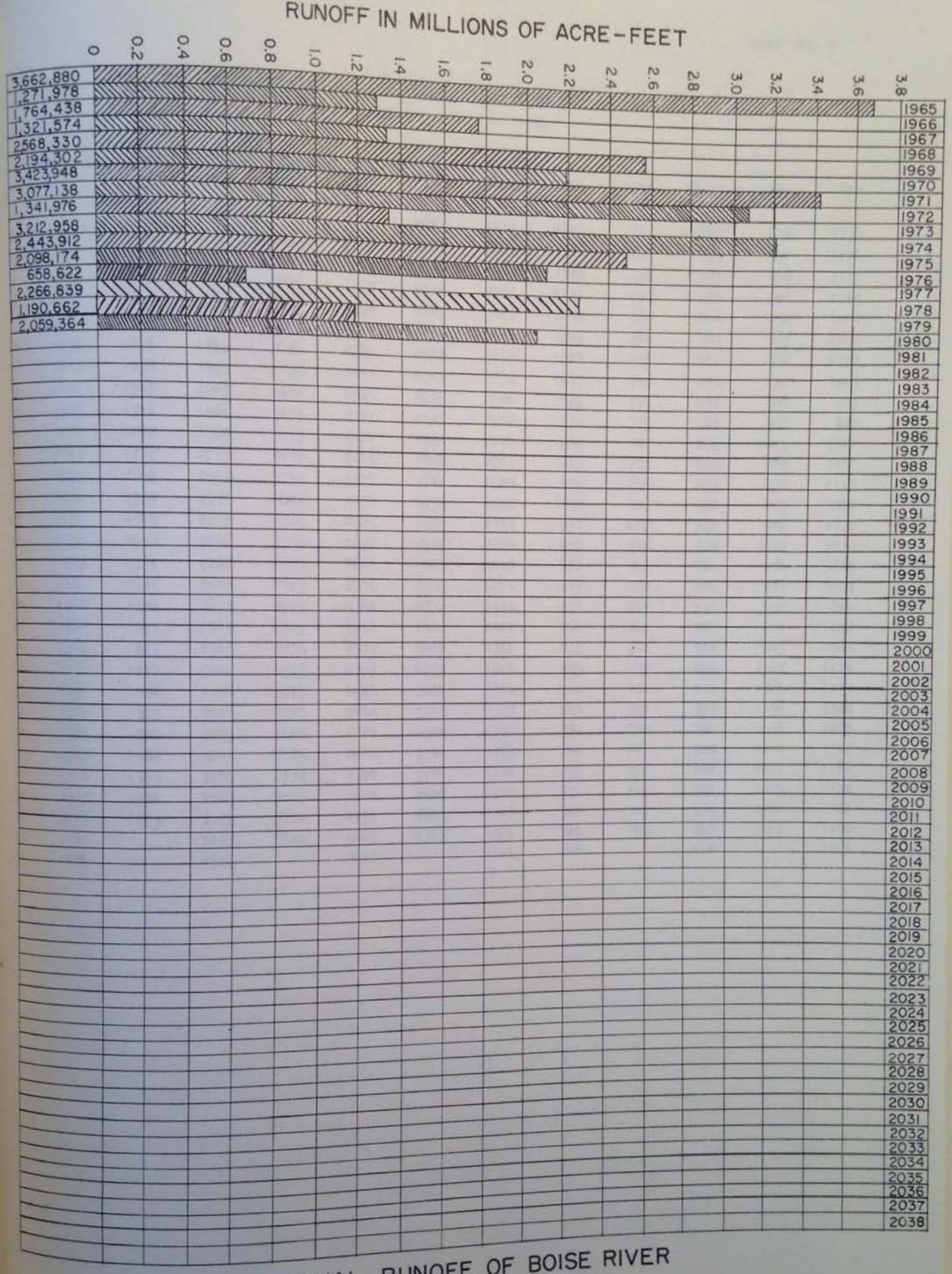
YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	780	894	1387	2533	1954	1566	1420	1187	922	936	850	694	863	958	909	675	1000	871		31,600
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707	842	944	1562	1158	1186	1150	1007	857	703	858	1128	1793	1534	1246	1442	1412	2098		32,034
1943	1158	1212	1079	1106	1917	2081	1526	1332	1175	853	1740	1240	1156	1206	1133	1130	1128	967	1087	1141	1106	985	1056	1056	968	1056	959	955	909	935		35,352
1944	952	1196	917	1007	1406	1314	1050	900	847	1011	1148	1039	928	975	860	870	745	682	577	656	681	731	722	699	802	716	741	747	600	581		26,100
1945	902	1104	715	807	917	860	812	865	785	740	787	1072	819	840	941	957	992	888	936	976	839	675	580	875	1004	991	1061	1096	1094	905		26,835
1946	1031	1033	929	844	934	947	1063	971	983	972	1028	937	844	850	944	936	856	947	1115	2186	1660	1484	1328	1706	1608	1603	1713	1457	1522	1676		36,107
1947	1073	1003	1003	992	911	999	970	1097	1051	961	949	985	859	985	970	993	1022	928	1024	865	754	883	655	771	1011	993	1032	1081	973	998		28,791
1948	813	1214	1689	1177	1010	947	883	771	765	779	812	817	856	912	932	981	916	883	854	838	818	790	808	803	813	831	815	818	830	784		26,959
1949	805	700	726	794	680	690	694	774	990	1089	971	841	855	836	911	871	796	734	789	764	726	630	792	1425	1580	1368	1300	1348	1197	1905		28,581
1950	1073	2011	1952	1253	1350	1264	1461	1647	1640	1352	950	1333	1115	1313	1197	1140	1183	1327	1659	1697	1595	1881	1274	1274	1366	1406	1356	1455	1228	1472		42,224
1951	1030	906	1003	1365	1001	1304	1093	827	1116	447	147	1470	1072	1368	952	1394	87	1272	53	2770	775	1279	1051	898	886	863	1518	1230	1330	1209		31,716
1952	401	562	788	1205	800	921	921	778	625	635	523	1159	1188	1634	1240	843	525	947	894	961	643	1021	708	248	853	123	845	946	822	562		24,321
1953	678	951	844	716	853	798	735	1074	763	749	1072	921	916	803	829	957	776	784	732	528	609	1225	1989	2112	1272	666	1721	1369	1292	1130		29,864
1954	775	403	949	810	888	743	663	713	717	728	709	914	961	891	903	1181	1329	1059	907	875	1050	803	883	786	783	876	749	795	742	506		25,089
1955	973	847	778	561	910	824	838	702	880	881	1074	1000	858	939	1029	478	613	1034	1113	1028	2455	2255	1371	1624	1335	1216	1209	1730	1373	2413		34,343
1956	1245	1077	1093	1225	906	997	1220	964	1172	1182	1213	1248	1087	1024	934	841	1052	1114	1167	736	1048	1316	959	936	701	895	1215	298	1129	1238		31,232
1957	823	899	1037	894	733	536	682	969	635	792	1181	804	908	1081	1332	827	843	721	432	1252	1201	280	300	1521	413	1067	1053	1339	1098	421		26,074
1958	606	567	752	930	869	764	1436	2330	1567	1066	1436	1047	1039	1297	1571	824	591	947	862	1345	1495	1612	1404	961	1068	926	448	517	646	975		31,898
1959	1268	1246	1236	1165	1207	818	1199	1039	1152	978	984	1116	1017	652	518	718	1102	847	1010	1057	873	1112	1141	1276	1154	1232	806	753	855	893		30,426
1960	554	980	805	836	1038	595	849	735	763	730	737	795	1333	1091	748	904	368	1466	1201	1145	923	808	693	985	1226	972	1318	1027	706	590		26,921
1961	745	806	941	901	1098	467	619	148	1618	546	1192	991	540	689	1031	941	610	546	650	646	1092	839	1327	1142	894	1154	903	971	868	913		25,830
1962	1429	856	1207	484	1267	784	1066	1083	1031	456	898	1071	1322	1255	1441	522	569	794	941	923	958	1893	1361	1221	920	907	1751	1687	1248	1162		32,507
1963	689	943	720	832	956	1054	1007	1099	1526	1654	1473	1043	769	1083	1558	1347	1623	1337	936	1296	1109	1207	1043	1216	1044	1043	921	757	1109	905		33,499
1964	684	774	1180	810	760	696	816	883	851	736	957	988	922	632	589	665	478	576	1132	807	707	642	801	844	1486	1835	1279	1267	1193	1154		27,144
1965	1090	1006	1047	805	856	1036	884	884	1062	937	849	763	1176	1100	1316	1307	1025	1217	1346	1017	1041	1117	1063	1156	1019	1088	1125	903	862	512		30,609
1966	539	733	625	652	532	722	931	1061	733	709	741	874	602	908	1534	1010	1061	963	681	667	996	1071	758	389	628	525	492	247	755	1078		23,257
1967	1213	942	1007	721	832	919	677	856	330	1118	1271	955	1010	874	976	946	1136	832	1143	1254	971	532	936	1091	896	920	888	478	680	1167		27,571
1968	1076	936	1088	1161	1105	953	931	831	1114	1747	1639	1605	2072	1694	1538	1299	1228	1430	1420	1546	1183	1349	1192	1435	1784	1508	1107	1486	1023	1020		39,500
1969	600	947	1020	670	920	332	1661	1106	954	626	1058	653	820	712	690	823	1024	915	678	723	739	765	697	734	671	669	802	671	603	584		23,867
1970	989	1124	958	941	928	1067	1221	1167	1125	1518	1441	1610	1075	1140	1026	1053	1052	1071	1078	998	853	885	922	1618	5328	6031	3302	2480	2208	2326		48,535
1971	1104	1214	1118	895	952	890	888	811	1009	1025	955	897	1073	1147	1228	1006	984	815	795	898	912	1134	958	851	1007	1048	1469	1218	1408	1243		30,952
1972	840	1047	1093	1044	1386	1436	1098	1003	1108	1019	887	903	1167	855	999	987	1004	950	1039	1060	926	795	537	915	952	946	1895	1156	943	861		30,851
1973	912	1411	818	812	813	1160	1156	1335	1485	1604	1723	1842	3936	3267	2468	2176	2070	2080	1839	1860	1560	1629	1352	1366	1462	1323	1236	1216	1202	1443		48,556
1974	892	882	905	1000	927	822	948	980	1021	898	1061	853	1231	907	842	901	838	907	1123	924	795	951	778	1064	922	982	828	653	1032	656		27,523
1975	1093	1204	1149	1167	1206	1152	1232	1205	1246	1274	1174	1183	917	1008	1029	1283	1366	1269	675	870	985	801	976	1159	1132	1113	1244	1116	847	893		32,975
1976	906	887	937	879	859	831	818	905	958	901	814	781	765	690	681	1207	1029	875	799	842	889	877	864	856	806	885	595	377	405	358		24,276
1977	598	676	601	597	683	689	699	553	645	518	589	518	648	681	568	771	723	743	568	582	479	527	450	871	913	1241	1358	1544	1278	1242		22,653
1978	711	890	723	673	1105	694	674	809	722	702	938	727	702	618	588	624	872	747	831	968	830	800	878	907	698	658	651	885	754	941		23,320
1979	758	746	667	743	760	753	758	772	626	652	642	654	674	452	651	597	625	681	788	611	457	107	192	1008	1131	1067	740	522	600	390		19,824
1980	739	831	842	770	666	770	1224	1041	1818	1603	1044	1028	996	1374	689	719	716	800	824	897	877	1028	1054	953	982	800	864	840	921	978		28,688

CHART NO. 2

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

DECEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1941	943	947	1661	4605	3137	2036	1837	1555	1400	1485	1458	1237	1309	1406	1372	1694	1580	1838	1871	2130	2240	2199	1896	1673	1657	1335	1097	917	1411	1620	1873	53,419
1942	1854	1741	1385	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225	1116	1111	1041	1189	1052	920	942	994	1293	1140	1395	1644	1707	1173	1131	1851	1679	2620	40,891
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746	746	770	748	759	939	974	1002	1003	1186	1003	943	1056	954	838	628	536	757	994	27,884
1944	805	808	793	686	667	728	736	746	638	407	342	352	396	406	464	505	765	610	640	866	1052	818	1137	906	839	783	615	621	588	906	826	21,451
1945	972	718	616	866	1056	1008	1091	933	819	456	695	856	664	571	568	707	645	1040	833	691	898	893	1243	1173	1130	1000	1206	1505	3667	5249	3587	37,356
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1941	3056	4053	4709	3950	2413	1771	1870	1845	1792	1550	1306	1384	1439	1319	1319	1286	1137	948	865	54,696
1947	1182	1165	1100	920	1078	1117	954	951	908	957	622	838	709	995	922	901	811	959	991	844	951	798	792	974	746	737	736	779	961	790	514	27,702
1948	790	846	881	857	849	841	883	882	874	870	930	952	988	999	980	942	892	767	720	739	713	673	702	697	664	652	681	743	804	861	875	25,547
1949	1304	1122	1148	775	799	860	789	842	891	780	701	326	650	903	718	818	789	994	1106	565	729	778	931	907	764	779	795	975	725	739	748	25,750
1950	1398	1398	1485	1441	1551	1451	1561	1878	1630	1645	1760	1650	1652	2108	1284	1179	1669	1304	1206	1181	1537	1246	1326	1283	1304	1502	1248	670	907	1599	1440	44,493
1951	2368	3459	2250	2024	1569	1834	1117	879	711	916	962	1493	1338	1059	1098	754	1072	1273	1362	807	959	2049	2046	1243	1237	629	1252	1145	1739	1438	1333	43,415
1952	723	779	1163	823	753	701	875	1006	902	742	931	938	1424	1071	1096	1443	879	733	444	1164	658	1763	1202	71	227	465	806	1020	1020	579	922	27,323
1953	996	1167	917	971	1236	1037	677	1271	960	1221	1025	877	864	854	527	792	1004	968	526	1599	1237	1317	791	503	829	717	1112	673	519	950	729	28,866
1954	309	588	953	1001	682	902	817	859	702	604	707	858	712	913	817	697	454	504	967	1329	246	(-288)	891	601	737	1043	1092	588	966	862	957	23,070
1955	535	1329	854	1401	739	746	1021	1181	558	1705	1160	923	876	919	784	970	897	1438	1641	2250	2221	4106	16700	20551	11314	7381	5053	4416	3637	2732	2871	102,909
1956	385	1145	643	1060	1198	554	733	797	542	483	2817	2027	1978	2196	1817	1811	1316	1170	1588	897	932	1058	1009	605	1392	622	992	309	807	1031	840	34,754
1957	503	609	1285	630	553	1042	1317	1215	689	899	(-127)	1561	864	1238	1019	238	1458	1391	1035	1195	1001	1370	455	(-56)	2216	1268	1033	417	1472	809	465	29,064
1958	809	1308	1419	940	1271	1190	791	1164	1547	951	1404	3044	2870	2586	1169	1231	1932	1401	1286	1009	1382	1356	1401	998	1312	1203	1269	1094	1039	690	901	41,987
1959	871	1051	725	1083	916	495	273	713	548	704	892	844	838	1003	571	829	735	862	931	897	593	685	623	1058	1251	972	814	716	717	353	694	24,257
1960	986	617	1099	1012	840	1310	397	(-309)	671	616	722	679	734	845	924	713	742	1054	1221	995	493	751	892	632	951	955	558	871	860	418	734	23,983
1961	832	1033	874	1052	1024	647	597	597	853	418	701	386	849	706	952	929	813	980	705	1199	818	1295	789	966	1017	752	678	708	833	1044	889	25,936
1962	1027	1132	1674	1987	1547	1338	1057	1415	1034	1168	826	737	806	902	1564	1156	1029	1149	1207	939	1127	994	1234	800	295	414	706	736	976	1145	838	32,959
1963	715	815	774	635	870	495	1073	893	1024	746	999	1034	576	789	985	834	961	862	1124	869	768	763	724	648	687	867	836	840	963	802	595	25,586
1964	1168	1687	1680	1361	1039	949	819	734	816	1226	1288	1034	754	880	1116	989	597	592	651	760	1046	2152	18378	27294	19240	11963	8143	6823	5706	4580	3940	129,405
1965	714	767	1091	1178	976	1193	963	665	749	971	1481	906	941	582	819	766	746	747	501	407	546	576	889	815	1030	924	829	1184	803	879	707	26,345
1966	842	804	784	1012	1147	955	912	679	1156	656	671	1049	666	1088	1283	795	444	670	998	573	1117	553	642	633	605	704	498	368	551	1074	630	24,559
1967	912	871	625	922	730	1014	957	854	698	700	1054	602	692	374	374	410	583	870	954	724	994	740	527	880	1213	940	720	1243	865	766	899	24,707
1968	1132	1183	1018	1251	1038	1290	974	942	1030	1127	1012	1105	1004	753	906	1082	1114	782	943	779	679	899	950	946	1335	1476	1180	1113	822	1040	879	31,784
1969	567	616	727	646	743	722	606	873	835	1131	1155	1256	351	728	1115	536	836	798	831	1017	1074	1426	1387	1266	865	945	919	767	834	355	548	26,475
1970	2435	1989	1850	1877	1493	1578	1638	2589	2722	2743	2154	1602	1423	1779	1566	1729	1766	1443	1116	668	1332	1424	1338	996	953	1283	1122	1277	1703	1364	1297	50,257
1971	980	881	736	1189	1061	1424	1361	754	614	1125	1037	1169	1260	1149	1239	1057	1107	890	972	973	1064	1102	1250	957	1414	1274	1385	1270	122	902	887	32,605
1972	946	205	700	2029	813	546	594	779	884	606	605	670	1033	386	1141	947	1110	1347	1332	1784	1598	1662	1817	1946	1924	1893	1206	1189	1126	1008	1056	34,882
1973	1422	1433	1264	1457	1265	1051	1338	1426	1231	1151	989	1247	1291	1351	1125	988	1718	2059	1987	1701	1373	1866	1844	1712	1697	1594	1145	1809	1417	1511	1540	45,002
1974	707	821	644	1106	1135	1130	905	1104	934	540	532	684	1596	739	773	834	870	1010	816	895	1112	1007	1086	395	793	977	870	681	786	604	1126	27,212
1975	922	1362	1725	1992	1013	1886	1987	1944	2267	2055	1808	1814	1410	1635	1548	1381	1317	1092	954	822	1002	1211	1210	1197	963	1359	1304	1248	1265	1176	1108	43,977
1976	442	913	724	739	759	816	725	733	884	898	797	831	810	696	928	884	677	607	570	556	655	678	423	510	572	465	595	1697	853	571	674	22,682
1977	1318	963	1511	1818	1887	1589	1705	1036	912	959	991	1070	1088	1147	3406	6815	2877	2320	1924	1622	1925	2264	3186	1016	1020	932	960	1002	902	1376	983	52,524
1978	1024	788	765	780	1816	1212	764	573	660	773	785	646	653	657	719	743	728	735	918	855	710	818	696	864	734	858	600	778	606	498	482	24,438
1979	659	865	937	1051	933	826	829	865	849	843	845	544	515	570	725	665	758	550	690	594	746	798	753	770	818	847	681	548	527	497	521	22,637
1980	1008	1038	1187	1551	1681	1126	1069	957	689	675	609	1037	778	728	782	1081	1105	940	960	485	1022	1211	1472	1122	1288	1246	1827	1801	1556	1449	1512	34,992



ANNUAL RUNOFF OF BOISE RIVER
AT DIVERSION DAM

CORRECTED FOR HOLDOVER STORAGE

TABLE, IN SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER
FOR A 85 YEAR PERIOD, 1895 THRU 1980

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	1101	1213	1679	3686	7003	8543	4329	1243	757	807	891	1072
2	1095	1229	1754	3806	7120	8452	4186	1238	777	835	931	1126
3	1115	1222	1699	4016	7235	8424	4038	1183	770	835	969	1112
4	1030	1315	1699	4090	7523	8408	3888	1124	759	828	906	1184
5	1017	1333	1692	4180	7694	8283	3767	1113	760	814	950	1090
6	1031	1269	1723	4365	7879	8240	3556	1082	744	785	923	1068
7	1050	1256	1739	4626	8089	8305	3453	1043	746	852	958	1022
8	1012	1358	1803	4738	8267	8345	3272	1030	742	873	949	1005
9	1041	1363	1940	4834	8425	8222	3146	982	775	832	976	985
10	1045	1314	1926	5115	8512	8147	2992	976	775	900	985	983
11	1030	1288	1969	5273	8477	7891	2870	984	789	872	1005	1047
12	1025	1278	2013	5435	8445	7806	2743	925	793	916	982	1162
13	1035	1296	2049	5731	8402	7714	2608	946	790	879	972	1113
14	1058	1339	2076	6084	8472	7654	2450	948	787	902	978	1088
15	1141	1326	2112	6290	8590	7449	2355	917	812	854	986	1070
16	1190	1339	2166	6538	8690	7384	2255	883	805	924	1004	1072
17	1215	1374	2260	6605	8681	7187	2116	881	793	901	952	1048
18	1236	1341	2409	6785	8776	6980	2011	848	772	889	993	1029
19	1286	1340	2623	6929	8768	6771	1914	872	763	867	958	1049
20	1292	1395	2725	6783	8636	6619	1825	862	824	887	1041	1017
21	1313	1407	2763	6755	8579	6404	1766	856	798	904	1047	1042
22	1370	1427	2844	6953	8509	6233	1710	833	798	895	1114	1119
23	1358	1421	2906	7023	8499	5988	1649	814	784	875	1164	1493
24	1321	1505	3000	7047	8664	5795	1578	813	802	912	1156	1582
25	1299	1500	3065	7108	8720	5506	1539	790	798	896	1178	1418
26	1245	1486	3091	7185	8804	5281	1475	781	787	902	1144	1242
27	1215	1555	3192	7239	8768	5294	1424	759	751	890	1117	1166
28	1205	1584	3269	7185	8814	4880	1388	751	773	901	1029	1158
29	1177	1695	3423	7114	8731	4669	1345	789	789	914	1020	1181
30	1181		3487	7044	8605	4505	1304	748	785	906	1062	1140
31	1176		3595		8612		1280	740		910		1112

CHART NO. 3

TABLE, IN SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER
FOR A 85 YEAR PERIOD, 1895 THRU 1980

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	1101	1213	1679	3686	7003	8543	4329	1243	757	807	891	1072
2	1095	1229	1754	3806	7120	8452	4186	1238	777	835	931	1126
3	1115	1222	1699	4016	7235	8424	4038	1183	770	835	969	1112
4	1030	1315	1699	4090	7523	8408	3888	1124	759	828	906	1184
5	1017	1333	1692	4180	7694	8283	3767	1113	760	814	950	1090
6	1031	1269	1723	4365	7879	8240	3556	1082	744	785	923	1068
7	1050	1256	1739	4626	8089	8305	3453	1043	746	852	958	1022
8	1012	1358	1803	4738	8267	8345	3272	1030	742	873	949	1005
9	1041	1363	1940	4834	8425	8222	3146	982	775	832	976	985
10	1045	1314	1926	5115	8512	8147	2992	976	775	900	985	983
11	1030	1288	1969	5273	8477	7891	2870	984	789	872	1005	1047
12	1025	1278	2013	5435	8445	7806	2743	925	793	916	982	1162
13	1035	1296	2049	5731	8402	7714	2608	946	790	879	972	1113
14	1058	1339	2076	6084	8472	7654	2450	948	787	902	978	1088
15	1141	1326	2112	6290	8590	7449	2355	917	812	854	986	1070
16	1190	1339	2166	6538	8690	7384	2255	883	805	924	1004	1072
17	1215	1374	2260	6605	8681	7187	2116	881	793	901	952	1048
18	1236	1341	2409	6785	8776	6980	2011	848	772	889	993	1029
19	1286	1340	2623	6929	8768	6771	1914	872	763	867	958	1049
20	1292	1395	2725	6783	8636	6619	1825	862	824	887	1041	1017
21	1313	1407	2763	6755	8579	6404	1766	856	798	904	1047	1042
22	1370	1427	2844	6953	8509	6233	1710	833	798	895	1114	1119
23	1358	1421	2906	7023	8499	5988	1649	814	784	875	1164	1493
24	1321	1505	3000	7047	8664	5795	1578	813	802	912	1156	1582
25	1299	1500	3065	7108	8720	5506	1539	790	798	896	1178	1418
26	1245	1486	3091	7185	8804	5281	1475	781	787	902	1144	1242
27	1215	1555	3192	7239	8768	5294	1424	759	751	890	1117	1166
28	1205	1584	3269	7185	8814	4880	1388	751	773	901	1029	1158
29	1177	1695	3423	7114	8731	4669	1345	789	789	914	1020	1181
30	1181		3487	7044	8605	4505	1304	748	785	906	1062	1140
31	1176		3595		8612		1280	740		910		1112

CHART 3-A

NATURAL FLOW HIGH YEARS
PRODUCTION OVER 2,700,000 ACRE FT.

YEAR	AMOUNT PRODUCED OCT 1 - SEPT. 30	HIGH-MONTH	AMOUNT PRODUCED FOR MONTH	HIGH-DAY	24 HR. CFS AMOUNT PRODUCED	INSTANTANIOUS HIGH DURING THE DAY
1895-1896	3,301,142	JUNE	1,464,280	JUNE 14	35,500	
				(MAY 10-1899)	19,000	
1898-1899	2,914,444	JUNE	731,400	JUNE 20	18,700	
				(APRIL 15-1904)	19,700	
1903-1904	3,029,516	MAY	828,600	MAY 23	18,700	
				(APRIL 15-1907)	17,000	
1906-1907	3,207,380	MAY	683,520	MAY 19	13,400	
1908-1909	2,744,790	JUNE	655,220	JUNE 5 & 6	16,000	
				(MARCH 22-1910)	16,600	
1909-1910	2,756,360	APRIL	609,980	APRIL 12	12,000	
1920-1921	2,905,074	MAY	824,038	MAY 17	18,739	
1942-1943	3,563,670	APRIL	1,006,532	APRIL 18	25,040	
				(APRIL 28-1952)	23,429	
1951-1952	2,866,216	MAY	901,634	MAY 5	18,955	
1955-1956	3,173,886	MAY	841,354	MAY 25	22,949	
				(MAY 1, 1965)	20,503	
1964-1965	3,662,880	MAY	836,232	DECEMBER 24	27,294	44,000
1970-1971	3,423,948	MAY	922,614	MAY 14	20,253	
				(MAY 16, 1972	16,345)	
1971-1972	3,077,138	MAY	752,262	JUNE 2	19,559	
				(MAY 9, 1974)	18,469	
1973-1974	3,212,958	JUNE	787,716	JUNE 17	18,375	

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
1894-95	54700(8)	54000	62700	78600	68280	103180	243140	395220	225700	152380	63620	58000	1,559,580
1895-96	57040	54980	50780	73440	67660	157560	295040	555382	1464280	385520	81960	57500	3,301,142
1896-97	54220	61300(3)	64500	50520	55240	88000	476000(5)	508000(6)	415000(5)	143300	67250	62520	2,045,950
1897-98	63420	64100	61500(7)	34100	67200	119280	251700	320280	299360	116848	45720	39168	1,482,676
1898-99	53262	56242	151640	160600	78640	113900	425740	608020	731400	356160	109940	68900	2,914,444
1899-1900	83664	90000	97000	125420	100500	305220	380120	510720	300640	84156	53500	51212	2,182,152
1900-01	63570	61880	65060	79440	58340	179320	305900	626460	287420	116400	52222	49704	1,985,716
1901-02	56464	55892	76400	61300	90440	88920	213470	353460	287160	106720	49496	40914	1,480,656
1902-03	45630	54418	63474	81760	63570	143360	448220	520620	601880	147580	53000	46344	2,269,856
1903-04	58554	67800(7)	67800	124000(1)	108000(1)	264140	671840	828600	521060	201920	71972	43830	3,029,516
1904-05	58380	54000	54000(7)	50400(2)	56700(2)	101900	176200	229820	247660	78860	39870	34660	1,183,050
1905-06	42380	41010	40410	50810	57240	101100	337920	428100	346980	165340	58410	41090	1,703,390
1906-07	48350	73380	74000(6)	125400(3)	155000(4)	346120	673540	683580	534560	335840	101600	62070	3,207,380
1907-08	57890	55970	63300	67190	63282	141130	382380	370360	324780	197960	64920	55524	1,844,626
1908-09	68440	59280	58000	138160	110680	228840	473220	605240	655220	226800	63690	57220	2,744,790
1909-10	63140	200560	124760	79900	66600	566900	609980	311760	310360	110040	55970	56390	2,756,360
1910-11	63210	73780	76820	63010	76340	159570	323960	549120	740660	233040	74906	59656	2,454,052
1911-12	66670	66700	63500	78420	76120	99580	340990	684480	677360	173980	83380	66080	2,477,090
1912-13	66960	67820	60680	53800	51400	101800	374960	573740	413420	158660	82964	54290	2,060,494
1913-14	63524	80180	61384	71196	74968	216040	469040	553660	307700	124130	58742	52654	2,133,218
1914-15	69684	58366	44800	59580	59726	94782	196558	274128	191900	83872	40926	39672	1,213,994
1915-16	42410	45626	53346	49930	63262	197486	555062	563752	594764	293818	80102	53686	2,593,244
1916-17	53106	54020	53702	47628	47694	61740	267088	654156	643322	260216	65224	43950	2,257,840
1917-18	46004	49506	128392	113088	77736	181442	346840	409954	462460	112326	56292	51122	2,035,302
1918-19	64292	56578	49118	50532	52844	114916	395854	509192	240872	69736	36404	34262	1,674,600
1919-20	47968	56548	53010	66520	66714	89254	189044	449738	333468	117324	40586	39234	1,549,408
1920-21	59966	75678	67106	112422	94098	271472	394484	884038	718728	175390	62908	48784	2,905,074
1921-22	55492	78176	89958	60982	53180	113692	319642	752474	659864	148066	65210	47974	2,444,710
1922-23	52168	48886	52872	62094	50860	92700	273726	454010	376008	192504	67552	42946	1,766,526
1923-24	61592	52930	51286	48954	72446	63550	136450	243800	76792	35856	24426	25320	852,242
1924-25	39218	53862	42912	48414	129386	152378	501862	700486	367370	152598	60730	47302	2,336,518
1925-26	58424	51382	69482	48416	64864	140450	232784	247930	104636	42192	30838	29480	1,114,298
1926-27	34882	67640	84702	62700	107342	185560	374434	660044	725736	234042	74454	57570	2,673,106
1927-28	67804	143162	98102	90026	79090	276560	316008	852194	305760	115962	51846	38016	2,434,530
1928-29	49856	50464	46730	46690	49214	106834	179238	339536	285968	96482	35716	31802	1,338,510
1929-30	39356	36848	69548	44778	64388	103616	274178	895246	257700	77726	44922	36050	1,944,356

(1) MEAN OF 4 HIGH YEARS

(2) SUBSTITUTED FROM 1906

(3) SUBSTITUTED FROM 1900

(4) MISSING DAYS SUBSTITUTED FROM 1900

(5) MISSING DAYS SUBSTITUTED FROM 21 YEAR MEAN

(6) MISSING MONTHS SUBSTITUTED FROM 21 YEAR MEAN

(7) INTERPOLATED

(8) AVERAGE OF 5 SHORT WATER YEARS

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

CHART NO. 4

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
1930-31	54512	45418	44108	44814	45298	91246	177172	231538	110844	34042	23952	23940	946,884
1931-32	31424	31224	36376	38612	36754	135826	336006	364176	458224	154044	57524	42730	1,922,920
1932-33	39142	56478	40556	43526	41136	64474	239342	341610	538198	106458	43964	38200	1,587,524
1933-34	41604	47684	55656	79600	78948	151696	249648	204008	85624	36200	23570	26072	1,080,470
1934-35	37286	49444	51208	58236	54336	85150	299458	428328	363262	98220	38058	29980	1,583,126
1935-36	33616	38268	37352	44612	47356	100060	577394	625906	319284	79080	43354	38360	1,984,842
1936-37	39772	36600	41556	37568	41728	89870	207358	381192	178996	59986	25948	25746	1,166,320
1937-38	36226	49888	115760	67492	71366	191026	305100	711314	558138	201292	71190	46910	2,625,842
1938-39	60626	67794	60980	52836	47170	164294	328918	341836	136300	60358	28454	30436	1,379,002
1939-40	40474	38958	49268	53858	75724	201512	335842	434480	227758	64910	30808	39548	1,612,680
1940-41	53168	39764	56634	54260	65368	113448	188500	363336	266776	85452	54496	41720	1,404,782
1941-42	48600	63200	106838	62182	65162	87804	341622	325576	362374	159112	46790	35496	1,682,756
1942-43	42564	64068	81782	153190	116564	235138	1006532	722804	627754	359598	100484	53192	3,563,670
1943-44	61802	70704	55768	49412	58610	68094	164000	303208	247726	106326	43264	35352	1,258,266
1944-45	40828	52800	42902	38470	80124	99160	202368	473146	405996	159040	51630	39020	1,682,684
1945-46	45822	53670	74712	79530	65808	218604	639804	651660	378822	125920	56618	45272	2,436,242
1946-47	67394	72214	109398	60364	87278	181276	299400	545764	297240	110646	46168	38466	1,905,602
1947-48	56244	57382	55404	65382	60480	73396	264424	385792	439706	109372	44612	36580	1,799,114
1948-49	44642	53918	51094	49038	45314	146834	416548	571670	504424	93542	41120	31176	1,849,320
1949-50	49284	57162	51580	63802	75810	154776	402618	563086	548282	239398	76620	48176	2,329,114
1950-51	61640	84448	80906	69948	125878	125072	556968	684894	440580	195068	70570	42550	2,547,002
1951-52	79304	65432	86830	68642	77070	103080	672090	901634	518282	171498	68760	49854	2,866,216
1952-53	52108	48642	54646	100836	80486	126730	389366	403582	580956	254470	73246	48328	2,169,496
1953-54	44870	59788	57732	64266	92288	149836	381780	597558	339666	179018	66360	41668	2,074,702
1954-55	49332	50178	46140	46716	40444	55940	129852	397270	419360	131738	36734	40794	1,464,498
1955-56	31704	66686	203818	147212	104470	228250	636502	841354	582508	188844	62734	55716	3,173,886
1956-57	66612	68464	69508	52448	92880	194092	361256	755940	518012	148306	51944	53366	2,424,828
1957-58	54116	52148	58128	53682	121836	124694	323778	946374	501566	142466	61766	54424	2,494,378
1958-59	51842	63796	83574	76466	69702	92542	276734	331394	362136	104896	48432	67634	1,629,768
1959-60	86908	60852	48514	51664	64690	178830	358988	374362	333350	81574	45758	46244	1,725,934
1960-61	47044	53842	47966	42454	58830	91730	172064	298818	229386	56820	40060	38212	1,176,726
1961-62	52150	31660	51872	54534	78326	83072	407856	406458	425398	142512	57452	49386	1,861,296
1962-63	71052	65014	65918	43612	147124	91904	180298	452916	411904	148768	53310	36736	1,788,336
1963-64	53040	66998	51172	52170	53860	71218	262166	457280	407856	132946	50092	32798	1,731,596
1964-65	47408	54288	238810	160396	182606	185530	624180	836232	778888	338964	118326	77252	3,662,880
1965-66	65450	61218	52690	63168	47170	57960	248302	327154	178048	54000	39932	37766	1,271,978
1966-67	40108	46514	49118	65952	60048	83580	158430	483144	526606	177282	49100	45416	1,764,438
1967-68	38400	55142	49414	47040	98090	119292	152728	259286	278606	76126	72200	55250	1,321,574
1968-69	63830	79000	63568	127936	87134	143928	654184	724322	396016	128856	51878	48678	2,568,330
1969-70	56088	47734	52930	127058	101728	149020	189668	577010	571508	205552	61036	54930	2,194,302

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

CHART NO. 4

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
1970-71	59954	97070	100514	156024	167320	211494	548362	922614	708614	897436	90500	64046	3,423,948
1971-72	68434	61904	65210	101004	101026	446586	394274	752262	745556	208518	70876	61488	3,077,138
1972-73	67300	61702	69764	73772	58170	92920	180710	348218	227082	75108	41870	45360	1,341,976
1973-74	47726	97112	90004	130992	90940	259786	599914	736774	787716	238736	78966	54292	3,212,976
1974-75	59974	55046	54424	59334	63858	145754	204658	618984	696228	345470	84702	55480	2,443,912
1975-76	69938	65950	87954	71086	75852	108240	383236	637050	336204	126112	68604	67948	2,098,174
1976-77	60582	48552	45364	44144	40756	43966	76258	93676	99860	46748	30730	27986	658,622
1977-78	40284	45306	105045	80908	89730	224530	381218	470968	470402	230260	63758	67430	2,266,839
1978-79	53932	46640	48876	49294	54958	105706	140420	349668	199184	58260	44912	38732	1,190,662
1979-80	44574	39648	45274	73156	90782	124636	363104	572048	407242	110914	58564	59422	2,059,364

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE
APRIL

CHART NO. 3

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
AIKEN																																
ANDREWS																		3	3	3	3	3	3	3	3	3	3	3	5	5		45
BALLENTYNE																					21	21	21	21	21	21	21	21	21	16		205
BAXTER																		18	18	18	18	18	18	18	18	18	18	24	24	24		252
BOISE CITY																	14	14	14	14	14	14	14	14	14	14	14	14	14	20		202
BOWMAN-SWISHER															10	10	10	10	25	25	25	25	25	25	25	25	25	28	28	28		545
BUBB (SOUTH BOISE MUTUAL)																										11	11	11	11	11		55
CALDWELL HIGH LINE										5	5	5	5	5	5	5	5	10	10	10	10	10	10	10	10	10	10	10	10	10		139
CAMPBELL (CANYON)														25	25	32	32	32	32	32	32	35	46	42	42	45	50	55	66	66		689
CANYON COUNTY																		13	13	13	13	13	13	13	13	13	13	13	10	10		163
CONWAY-HAMMING																		40	40	60	60	71	65	69	61	62	77	58	58	58		779
DAVIS DITCH																										7	7	7	7	7		35
EUREKA #2																							8	8	8	8	8	11	11	11		73
FARMERS UNION											34	34	34	34	34	34	34	50	50	50	92	100	111	133	122	105	105	105	105	105		525
GRAHAM-GILBERT																										137	135	171	148	147		1684
HAAS																									3	3	3	3	3	3		18
HART-DAVIS																					12	12	12	12	12	12	12	12	12	14		122
ISLAND HIGH LINE																	7	7	7	7	7	7	7	7	7	7	7	11	11	11		110
LEMP																28	28	28	28	28	28	28	13	13	13	13	13	13	13	61		348
LITTLE PIONEER														16	16	16	16	32	32	32	32	10	10	10	10	10	10	10	37	37		336
LOWER CENTER POINT																	22	22	22	34	34	34	34	34	34	34	34	34	34	31		437
MACE-CATLIN																	7	7	7	7	7	7	7	7	7	7	7	9	9	9		104
MACE-MACE																		7	7	7	7	7	7	7	7	7	7	7	7	7		91
MAHON														20	20	20	20	20	20	20	20	20	58	58	58	58	58	58	58	63		649
McCONNEL ISLAND																																
McMANUS & TEATER																																
MIDDLETON										40	40	40	40	40	40	56	93	98	99	103	98	106	147	155	155	116	11	11	11	11		44
NEW DRY CREEK	1050	1050	1050	1050	1050	1050	1050	1050	1050	850	958	926	932	932	1083	1275	1275	40	40	40	40	27	40	52	52	50	124	137	139	147		2913
NEW YORK CANAL (B. OF C.)																		1319	1327	1327	1430	1528	1727	1829	1658	1848	57	70	73	56		637
PARMA																		21	21	21	21	21	21	21	21	21	1853	1863	1911	1959		39,260
PENITENTIARY																											21	21	21	23		275
PHYLLIS										160	120	120	120	120	168	160	172	219	226	259	289	308	358	379	340	297	338	340	337	343		0
RIDENBAUGH														230	230	260	260	0	0	140	177	276	297	320	269	323	372	384	386	396		5173
RIVERSIDE				133	133	133	133	133	160	155	176	170	166	168	168	221	232	221	221	218	230	204	198	255	252	242	255	236	236	252		4320
ROEDEL																																5301
ROSSI MILL																	8	8	8	8	8	8	8	8	8	8	8	8	8	8		112
SEBREE (FARMERS CO-OP)											75	75	75	75	75	116	160	147	151	151	188	224	222	226	176	176	164	176	234	237		3123
SETTLERS																					20	42	49	58	65	64	81	81	82	85		627
SEVEN SUCKERS																	2	2	2	2	2	2	2	2	2	2	2	2	2	2		28
STEENBERG																			5	5	5	5	5	5	5	5	5	5	5	5		60
THURMAN MILL																		31	31	31	31	31	31	31	31	31	31	31	31	31		403
UPPER CENTER POINT												6	6	6	6	6	6	6	6	6	6	6	12	12	12	12	12	12	12	14		98
WARM SPRINGS DITCH																							6	6	6	6	6	10	10	10		126
TOTAL CANAL DIVERSIONS	1050	1050	1050	1183	1183	1183	1183	1183	1210	1210	1408	1376	1378	1671	1880	2239	2403	2425	2465	2671	2980	3223	3605	3863	3540	3831	3988	4077	4200	4333		69,041
MISCELLANEOUS																																107
TOTAL DIVERSIONS																																69,148

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE

CHART NO. 5

MAY

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
																																48
AIKEN	5	5	5	5	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	523
ANDREWS	16	16	16	16	16	16	15	15	15	15	15	15	15	19	19	19	19	19	19	19	19	19	19	19	19	19	19	14	14	14	14	583
BALLENTYNE	24	24	24	24	18	18	18	18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	17	17	17	17	17	17	615
BAXTER	20	20	20	20	20	20	23	23	23	23	23	23	23	24	24	24	24	24	24	24	14	14	14	14	14	14	14	17	17	17	17	932
BOISE CITY	28	28	28	28	31	31	31	31	31	31	31	34	34	34	34	34	34	34	29	29	29	29	29	29	29	27	27	27	27	27	27	
BOWMAN-SWISHER	11	11	11	11	11	11	6	6	6	6	6	6	6	16	16	16	16	16	16	16	23	23	23	23	23	23	23	0	0	0	0	381
BUBB (SOUTH BOISE MUTUAL)	10	10	10	10	12	12	12	12	12	12	12	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	311
CALDWELL HIGH LINE	67	67	69	65	69	77	75	69	64	69	64	64	55	49	48	46	45	46	45	44	57	55	53	44	44	44	45	47	47	45	48	1714
CAMPBELL (CANYON)	10	10	10	10	11	22	22	22	22	22	22	22	17	17	17	17	17	17	17	22	22	22	22	22	22	22	26	26	26	26	26	607
CANYON COUNTY	51	48	58	77	71	77	79	78	77	77	72	64	58	58	57	54	51	51	69	69	68	55	70	87	69	52	26	35	35	35	36	1864
CONWAY-HANNING	7	7	7	7	0	0	0	0	0	0	0	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	77
DAVIS DITCH	11	11	11	11	8	8	8	8	8	8	8	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	8	8	8	8	8	204
EUREKA #2	105	105	105	105	105	105	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	119	88	88	88	88	3481
FARMERS UNION	158	171	183	199	210	218	210	215	252	202	202	222	239	239	226	197	187	183	199	231	228	254	231	175	124	135	133	108	108	115	116	5868
GRAHAM-GILBERT	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	54
HAAS	14	14	14	14	14	14	11	11	11	11	11	11	11	15	15	15	15	15	15	15	13	13	13	13	13	13	13	12	12	12	12	405
HART-DAVIS	11	11	11	11	17	17	17	17	17	17	17	15	15	15	15	15	15	15	8	8	8	8	8	8	8	7	7	7	7	7	7	366
ISLAND HIGH LINE	61	61	61	61	61	61	85	85	85	85	85	85	85	88	88	88	88	88	88	88	67	67	67	67	67	67	67	85	85	85	85	2386
LEMP	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	79
LITTLE PIONEER	37	37	37	37	37	67	67	67	67	67	67	67	44	44	44	44	44	44	44	38	38	38	38	38	38	38	37	37	37	37	37	1413
LOWER CENTER POINT	31	31	31	31	31	31	33	33	33	33	33	33	33	36	36	36	36	36	36	36	31	31	31	31	31	31	31	38	38	38	38	1038
MACE-CATLIN	9	9	9	9	0	0	0	9	9	9	9	7	7	7	7	7	7	7	4	4	4	4	4	4	4	0	0	0	0	0	0	149
MACE-MACE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MARMON	7	7	7	7	7	7	0	0	0	0	0	0	0	7	7	7	7	7	7	7	7	7	7	7	7	7	7	0	0	0	0	140
McCONNEL ISLAND	63	63	63	63	63	63	61	61	61	61	61	61	61	61	61	61	61	61	61	61	46	46	46	46	46	46	46	51	51	51	51	1758
McNAMIS & TEATER	11	11	11	11	11	11	8	8	8	8	8	8	8	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	150
MIDDLETON	171	170	170	167	167	166	177	180	174	177	161	164	153	152	146	137	143	143	144	131	128	116	117	152	152	153	143	143	146	147	149	4739
NEW DRY CREEK	59	69	70	70	81	74	83	80	80	80	80	67	56	56	55	54	54	49	59	54	52	63	63	67	42	32	40	40	43	45	43	1860
NEW YORK CANAL (E. OF C.)	2017	2070	2200	2200	2180	2404	2519	2508	2482	2503	2503	2503	2503	2503	2503	2456	2311	2321	2321	2321	2435	2430	2456	2456	2446	2446	2200	2011	1718	1455	1327	70,698
PARMA	23	23	23	23	23	23	25	25	25	25	25	25	25	25	25	25	25	25	25	25	20	20	20	20	20	20	20	7	7	7	7	656
PENITENTIARY	4	5	7	7	11	11	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
PHYLLIS	344	393	404	406	435	439	493	493	532	487	495	495	464	465	461	446	435	435	423	425	416	419	421	427	356	354	305	301	301	303	307	12,380
RIDENBAUGH	396	410	410	434	458	466	495	496	496	495	495	474	476	476	482	460	461	485	530	530	530	530	539	551	542	432	433	461	482	482	496	14,903
RIVERSIDE	261	239	239	239	239	237	230	244	235	243	252	252	242	234	236	263	241	241	245	230	221	198	221	255	263	265	259	266	274	258	250	7571
ROEDEL																																
ROSSI MILL	9	9	9	9	8	9	8	0	0	0	0	0	0	0	9	8	8	8	7	9	9	9	9	9	0	8	9	9	9	9	9	208
SEBREE (FARMERS CO-OP)	228	196	196	194	194	238	275	270	270	286	283	286	286	286	283	273	234	222	222	217	211	192	222	234	139	141	143	143	143	145	145	6795
SETTLERS	99	108	129	135	165	168	161	172	110	142	160	155	155	151	153	132	144	145	147	142	142	149	141	144	125	123	106	106	107	107	107	4230
SEVEN SUCKERS	2	2	2	2	0	0	0	0	0	0	0	3	3	3	3	3	3	3	2	2	2	2	2	2	2	0	0	0	0	0	0	43
SIEBENBERG	5	5	5	5	5	5	5	5	5	5	5	5	5	6	6	6	6	6	6	6	10	10	10	10	10	10	10	9	9	9	9	213
SHERMAN MILL	31	31	31	31	34	34	34	34	34	34	34	32	32	32	32	32	32	32	28	28	28	28	28	28	28	28	28	28	28	28	28	950
UPPER CENTER POINT	14	14	14	14	14	14	24	24	24	24	24	24	24	19	19	19	19	19	19	19	18	18	18	18	18	18	18	14	14	14	14	567
WARM SPRINGS DITCH	10	10	10	10	17	17	17	17	17	17	17	6	6	6	6	6	6	6	10	10	10	10	10	10	10	7	7	7	7	7	7	313
TOTAL CANAL DIVERSIONS	4437	4537	4727	4784	4844	5217	5466	5460	5433	5422	5428	5381	5302	5308	5298	5165	4953	4968	5029	5020	5062	5035	5108	5166	4876	4733	4395	4171	3914	3647	3534	151,828
MISCELLANEOUS																																293
TOTAL DIVERSIONS																																152,121

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE
JUNE

CHART NO. 5

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
AIKEN	0	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4		53
ANDREWS	14	14	14	21	21	21	21	21	21	21	9	9	9	9	9	9	9	19	19	19	19	19	19	19	17	17	17	17	17	17		487
BALLENTYNE	17	12	12	12	12	12	12	12	14	14	14	14	14	14	14	19	19	19	19	19	19	19	26	26	26	26	26	26	26	17		531
BAXTER	17	17	17	19	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		544
BOISE CITY	27	30	30	30	30	30	30	30	31	31	31	31	31	31	31	30	30	30	30	30	30	30	33	33	33	33	33	33	33	34		929
BOWMAN-SWISHER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	13	13	13	13	13	13	16	16	16	16	16	16		187
BUBB (SOUTH BOISE MUTUAL)	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11		300
CALDWELL HIGH LINE	48	48	53	54	50	50	50	54	52	50	49	49	54	53	53	53	50	57	52	50	56	56	56	69	62	62	63	63	63	58		1637
CAMPBELL (CANYON)	26	26	24	24	24	24	24	24	24	22	22	22	22	22	22	22	23	23	23	23	23	23	23	25	25	25	25	25	25	25		710
CANYON COUNTY	36	45	46	45	46	46	47	47	47	87	84	80	80	71	71	72	66	65	73	84	87	89	100	82	76	62	61	70	69	68		2002
CONWAY-HAMMING	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	4		18
DAVIS DITCH	8	0	0	0	0	0	0	0	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	10		200
EUREKA #2	88	88	88	92	92	92	92	92	92	92	115	115	115	115	115	115	115	105	105	105	105	105	105	105	96	96	96	96	96	96		3024
FARMERS UNION	128	136	135	151	153	147	147	147	169	167	239	252	257	254	254	222	218	215	213	239	236	231	234	234	236	239	249	254	247	252		6255
GRAHAM-GILBERT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3		24
HAAS	12	12	12	10	10	10	10	10	10	10	11	11	11	11	11	11	11	9	9	9	9	9	9	9	8	8	8	8	8	8		294
HART-DAVIS	7	3	3	3	3	3	3	3	11	11	11	11	11	11	11	10	10	10	10	10	10	10	13	13	13	13	13	13	13	18		284
ISLAND HIGH LINE	85	85	85	78	78	78	78	78	78	78	78	78	78	78	78	78	78	49	49	49	49	49	49	49	50	50	50	50	50	50		1990
LEMP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5		68
LITTLE PIONEER	37	37	32	32	32	32	32	32	32	37	37	37	37	37	37	37	43	43	43	43	43	43	43	40	40	40	40	40	40	40		1138
LOWER CENTER POINT	38	38	38	16	16	16	16	16	16	16	17	17	17	17	17	17	17	29	29	29	29	29	29	29	46	46	46	46	46	46		824
MACE-CATLIN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	13	13	13	13	13	13	13	6		146
MACE-MACE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		0
MAMMON	0	0	0	0	0	0	0	0	0	0	6	6	6	6	6	6	6	10	10	10	10	10	10	10	13	13	13	13	13	13		190
McCONNEL ISLAND	51	51	51	48	48	48	48	48	48	48	56	56	56	56	56	56	56	55	55	55	55	55	55	55	65	65	65	65	65	65		1656
MCNAMUS & TEATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4		24
MIDDLETON	146	143	151	149	146	144	146	146	144	132	181	183	179	174	174	174	173	170	177	200	197	210	207	188	179	170	141	191	194	190		5099
NEW DRY CREEK	43	49	50	50	52	50	52	52	66	65	63	63	63	57	56	65	63	63	67	70	76	79	86	87	85	65	81	83	83	84		1968
NEW YORK CANAL (B. OF C.)	1327	1327	1327	1410	1496	1603	1576	1585	1585	1685	1863	2055	2326	2430	2430	2430	2535	2640	2702	2537	2612	2612	2629	2651	2651	2679	2679	2668	2679	2679		65,408
PARMA	7	7	7	15	15	15	15	15	15	15	15	15	15	15	15	15	15	18	18	18	18	18	18	18	10	10	10	10	10	10		417
PENITENTIARY	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	8	8	8	6	6	6	10	11	11	11	11	11	11	11		169
PHYLLIS	307	307	296	297	293	293	293	291	348	403	455	453	447	451	453	457	452	453	469	497	497	503	499	508	501	497	507	507	507	507		12,748
RIDENBAUGH	513	463	445	448	448	449	451	467	485	489	508	510	486	489	492	502	506	508	510	514	508	508	502	501	501	506	506	506	506	495		14,722
RIVERSIDE	250	247	236	244	252	250	249	250	235	230	209	269	286	257	250	257	231	217	236	238	242	244	255	229	247	214	233	236	253	260		7306
ROEDEL																																
ROSSI MILL	9	11	11	11	11	11	11	11	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		269
SEBREE (FARMERS CO-OP)	143	145	134	127	133	133	133	133	160	265	289	301	327	318	318	318	302	295	327	333	363	378	348	348	348	345	348	363	363	363		8201
SETTLERS	107	95	93	94	96	87	87	87	86	86	97	102	102	111	122	134	138	141	148	152	165	180	181	178	174	172	172	177	176	177		3917
SEVEN SUCKERS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	0		21
SIEBENBERG	9	9	9	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	13	13	13	13	13	13		329
THURMAN MILL	28	27	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	40	40	40	40	40	40	40	28		917
UPPER CENTER POINT	14	14	14	14	14	14	14	14	14	14	0	0	0	0	0	0	0	23	23	23	23	23	23	23	26	26	26	26	26	26		457
WARM SPRINGS DITCH	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	7	7	7	7	7	7	7	10	10	10	10	10	10	10	6		258
TOTAL CANAL DIVERSIONS	3558	3597	3461	3552	3648	3735	3714	3742	3876	4161	4552	4840	5130	5188	5196	5219	5276	5389	5539	5477	5602	5653	5712	5690	5698	5649	5678	5756	5778	5745		142,701
MISCELLANEOUS																																297
TOTAL DIVERSIONS																																143,018

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE
JULY

CHART NO. 5

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
AIREN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	4	4	4	4	96
ANDREWS	17	7	7	7	7	7	7	7	17	17	17	17	17	17	17	24	24	24	24	24	24	24	34	34	34	34	34	34	34	30	30	651
BALLENTYNE	17	17	17	17	17	17	20	20	20	20	20	20	20	21	21	21	21	21	21	21	18	18	18	18	18	18	18	18	18	18	18	587
BAXTER	18	5	5	5	5	5	5	5	5	5	5	5	5	5	5	13	13	13	13	13	13	13	9	9	9	9	9	9	9	19	19	290
BOISE CITY	34	34	34	34	34	34	34	34	34	34	34	34	34	31	31	31	31	31	31	31	30	30	30	30	30	30	30	29	29	29	29	985
BOWMAN-SWISHER	16	12	12	12	12	12	12	12	0	0	0	0	0	0	0	19	19	19	19	19	19	19	4	4	4	4	4	4	4	11	11	283
BUBB (SOUTH BOISE MUTUAL)	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	11	11	11	11	348
CALDWELL HIGH LINE	56	52	52	52	53	52	49	53	53	53	52	46	54	54	61	59	68	54	69	61	69	56	54	56	54	56	57	57	55	55	54	1726
CAMPBELL (CANYON)	32	32	32	32	32	32	32	31	31	31	31	31	31	31	30	30	30	30	30	30	30	24	24	24	24	24	24	24	28	28	28	903
CANYON COUNTY	72	72	74	76	74	74	54	57	58	52	55	74	96	97	61	68	71	69	69	67	67	83	82	82	82	84	85	85	82	80	80	2282
CONWAY-HANNING	4	4	4	4	4	4	0	0	0	0	0	0	0	4	4	4	4	4	4	4	5	5	5	5	5	5	5	4	4	4	4	103
DAVIS DITCH	10	10	10	10	10	10	11	11	11	11	11	11	11	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	306
EUREKA #2	96	110	110	110	110	110	110	110	105	105	105	105	105	105	105	107	107	107	107	107	107	107	110	110	110	110	110	110	110	134	134	3388
FARMERS UNION	254	254	234	234	226	226	235	236	236	228	228	231	228	240	254	252	247	236	236	228	229	228	221	221	221	221	223	229	226	228	226	7216
GRAHAM-GILBERT	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
HAAS	8	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18	15	15	521
HART-DAVIS	18	18	18	18	18	18	9	9	9	9	9	9	9	13	13	13	13	13	13	13	10	10	10	10	10	10	10	18	18	18	18	404
ISLAND HIGH LINE	50	48	48	48	48	48	48	48	43	43	43	43	43	43	43	41	41	41	41	41	41	41	53	53	53	53	53	53	53	47	47	1439
LEMP	5	5	5	5	5	5	7	7	7	7	7	7	7	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	158
LITTLE PIONEER	43	43	43	43	43	43	45	25	25	25	25	25	25	25	32	32	32	32	32	32	32	40	40	40	40	40	40	40	34	34	34	1082
LOWER CENTER POINT	46	34	34	34	34	34	34	34	29	29	29	29	29	29	29	29	29	29	29	29	29	29	34	34	34	34	34	34	34	29	29	986
MACE-CATLIN	6	6	6	6	6	6	1	1	1	1	1	1	1	9	9	9	9	9	9	9	11	11	11	11	11	11	11	9	9	9	9	219
MACE-MACE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	0	0	0	0	14
MARMON	13	13	13	13	13	13	13	13	10	10	10	10	10	10	10	7	7	7	7	7	7	7	10	10	10	10	10	10	10	10	10	313
MCCONNEL ISLAND	65	59	59	59	59	59	59	59	49	49	49	49	49	49	49	60	60	60	60	60	60	60	59	59	59	59	59	59	59	53	53	1760
MCMANUS & TEATER	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	9	9	9	9	9	9	9	9	9	9	9	9	0	0	130
MIDDLETON	175	149	231	202	204	205	141	182	188	176	183	184	180	170	187	176	176	176	179	180	186	179	179	176	173	170	167	165	166	165	168	5538
NEW DRY CREEK	82	82	82	73	74	79	70	74	73	71	73	73	73	61	73	71	71	74	74	73	74	73	73	73	71	73	71	67	69	69	69	2258
NEW YORK CANAL (B. OF C.)	2679	2679	2702	2718	2707	2718	2718	2718	2718	2713	2746	2741	2741	2741	2735	2730	2746	2769	2758	2758	2769	2763	2758	2758	2718	2718	2718	2718	2718	2718	2718	84,609
PARMA	10	24	24	24	24	24	24	24	13	13	13	13	13	13	13	12	12	12	12	12	12	12	17	17	17	17	17	17	17	19	19	510
PENITENTIARY	11	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	11	11	338
PHYLLIS	504	515	515	505	507	505	505	506	509	509	509	485	491	477	443	451	446	446	425	423	394	431	433	437	440	437	440	442	421	437	429	14,417
RIDENBAUGH	493	493	416	435	495	495	495	495	495	498	498	499	499	506	503	503	503	507	508	508	503	499	501	501	503	503	506	581	510	512	512	15,545
RIVERSIDE	223	221	252	245	266	261	258	239	221	220	227	236	227	244	229	214	211	221	224	218	221	209	205	193	199	204	231	265	210	214	216	7024
ROEDEL																																
ROSSI MILL	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	248
SEBREE (FARMERS CO-OP)	329	331	333	339	336	333	312	336	351	345	333	327	292	297	295	295	295	295	295	278	278	273	270	268	300	303	303	303	292	286	278	9509
SETTLERS	177	177	179	178	175	177	176	174	177	177	175	177	177	176	176	173	175	175	175	177	175	175	174	174	174	174	174	175	173	172	174	5437
SEVEN SUCKERS	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	3	3	3	3	2	0	0	0	0	0	0	0	2	2	2	2	40
SIEBENBERG	13	11	11	11	11	11	11	11	10	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	11	11	294
THURMAN MILL	28	28	28	28	28	28	33	33	33	33	33	33	33	35	35	35	35	35	35	35	35	35	35	35	35	35	35	37	37	37	37	1037
UPPER CENTER POINT	26	22	22	22	22	22	22	22	20	20	20	20	20	20	20	0	0	0	20	20	20	20	23	23	23	23	23	23	23	23	23	607
WARM SPRINGS DITCH	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	5	5	5	5	149
TOTAL CANAL DIVERSIONS	5664	5633	5750	5717	5717	5725	5608	5646	5611	5574	5611	5605	5590	5608	5567	5571	5588	5602	5612	5570	5558	5564	5567	5556	5552	5560	5592	5641	5544	5571	5559	175,833
MISCELLANEOUS																																478
TOTAL DIVERSIONS																																174,311

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE
AUGUST

CHART NO. 5

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
AIKEN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	124
ANDREWS	30	30	30	30	30	22	22	22	22	22	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	29	29	29	29	29	729
BALLENTYNE	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	18	18	18	18	18	18	18	16	16	16	16	16	16	16	551
BAXTER	19	19	19	19	19	19	19	19	19	19	19	19	17	17	17	17	17	17	17	12	12	12	12	12	12	12	16	16	16	16	16	511
BOISE CITY	29	29	29	27	27	27	27	27	27	27	29	29	29	29	29	29	29	23	23	23	23	23	23	23	21	21	21	21	21	21	21	787
BOWMAN-SWISHER	11	11	11	11	11	9	9	9	9	9	9	9	11	11	11	11	11	11	11	8	8	8	8	8	8	8	12	12	12	12	12	311
BUBB (SOUTH BOISE MUTUAL)	11	11	11	12	12	12	12	12	12	12	11	11	11	11	11	11	11	9	9	9	9	9	9	9	7	7	7	7	7	7	7	306
CALDWELL HIGH LINE	60	60	61	50	45	47	47	48	46	46	44	41	39	53	50	50	50	48	56	52	50	48	46	45	49	47	43	44	43	44	44	1496
CAMPBELL (CANYON)	28	28	28	28	21	21	21	21	21	21	21	36	36	36	36	36	36	36	30	30	30	30	30	30	30	39	39	39	39	39	39	955
CANYON COUNTY	84	84	84	85	78	79	63	63	61	63	63	67	80	79	80	79	80	81	75	73	69	70	71	70	68	66	57	58	58	56	55	2199
CONWAY-HANNING	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	4	4	4	4	4	4	4	5	5	5	5	5	5	5	103
DAVIS DITCH	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	9	10	10	10	10	10	10	10	293
EUREKA #2	134	134	134	134	134	139	139	139	139	137	139	139	129	129	129	129	129	129	129	124	124	124	124	124	124	124	110	110	110	110	110	3964
FARMERS UNION	226	218	218	222	215	213	203	203	203	203	205	205	208	205	210	213	213	215	197	197	195	183	183	183	186	189	179	179	177	175	175	6196
GRAHAM-GILBERT	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
HAAS	15	15	15	15	15	16	16	16	16	16	16	16	12	12	12	12	12	12	12	16	16	16	16	16	16	16	21	21	21	21	21	488
HART-DAVIS	18	18	18	10	10	10	10	10	10	10	6	6	6	6	6	6	6	13	13	13	13	13	13	13	10	10	10	10	10	10	10	327
ISLAND HIGH LINE	47	47	47	47	47	58	58	58	58	58	58	58	52	52	52	52	52	52	52	60	60	60	60	60	60	60	47	47	47	47	47	1660
LENP	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	145
LITTLE PIONEER	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	37	37	37	37	37	37	37	31	31	31	31	31	31	1071
LOWER CENTER POINT	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	28	28	28	28	28	28	28	36	36	36	36	36	934
MACE-CATLIN	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	286
MACE-MACE	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	56
MANNON	10	10	10	10	10	10	10	10	10	10	10	10	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	367
McCONNEL ISLAND	53	53	53	53	53	51	51	51	51	51	51	51	59	59	59	59	59	59	59	58	58	58	58	58	58	58	61	61	61	61	61	1746
McNAMUS & TEATER	0	0	0	0	0	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	69
MIDDLETON	174	168	167	167	167	168	174	174	177	168	180	161	162	164	164	165	179	176	154	156	162	152	155	158	152	137	138	143	135	143	143	4985
NEW DRY CREEK	66	66	69	73	73	73	73	72	73	73	71	73	73	73	67	67	62	52	50	57	52	54	54	59	63	63	65	65	67	66	66	2030
NEW YORK CANAL (B. OF C.)	2679	2679	2679	2679	2623	2618	2623	2640	2640	2640	2640	2640	2640	2640	2640	2612	2612	2623	2612	2557	2503	2551	2551	2562	2568	2456	2456	2373	2326	2285	2285	79,632
PARMA	19	19	19	19	19	20	20	20	20	20	20	20	18	18	18	18	18	18	18	23	23	23	23	23	23	23	13	13	13	13	13	587
PENITENTIARY	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	349
PHYLLIS	435	440	433	429	422	406	383	404	406	425	427	418	427	425	423	425	425	421	414	406	414	410	406	410	423	397	377	352	333	311	311	12,538
RIDENBAUGH	512	510	510	500	486	488	488	491	491	493	495	495	495	496	496	498	498	497	498	499	496	496	498	498	490	491	488	486	482	467	467	15,295
RIVERSIDE	209	210	218	223	203	190	184	193	184	191	190	191	197	192	199	199	204	214	204	194	191	192	192	194	198	193	205	204	209	202	203	6172
ROEDEL																																
ROSSI MILL	8	8	8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	234
SEBREE (FARMERS CO-OP)	286	306	303	300	295	289	286	286	283	303	303	301	295	295	295	295	295	297	336	330	330	330	333	312	312	310	309	309	309	309	273	9415
SETTLERS	174	174	174	175	175	174	173	174	163	165	162	165	165	165	164	165	165	162	162	163	162	162	163	164	164	164	160	163	160	162	161	5144
SEVEN SUCKERS	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50
SIEBENBERG	11	11	11	11	11	10	10	10	10	10	10	10	11	11	11	11	11	11	11	15	15	15	15	15	15	15	14	14	14	14	14	377
THURMAN MILL	37	37	37	35	35	35	35	35	35	35	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	30	30	30	30	30	30	1014
UPPER CENTER POINT	23	23	23	23	23	15	15	15	15	15	15	15	17	17	17	17	17	17	17	21	21	21	21	21	21	21	10	10	10	10	10	536
WARM SPRINGS DITCH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	141
TOTAL CANAL DIVERSIONS	5540	5550	5551	5529	5404	5363	5321	5372	5351	5314	5397	5389	5397	5403	5404	5384	5401	5401	5369	5304	5244	5268	5272	5276	5284	5127	5079	4978	4901	4822	4785	164,266
MISCELLANEOUS																																534
TOTAL DIVERSIONS																																164,800

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE
AUGUST

CHART NO. 5

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
AIKEN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	124
ANDREWS	30	30	30	30	30	22	22	22	22	22	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	29	29	29	29	29	729
BALLENTYNE	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	18	18	18	18	18	18	18	16	16	16	16	16	16	16	551
BAXTER	19	19	19	19	19	19	19	19	19	19	19	19	17	17	17	17	17	17	17	12	12	12	12	12	12	12	16	16	16	16	16	511
BOISE CITY	29	29	29	27	27	27	27	27	27	27	29	29	29	29	29	29	29	23	23	23	23	23	23	23	21	21	21	21	21	21	21	787
BOWMAN-SWISHER	11	11	11	11	11	9	9	9	9	9	9	9	11	11	11	11	11	11	11	8	8	8	8	8	8	8	12	12	12	12	12	311
BUBB (SOUTH BOISE MUTUAL)	11	11	11	12	12	12	12	12	12	12	11	11	11	11	11	11	11	9	9	9	9	9	9	9	7	7	7	7	7	7	7	306
CALDWELL HIGH LINE	60	60	61	50	45	47	47	48	46	46	44	41	39	53	50	50	50	48	56	52	50	48	46	45	49	47	43	44	43	44	44	1496
CAMPBELL (CANYON)	28	28	28	28	21	21	21	21	21	21	21	36	36	36	36	36	36	36	30	30	30	30	30	30	30	39	39	39	39	39	39	955
CANYON COUNTY	84	84	84	85	78	79	63	63	61	63	63	67	80	79	80	79	80	81	75	73	69	70	71	70	68	66	57	58	58	56	55	2199
CONWAY-HAMMING	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	4	4	4	4	4	4	4	5	5	5	5	5	5	5	103
DAVIS DITCH	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	9	10	10	10	10	10	10	10	293
EUREKA #2	134	134	134	134	134	139	139	139	139	139	139	139	129	129	129	129	129	129	129	124	124	124	124	124	124	124	110	110	110	110	110	3964
FARMERS UNION	226	218	218	222	215	213	203	203	203	203	205	205	208	205	210	213	213	215	197	197	195	183	183	183	186	189	179	179	177	175	175	6196
GRAHAM-GILBERT	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
HAAS	15	15	15	15	15	16	16	16	16	16	16	16	12	12	12	12	12	12	12	16	16	16	16	16	16	16	21	21	21	21	21	488
HART-DAVIS	18	18	18	10	10	10	10	10	10	10	6	6	6	6	6	6	6	13	13	13	13	13	13	13	10	10	10	10	10	10	10	327
ISLAND HIGH LINE	47	47	47	47	47	58	58	58	58	58	58	58	52	52	52	52	52	52	52	60	60	60	60	60	60	60	47	47	47	47	47	1660
LENP	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	145
LITTLE PIONEER	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	37	37	37	37	37	37	37	31	31	31	31	31	31	1071
LOWER CENTER POINT	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	28	28	28	28	28	28	28	36	36	36	36	36	934
MACE-CATLIN	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	286
MACE-MACE	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	56
MANNON	10	10	10	10	10	10	10	10	10	10	10	10	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	367
McCONNEL ISLAND	53	53	53	53	53	51	51	51	51	51	51	51	59	59	59	59	59	59	59	58	58	58	58	58	58	58	61	61	61	61	61	1746
McNANUS & TEATER	0	0	0	0	0	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	69
MIDDLETON	174	168	167	167	163	168	174	174	177	168	180	161	162	164	164	165	179	176	154	156	162	152	155	158	152	137	138	143	135	143	143	4985
NEW DRY CREEK	66	66	69	73	73	73	73	72	73	73	71	73	73	73	67	67	62	52	50	57	52	54	54	59	63	63	65	65	67	66	66	2030
NEW YORK CANAL (B. OF C.)	2679	2679	2679	2679	2623	2618	2623	2640	2640	2640	2640	2640	2640	2640	2640	2612	2612	2623	2612	2557	2503	2551	2551	2562	2568	2456	2456	2373	2326	2285	2285	79,632
PARMA	19	19	19	19	19	20	20	20	20	20	20	20	18	18	18	18	18	18	18	23	23	23	23	23	23	23	13	13	13	13	13	587
PENITENTIARY	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	349
PHYLLIS	435	440	433	429	422	406	383	404	406	425	427	418	427	425	423	425	425	421	414	406	414	410	406	410	423	397	377	352	333	311	311	12,538
RIDENBAUGH	512	510	510	500	486	488	488	491	491	493	495	495	495	496	496	498	498	497	498	499	496	496	498	498	490	491	488	486	482	467	467	15,295
RIVERSIDE	209	210	218	223	203	190	184	193	184	191	190	191	197	192	199	199	204	214	204	194	191	192	192	194	198	193	205	204	209	202	203	6172
ROEDEL																																
ROSSI MILL	8	8	8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	234
SEBREE (FARMERS CO-OP)	286	306	303	300	295	289	286	286	283	303	303	301	295	295	295	295	295	297	336	330	330	330	333	312	312	310	309	309	309	309	273	9415
SETTLERS	174	174	174	175	175	174	173	174	163	165	162	165	165	165	164	165	165	162	162	163	162	162	163	164	164	164	160	163	160	162	161	5144
SEVEN SUCKERS	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50
SIEBENBERG	11	11	11	11	11	10	10	10	10	10	10	10	11	11	11	11	11	11	11	15	15	15	15	15	15	15	14	14	14	14	14	377
THURMAN MILL	37	37	37	35	35	35	35	35	35	35	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	30	30	30	30	30	30	1014
UPPER CENTER POINT	23	23	23	23	23	15	15	15	15	15	15	15	17	17	17	17	17	17	17	21	21	21	21	21	21	21	10	10	10	10	10	536
WARM SPRINGS DITCH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	141
TOTAL CANAL DIVERSIONS	5540	5550	5551	5529	5404	5369	5321	5372	5351	5394	5397	5389	5397	5403	5404	5384	5401	5401	5369	5304	5244	5268	5272	5276	5284	5127	5079	4978	4901	4822	4785	164,266
MISCELLANEOUS																																534
TOTAL DIVERSIONS																																164,800

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE
AUGUST

CHART NO. 5

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
ALKEN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	124
ANDREWS	30	30	30	30	30	22	22	22	22	22	22	22	20	20	20	20	20	20	20	20	20	20	20	20	20	20	29	29	29	29	29	729
BALLENTYNE	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19	18	18	18	18	18	18	18	16	16	16	16	16	16	16	551
BAXTER	19	19	19	19	19	19	19	19	19	19	19	19	17	17	17	17	17	17	17	12	12	12	12	12	12	12	16	16	16	16	16	511
BOISE CITY	29	29	29	27	27	27	27	27	27	27	29	29	29	29	29	29	29	23	23	23	23	23	23	23	21	21	21	21	21	21	21	787
BOWMAN-DWISHER	11	11	11	11	11	9	9	9	9	9	9	9	11	11	11	11	11	11	11	8	8	8	8	8	8	8	12	12	12	12	12	311
BUBB (SOUTH BOISE MUTUAL)	11	11	11	12	12	12	12	12	12	12	11	11	11	11	11	11	11	9	9	9	9	9	9	9	7	7	7	7	7	7	7	306
CALDWELL HIGH LINE	60	60	61	50	45	47	47	48	46	46	44	41	39	53	50	50	50	48	56	52	50	48	46	45	49	47	43	44	43	44	44	1496
CAMPBELL (CANYON)	28	28	28	28	21	21	21	21	21	21	21	36	36	36	36	36	36	36	30	30	30	30	30	30	30	39	39	39	39	39	39	955
CANYON COUNTY	84	84	84	85	78	79	63	63	61	63	63	67	80	79	80	79	80	81	75	73	69	70	71	70	68	66	57	58	58	56	55	2199
CONWAY-HANKING	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	4	4	4	4	4	4	4	5	5	5	5	5	5	5	103
DAVIS DITCH	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	9	10	10	10	10	10	10	10	293
EUREKA #2	134	134	134	134	134	139	139	139	139	139	139	139	129	129	129	129	129	129	129	124	124	124	124	124	124	124	110	110	110	110	110	3964
FARMERS UNION	226	218	218	222	215	213	203	203	203	203	205	205	208	205	210	213	213	215	197	197	195	183	183	183	186	180	179	179	177	175	175	6196
GRAHAM-GILBERT	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
HAAS	15	15	15	15	15	16	16	16	16	16	16	16	12	12	12	12	12	12	12	16	16	16	16	16	16	16	21	21	21	21	21	488
HART-DAVIS	18	18	18	10	10	10	10	10	10	10	6	6	6	6	6	6	6	13	13	13	13	13	13	13	10	10	10	10	10	10	10	327
ISLAND HIGH LINE	47	47	47	47	47	58	58	58	58	58	58	58	52	52	52	52	52	52	52	60	60	60	60	60	60	60	47	47	47	47	47	1660
LEMP	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4	4	4	145
LITTLE PIONEER	34	34	34	34	35	35	35	35	35	35	35	35	35	35	35	35	35	35	37	37	37	37	37	37	37	31	31	31	31	31	31	1071
LOWER CENTER POINT	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	28	28	28	28	28	28	28	36	36	36	36	36	934
MACE-CATLIN	9	9	9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9	9	286
MACE-MACE	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	56
MANNON	10	10	10	10	10	10	10	10	10	10	10	10	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	367
McCONNEL ISLAND	53	53	53	53	53	51	51	51	51	51	51	51	59	59	59	59	59	59	59	58	58	58	58	58	58	58	61	61	61	61	61	1746
McNAMUS & TEATER	0	0	0	0	0	7	7	7	7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	69
MIDDLETON	174	168	167	167	161	168	174	174	177	168	180	161	162	164	164	165	179	176	154	156	162	152	155	158	152	137	138	143	135	143	143	4385
NEW DRY CREEK	66	66	69	73	73	73	73	72	73	73	71	73	73	73	67	67	62	52	50	57	52	54	54	59	63	63	65	65	67	66	66	2030
NEW YORK CANAL (B. OF C.)	2679	2679	2679	2679	2623	2618	2623	2640	2640	2640	2640	2640	2640	2640	2640	2612	2612	2623	2612	2557	2503	2551	2551	2562	2568	2456	2456	2373	2326	2285	2285	79,632
PARMA	19	19	19	19	19	20	20	20	20	20	20	20	18	18	18	18	18	18	18	23	23	23	23	23	23	23	13	13	13	13	13	587
PENITENTIARY	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	349
PHYLLIS	435	440	433	429	422	406	383	404	406	425	427	418	427	425	423	425	425	421	414	406	414	410	406	410	423	397	377	352	333	311	311	12,538
RIDENBAUGH	512	510	510	500	486	488	488	491	491	493	495	495	495	496	496	498	498	497	498	499	496	496	498	498	490	491	488	486	482	467	467	15,295
RIVERSIDE	209	210	218	223	203	190	184	193	184	191	190	191	197	192	199	199	204	214	204	194	191	192	192	194	198	193	205	204	209	200	203	6172
ROEDEL																																
ROSSI MILL	8	8	8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	234
SEBREE (FARMERS CO-OP)	286	306	303	300	295	289	286	286	283	303	303	301	295	295	295	295	295	297	336	330	330	330	333	312	312	310	309	309	309	309	273	9493
SETTLERS	174	174	174	175	175	174	173	174	163	165	162	165	165	165	164	165	165	162	162	163	162	162	163	164	164	164	160	163	160	162	161	5144
SEVEN SUCKERS	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	50
SIEBENBERG	11	11	11	11	11	10	10	10	10	10	10	10	11	11	11	11	11	11	11	15	15	15	15	15	15	15	14	14	14	14	14	377
THURMAN MILL	37	37	37	35	35	35	35	35	35	35	32	32	32	32	32	32	32	32	32	32	32	32	32	32	30	30	30	30	30	30	30	1014
UPPER CENTER POINT	23	23	23	23	23	15	15	15	15	15	15	15	17	17	17	17	17	17	17	21	21	21	21	21	21	21	10	10	10	10	10	536
WARM SPRINGS DITCH	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	141
TOTAL CANAL DIVERSIONS	5540	5550	5551	5529	5404	5361	5321	5372	5351	5394	5397	5389	5397	5403	5404	5384	5401	5401	5369	5304	5244	5268	5272	5276	5284	5177	5079	4978	4901	4822	4795	164,266
MISCELLANEOUS																																534
TOTAL DIVERSIONS																																164,800

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1996, INCLUDING STORAGE
SEPTEMBER

CHART NO. 5

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
AIKEN	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		96
ANDREWS	25	25	25	25	25	25	25	25	25	18	18	18	18	18	18	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0		366
BALLENTYNE	16	16	16	16	16	16	16	15	15	15	15	15	15	15	12	12	12	12	12	12	12	10	10	10	10	10	10	10	12	12		395
BAXTER	16	16	17	17	17	17	17	17	17	15	15	15	15	15	15	15	13	13	13	13	13	13	13	8	8	8	8	8	8	8		405
BOISE CITY	20	20	20	20	20	20	20	14	14	14	14	14	14	14	18	18	18	18	18	18	18	19	19	19	19	19	19	19	20	20		557
BOWMAN-SWISHER	12	12	14	14	14	14	14	14	14	5	5	5	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0		157
BUSE (SOUTH BOISE MUTUAL)	8	8	8	8	8	8	8	4	4	4	4	4	4	4	4	4	4	4	4	4	4	1	1	1	1	1	1	1	2	2		173
CALDWELL HIGH LINE	47	47	44	44	44	44	41	44	42	44	46	45	44	45	42	45	42	42	42	42	42	42	42	42	42	42	42	42	42	41		1295
CAMPBELL (CANYON)	39	43	43	43	43	43	43	43	31	31	31	31	31	31	31	36	36	36	36	36	36	36	19	19	19	19	19	19	19	20		862
CANYON COUNTY	57	57	60	58	57	47	47	47	44	46	61	45	46	45	31	27	26	25	25	25	24	21	24	17	17	17	17	17	41	39		1100
CONWAY-HAMMING	5	5	5	5	3	5	5	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		63
DAVIS DITCH	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8		261
EUREKA #2	110	110	110	110	110	110	110	110	110	112	112	112	112	112	112	112	67	67	67	67	67	67	67	67	67	67	67	67	67	67		2712
FARMERS UNION	174	174	163	163	166	166	167	177	175	174	172	150	125	125	126	127	132	133	130	132	133	122	122	122	122	122	122	122	122	122		4282
GRAHAM-GILBERT	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		21
HAAS	21	21	20	20	20	20	20	20	20	16	16	16	16	16	16	16	15	15	15	15	15	15	15	12	12	12	12	12	12	12		483
HART-DAVIS	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		300
ISLAND HIGH LINE	47	47	58	58	58	58	58	58	58	43	43	43	43	43	43	43	49	49	49	49	49	49	49	51	51	51	51	51	51	51		1501
LEMP	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		56
LITTLE PIONEER	31	27	27	27	27	27	27	27	28	28	28	28	28	28	28	15	15	15	15	15	15	15	17	17	17	17	17	17	17	12		652
LOWER CENTER POINT	36	36	38	38	38	38	38	38	38	35	35	35	35	35	35	35	41	41	41	41	41	41	41	5	5	5	5	5	5	5		905
MACE-CATLIN	9	9	9	9	9	9	9	9	8	8	8	8	8	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		119
MACE-MACE	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		21
MAMMON	13	13	13	13	13	13	13	13	13	6	6	6	6	6	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0		159
McCONNEL ISLAND	61	61	57	57	57	57	57	57	57	50	50	50	50	50	50	50	45	45	45	45	45	45	45	18	18	18	18	18	18	18		1312
McMANUS & TEATER	4	4	9	9	9	9	9	9	9	4	4	0	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4		107
MIDDLETON	141	129	129	110	106	96	97	95	96	94	98	90	88	88	88	65	63	63	63	63	65	65	57	57	57	61	66	64	64	49		2467
NEW DRY CREEK	69	66	66	67	67	66	66	60	59	60	57	52	52	47	30	30	30	30	30	30	30	30	30	30	30	30	30	30	27	27		1328
NEW YORK CANAL (B. OF C.)	2285	2185	2175	2175	2215	2210	2215	2215	2200	2205	2215	2215	2105	1939	1939	1839	1843	1843	1782	1713	1718	1662	1690	1690	1690	1685	1685	1690	1681	1681		58,385
PARMA	13	13	17	17	17	17	17	17	17	10	10	10	10	10	10	10	10	10	10	10	10	10	10	13	13	13	13	13	13	13		376
PENITENTIARY	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2		88
PHYLLIS	311	296	283	248	214	214	214	214	230	210	169	167	167	167	167	158	158	158	158	158	158	156	160	160	160	160	160	160	158	168		5661
RIDENBAUGH	476	479	478	467	461	457	458	443	440	440	426	408	402	393	380	365	348	349	346	351	349	350	348	348	348	348	348	348	349	349		11,852
RIVERSIDE	202	192	190	187	196	193	196	196	193	198	233	205	195	227	209	208	206	199	197	191	191	188	193	192	188	192	195	195	206	202		5953
ROEDEL																																
ROSSI MILL	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	7	7		231
SEBREE (FARMERS CO-OP)	273	246	246	246	228	224	224	224	221	222	244	184	86	77	77	77	77	77	77	77	77	77	50	48	61	61	61	61	61	60		4024
SETTLERS	162	162	161	155	150	150	151	151	146	146	142	129	126	111	106	101	97	87	71	73	47	46	31	31	30	31	31	32	31	31		2018
SEVEN SUCKERS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		28
SIEBENBERG	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13	11	11	11	11	11	11	11	11	11	11	11	11	11	11		364
THURMAN MILL	27	27	27	27	27	27	27	25	25	25	25	25	25	25	19	19	19	19	19	19	19	15	15	15	15	15	15	15	16	16		634
UPPER CENTER POINT	10	10	20	20	20	20	20	20	20	8	8	8	8	8	8	8	5	5	5	5	5	5	5	4	4	4	4	4	4	4		279
WARM SPRINGS DITCH	3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		42
TOTAL CANAL DIVERSIONS	4783	4649	4607	4559	4516	4482	4491	4460	4451	4347	4371	4134	3938	3768	3657	3507	3412	3396	3311	3245	3224	3141	3114	3041	3043	3053	3061	3065	3090	3079		112,539
MISCELLANEOUS																																368
TOTAL DIVERSIONS																																113,346

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1980, INCLUDING STORAGE
OCTOBER

CHART NO. 5

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
AIKEN	0	0	0	0	0	3	3	3	3	3	3	3	3	3	3																	21
ANDREWS	0	0	0	0	0	0	0	10	10	10	10	10	10	10	0																	70
BALLENTYNE	12	12	12	12	12	11	11	11	11	11	11	11	11	11	11																	170
BAXTER	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8																	106
BOISE CITY	20	20	20	20	20	18	18	18	18	18	18	18	18	18	18																	280
BOWMAN-SWISHER																																0
BUBB (SOUTH BOISE MUTUAL)	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2																	30
CALDWELL HIGH LINE	40	40	43	40	42	44	41	39	41	41	41	40	40	42	40																	614
CAMPBELL (CANYON)	20	20	20	20	20	20	15	15	15	15	15	15	15	0	0																	225
CANYON COUNTY	38	40	36	38	38	36	38	36	38	46	46	34	35	38	38																	575
CONWAY-HAMMING																																0
DAVIS DITCH	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	8
EUREKA #2	71	71	71	71	71	71	71	85	85	85	85	85	85	85	92																	1184
FARMERS UNION	122	130	124	128	127	137	148	148	148	153	127	127	116	119	114																	1967
GRAHAM-GILBERT																																0
HAAS	12	12	12	12	12	12	12	11	11	11	11	11	11	11	10																	171
HART-DAVIS	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9																	140
ISLAND HIGH LINE	41	41	41	41	41	41	41	38	38	38	38	38	38	38	40																	593
LEMP																																0
LITTLE PIONEER	12	12	12	12	12	12	14	14	14	14	14	14	14	12	12																	194
LOWER CENTER POINT	0	0	0	0	0	0	0	18	18	18	18	18	18	18	16																	142
MACE-CATLIN	0	0	0	0	0	6	6	6	6	6	6	6	0	0	0																	42
MACE-MACE	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1																	10
MANNON	0	0	0	0	0	0	0	3	3	3	3	3	3	3	0																	21
McCONNEL ISLAND	0	0	0	0	0	0	0	23	20	20	20	20	20	20	23																	163
McNANUS & TEATER	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3																	45
MIDDLETON	55	65	56	55	55	56	49	50	50	49	51	49	49	48	48																	785
NEW DRY CREEK	27	30	27	27	27	33	30	30	20	14	36	27	27	27	27																	409
NEW YORK CANAL (B. OF C.)	1681	1676	1681	1681	1681	1681	1681	1681	1681	1690	0	0	0	0	0																	16,814
PARMA	9	9	9	9	9	9	9	8	8	8	8	8	8	8	10																	129
PENITENTIARY	2	2	2	2	2	2	2	2	2	2	0	0	0	0	0																	20
PHYLLIS	167	167	217	196	196	196	194	194	196	194	196	192	192	196	194																	2887
RIDENBAUGH	349	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	349
RIVERSIDE	196	210	188	193	188	187	181	179	182	182	184	179	199	205	205																	2348
ROEDEL																																
ROSSI MILL	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7																	105
SEBREE (FARMERS CO-OP)	86	86	90	90	90	90	91	91	91	92	93	93	93	94	94																	1364
SETTLERS	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0																	31
SEVEN SUCKERS	0	0	0	0	0	2	2	2	2	2	2	2	0	0	0																	14
SIEBENBERG	12	12	12	12	12	12	12	12	12	12	12	12	12	12	0																	168
THURMAN MILL	16	16	16	16	16	19	19	19	19	19	19	0	0	0	0																	194
UPPER CENTER POINT	5	5	5	5	5	5	5	3	3	3	3	3	3	3	5																	61
WARM SPRINGS DITCH																																0
TOTAL CANAL DIVERSIONS	3061	2695	2723	2709	2705	2732	2722	2775	2774	2788	1099	1047	1046	1046	1027																	32,949
MISCELLANEOUS																																92
TOTAL DIVERSIONS																																33,041

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM THE BOISE RIVER
DURING THE IRRIGATION SEASON OF 1980

CHART NO. 6

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTALS
AIKEN	90	96	106	192	248	112	42	886
ANDREWS	410	1046	974	1302	1458	732	140	6062
BALLENTYNE	504	1166	1062	1174	1102	790	340	6138
BAXTER	404	1230	1088	560	1022	806	212	5322
BOISE CITY	698	1864	1858	1970	1574	1074	560	9598
BOWMAN-SWISHER	110	762	374	566	622	314	0	2748
BUBB (SOUTH BOISE MUTUAL)	340	622	600	696	612	246	60	3176
CALDWELL HIGHLINE	1378	3428	3274	3452	2992	2590	1228	18342
CAMPBELL (CANYON DITCH)	326	1214	1420	1806	1910	1924	450	9050
CANYON COUNTY	1558	3728	4004	4564	4398	2200	1150	21602
CONWAY-HAMMING	70	154	36	206	206	126	0	798
DAVIS DITCH	146	408	400	612	586	522	16	2690
EUREKA #2	1050	6962	6048	6776	7928	5424	2368	36556
FARMERS UNION	3368	11736	12510	14432	12392	8564	3934	66936
GRAHAM-GILBERT	36	108	48	186	186	42	0	606
HAAS	244	810	588	1042	976	966	342	4968
HART-DAVIS	220	732	568	808	654	600	280	3862
ISLAND HIGHLINE	696	4772	3980	2878	3320	3002	1186	19834
LEMP	0	158	136	316	290	112	0	1012
LITTLE PIONEER	672	2826	2276	2164	2142	1304	388	11772
LOWER CENTER POINT	874	2076	1648	1972	1868	1810	284	10532
MACE-CATLIN	208	298	292	438	572	238	84	2130
MACE-MACE	0	0	0	28	112	42	20	202
MAMMON	182	280	380	626	734	318	42	2562
McCONNEL ISLAND	1298	3516	3312	3520	3492	2624	326	18088
McMANUS & TEATER	88	300	48	260	138	214	90	1138
MIDDLETON	4026	9478	10198	11076	9970	4934	1570	51252
MISCELLANEOUS	214	586	594	956	1068	736	184	4338
NEW DRY CREEK	1274	3720	3936	4516	4060	2656	818	20980
NEW YORK CANAL (B. OF C.)	78520	141396	130816	169218	159264	116770	33628	829612
PARMA	550	1312	834	1020	1174	752	258	5900
PENTITENTIARY	0	112	338	676	698	176	40	2040
PHYLISS	10346	25760	25496	28834	25076	11322	5774	132608
RIDENBAUGH	8640	29806	29444	31090	30590	23704	698	153972
RIVERSIDE	10602	15142	14612	14048	12344	11906	5696	84350

CHART NO. 6

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM THE BOISE RIVER
DURING THE IRRIGATION SEASON OF 1980

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTALS
ROSSI MILL	224	416	538	496	468	462	210	2814
SEBREE (FARMERS CO-OP)	6246	13590	16402	19018	18830	8048	2728	84862
SETTLERS	1254	8460	7834	10874	10288	5836	62	44608
SEVEN SUCKERS	56	86	42	80	100	56	28	448
SIEBENBERG	120	426	658	588	754	728	336	3610
THURMAN MILL	806	1900	1834	2074	2028	1268	388	10298
UPPER CENTER POINT	196	1134	914	1214	1072	558	122	5210
WARM SPRINGS DITCH	252	626	516	298	282	84	0	2058
TOTALS	138,296	304,242	292,036	348,622	329,600	226,692	66,082	1,705,570

THIS CHART SHOWS ONLY THE CANALS WHICH HAVE HEADINGS FROM THE BOISE RIVER.

SOME CANALS GET THEIR WATER THROUGH ANOTHER CANAL.

CHARTS #7 AND #8 SHOW ACTUAL AMOUNT DIVERTED BY EACH DECREED CANAL OR USER.

MISCELLANEOUS IS A GROUP OF INDIVIDUAL USERS.

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET

CHART NO. 3

BEGINNING 1967

NAME OF CANAL	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
ROSSI MILL (SOUTH BOISE CANAL)	3232	3082	3478	3212	3428	3340	3244	3326	3188	2844	2598	3122	3908	2814
SEBREE (FARMERS CO-OP)	105780	101228	94108	91792	95350	96446	98650	98916	88482	88328	64128	86108	89102	84862
SETTLERS	52424	51430	51930	55450	56516	53818	51838	55072	47994	48144	43550	46356	49387	44608
SEVEN SUCKERS		1390	788	664	762	602	470	420	572	548	458	318	428	448
SIEBENBERG	4290	3736	4378	4756	3310	3958	3724	4478	3450	3724	3512	2604	2774	3610
THURMAN MILL	10512	10198	11564	9102	9642	10608	10330	8520	8844	8958	9706	8462	10440	10298
UPPER CENTER POINT	5270	5518	5186	5527	5094	6136	6944	6890	6772	6474	6986	7652	6392	5210
WARM SPRINGS DITCH		2558	2116	1528	1936	1658	1910	1650	2432	1734	2114	1704	2034	2058
TOTAL SUMMER DIVERSIONS	1785410	1755692	1870648	1810584	1882374	1832428	1790102	1900080	1756648	1772194	1292966	1664534	1784048	1705510
STORAGE WATER USED		581723	555489	471312	418822	422038	461186	475174	418205	500326	594749	400908	619728	495314
SUMMER RETURN FLOW USED	428828	253699	385530	425236	485686	483054	236678	451392	446230	473054	325246	437078	373632	464330
NATURAL FLOW USED IRRIGATION SEASON		920210	989629	916136	977866	927536	1092238	973514	892213	796068	386404	826548	710688	745926
FLOOD CONTROL & OTHER LOSS TO IRRIGATION SEASON	0	0	239554	324006	909339	825660	0	1598234	459022	485244	0	432945	0	914820
LOSS TO THE BOISE RIVER @PARMA		237060	783482	573559	1336242	1075714	(DELETE)							
OUTFLOW LUCKY PEAK RESERVOIR (APRIL 1 TO OCT. 31)				1823244	2541080	2266804	1400638	3046922	2215670	1784384	964690	1660401	1390416	1726590
FISH & GAME	37050	18992	10290	16126	12056	19554	19195	34046	42870	19340	27064	23100	38116	43100
NEW YORK CANAL DIVERSIONS OTHER THAN IRRIGATION SEASON	93370	27416	0	4272	0	62902	100148	136988	38334	36242	0	128800	4176	70216
FLOOD CONTROL AND OTHER LOSS TO THE SYSTEM TOTAL YEAR	0	0	709378	920626	1969314	1810036	0	1598234	593024	754804	0	498556	0	914820
TOTAL DIVERSIONS JANUARY 1 TO DECEMBER 31	1785410	1802040	1880938	1831082	1894430	1914884	1909445	2071114	1837852	1827776	1320030	1816434	1746340	1818886
TOTAL NATURAL FLOW JANUARY 1 TO DECEMBER 31	1487002	1364416	2519304	2295068	3361958	3080356	1378052	3147560	2498310	2028830	694759	2225652	1170710	2099524
TOTAL LOSS TO THE BOISE RIVER @PARMA		454708	1527244	1218344	2528166	2110052	(DELETE)							
TOTAL OUTFLOW LUCKY PEAK	1647352	1466906	2384296	2102998	3366002	3159410	1551496	3046922	2430876	2109526	997852	1877912	1369508	1834414

YEARS 1950 THRU 1966 IN PREVIOUS REPORTS

THE GEOLOGICAL SURVEY IS KEEPING RECORDS ON THE RIVER AT PARMA AND THEY MAY BE OBTAINED FROM THEM.

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET

CHART NO. 7

BEGINNING 1967

NAME OF CANAL	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
AIKEN		1212	1122	1336	914	1112	1320	1212	626	1256	1034	966	1294	886
ANDREWS		8042	7708	9240	7670	7878	5702	8238	7442	5022	7658	5176	6598	6062
BALLENTYNE	5148	4518	6284	6040	6418	6108	6364	6468	5964	6108	5418	5754	6070	6138
BAXTER		4460	3810	4100	4966	4464	5042	4180	4364	4706	4182	3470	4842	5322
BOISE CITY	9812	10430	11110	10552	12238	12438	11614	12358	12038	11418	8840	9554	8866	9598
BOISE VALLEY	19988	19124	20358	17462	17546	19494	19840	20544	12878	13273	16592	18172	18352	15712
BOONE			106	0	0	0	0	0	0	0	0	0	0	0
BOWMAN-SWISHER		3474	3038	2044	3664	2936	3506	3028	2340	2560	4038	3182	2714	2748
BUBB (SOUTH BOISE MUTUAL)	3390	4452	4098	3738	4128	3698	3326	3986	3342	3996	3124	4220	4348	3176
CALDWELL HIGH LINE	21440	17508	19044	16440	15438	16356	16534	15592	17088	16270	18330	17704	17538	18342
CAMPBELL (CANYON)	9344	9536	11258	11054	12100	12838	10354	17218	9874	9248	5706	6226	9036	9050
CANYON COUNTY WATER CO	24268	22428	24682	27386	26078	26794	26026	23998	22876	22866	19552	20054	21240	21602
CAPITAL VIEW IRRIG. DIST.	2078	2142	2790	2440	2222	2524	2430	2524	2208	2448	2778	2222	1648	2614
CONWAY-HANNING		1238	1304	852	674	782	1074	732	714	846	874	670	1072	798
DAVIS DITCH	3834	4600	4124	4038	3762	3570	3584	3710	2722	2748	2660	2794	3152	2690
EUREKA WATER CO. #1	7574	8436	10568	10672	10836	9398	10890	10412	9670	6738	7666	8030	7096	9540
EUREKA #2	38866	36868	31052	38952	38338	39470	37924	36616	32044	31344	27596	33180	34712	36556
FARMERS UNION	51008	49316	52656	53180	56308	54184	54050	56640	59926	61029	45492	48520	46862	48610
GRAHAM-GILBERT		648	676	534	294	386	1022	522	606	566	818	464	900	606
HAAS		4294	3330	4038	4084	4156	4962	4880	4586	4674	4944	3914	4412	4968
HART-DAVIS		5776	4382	3702	2782	2622	3320	2618	2746	2736	2458	2226	3642	3862
ISLAND HIGH LINE		15914	15988	15830	12572	13418	14308	13538	13696	15158	15014	12614	15102	19834
LBMP		2988	1504	2174	848	1168	1880	1118	954	926	1064	1134	1416	1012
LITTLE PIONEER	11282	9114	14032	16536	12964	13410	12994	14238	9930	10226	8506	9800	9652	11772
LOWER CENTER POINT	12702	11892	8676	9668	9370	10638	10628	13172	11428	10338	12510	9600	11708	10532
MACE-CATLIN		2428	2408	2802	2584	2788	3670	2552	2242	2042	2786	2470	2806	2130
MACE-MACE		1114	814	758	572	324	716	390	434	282	246	424	374	282
MAHON		1162	1384	1704	2020	1802	1672	1624	1670	2152	2138	1974	2460	2562
MCCONNEL ISLAND		10832	12894	15502	13188	12934	9700	17442	12582	14472	12302	12356	12602	18088
MCNAMUS AND TEATER		1340	1564	1156	1112	1424	1564	1774	1244	1976	2224	1356	1290	1138
MEEVES #1		612	690	846	570	740	664	766	626	700	0* (INCL. IN MISC.)		0	0
MEEVES #2					238	252	48	158	146	604	0* (INCL. IN ROSSI MILL)		0	0
MIDDLETON WATER CO.	27928	29133	31028	32880	30984	31547	29999	30628	30001	28636	26130	22344	26554	29726
MIDDLETON MILL DITCH	20224	21097	22468	23810	22436	22845	21723	22178	21725	20736	18922	16180	19222	21526
MISCELLANEOUS	5962	6102	9960	2378	2650	2222	2706	2684	3378	3386	4534	4974	4934	4338
NEW DRY CREEK	19088	19964	21764	19110	19690	17346	17840	19492	16312	17838	17060	15324	16216	16808
NEW UNION	3158	5118	4024	4002	4474	4262	4720	4690	4214	4130	3836	4492	3932	4172
NEW YORK CANAL (B. OF C.)	908896	857014	930788	885602	947652	868444	851016	939782	878784	877866	533910	827472	834292	829612
PARMA		7462	6984	8678	8402	8426	7652	6388	5684	7660	7136	5890	6530	5900
PENITENTIARY	1954	2114	2008	2342	2790	2404	3256	3006	2882	2886	1830	1898	3054	2040
PHYLLIS	125038	105940	132490	128090	128064	132206	120328	124672	119654	134324	57782	119042	118184	123068
PIONEER DIXIE	24206	24766	23618	23700	22800	23856	30362	29380	26946	28390	26888	25040	28690	28114
RIDENBAUGH	174206	169182	177908	175524	176718	181950	175826	175218	163532	160080	121870	168042	159510	153972
RIVERSIDE	57026	54290	51356	43538	57780	69600	60728	59162	52696	56780	53779	50084	57386	56236
RUBBLE		1780	610	608	800	312	88	0	0	0	0	0	0	0

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

CHART NO. 8

FOR EACH IRRIGATION SEASON FROM 1965
(ACREAGE TAKEN FROM CHART NO. 9)

NAME OF CANAL	ACRES IRRIGATED	1965	ACRES IRRIGATED	1966	1967	ACRES IRRIGATED	1968	ACRES IRRIGATED	1969	ACRES IRRIGATED	1970	ACRES IRRIGATED	1971	1972	1973	1974	1975
AIKEN						236	5.14	236	4.75	236	5.66	236	3.87	4.71	5.59	5.13	2.65
ANDREWS						1068	7.53	1068	7.22	1068	8.65	1068	7.18	7.38	5.34	7.71	6.97
BALLENTYNE	763	9.04	763	6.99	6.75	763	5.92	763	8.24	763	7.92	763	8.41	8.01	8.34	8.47	7.82
BAXTER						200	2.23	200	16.05	200	20.50	200	24.83	22.30	25.21	20.90	21.82
BOISE CITY	1828	5.40	1828	5.67	5.37	1828	5.71	1828	6.08	1828	5.77	1828	6.69	6.80	6.35	6.76	6.59
BOISE VALLEY	2729	5.78	2729	8.12	7.32	2729	7.01	2729	7.46	2729	6.40	2729	6.43	7.14	7.27	7.52	4.72
BOONE								517	.21	517	0	517	0	0	0	0	0
BOWMAN-SWISHER						424	8.19	424	7.17	424	4.82	424	8.64	6.97	8.27	7.14	6.70
BUBB (SOUTH BOISE MUTUAL)	1057	4.23	1057	4.63	5.10	1057	4.21	1057	3.88	1057	3.54	1057	3.91	3.50	3.15	3.77	3.16
*CALDWELL HIGH LINE	3960	5.27	3960	4.25	5.41	3960	4.37	3960	4.81	3960	4.15	3960	3.90	4.15	4.18	3.93	4.32
CAMPBELL (CANYON)	802	15.54	802	13.78	11.65	802	11.89	802	14.04	802	13.78	802	15.09	16.01	12.91	21.46	12.31
CANYON COUNTY	4007	6.30	4007	6.36	6.06	4007	5.60	4007	6.16	4007	6.83	4007	6.51	6.69	6.50	5.98	5.71
CAPITAL VIEW						600	3.57	600	4.55	600	4.07	600	3.70	4.21	4.08	4.20	3.68
CONWAY-HAMMING						259	4.78	259	5.03	259	3.21	259	2.60	3.02	4.15	2.82	2.76
DAVIS DITCH	634	7.10	634	6.99	6.05	634	7.38	634	6.50	634	6.37	634	5.93	6.27	5.65	5.85	4.29
EAGLE ISLANDS CANALS	2637	5.85	2134	6.26	6.93	(LISTED INDIVIDUALLY)											
EUREKA WATER CO. #1	1800	5.24	1800	6.00	4.21	1800	4.70	1800	5.87	1800	5.93	1800	5.69	5.22	6.05	5.78	5.37
EUREKA #2	2625	14.67	2625	16.48	12.52	2625	13.82	2625	11.83	2625	12.55	2625	12.78	15.04	14.45	13.94	12.20
FARMERS UNION	8300	6.98	8900	6.04	5.96	8300	5.94	8300	6.34	8300	6.41	8300	6.78	6.52	6.51	6.82	7.22
GRAHAM-GILBERT						200	3.24	200	3.38	200	2.67	200	1.47	1.93	5.11	2.61	3.03
HAAS						750	5.73	867	3.84	867	4.68	867	4.71	4.79	5.72	4.93	5.29
HART-DAVIS						453	12.73	453	9.67	453	8.17	453	6.14	5.79	7.33	5.77	6.06
ISLAND HIGH LINE						945	14.72	945	16.92	945	16.77	945	13.73	14.20	15.14	16.44	14.49
LEMP						300	9.93	300	5.01	300	7.23	300	2.80	3.89	6.27	3.72	3.18
LITTLE PIONEER	1286	10.33	1286	8.81	8.77	1286	7.09	1286	10.91	1286	12.86	1286	10.08	10.43	10.10	11.07	7.72
LOWER CENTER POINT	880	11.47	880	16.15	14.43	880	12.83	880	9.86	880	10.99	880	10.65	12.09	12.08	14.96	12.99
MACE-CATLIN						536	4.53	536	4.49	536	5.23	536	4.82	5.20	6.85	4.76	4.18
MACE-MACE						80	13.93	80	10.18	80	9.48	80	4.65	4.05	8.95	4.87	5.43
MAMMON						168	6.92	468	2.96	468	3.64	468	4.32	3.85	3.57	3.47	3.57
McDONNEL ISLAND						1600	6.77	1600	8.06	1600	9.56	1600	8.24	8.08	6.06	10.90	7.86
McMANUS & TEATER						168	7.98	168	9.31	168	6.88	168	6.62	8.48	9.31	10.35	7.40
MEEVES #1						90	6.80	90	7.67	90	9.40	73	7.81	10.14	9.10	10.49	8.58
MEEVES #2												26	9.62	9.69	1.85	6.07	3.62
MIDDLETON IRRIG. ASSOC.	5182	5.89	5180	6.81	5.39	5180	5.62	5180	3.99	5180	6.35	5180	5.98	6.09	5.79	5.91	5.79
MIDDLETON MILL	4400	5.02	4400	5.12	4.60	4400	4.80	4400	5.11	4400	5.41	4400	5.10	5.19	4.94	5.04	4.94
MISCELLANEOUS	311	7.25	1428	6.74	3.53	957	6.38	2610	3.82	763	3.12	763	3.47	29.10	3.55	3.43	4.43
NEW DRY CREEK	3059	7.21	3059	6.61	6.24	3059	6.33	3059	7.11	3059	6.23	3059	6.44	5.67	5.83	6.37	5.40
NEW UNION	688	6.96	688	7.30	7.50	688	7.44	688	5.83	688	5.82	688	6.50	6.19	6.86	6.81	6.13
NEW YORK CANAL (B. OF C.)	164734	5.23	164729	3.33	5.31	164617	5.21	164617	5.65	164617	5.38	164617	5.76	5.28	5.17	5.70	5.34
PARMA						602	12.40	602	11.60	602	14.42	602	13.96	14.00	12.71	10.61	9.44

CHART NO. 8

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

FOR EACH IRRIGATION SEASON FROM 1965
(ACREAGE TAKEN FROM CHART NO. 9)

NAME OF CANAL	ACRES IRRIGATED	1965	ACRES IRRIGATED	1966	1967	ACRES IRRIGATED	1968	ACRES IRRIGATED	1969	ACRES IRRIGATED	1970	ACRES IRRIGATED	1971	1972	1973	1974	1975
PENITENTIARY	321	7.79	433	6.02	4.51	321	6.59	321	6.26	321	7.30	321	8.69	7.49	10.14	9.36	8.58
PHYLLIS	24362	5.53	24362	5.83	5.13	24362	4.35	24362	5.44	24362	5.26	24362	5.26	5.43	4.94	5.11	4.91
PIONEER DIXIE	2030	10.42	2030	11.52	11.92	2030	12.20	3000	7.87	3000	7.90	3000	7.60	7.95	10.12	9.79	8.78
RIDENBAUGH	26747	6.65	26877	6.34	6.48	26877	6.30	26877	6.59	26877	6.53	26877	6.58	6.77	6.54	6.51	6.08
RIVERSIDE	10645	4.83	10645	5.18	5.36	10645	5.10	10645	4.82	10645	4.09	10643	5.43	6.54	5.70	5.55	4.95
ROEDEL						160	11.13	160	3.81	160	3.80	160	5.00	1.95	.55	0	0
ROSSI MILL	500	6.94	500	6.48	6.46	500	6.16	500	6.96	500	6.42	500	6.86	6.68	6.49	6.65	6.38
SEBREE (FARMERS CO-OP)	15500	6.23	15500	7.93	6.82	15500	6.53	15500	6.07	15500	5.98	15500	6.15	6.22	6.36	6.38	5.71
SETTLERS	12282	4.14	12282	4.67	4.27	12282	4.19	12282	4.23	12282	4.51	12282	4.59	4.38	4.22	4.48	3.91
SEVEN SUCKERS						70	19.00	70	11.26	70	9.49	70	10.89	8.60	6.71	6.00	8.17
SIEBENBERG	646	6.07	646	8.53	6.63	646	5.78	646	6.78	646	7.36	646	5.12	6.10	5.76	6.93	5.34
THURMAN MILL	1799	5.78	1799	5.67	5.84	1799	5.67	1799	6.43	1799	5.06	1799	5.36	5.90	5.74	4.73	4.92
UPPER CENTER POINT	641	9.05	641	10.63	8.22	641	8.61	641	8.09	641	8.30	641	7.95	9.57	10.83	10.65	10.56
WARM SPRINGS DITCH						494	5.18	494	4.28	494	3.09	494	3.92	3.36	3.87	3.34	4.92
TOTALS	307955	5.69	308604	5.88	5.79	314570	5.58	318135	5.88	316208	5.72	316297	5.95	5.79	5.66	6.00	5.55

* FRANKLIN DITCH COMPANY AND MASON CREEK DITCH COMPANY LANDS ONLY. THE BALANCE OF THE LAND UNDER THE CALDWELL HIGH LINE IS IRRIGATED WITH WATER DIVERTED FROM MASON DRAIN AND FIVE MILE CREEK.
1947 THRU 1964 CAN BE FOUND IN PREVIOUS ANNUAL REPORTS.
THE USE OF WATER PER ACRE IS A GROSS FIGURE, FOR A NET FIGURE TO THE LAND ALLOW ABOUT 35% LOSS.

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

CHART NO. 8

FOR EACH IRRIGATION SEASON FROM 1965
(ACREAGE TAKEN FROM CHART NO.9)

NAME OF CANAL	ACRES IRRIGATED	1976	ACRES IRRIGATED	1977	ACRES IRRIGATED	1978	1979	1980
AIKEN	236	5.32	236	4.38	236	4.09	5.48	3.75
ANDREWS	1068	4.70	1068	7.17	1068	4.85	6.18	5.68
BALLENTYNE	763	8.01	763	7.10	763	4.39	7.96	8.04
BAXTER	200	23.53	200	20.91	200	17.35	24.21	26.61
BOISE CITY	1828	6.25	1828	4.84	1828	5.23	4.85	5.25
BOISE VALLEY	2729	4.86	2729	6.01	2729	6.66	6.72	5.76
BOONE	517	.00	517	0	517	0	0	6.48
BOWMAN-SWISHER	424	6.04	424	9.52	424	7.50	6.40	3.00
BUBB (SOUTH BOISE MUTUAL)	1057	3.78	1057	2.96	1057	3.99	4.11	4.63
*CALDWELL HIGH LINE	3960	4.11	3960	4.63	3960	4.47	4.43	11.28
CAMPBELL (CANYON)	802	11.53	802	7.11	802	7.76	11.27	5.46
CANYON COUNTY	3957	5.78	3957	4.94	3957	5.07	5.37	4.36
CAPITAL VIEW	600	4.08	600	4.63	600	3.70	2.75	3.08
CONWAY-HAMMING	259	3.27	259	3.37	259	2.59	4.14	4.24
DAVIS DITCH	634	4.33	634	4.20	634	4.41	4.97	
EAGLE ISLAND CANALS	(LISTED INDIVIDUALLY)							
EUREKA #1	1800	3.74	1800	4.26	1800	4.46	3.94	5.30
EUREKA #2	2625	11.94	2625	10.31	2625	12.64	13.22	13.93
FARMERS UNION	8372	7.29	8372	5.43	8372	5.80	5.60	5.81
GRAHAM-GILBERT	200	2.83	200	4.09	200	2.32	4.50	3.03
HAAS	867	5.39	867	5.70	867	4.51	5.09	5.73
HART-DAVIS	453	6.04	453	5.43	453	4.91	8.04	8.53
ISLAND HIGH LINE	945	16.04	945	15.89	945	13.35	15.98	20.99
LEMP	300	3.09	300	3.55	300	3.78	4.72	3.37
LITTLE PIONEER	1336	7.65	1336	6.37	1336	7.34	7.22	8.81
LOWER CENTER POINT	880	11.75	880	14.22	880	10.91	13.30	11.97
MACE-BATLIN	536	3.81	536	5.20	536	4.61	5.24	3.97
MACE-MACE	80	3.53	80	3.08	80	5.30	4.68	2.53
MAMMON	468	4.60	468	4.57	468	4.22	5.26	5.47
McCONNEL ISLAND	1600	9.05	1600	7.74	1600	7.72	7.88	11.31
McMANUS & TEATER	168	11.76	168	13.24	168	8.07	7.68	6.77
MEEVES #1	73	9.59	0 (INCL. IN MISC.)		0(INCL. IN MISC.)			
MEEVES #2	26	23.23	0 (INCL. IN ROSSI MILL)		0(INCL. IN ROSSI MILL)			
MIDDLETON IRRIGATION ASSOC.	5180	5.53	5180	5.04	5180	4.31	5.13	5.74
MIDDLETON MILL	4400	4.71	4400	4.30	4400	3.68	4.37	4.89
MISCELLANEOUS	801	4.23	888	5.11	888	5.60	5.56	4.89
NEW DRY CREEK	3059	5.83	3059	5.58	3059	5.01	5.30	5.49
NEW UNION	688	6.00	688	5.58	688	6.53	5.72	6.06
NEW YORK CANAL (B. OF C.)	164,920	5.32	164920	3.24	164920	5.02	5.06	5.03
PARMA	602	12.72	602	11.85	602	8.46	10.85	9.80

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

CHART NO. 8

FOR EACH IRRIGATION SEASON FROM 1965
(ACREAGE TAKEN FROM CHART NO. 9)

NAME OF CANAL	ACRES IRRIGATED	1976	ACRES IRRIGATED	1977	ACRES IRRIGATED	1978	1979	1980
PENITENTIARY	321	8.99	321	3.70	321	5.91	9.51	6.36
PHYLLIS (PIONEER IRR. DIST)	23,974	5.60	23974	4.08	23974	4.97	4.93	5.13
PIONEER DIXIE	3000	9.46	3000	8.96	3000	8.35	9.56	9.37
RIDENBAUGH	26,877	5.96	26,877	4.53	26877	6.25	5.93	5.73
RIVERSIDE	10,645	5.33	10,645	5.05	10645	4.70	5.39	5.28
ROEDEL	160	.00	160	0	160	0	0	
ROSSI MILL	500	5.69	512	4.68	512	6.10	6.27	5.93
SEBREE (FARMERS CO-OP)	15,500	5.70	15,500	4.14	15500	5.56	5.75	5.47
SETTLERS	12,322	3.91	12,322	3.53	12322	3.76	4.01	3.62
SEVEN SUCKERS	70	7.83	70	6.54	70	4.54	6.11	6.40
SIEBENBERG	646	5.76	646	5.44	646	4.03	4.29	5.59
THURMAN MILL	1719	5.21	1719	5.65	1719	4.92	6.07	5.99
UPPER CENTER POINT	641	10.10	641	10.90	641	11.94	9.97	8.13
WARM SPRINGS DITCH	494	3.51	494	4.28	494	3.45	4.12	4.17
TOTALS	316,282	5.60	316,282	4.09	316,282	5.26	5.39	5.39

*FRANKLIN DITCH COMPANY AND MASON CREEK DITCH COMPANY LANDS ONLY. THE BALANCE OF THE LAND UNDER THE CALDWELL HIGH LINE IS IRRIGATED WITH WATER DIVERTED FROM SEVERAL DRAINS.

1947 THRU 1964 CAN BE FOUND IN PREVIOUS ANNUAL REPORTS.

THE USE OF WATER PER ACRE IS A GROSS FIGURE, FOR A NET FIGURE TO THE LAND ALLOW ABOUT 35% LOSS.

BOISE VALLEY CANALS AND ACREAGE

CHART NO. 9

AIKEN	236 ACRES
ANDREWS	1068 "
BALLENTYNE	763 "
BAXTER	200 "
BOISE CITY	1826 "
BOISE PROJECT BOARD OF CONTROL	
BIG BEND IRRIG. DIST.	1724 "
BOISE-KUNA IRRIG. DIST.	48,629 "
NAMPA & MERIDIAN IRRIG. DIST.	40,304 "
NEW YORK IRRIG. DIST.	17,728 "
WILDER IRRIG. DIST.	56,535 "
TOTAL - BOARD OF CONTROL	164,920 "
BOISE VALLEY	2729 "
BOONE	517 "
BOWMAN-SWISHER	424 "
BUBB (SOUTH BOISE MUTUAL)	1057 "
*CALDWELL HIGH LINE	11,917 "
CAMPBELL (CANYON DITCH)	802 "
CANYON COUNTY	3957 "
CAPITAL VIEW	600 "
CONWAY-HAMMING	259 "
DAVIS & LITTLE DAVIS	634 "
EUREKA WATER CO. #1	1800 "
EUREKA DITCH CO. #2	2625 "
FARMERS UNION	8372 "
GRAHAM-GILBERT	200 "
HAAS	867 "
HART-DAVIS	453 "
ISLAND HIGH LINE	945 ACRES
LEMP DITCH	300 "
LITTLE PIONEER	1336 "
LOWER CENTER POINT	880 "
MACE & CATLIN	536 "
MACE & MACE	80 "
MAMMON	468 "
McCONNEL ISLAND	1600 "
McMANUS & TEATER	168 "
MIDDLETON MILL	4400 "
MIDDLETON WATER	5180 "
MISCELLANEOUS	888 "
NEW DRY CREEK	3059 "
NEW UNION	688 "
PARMA DITCH	602 "
PENITENTIARY	321 "
PIONEER IRRIG. DIST.	23,974 "
PIONEER DIXIE	3000 "
RIDENBAUGH	26,877 "
RIVERSIDE IRRIG. DIST.	10,645 "
ROEDEL	160 "
ROSSI MILL	512 "
SEBREE	15,500 "
SEVEN SUCKERS	70 "
SEITTLERS	12,322 "
SIEBENBERG	646 "
THURMAN MILL	1719 "
UPPER CENTER POINT	641 "
WARM SPRINGS DITCH	494 "
TOTAL	324,239 ACRES

DRAINAGE WATER (NOT DIVERTED FROM BOISE RIVER)

BLACK CANYON IRRIGATION DISTRICT	6,894 ACRES
CALDWELL IRRIGATION DISTRICT	755 "
MORELAND & VIAL (DIXIE DRAIN)	640 "
	8,289 ACRES

GRAND TOTAL ..... 332,528 ACRES

THIS ACREAGE IS BASED, IN SOME INSTANCES, UPON ACTUAL SURVEYS, AND IN OTHER CASES UPON THE ACREAGE AS DETERMINED AT THE TIME OF THE STEWART DECREE, AND IS THE BEST INFORMATION AVAILABLE AT THE PRESENT TIME. IT WAS ORIGINALLY COMPUTED FEBRUARY 14, 1941, BUT HAS BEEN REVISED SEVERAL TIMES, PARTICULARLY TO REDUCE RIVER BOTTOM ACREAGES TO CONFORM TO STEWART DECREE ACREAGES AS DETERMINED BY SPECIAL COMMITTEE, AND TO ACCOMODATE TRANSFERS FROM ONE CANAL OR USER TO ANOTHER.

RIDENBAUGH REPRESENTS OLD LANDS WITHIN THE NAMPA & MERIDIAN IRRIGATION DISTRICT THAT ARE WATERED BY THE OLD RIDENBAUGH RIGHTS IN THE STEWART DECREE. THE BALANCE OF THE NAMPA & MERIDIAN IRRIGATION DISTRICT LANDS ARE INCLUDED UNDER THE BOARD OF CONTROL.

*3960 ACRES ARE WATERED WITH LIVE WATER. THE BALANCE OF THE WATER COMES FROM SEVERAL DRAINS.

BOISE VALLEY CANALS AND ACREAGE

CHART NO. 9

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*3960 ACRES ARE WATERED WITH LIVE WATER. THE BALANCE OF THE WATER COMES FROM SEVERAL DRAINS.

CHART NO. 10

BOISE RIVER STORAGE ACCOUNTS - 1980 - IN ACRE FEET

CANAL COMPANY	ARROWROCK STORAGE	ANDERSON STORAGE	LUCKY PEAK STORAGE	TOTAL AVAILABLE	JULY USE	BALANCE 1 AUG.	AUGUST USE	BALANCE 1 SEPT.	SEPTEMBER USE	BALANCE 1 OCT.	OCTOBER USE	BALANCE END OF SEASON	TOTAL 1980 STORAGE USED	ANDERSON CARRYOVER	LUCKY PEAK CONTRACTED CARRYOVER	ARROWROCK UNUSED NO CARRYOVER
BALLENTYNE		376	1300	1676	48	1628	308	1320	62	1258		1258	418		1258	
BOISE CITY			1000	1000	0	1000	94	906	0	906		906	94		906	
BOISE VALLEY		961	2500	3461	0	3461	216	3245	8	3237		3237	224	737	2500	
RUBB (SOUTH BOISE MUTUAL)		543	500	1043	0	1043	30	1013	18	995		995	48	495	500	
CANYON COUNTY			6000	6000	174	5826	1362	4464	134	4330		4330	1670		4330	
CAPITAL VIEW		460	300	760	0	760	62	698	22	676		676	84	376	300	
DAVIS			1500	1500	0	1500	40	1460	2	1458		1458	42		1458	
EAGLE ISLAND CANALS			7650	7650	96	7554	548	7006	122	6884		6884	766		6884	
EUREKA #1			2800	2800	0	2800	230	2570	0	2570		2570	230		2570	
FARMERS UNION	2874	5727	10,000	18,601	456	18,145	4758	13,387	900	12,487		12,487	6114	2487	10,000	
LITTLE PIONEER		2174	500	2674	170	2504	812	1692	138	1554		1554	1120	1054	500	
MIDDLETON IRRIGATION			6380	6380	208	6172	1747	4425	175	4250		4250	2130		4250	
MIDDLETON MILL			4620	4620	150	4470	1265	3205	127	3078		3078	1542		3078	
NEW DRY CREEK		1296	3000	4296	136	4160	586	3574	220	3354		3354	942	354	3000	
NEW UNION			1400	1400	0	1400	98	1302	0	1302		1302	98		1302	
NEW YORK*	254,471	359,662		614,133	103,374	510,759	155,082	355,677	103,592	252,085	27,442	224,643	389,490	224,643		
PHYLISS	21,018	25,582	16,000	62,600	3970	58,630	14,648	43,982	2338	41,644		41,644	20,956	25,582	16,000	62
RIDENBAUGH	3832	15,137	35,000	53,969	932	53,037	10,784	42,253	3610	48,643		38,643	15,326	3643	35,000	
ROSSI MILL			700	700	0	700	16	684	4	680		680	20		680	
SEBREE	1227			1227	0	1227	0	1227	0	1227		1227	0			1227
SETTLERS**	2878	6082	10,000	18,960	328	18,632	4422	14,210	1084	13,126		13,126	5834	3126	10,000	
THURMAN MILL			800	800	0	800	130	670	0	670		670	130		670	
KROGER	100			100	0	100	48	52	20	32		32	68			32
LUCKY PEAK NURSERY	200			200	0	200	48	152	20	132		132	68			132
IDAHO FISH & GAME			50,000	50,000	0	50,000	0	50,000	0	50,000	4800	45,200	4800		45,200	
ANDERSON DAM POWER		5200		5200	0	5200	0	5200	0	5200		5200	0	5200		
LUCKY PEAK UNCONTRACTED			102,421	102,421	0	102,421	0	102,421	0	102,421		102,421	0		102,421	
TOTALS	286,600	423,200	264,371	974,171	110,042	864,129	197,334	666,795	112,596	554,199	27,442	521,957	452,214	267,697	252,807	1453

*LESS 1100 ACRE FEET OF ARROWROCK STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS. INCREASED BY 22,700 ACRE FEET OF HILLCREST STORAGE.
LESS 272 ACRE FEET OF ANDERSON STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS.
**INCREASE SETTLERS STORAGE 1100 ACRE FEET OF ARROWROCK STORAGE, 272 ACRE FEET OF ANDERSON STORAGE TO IRRIGATE GOVERNMENT LANDS.

STATE OF IDAHO FISH & GAME STORAGE TO BE USED DURING WINTER MONTHS.
LUCKY PEAK UNCONTRACTED STORAGE TO BE RELEASED BY ORDER OF WATER AND POWER RESOURCE SERVICES.

CHART NO. 10

BOISE RIVER STORAGE ACCOUNTS - 1980 - IN ACRE FEET

CANAL COMPANY	ARROWROCK STORAGE	ANDERSON STORAGE	LUCKY PEAK STORAGE	TOTAL AVAILABLE	JULY USE	BALANCE 1 AUG.	AUGUST USE	BALANCE 1 SEPT.	SEPTEMBER USE	BALANCE 1 OCT.	OCTOBER USE	BALANCE END OF SEASON	TOTAL 1980 STORAGE USED	ANDERSON CARRYOVER	LUCKY PEAK CONTRACTED CARRYOVER	ARROWROCK UNUSED NO CARRYOVER
BALLENTYNE		376	1300	1676	48	1628	398	1230	62	1258		1258	418		1258	
BOISE CITY			1000	1000	0	1000	94	906	0	906		906	54		906	
BOISE VALLEY		961	2500	3461	0	3461	316	3145	8	3137		3137	224	737	2300	
HUBB (SOUTH BOISE MUTUAL)		543	500	1043	0	1043	30	1013	18	995		995	48	495	500	
CANYON COUNTY			6000	6000	174	5826	1362	4464	134	4330		4330	1670		4330	
CAPITAL VIEW		466	300	766	0	766	68	698	39	676		676	84	376	300	
DAVIS			1500	1500	0	1500	40	1460	2	1458		1458	42		1458	
EAGLE ISLAND CANALS			3650	3650	96	3554	548	3006	122	6664		6664	366		6664	
EUREKA #1			2800	2800	0	2800	930	2570	0	2570		2570	230		2570	
FARMERS UNION	2874	5727	10,900	18,661	456	18,145	4758	13,387	900	12,487		12,487	6614	2487	10,000	
LITTLE PIONEER		2174	500	2674	170	2504	818	1692	138	1554		1554	1120	1054	500	
MIDDLETON IRRIGATION			6380	6380	208	6172	1747	4425	175	4250		4250	2130		4250	
MIDDLETON MILL			4620	4620	150	4470	1265	3205	127	3078		3078	1542		3078	
NEW DRY CREEK		1296	3000	4296	136	4160	386	3774	220	3554		3554	542	354	3000	
NEW UNION			1400	1400	0	1400	98	1302	0	1302		1302	98		1302	
NEW YORK*	254,471	359,662		614,133	103,374	510,759	155,082	355,677	103,592	252,085	27,442	224,643	389,490	284,643		
PHYLISS	21,018	25,582	16,000	62,600	3970	58,630	14,648	43,982	2338	41,644		41,644	20,956	25,582	16,000	62
RIDENBAUGH	3832	15,137	35,000	53,969	932	53,037	10,394	42,253	3610	38,643		38,643	15,326	3643	35,000	
ROSSI MILL			700	700	0	700	16	684	4	680		680	20		680	
SEBREE	1227			1227	0	1227	0	1227	0	1227		1227	0			1227
SETTLERS**	2878	6082	10,000	18,960	328	18,632	4422	14,210	1084	13,126		13,126	5834	3126	10,000	
THURMAN MILL			800	800	0	800	130	670	0	670		670	130		670	
KROGER	100			100	0	100	48	52	20	32		32	68			32
LUCKY PEAK NURSERY	200			200	0	200	48	152	20	132		132	68			132
IDAHO FISH & GAME			50,000	50,000	0	50,000	0	50,000	0	50,000	4800	45,200	4800		45,200	
ANDERSON DAM POWER		5200		5200	0	5200	0	5200	0	5200		5200	0	5200		
LUCKY PEAK UNCONTRACTED			102,421	102,421	0	102,421	0	102,421	0	102,421		102,421	0		102,421	
TOTALS	286,600	423,200	264,371	974,171	110,042	864,129	197,334	666,795	112,596	554,199	27,442	521,957	452,214	267,697	252,807	1453

*LESS 1100 ACRE FEET OF ARROWROCK STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS. INCREASED BY 22,700 ACRE FEET OF HILLCREST STORAGE.
LESS 279 ACRE FEET OF ANDERSON STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS.
**INCREASE SETTLERS STORAGE 1100 ACRE FEET OF ARROWROCK STORAGE, 272 ACRE FEET OF ANDERSON STORAGE TO IRRIGATE GOVERNMENT LANDS.

STATE OF IDAHO FISH & GAME STORAGE TO BE USED DURING WINTER MONTHS.
LUCKY PEAK UNCONTRACTED STORAGE TO BE RELEASED BY ORDER OF WATER AND POWER RESOURCE SERVICES.

STORAGE WATER ALLOCATIONS FOR ARROWROCK AND ANDERSON RESERVOIRS

CHART NO. 11

ARROWROCK

NAME	ACRE FEET OF STORAGE WATER	PERCENT OF SPACE
BOISE PROJECT BOARD OF CONTROL	177,816	62.01
NAMPA & MERIDIAN	55,055	19.25
PIONEER IRRIGATION DISTRICT	21,018	7.333
FARMERS UNION DITCH CO.	2,874	1.000
SETTLERS IRRIGATION DISTRICT	1,778	.62
FARMERS CO-OP CANAL CO.	1,227	.428
RIDENBAUGH CANAL	3,832	1.337
HILLCREST	23,000	8.02
TOTAL	286,600	99.998

ANDERSON

BOISE-KUNA IRRIGATION DISTRICT	112,149	26.83
NEW YORK IRRIGATION DISTRICT	41,006	9.81
WILDER IRRIGATION DISTRICT	125,108	29.93
BIG BEND IRRIGATION DISTRICT	3,887	.93
NAMPA & MERIDIAN	77,784	18.61
TOTAL BOARD OF CONTROL	359,934	
RIDENBAUGH	15,137	3.62
PIONEER IRRIGATION DISTRICT	25,582	6.12
FARMERS UNION DITCH CO.	5,727	1.37
NEW DRY CREEK DITCH CO.	1,296	.31
SETTLERS IRRIGATION DISTRICT	5,810	1.39
BOISE VALLEY IRRIGATION DITCH CO.	961	.23
SOUTH BOISE MUTUAL IRRIGATION CO.	543	.13
BALLENTYNE DITCH CO.	376	.09
CAPITOL VIEW IRRIGATION DISTRICT	460	.11
PIONEER DITCH COMPANY	2,174	.52
TOTAL	418,000	100.00
POWER	5,200	

STORAGE WATER ALLOCATIONS FOR LUCKY PEAK RESERVOIR

CHART NO. 11

NAME	ACRE FEET OF STORAGE WATER	PERCENT OF SPACE
BALLENTYNE	1,300	.467
BOISE CITY	1,000	.360
BOISE VALLEY	2,500	.899
BUBB (SOUTH BOISE MUTUAL)	500	.180
CANYON COUNTY	6,000	2.157
CAPITAL VIEW IRRIG. DIST.	300	.108
DAVIS DITCH (VILLAGE OF GARDEN CITY)	1,500	.539
EAGLE ISLAND WATER CO.	7,650	2.750
EUREKA WATER CO. #1	2,800	1.006
FARMERS UNION	10,000	3.595
LITTLE PIONEER	500	.180
MIDDLETON IRRIG. ASSN.	6,380	2.293
MIDDLETON MILL	4,620	1.661
NEW DRY CREEK	3,000	1.078
NEW UNION	1,400	.503
PHYLLIS (PIONEER IRRIG. DIST.)	16,000	5.751
RIDENBAUGH	35,000	12.580
ROSSI MILL (SOUTH BOISE WATER)	700	.252
SETTLERS	10,000	3.595
THURMAN MILL	800	.288
IDAHO FISH & GAME	50,000	17.972
UNCONTRACTED SPACE	116,250	41.786
TOTAL	278,200	100.0

Prepared by: Bob Sutter
Idaho Department
of Water Resources

IRRIGATION RETURN FLOWS OF THE BOISE VALLEY

Return flows from irrigation diversions are a significant factor in the operation and character of the Boise River. During the irrigation season, groundwater levels rise and the flows in surface drains begin to increase. This flow along with direct surface return and canal spills is then either rediverted by other canals or directly discharged into the Boise River. The Boise River itself acts as a drain in intercepting groundwater and surface return flows. The combined surface and intermediate ground return flow is a significant amount throughout the entire year.

SURFACE DRAINS

About eleven principal drain systems discharge to Boise River between Lucky Peak Reservoir and the mouth of Boise River. In downstream order these systems are: Drainage District #3, Thurman Drain, Eagle Drain, Five Mile Creek, North and South Middleton Drain, Willow Creek, Mason Creek and Drain, Hartley Drain and Gulch, Indian Creek, Conway Gulch, and Dixie Slough. Most of these follow the natural drainage to the river and in the past were tributaries that contained flow only sporadically following rainstorms or rapid snowmelt.

The Boise Valley below Boise is crossed by many surface drains which do not discharge directly to Boise River. These drains are either tributary to other drains or are intercepted by canals which pick up flow for rediversion. In the lower end of the Boise Valley, some drains discharge directly to the Snake River. One of the largest of these is Sand Run Gulch which discharges as much as 75 cfs during the non-irrigation season.

Following is a short description of some of the major surface drain systems in Boise Valley. In many cases these systems are made up of a complex network of tributary drains which is constantly changing because of new construction or relocation.

Drainage District #3: Return flows from three small drains are included in this system. These are the Booth, Myers, and Ridenbaugh drains. They enter the Boise River from the south within the city of Boise, and collect return flows from land irrigated in the immediate vicinity of Boise. The combined discharge of these drains varries from 15 cfs in the summer to almost no flow in the winter.

Thurman Drain: This drain is located below the Settlers Canal on the south side of the river and discharges into the South Channel of Boise River near Eagle Island. It collects return flows from the Settlers Canal and includes return flows from the end of the Thurman Mill Canal. Discharge ranges from 25 cfs in the summer to less than 15 cfs in the winter.

Eagle Drain: Eagle Drain enters Boise River on the North Channel of Eagle Island at the town of Eagle. It drains the area below the Farmers Union and Dry Creek Canals from Boise to Eagle. Discharge ranges from 60 cfs in the summer to 15 cfs in the winter.

Five Mile Creek: Sometimes called Fifteenmile Creek, Five Mile Creek enters Boise River from the south near Middleton and acts as a drain for the area below the Boise Project Main Canal and between the City of Boise and Mason Creek Drain. It receives return flows and spills from the Main, Ridenbaught, and Phyllis Canals. Five Mile Creek is a major source of irrigation water for the Caldwell Highline Canal, the last of a series of major canals which cross this drain. Just prior to entering the river, a diversion of about 17 cfs is made by a small canal. Discharge to the river varies from 140 cfs in the summer to less than 40 cfs in the winter. However, because of the great reuse of water from the drain, flows are quite variable.

Mason Creek: Mason Creek drains land served by the same canals as Five Mile Creek and also provides irrigation water to the Caldwell Highline Canal. Between the Boise Project Main Canal and the Ridenbaugh Canal, Mason Creek acts as a lateral from the former canal and empties into the latter. It begins to function as a drain below the Ridenbaugh Canal. Near the river, Mason Creek branches into two channels which reach the river at approximately the same location near Caldwell. These channels are called Mason Creek and Mason Drain. The combined discharge of the two channels varies from 200 cfs in the summer to 60 cfs in the winter.

Indian Creek: Indian Creek and two tributary drains, the Wilson and Elijah, drain the area below the Ridenbaugh Canal between Mason Creek and Lake Lowell. Similar to Mason Creek, Indian Creek begins to act as a drain below the Ridenbaugh Canal. Above that point Indian Creek functions as a portion of the Boise Project Main Canal and all return flows or surface runoff is diverted to Lake Lowell via the Main Canal.

There are many artesian wells and springs which discharge to Indian Creek in the vicinity of Nampa. Indian Creek discharges to Boise River below Caldwell, but during the irrigation season much of the flow is diverted before it reaches Boise River. The largest diversions from the system are the Notus Canal which diverts flow from the Wilson and Elijah Drains to the north side of Boise River, and the Riverside Canal which diverts flow from Indian Creek below Caldwell. Discharge to Boise River is highly variable, ranging from 250 cfs at the end of the irrigation season to less than 100 cfs when canals are diverting water from the creek.

North and South Middleton: The two forks of the Middleton Drain drain the area below the Middleton Canal between Eagle and Middleton. The drain discharges to Boise River at Middleton. Discharge varies from 200 cfs in the summer to 50 cfs in the winter.

Willow Creek: Willow Creek also discharges to Boise River at Middleton. It collects return flows from the area irrigated by the lower end of the Middleton Canal and by the last few miles of the "C" Line East

Canal of the Payette Division of the Boise Project, which diverts water from the Payette River to Boise Valley. Discharge in Willow Creek varies from 50 cfs in the spring to almost no flow in the winter.

Hartley Drain and Gulch: The two forks of this drain enter the Boise River above Caldwell. It drains the area receiving water from the lower end of the Middleton and Canyon County canals. It also drains a large portion of the Black Canyon Irrigation District that obtains water from the "C" Line East Canal between Willow Creek and Conway Gulch. Discharge ranges from 100 cfs in the summer to less than 25 cfs in the winter.

Conway Gulch: Conway Gulch drains the area irrigated by the "C" Line East, "C" Line West, and Notus Canals between Hartley Gulch and Sand Run Gulch. These canals irrigate land in the Payette Division of the Boise Project, Conway Gulch discharges to Boise River at Notus. Discharge varies from 60 cfs in the summer to 200 cfs in the winter.

Sand Run Gulch: The last major drain north of Boise River before it reaches Snake River is Sand Run Gulch which parallels Boise River for more than ten miles before the drain discharges to Snake River. Return flows from the area irrigated by the Boise Project "D" Line Canal and the Sebree Canal contribute flow to this drain. A November flow of 75 cfs has been observed near the end of the drain.

Dixie Slough: The Dixie Slough is the last major drain on the south side of Boise River which discharges directly to the river. The drain collects return flows from the irrigated area below the Riverside Canal from Caldwell to a point about five miles below Notus. Flows range from 275 cfs in the summer to less than 100 cfs in the winter. The discharge of this drain is highly variable during the irrigation season because of variations in reuse of the drain water.

Ross East End Drain: Return flows from land irrigated south of the river by the lower end of the Riverside Canal are collected by the Ross East End Drain. This drain eventually discharges to Snake River. A November discharge of 12 cfs has been observed near the end of the drain.

After irrigation diversions begin in April, the flow in surface drains increases until a somewhat steady rate is reached, and this flow is maintained throughout the irrigation season. When diversions for irrigation are completed in October, the drain system return flows gradually decrease throughout the winter as groundwater levels decline. In late March the drains are found to have the lowest discharge of the year. Local storms often cause the drains to discharge at unusually high rates for short periods of time.

All of the principal drains enter the Boise River below the streamgage at Boise; only two of the drains enter below Notus. The largest drains are concentrated in the reach of the river between the cities of Middleton and Caldwell. When the natural flow of the river becomes too small to satisfy all diversions and many canals begin to use storage water, canals below Middleton usually obtain all of their water from surface and seepage return flows to the river. Only in very dry years when drains are discharging

less than normal do these canals need additional water from storage. Even during years of extremely low runoff, canals on the lower end of the river below Notus do not require storage water.

Discharge Measurements

Measurements of discharges of all the major drains which discharge to Boise River are reported by the Boise River Watermaster for the irrigation season only, April 15 to October 15. Daily values are estimated by interpolating between weekly measurements. The length of historic record varies with each drain, and locations of measurements have changed throughout the period. The Boise River Watermaster has measured all drains three times during the non-irrigation season, in November 1971, February 1972, and March 1973.

Distribution and Composition of Total Gain

Very little return flow enters the Boise River above Boise. In this reach there are no major surface drains. The total gain to the river from Lucky Peak to Boise is negative throughout most of the year. From Boise to Notus, the total gain to the river can be calculated by adding the recorded diversions to the gage difference. The total gain includes all surface return flows and groundwater gains or losses. Because natural runoff is very small in this reach, the total gain is a good representation of total return flow to the river. The table on the following page lists the Boise - Notus total gain by month in thousands of acre-feet for the years 1959-72.

The total gain to Boise River follows the same pattern as individual surface drains. The lowest gain is in March just prior to the irrigation season. The total gain from the Boise River at Boise to the Boise River at Notus gaging stations is approximately 500 cfs. By May the gain usually increases to 1000 to 1500 cfs. The gain remains at this level through September and gradually decreases throughout the non-irrigation season.

In a given year, the magnitude of the total return to the river varies with the available water supply. In the low runoff year of 1961, the Boise to Notus return averaged under 1000 cfs during the irrigation season; in the same period of the high runoff year of 1965, this gain averaged over 1500 cfs. This relationship can be explained by the fact that less efficient use is made of the available water when the supply is abundant. When the supply is low, gross diversions are less and more of the surface return is reused. The drain discharges become highly variable during periods of greater water reuse.

An estimate of the distribution of the gain by reach from Boise to Notus was found by calculating the net gain above Eagle Island, near Star below the Caldwell Highline Canal, and at Caldwell Bridge, based on miscellaneous measuremnets at these locations. It was found that the ratio of the gain in these reaches to the total gain does not vary greatly throughout the year. The following ratios were calculated for the four reaches: Boise to above Eagle Island - 0.06; above Eagle Island to near Star - 0.13; near Star to Caldwell Bridge - 0.39; Caldwell Bridge to Notus - 0.42.

TOTAL GAIN TO BOISE RIVER BETWEEN BOISE AND NOTUS (1000 AC-FT)

YR	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	TOTAL
59	65.2	42.3	37.3	32.0	27.1	25.6	41.2	94.6	72.0	73.4	94.5	82.6	687.8
60	61.1	38.2	34.1	34.3	36.0	33.9	31.4	109.0	84.3	82.1	90.8	81.3	716.5
61	63.0	43.2	38.3	32.6	28.5	28.1	26.1	66.9	63.3	56.7	52.8	63.1	562.6
62	49.7	36.6	33.3	30.4	32.8	29.8	31.1	79.8	55.5	72.5	75.3	79.8	606.6
63	70.6	41.2	36.8	31.3	40.9	28.8	29.8	58.4	88.0	70.0	75.1	83.4	654.3
64	63.4	45.8	39.9	42.5	38.3	42.0	40.5	64.6	88.9	75.9	88.3	88.5	718.6
65	62.3	42.1	46.4	42.1	30.6	36.0	69.7	92.4	101.6	91.1	96.2	82.4	792.9
66	68.7	44.0	37.5	32.8	26.7	24.7	64.5	83.9	87.9	69.8	68.9	68.7	678.1
67	56.1	41.1	38.6	34.5	29.9	25.8	40.6	63.5	78.6	76.9	76.0	81.5	643.1
68	66.3	40.9	37.2	34.8	30.5	26.3	22.1	65.1	67.3	66.9	81.3	61.1	599.8
69	61.5	42.3	39.3	49.5	33.0	42.3	52.1	89.3	89.4	74.2	76.1	75.0	724.0
70	66.7	43.4	40.4	52.7	36.9	37.4	51.3	93.4	89.8	93.0	85.3	97.1	787.4
71	65.7	46.2	42.7	56.9	41.3	56.8	71.5	123.6	124.9	95.6	84.1	87.0	896.3
72	70.8	45.6	44.2	48.6	77.2	71.8	63.7	91.6	93.1	85.1	96.6	94.7	883.0
AVG.	63.6	42.3	39.0	39.6	36.4	36.4	45.4	84.0	84.6	77.4	81.5	80.4	710.8

It is significant to note that over 80 percent of the return is below Star.

Of the total gain from Boise to Notus, the major source is from surface drains. Based on 1959-72 measurements taken by the Boise River Watermaster, 60 to 65 percent of the gain is contributed by the eleven major surface drains during their peak discharge, from April through October. From miscellaneous measurements taken in the non-irrigation season on days that did not follow excessive precipitation, it was found that these same drains accounted for about 75 percent of the total Boise to Notus gain. This increase is logical since diversions from surface drains are generally not made after October 15. The remainder of the gain, or the unidentified gain, originates from very small surface drains which flow during the irrigation season and from groundwater seepage directly to the river channel.

The total gain from Notus to Parma varies in much the same manner as the upper portion of the river. Limited data indicates that the total gain approches 500 cfs during the irrigation season and decreases to zero by the end of March. Two major surface drains, Dixie Drain and Conway Gulch, discharge into the river in this reach. These two drains comprise about 65% of the total gain from May through September when the gain is at its peak. No data exists on return to the river below Parma; however, there are no major surface drains that discharge into the river below that location.

Diversion - Return Flow Relationships

Because of extensive reuse of water for irrigation, it is very difficult to estimate the effect of any single diversion on the return flow to Boise River. The absence of any continuous record of flow in the river between Boise and Notus prohibits analysis of diversion-return flow relationships even by general areas. An estimate of the return from Boise to Parma can be made by comparing the total annual gain to the river to gross diversions. Diversion from the Boise River from Diversion Dam to Parma average about 1,850,000 acre-feet. By adding to this the average diversion into the Boise Valley from the Payette River, 250,000 acre-feet, the total annual surface diversion is about 2,100,000 acre-feet. The average annual (1959-72) gain from Boise to Parma is approximately 870,000 acre-feet. Therefore, the average return to the Boise above Parma appears to be in the range of 40 percent of the total surface water diversion. This does not include the entire return, some of which flows directly or indirectly to Snake River.

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
FOR IRRIGATION SEASON OF 1980

CHART NO. 12

APRIL

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
BOISE SEWER	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	23	23	23	23	23	23	23		667
CONWAY GULCH	14	14	14	14	14	14	14	14	14	23	23	23	23	23	23	23	30	30	30	30	30	30	30	37	37	37	37	37	37	37		756
DIXIE DRAIN	130	130	130	130	130	130	130	130	130	203	203	203	203	203	203	203	203	203	170	170	140	100	76	76	76	76	76	76	76	127		4236
DRAINAGE DISTRICT #3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4		95
EAGLE DRAIN	15	15	15	15	15	15	15	22	22	22	22	22	22	22	22	22	22	22	22	22	11	11	11	11	11	11	11	20	20	20		528
FISH HATCHERY WELLS																																
FIVE MILE CREEK	25	25	25	25	25	25	25	25	25	25	10	10	10	10	10	10	10	10	10	10	10	97	97	97	97	97	97	97	112	112		1253
HARTLEY DRAIN	18	18	18	18	18	18	18	18	18	18	16	16	16	16	16	16	16	16	16	16	16	34	34	34	34	34	34	34	50	50		694
HARTLEY GULCH	6	6	6	6	6	6	6	6	6	6	4	4	4	4	4	4	4	4	4	4	4	20	20	20	20	20	20	20	17	17		278
INDIAN CREEK	106	106	106	106	106	106	106	106	106	106	95	95	95	95	95	95	95	95	95	95	95	17	17	17	17	17	17	17	251	251		2726
LONG FEEDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7	7	7	7	7	7	19	19		87
MASON CREEK	5	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	10	10	10	10	10	10	10	18	18		200
MASON DRAIN	55	55	55	55	55	55	55	55	55	55	81	81	81	81	81	81	81	81	81	81	81	35	35	35	35	35	35	35	73	73		1832
NORTH MIDDLETON DRAIN	18	18	18	18	18	18	18	18	18	18	44	44	44	44	44	44	44	44	44	44	44	42	42	42	42	42	42	42	73	73		1104
SOUTH MIDDLETON DRAIN	23	23	23	23	23	23	23	23	23	23	42	42	42	42	42	42	42	42	42	42	42	56	56	56	56	56	56	56	90	90		1264
STAR FEEDER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24	24	24	24	24	24	24	24	24	24	29	29		322
THURMAN DRAIN	12	12	12	12	12	12	12	12	12	12	30	30	30	30	30	30	30	30	30	30	19	19	19	19	19	19	19	18	18	18		607
WATTS CHECK	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11	11	11	11	11	11	11	11	11	11	12	12		145
WILLOW CREEK	27	27	27	27	27	27	27	27	27	27	4	4	4	4	4	4	4	4	4	4	4	20	20	20	20	20	20	20	66	66		586
TOTALS	479	479	479	479	479	479	479	486	486	568	602	602	602	602	603	603	610	645	612	612	560	559	535	543	543	543	543	551	988	1039		17,390

MAY

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
BOISE SEWER	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	938
CONWAY GULCH	37	37	37	37	37	37	39	39	39	39	39	39	39	44	44	44	44	44	44	44	58	58	58	58	58	58	58	61	61	61	61	1453
DIXIE DRAIN	127	127	127	127	127	127	237	237	237	237	237	237	237	242	242	242	242	242	242	242	303	303	303	303	303	303	303	227	227	227	227	7144
DRAINAGE DISTRICT #3	4	4	4	4	5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	171
EAGLE DRAIN	20	20	20	20	37	37	37	37	37	37	37	56	56	56	56	56	56	56	43	43	43	43	43	43	43	84	84	84	84	84	84	1536
FISH HATCHERY WELLS																																
FIVE MILE CREEK	112	112	112	112	112	120	120	120	120	120	120	120	169	169	169	169	169	169	169	212	212	212	212	212	212	212	188	188	188	188	188	5007
HARTLEY DRAIN	50	50	50	50	50	61	61	61	61	61	61	61	55	55	55	55	55	55	55	75	75	75	75	75	75	75	69	69	69	69	69	1932
HARTLEY GULCH	17	17	17	17	17	26	26	26	26	26	26	26	29	29	29	29	29	29	29	29	29	29	29	29	29	29	27	27	27	27	27	808
INDIAN CREEK	251	251	251	251	251	87	87	87	87	87	87	87	136	136	136	136	136	136	136	85	85	85	85	85	85	85	135	135	135	135	135	4086
LONG FEEDER	19	19	19	19	19	11	11	11	11	11	11	11	10	10	10	10	10	10	10	12	12	12	12	12	12	12	12	12	12	12	12	386
MASON CREEK	18	18	18	18	18	20	20	20	20	20	20	20	31	31	31	31	31	31	31	24	24	24	24	24	24	24	10	10	10	10	10	665
MASON DRAIN	73	73	73	73	73	89	89	89	89	89	89	89	103	103	103	103	103	103	103	115	115	115	115	115	115	115	219	219	219	219	219	3609
NORTH MIDDLETON DRAIN	73	73	73	73	73	59	59	59	59	59	59	59	78	78	78	78	78	78	78	82	82	82	82	82	82	82	114	114	114	114	114	2468
SOUTH MIDDLETON DRAIN	90	90	90	90	90	98	98	98	98	98	98	98	133	133	133	133	133	133	133	128	128	128	128	128	128	128	154	154	154	154	154	3733
STAR FEEDER	29	29	29	29	29	18	18	18	18	18	18	18	18	18	18	18	18	18	18	28	28	28	28	28	28	28	24	24	24	24	24	713
THURMAN DRAIN	18	18	18	18	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	16	16	16	16	16	16	16	21	21	21	21	21	583
WATTS CHECK	12	12	12	12	12	22	22	22	22	22	22	22	20	20	20	20	20	20	20	25	25	25	25	25	25	25	20	20	20	20	20	629
WILLOW CREEK	66	66	66	66	66	38	38	38	38	38	38	38	58	58	58	58	58	58	58	52	52	52	52	52	52	52	98	98	98	98	98	1856
TOTALS	1046	1046	1046	1046	1065	904	1016	1016	1016	1016	1016	1037	1228	1238	1238	1238	1238	1238	1221	1248	1323	1323	1323	1324	1324	1370	1573	1500	1500	1500	1500	37,717

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
FOR IRRIGATION SEASON OF 1980

CHART NO. 12

JUNE

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
BOISE SEWER	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29		848
CONWAY GULCH	61	61	61	55	55	55	55	55	55	55	53	53	53	53	53	53	53	54	54	54	54	54	54	54	60	60	60	60	60	60		1677
DIXIE DRAIN	227	227	227	384	384	384	384	384	384	384	175	175	175	175	175	175	175	198	198	198	198	198	198	198	214	214	214	214	214	214		7264
DRAINAGE DISTRICT #3	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		223
EAGLE DRAIN	84	42	42	42	42	42	42	42	38	38	38	38	38	38	38	42	42	42	42	42	42	42	75	75	75	75	75	75	75	60		1523
FISH HATCHERY WELLS																																
FIVE MILE CREEK	188	188	201	201	201	201	201	201	201	141	141	141	141	141	141	141	124	124	124	124	124	124	124	126	126	126	126	126	126	126		4520
HARTLEY DRAIN	69	69	93	93	93	93	93	93	93	48	48	48	48	48	48	48	32	32	32	32	32	32	32	57	57	57	57	57	57	57		1748
HARTLEY GULCH	27	27	21	21	21	21	21	21	21	28	28	28	28	28	28	28	39	39	39	39	39	39	39	29	29	29	29	29	29	29		873
INDIAN CREEK	135	135	236	236	236	236	236	236	236	110	110	110	110	110	110	110	88	88	88	88	88	88	88	97	97	97	97	97	97	97		3987
LONG FEEDER	12	12	11	11	11	11	11	11	11	10	10	10	10	10	10	10	11	11	11	11	11	11	11	10	10	10	10	10	10	10		318
MASON CREEK	10	10	16	16	16	16	16	16	16	25	25	25	25	25	25	25	17	17	17	17	17	17	17	18	18	18	18	18	18	18		552
MASON DRAIN	219	219	183	183	183	183	183	183	183	172	172	172	172	172	172	172	127	127	127	127	127	127	127	146	146	146	146	146	146	146		4834
NORTH MIDDLETON DRAIN	114	114	97	97	97	97	97	97	97	42	42	42	42	42	42	42	42	42	42	42	42	42	42	87	87	87	87	87	87	87		2104
SOUTH MIDDLETON DRAIN	154	154	139	139	139	139	139	139	139	95	95	95	95	95	95	95	118	118	118	118	118	118	118	117	117	117	117	117	117	117		3591
STAR FEEDER	24	24	38	38	38	38	38	38	38	30	30	30	30	30	30	30	37	37	37	37	37	37	37	39	39	39	39	39	39	39		1056
THURMAN DRAIN	21	16	16	16	16	16	16	16	19	19	19	19	19	19	19	23	23	23	23	23	23	23	29	29	29	29	29	29	29	16		646
WATTS CHECK	20	20	20	20	20	20	20	20	20	18	18	18	18	18	18	18	38	38	38	38	38	38	38	28	28	28	28	28	28	28		768
WILLOW CREEK	98	98	54	54	54	54	54	54	54	17	17	17	17	17	17	17	23	23	23	23	23	23	23	31	31	31	31	31	31	31		1071
TOTALS .	1497	1452	1491	1642	1642	1642	1542	1642	1641	1268	1057	1057	1057	1057	1057	1064	1024	1048	1048	1048	1048	1048	1088	1177	1199	1199	1139	1199	1199	1171		37,603

JULY

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
BOISE SEWER	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	885
CONWAY GULCH	60	55	55	55	55	55	55	55	58	58	58	58	58	58	58	70	70	70	70	70	70	70	61	61	61	61	61	61	61	66	66	1900
DIXIE DRAIN	214	296	296	296	296	296	296	296	239	239	239	239	239	239	239	241	241	241	241	241	241	241	225	225	225	225	225	225	225	248	248	7717
DRAINAGE DISTRICT #3	7	7	7	7	7	7	9	9	9	9	9	9	9	9	9	9	9	9	9	9	11	11	11	11	11	11	11	10	10	10	10	285
EAGLE DRAIN	60	60	60	60	60	60	60	60	60	60	60	60	60	61	61	61	61	61	61	61	65	65	65	65	65	65	65	57	57	57	57	1890
FISH HATCHERY WELLS																																
FIVE MILE CREEK	134	134	134	134	134	134	134	145	145	145	145	145	145	145	124	124	124	124	124	124	124	143	143	143	143	143	143	143	149	149	149	4269
HARTLEY DRAIN	60	60	60	60	60	60	60	62	62	62	62	62	62	62	64	64	64	64	64	64	64	72	72	72	72	72	72	72	73	73	73	2025
HARTLEY GULCH	34	34	34	34	34	34	34	24	24	24	24	24	24	24	37	37	37	37	37	37	37	36	36	36	36	36	36	36	23	23	23	986
INDIAN CREEK	74	74	74	74	74	74	74	105	105	105	105	105	105	105	142	142	142	142	142	142	142	127	127	127	127	127	127	127	104	104	104	3448
LONG FEEDER	8	8	8	8	8	8	8	7	7	7	7	7	7	7	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8	248
MASON CREEK	8	8	8	8	8	8	8	12	12	12	12	12	12	12	18	18	18	18	18	18	18	16	16	16	16	16	16	16	10	10	10	408
MASON DRAIN	146	146	146	146	146	146	146	150	150	150	150	150	150	150	139	139	139	139	139	139	139	149	149	149	149	149	149	149	148	148	148	4532
NORTH MIDDLETON DRAIN	80	80	80	80	80	80	80	61	61	61	61	61	61	61	94	94	94	94	94	94	94	75	75	75	75	75	75	75	62	62	62	2356
SOUTH MIDDLETON DRAIN	112	112	112	112	112	112	112	130	130	130	130	130	130	130	119	119	119	119	119	119	119	96	96	96	96	96	96	96	93	93	93	3478
STAR FEEDER	39	39	39	39	39	39	39	42	42	42	42	42	42	42	44	44	44	44	44	44	44	45	45	45	45	45	45	45	46	46	46	1328
THURMAN DRAIN	16	16	16	16	16	16	13	13	13	13	13	13	13	23	23	23	23	23	23	23	21	21	21	21	21	21	21	22	22	22	22	583
WATTS CHECK	28	28	28	28	28	28	28	27	27	27	27	27	27	27	25	25	25	25	25	25	25	24	24	24	24	24	24	24	25	25	25	803
WILLOW CREEK	13	13	13	13	13	13	13	20	20	20	20	20	20	20	37	37	37	37	37	37	37	35	35	35	35	35	35	35	12	12	12	771
TOTALS	1121	1198	1198	1198	1198	1198	1197	1246	1192	1192	1192	1192	1192	1203	1271	1285	1285	1285	1285	1285	1289	1263	1238	1238	1238	1238	1238	1230	1157	1185	1185	37,912

CHART NO. 12

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
FOR IRRIGATION SEASON OF 1980

AUGUST

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTALS
BOISE SEWER	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	853
CONWAY GULCH	66	66	66	66	66	62	62	62	62	62	62	62	60	60	60	60	60	60	60	65	65	65	65	65	65	65	68	68	68	68	68	1979
DIXIE DRAIN	248	248	248	248	248	276	276	276	276	276	276	276	236	236	236	236	236	236	236	272	272	272	272	272	272	272	261	261	261	261	261	8033
DRAINAGE DISTRICT #3	10	10	10	9	9	9	9	9	9	9	10	10	10	10	10	10	10	9	9	9	9	9	9	9	11	11	11	11	11	11	11	303
EAGLE DRAIN	57	57	57	66	66	66	66	66	66	66	58	58	58	58	58	58	58	49	49	49	49	49	49	49	55	55	55	55	55	55	55	1767
FIVE MILE CREEK	149	149	149	149	170	170	170	170	170	170	170	160	160	160	160	160	160	160	199	199	199	199	199	199	199	178	178	178	178	178	178	5367
HARTLEY DRAIN	73	73	73	73	79	79	79	79	79	79	79	76	76	76	76	76	76	76	67	67	67	67	67	67	67	67	67	67	67	67	67	2248
HARTLEY GULCH	23	23	23	23	36	36	36	36	36	36	36	23	23	23	23	23	23	23	33	33	33	33	33	33	33	32	32	32	32	32	32	928
INDIAN CREEK	104	104	104	104	136	136	136	136	136	136	136	129	129	129	129	129	129	129	144	144	144	144	144	144	144	132	132	132	132	132	132	4071
LONG FEEDER	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	7	7	7	7	7	7	235
MASON CREEK	10	10	10	10	20	20	20	20	20	20	20	4	4	4	4	4	4	4	12	12	12	12	12	12	12	10	10	10	10	10	10	352
MASON DRAIN	148	148	148	148	143	143	143	143	143	143	143	157	157	157	157	157	157	157	173	173	173	173	173	173	173	163	163	163	163	163	163	4881
NORTH MIDDLETON DRAIN	62	62	62	62	51	51	51	51	51	51	51	51	51	51	51	51	51	51	40	40	40	40	40	40	40	38	38	38	38	38	38	1470
SOUTH MIDDLETON DRAIN	93	93	93	93	107	107	107	107	107	107	107	101	101	101	101	101	101	101	128	128	128	128	128	128	128	121	121	121	121	121	121	3450
STAR FEEDER	46	46	46	46	66	66	66	66	66	66	66	71	71	71	71	71	71	71	76	76	76	76	76	76	76	76	76	76	76	76	76	2131
THURMAN DRAIN	22	22	22	20	20	20	20	20	20	20	22	22	22	22	22	22	22	26	26	26	26	26	26	26	29	29	29	29	29	29	29	745
WATTS CHECK	25	25	25	25	24	24	24	24	24	24	24	27	27	27	27	27	27	27	24	24	24	24	24	24	24	24	24	24	24	24	24	769
WILLOW CREEK	12	12	12	12	25	25	25	25	25	25	25	24	24	24	24	24	24	24	30	30	30	30	30	30	30	53	53	53	53	53	53	919
TOTALS	1184	1184	1184	1170	1302	1326	1326	1326	1326	1326	1321	1286	1244	1244	1244	1244	1243	1237	1341	1382	1382	1382	1382	1382	1393	1360	1352	1352	1352	1352	1352	40,501

SEPTEMBER

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTALS
BOISE SEWER	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	29	29	29	29	29	29	29	29	29	29	29	29	29	29	854
CONWAY GULCH	68	68	67	67	67	67	67	67	67	74	74	74	74	74	74	74	82	82	82	82	82	82	82	80	80	80	80	80	80	80	2257
DIXIE DRAIN	261	261	264	264	264	264	264	264	264	274	274	274	274	274	274	274	347	347	347	347	347	347	347	338	338	338	338	338	338	338	9083
DRAINAGE DISTRICT #3	11	11	11	11	11	11	11	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	247
EAGLE DRAIN	47	47	47	47	47	47	47	58	58	58	58	58	58	58	37	37	37	37	37	37	37	42	42	42	42	42	42	42	29	29	1346
FIVE MILE CREEK	178	209	209	209	209	209	209	209	163	163	163	163	163	163	163	213	213	213	213	213	213	213	204	204	204	204	204	204	204	141	5842
HARTLEY DRAIN	67	87	87	87	87	87	87	87	73	73	73	73	73	73	73	64	64	64	64	64	64	64	51	51	51	51	51	51	51	45	2037
HARTLEY GULCH	32	21	21	21	21	21	21	21	21	21	21	21	21	21	21	18	18	18	18	18	18	18	18	18	18	18	18	18	18	16	594
INDIAN CREEK	132	203	203	203	203	203	203	203	183	183	183	183	183	183	183	358	358	358	358	358	358	358	230	230	230	230	230	230	230	140	7090
LONG FEEDER	7	8	8	8	8	8	8	8	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	194
MASON CREEK	10	18	18	18	18	18	18	18	12	12	12	12	12	12	12	17	17	17	17	17	17	17	15	15	15	15	15	15	15	13	457
MASON DRAIN	163	192	192	192	192	192	192	192	150	150	150	150	150	150	150	215	215	215	215	215	215	215	164	164	164	164	164	164	164	148	5358
NORTH MIDDLETON DRAIN	38	48	48	48	48	48	48	48	46	46	46	46	46	46	46	67	67	67	67	67	67	67	55	55	55	55	55	55	55	34	1584
SOUTH MIDDLETON DRAIN	121	123	123	123	123	123	123	123	128	128	128	128	128	128	128	123	123	123	123	123	123	123	114	114	114	114	114	114	114	82	3619
STAR FEEDER	76	57	57	57	57	57	57	57	63	63	63	63	63	63	63	54	54	54	54	54	54	54	51	51	51	51	51	51	51	35	1646
THURMAN DRAIN	29	29	29	29	29	29	29	23	23	23	23	23	23	23	21	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	698
WATTS CHECK	24	17	17	17	17	17	17	17	16	16	16	16	16	16	16	14	14	14	14	14	14	14	12	12	12	12	12	12	12	11	448
WILLOW CREEK	53	72	72	72	72	72	72	72	67	67	67	67	67	67	67	44	44	44	44	44	44	44	54	54	54	54	54	54	54	14	1326
TOTALS	1345	1499	1501	1501	1501	1501	1501	1502	1375	1392	1392	1392	1392	1392	1369	1634	1716	1716	1716	1716	1716	1722	1503	1492	1492	1492	1492	1492	1478	1188	45,120

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
FOR IRRIGATION SEASON OF 1980

CHART NO. 12

OCTOBER

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTALS
BOISE SEWER	26	26	26	26	26	26	26	26	26	26	25	25	25	25	25																	385
CONWAY GULCH	80	80	80	80	80	80	80	58	58	58	58	58	58	58	54																	1020
DIXIE DRAIN	302	302	302	302	302	302	302	246	246	246	246	246	246	246	283																	4119
DRAINAGE DISTRICT #3	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7																	110
EAGLE DRAIN	29	29	29	29	29	34	34	34	34	34	34	34	47	47	47																	524
FIVE MILE CREEK	141	141	141	141	141	141	84	84	84	84	84	84	84	67	67																	1568
HARTLEY DRAIN	45	45	45	45	45	45	38	38	38	38	38	38	38	58	58																	652
HARTLEY GULCH	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16																	240
INDIAN CREEK	140	140	140	140	140	140	147	147	147	147	147	147	147	175	175																	2219
LONG FEEDER	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5																	75
MASON CREEK	13	13	13	13	13	13	8	8	8	8	8	8	8	11	11																	156
MASON DRAIN	148	148	148	148	148	148	111	111	111	111	111	111	111	131	131																	1927
NORTH MIDDLETON DRAIN	34	34	34	34	34	34	29	29	29	29	29	29	29	41	41																	489
SOUTH MIDDLETON DRAIN	82	82	82	82	82	82	74	74	74	74	74	74	74	88	88																	1186
STAR FEEDER	35	35	35	35	35	35	37	37	37	37	37	37	37	31	31																	531
THURMAN DRAIN	20	20	20	20	20	23	23	23	23	23	23	23	20	20	20																	321
WATTS CHECK	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12																	174
WILLOW CREEK	14	14	14	14	14	14	10	10	10	10	10	10	10	36	36																	226
TOTALS	1149	1149	1149	1149	1149	1156	1043	965	965	965	964	964	974	1074	1107																	15,922

BOISE SEWER
CONWAY GULCH
DIXIE DRAIN
DRAINAGE DISTRICT #3
EAGLE DRAIN
FIVE MILE CREEK
HARTLEY DRAIN
HARTLEY GULCH
INDIAN CREEK
LONG FEEDER
MASON CREEK
MASON DRAIN
NORTH MIDDLETON DRAIN
SOUTH MIDDLETON DRAIN
STAR FEEDER
THURMAN DRAIN
WATTS CHECK
WILLOW CREEK

TOTALS

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY DRAIN DISCHARGES INTO THE BOISE RIVER
DURING THE IRRIGATION SEASON OF 1980

CHART NO. 13

NAME OF DRAIN	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTALS
BOISE SEWER	1334	1876	1696	1770	1706	1708	770	10860
CONWAY GULCH	1512	2906	3354	3800	3958	4514	2040	22084
DIXIE DRAIN (SLOUGH)	8472	14288	14528	15434	16066	18166	8238	95192
FIVE MILE CREEK	2526	10014	9040	8538	10734	11684	3136	55672
INDIAN CREEK	5452	8172	7974	6896	8142	14180	4438	55254
MASON CREEK	400	1330	1104	816	704	914	312	5580
MASON DRAIN	3664	7218	9668	9064	9762	10716	3854	53946
TOTALS	23,360	45,804	47,364	46,318	51,072	61,882	22,788	298,588
DRAINAGE DISTRICT #2 (ENTERS INTO THE BOISE RIVER)								
EAGLE DRAIN	1056	3072	3046	3780	3534	2692	1048	18228
HARTLEY DRAIN	1388	3864	3496	4050	4496	4074	1304	22672
HARTLEY GULCH	556	1616	1746	1972	1856	1188	480	9414
NORTH MIDDLETON DRAIN	2208	4936	4208	4712	2940	3168	978	23150
SOUTH MIDDLETON DRAIN	2528	7466	7182	6956	6900	7238	2372	40642
WILLOW CREEK	1172	3712	2142	1542	1838	3452	452	14310
TOTALS	8,908	24,666	21,820	23,012	21,564	21,812	6,634	128,416
DIVERTED INTO CANALS								
LONG FEEDER	174	772	636	496	470	388	150	3086
STAR FEEDER	644	1426	2112	2656	4262	3372	1062	15534
WATTS CHECK	290	1258	1536	1606	1538	896	348	7472
TOTALS	1,108	3,456	4,284	4,758	6,270	4,656	1,560	26,092
TOTAL DRAINAGE DISTRICT #2	10,016	28,122	26,104	27,770	27,834	26,468	8,194	154,508
DRAINAGE DISTRICT #3								
RIDENBAUGH, BOOTH & MYERS DRAINS	190	342	446	570	606	494	220	2,868
DRAINAGE DISTRICT #4								
THURMAN DRAIN	1214	1166	1292	1166	1490	1396	642	8,366
TOTAL ALL DRAINS	34,780	75,434	75,206	75,824	81,002	90,240	31,844	464,330

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM
CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN
BY MONTHS IN ACRE FEET - 1 APRIL, 1980 THRU 15 OCTOBER, 1980

	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTALS
BOISE RIVER AT DIVERSION DAM	146,796	428,646	385,398	286,140	257,350	172,094	45,366	1,721,790
TRIBUTARY GAIN	33,672	71,978	70,922	71,066	74,732	85,584	30,284	438,238
TOTAL AVAILABLE	180,468	500,624	456,320	357,206	332,082	257,678	75,650	2,160,028
DELIVERIES TO CANALS	138,296	304,242	292,036	348,622	329,600	226,692	66,082	1,705,570
NET TRIBUTARY GAIN UNUSED	42,172	196,382	164,284	8,584	2,482	30,986	9,568	454,458
SEEPAGE GAIN	0	0	0	0	0	0	0	0

CHART NO. 15

TOTAL MONTHLY FLOW IN ACRE FEET AND AVERAGE DAILY FLOW IN SECOND FEET OF ALL DRAINS IN DRAINAGE DISTRICT #2, FOR 29,000 ACRES

NAME OF DRAIN	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTAL
EAGLE DRAIN	1056	3072	3046	3780	3534	2692	1048	18,228
HARTLEY DRAIN	1388	3864	3496	4050	4496	4074	1304	22,672
HARTLEY GULCH	556	1616	1746	1972	1856	1188	480	9,414
LONG FEEDER	174	772	636	496	470	388	150	3,086
NORTH MIDDLETON	2208	4936	4208	4712	2940	3168	978	23,150
SOUTH MIDDLETON	2528	7466	7182	6956	6900	7238	2372	40,642
STAR FEEDER	644	1426	2112	2656	4262	3372	1062	15,534
WATTS CHECK	290	1258	1536	1606	1538	896	348	7,472
WILLOW CREEK	1172	3712	2142	1542	1838	3452	452	14,310
TOTALS	10,016	28,122	26,104	27,770	27,834	26,468	8,194	154,508
AVERAGE DAILY FLOW IN SECOND FEET	167	454	435	448	449	441	273	381
ACRE FEET PER ACRE	.35	.97	.90	.96	.96	.91	.28	5.33

YEAR	ACRE FEET PER ACRE
1960	5.09
1961	4.19
1962	4.43
1963	4.18
1964	5.18
1965	6.09
1966	5.28
1967	5.40
1968	5.23
1969	6.01
1970	5.65
1971	6.21
1972	5.87
1973	5.13
1974	5.41
1975	5.38
1976	5.41
1977	4.33
1978	4.86
1979	4.98
1980	5.33

TABLE SHOWING TOTAL DISCHARGE OF ALL DRAINS

IN DRAINAGE DISTRICT #3, FOR 4,200 ACRES

	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTAL
AVERAGE DAILY FLOW IN SECOND FEET	3.17	5.52	7.43	9.19	9.77	8.23	7.33	7.23
TOTAL MONTHLY FLOW IN ACRE FEET	190	342	446	570	606	494	220	2868
ACRE FEET PER ACRE	.05	.08	.11	.14	.14	.12	.05	.69

YEAR	ACRE FEET PER ACRE
1964	1.62
1965	1.72
1966	1.36
1967	1.04
1968	1.24
1969	1.13
1970	1.15
1971	1.08
1972	1.08
1973	.93
1974	.80
1975	.75
1976	.68
1977	.60
1978	.64
1979	.67
1980	.68

TABLE SHOWING TOTAL DISCHARGE OF ALL DRAINS

IN DRAINAGE DISTRICT #4, FOR 2,500 ACRES

	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTAL
AVERAGE DAILY FLOW IN SECOND FEET	20.23	18.80	21.53	18.80	24.03	23.26	21.40	21.15
TOTAL MONTHLY FLOW IN ACRE FEET	1214	1166	1292	1166	1490	1396	642	8366
ACRE FEET PER ACRE	.49	.47	.52	.47	.59	.56	.26	3.36

YEAR	ACRE FEET PER ACRE
1964	2.65
1965	2.28
1966	2.87
1967	3.10
1968	3.21
1969	2.70
1970	3.29
1971	3.64
1972	4.02
1973	3.10
1974	3.56
1975	3.52
1976	3.13
1977	3.47
1978	3.06
1979	3.38
1980	3.36

CHART NO. 17

SUMMARY TABLE IN SECOND FEET

SHOWING AVERAGE DAILY RETURN FLOW TO THE BOISE RIVER

FOR THE LAST 15 YEARS

MONTH	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
APRIL	1003	345	289	592	457	775	645	626	596	395	717	468	634	536	580
MAY	1226	702	927	1016	1063	1112	1192	949	1063	962	1067	945	906	967	1217
JUNE	1416	682	1017	1181	1205	1369	1365	1113	1196	1238	1392	853	1165	1138	1253
JULY	1088	802	1086	947	1107	1259	1282	1097	1233	1264	1327	858	1278	1222	1223
AUGUST	1064	867	1055	1010	1137	1294	1298	1102	1284	1387	1531	817	1279	1237	1306
SEPTEMBER	1169	735	910	1048	1345	1472	1462	1204	1389	1326	1519	955	1286	1144	1455
OCTOBER	1152	672	1028	1065	1136	1384	1364	1201	1282	1489	1117	875	1242	1072	1061
AVERAGE	1160	686	902	980	1073	1238	1230	1042	1149	1152	1239	824	1113	1044	1156

DISTRIBUTION OF DRAINAGE WATER
TO VARIOUS CANALS

CHART NO. 20

DRAINAGE DISTRICT NO. 2

	PERCENT OF TOTAL		PERCENT OF TOTAL
FARMERS UNION	20.99	CANYON COUNTY	12.68
BOISE VALLEY	10.03	BALLENTYNE	3.04
NEW DRY CREEK	9.47	BOISE CITY	3.01
NEW UNION	1.21	CONSUMERS	.11
MIDDLETON CANAL	35.00	LITTLE PIONEER	4.46

THE CREDITS GIVEN ABOVE ARE BASED ON A DRAINAGE FLOW OF 100 SECOND FEET.

JUDGE BRINK ORDERS, AUGUST, 1928, GIVES 90 INCHES ADDITIONAL TO FARMERS UNION.

DRAINAGE DISTRICT NO. 3

	PERCENT OF TOTAL		PERCENT OF TOTAL
BOARD OF CONTROL	49.00	ROSSI MILL	10.00
RIDENBAUGH	24.00	MEEVES	2.00
BUBB (SOUTH BOISE MUTUAL)	15.00		

THE CREDITS GIVEN ARE BASED UPON A DRAINAGE DISCHARGE OF 15 SECOND FEET.

DRAINAGE DISTRICT NO. 4

THURMAN MILL	570.98 INCHES
RIDENBAUGH	51.34 "
WARM SPRINGS SLOUGH	127.68 "

THE CREDITS ABOVE ARE BASED ON A DRAINAGE DISCHARGE OF 750 INCHES, AND THE AMOUNTS ARE A DIRECT COURT ORDER.

INTERVENORS - STEWART DECREE

CHART NO. 21

BOISE RIVER

NUMBER	DATE	NAME	CANAL	AMOUNT DECREED SEC. FT.	AMOUNT DECREED INCHES	DEPT. OF WATER ADMINISTRATION
8-A	4-1-1865	ADOLPH BAHLER	BAHLER	.80	40	63-0278
8-B	4-1-1865	FIRST NAT.BANK OF PUEBLO	BUBB	1.80	90	63-0280
8-C	1865	LOUISE SIMONSON	LEMP DITCH	6.00	300	63-0270
8-D	1865	S. G. HARDIES	BUBB	.50	25	63-0281
31-A	6-1-1866	WM. MUSSER	LAWRENCE & KENNEDY	2.30	115	63-0254
31-B	6-1-1866	MINNIE & JEREMIAH COUZENS	MIDDLETON WATER	.60	30	63-0255
31-C	6-1-1866	ALBERT C. BOWERMAN	LAWRENCE & KENNEDY	1.10	55	63-0001
35-A	6-1-1867	RALPH T. KNIGHT & ORA K. TILLER	CANYON COUNTY WATER CO.	1.76	88	63-0277
47-A	4-1-1870	ADOLPH BAHLER	BAHLER	.80	40	63-0279
50-A	1870	(S. G. HARDIES	BUBB	1.00	50	63-0282)
		(AMELIA EISLEY				63-0283)
59-A	5-1-1875	KARL F. & OTTO W. ROEDEL	INDIAN CREEK	3.20	160	63-0305
66-A	4-1-1878	J. S. KRAUSS	BALLENTYNE	.80	40	63-0265
66-C	4-1-1878	J. W. KOLANDER	BALLENTYNE	1.40	70	63-0289
66-D	4-1-1878	M. T. GRIFFITH	BALLENTYNE	.80	40	63-0264
71-A	4-1-1879	ISLAND HIGH LINE DITCH	ISLAND HIGH LINE DITCH	3.00	150	63-0291
73-A	4-1-1880	GOBLE & SONGER	NEW DRY CREEK	.54	27	63-0288
73-B	1880	ALBERT LEMP ET AL	BAXTER DITCH	3.20	160	63-0368
74-A	6-1-1880	C. B. FRANK	NEW DRY CREEK	1.816	90.8	63-0263
77-A	6-1-1881	GUS A. BARTH	PARMA DITCH CO.	1.60	80	63-0272
77-B	6-1-1881	CHARLES JURRIES	PARMA DITCH CO.	.34	17	63-0274
77-C	6-1-1881	JAMES FINLAY	PARMA DITCH CO.	.80	40	63-0275
77-D	6-1-1881	LESTER J. SHIPPY	PARMA DITCH CO.	1.30	65	63-0273
77-E	4-15-1882	ROC HELM	RIVERSIDE IRRIG. DIST.	3.674	183.70	63-0290
85-A	6-1-1882	LEO MARSTERS	WARM SPRINGS SLOUGH	1.76	88	63-0287
85-B	4-1-1883	JACOB BINGMAN	SETTLERS	1.00	50	63-0257
85-C	5-1-1883	WM. HUCKBA	NEW DRY CREEK	.2232	11.16	63-0259
85-D	5-1-1883	C. H. SCHMELZER	BALLENTYNE	.8256	41.28	63-0260
85-E	5-1-1883	C. W. MCCLURG	NEW DRY CREEK	.385	19.25	63-0261
106-A	3-1-1889	AMELIA EISLEY	BUBB	.84	42	63-0284
114-A	5-1-1889	NEIL & PATRICK O'DONNELL	O'DONNELL & BARTH	1.60	80	63-0276
114-B	5-1-1889	GUS A. BARTH	O'DONNELL & BARTH	.80	40	63-0271
116-A	6-1-1890	ANNA SPENCER	RIVERSIDE IRRIG. DIST.	.72	36	63-0266
116-B	6-1-1890	WILLIS B. SPENCER	RIVERSIDE IRRIG. DIST.	.10	5	63-0267
116-C	6-1-1890	REBECCA BELL	RIVERSIDE IRRIG. DIST.	.40	20	63-0268
123-A	4-15-1893	OTTO & MARIE MULLER	MIDDLETON MILL DITCH	1.60	80	63-0370
124-A	5-1-1893	W. D. CHARTERS	NEW DRY CREEK	.825	41.25	63-0258
129-A	4-1-1897	H. E. PLAIN	NEW DRY CREEK	.54	27	63-0286
136	5-1-1906	H. E. WIMER	BALLENTYNE	.392	19.6	63-0285
137	5-1-1909	B. P. WEAVERLING	MACE & MACE	1.76	88	63-0253
137-A	4-1-1910	ISLAND HIGH LINE DITCH	ISLAND HIGH LINE DITCH	7.00	350	63-0292
138	6-14-1912	WESLEY A. MACE	MACE & CATLIN	.44	22	63-0361
139	4-1-1915	ISLAND HIGH LINE DITCH CO.	ISLAND HIGH LINE DITCH	10.00	500	63-0293

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF DECREED RIGHTS ON BOISE RIVER

No. of Change of Point of Diversion	Point of Diversion From	Point of Diversion To	Dept. of Water Administration	Priority No.	Priority Date	Date of Change	Quantity in CFS	Quantity in Inches	By Whom Transferred	Remarks
12	Siemenens	Canyon Ditch	63-0138	9	6-1-1865	4-6-1912	.50	25	Henry Peck	
29	Caldwell High Line	Canyon County	63-0179	46	6-1-1869	8-26-1918	1.00	50	J. C. Hughes	
32	Davis	Davis Ditch	63-0122	119	6-1-1891	7-15-1919	.54	27	Davis Estate	
35	Pioneer Dixie	Riverside	63-0136	8	9-1-1864	4-3-1919	.72	36	Rebecca Bell	
			63-0137	45	6-1-1869		1.28	64		
36	Canyon County	Middleton Water	63-0168	35	6-1-1867	4-12-1918	.38	19	Draper, Bogle, Watt, Sumsion	Flake Ditch
36A	American Ditch	Pioneer Dixie	63-0233	96	10-1-1887	4-19-1909	2.00	100	C. H. Rosenberger	
38	Hart & Davis	Seven Suckers	63-0186	57	6-1-1872	9-24-1915	1.04	52	Shaffer, Blair, Jenkins, Parrott	
			63-0187	58	6-1-1872					
			63-0186	57	6-1-1872	6-12-1918			George Rambo	
			63-0187	58	6-1-1872					
39	Hart & Davis	Seven Suckers	63-0233	96	10-1-1887	3-18-1910	29.50	1475	American Ditch Assn.	
47	American Ditch	Eureka No. 2	63-0233	96	10-1-1887	3-31-1910	4.10	210	Nancy & William Nichols, C.W. Cooper	
48	American Ditch	Pioneer Dixie	63-0151	19	6-1-1865	3-31-1920	2.88	144	John Swisher	
50	Lower Center Point	Bowman & Swisher	63-0152	20	6-1-1865	3-31-1920	6.40	320	Bird Bowman	Foote & Wiseman
51	Lower Center Point	Bowman & Swisher	63-0168	35	6-1-1867	4-24-1920	1.11	55.5	H. G. Dudley	
54	Canyon County	Middleton Mill	63-0198	65	6-1-1877	12-2-1920	.60	30	Edward McClintock	
57	Middleton Water	Ballentyne	63-0165	31	6-1-1866	3-18-1921	2.60	130	Daniel W. Kennedy	
59	Kennedy	Canyon County	63-0255	318	6-1-1866	6-22-1921	.60	30	Minnie Couzens	
61	Kennedy & Lawrence	Middleton Water	63-0233	96	10-1-1887	11-14-1910	1.00	50	J. A. Cartright	
62	Pioneer Dixie	Eureka No. 2	63-0258	102	6-1-1888	12-21-1921	.20	10	Harry Seavey	
64	Ballentyne	New Dry Creek	63-0156	24	6-1-1865	3-14-1911	.80	40	J. D. Roland	
71	Upper Center Point	Eureka No. 2	63-0188	55	6-1-1887	11-25-1924	.50	25	De Tweede, Northwestern & Pacific Hypotheckbank	
75	Middleton Mill	Canyon County	63-0257	858	4-1-1883	3-12-1925	1.00	50	Jacob Bingman	
76	Thurman Drain	Settlers	63-0270	8A	4-1-1865	4-26-1925	.80	40	Adolph Bahler	
77	Bugg	Bahler	63-0279	47A	4-1-1870		.80	40		
			63-0189	85A	6-1-1882	4-29-1926	.72	36	Leo Marsters	
83	Main Springs Ditch	Settlers	63-0198	65	6-1-1877	3-9-1926	.80	40	J. C. Ralphs	
84	Middleton Water	Farmers Union	63-0156	24	6-1-1865	5-7-1926	.50	25	J. C. Bruce	New Diversion Point
85	Upper Center Point	Eureka No. 2	63-0203	71	6-1-1870	10-3-1928	11.96	598	Charles Jurries	
105	Parma Ditch	Parma Ditch	63-0209	74	6-1-1880					
			63-0272	77A	6-1-1880					
			63-0274	77B	6-1-1880					
			63-0275	77C	6-1-1880					
			63-0273	770	6-1-1880					
			63-0204	123	6-1-1894					
126	Lawrence & Kennedy	Middleton Water	63-0254	31A	6-1-1866	3-25-1931	2.30	115	William Musser	
127	Bowman & Swisher	Baxter Ditch	63-0152	20	6-1-1865	8-15-1930	.80	40	William Baxter	
131	Eureka No. 2	Lower Center Point	63-0223	89	11-9-1883	1-16-1932	.70	35	R. E. McGuire	
140	Ballentyne	New Dry Creek	63-0250	850	3-1-1883	4-11-1934	.06	3	Charles H. Schmelzer	Below Fairview Bridge
141	Fischer Power	Fischer Power	63-2093		12-26-1908	12-18-1934	200.00	10000	Fischer Power Only	
147	Middleton Mill	Canyon County	63-0168	35	6-1-1867	1-8-1936	.20	10	Cora M. Clifton	
148	Pioneer Dixie	Upper Center Point	63-0233	96	10-1-1887	4-17-1936	3.00	150	Dora Greer	
151	New Dry Creek	Ballentyne	63-0258	124A	5-1-1893	2-28-1937	.135	6.75	J. H. Cone	
152	Bahler Ditch	Ridenbaugh	63-0279	47A	4-1-1870	5-15-1937	.80	40	Adolph Bahler	
153	Rein-Reoh-Bahler	Ridenbaugh	63-0249	127	5-1-1893	5-15-1937	1.00	50	Adolph Bahler	
154	Bahler Ditch	Ridenbaugh	63-0278	8A	4-1-1865	5-15-1937	.80	40	Adolph Bahler	
159	Upper Center Point	Eureka No. 2	63-0156	24	6-1-1865	5-27-1939	.10	5	Raymond T. Breshears	
161	Ballentyne	New Dry Creek	63-0239	105	6-1-1888	5-5-1940	.65	32.5	Norman L. Barker	
166	Eureka No. 2	Pioneer Dixie	63-0233	96	10-1-1887	4-21-1941	.60	30	D. W. Baldwin	
171	Eureka No. 2	Eureka No. 2	63-0223	89	11-9-1883	2-26-1943	21.70	1085	Raymond T. Breshears	New Diversion Point
			63-0233	96	10-1-1887		29.50	1475		
			63-0156	24	6-1-1865		1.30	65		

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF DECREED RIGHTS ON BOISE RIVER

CHART NO. 22

NO. OF CHANGE OF POINT OF DIVERSION	POINT OF DIVERSION FROM	POINT OF DIVERSION TO	DEPT. OF WATER ADMINISTRATION	PRIORITY NO.	PRIORITY DATE	DATE OF CHANGE	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED	REMARKS
172	UPPER CENTER POINT	UPPER CENTER POINT	(63-0155	(23	6-1-1865	2-26-1943	12.72	6360	HARRY VAIL	NEW DIVERSION POINT
			(63-0156	(24	6-1-1865					
			(63-0157	(25	6-1-1865					
			(63-0158	(26	6-1-1865					
			(63-0159	(27	6-1-1865					
			(63-0233	(96	10-1-1887		3.00	150		
174	BALLENTYNE	NEW DRY CREEK	63-0239	103	6-1-1888	3-28-1944	.24	12	FRANK M. RAY	
175	RIVERSIDE	EUREKA NO. 2	63-0222	88	6-1-1883	4-11-1944	1.70	85	WILBUR BRESHEARS	
176	MANNON DITCH	HAAS DITCH	63-0202	70	6-1-1878	4-18-1944	8.80	440	CHARLOTTIE D. ALLEN	
179	MACE CATLIN	SEVEN SUCKERS	(63-0132	(5	6-1-1864	3-31-1945	.168	8.4	IDAHO FISH & GAME DEPT.	
			(63-0133	(52	6-1-1871		.072	3.6		
224	EUREKA NO. 2	BOWMAN & SWISHER	(63-0223	(89	11-9-1883	9-3-1954	.70	35	J. E. HOUSTON	
			(63-0233	(96	10-1-1887		.20	10		
227	O'DONNELL	BOISE RIVER	63-0276	114A	5-1-1889	12-17-1954	1.60	80	A. C. CRAMFORTH	PUMPED FROM RIVER
243	BOISE RIVER	BOISE VALLEY	63-2360	LICENSE#15242	7-19-1921	6-30-1958	1.20	60	MARIE ECHEVARRIA & I.N.KESSINGER	(FORMERLY DIVERTED FROM A SLOUGH)
245	EUREKA NO. 2	LOWER CENTER POINT	63-0223	89	11-9-1883	6-30-1958	.60	30	J. E. EKBERG	
254	ROBIE CREEK	ROBIES CREEK	63-2036	LICENSE#1968	5-1-1906	12-20-1961	4.00	200	HARVEY BURNETT	
257	O'DONNELL	PAHMA DITCH	63-0271	114B	5-1-1889	10-10-1962	.80	40	BERT L. TREDWAY	O'DONNELL DITCH WASHED AWAY
287	EUREKA NO. 2	LOWER CENTER POINT	63-0223	89	11-9-1883	1-18-1966	1.40	70	JOHN E. EKBERG	
299	EUREKA NO. 2	UPPER CENTER POINT	63-0223	89	11-9-1883	3-18-1966	.50	25	EARL GILES	
305	REEVES NO. 1	REEVES NO. 2	63-0185	33	6-1-1871	6-10-1968	1.80	90	CHARLES LITTLE	
1575	LAWRENCE & KENNEDY	LITTLE PIONEER	63-0001	31C	6-1-1866	9-23-1968	1.10	55	HILTON SPARKS	
1647	THURMAN MILL	BOISE RIVER	63-0213	80	6-1-1882	12-7-1970	1.60	80	CLARENCE T. LARSON	PUMPED FROM RIVER
1711	RIDENBAUGH	SETTLERS	63-0199 (PART)	67	5-1-1878	7-3-1975	.40	20	CECIL A. THOMAS	NEW DIVERSION POINT

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

NO. OF TRANSFER	POINT OF DIVERSION FROM	POINT OF DIVERSION TO	DEPT. OF WATER ADMINISTRATION	PRIORITY NO.	PRIORITY DATE	DATE OF TRANSFER	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED	REMARKS
38	AMERICAN DITCH ASSN.	CANYON DITCH	63-0233	96	10-1-1887	9-1-1909	12.10	605	WM. R. MESSLER	
46	BARBER LUMBER CO.	PENITENTIARY	63-0184	50	6-1-1870	2-4-1910	2.24	112	BARBER LUMBER CO.	
105	SIEBENBERG	CANYON DITCH	63-0138	9	6-1-1865	9-18-1912	.50	25	H. E. REEK	
111	EUREKA NO. 2	HILLCREST	(63-0233	(96	10-1-1887	11-25-1912	1.20)	60)	H. L. RANDALL ET AL	
	PIONEER DIXIE	"	(63-0136	(8	9-1-1864		20.34)	1017)		
	" "	"	(63-0137	(45	6-1-1869					
136	JACOBS	FARMERS UNION	63-0123	2	6-1-1864	6-8-1914	20.00	1000	BOISE FRUIT TRACT CO.	
219	PIONEER IRRIGATION DIST.	PIONEER IRRIGATION DIST.				7-15-1918	8.64	432	PIONEER IRRIGATION DISTRICT	LICENSED RIGHT INDIAN CREEK
300	MIDDLETON MILL	NEW DRY CREEK	(63-0124	(3	6-1-1864	4-20-1921	.35	17.5	EMMA M. FOWLER	
			(63-0125	(54	6-1-1871					
			(63-0126	(120	6-1-1891					
301	MIDDLETON MILL	NEW DRY CREEK	(63-0124	(3	6-1-1864	4-20-1921	1.54	77	JOHN F. GROOME	
			(63-0125	(54	6-1-1871					
			(63-0126	(120	6-1-1891					
347	MIDDLETON MILL	SETTLERS	63-0124	3	6-1-1864	2-6-1925	.14	7	C. E. WHITE	
349	MIDDLETON MILL	SETTLERS	63-0124	3	6-1-1864	2-6-1925	.14	7	FRANK WEASEL	
350	MIDDLETON MILL	SETTLERS	63-0124	3	6-1-1864	2-6-1925	.14	7	CARL A. GISH	
357	MIDDLETON WATER	SETTLERS	63-0198	65	6-1-1877	5-5-1925	.20	10	NELLIE B. WHITAKER	
370	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	3-16-1926	1.125	56.2	HENRY W. BARTLETT	
373	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	4-26-1926	.375	18.7	L. A. RICE	
374	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	5-6-1926	.40	20	H. D. PARKS	
375	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	5-6-1926	.20	10	A. G. WIMB	
384	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	7-8-1926	.40	20	MARY F. LEACH	
385	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	7-8-1926	.266	13.3	H. E. MCCONNELL	
386	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	7-8-1926	.40	20	H. W. BARTLETT	
387	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	7-8-1926	.40	20	E. E. SMITH	
391	MIDDLETON MILL	FARMERS UNION	(63-0124	(3	6-1-1864	8-13-1926	.15	7.5	RUSH CHASE	
			(63-0125	(54	6-1-1871					
392	MIDDLETON WATER	RIDENBAUGH	63-0198	65	6-1-1877	8-21-1926	.40	20	FRED EGGERS	
393	MIDDLETON MILL	FARMERS UNION	(63-0124	(3	6-1-1864	9-15-1926	.288	14.4	A. C. BOWERMAN	
			(63-0125	(54	6-1-1871					
			(63-0126	(120	6-1-1891					
395	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	11-16-1926	.50	25	G. R. MCGUIRE	
412	THURMAN MILL	SETTLERS	63-0214	81	6-1-1882	12-3-1927	.40	20	CHAS. P. MACE	
450	FARMERS UNION	SETTLERS	63-0198	65	6-1-1877	7-2-1928	.25	12.5	O. E. ALLISON	FORMERLY MIDDLETON WATER
466	RIDENBAUGH	NEW YORK	63-0200	106	8-20-1888	7-6-1929	8.90	445	W. H. TULLER	
512	JACOBS CANAL	FARMERS UNION	63-0120	1	6-1-1864	5-27-1932	1.00	50	W. SCOTT ANDERSON	
513	JACOBS CANAL	FARMERS UNION	63-0120	1	6-1-1864	5-27-1932	.50	25	FARMERS UNION DITCH	
530	JACOBS CANAL	FARMERS UNION	63-0120	1	6-1-1864	5-15-1934	.30	15	A. B. WHITNEY	
595	JACOBS CANAL	NAMPA MERIDIAN	63-0120	1	6-1-1864	9-9-1938	.20)	10)	BOISE TRUST CO.	SOMERHEIR
	" "	SETTLERS					.20)	10)		FALK
608	RIVERSIDE	PIONEER DIXIE	63-0222	88	6-1-1883	4-29-1940	1.00	50	W. F. TRACY	
644	RIVERSIDE	PIONEER DIXIE	63-0222	88	6-1-1883	12-9-1942	.70	35	S. E. SMITH	
654	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	10-18-1943	2.00	100	W. W. HOWELL	LARSON-HAMMING-BUDGE TRACTS
660	RIVERSIDE	PIONEER DIXIE	63-0222	88	6-1-1883	4-11-1944	.60	30	D. W. BALDWIN	
694	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-29-1946	.68	34	W. W. HOWELL	EARL-FENKES-STARK-KYLE
701	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	12-20-1946	2.00	100	W. W. HOWELL	REX JENSEN (BOISE-KUNA IRRIG.)
702	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	12-20-1946	.60	30	W. W. HOWELL	MRS. EDITH CURTIS
712	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	6-14-1947	.90	45	W. W. HOWELL	SIMPSON-DEMOND-SIMPSON
713	CONSUMERS	NEW DRY CREEK	63-0161	30	5-1-1866	6-14-1947	.54	27	W. W. HOWELL	J. S. BEEBE
717	SIEBENBERG	FARMERS CO-OP.	63-0138	9	6-1-1865	11-25-1947	.64	32	R. H. TUCKER	
720	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	5-4-1948	1.34	67	W. W. HOWELL	DOTY-ERQUIAGA-ODERMOTT-CALDWELL-STEELE-ROYLANCE

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

CHART NO. 23

NO. OF TRANSFER	POINT OF DIVERSION FROM	POINT OF DIVERSION TO	DEPT. OF WATER ADMINISTRATION	PRIORITY NO.	PRIORITY DATE	DATE OF TRANSFER	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED	REMARKS
736	THURMAN MILL	SETTLERS	63-0170	37	6-1-1868	3-9-1949	1.00	50	AIRCRAFT SERVICE CO.	
737	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	3-9-1949	1.10	55	W. W. HOWELL	
739	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-2-1949	.15	7.5	W. W. HOWELL	
753	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-14-1950	.46	23	J. R. FIELD	8" HAGER TRACT, 15" KIMBLE TRACT
754	CONSUMERS	MIDDLETON MILL	63-0161	30	5-1-1866	4-14-1950	.40	20	J. R. FIELD	BRINK TRACT
790	HILLCREST	NEW YORK	{ 63-0136	{ 8	9-1-1864	3-28-1952	21.54	1077	FOREST SOWER	
			{ 63-0137	{ 45	6-1-1869					
			{ 63-0233	{ 96	10-1-1887					
823	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	7-13-1954	6.00	300	G. S. TAYLOR	BOISE-KUNA IRRIGATION DIST.
829	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	9-3-1954	.48	24	G. S. TAYLOR	10"-GOLDEN KENT, 14"-EDMUND BUCKLEY
871	THURMAN MILL	SETTLERS	63-0169	36	6-1-1868	10-2-1956	.288	14.4	J. FRANK BRYCE	
872	THURMAN MILL	SETTLERS	63-0169	36	6-1-1868	10-2-1956	.22	11	GEORGE D. KEYSER, JR.	
873	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	10-2-1956	.20	10	G. S. TAYLOR	THEODORE L. JOHNSON TRACT
890	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-11-1957	.10	5	FRANCIS H. NEITZEL	R. S. POTTER TRACT
906	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-3-1958	.10	5	FRANK NEITZEL	R. W. WHITE TRACT
917	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	12-15-1958	.20	10	FRANCIS H. NEITZEL	MAW-SPRAGUE TRACT
918	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	12-15-1958	.025	1.25	FRANCIS H. NEITZEL	H. P. IRBY TRACT
940	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-15-1960	.05	2.5	FRANK NEITZEL	EARL M. & DELLA LUNEHART TRACT
976	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	1-17-1962	1.50	75	G. S. TAYLOR	SUNNS FRUIT RANCH, INC.
977	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	1-17-1962	.20	10	G. S. TAYLOR	EVERET RAMBO TRACT
979	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-23-1962	.10	5	G. S. TAYLOR	R. E. & DAISY M. THOMPSON TRACT
980	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-23-1962	.12	6	G. S. TAYLOR	CHESNEY LITTLE TRACT
989	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	5-29-1962	.20	10	G. S. TAYLOR	THERION E. CHRISTENSEN TRACT
990	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-5-1962	.08	4	G. S. TAYLOR	LYLE F. TRAPP TRACT
991	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-5-1962	.16	8	G. S. TAYLOR	CHARLES G. HYDE TRACT
1007	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	4-17-1963	1.00	50	G. S. TAYLOR	GLENN DRAPER
1009	NEW DRY CREEK	DRAIN DITCH	63-0200	73-A	4-1-1880	5-16-1963	.10	5	NEW DRY CREEK	R. B. BETTY
1010	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	6-24-1963	2.00	100	G. S. TAYLOR	JOHN DODSON
1011	CONSUMERS	RIVER	63-0161	30	5-1-1866	6-3-1963	3.00	150	G. S. TAYLOR	SURPRISE VALLEY FARMS
1017	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	9-28-1963	.60	30	G. S. TAYLOR	FRANCIS HERMAN TRACT
1035	CONSUMERS	MORES CREEK	63-0161	30	5-1-1866	9-4-1964	2.00	100	G. S. TAYLOR	CARL NICHOLSON
1038	CONSUMERS	PHYLLIS	63-0161	30	5-1-1866	10-28-1964	21.715	1085.75	G. S. TAYLOR	PIONEER IRRIGATION DIST.
1048	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	5-18-1965	.0875	4.38	BOISE CITY CANAL	LEATHERMAN & BINGMAN
1059	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	10-28-1965	.10	5	BOISE CITY CANAL	W. T. & HATTIE M. SPRINGER
1074	MORES CREEK	NEW YORK	63-0161	30	5-1-1866	10-13-1966	2.00	100	CARL NICHOLSON	AVALON ORCHARD TRACTS
1855	MANVILLE & LEONARD	FARMERS UNION	63-01648	32	6-1-1866	11-17-1975	1.80	90.0	SYRINGA GARDENS	

STEWART DECREE

CHART NO. 24

BOISE RIVER

NUMBER	DATE	NAME	AMOUNT DECREED SEC. FT.	AMOUNT DECREED INCHES	DEPT. OF WATER ADMINISTRATION
1	6-1-1864	THOMAS DAVIS	2.20	110	63-0120
2	6-1-1864	JACOBS CANAL CO.	20.00	1000	63-0123
3	6-1-1864	MIDDLETON MILL DITCH	12.80	640	63-0124
4	6-1-1864	THOMAS ANDREWS	3.30	165	63-0127
5	6-1-1864	CATLIN & MACE	2.86	143	63-0132
6	6-1-1864	T. C. CATLIN	3.30	165	63-0134
7	6-1-1864	C. C. HAVIRD	3.30	165	63-0135
8	9-1-1864	PIONEER DIXIE DITCH CO.	20.00	1000	63-0136
9	6-1-1865	SIEBENBERG DITCH CO.	13.42	671	63-0138
10	6-1-1865	ALLEN V. WEBSTER	1.20	60	63-0139
11	6-1-1865	J. F. YARYAN	.66	33	63-0141
12	6-1-1865	GRAHAM & GILBERT	4.40	220	63-0144
13	6-1-1865	EUREKA WATER CO.	33.32	1666	63-0145
14	6-1-1865	NEW UNION DITCH CO.	13.76	688	63-0146
15	6-1-1865	BOISE VALLEY IRRIGATION DITCH CO.	54.58	2729	63-0147
16	6-1-1865	RIDENBAUGH & ROSSI	9.20	460	63-0148
17	6-1-1865	RIDENBAUGH & ROSSI (POWER)	265.80	13290	63-0149
18	6-1-1865	DENVER & IDAHO LAND CO.	.80	40	63-0150
19	6-1-1865	MARTHA BOWMAN	2.88	144	63-0151
20	6-1-1865	BIRD BOWMAN	6.40	320	63-0152
21	6-1-1865	G. W. GESS	2.90	145	63-0153
22	6-1-1865	ROBERT MCGUIRE	3.20	160	63-0154
23	6-1-1865	C. W. COOPER	3.20	160	63-0155
24	6-1-1865	J. W. ROLAND	2.40	120	63-0156
25	6-1-1865	DRAPER & WELLS	3.94	197	63-0157
26	6-1-1865	THOMAS J. PALMER	1.60	80	63-0158
27	6-1-1865	NOAH W. PALMER	1.58	79	63-0159
28	6-1-1865	J. N. TUCKER	7.00	350	63-0160
29	6-1-1865	THOMAS ANDREWS	6.00	300	63-0128
30	5-1-1866	J. PERRAULT & R. JOHNSON	50.00	2500	63-0161
31	6-1-1866	WILLIAM P. KENNEDY	2.60	130	63-0163
32	6-1-1866	MANVILLE & LEONARD	3.50	175	63-0164
33	6-1-1866	BOISE CITY CANAL CO.	38.06	1903	63-0165
34	7-3-1866	FRANKLIN DITCH CO.	15.40	770	63-0166
35	6-1-1867	CANYON COUNTY WATER CO.	75.80	3790	63-0168
36	6-1-1868	MARTHA E. MCCARTY	14.10	705	63-0169
37	6-1-1868	H. D.& DORA GOODMAN	3.70	185	63-0170
38	6-1-1868	T. T. JOHNSON	3.20	160	63-0171
39	6-1-1868	ROSS, ALLEN, DILLEY & ROSS	8.54	427	63-0172
40	6-1-1868	S. S. GRAY	1.40	70	63-0173
41	6-1-1869	JOHN MAMMON	1.80	90	63-0174
42	6-1-1869	ISAAC BEDAL	1.60	80	63-0176
43	6-1-1869	FREDERICK ODE	3.60	180	63-0177
44	6-1-1869	PRIOR BURNETT	8.50	425	63-0178
45	6-1-1869	PIONEER DIXIE DITCH CO.	35.44	1772	63-0137

STEWART DECREE

BOISE RIVER

NUMBER	DATE	NAME	AMOUNT DECREED SEC. FT.	AMOUNT DECREED INCHES	DEPT. OF WATER ADMINISTRATION
46	6-1-1869	MASON CREEK DITCH CO.	37.20	1860	63-0179
47	6-1-1869	T. W. BOONE	3.50	175	63-0180
48	6-1-1870	W. J. HAMMING	2.60	130	63-0182
49	6-1-1870	PIONEER CANAL	25.72	1286	63-0183
50	6-1-1870	BARBER LUMBER CO.	2.24	112	63-0184
51	6-1-1870	THOMAS ANDREWS	1.30	65	63-0129
52	6-1-1871	CATLIN & MACE	7.86	393	63-0133
53	6-1-1871	PETER MEEVES	1.80	90	63-0185
54	6-1-1871	MIDDLETON MILL DITCH CO.	33.70	1685	63-0125
55	6-1-1872	J. F. YARYAN	.70	35	63-0142
56	6-1-1872	J. F. YARYAN	1.40	70	63-0143
57	6-1-1872	MARY C. DAVIS	4.40	220	63-0186
58	6-1-1872	EDWARD N. HART	3.30	165	63-0187
59	6-1-1874	T. W. BOONE	2.20	110	63-0181
60	6-1-1875	FARMERS COOPERATIVE DITCH CO.	10.00	500	63-0188
61	6-1-1876	EDWARD & MARY CLARK	2.30	115	63-0192
62	6-1-1876	JOHN CECIL	.44	22	63-0193
63	6-1-1877	THOMAS AIKENS	5.20	260	63-0194
64	6-1-1877	W. H. CONWAY	.90	45	63-0196
65	6-1-1877	MIDDLETON WATER CO.	114.08	5704	63-0198
66	7-1-1877	PERRAULT & JOHNSON (POWER)	200.00	10000	63-0162
67	5-1-1878	NAMPA MERIDIAN IRRIGATION DISTRICT	170.00	8500	63-0199
68	6-1-1878	JOHN MAMMON	4.20	210	63-0175
69	6-1-1878	JULIA MAMMON	3.36	168	63-0201
70	6-1-1878	CHARLES ALLEN	8.80	440	63-0202
71	6-1-1878	R. H. STOCKTON	4.40	220	63-0203
72	6-1-1879	NEW DRY CREEK DITCH CO.	31.32	1566	63-0205
73	6-1-1879	D. MUMFORD	4.00	200	63-0208
74	6-1-1880	SMITH STOCKTON	1.76	88	63-0209
75	7-1-1880	ISHAM JOPLIN	2.40	120	63-0210
76	10-20-1880	JOSEPH GOBLE	.90	45	63-0211
77	10-29-1880	FRANKLIN DITCH CO.	27.60	1380	63-0167
78	6-1-1882	ALLEN V. WEBSTER	.90	45	63-0140
79	6-1-1882	SUSIE CAMPBELL	.60	30	63-0212
80	6-1-1882	J. T. BARBER	1.60	80	63-0213
81	6-1-1882	SONORA JOPLIN	3.40	170	63-0214
82	6-1-1882	S. W. HUTCHINSON	.44	22	63-0217
83	6-1-1882	JOHNSON	.44	22	63-0218
84	6-1-1882	ANDREW J. JOPLIN	2.86	143	63-0219
85	6-1-1882	JAMES L. GRAHAM	2.20	110	63-0220
86	6-1-1883	FARMERS COOPERATIVE DITCH CO.	20.00	1000	63-0189
87	6-1-1883	FRANCIS M. JOPLIN	.90	45	63-0221
88	6-1-1883	W. A. BLACK	12.00	600	63-0222
89	11-9-1883	EUREKA DITCH CO. NO. 2	21.70	1085	63-0223
90	6-1-1884	PIONEER IRRIGATION DISTRICT	53.10	2655	63-0371

STEWART DECREE

CHART NO. 24

BOISE RIVER

NUMBER	DATE	NAME	AMOUNT DECREED SEC. FT.	AMOUNT DECREED INCHES	DEPT. OF WATER ADMINISTRATION
91	6-1-1884	RIVERSIDE IRRIGATION DISTRICT	20.00	1000	63-0226
92	10-17-1884	SETTLERS CANAL CO.	99.06	4953	63-0230
93	6-1-1886	NEW DRY CREEK DITCH	15.22	761	63-0206
94	6-1-1886	THOMAS DAVIS	13.40	670	63-0121
95	1-23-1887	WM. C., L. & E. YOUNG	4.00	200	63-0232
96	10-1-1887	AMERICAN DITCH ASSOCIATION	47.80	2390	63-0233
97	6-1-1888	NEW DRY CREEK DITCH CO.	7.86	393	63-0207
98	6-1-1888	A. V. LINDER	4.00	200	63-0234
99	6-1-1888	LEVI SMITH	1.30	65	63-0235
100	6-1-1888	CHARLOTTE CALHOUN	1.40	70	63-0236
101	6-1-1888	ED. J. LINDER	1.46	73	63-0237
102	6-1-1888	LIZZIE EVERETT	1.20	60	63-0238
103	6-1-1888	JESSE WILSON	1.40	70	63-0239
104	6-1-1888	THOMAS ANDREWS	.90	45	63-0130
105	7-1-1888	FARMERS COOPERATIVE DITCH CO.	50.00	2500	63-0190
106	8-20-1888	NAMPA MERIDIAN IRRIGATION DISTRICT	370.84	18542	63-0200
107	5-1-1889	CHARLES H. MILLER	.06	3	63-0240
108	5-1-1889	LOOMIS L. HOSLEY	.02	1	63-0241
109	5-1-1889	S. J. UTTER & C. B. TAYLOR	2.40	120	63-0242
110	5-1-1889	SOUTH BOISE MUTUAL IRRIGATION CO.	6.00	300	63-0243
111	5-1-1889	ESTATE OF J. H. GALLAGHER	2.94	147	63-0244
112	5-1-1889	ANNIE H. FOGARTY	.05	2.5	63-0245
113	5-1-1889	GRACE CALL	.10	5	63-0246
114	5-1-1889	SAMUEL H. CANFIELD	.03	1.5	63-0247
115	6-1-1889	SONORA JOPLIN	.06	3	63-0215
116	6-1-1889	SONORA JOPLIN	1.20	60	63-0216
117	9-1-1890	PIONEER IRRIGATION DISTRICT	200.00	10000	63-0224
118	6-1-1891	W. H. CONWAY	2.20	110	63-0197
119	6-1-1891	THOMAS DAVIS	.54	27	63-0122
120	6-1-1891	MIDDLETON MILL DITCH CO.	17.00	850	63-0126
121	6-1-1891	THOMAS ANDREWS	3.50	175	63-0131
122	6-1-1891	SETTLERS CANAL CO.	73.44	3672	63-0231
123	6-1-1891	THOMAS AIKEN	.80	40	63-0195
124	5-1-1893	RIVERSIDE IRRIGATION DISTRICT	80.00	4000	63-0227
125	6-1-1894	R. H. STOCKTON	1.76	88	63-0204
126	7-2-1894	FARMERS UNION DITCH CO.	110.00	5500	63-0248
127	5-1-1895	CHARLES REIN & JANE KEOH	1.00	50	63-0249
128	7-1-1895	MATHEW CASEY	.66	33	63-0250
129	7-1-1896	FARMERS COOPERATIVE DITCH CO.	83.50	4175	63-0191
130	10-1-1899	RIVERSIDE IRRIGATION DISTRICT	20.00	1000	63-0228
131	3-23-1900	NEW YORK CANAL CO.	219.10	10955	63-0251
132	5-17-1900	CANYON DITCH CO.	10.00	500	63-0369
133	6-1-1901	RIVERSIDE IRRIGATION DISTRICT	70.00	3500	63-0229
134	10-25-1901	CANYON DITCH CO.	5.54	277	63-0252
135	4-1-1904	PIONEER IRRIGATION DISTRICT	56.34	2817	63-0225

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	INTERVENORS: STEWART DECREE	INTERVENORS: BRYAN DECREE	INCHES	TOTAL SEC. FT.
AIKEN									
			63	6-1-1877	5.20			260	
			73-A	4-1-1880	.10			5	5.30
ANDREWS DITCH									
			4	6-1-1864	3.30			165	
			29	6-1-1865	6.00			300	
			44	6-1-1869	8.50			425	
			51	6-1-1870	1.30			65	
			104	6-1-1888	.90			45	
			121	6-1-1891	3.50			175	23.50
BALLENTYNE									
			98	6-1-1888	4.00			200	
			99	6-1-1888	1.30			65	
			100	6-1-1888	1.40			70	
			101	6-1-1888	1.46			73	
			102	6-1-1888	1.20			60	
			103	6-1-1888	1.40			70	
			123	6-1-1891	.80			40	
			66-A	4-1-1878		.80		40	
			66-C	4-1-1878		1.40		70	
			66-D	4-1-1878		.80		40	
			85-D	5-1-1883		.8256		41.28	
			136	5-1-1906		.392		19.6	
	57		65	6-1-1877	.60			30	
	64*		102	6-1-1888	.20*			10*	
	140*		85-D	5-1-1883		.07*		3.5*	
	151		124-A	5-1-1893		.135		6.75	
	161*		103	6-1-1888	.65*			32.5*	
	174*		103	6-1-1888	.24*			12*	15.3526
BAXTER			73-B	1880		3.20		150	
	127		20	6-1-1865	.80			40	4.00
BOISE CITY			33	6-1-1866	38.06			1903	
		370*	33	6-1-1866	1.124*			56.2*	
		373*	33	6-1-1866	.374*			18.7*	
		1048*	33	6-1-1866	.0875*			4.375*	
		1059*	33	6-1-1866	.10*			5*	36.3745

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
BOISE VALLEY			15	6-1-1865	54.58			2729	
LICENSED RIGHT #15242		243		7-19-1921			(1.20)	60	55.78
BOONE DITCH			28	6-1-1865	7.00			350	
			47	6-1-1869	3.50			175	
			59	6-1-1874	2.20			110	12.70
BOWMAN & SWISHER	50		19	6-1-1865	2.88			144	
	51		20	6-1-1865	6.40			320	
	127*		20	6-1-1865	.80*			40*	
	224		89	11-9-1883	.20			45	9.38
			96	10-1-1887	.70				
BUBB (SOUTH BOISE MUTUAL)			107	5-1-1889	.06			3	
			108	5-1-1889	.02			1	
			109	5-1-1889	2.40			120	
			110	5-1-1889	6.00			300	
			111	5-1-1889	2.94			147	
			112	5-1-1889	.05			2.5	
			113	5-1-1889	.10			5	
			114	5-1-1889	.03			1.5	
			8-B	4-1-1865		1.80		90	
			8-D	4-1-1865		.50		25	
			50-A	1870		1.00		50	
			106-A	3-1-1889		.84		42	
				4-1-1905			5.40	270	21.14

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
CALDWELL HIGH LINE			34	6-1-1866	15.40			770	
			46	6-1-1869	37.20			1860	
			77	10-29-1880	27.60			1380	
	29*		46	6-1-1869	1.00*			50*	79.20
CAMPBELL (CANYON DITCH CO.)			132	5-17-1900	10.00			500	
			134	10-25-1901	5.54			277	
		38	96	10-1-1887	12.10			605	
		105	9	6-1-1865	.50			25	28.14
CANYON COUNTY			35	6-1-1867	75.80			3790	
			35-A	6-1-1867		1.76		88	
	29		46	6-1-1869	1.00			50	
	36*		35	6-1-1867	.38*			19*	
	54*		35	6-1-1867	1.11*			55.5*	
	59		31	6-1-1866	2.60			130	
	75		35	6-1-1867	.50			25	
	147		35	6-1-1867	.20			10	80.37
CONWAY & HAMMING			48	6-1-1870	2.60			130	
			64	6-1-1877	.90			45	
			118	6-1-1891	2.20			110	5.70
DAVIS			94	6-1-1886	13.40			670	
(LITTLE DAVIS)			119	6-1-1891	.54			27	13.94
EUREKA NO. 1			13	6-1-1865	33.32			1666	33.32

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
EUREKA No. 2			89	11-9-1883	21.70			1085	
	47		96	10-1-1887	29.50			1475	
	62		96	10-1-1887	1.00			50	
	71		24	6-1-1865	.80			40	
	85		24	6-1-1865	.50			25	
		111*	96	10-1-1887	1.20*			60*	
	131*		89	11-9-1883	.70*			35*	
	159		24	6-1-1865	.10			5	
	175		88	6-1-1883	1.70			85	
	224*		89	11-9-1883	.20*			10*	
			96	10-1-1887	.70*			35*	
	225*		89	11-9-1883	.60*			30*	
	287*		89	11-9-1883	1.40*			70*	
	289*		89	11-9-1883	.50*			25*	50.00
FARMERS UNION			126	7-2-1894	110.00			5500	
		136	2	6-1-1864	20.00			1000	
		370	33	6-1-1866	1.124			56.2	
		373	33	6-1-1866	.374			18.7	
		374	65	6-1-1877	.40			20	
		375	65	6-1-1877	.20			10	
		384	65	6-1-1877	.40			20	
		385	65	6-1-1877	.266			13.3	
		386	65	6-1-1877	.40			20	
		387	65	6-1-1877	.40			20	
		391	3)	6-1-1864					
			54)	6-1-1871	.15			7.5	
		393	3)	6-1-1864					
			54)	6-1-1871	.288			14.4	
			120)	6-1-1891					
		395	65	6-1-1877	.50			25	
		430*	65	6-1-1877	.25*			12.5*	
	84		65	6-1-1877	.80			40	
		512	1	6-1-1864	1.00			50	
		513	1	6-1-1864	.50			25	
		530	1	6-1-1864	.30			15	
				7-2-1894		54.46		2723	
		1048	33	6-1-1866	.0875			4.375	
		1059	33	6-1-1866	.10			5	
		1855	32	6-1-1866	1.80			90	
GRAHAM & GILBERT			12	6-1-1865	4.40			220	4.40

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	INTERVENORS: STEWART DECREE	INTERVENORS: BRYAN DECREE	INCHES	TOTAL SEC. FT.
HAAS DITCH	176		39	6-1-1868	8.54			427	
			70	6-1-1878	8.80			440	17.34
HART & DAVIS			6	6-1-1864	3.30			165	
			57	6-1-1872	4.40			220	
			58	6-1-1872	3.30			165	
	38*)		57	6-1-1872	.54*			27*	
	39*)		58	6-1-1872	.50*			25*	9.96
ISLAND HIGH LINE			71-A	4-1-1879		3.00		150	
			137-A	4-1-1910		7.00		350	
			139	4-1-1915		10.00		500	20.00
LEMP DITCH			8-C	1865		6.00		300	6.00
LITTLE PIONEER			49	6-1-1870	25.72			1286	
	1575		31-C	6-1-1866		1.10		55	26.82
LOWER CENTER POINT			19	6-1-1865	2.88			144	
			20	6-1-1865	6.40			320	
			21	6-1-1865	2.90			145	
			22	6-1-1865	3.20			160	
			38	6-1-1868	3.20			160	
			43	6-1-1869	3.60			180	
			73	6-1-1879	4.00			200	
			19	6-1-1865	2.88*			144*	
		50*	20	6-1-1865	6.40*			320*	
		51*	89	11-9-1883	.70			35	
		131	89	11-9-1883	.60			30	
		245	89	11-9-1883	1.40			70	19.60
		287							

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	INTERVENORS: STEWART DECREE	INTERVENORS: BRYAN DECREE	INCHES	TOTAL SEC. FT.
MACE CATLIN			5	6-1-1864	2.86			143	
			52	6-1-1871	7.86			393	
	179*		5)	6-1-1864	.168*			8.4	
			52)	6-1-1871	.072*			3.6	
			138	6-14-1912		.44		22	10.92
MACE & MACE			137	5-1-1909		1.76		88	1.76
MAMMON			41	6-1-1869	1.80			90	
			68	6-1-1878	4.20			210	
			69	6-1-1878	3.36			168	
			70	6-1-1878	8.80			440	
	176*		70	6-1-1878	8.80*			440*	9.36
MIDDLETON MILL			3	6-1-1864	12.80			640	
			40	6-1-1868	1.40			70	
			54	6-1-1871	33.70			1685	
			120	6-1-1891	17.00			850	
	54		35	6-1-1867	1.11			55.5	
	75*		35	6-1-1867	.50*			25*	
	147*		35	6-1-1867	.20*			10*	
		300*	3)	6-1-1864					
			54)	6-1-1871	.35*			17.5*	
			120)	6-1-1891					
		301*	3)	6-1-1864					
			54)	6-1-1871	1.54*			77*	
			120)	6-1-1891					
		347*	3	6-1-1864	.14*			7*	
		349*	3	6-1-1864	.14*			7*	
		350*	3	6-1-1864	.14*			7*	
		391*	3)	6-1-1864					
			54)	6-1-1871	.15*			7.5*	
		393*	3)	6-1-1864					
			54)	6-1-1871	.288*			14.4*	
			120)	6-1-1891					
		754	30	5-1-1866	.40			20	
			123-A	5-15-1893		1.60		80	64.562

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: INTERVENORS BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
MIDDLETON IRRIGATION			65	6-1-1877	114.08			5704	
	36		35	6-1-1867	.38			19	
	57*		65	6-1-1877	.60*			30*	
	61		31-B	6-1-1866		.60		30	
	84*		65	6-1-1877	.80*			40*	
	126		31-A	6-1-1866		2.30		115	
		357*	65	6-1-1877	.20*			10	
		374*	65	6-1-1877	.40*			20*	
		375*	65	6-1-1877	.20*			10*	
		384*	65	6-1-1877	.40*			20*	
		385*	65	6-1-1877	.266*			13.3*	
		386*	65	6-1-1877	.40*			20*	
		387*	65	6-1-1877	.40*			20*	
		392*	65	6-1-1877	.40*			20*	
		395*	65	6-1-1877	.50*			25*	112.794
MISCELLANEOUS									
R. B. BETTY		1009	73-A	4-1-1880		.10		5	.10
CRAWFORTH PUMP	227		114-A	5-1-1889		1.60		80	1.60
BOISE RIVER			80	6-1-1882	1.60			80	1.60
DRAINAGE DISTRICT #4 (MARSTERS DITCH)	83*		85-A	6-1-1882		1.76		88	
			85-A	6-1-1882		.72*		36*	1.04
MANVILLE-LEONARD			32	6-1-1866	3.50			175	
		1855*	32	6-1-1866	1.80*			90*	1.70
McCURRY PUMP (LICENSED RIGHT #33487)				2-22-1967	(.56)			28	.56
MEEVES			53	6-1-1871	1.80			90	1.80
SURPRISE VALLEY FARMS		1011	30	5-1-1866	3.00			150	3.00

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STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
NEW DRY CREEK			72	6-1-1879	31.32			1566	
			93	6-1-1886	15.22			761	
			97	6-1-1888	7.86			393	
			129-A	4-1-1897		.54		27	
			73-A	4-1-1880		.54		27	
			74-A	6-1-1880		1.816		90.8	
			85-C	5-1-1883		.2232		11.16	
			85-E	5-1-1883		.385		19.25	
			124-A	5-1-1893		.825		41.25	
		300	3)	6-1-1864					
		300	54)	6-1-1871	.35			17.5	
		300	120)	6-1-1891					
		301	3)	6-1-1864					
		301	54)	6-1-1871	1.54			77	
		301	120)	6-1-1891					
	64		102	6-1-1888	.20			10	
	140		85-D	5-1-1883		.07		3.5	
	151*		124-A	5-1-1893		.135*		6.75*	
	161		103	6-1-1888	.65			32.5	
	174		103	6-1-1888	.24			12	
		713	30	5-1-1866	.54			27	
	1009*		73-A	4-1-1880		.10*		5*	62.0842
NEW UNION			14	6-1-1865	13.76			688	13.76

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STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED in cfs: STEWART DECREE	INTERVENORS: STEWART DECREE	INTERVENORS: BRYAN DECREE	INCHES	TOTAL SEC. FT.
NEW YORK									
			131	3-23-1900	219.10			10955	
				3-23-1900			58.86	2943	
				12-14-1903			1354.58	67729	
				6-16-1909			926.50	46325	
		(790-111)	8	9-1-1864	20.00			1000	
			45	6-1-1869	.34			17	
		(790-111)	96	10-1-1887	1.20			60	
		466	106	8-20-1888	8.90			445	
		701	30	5-1-1866	2.00			100	
		823	30	5-1-1866	6.00			300	
		976	30	5-1-1866	1.50			75	
		1007	30	5-1-1866	1.00			50	
		1010	30	5-1-1866	2.00			100	
		1017	30	5-1-1866	.60			30	
		1074	30	5-1-1866	2.00			100	2604.58
PARMA DITCH			71	6-1-1878	4.40			220	
			74	6-1-1880	1.76			88	
			125	6-1-1894	1.76			88	
			77-A	6-1-1881		1.60		80	
			77-B	6-1-1881		.34		17	
			77-C	6-1-1881		.80		40	
			77-D	6-1-1881		1.30		65	
	257		114-B	5-1-1889		.80		40	12.76
PENITENTIARY	46		50	6-1-1870	2.24			112	2.24
PHYLISS			90	6-1-1884	53.10			2655	
			117	9-1-1890	200.00			10000	
			135	4-1-1904	56.34			2817	
				4-1-1905			306.56	15328	
				4-1-1908			54.50	2725	
		1038	30	5-1-1866	21.715			1086	692.215

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
PIONEER DIXIE			8	9-1-1864	20.00			1000	
			45	6-1-1869	35.44			1772	
	36-A		96	10-1-1887	2.00			100	
	48		96	10-1-1887	4.20			210	
	62*		96	10-1-1887	1.00*			50*	
		(790-111*)	8	9-1-1864	20.00*			1000*	
			45	6-1-1869	.34*			17*	
		608	88	6-1-1883	1.00			50	
		644	88	6-1-1883	.70			35	
		660	88	6-1-1883	.60			30	
	35*		45	6-1-1869	2.00*			100*	
	148*		96	10-1-1887	3.00*			150*	
				7-9-1914			20.90	1045	58.50
RIDENBAUGH (NAMPA & MERIDIAN)			67	5-1-1878	170.00			8500	
			106	8-20-1888	370.84			18542	
		392	65	6-1-1877	.40			20	
	152		47-A	4-1-1870		.80		40	
	153		127	5-1-1895	1.00			50	
	154		8-A	4-1-1865		.80		40	
		466*	106	8-20-1888	8.90*			445*	
		595	1	6-1-1864	.20			10	
		1711*	67	5-1-1878	.40*			20*	534.74
RIVERSIDE			88	6-1-1883	12.00			600	
			91	6-1-1884	20.00			1000	
			95	1-23-1887	4.00			200	
			124	5-1-1893	80.00			4000	
			130	10-1-1899	20.00			1000	
			133	6-1-1901	70.00			3500	
			77-E	4-15-1882		3.674		183.7	
			116-A	6-1-1890		.72		36	
			116-B	6-1-1890		.10		5	
			116-C	6-1-1890		.40		20	
				4-1-1910			63.78	3189	
				4-1-1914			17.70	885	
		608*	88	6-1-1883	1.00*			50*	
		644*	88	6-1-1883	.70*			35*	
		660*	88	6-1-1883	.60*			30*	
	35		45	6-1-1869	2.00			100	
	175*		88	6-1-1883	1.70*			85*	290.374
ROEDEL DITCH			54-A	5-1-1875		3.20		160	3.20

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
ROSSI MILL									
			16	6-1-1865	9.20				
			18	6-1-1865	.80			460	
								40	10.00
SEBREE (FARMERS CO-OP)									
			60	6-1-1875	10.00				
			86	6-1-1883	20.00			500	
			105	7-1-1888	50.00			1000	
			129	7-1-1896	83.50			2500	
				4-1-1905				4175	
							154.45	7722	
		717	9	6-1-1865	.64			32	318.59

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED STEWART DECREE	INTERVENORS STEWART DECREE	INTERVENORS BRYAN DECREE	INCHES	TOTAL SEC. FT.
SETTLERS			92	10-17-1884	99.06			4953	
			122	6-1-1891	73.44			3672	
		347	3	6-1-1864	.14			7	
		349	3	6-1-1864	.14			7	
		350	3	6-1-1864	.14			7	
		357	65	6-1-1877	.20			10	
		412	81	6-1-1882	.40			20	
	76		85-B	4-1-1883		1.00		50	
	83		85-A	6-1-1882		.72		36	
		430	65	6-1-1877	.25			12.5	
		595	1	6-1-1864	.20			10	
		654	30	5-1-1866	.50			25	
					1.00			50	
					.50			25	
		694	30	5-1-1866	.16			8	
					.12			6	
					.14			7	
					.26			13	
		702	30	5-1-1866	.60			30	
		712	30	5-1-1866	.20			10	
					.20			10	
					.50			25	
		720	30	5-1-1866	1.34			67	
		736	37	6-1-1868	1.00			50	
		737	30	5-1-1866	1.10			55	
		739	30	5-1-1866	.15			7.5	
		753	30	5-1-1866	.46			23	
		829	30	5-1-1866	.48			24	
		871	36	6-1-1868	.288			14.4	
		872	36	6-1-1868	.22			11	
		873	30	5-1-1866	.20			10	
		890	30	5-1-1866	.10			5	
		906	30	5-1-1866	.10			5	
		917	30	5-1-1866	.20			10	
		918	30	5-1-1866	.025			1.25	
		940	30	5-1-1866	.05			2.5	
		977	30	5-1-1866	.20			10	
		979	30	5-1-1866	.10			5	
		980	30	5-1-1866	.12			6	
		989	30	5-1-1866	.20			10	
		990	30	5-1-1866	.03			4	
		991	30	5-1-1866	.16			8	
		1711	67	5-1-1878	.40			20	
SEVEN SUCKERS	38)		57	6-1-1872	.54			27	
	39)		58	6-1-1872	.50			25	
	179		51	6-1-1864	.168			8.4	
			52)	6-1-1871	.072			3.6	1.28

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
SIEBENBERG			9	6-1-1865	13.42			671	
		105*	9	6-1-1865	.50*			25*	
		717*	9	6-1-1865	.64*			32*	12.28
THURMAN MILL			7	6-1-1864	3.30			165	
			10	6-1-1865	1.20			60	
			11	6-1-1865	.66			33	
			36	6-1-1868	14.10			705	
			37	6-1-1868	3.70			185	
			42	6-1-1869	1.60			80	
			55	6-1-1872	.70			35	
			56	6-1-1872	1.40			70	
			62	6-1-1876	.44			22	
			75	6-1-1880	2.40			120	
			76	10-20-1880	.90			45	
			78	6-1-1882	.90			45	
			79	6-1-1882	.60			30	
			81	6-1-1882	2.60			130	
			84	6-1-1882	1.50			75	
			87	6-1-1883	.90			45	
			128	7-1-1895	.66			33	
		412*	81	6-1-1882	.40*			20*	
		736*	37	6-1-1868	1.00*			50*	
		871*	36	6-1-1868	.288*			14.4*	
		872*	36	6-1-1868	.22*			11*	35.652
UPPER CENTER POINT			23	6-1-1865	3.20			160	
			24	6-1-1865	2.40			120	
			25	6-1-1865	3.94			197	
			26	6-1-1865	1.60			80	
			27	6-1-1865	1.58			79	
		71*	24	6-1-1865	.80*			40*	
		85*	24	6-1-1865	.50*			25*	
		148	96	10-1-1887	3.00			150	
		159*	24	6-1-1865	.10*			5*	
		289	89	11-9-1883	.50			25	14.82

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	PRIORITY DATE	AMOUNT DECREED: STEWART DECREE	AMOUNT DECREED: INTERVENORS STEWART DECREE	AMOUNT DECREED: BRYAN DECREE	AMOUNT DECREED: INCHES	AMOUNT DECREED: TOTAL SEC. FT.
WARM SPRINGS DITCH			61	6-1-1876	2.30				
			82	6-1-1882	.44				
			83	6-1-1882	.44				
			84	6-1-1882	1.36				
			85	6-1-1882	2.20				
			81	6-1-1882	.80				
			115	6-1-1889	.06				
			116	6-1-1889	1.20				8.80

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL TO 60% - 75% AND 100%

CHART NO. 26

NO.	CANAL	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW TO FILL 60%	FLOW TO FILL 75%	FLOW TO FILL 100%
1	FARMERS UNION	1	1.80	1.35	1.08	1.08	1334.0	1650.1
1	RIDENBAUGH	1	.20	.15	.12	1.20	1334.0	1650.2
1	SETTLERS	1	.20	.15	.12	1.32	1334.1	1650.2
2	*FARMERS UNION	1	20.00	20.00	20.00	21.32	1334.1	1650.2
3	MIDDLETON MILL	1	11.04	8.28	6.62	27.94	1335.7	1653.0
3	FARMERS UNION	1	.10	.08	.06	28.00	1335.7	1653.0
3	SETTLERS	1	.42	.32	.25	28.25	1335.8	1653.1
3	NEW DRY CREEK	1	1.25	.94	.75	29.00	1336.0	1653.4
4	ANDREWS	3	3.30	2.48	1.98	29.00	1336.0	1653.4
5	MACE-CATLIN	1	2.69	2.02	1.61	30.61	1336.4	1654.1
5	SEVEN SUCKERS	1	.17	.13	.10	30.71	1336.4	1654.1
6	HART-DAVIS	1	3.30	2.48	1.98	32.69	1336.9	1655.0
7	THURMAN MILL	1	3.30	2.48	1.98	34.67	1337.4	1655.8
8	NEW YORK	1	20.00	15.00	12.20	46.67	1340.4	1660.8
8A	RIDENBAUGH	1	.80	.60	.48	47.45	1340.5	1661.0
8B	BUBB	1	1.80	1.35	1.08	48.23	1340.8	1661.4
8C	LEMP	1	6.00	4.50	3.60	51.83	1341.7	1662.9
8D	BUBB	1	.50	.38	.30	52.13	1341.8	1663.1
9	SIEBENBERG	2	13.42	10.07	8.05	52.13	1341.8	1663.1
9	SEBREE	2	.64	.48	.38	52.13	1341.8	1663.1
9	CAMPBELL	2	.50	.38	.30	52.13	1341.8	1663.1
10	THURMAN MILL	1	1.20	.90	.72	52.85	1342.0	1663.4
11	THURMAN MILL	1	.66	.50	.40	53.25	1342.1	1663.5
12	GRAHAM-GILBERT	1	4.40	3.30	2.64	55.89	1342.7	1664.6
13	EUREKA #1	1	33.32	24.99	19.99	75.88	1347.7	1673.0
14	NEW UNION	1	13.76	10.32	8.27	84.15	1349.8	1676.4
15	BOISE VALLEY	1	54.58	40.94	32.75	116.90	1358.0	1690.0
16	ROSSI MILL	1	9.20	6.90	5.52	122.42	1359.5	1692.5
17	RIDENBAUGH & ROSSI (POWER)	1	265.80	265.80	265.80	122.42	1359.5	1692.5
18	ROSSI MILL	1	.80	.60	.48	122.90	1359.5	1692.5
19	BOWMAN-SWISHER	2	2.88	2.16	1.73	122.90	1359.5	1692.5
20	BOWMAN-SWISHER	2	5.60	4.20	3.36	122.90	1359.5	1692.5
20x	BAXTER	3	.80	.60	.48	122.90	1359.5	1692.5
21	LOWER CENTER POINT	2	2.90	2.18	1.74	122.90	1359.5	1692.5
22	LOWER CENTER POINT	2	3.20	2.40	1.92	122.90	1359.5	1692.5
23	UPPER CENTER POINT	2	3.20	2.40	1.92	122.90	1359.5	1692.5
24	UPPER CENTER POINT	2	1.00	.75	.60	122.90	1359.5	1692.5
24	EUREKA #2	2	1.40	1.05	.84	122.90	1359.5	1692.5
25	UPPER CENTER POINT	2	3.94	2.96	2.36	122.90	1359.5	1692.5
26	UPPER CENTER POINT	2	1.60	1.20	.96	122.90	1359.5	1692.5
27	UPPER CENTER POINT	2	1.58	1.19	.95	122.90	1359.5	1692.5
28	BOONE	3	7.00	5.25	4.20	122.90	1359.5	1692.5
29	ANDREWS	3	6.00	4.50	3.60	122.90	1359.5	1692.5
30	*MIDDLETON MILL	1	.40	.40	.40	123.30	1359.5	1692.5
30	*MISCELLANEOUS	1	3.00	3.00	3.00	126.20	1359.5	1692.5
30	*NEW DRY CREEK	1	.54	.54	.54	126.84	1359.5	1692.5

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TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL TO 60% - 75% AND 100%

NO.	CANAL	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW TO FILL 60%	FLOW TO FILL 75%	FLOW TO FILL 100%
30	*NEW YORK	1	15.10	15.10	15.10	141.94	1359.5	1692.5
30	*PHYLISS	1	21.72	21.72	21.72	163.66	1359.5	1692.5
30	*SETTLERS	1	9.25	9.25	9.25	172.91	1359.5	1692.5
31	CANYON COUNTY	1	2.60	1.95	1.56	174.47	1359.9	1693.2
31A	MIDDLETON IRRIGATION	1	2.30	1.73	1.38	175.85	1360.2	1693.8
31B	MIDDLETON IRRIGATION	1	.60	.45	.36	176.21	1360.3	1693.9
31C	LITTLE PIONEER	1	1.10	.83	.66	176.87	1360.5	1694.2
32	MISCELLANEOUS	1	1.70	1.28	1.02	177.89	1360.8	1694.6
32	FARMERS UNION	1	1.80	1.35	1.08	178.97	1361.0	1695.1
33	BOISE CITY CANAL	1	36.38	27.29	21.83	200.80	1366.4	1704.2
33	FARMERS UNION	1	1.68	1.26	1.01	201.81	1366.7	1704.6
34	CALDWELL HIGHLINE	1	15.40	11.55	9.24	211.05	1369.0	1708.4
35	CANYON COUNTY	1	75.01	56.26	45.01	256.06	1380.3	1727.2
35	MIDDLETON MILL	1	.41	.31	.25	256.31	1380.3	1727.3
35	MIDDLETON IRRIGATION	1	.38	.29	.23	256.54	1380.4	1727.4
35A	CANYON COUNTY	1	1.76	1.32	1.06	257.60	1380.6	1727.8
36	THURMAN MILL	1	13.59	10.19	8.15	265.75	1382.7	1731.2
36	SETTLERS	1	.51	.38	.31	266.06	1382.7	1731.3
37	THURMAN MILL	1	2.70	2.03	1.62	267.68	1382.2	1732.0
37	SETTLERS	1	1.00	.75	.60	268.28	1383.3	1732.3
38	LOWER CENTER POINT	2	3.20	2.40	1.92	268.28	1383.3	1732.3
39	HAAS	3	8.54	6.41	5.12	268.28	1383.3	1732.3
40	MIDDLETON MILL	1	1.40	1.05	.84	269.12	1383.5	1732.6
41	MANMON	3	1.80	1.35	1.08	269.12	1383.5	1732.6
42	THURMAN MILL	1	1.60	1.20	.96	270.08	1383.8	1733.0
43	LOWER CENTER POINT	2	3.60	2.70	2.16	270.08	1383.8	1733.0
44	ANDREWS	3	8.50	6.38	5.10	270.08	1383.8	1733.0
45	PIONEER DIXIE	2	33.10	24.83	19.86	270.08	1383.8	1733.0
45	NEW YORK	1	.34	.26	.20	270.28	1383.8	1733.1
45	RIVERSIDE	2	2.00	1.50	1.20	270.28	1383.8	1733.1
46	CALDWELL HIGH LINE	1	36.20	27.15	21.72	292.00	1389.2	1742.2
46	CANYON COUNTY	1	1.00	.75	.60	292.60	1389.4	1742.4
47	BOONE	3	3.50	2.63	2.10	292.60	1389.4	1742.4
47A	RIDENBAUGH	1	.80	.60	.48	293.08	1389.5	1742.6
48	CONWAY HAMMING	1	2.60	1.95	1.56	294.64	1389.9	1743.3
49	LITTLE PIONEER	1	25.72	19.29	15.43	310.07	1393.8	1749.7
50	PENITENTIARY	1	2.24	1.68	1.34	311.41	1394.1	1750.2
50A	BUBB	1	1.00	.75	.60	312.01	1394.2	1750.5
51	ANDREWS	3	1.30	.98	.78	312.01	1394.2	1750.5
52	MACE-CATLIN	1	7.79	5.84	4.67	316.68	1395.4	1752.4
52	SEVEN SUCKERS	1	.07	.05	.04	316.72	1395.4	1752.5
53	MEEVES	1	1.80	1.35	1.08	317.80	1395.7	1752.9
54	MIDDLETON MILL	1	32.43	24.32	19.46	337.26	1400.5	1761.0
54	FARMERS UNION	1	.26	.20	.16	337.42	1400.6	1761.1
54	NEW DRY CREEK	1	1.01	.76	.61	338.03	1400.7	1761.3
55	THURMAN MILL	1	.70	.53	.42	338.45	1400.8	1761.5

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TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL TO 60% - 75% AND 100%

CHART NO. 26

NO.	CANAL	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW TO FILL 60%	FLOW TO FILL 75%	FLOW TO FILL 100%
30	*NEW YORK	1	15.10	15.10	15.10	141.94	1359.5	1692.5
30	*PHYLISS	1	21.72	21.72	21.72	163.66	1359.5	1692.5
30	*SETTLERS	1	9.25	9.25	9.25	172.91	1359.5	1692.5
31	CANYON COUNTY	1	2.60	1.95	1.56	174.47	1359.9	1693.2
31A	MIDDLETON IRRIGATION	1	2.30	1.73	1.38	175.85	1360.2	1693.8
31B	MIDDLETON IRRIGATION	1	.60	.45	.36	176.21	1360.3	1693.9
31C	LITTLE PIONEER	1	1.10	.83	.66	176.87	1360.5	1694.2
32	MISCELLANEOUS	1	1.70	1.28	1.02	177.89	1360.8	1694.6
32	FARMERS UNION	1	1.80	1.35	1.08	178.97	1361.0	1695.1
33	BOISE CITY CANAL	1	36.38	27.29	21.83	200.80	1366.4	1704.2
33	FARMERS UNION	1	1.68	1.26	1.01	201.81	1366.7	1704.6
34	CALDWELL HIGHLINE	1	15.40	11.55	9.24	211.05	1369.0	1708.4
35	CANYON COUNTY	1	75.01	56.26	45.01	256.06	1380.3	1727.2
35	MIDDLETON MILL	1	.41	.31	.25	256.31	1380.3	1727.3
35	MIDDLETON IRRIGATION	1	.38	.29	.23	256.54	1380.4	1727.4
35A	CANYON COUNTY	1	1.76	1.32	1.06	257.60	1380.6	1727.8
36	THURMAN MILL	1	13.59	10.19	8.15	265.75	1382.7	1731.2
36	SETTLERS	1	.51	.38	.31	266.06	1382.7	1731.3
37	THURMAN MILL	1	2.70	2.03	1.62	267.68	1382.2	1732.0
37	SETTLERS	1	1.00	.75	.60	268.28	1383.3	1732.3
38	LOWER CENTER POINT	2	3.20	2.40	1.92	268.28	1383.3	1732.3
39	HAAS	3	8.54	6.41	5.12	268.28	1383.3	1732.3
40	MIDDLETON MILL	1	1.40	1.05	.84	269.12	1383.5	1732.6
41	MAMMON	3	1.80	1.35	1.08	269.12	1383.5	1732.6
42	THURMAN MILL	1	1.60	1.20	.96	270.08	1383.8	1733.0
43	LOWER CENTER POINT	2	3.60	2.70	2.16	270.08	1383.8	1733.0
44	ANDREWS	3	8.50	6.38	5.10	270.08	1383.8	1733.0
45	PIONEER DIXIE	2	33.10	24.83	19.86	270.08	1383.8	1733.0
45	NEW YORK	1	.34	.26	.20	270.28	1383.8	1733.1
45	RIVERSIDE	2	2.00	1.50	1.20	270.28	1383.8	1733.1
46	CALDWELL HIGH LINE	1	36.20	27.15	21.72	292.00	1389.2	1742.2
46	CANYON COUNTY	1	1.00	.75	.60	292.60	1389.4	1742.4
47	BOONE	3	3.50	2.63	2.10	292.60	1389.4	1742.4
47A	RIDENBAUGH	1	.80	.60	.48	293.08	1389.5	1742.6
48	CONWAY HAMMING	1	2.60	1.95	1.56	294.64	1389.9	1743.3
49	LITTLE PIONEER	1	25.72	19.29	15.43	310.07	1393.8	1749.7
50	PENITENTIARY	1	2.24	1.68	1.34	311.41	1394.1	1750.2
50A	BUBB	1	1.00	.75	.60	312.01	1394.2	1750.5
51	ANDREWS	3	1.30	.98	.78	312.01	1394.2	1750.5
52	MACE-CATLIN	1	7.79	5.84	4.67	316.68	1395.4	1752.4
52	SEVEN SUCKERS	1	.07	.05	.04	316.72	1395.4	1752.5
53	MEEVES	1	1.80	1.35	1.08	317.80	1395.7	1752.9
54	MIDDLETON MILL	1	32.43	24.32	19.46	337.26	1400.5	1761.0
54	FARMERS UNION	1	.26	.20	.16	337.42	1400.6	1761.1
54	NEW DRY CREEK	1	1.01	.76	.61	338.03	1400.7	1761.3
55	THURMAN MILL	1	.70	.53	.42	338.45	1400.8	1761.5

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TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL TO 60% - 75% AND 100%

CHART NO. 26

NO.	CANAL	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW TO FILL 60%	FLOW TO FILL 75%	FLOW TO FILL 100%
56	THURMAN MILL	1	1.40	1.05	.84	339.29	1401.1	1761.9
57	HART DAVIS	1	3.86	2.90	2.32	341.61	1401.6	1762.8
57	SEVEN SUCKERS	1	.54	.41	.32	341.93	1401.7	1763.0
58	HART DAVIS	1	2.80	2.10	1.68	343.61	1402.1	1763.7
58	SEVEN SUCKERS	1	.50	.38	.30	343.91	1402.2	1763.8
59	BOONE	3	2.20	1.65	1.32	343.91	1402.2	1763.8
59A	ROEDEL	2	3.20	2.40	1.92	343.91	1402.2	1763.8
60	SEBREE	2	10.00	7.50	6.00	343.91	1402.2	1763.8
61	WARM SPRINGS	1	2.30	1.73	1.38	345.29	1402.6	1764.4
62	THURMAN MILL	1	.44	.33	.26	345.55	1402.6	1764.5
63	AIKEN	1	5.20	3.90	3.12	348.67	1403.4	1765.8
64	CONWAY-HAMMING	1	.90	.68	.54	349.21	1403.5	1766.0
65	MIDDLETON IRRIGATION	1	109.51	82.13	65.71	414.92	1420.0	1793.4
65	BALLENTYNE	1	.60	.45	.36	415.28	1420.1	1793.5
65	FARMERS UNION	1	3.12	2.34	1.87	417.15	1420.5	1794.3
65	RIDENBAUGH	1	.40	.30	.24	417.39	1420.6	1794.4
65	SETTLERS	1	.45	.34	.27	417.66	1420.6	1794.5
66	PARRAULT & JOHNSON (POWER)	1	200.00	200.00	200.00	417.66	1420.6	1794.5
66A	BALLENTYNE	1	.80	.60	.48	418.14	1420.8	1794.7
66C	BALLENTYNE	1	1.40	1.05	.84	418.98	1421.0	1795.1
66D	BALLENTYNE	1	.80	.60	.48	419.46	1421.1	1795.3
67	RIDENBAUGH	1	169.60	127.20	101.76	521.22	1446.5	1837.7
67	SETTLERS	1	.40	.30	.24	521.46	1446.6	1837.8
68	MAMMON	3	4.20	3.15	2.52	521.46	1446.6	1837.8
69	MAMMON	3	3.36	2.52	2.02	521.46	1446.6	1837.8
70	HAAS	3	8.80	6.60	5.28	521.46	1446.6	1837.8
71	PARMA	3	4.40	3.30	2.64	521.46	1446.6	1837.8
71A	ISLAND HIGH LINE	3	3.00	2.25	1.80	521.46	1446.6	1837.8
72	NEW DRY CREEK	1	31.32	23.49	18.79	540.25	1451.3	1845.6
73	LOWER CENTER POINT	2	4.00	3.00	2.40	540.25	1451.3	1845.6
73A	NEW DRY CREEK	1	.44	.33	.26	540.51	1451.4	1845.7
73A	AIKEN	1	.10	.08	.06	540.57	1451.4	1845.7
73B	BAXTER	3	3.20	2.40	1.92	540.57	1451.4	1845.7
74	PARMA	3	1.76	1.32	1.06	540.57	1451.4	1845.7
74A	NEW DRY CREEK	1	1.82	1.37	1.09	541.66	1451.6	1846.2
75	THURMAN MILL	1	2.40	1.80	1.44	543.10	1452.0	1846.8
76	THURMAN MILL	1	.90	.68	.54	543.64	1452.1	1847.0
77	CALDWELL HIGH LINE	1	27.60	20.70	16.56	560.20	1456.3	1853.9
77A	PARMA	3	1.60	1.20	.96	560.20	1456.3	1853.9
77B	PARMA	3	.34	.26	.20	560.20	1456.3	1853.9
77C	PARMA	3	.80	.60	.48	560.20	1456.3	1853.9
77D	PARMA	3	1.30	.98	.78	560.20	1456.3	1853.9
77E	RIVERSIDE	2	3.67	2.75	2.20	560.20	1456.3	1853.9
78	THURMAN MILL	1	.90	.68	.54	560.74	1456.4	1854.1
79	THURMAN MILL	1	.60	.45	.36	561.10	1456.5	1854.3
80	MISCELLANEOUS	1	1.60	1.20	.96	562.06	1456.7	1854.7

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL TO 60% - 75% AND 100%

CHART NO. 26

NO.	CANAL	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW TO FILL 60%	FLOW TO FILL 75%	FLOW TO FILL 100%
81	THURMAN MILL	1	2.20	1.65	1.32	563.38	1457.1	1855.2
81	SETTLERS	1	.40	.30	.24	563.62	1457.1	1855.3
81	WARM SPRINGS	1	.80	.60	.48	564.10	1457.3	1855.5
82	WARM SPRINGS	1	.44	.33	.26	564.36	1457.3	1855.6
83	WARM SPRINGS	1	.44	.33	.26	564.62	1457.4	1855.7
84	THURMAN MILL	1	1.50	1.13	.90	565.52	1457.6	1856.1
84	WARM SPRINGS	1	1.36	1.02	.82	566.34	1457.8	1856.5
85	WARM SPRINGS	1	2.20	1.65	1.32	567.66	1458.1	1857.0
85A	MISCELLANEOUS	1	1.04	.78	.62	568.28	1458.3	1857.3
85A	SETTLERS	1	.72	.54	.43	568.71	1458.4	1857.4
85B	SETTLERS	1	1.00	.75	.60	569.31	1458.6	1857.7
85C	NEW DRY CREEK	1	.22	.17	.13	569.44	1458.6	1857.8
85D	BALLENTYNE	1	.76	.57	.46	569.90	1458.7	1857.9
85D	NEW DRY CREEK	1	.07	.05	.04	569.94	1458.7	1858.0
85E	NEW DRY CREEK	1	.39	.29	.23	570.17	1458.7	1858.1
86	SEBREE	2	20.00	15.00	12.00	570.17	1458.8	1858.1
87	THURMAN MILL	1	.90	.68	.54	570.71	1458.9	1858.3
88	RIVERSIDE	2	8.00	6.00	4.80	570.71	1458.9	1858.3
88	EUREKA #2	2	1.70	1.28	1.02	570.71	1458.9	1858.3
88	PIONEER DIXIE	2	2.30	1.73	1.38	570.71	1458.9	1858.3
89	EUREKA #2	2	18.30	13.73	10.98	570.71	1458.9	1858.3
89	BOWMAN-SWISHER	2	.20	.15	.12	570.71	1458.9	1858.3
89	UPPER CENTER POINT	2	.50	.38	.30	570.71	1458.9	1858.3
89	LOWER CENTER POINT	2	2.70	2.03	1.62	570.71	1458.9	1858.3
90	PHYLISS	1	53.10	39.83	31.86	602.37	1466.9	1871.6
91	RIVERSIDE	2	20.00	15.00	12.00	602.57	1466.9	1871.6
92	SETTLERS	1	99.06	74.30	59.44	662.01	1481.7	1896.3
93	NEW DRY CREEK	1	15.22	11.42	9.13	671.14	1484.0	1900.1
94	DAVIS	1	13.40	10.05	8.04	679.18	1486.0	1903.5
95	RIVERSIDE	2	4.00	3.00	2.40	679.18	1486.0	1903.5
96	BOWMAN-SWISHER	2	.70	.53	.42	679.18	1486.0	1903.5
96	CAMPBELL	2	12.10	9.08	7.26	679.18	1486.0	1903.5
96	EUREKA #2	2	28.60	21.45	17.16	679.18	1486.0	1903.5
96	NEW YORK	1	1.20	.90	.72	679.90	1486.2	1903.8
96	PIONEER DIXIE	2	2.20	1.65	1.32	679.90	1486.2	1903.8
96	UPPER CENTER POINT	2	3.00	2.25	1.80	679.90	1486.2	1903.8
97	NEW DRY CREEK	1	7.86	5.90	4.72	684.62	1487.4	1905.7
98	BALLENTYNE	1	4.00	3.00	2.40	687.02	1488.0	1906.7
99	BALLENTYNE	1	1.30	.98	.78	687.80	1488.2	1907.1
100	BALLENTYNE	1	1.40	1.05	.84	688.64	1488.4	1907.4
101	BALLENTYNE	1	1.46	1.10	.88	689.52	1488.6	1907.8
102	BALLENTYNE	1	1.00	.75	.60	690.12	1488.8	1908.0
102	NEW DRY CREEK	1	.20	.15	.12	690.24	1488.8	1908.1
103	BALLENTYNE	1	.51	.38	.31	690.55	1488.9	1908.2
103	NEW DRY CREEK	1	.89	.67	.53	691.08	1489.0	1908.4
104	ANDREWS	3	.90	.68	.54	691.08	1489.0	1908.4
105	SEBREE	2	50.00	37.50	30.00	391.08	1489.0	1908.4
106	RIDENBAUGH	1	361.34	271.46	217.16	908.24	1543.3	1998.9
106	NEW YORK	1	8.90	6.68	5.34	913.58	1544.6	2001.2

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREED RIGHTS AND FLOW NECESSARY IN SECOND FEET TO FILL TO 60% - 75% AND 100%

CHART NO. 26

NO.	CANAL	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW TO FILL 60%	FLOW TO FILL 75%	FLOW TO FILL 100%
106A	BUBB	1	.84	.63	.50	914.08	1544.7	2001.3
107	BUBB	1	.06	.05	.04	914.12	1544.8	2001.4
108	BUBB	1	.02	.02	.01	914.13	1544.8	2001.4
109	BUBB	1	2.40	1.80	1.44	915.57	1545.1	2002.0
110	BUBB	1	6.00	4.50	3.60	919.17	1546.0	2003.5
111	BUBB	1	2.94	2.21	1.76	920.93	1546.5	2004.2
112	BUBB	1	.05	.04	.03	920.96	1546.5	2004.2
113	BUBB	1	.10	.08	.06	921.02	1546.5	2004.2
114	BUBB	1	.03	.02	.02	921.04	1546.5	2004.2
114A	MISCELLANEOUS	3	1.60	1.20	.96	921.04	1546.5	2004.2
114B	PARNA	3	.80	.60	.48	921.04	1546.5	2004.2
115	WARM SPRINGS	1	.06	.05	.04	921.04	1546.5	2004.3
116	WARM SPRINGS	1	1.20	.90	.72	921.80	1546.7	2004.6
116A	RIVERSIDE	2	.72	.54	.43	921.80	1546.7	2004.6
116B	RIVERSIDE	2	.10	.08	.06	921.80	1546.7	2004.6
116C	RIVERSIDE	2	.40	.30	.24	921.80	1546.7	2004.6
117	PHYLISS	1	200.00	150.00	120.00	1041.80	1576.7	2054.6
118	CONWAY-HAMMING	1	2.20	1.65	1.32	1043.12	1577.0	2055.1
119	DAVIS	1	.54	.41	.32	1043.44	1577.1	2055.2
120	MIDDLETON MILL	1	16.44	12.33	9.86	1053.30	1579.6	2059.4
120	FARMERS UNION	1	.08	.06	.05	1053.35	1579.6	2059.4
120	NEW DRY CREEK	1	.48	.36	.29	1053.64	1579.6	2059.5
121	ANDREWS	3	3.50	2.63	2.10	1053.64	1579.6	2059.5
122	SETTLERS	1	73.44	55.08	44.06	1097.70	1590.7	2077.9
123	BALLENTYNE	1	.80	.60	.48	1098.18	1590.8	2078.1
123A	MIDDLETON MILL	1	1.60	1.20	.96	1099.14	1591.0	2078.5
124	RIVERSIDE	3	80.00	60.00	48.00	1099.14	1591.0	2078.5
124A	NEW DRY CREEK	1	.69	.52	.41	1099.55	1591.1	2078.6
124A	BALLENTYNE	1	.14	.11	.08	1099.63	1591.1	2078.7
125	PARNA	3	1.76	1.32	1.06	1099.63	1591.1	2078.7
126	FARMERS UNION	1	110.00	88.50	66.00	1165.63	1607.6	2106.2
127	RIDENBAUGH	1	1.00	.75	.60	1166.23	1607.8	2106.4
128	THURMAN MILL	1	.66	.50	.40	1166.63	1607.9	2106.6
129	SEBREE	2	83.50	62.63	50.10	1166.63	1607.9	2106.6
129A	NEW DRY CREEK	1	.54	.41	.32	1166.95	1608.0	2106.7
130	RIVERSIDE	2	20.00	15.00	12.00	1166.95	1608.0	2106.7
131	NEW YORK	1	219.10	164.33	131.46	1298.41	1640.8	2161.5
132	CAMPBELL	2	10.00	7.50	6.00	1298.41	1640.8	2161.5
133	RIVERSIDE	2	70.00	52.50	42.00	1298.41	1640.8	2161.5
134	CAMPBELL	2	5.54	4.16	3.32	1298.41	1640.8	2161.5
135	PHYLISS	1	56.34	42.26	33.80	1332.21	1649.3	2173.6
136	BALLENTYNE	1	.39	.29	.23	1332.44	1649.3	2173.7
137	MACE-MACE	1	1.76	1.32	1.06	1333.50	1649.6	2176.1
137A	ISLAND HIGH LINE	3	7.00	5.25	4.20	1333.50	1649.6	2176.1
138	MACE-CATLIN	1	.44	.33	.26	1333.76	1649.7	2176.2
139	ISLAND HIGH LINE	3	10.00	7.50	6.00	1333.76	1649.7	2176.2

TABLE SHOWING DECREED RIGHTS (BRYAN DECREE) & FLOW IN SECOND FEET
AN APPROXIMATE AMOUNT
NECESSARY AT DIVERSION DAM TO FILL SAME

CHART NO. 27

PRIORITY DATE	NAME	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW TO FILL 60%	FLOW TO FILL 75%	FLOW TO FILL 100%	DEPT. OF WATER ADMINISTRATION
7-2-1894	FARMERS UNION	54.46	40.85	32.68	2306	4071	4523	63-0297
3-23-1900	NEW YORK IRRIGATION DIST. BOISE KUNA IRRIGATION DIST.	58.86	44.15	35.32	2341	4079	4538	63-0372
12-14-1903	UNITED STATES OF AMERICA	1354.58	1015.94	812.75	3154	4283	4877	63-0301
4-1-1905	PIONEER IRRIGATION DIST.	306.56	229.92	183.94	3338	4329	4953	63-0294
4-1-1905	FARMERS COOPERATIVE DITCH CO.	154.45	115.84	92.67	3430	4352	4992	63-0296
4-1-1905	SOUTH BOISE MUTUAL DITCH CO.	5.40	4.05	3.24	3434	4353	4993	63-0298
4-1-1908	PIONEER IRRIGATION DIST.	54.50	40.88	32.70	3466	4361	5007	63-0295
4-1-1909	UNITED STATES OF AMERICA	292.50	219.38	175.50				63-0373
6-16-1909	UNITED STATES OF AMERICA	634.00	475.50	380.40	4022	4500	5239	63-0302
6-16-1909	UNITED STATES OF AMERICA	1500.00	(POWER)					63-0367
4-1-1910	** RIVERSIDE IRRIGATION DIST.	63.78	47.84	38.27	4060	4509	5255	63-0299
4-1-1910	** MCMANUS & TEATER	3.36	2.52	2.02	4062	4510	5255	63-0304
1-13-1911	* UNITED STATES OF AMERICA	8000.00	(ARROWROCK STORAGE)				13255	63-0303
4-1-1914	** RIVERSIDE IRRIGATION DIST.	17.70	13.28	10.62			13273	63-0300
7-9-1914	** PIONEER DIXIE DITCH CO.	20.90	15.68	12.54			13294	63-0374
6-25-1938	UNITED STATES OF AMERICA	15000.00	(ARROWROCK STORAGE)					63-3613
12-9-1940	UNITED STATES OF AMERICA	493161.00	(ANDERSON STORAGE)					63-3614
4-12-1963	UNITED STATES OF AMERICA	307000.00	(LUCKY PEAK STORAGE)					63-3618

** DELIVERED FROM RETURN FLOW AFTER JULY 15.

* FOR FURTHER INFORMATION SEE TEXT OF THIS REPORT, UNDER HEADING, "DECREE".