

**WATER DISTRIBUTION
OF
BOISE RIVER
DISTRICT 63
1984**

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER
AND
DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1984

(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 Intervenor Decrees on Boise River (Intervenor 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 9, 1984 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:

L.L. MURGOITIO, CHAIRMAN
J. HOWARD KENT, SECRETARY
JOHN GALE
MARTIN GALVIN
CARL GERMAN
FRED HOUSTON
WENDELL KNIGHT
L.C. MACE
NEIL STESSMAN
CHARLES YOST

ANY OTHER MEETINGS TO BE 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 BUREAU OF RECLAMATION.

DECREEES

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 insufficient storage to control these more rare floods to river capacity and some flooding downstream will occur.

CANAL REGULATIONS

Canal regulation in 1984 began on July 14 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 1984 was 2,810,017 acre feet and for the irrigation year 1 October, 1983 to 30 September, 1984 was 2,870,730 acre feet.

Irrigation was started on the Boise River system in early April, but demand was light until the first part of May when most canals were diverting near capacity. The demand for water was very steady until September when demand declined. Flood control releases were in effect from 1 January, 1984 until 14 July, 1984 when storage use was started.

The peak outflow from Lucky Peak Reservoir was 10,506 cfs. on 1 June.

Also, during September and October, there was 99,014 acre feet of storage water released from Lucky Peak Reservoir to lower the elevation for tunnel inspection and Power Plant Construction.

The natural flow of the river has been released from the end of the irrigation season until the end of the year.

The return flows were more than were needed to meet the irrigation demand for Sections 2 and 3 of the River.

The peak flow of the River for 1984 was 22,430 cfs. on 16 May and the lowest flow of 534 cfs. was on 19 December.

STORAGE WATER

As of 31 December, 1984 there was 289,548 acre feet of water in Anderson Ranch Reservoir, 136,365 acre feet of water in Arrowrock Reservoir and 26,617 acre feet of water in Lucky Peak Reservoir for a total of 452,530 acre feet of stored water in the system.

777 cfs. is being released from Anderson Ranch Reservoir, 1366 cfs. from Arrowrock Reservoir and 1,499 cfs. from Lucky Peak Reservoir. The natural flow of the Boise River 31 December, 1984 was 1,125 cfs.

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.

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TABLE IN SECOND FEET SHOWING THE DAILY OUTFLOW OF
LUCKY PEAK RESERVOIR FOR THE YEAR OF 1984

	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1	3500	3600	1850	3500	9273	10506	8003	4395	3557	4567	2002	995
2	3500	3600	1850	3496	9409	10505	8002	4359	2607	4436	1456	994
3	3500	3600	1850	3501	9408	10496	8006	4340	3640	4295	1197	529
4	3500	2133	1850	2550	9081	10501	7998	4341	4324	4301	1201	204
5	3500	2000	1850	1795	9044	10498	7995	4341	4391	3910	1195	204
6	3500	2000	1850	1794	9112	10006	7999	4341	4387	3706	1191	204
7	4063	2000	1850	1793	9114	9011	6138	4337	4389	3708	1191	540
8	5000	2000	1850	1795	9233	8520	5008	4337	4521	3708	1192	995
9	5000	2000	1850	1802	9428	7783	5009	4337	4601	3707	1192	997
10	5000	1500	1850	1797	9572	7021	5014	4338	4604	3037	1190	997
11	5000	1500	1850	1794	9666	7027	5014	4332	4599	2688	1187	996
12	5000	1500	1850	1796	9693	6567	5005	4297	4598	1450	1184	1321
13	5000	1500	1850	1794	9686	5361	5003	4297	4595	504	419	1495
14	5000	1500	1850	2820	9698	4340	4775	4297	4599	506	0	1496
15	5000	1500	1850	5732	9698	3988	4586	4296	4601	181	0	1496
16	5000	1500	1850	6791	9697	4125	4601	4295	4633	0	419	1497
17	5000	1500	1850	6795	9758	4324	4594	4295	4601	0	1185	1497
18	5000	1792	1850	6799	9848	4395	4599	4295	4605	0	1175	1497
19	5000	1850	1850	7179	9956	4467	4598	4361	4607	921	1684	1497
20	5000	1850	1850	7730	9981	5165	4594	4394	4611	1999	2006	1166
21	5000	1850	1850	7896	9969	5516	4564	4394	4609	1992	2004	1496
22	5000	1850	1850	7897	10145	5680	4549	4393	4616	1999	2009	1496
23	5000	1850	1850	7896	10249	6264	4549	4392	4668	2003	2007	1496
24	3892	1850	1850	8223	10246	6520	4511	4395	4600	1999	2000	1497
25	3600	1850	1850	7495	10244	6526	4492	4395	4655	1990	2002	1498
26	3600	1850	1850	7396	10241	6523	4463	4394	4592	2000	2001	1498
27	3600	1850	1850	8802	10237	7000	4447	4393	4587	2000	1998	1498
28	3600	1850	2668	9028	10244	7250	4447	4393	4592	2000	1998	1498
29	3600	1850	3500	9075	10240	7743	4448	4392	4588	1996	1998	1498
30	3600		3499	9043	10372	8005	4450	4391	4587	1998	1597	1499
31	3600		3500		10490		4414	4391		1998		1499
CFS.	134,155	57,075	63,117	155,804	303,032	211,633	165,875	134,948	133,164	69,169	41,891	34,234
AC.FT.	268,310	114,150	126,234	311,608	606,064	423,266	331,750	269,896	266,328	138,338	83,091	67,903

TOTAL CFS. 1,504,097

AC.FT. 3,006,938

NATURAL FLOW OF HOLISE RIVER
IN SECOND FEET
BEGINNING 1941

JANUARY

* FIVE YEARS 1945
THRU 1940 GIVEN
IN PREVIOUS ANNUAL
REPORTS

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	939	778	857	761	679	622	926	1026	929	927	878	884	888	890	806	804	917	1030	1215	1172	942	811	808	911	27,130	
1942	869	647	1077	927	737	737	737	979	1000	1157	1052	1051	841	946	946	621	731	1306	866	756	866	866	748	916	1119	1265	1511	1172	1323	1489	1389	1281	31,091
1943	4510	4934	3711	2796	2572	2257	2026	1701	1730	1701	1554	1337	1344	1519	1550	1696	1300	1110	1315	2010	2179	3720	4603	4293	3365	3199	2987	2703	2703	744	744	752	76,595
1944	939	835	979	759	575	685	876	675	670	671	674	676	684	680	682	684	680	682	682	682	682	682	682	682	682	682	682	682	682	682	682	24,706	
1945	796	705	662	668	603	810	747	1120	1193	1040	1035	899	902	1300	1461	1305	1169	1052	1034	1035	704	830	739	663	816	806	737	774	774	684	876	28,135	
1946	2993	2015	2128	1727	1881	1631	1219	1544	1282	1045	1240	920	879	1037	985	866	1214	1246	1157	1111	940	1164	1117	1362	1203	1045	1073	1104	993	952	1085	39,765	
1947	870	1062	923	620	688	906	1017	1018	905	903	1186	1032	1074	1052	788	753	788	733	1073	1245	1132	1276	865	1119	1114	1125	1157	914	920	917	908	30,182	
1948	661	943	884	912	1020	1111	1140	1183	2282	1653	1571	1494	1055	866	810	842	940	948	862	872	872	924	1244	1208	1030	906	760	481	545	766	909	32,761	
1949	866	878	818	818	730	825	800	822	861	868	717	760	777	824	830	830	841	814	785	780	780	806	811	733	732	686	719	722	727	765	738	24,519	
1950	642	735	654	772	509	644	848	894	903	955	952	708	558	804	624	760	832	766	767	1079	1300	1874	2235	2173	1709	1238	1257	1186	1271	1019	833	31,601	
1951	1130	993	1241	1259	937	1017	1000	748	949	1100	1294	1180	1361	1172	1120	1231	1404	1165	1058	1107	1090	1321	1324	1154	1252	1219	1404	1171	747	946	762	34,974	
1952	797	526	852	469	1008	989	878	1201	1046	936	1194	1463	1735	903	1295	1545	1618	591	1254	1132	974	966	1774	1249	1256	975	1502	1015	1079	1120	1379	34,321	
1953	806	604	1346	785	691	810	1165	731	1103	1275	1657	1070	1736	2332	1738	1740	1662	2909	4391	3013	2852	2256	1732	1452	1546	1524	1085	1647	1698	1258	1544	50,468	
1954	1244	1185	672	599	372	1161	1076	1210	1664	871	860	1010	1639	1233	1350	1523	1413	1010	1443	1033	1052	741	1286	1382	1687	1578	1356	1980	1370	1594	1129	29,133	
1955	851	805	705	550	706	1101	297	364	84	955	1198	1206	588	925	750	804	596	567	967	677	93	720	731	1513	1082	728	733	416	686	783	1075	23,358	
1956	3113	3390	1030	2272	2278	2506	1782	2126	1688	1674	1933	1851	1841	1843	2197	5134	2314	2822	3641	2839	3115	2743	2933	2913	2149	2064	2359	1564	2367	1434	1132	73,606	
1957	863	943	1057	1163	325	911	684	290	1034	977	681	1008	787	1042	1403	955	1022	687	907	403	1087	1155	727	709	915	998	648	837	922	721	544	26,224	
1958	381	758	230	655	976	421	680	603	787	1170	1365	1170	910	853	1153	808	932	1216	780	553	546	781	895	1215	747	1095	396	1760	557	1399	1186	26,841	
1959	1244	1185	672	599	372	1161	1076	1210	1664	871	860	1010	1639	1233	1350	1523	1413	1010	1443	1033	1052	741	1286	1382	1687	1578	1356	1980	1370	1594	1129	28,233	
1960	924	626	635	758	616	540	1834	1496	1760	1156	686	939	1091	515	1082	428	688	409	758	598	682	924	1179	965	687	840	1051	800	753	987	1609	25,812	
1961	977	574	545	754	416	685	687	849	673	931	762	660	701	621	805	891	806	438	611	593	515	476	690	657	701	669	649	592	587	805	747	21,227	
1962	685	742	484	817	841	841	1009	1372	1237	1495	853	786	1107	770	931	969	843	916	1082	988	596	787	450	557	882	1069	887	910	912	732	802	27,277	
1963	756	1107	1063	1032	910	681	401	732	619	921	663	347	276	367	498	881	780	1009	659	640	762	466	784	551	524	707	960	111	870	720	939	21,806	
1964	847	803	1015	712	672	828	1147	836	670	579	748	788	715	634	344	866	770	934	991	1356	756	797	798	842	1009	966	908	916	741	805	1032	26,085	
1965	3669	2725	2775	2824	2681	2781	2594	2336	1813	2160	2321	2011	1836	1893	1893	1557	1885	1872	1915	1721	2169	1922	2085	2359	2177	1776	1996	2306	4124	6216	7442	80,198	
1966	1150	961	1047	889	1091	1367	1899	1720	1519	1259	1078	1108	818	1275	1010	1192	730	627	572	830	650	550	1156	1053	1103	784	746	952	862	684	882	31,504	
1967	715	739	1334	805	1253	900	871	604	968	673	621	544	808	806	908	908	870	906	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	801	23,520	
1969	816	1260	986	855	1114	1151	1545	1469	1561	1288	1139	1658	2298	2055	1759	1508	1293	1808	3639	6256	5379	3265	3570	3265	3570	1948	2473	2556	2144	2287	1356	63,868	
1970	656	609	629	458	847	685	753	641	719	816	873	1274	1088	1102	1413	1537	1670	2488	2860	2877	2475	2784	4384	5054	4281	3930	4065	4557	3324	4713	8007	63,549	
1971	1174	1077	825	958	791	653	937	1030	1535	1635	2007	1596	1574	1464	1546	2302	2584	3092	5749	5953	5901	4915	4297	3687	3128	3406	2863	2777	2633	2445	2716	78,012	
1972	966	978	1213	789	609	1018	1056	1056	861	1170	1101	1240	1202	1001	932	1043	1043	1300	1976	1820	3121	5188	4295	2899	2478	2073	1943	1653	1624	1565	1318	50,502	
1973	1088	789	1038	920	834	730	717	1068	872	833	1010	1264	1769	1090	1620	1256	2595	2634	1425	1830	1117	948	826	934	1103	1252	993	901	1158	1031	1100	36,886	
1974	1381	1035	688	944	1008	866	1291	948	1186	941	784	842	1168	1805	1475	2652	4977	5964	4164	4140	4078	3266	2490	2725	2449	2590	1846	2134	2101	1910	1681	65,496	
1975	149	1237	670	601	870	1283	858	1217	933	802	873	819	1033	1143	924	887	1028	834	1031	1125	1015	1053	880	985	1015	1426	1663	1241	1119	966	157	29,667	
1976	564	756	1124	1086	1531	474	1154	1084	1371	1320	943	1155	1457	1087	1166	1057	1450	1305	1131	1230	1205	983	898	1244	1387	1266	1166	1141	1375	1507	1206	35,543	
1977	517	713	789	873	374	677	655	349	713	637	478	766	775	1069	832	805	935	448	705	683	337	387	1093	1088	474	769	638	427	642	691	773	72,072	
1978	1009	887	853	1412	1155	1100	1258	1122	1080	845	1178	1257	1243	1535	1245	1640	2104	2329	1893	1684	1556	1580	1441	1100	1041	1340	1103	1086	1179	1039	40,454		

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981
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
1981	1559	1463	1391	1397	1346	1108	1132	806	1030	962	968	937	833	794	722	801	1235	1349	1349	1383	1385	1392	1531	1624	1592	1550	1316	2699	793	736	1091	38,274
1982	1415	1252	1174	1454	1282	1264	1082	1008	771	855	891	1119	1115	1325	1126	1301	1257	1205	1115	1293	858	847	979	1138	1347	1370	1095	1349	1055	889	974	35,205
1983	1039	1045	1115	1763	1746	1925	2781	3361	3096	3065	2411	2093	1922	1824	1735	1634	1774	1853	1779	1727	1648	1628	1655	1576	1612	1568	1473	1698	1533	1711	1598	57,368
1984	1437	1247	1461	1469	1760	1582	1646	1703	1293	1410	1074	1343	1211	1194	1317	1200	862	751	833	870	862	1196	1516	1618	1576	1632	1624	1419	1429	1443	1328	41,306

NATURAL FLOW OF ROUSE RIVER
IN SECONDS 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	857	937	871	879	1140	1215	1100	1102	1244	1435	1469	1238	1123	8163	1093	994	1041	1151	1069	1093	1369	1599	1776	1535	1284	1342				32,584
1942	1198	1073	1400	1427	1432	1446	1376	1382	1271	1261	1285	1152	1118	861	997	8179	1011	892	739	753	806	1477	1051	1150	952	922	941	1079				31,581
1943	1859	1804	1921	1657	1553	1675	1571	1797	1817	1522	1869	1359	1608	1445	1646	1758	1771	1961	1944	2154	2462	2739	3419	3440	3352	2870	2759					58,292
1944	764	878	1036	809	1046	1165	1032	1020	1159	1270	791	705	773	785	906	1053	867	858	979	842	847	622	916	794	919	798	797	754				26,305
1945	799	1012	1467	1371	1010	1077	1046	1210	2215	1737	1406	1353	1559	2131	2857	2051	1874	1550	1396	1379	1302	1115	1086	1077	1051	836	969	1056				40,062
1946	1095	1162	1061	1049	1186	986	1102	1004	914	891	1028	1132	941	961	1074	1366	1281	1232	956	1237	1279	1219	1257	1207	1482	1546	1607	1609				32,904
1947	1014	1122	953	941	993	1075	992	940	944	1148	1146	1250	2070	2423	2039	1086	1097	1277	2145	1706	1741	1834	1951	2059	1972	1832	1961	1578				43,639
1948	878	983	1021	857	836	842	747	912	727	917	666	601	697	981	917	886	1227	1411	1102	1236	1819	1458	1222	1309	1509	1340	1203					30,240
1949	682	929	852	933	842	855	943	876	787	694	698	792	700	454	754	841	611	739	1165	1074	1793	(-58)	139	827	1035	(-140)	1795	1045				22,557
1950	833	747	675	1415	1134	1244	1272	1162	1266	1259	1091	990	1165	917	1112	1042	1205	1203	1206	1279	1223	1222	1410	1412	1335	2626	2676	2654				31,295
1951	757	825	945	1261	2220	1654	2153	3731	3400	3067	3290	3246	3147	3234	3175	2295	2409	2301	2374	2198	1987	2009	1828	1815	1678	2364	1578	1840				62,979
1952	900	1781	2064	1884	1607	1456	1200	1465	1611	1470	1046	1241	1323	1272	920	1187	1745	1714	1215	1397	1183	1054	1206	1265	941	1120	949	1511				38,535
1953	1128	1301	1834	2664	2912	2350	2066	2300	1921	1772	1697	1535	1519	1505	1495	1324	1466	1293	1298	1550	958	1120	1266	1406	1258	811	1271	1117				44,245
1954	1567	1410	940	1367	1387	1208	1363	1379	1252	1425	1432	1634	2038	2230	2217	2103	1965	2093	1665	1665	1579	1715	1579	1447	1656	2120	1886	1904				46,144
1955	687	545	88	232	942	500	734	661	1274	1398	228	1605	610	778	904	960	574	723	695	962	723	412	861	863	978	697	736	698				20,222
1956	1617	804	1201	1364	1774	1696	1694	3490	2465	4125	1644	3147	1764	1968	1561	1350	1573	1604	1311	1055	1345	1784	1615	1406	2020	1598	1590	1848				52,235
1957	8	805	1053	2156	1014	710	996	790	1026	94	1862	725	760	1173	1346	741	1279	945	2199	1072	1183	1403	1168	2437	3446	4393	3906	6065				46,440
1958	1291	807	598	1558	897	1182	1005	1034	1201	1078	1211	1217	1392	1937	2689	3463	4304	2500	3199	2482	3745	2215	2609	3375	3682	4557	3244	2774				60,918
1959	1204	1019	973	1129	1414	1258	1114	1242	1150	1045	1242	1174	1086	766	1262	1193	1714	1476	1570	1524	1034	1219	1308	2178	1701	1461	1395	226				34,851
1960	733	887	1008	888	995	826	1402	1802	2714	2270	1499	1453	1146	1237	1005	920	890	1113	700	791	876	958	765	735	886	942	1640	871				38,445
1961	1273	915	1095	812	1157	471	864	878	1158	778	1256	1731	1449	1365	946	1322	1374	1272	826	920	798	593	1393	993	945	1648	598	821				29,415
1962	758	726	887	886	1034	900	932	1333	948	1286	1746	1874	2377	2353	2174	2248	1856	1814	1640	1352	1490	1396	1286	1341	1390	1154	1090	1090				29,165
1963	1564	6541	4649	6398	5355	4627	3771	3176	2849	2470	2312	2083	1830	1691	1816	1662	1656	1469	1593	1683	2775	1954	1567	1700	1564	1614	2057	1767				72,562
1964	948	838	1200	895	664	748	821	646	818	1275	804	653	920	1847	2796	993	1265	327	1116	1052	977	1060	1113	1096	536	857	1007	1048				26,530
1965	7377	3953	4996	4666	4135	3791	3561	3300	3321	2318	2744	2403	2622	2878	2756	2401	2286	2463	2444	2433	2404	2694	2787	2590	2648	2480	2386	3246				91,293
1966	938	834	785	624	544	1038	889	894	832	918	779	709	929	828	679	682	804	955	1211	667	798	842	844	786	867	1178	749	1071				23,593
1967	1920	1573	1297	1383	1776	570	1258	917	1021	1040	1021	1046	1032	1019	1081	1032	954	995	878	1241	342	473	574	1018	1103	1071	955	1166				20,034
1968	930	491	1007	1055	960	592	829	792	663	632	957	847	448	1279	715	822	781	941	1526	1962	3722	4967	3416	4499	4002	2002	2531	2293				40,645
1969	2275	1265	1519	1512	1260	1461	1426	1514	1521	1633	1416	1403	1618	1628	1640	1556	1195	1396	1821	2064	1731	1321	1299	1298	1127	1641						83,563
1970	8083	7030	1206	1658	1494	1460	1338	1451	1333	1417	1542	1628	2003	2223	2266	1644	2022	2284	2130	1961	1804	1802	1883	1848	1878	1964	2001	2004				50,864
1971	2568	3479	5467	3321	3237	2655	2274	2417	2424	2442	2947	2145	2451	2610	3379	3370	3355	3390	3393	3622	2493	3032	2491	2755	2953	2698	2498	2716				87,660
1972	1171	1426	1187	1021	1706	1354	1223	1430	1358	1317	1272	1134	1934	841	1453	1534	1558	1627	2034	1804	1546	1426	2404	2328	2130	2029	2297	2295				50,563
1973	1028	927	659	985	1793	1152	1066	953	1060	723	1190	1231	1043	1005	932	885	718	1195	1445	200	973	943	927	1013	1220	1298	1127	1461				29,085
1974	2867	1693	1608	1814	1796	1491	1357	1351	1176	1597	1506	1660	1527	1625	1515	1101	1963	1798	1823	2357	1723	1432	864	1873	1592	1624	1590	1347				45,430
1975	1085	703	891	1828	1085	820	948	840	1083	1162	1246	980	1228	1937	1084	912	1121	1508	371	1406	1125	538	664	1197	1094	1672	1120	1287				39,209
1976	1298	1207	1653	1587	921	715	811	1244	1669	759	1400	1107	1310	1178	1233	1509	1468	1432	1318	1497	841	1579	1134	1146	1310	1270	1373	1160				32,806
1977	630	766	633	827	615	664	775	755	771	766	807	741	668	742	744	920	894	882	823	558	565	772	822	745	874	291	233	698				20,230
1978	1088	1080	1008	1306	1340	1378	1301	2704	2782	2752	2755	1773	1656	1597	1680	1265	1342	1318	1454	1346	1518	1406	1346	1814	1323	1374						44,865
1979	434	628	641	716	714	715	748	749	886	515	1066	685	1821	2058	1899	1464	1470	1017	1082	974	1136	1243	971	928	814	1090	963	980				27,479
1980	927	1004	1051	1022	1044	817	826	928	860	954	820	710	710	706	899	1375	1304	1416	1178	1414	3883	2747	2482	2753	2846	2781	1926	1844				45,390

NATURAL FLOW OF THE HOISE RIVER

IN SECOND FEET

BEGINNING 1981

FEBRUARY

YEAR	IN SECOND FEET BEGINNING 1981																													TOTAL	
	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		
1981																															43,145
1982																															93,237
1983																															53,641
1984																															47,409

NATURAL FLOW OF HOLLY 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	1808	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	1495	1480	1318	1384	1712	1967	1942	1942	1942	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,774	
1942	873	1005	1035	1138	1018	1122	1054	1177	1115	1308	1403	1503	1593	1652	1660	1479	1688	1527	1468	1432	1411	1414	1442	1395	1575	1447	1464	1476	1546	1637	1988	2750	43,902
1943	3088	2982	2879	3025	3079	2745	2569	2664	2919	2526	2320	2460	2525	2825	2879	3451	3161	2860	2606	2870	2076	2076	2076	2119	2591	3009	3789	3795	7156	9555	10632	117,569	
1944	872	869	872	887	884	926	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	1320	1519	1304	1172	1552	2260	2813	2856	2341	2242	2520	2320	2510	2290	2501	49,580		
1946	1323	1580	1379	1535	1565	1948	1997	2033	2090	2342	2900	2811	4148	4131	3565	3217	2845	2526	2003	4144	5164	5371	5061	5103	4335	3767	4216	5462	6114	6618	109,302		
1947	1651	1539	1661	1803	1607	1600	1312	1485	1418	1844	2758	2911	2114	2004	2470	2946	3095	3940	4387	4397	4613	4661	4948	4541	3965	3937	3541	3553	3479	3709	3491	90,638	
1948	1087	1173	1121	1097	972	930	1157	879	1004	1343	6	1792	844	1088	1059	1126	1219	1278	1020	1160	913	1061	1117	1133	1514	1703	1392	1209	1543	2076	2080	36,678	
1949	1113	1343	1666	1746	1873	1974	1915	1913	1943	1941	2047	1984	1977	2164	2195	2425	2731	2890	2935	3221	3356	3362	3405	3446	3169	2970	2672	2564	2194	2200	2233	73,417	
1950	2848	2960	2377	2328	2154	2617	2476	2373	2225	2257	1973	1680	1486	1625	1605	1512	2191	3900	4795	3688	3185	3006	2879	2728	2773	2855	2715	2572	2294	1968	2237	71,388	
1951	1394	1634	1469	1610	2029	1084	1320	1410	935	1322	1138	1465	1318	1359	1401	2022	1928	1587	1619	1817	1817	2533	2601	2395	2338	3130	2173	4188	3971	3203	3578	62,536	
1952	1277	1253	916	1270	951	864	750	1289	1202	1187	1515	791	1219	745	1238	1622	918	1949	1592	1521	1790	1934	1937	1186	670	2625	2871	3377	3271	3813	3867	51,510	
1953	1424	1403	1427	1098	1399	1399	1165	1524	916	1628	1672	1846	1871	2153	1965	1655	1736	1786	1793	1997	1870	1090	1877	2659	2967	2933	2966	3408	3928	5376	63,365		
1954	1661	1596	1390	1774	1518	1621	1704	1870	3903	5830	5157	3497	2497	2331	2465	2141	2149	2149	2038	2091	1880	1923	2050	1942	2093	2397	2149	2160	2036	2160	2036	74,318	
1955	1238	855	810	771	689	852	1053	825	1073	1070	911	753	703	859	801	639	1005	622	1032	855	697	766	1100	680	553	1318	999	678	715	1696	1244	21,270	
1956	2003	2112	1793	1758	2375	2084	1968	2062	2267	1843	2094	534	1473	1789	1535	1532	2794	2908	3242	3040	4132	4481	5136	6000	7940	9559	9405	7904	6699	6293	5332	114,129	
1957	4123	3591	3195	2692	2732	2847	2741	2633	3376	3824	3272	3455	3264	2610	2484	2356	2737	2692	2455	2677	3212	2855	2313	3527	3828	2810	2790	2830	2819	3565	4933	91,046	
1958	2711	2292	1534	2014	1597	1821	1427	462	1364	2007	1669	1593	1372	1187	1512	1592	1702	1615	1404	966	1708	2745	3029	2405	3716	3070	2687	2901	3940	2648	2567	62,347	
1959	1347	1226	1556	1529	1516	1240	1499	1195	1614	1165	1314	1196	1101	1213	1124	1261	1144	1179	1314	1398	1351	1498	1455	1532	2174	1729	1953	1914	2153	2119	2248	46,271	
1960	542	205	1006	804	1774	1602	1592	3131	2084	1787	1142	1255	1393	1295	1246	1316	1171	1393	1605	2169	2912	2934	4985	5384	5531	6278	6291	6093	6142	5373	5910	86,415	
1961	1077	866	1028	766	1007	951	920	802	721	1070	889	760	1072	1030	1201	1053	1979	1822	1679	1843	1771	1679	2573	2414	2072	2439	1909	1971	1713	2051	45,615		
1962	1049	1197	1208	1224	1313	1182	1182	1265	1223	1064	1277	919	1165	1117	1013	1035	840	1013	1055	1408	1494	1494	1697	1184	1420	1506	1666	1960	2057	2053	2084	41,356	
1963	1952	1424	1539	1426	1237	1316	1275	1293	1294	1300	1230	1408	1289	1145	1097	1208	1178	1097	975	1174	1040	1264	1351	1590	1465	1341	1408	2060	3680	2616	2208	45,752	
1964	1148	1300	1086	826	1021	1072	1000	971	800	942	914	991	932	978	930	898	898	1053	1260	1057	1406	1406	1255	1053	1190	1462	1206	1299	1359	1600	2345	35,609	
1965	3363	2531	2886	3330	1915	2782	2927	2909	3201	3372	3686	3471	3469	3504	3260	3404	3249	3515	3765	3161	3016	2638	2699	2694	2360	2705	2805	2521	2432	2597	2820	92,765	
1966	555	815	847	590	725	849	933	1013	1145	1359	1364	1367	1525	2089	2286	1956	1964	1501	1398	1306	1606	1264	1195	1153	1196	1395	1945	2708	3152	3641	4142	48,580	
1967	1799	1011	1044	1049	1037	1168	954	961	1182	1046	1284	890	1234	966	1046	1143	864	1245	1477	1530	1035	1820	1690	1919	2011	1734	1842	1742	1882	2077	1538	41,790	
1968	2792	2245	2276	2332	2344	2515	2408	2299	1915	2064	1736	1706	1724	1624	1721	1572	1751	1617	1471	1440	1393	1427	1409	1786	1871	2193	2044	1644	1890	1935	2370	50,646	
1969	1374	1522	1779	1495	1472	1668	1809	1394	1799	1442	1300	1354	1404	1549	1825	1505	1678	1997	1933	2171	2118	2150	2572	3004	2604	2934	3391	4205	4209	5775	6602	71,964	
1970	2210	2691	2593	2754	2009	1906	1850	2021	2138	2599	2349	2346	2168	2155	2372	2781	2896	2599	2411	2258	2199	2721	2312	2609	2611	2713	2642	2546	2636	2839	2460	74,510	
1971	2484	2082	2103	2377	2444	1473	2801	2055	2065	2089	2405	2602	3113	3449	3290	3062	2817	2738	2474	2399	2693	2912	3301	3964	4499	5085	6644	6828	6599	6178	6684	105,747	
1972	6302	4995	6093	7200	5401	5032	4896	4899	4899	5325	6749	8216	8572	9120	8603	8485	8855	10958	10958	10958	10958	10958	10958	10958	10958	10958	10958	10958	10958	10958	10958	253,293	
1973	1461	1947	1516	1502	1532	1347	1302	1335	1307	1204	1520	1453	1176	1243	1248	1031	1220	1647	1470	1470	1452	1377	1530	1484	1892	1771	2001	1993	1827	1767	1699	46,460	
1974	1611	1318	3388	1547	2006	2176	2417	2887	1439	2552	2520	1985	2391	3450	3187	3031	4072	2482	6791	5707	5990	5008	4136	5181	5036	5361	6178	7088	8492	8894	9277	129,893	
1975	1317	1726	2390	2284	1987	2254	1995	1971	3379	2132	2055	2310	2390	1980	1684	2127	2155	2100	2411	3101	3034	2674	2808	2825	2811	3114	2376	2342	1716	1835	2185	72,077	
1976	2034	1229	1324	1304	1243	819	1409	1905	1706	1421	1526	1536	1345	1304	2240	1979	1815	1599	2117	2189	1895	1894	1393	1960	2478	1972	1630	1976	2184	1698	2214	54,120	
1977	869	1106	431	881	503	671	346	934	1038	1086	582	982	952	725	922	691	561	542	760	531	531	732	439	1022	531	610	802	1320	317	232	508	21,303	
1978	1528	1277	1365	1840	1873	1274	2075	2117	2240	2427	2033	2161	2657	2161	2657	2161	2657	2161	2657	2161	2657	2161	2657	2161	2657	2161	2657	2161	2657	2161	2657	110,165	
1979	961	917	986	800	720	1229	1132	1631	1531	1172	1622	1378	1819	1716	1667	2178	1725	1725	2263	2060	1944	2088	1732	1877	2184	2091	2164	2284	2261	2084	1743	52,893	
1980	2337	2160	2246	2332	2417	2275	2112	1813	1620	1978	1734	1913	1311	1460	2037	2154	1951	1813	1959	1770	1375	2043	2100	2212	2212								

NATURAL FLOW OF THE BOISE RIVER

IN SECOND FEET
BEGINNING 1981

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
1981	1717	1716	1656	1536	1412	1934	1384	1943	1702	1728	1702	1478	1753	1800	1734	1837	1977	1836	1701	1740	2480	1769	2033	1813	1691	2107	2174	2305	2203	2183	2397	57,521
1982	3835	4026	4647	4407	4167	3708	3634	3518	3538	3255	3660	4647	4634	4678	4433	4412	4091	3981	4075	3457	3486	3497	3113	3177	3265	3445	4251	4290	4459	4441	4342	122,429
1983	3883	3703	5694	6430	6133	6122	5883	5673	4919	5134	6098	9357	9320	9984	9866	8451	6448	7279	5743	5042	4233	4919	4344	4084	3853	3674	3526	3664	3994	3756	4966	175,415
1984	1653	1692	1768	1925	1934	1917	1578	2173	2443	2899	3357	3647	3636	3645	4476	4708	3736	4479	4448	4218	4400	6276	5899	5550	5369	5100	4728	4399	4218	3874	3816	114,361

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	3416	3237	2558	2618	2631	2830	3468	3201	3339	3369	3396	3653	3394	3243	2963	2670	2287	2310	2452	2699	3128	3001	3316	3343	4090	4429	94,150	
1942	2532	2973	3284	3141	4037	3705	3979	4215	4659	5444	6001	7073	8215	8731	9411	8204	6527	6620	6098	5958	6286	7179	8362	7355	6099	5718	5933	4620	3317	4353	170,811	
1943	8908	10250	14430	14901	13749	13264	14663	16969	21255	18707	16108	16191	18504	20265	21622	22310	23279	23040	23312	22450	18721	17930	15508	15482	14783	13016	12110	11161	14952	13643	503,266	
1944	1584	1786	2125	2865	2726	3144	2693	2599	2262	2605	2376	3092	3326	2841	2321	2302	2317	2105	2274	2185	2348	2613	2821	3624	3471	3330	3282	3712	4231	101,184		
1945	2621	2430	2282	2132	2295	1890	2576	2192	2552	2329	2057	2075	2045	1985	2296	2002	2706	2855	3445	4460	6135	7701	6650	6101	5125	4366	3792	3729	3766	4622	319,902	
1946	6008	4982	4552	4717	4441	5216	6160	6164	6222	5847	5218	5919	7596	10219	12232	13591	14780	17309	18812	18160	15103	13559	11548	11850	13257	15441	16665	15853	14226	13167	144,700	
1947	4810	4145	4006	3747	3576	3468	3434	2289	3477	2684	2917	2808	3062	3250	2437	2532	6149	6379	6204	6172	6318	6123	6001	5401	5356	5760	6190	6992	7300	132,212		
1948	1740	2024	2650	2767	2723	2232	2269	1997	1837	2190	2201	2152	2155	2255	2318	3724	5472	10555	9536	6096	6036	6732	6461	5930	5108	4452	4411	5165	200,274			
1949	2433	2870	3339	3555	4184	5078	5780	5966	6176	6527	6860	7696	7761	5943	5770	5886	7130	7705	9413	10308	8993	7089	8258	8197	10023	9325	8906	9226	9241	9046	201,309	
1950	2888	3787	4629	4125	4107	3695	4251	4659	5124	4670	5841	5921	6521	7416	7543	7141	8012	8713	9289	8938	9897	11164	11174	10063	7888	7196	6937	7247	6579	6012	270,404	
1951	3609	3674	4934	5802	7194	8634	9851	10722	10765	10160	10651	9341	9843	11541	11209	13094	10778	11159	11616	11612	10306	9734	8254	8001	8008	7476	7865	8291	11575	11017	339,945	
1952	3531	3410	3373	3712	4754	6669	8107	9277	7704	6989	6942	7143	8548	9935	11088	9967	10520	12544	14976	14725	12961	12931	12066	13904	17015	18667	22902	23429	21634	18984	164,683	
1953	4733	3869	3933	3881	4380	4107	4937	3346	3592	3659	2608	2514	2635	2480	1956	2836	2255	3181	3999	3531	6349	7202	9882	9241	10535	9020	9669	11656	12779	9568	190,860	
1954	1654	1675	1808	2259	3119	4933	5009	4338	4362	4339	3939	4072	4879	6936	7452	7233	7449	9256	10020	9628	8427	7333	8039	8101	8442	8934	8939	9397	9370	8438	64,916	
1955	1222	1007	1639	1090	1161	1218	1436	2087	2675	3028	3344	2393	1928	2156	1764	1674	1764	2184	2109	2132	1987	2528	3387	3314	2832	2520	2750	2688	2198	2241	270,251	
1956	6009	6148	5364	5394	5507	5628	5934	5774	5660	5795	7116	9006	9277	10213	11651	12390	13489	12607	12497	14959	15071	16939	17221	16180	15141	13577	15057	13854	13131	11832	180,628	
1957	4004	3798	3934	3870	4137	6579	6486	5838	5107	5172	8513	6599	6591	6119	6943	6696	6523	6132	6122	6532	6317	6536	6892	6800	6243	5500	5385	5949	7427	161,089		
1958	2915	3061	3505	3911	3740	3464	3334	3515	3536	3412	4006	3696	4066	5278	6371	6712	7606	8555	9242	8944	8577	9218	8207	6927	6108	5308	4930	4630	4415	4565	130,367	
1959	2099	2218	3632	3010	3547	6128	6612	5665	4329	4560	4178	4443	4061	5578	5727	4912	4407	3914	3739	3649	3545	3737	2918	3864	4659	5445	6322	5600	5174	5025	179,494	
1960	4550	4339	4121	4393	5945	7795	10842	10443	10930	11165	10822	9142	7933	7136	6422	5500	4990	4575	4182	4772	4571	4417	4662	3847	4034	3759	3422	3729	3741	3085	86,032	
1961	2366	2240	2732	4486	4618	3749	3110	3004	2876	2080	2387	2187	2594	2382	2237	2346	2087	3175	4469	4030	3214	3765	3560	2072	2364	2358	2186	2368	2765	2835	203,928	
1962	2688	3256	3779	4444	4795	5065	5650	6988	5777	4682	4041	4147	4455	5537	6996	8398	8570	8927	10169	11345	9348	8780	8620	9355	8675	8000	8306	8152	6612	90,149		
1963	2062	2080	1853	1701	1796	2279	4777	4708	3955	3481	3134	2874	2554	2082	7939	4432	3516	3032	2913	3106	2931	2487	2413	2531	2412	2571	2059	3276	3528	4028	131,083	
1964	3694	4487	3913	3680	4020	4352	3738	3714	3812	4341	5712	4231	3996	4063	4865	5595	4471	4524	4556	4745	5258	5310	4826	3814	3665	3757	3326	3702	5277	312,070		
1965	3160	4099	6094	5322	5339	5508	6152	6046	6034	6033	6161	5868	5878	6459	7256	8547	10007	9260	8789	12273	16365	20258	20854	10531	17595	17086	16551	16734	16395	16772	124,151	
1966	5060	5170	5575	4908	4200	3951	4352	4745	4933	5404	5790	4817	4792	4792	3703	3733	3753	4559	4971	4464	4729	3407	3107	2968	2930	2930	3267	3797	3732	3001	69,215	
1967	1866	1502	1595	1523	1774	2302	2053	2040	2234	2257	2118	2728	2741	2944	3155	2966	2738	2389	2321	3000	2460	2157	2105	2039	2106	2198	2209	2604	2075	197,137		
1968	2511	2859	3177	2905	2942	3113	2833	2578	2521	2242	2397	2013	2950	2904	2723	2773	2597	2521	2261	2381	2225	2205	2018	2000	2170	2315	2169	2227	2288	2672	76,364	
1969	8134	8071	9402	10143	10081	11500	13417	11777	9706	9820	10562	11117	10807	11720	11006	10301	10181	10526	12042	11193	10447	10772	13232	15935	15971	12032	10124	9214	8729	9170	327,092	
1970	2516	2247	2370	2248	2249	2650	3545	4343	3332	4006	5127	4799	4166	3991	3672	3821	4537	4014	3038	3403	3045	4000	4037	4752	4865	4746	4808	4590	4564	2594	94,834	
1971	7027	6466	6414	6492	7553	8465	9539	9507	9374	8938	7977	7229	7614	8612	9276	10380	9911	9406	10889	11573	12622	12336	11545	10590	9870	9505	9295	9328	10054	274,181		
1972	4902	4876	5204	6512	6506	7497	9010	9800	8002	7873	7222	7185	6841	6996	5404	5886	5793	5717	5569	5138	5195	5746	5820	6000	6891	6703	6355	6855	8157	9127	197,137	
1973	1799	1699	1676	1667	1989	2187	2359	2523	2156	2317	2424	2531	2871	4685	4343	4046	4007	4027	3557	3184	2803	2668	2804	2852	3103	3434	3700	4282	4433	4160	90,355	
1974	8015	8408	6921	6284	5769	5585	5938	6075	6606	7119	7014	7847	7990	7880	7634	8467	9193	10399	11901	12644	13754	12420	13766	13710	17437	17801	15525	12624	11024	10023	297,957	
1975	2172	1074	1949	2071	1843	2032	2185	1939	1822	2024	1973	1934	2310	3046	3014	3140	3715	3509	4315	4142	4619	4811	5084	5518	5450	5067	5156	4851	4164	4027	102,329	
1976	2346	2722	3458	3647	4160	4866	7155	7093	6658	10334	9143	8095	8789	8065	7908	7840	6883	5695	5282	5451	5685	6072	6375	5937	5982	7075	6388	6220	5762	5626	191,618	
1977	561	372	379	757	660	1092	1420	1486	1776	1887	1562	1508	1538	1495	1362	1205	1325	613	1242	1107	1238	1142	1251	1513	1371	1573	1536	1301	1518	30,129		
1978	8671	10712	9317	6922	6467	5603	5274	5553	5105	5172	5180	6699	6587	6501	6167	6240	7029	6188	5540	5764	5508	5526	4516	4608	5204	6599	3023	7437	7838	190,609		
1979	1285	1890	1628	1468	1468	1372	1536	2065	1822	2106	2471	2454	2315	1981	1955	1322	1981	2472	3035	3181	2686	2434	2141	2360	2311	2308	2411	2733	3162	3508	70,210	
1980	1213	1917	1973	1786	1870	2115	2503	2064	2154	2249	2123	2301	2252	3353	3763	4506	5403	5702	7808	8978	10195	10906	10360	10462	12736	12086	10135	11237	12012	12645	181,552	

NATURAL FLOW OF ROUSE RIVER
IN SECOND FLEET
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	3537	2758	2618	2631	2850	3468	3701	3339	3809	3396	3665	3794	3743	2953	2670	2387	2370	2452	2699	3128	3001	3316	3743	4070	4473	94,150	
1942	2532	2713	3284	3741	4037	3705	3079	4215	4659	5444	6001	7073	8215	8731	9411	8204	6527	6620	6098	5958	6528	7179	8362	7355	6099	5718	5073	4680	3317	4353	170,811	
1943	8908	10250	14430	14901	13749	13264	14663	16959	21255	18207	16130	16191	10594	20265	21625	22710	23279	23040	23312	22450	18721	17930	15208	15492	14793	13616	12110	11161	14932	13643	503,266	
1944	1384	1786	2125	2865	2726	3144	2693	2398	2622	2605	2376	3092	3326	2841	2321	2302	2317	2310	2185	2348	2613	2021	3624	3471	3171	3330	3282	3712	4231	101,184		
1945	2611	2430	2202	2132	2205	1870	2576	2192	2322	2323	2057	2075	2045	1985	2296	2082	2706	2855	2445	4460	6135	7701	6650	6101	5125	4326	3792	3729	3760	4622	319,302	
1946	6008	4782	4532	4717	4941	5216	6160	6164	6222	5847	5218	5918	7596	10219	12252	13581	14780	17309	18812	18660	15103	13259	11548	11850	13257	15441	16663	15053	14226	13167	144,700	
1947	4810	4145	4068	3747	3576	3468	3434	2789	3477	2684	2917	2684	3052	3220	4471	5632	6149	6379	6284	6172	6310	6123	6001	5401	5356	5760	6190	6992	7300	132,212		
1948	1740	2024	2650	2767	2723	2232	2269	1973	1837	2190	2201	2152	2152	2437	2518	3124	5432	10555	8536	6896	6096	6614	8938	6732	6461	5890	5108	4432	4411	5165	201,274	
1949	2433	2970	3339	3553	4184	5078	5780	5966	6176	6527	6660	7696	7161	5943	5730	5806	7130	7765	9413	10308	8593	7089	8258	8197	10023	8926	8066	9226	9241	9046	201,209	
1950	2808	3787	4629	4125	4107	3095	4251	4659	5124	4670	5041	5921	6321	7418	7543	7141	8012	8713	9209	8968	9687	11164	11174	10063	7848	7106	6937	7247	6579	6012	270,464	
1951	3609	3874	4934	5892	7194	8654	9851	10722	10765	10360	10651	9341	9843	11541	11209	13074	10778	11159	11616	11612	10306	9734	8554	8001	8008	7476	7065	8281	11575	11017	330,945	
1952	3257	3410	3379	3712	4254	6669	8193	9277	7784	6989	6942	7143	8548	9335	11008	9267	10520	12544	14976	14725	12061	12031	13206	13904	17015	18667	22302	23429	21634	18944	114,683	
1953	4733	3869	3933	3881	4300	4107	4957	3346	3502	3668	2608	2514	2635	2480	1956	2836	2255	3181	3709	3531	6349	7202	9802	9941	10535	9070	9669	11656	12779	9568	170,860	
1954	2915	2061	3065	3911	3740	3464	3734	3315	3336	3412	4006	3696	4066	4624	6371	6712	7606	8552	9242	8944	8207	6937	6108	3308	4930	4630	4415	4565	9371	9370	8438	64,916
1955	2099	2218	2632	3010	3547	6128	6612	5665	4929	4560	4178	4443	4061	5598	5727	4912	4407	3014	3709	3649	3545	2737	2910	3064	4659	5445	6522	5600	5174	3025	179,494	
1956	4550	4339	4121	4333	5945	7785	10242	10483	10930	11165	10822	9142	7933	7136	6422	5500	4990	4575	4182	4772	4571	4417	4669	3947	4034	3759	3422	3729	3741	3855	310,251	
1957	6009	6148	5364	5584	5507	5628	5934	5774	5660	5195	7116	9006	9277	10215	11651	12390	13489	12607	12407	14939	15071	16939	17221	16190	15141	13577	15057	13854	13121	11832	180,628	
1958	4004	3798	3834	3800	4137	6579	6486	5870	5107	5778	8513	6589	6591	6719	6943	6696	6323	6132	6122	6532	6317	6536	6892	6800	6243	5500	5385	5949	7427	161,889		
1959	2915	2061	3065	3911	3740	3464	3734	3315	3336	3412	4006	3696	4066	4624	6371	6712	7606	8552	9242	8944	8207	6937	6108	3308	4930	4630	4415	4565	9371	9370	8438	130,367
1960	4550	4339	4121	4333	5945	7785	10242	10483	10930	11165	10822	9142	7933	7136	6422	5500	4990	4575	4182	4772	4571	4417	4669	3947	4034	3759	3422	3729	3741	3855	179,494	
1961	2366	2260	3232	4486	4518	3749	3710	3004	3076	2080	2387	2187	2594	2392	2237	2346	2087	3175	4469	4020	3214	3765	3560	2072	2364	2390	2186	2368	2765	2835	66,032	
1962	2688	3256	3713	4444	4755	5965	5650	6008	5777	4682	4041	4147	4455	5557	6096	6598	6570	6599	9027	10169	11343	9548	8780	8520	9355	8675	8000	8306	8152	6612	203,298	
1963	2062	2080	1853	1701	1796	2279	4777	4708	3955	3481	3014	2874	2554	2082	3739	4432	3516	3092	2913	3106	2031	2487	2413	2531	2412	2571	2859	3276	3508	4078	90,149	
1964	3694	4487	3913	3680	4020	4352	3938	3744	3812	4341	5912	5991	4233	3096	4063	4865	5595	4471	4524	4556	4745	5558	5310	4826	3014	3665	2757	3226	3702	5277	131,003	
1965	3160	4099	6098	5322	5379	5508	6152	6046	6034	6833	6161	5868	5078	6459	7236	8347	10007	9560	8789	12273	16365	20258	20854	18531	17595	17086	16351	16734	16335	16772	312,070	
1966	5060	5170	5375	4908	4200	3951	4332	4745	4753	5404	5350	4817	4792	3703	3933	3753	4559	4971	4464	4779	3487	3107	2968	2070	2930	2767	3797	3732	3001	3533	124,151	
1967	1866	1502	1595	1523	1774	2302	2053	2040	2274	2257	2118	2728	2741	2944	3155	2986	2730	2393	2391	2600	2460	2426	2157	2165	2099	2106	2198	2209	2604	2975	69,215	
1968	2511	2859	3177	2995	2942	3113	2833	2578	2521	2242	2297	2013	2590	2904	2723	2773	2597	2591	2261	2381	2223	2203	2018	2000	2170	2315	2169	2227	2700	2672	76,364	
1969	8134	8071	9402	10143	10084	11500	13417	11777	9766	9870	10262	11117	10807	11720	11006	10561	10188	10526	12042	11193	10447	10772	12032	12935	15971	12032	10124	9214	8729	9170	327,002	
1970	2516	2747	2730	2248	2449	2650	3545	4343	3352	4006	5127	4799	4166	3791	3672	3231	2537	2804	3028	3803	3045	2800	2837	2752	2865	2746	2808	2580	2584	2565	94,834	
1971	7027	6466	6414	6492	6755	7533	8465	9379	9507	9274	8938	7977	7229	7614	8612	9726	10380	9911	9406	10088	11523	12622	12336	11545	10590	5870	9893	9293	9320	10054	274,181	
1972	4902	4078	5204	6512	6596	7407	9010	9800	8802	7873	7222	7195	6841	6596	5404	5886	5753	5712	5569	5138	5746	5820	6691	6783	6355	6855	8157	9127	197,137			
1973	1799	1694	1628	1667	1995	2182	2350	2323	2156	2317	2424	2591	2871	4665	4343	4046	4007	4027	4027	3194	2803	2668	2804	2852	3103	3434	3700	4282	4433	4160	90,355	
1974	9015	8018	6921	6284	5769	5985	5958	6075	6666	7819	7064	7847	7790	7880	7854	8457	9193	10799	11971	13244	13754	13400	13766	13710	13437	17801	15585	12624	11024	10073	490,609	
1975	2173	1974	1949	2071	1843	2082	2165	1959	1827	2074	1973	1934	1934	3046	3044	3180	3115	3109	4515	4142	4673	4811	5004	5518	5490	5869	5156	4851	4164	4627	277,557	
1976	2246	2722	3438	3607	4165	5466	7155	7073	8668	10734	9143	9075	8289	8063	7988	7840	6883	5953	5382	5451	5945	6672	6375	5937	5992	7075	6398	6290	5362	5646	191,648	
1977	561	273	379	737	660	1092	1420	1486	1776	1887	1562	1508	1338	1425	1369	1205	1323	643	1242	1102	1238	1157	1142	1293	1323	1536	1308	1348	30,129			
1978	4631	4070	4717	6627	6467	5603	5274	5553	5195	5123	5180	6696	6587	5731	6162	6240	2079	6188	5548	5764	5908	5126	4516	4680	5204	6599	3023	3437	3837	890,609		
1979	1185	1920	1658	1468	1327	1516	2065	1827	2106	2471	2454	2154	1981	1955	1327	1381	2427	3035	3181	2646	2424	2141	2360	2341	2798	2410	2713	3842	3508	3579	70,200	
1980	1215	1913	1913	1786	1820	2415	2793	2064	2354	2749	2474	2308	2767	3353	3363	4506	3403	3700	3800	4919	10495	10606	10360	11462	12738	12086	10495	11255	12027	12925	28	

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981

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	TOTAL
1981	2001	2396	3020	1776	1841	1773	1750	2018	1789	1868	1796	1650	1669	1646	1806	1948	2777	2358	3210	4740	6506	5908	5352	5347	6148	6153	6813	6289	5695	5877	102,610
1982	4395	5895	3740	3694	3508	3301	3305	3177	2996	3264	3844	6690	9479	9586	9794	8303	7563	7000	6497	6008	5643	5935	6981	9080	10888	12035	12148	12763	13228	12770	211,444
1983	5549	5499	5416	5212	4733	4478	4340	4231	4423	4413	4308	4197	4155	3967	3786	3893	4280	4825	5650	6390	7952	9120	10240	13460	17170	13229	10603	9242	8709	9118	202,548
1984	3502	3489	4159	4478	4627	5082	5574	5594	6572	6422	6083	5359	4961	4848	4927	6088	9101	12940	13688	12510	10343	9655	9705	10718	10020	9667	8253	7286	6493	6251	219,285

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	4398	4367	5129	7286	8408	7496	6193	5543	5536	5708	5101	4809	4875	5676	6643	7222	7101	8861	8155	6437	5934	5620	182,610
1942	3799	4010	3767	3545	3454	3481	3320	3456	3734	4349	4417	4364	4144	4087	4044	4151	4093	3815	3706	3607	4044	4664	6593	9166	8745	10608	10690	8987	7899	6931	6560	166,708
1943	13118	14472	15282	15085	15650	14732	12884	11194	10220	10225	9810	9272	8431	8266	7851	7404	7041	7009	6906	7316	8041	8851	10237	12454	14459	14553	16433	15372	15465	16213	16835	361,402
1944	4472	4415	3900	3741	3793	4412	5143	5600	5514	5168	5134	5178	5509	6027	7039	7632	7270	6542	5688	4361	4248	4142	3824	3550	3409	3269	3167	3721	4432	5526	151,604	
1945	5984	6970	8051	10592	11644	10720	9978	9101	9082	9218	10409	9101	8230	8448	7555	6877	7216	7208	6601	5903	5382	5033	4953	5600	6638	6372	6539	6147	6432	6932	236,577	
1946	11798	10953	10759	10837	12416	13481	13844	13260	12128	11745	10582	10286	9306	9563	9170	9087	9507	10011	10750	10746	10134	9935	10297	9414	8760	8863	10914	10528	10264	9346	375,870	
1947	6839	7787	10947	11509	11660	11547	11766	12275	13838	11347	10891	9933	8473	7965	7504	7233	7063	7056	7143	6705	7407	7316	7348	7862	8080	7846	6708	6497			272,882	
1948	4839	4538	3728	4393	4204	4307	5335	6539	6472	5787	5101	4613	5081	5491	6409	7046	8026	10024	11750	12004	11159	9208	9347	9066	9469	11787	12502	14185	15260	17357	11342	252,896
1949	8007	7859	7339	6690	6507	6211	6444	7137	8178	9179	9784	10220	11540	11085	12413	12859	11584	12700	11233	10978	10319	9262	8496	8361	7507	8278	8103	9273	9361	9521	9007	285,035
1950	5296	6568	5497	6494	5130	5004	4336	4438	5086	4557	5445	5562	6917	9553	11897	13368	13673	12924	12338	9812	3287	10832	12137	13534	13021	11443	11008	11542	11799	11580	11627	281,545
1951	9166	8345	7287	7238	7299	8201	9727	12201	11990	12328	12460	13137	12371	10539	9707	8739	9206	10377	11258	11497	11630	11353	12590	12793	13796	12825	12646	13081	14065	12879	10811	342,447
1952	14339	15047	16512	18001	18955	15793	16478	12254	12850	12759	13093	12803	13288	13067	13506	13044	13377	13270	13619	16732	16930	12150	11442	10732	9263	8974	9657	10360	11241	12253	12791	450,817
1953	7935	6443	5512	5136	4792	6975	7343	8156	7593	6041	6151	5378	5134	5266	5443	5816	6200	7359	7119	9554	9160	7865	7064	6757	5481	5115	4725	4821	8039	6181	6898	201,791
1954	7649	6935	5818	6237	6124	8165	8936	9704	10054	11776	13207	12834	11973	11088	10493	10814	11452	12331	12276	12444	14660	13667	11100	9763	8933	8649	7664	6614	5793	5228	4374	229,775
1955	3601	4105	4040	3526	4134	5011	6687	7088	8417	8309	7326	7939	7818	7917	6904	5932	4734	4318	4549	5909	7348	9905	9657	8668	7661	6974	6186	5930	5467	5763	6712	198,635
1956	10218	10200	9871	10211	10496	10876	11384	10702	11094	11378	10238	9987	8960	7933	8238	9716	11258	14370	15780	16976	18860	19581	20134	22949	20931	19423	19484	17472	16500	16079		420,677
1957	9409	10872	11712	11716	10375	9666	11185	12224	12850	12759	13093	12803	13288	13067	13506	13044	13377	13270	13619	16732	16930	12150	11442	10732	9263	8974	9657	10360	11241	12253	12791	376,370
1958	4928	6924	8265	9039	11248	13513	14715	13949	13545	14570	15390	17413	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	17483	473,187
1959	5070	7805	6827	6045	5108	4994	4463	4717	4859	5013	4497	4591	4736	5934	7852	9040	7953	7080	6054	5228	4541	4930	4240	4352	4312	4193	4039	4271	4133	3700	3591	165,797
1960	3922	4261	4763	5023	5203	5127	5734	6438	6965	6909	8763	10699	11842	11130	8927	7912	7473	6667	6028	5170	5075	4941	4367	4367	4367	4367	4367	4367	4367	4367	4367	187,181
1961	3605	3783	4617	4094	4042	3808	3334	2423	3246	2857	4028	3591	3619	3037	3477	4048	3907	4219	3877	4241	5448	5761	5954	6612	7773	7721	7830	7493	6624	6442	7610	149,409
1962	5923	5434	5382	5560	6148	6512	7110	7186	8119	8257	8418	8076	7119	6456	6170	5872	5189	5656	6193	6294	6047	5717	6431	7609	7251	7021	6491	6557	6308	6731		203,229
1963	5374	5703	5653	5674	5329	5708	6273	6450	6695	6577	6139	5546	5105	5078	4731	4947	5387	5940	6881	8164	8736	9586	10149	11480	11183	10794	10533	9380	9276	9108	9029	226,458
1964	7016	7795	6526	5226	4862	4139	4017	4340	4538	4562	3850	6130	6761	7602	8271	8596	9083	9949	9720	10053	10938	10763	9732	8614	7798	7008	7457	7523	7869	7611	7157	228,640
1965	20593	19705	17118	14545	13382	11788	10434	8291	9438	8986	8738	9811	11222	12687	14355	15060	15535	16142	15939	14140	14144	14677	15156	14067	12773	11853	12018	12761	13026	15128		418,116
1966	7993	7074	3937	4545	5655	6340	7666	8082	7676	8225	7761	7305	5982	5063	5044	4127	4032	3783	3695	3808	4193	4794	5282	4618	4260	4233	4737	5317	5925	6032	6015	163,377
1967	1974	1774	1825	2055	2322	2523	3457	4597	5789	7085	8157	6279	5159	4313	4093	5150	7036	9036	10116	11138	11392	11900	13897	15178	15598	14202	1443	10418	11078	11004	10027	241,572
1968	3707	3710	4448	4102	4785	4681	3750	3401	3149	3253	3905	3970	4084	4568	4106	3518	2042	3045	3392	3791	6212	6092	5605	4066	4677	4540	3749	3628	3703	4038	5318	129,643
1969	8412	8161	7515	7224	7211	8197	9647	11346	12959	14478	15175	15306	15931	14736	13503	13133	14151	12041	12959	12694	11537	10399	10036	10967	11394	12672	13146	12306	10997	9837	9801	362,161
1970	2640	2864	2509	4953	6718	8031	10103	11354	7914	8318	8112	6305	6928	4825	3453	4900	6311	9047	13401	13590	13328	12653	11660	14472	13140	13737	14085	14847	14533	10667	9541	288,595
1971	10959	12680	15962	18576	18600	18022	17845	17654	17953	17779	17985	18414	18983	20253	19203	17182	16564	14143	12074	10706	9930	9038	8672	8910	9231	10126	12161	14400	15038	16027	15741	461,307
1972	8101	7330	7225	8998	10745	12437	12976	14066	14162	12567	11099	11362	11766	12342	13746	14976	15526	16345	14871	13565	13181	12620	11234	10194	9774	9868	9772	10277	12353	14460	16312	376,131
1973	3805	3718	3588	3820	3943	4076	4000	4508	5044	4767	4354	4346	4571	5147	5508	6605	7449	8334	9289	9555	8720	7840	6641	6196	6364	6691	5901	4908	4634	4548	4671	174,109
1974	11206	12060	13114	13253	13994	14674	15950	16728	18409	18991	16513	13937	12591	11306	9885	8778	7937	7541	7034	6273	6093	6444	6581	7363	8120	9012	12265	16170	16950	15037	12059	368,397
1975	4213	4598	5119	7046	6620	5637	5704	4154	5079	6308	8471	11106	10278	12834	15977	19598	20618	10122	17160	16004	11787	10546	9344	9211	8705	8026	7791	8168	8846	9646	11004	303,492
1976	6139	7296	8617	9318	9616	9412	7315	8073	10435	10677	12376	13232	12517	12461	13453	12619	11853	12008	11881	11214	10548	9106	9264	9467	9460	9609	9291	9785	9480	9508	8925	318,525
1977	1635	1604	1717	1449	1484	1343	1405	1359	1301	1287	1395	1522	1333	1414	1381	1341	1426	1366	1222	1312	1276	1257	1275	1646	2359	1885	1863	2042	1803	1516	1377	46,838
1978	7638	7145	6419	8892	8165	6880	7353	7145	6825	6819	7571	8917	1316	7363	7653	11303	9237	7927	7150	6085	6391	7734	9067	9916	9074	7279	6456	6082	5973	6803	7153	235,484
1979																																

INTERNATIONAL FLOW OF THE BOISE RIVER

IN SECOND FEET

BEGUNNING 1981

A

YEAR	BEGINNING 1981																															TOTAL
	MAY																															
	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	
1981	7137	8109	8046	7804	6154	5822	4678	4212	4200	3866	3659	3635	3278	3378	3666	3778	3421	3329	3840	4642	6037	5684	5863	5050	6105	7090	8005	7585	7290	7378	7758	171,549
1982	12846	13078	16658	19155	16085	14099	13796	12543	11650	10826	10350	10224	10728	11891	13121	14853	15536	17269	16000	15807	14916	13614	13412	13412	16118	17152	18325	16851	13999	11595	10025	441,824
1983	10563	11256	11308	11578	12338	14091	14161	12504	13700	10616	9489	8992	7652	7213	6998	7259	7242	7757	8935	9838	11192	13756	15010	16334	18592	21071	22715	22903	23432	24294	24121	415,550
1984	9534	9731	8234	6538	6286	6135	5951	5699	5937	6532	8175	8807	10890	14475	18574	22450	17707	15720	11179	14012	15377	15165	14079	13300	13173	12155	11467	12047	12327	13532	16366	353,052

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

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	5976	5273	4713	4995	5028	4485	5212	6341	5866	5148	4826	4982	5120	5417	5474	5217	4718	4330	4612	4450	4067	3541	3436	3300	3016	3077	2668	2626	2656	2460	133,209	
1942	6871	5732	5656	5372	6318	6766	8006	9395	9468	9502	8497	7225	6400	6171	6105	6822	6402	5525	5420	5117	4453	4427	4650	4756	4806	4527	4024	3862	3701	181,187		
1943	15537	14734	12762	11286	10258	8939	8350	8004	7816	8370	9666	10493	11511	11171	10305	10065	9048	9718	11071	12594	11249	10070	10859	10635	9768	9455	9403	9715	9720	9755	125,463	
1944	5731	5553	5041	4708	4399	4158	4093	4084	4593	4477	4234	4137	4007	4065	4095	4112	3762	3506	3592	3888	3933	3924	3606	3689	3732	3741	3584	3228	3004	202,998		
1945	7248	7354	8171	8810	8471	7956	7954	7816	6873	8293	7485	6911	6696	6727	6164	5678	5345	5416	5806	6460	7091	7389	7317	7137	6538	6653	5948	5117	4311	3765	189,411	
1946	7930	7337	7765	9115	10131	9775	9665	8249	7785	7457	7621	6965	6809	6199	6482	6365	5313	5539	5244	5934	5103	5241	4827	5035	4556	3994	3317	3467	3541	3406	148,620	
1947	7015	6097	6980	6014	5562	5799	5342	6372	6867	5931	5421	4350	4903	4373	4785	4562	5031	5334	4705	4814	4215	3548	3663	3798	3651	3739	3324	2971	2842	223,553		
1948	10513	10900	11606	12316	11288	11163	11210	10962	10880	10534	10190	9669	9047	8338	7682	7073	6428	5972	5495	4918	5009	5253	4938	4654	4377	4102	4086	3875	3657	3476	152,212	
1949	8639	7652	6364	5665	5935	5917	6324	6597	7045	7415	7045	7446	6959	6315	5459	4873	4340	4153	3718	3618	3623	3421	3111	3262	3094	3073	2608	2619	2377	274,141		
1950	11474	11539	11230	10773	10648	10993	11703	11065	9479	8074	7506	8071	8765	7834	8115	8634	9085	9759	8976	9710	9734	10318	10052	8978	7742	6845	5912	6591	6784	8136	270,290	
1951	9487	8447	7815	6970	6177	7805	6913	6277	5708	5396	5473	6034	7203	7236	8394	9851	10463	10017	9333	8705	8506	7329	7085	6458	6370	5933	6313	5907	5948	5641	239,141	
1952	12410	11937	11735	12153	13471	13930	13581	13954	11973	12614	10938	10432	7659	7238	7471	7157	6311	6438	5554	6755	6336	5373	5518	5839	5419	5276	5236	4724	4724	4724	294,478	
1953	9479	7236	9669	8880	9335	9333	9853	11613	6402	8841	9177	10759	13803	14790	13028	11285	12358	12650	11478	10070	9422	9291	9365	9096	8028	6923	6973	6893	7246	159,833		
1954	5709	4707	4395	4038	4415	4733	4700	4500	4372	4429	4617	4547	4386	4684	5270	6412	6006	6072	5342	5289	5590	6370	6892	7129	7691	7429	9702	7800	6139	5308	209,640	
1955	6665	6774	6046	6080	6573	7172	8231	9501	10455	10478	10018	10242	9739	9361	7923	7371	6687	6408	5760	5910	6345	6953	6185	6245	5718	4168	4196	3928	3976	4104	291,274	
1956	18153	18796	16788	15384	13784	11825	10740	10140	10421	11121	11715	11500	10550	10277	9723	9658	7847	7102	6561	7273	7236	7356	6144	6500	5971	6007	5776	5995	6042	5103	259,006	
1957	12988	15502	14147	15587	15865	15921	15212	13000	11902	10310	9020	8717	8409	7862	6677	6235	5575	5046	5094	5592	5913	5501	5085	5021	5504	4670	5069	5091	5338	5073	250,783	
1958	12659	11471	10461	10328	9708	9513	10055	10402	10439	10045	9345	8848	9282	8774	8230	7494	8033	8428	8468	8155	7722	7191	7000	6667	7002	5980	5318	4764	4595	4093	181,078	
1959	3900	4140	5030	5848	6420	7308	8572	8266	7246	6374	6120	5707	6823	8182	8097	7334	6442	6376	6558	6428	6393	6381	6145	5574	4908	5723	4157	3920	3117	3288	166,675	
1960	6567	7981	8868	9307	9141	8558	7911	7947	7246	6584	6157	6036	6043	5954	5996	6316	5960	5021	4575	4208	3939	3374	3303	3094	3000	2937	3013	2624	2403	2652	114,693	
1961	6072	5981	6129	5680	5377	5919	5686	5769	5732	5475	4761	4723	5075	5395	4571	3622	3459	3333	3142	2832	2500	2296	1987	1937	1762	1738	1707	1359	1273	1116	212,699	
1962	6631	6960	7279	8823	7722	6930	6895	5818	5231	6174	7207	8450	8969	8317	7798	7636	8035	7100	7671	7208	8388	7336	7496	6954	6273	6778	6329	5658	5148	4655	205,952	
1963	9315	8852	8018	7732	7905	7631	6881	6681	6484	7143	6952	6110	6453	7112	7817	8406	8455	8559	7614	7503	7389	7167	6372	5182	5102	4624	4128	4222	4718	4569	203,920	
1964	6311	7508	8650	8373	8594	8456	9027	9249	8072	7337	6659	6374	5640	5471	5709	6345	8214	7688	7064	6263	5613	5647	5478	6032	5478	6032	6564	6288	5414	4981	389,444	
1965	18246	14632	14116	15021	13908	15945	16184	15912	16274	16377	16415	16777	16910	15016	12332	10399	9527	8926	8747	8667	9834	10825	11692	12603	12340	11663	12206	10268	9026	8500	89,024	
1966	5469	4693	4352	3707	3534	3315	3194	3320	3144	3452	3537	3394	2873	2736	2730	3020	3044	2663	2217	3057	2621	2356	2282	2305	2040	1778	1922	1774	1448	1945	263,053	
1967	8946	10050	9084	8166	7859	9244	9134	8765	9211	9335	9728	9028	8907	7998	7893	8286	8735	9786	9398	10077	10865	11815	10859	7354	7497	7070	7048	7771	6969	6458	139,103	
1968	5100	4910	5643	7048	6322	5870	6614	5669	6051	5767	5440	5346	5200	4985	4453	4095	3986	4249	4532	4815	4930	4259	3936	3591	3745	3070	2716	2428	2670	2316	196,108	
1969	10117	9032	8606	8950	9641	10723	10593	9591	8927	8691	8725	8109	7055	6745	6116	5838	5447	4978	4772	4808	4738	4423	4257	4487	4931	3767	3780	3732	3237	2972	295,201	
1970	8806	8846	10123	11032	13419	13766	14755	14989	15370	15074	8591	7795	7445	7125	6986	6592	6511	6717	7049	8168	9474	9910	10018	9543	8783	8315	8810	8764	9516	293,858		
1971	14218	12808	11211	9700	9184	8962	8776	8707	11573	13700	13351	13007	12701	13365	13599	12558	12176	12155	11893	11074	11105	12423	13466	13730	12600	11922	13434	11743	9698	8060	354,207	
1972	17776	15559	13285	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	15619	15280	372,778	
1973	5023	5023	4986	4791	4411	4099	4259	4626	4936	4953	4948	4222	3715	3862	5323	4665	3728	3541	3221	3079	2720	2718	2667	3068	2607	2614	2610	2620	2538	2404	113,541	
1974	11987	12621	13006	14533	15324	15917	14399	12132	10462	9923	10421	11847	13763	15708	16574	17560	18375	17695	16711	15909	14625	12708	11865	11527	11669	11317	10216	8706	8015	7973	393,858	
1975	12704	14266	14695	17660	19072	15077	16071	17527	14317	12733	11316	11024	11048	12296	12548	13350	13283	11531	10023	8421	7772	7209	7222	8468	9456	1639	8253	7506	6745	6565	346,114	
1976	7749	7261	6875	6959	6821	6425	7664	7060	7117	6748	7344	7175	6777	3804	4933	4737	4420	4893	4883	5120	5322	5054	4695	4527	4771	3725	3790	3434	3191	3608	148,182	
1977	1457	1491	1871	1787	1962	2225	2753	2581	3176	1794	2605	2725	2775	1920	1715	1704	1402	1348	1446	1470	1334	985	1432	933	1046	900	965	942	691	47,390		
1978	6407	6535	6616	6803	7338	8627	9853	10833	11423	11866	11866	7730	6190	6116	6849	7336	7129	7160	7146	6630	7510	10272	7303	6817	5947	5660	5630	6086	235,201			
1979	4439	4470	3894	4594	4903	5338	5722	4621	3871	3628	3511	3638	3076	3011	3671	3727	2918	2853	2918	2671	2369	2400	2425	2443	1930	2138	2273	1824	1947	1213		
1980	6681	6643	6547	6331	5795	5474	5985	5315	4908	5704	6666	8179	8242	7471	3803	6138	6307	6435	7430	8723	9068	9252	9113	8812	16653	14187	6378	5867	5525			

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981

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	TOTAL
1981	7662	6750	6145	5933	5472	5288	5781	6321	9709	9620	6871	5652	5827	4768	4430	3970	3673	3551	3384	3427	3499	3426	3347	3285	2992	2821	2752	2654	2492	2270	143,772
1982	8995	9264	9221	9528	9735	9154	8548	7932	7541	7446	7921	8898	10624	12158	12654	13228	14365	14882	15017	15002	14252	13928	14015	13501	12981	12311	11565	12311	12373	11761	341,115
1983	21968	19863	17767	16984	17511	16652	15852	15474	16134	17002	16620	17426	14772	12537	10936	10946	11239	11034	11442	10237	8901	8218	7689	8436	9826	9260	8614	9741	9197	8440	390,716
1984	18300	15960	13410	11972	11234	10701	10899	10173	9436	8515	7833	7507	7156	7058	7094	7728	8996	10256	10175	10231	12456	11808	10204	9067	9113	10105	10547	10472	10047	10394	308,847

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	2245	2092	1988	2114	1578	1751	1612	1641	1462	1425	1359	1289	1414	1279	1385	1197	1209	1147	1123	1088	1083	965	926	1012	892	907	1157	1129	933	911	42,726
1942	4013	4240	4155	3775	3723	3472	3324	3084	2814	2736	2824	2238	2108	2015	1941	1913	1883	1732	1679	1609	1571	1534	1484	1454	1446	1187	1305	1049	1274	1118	1026	69,556
1943	10045	9693	9197	9300	8879	8231	8048	8779	8360	8739	8360	5908	5908	5338	5040	5053	4694	4405	4365	4274	4089	4189	4169	4086	3455	3563	3448	3226	3140	2045	2638	179,779
1944	3009	3102	2688	2700	2403	2513	2184	2012	1856	1918	1809	1680	1737	1605	1432	1544	1403	1508	1233	1387	1378	1418	1156	1121	1478	966	1054	1085	973	1045	57,165	
1945	3718	3569	3937	3642	3538	3165	3117	2943	2881	2900	2523	2409	2555	2703	2655	2179	2136	1791	1769	1709	1623	1644	1471	1533	1244	1340	1223	1203	1196	1261	1075	69,520
1946	3334	3765	3476	3227	3104	2957	2713	2600	2587	2737	2395	2246	1949	1825	1810	1555	1820	1720	1568	1400	1659	1496	1298	933	1370	1493	1484	1485	1165	1225	1250	62,960
1947	2782	2548	2756	2656	2687	2532	2413	2406	2537	2125	2244	2144	1825	1807	1814	1681	1557	1504	1404	1350	1360	1160	1145	1128	1112	1097	1080	1065	1065	1065	1033	55,323
1948	3652	3400	3149	2965	2676	2504	2408	2250	2112	2067	1859	1818	1814	1736	1500	1614	1522	1362	1355	1287	1304	1228	1237	1222	972	906	900	890	920	918	814	54,686
1949	2294	2260	2150	2128	2121	2094	2269	2067	1736	1699	1705	1662	2002	1357	1481	1440	1295	1244	1124	1083	1457	1190	1125	1093	912	902	866	925	1033	889	808	46,771
1950	8217	8402	7789	7344	6707	6356	6114	5721	5235	4327	5145	3939	3924	3506	3215	3369	3035	2810	2518	2452	2039	2219	2040	2055	1089	1907	1736	1662	1755	1509	1408	119,697
1951	5444	5458	5281	5084	5275	4408	4558	3960	3758	3935	3622	3408	3003	2798	2845	2940	2681	2766	2448	2407	2338	2136	2073	1912	1688	1936	1755	2221	1677	1978	1541	97,534
1952	4669	4151	3932	4208	4487	3143	3848	3333	3218	3076	3152	3534	3300	3172	2307	2564	2219	2354	2304	2070	2245	1904	2106	1989	1965	1657	1702	1726	1596	1745	1608	85,749
1953	7247	7169	6741	6586	6776	6412	6905	5955	6033	5369	5284	5022	4683	4610	4497	3800	3259	3205	2872	2749	2313	2386	2327	2073	2154	1909	1883	1931	1769	1604	1678	127,235
1954	3109	4877	4593	4360	4410	4445	4208	4228	3523	3367	3170	3119	2938	2756	2748	2448	2381	2349	2358	2044	1968	2099	1813	1878	1735	1851	1694	1647	1759	1341	1439	80,909
1955	3472	3164	2743	2676	2636	2560	2832	1883	2303	2361	2151	2133	2506	2465	2116	2312	2027	2196	1765	1824	1660	1616	1409	1732	1628	1422	1295	1371	1533	1555	1424	65,869
1956	5231	4729	4459	4281	3716	3316	3349	3804	4021	3266	3393	3423	3038	2854	3341	3069	2438	2619	2616	2202	2204	2516	2360	1941	2194	2032	1974	1712	1981	2036	1447	94,422
1957	4843	4565	4422	3840	3605	3279	3233	2994	2949	2714	2453	2702	2577	2035	2145	1957	2286	1967	1814	1697	1762	1751	1647	1587	1464	1439	1282	1464	1299	1329	1487	74,153
1958	4113	3444	3313	3374	3253	3197	2988	2723	2786	2580	2651	2842	2188	2170	2145	1957	2225	1777	2134	1720	1808	1779	1840	1407	1817	1355	1617	1566	1465	1556	1913	71,233
1959	3072	2569	2534	2726	2445	2265	2345	2267	2176	1814	1808	1902	1746	1746	1598	1795	1538	1353	1340	1425	1255	1495	1170	1170	873	1127	1052	1108	666	1108	1019	52,448
1960	2124	2136	2040	1947	2087	2086	1714	1753	1532	1647	1471	1451	1151	1476	1242	1472	1079	1247	1136	881	925	1132	1104	584	876	765	730	589	1024	392	1005	40,787
1961	1011	985	1669	1379	1260	1002	1311	1066	1021	978	969	1002	1070	995	836	799	900	608	773	776	761	733	754	752	665	630	685	1082	739	562	717	28,410
1962	4598	4326	3991	3533	3329	2993	3096	2914	2549	2827	2431	2345	2388	2241	2261	2074	1950	1682	1772	1639	1672	1751	1647	1587	1457	1536	1890	1523	1366	1349	1209	71,456
1963	5998	5653	5377	5084	5091	3719	3187	3107	3079	2802	2678	2461	1975	2395	2369	2138	1952	1565	2216	1769	1624	1608	1690	1407	1817	1355	1617	1566	1465	1556	1913	74,364
1964	4714	4550	4525	4187	3855	3671	3589	3167	3082	3078	2813	2609	2443	2385	2277	2153	1898	2106	1857	1805	1549	1557	1453	1408	1667	1211	1226	1359	1360	1432	1497	76,473
1965	8567	8759	8336	7977	8208	8593	7919	8033	7655	7867	7118	6426	5829	5289	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	820	693	651	723	718	165	441	1046	946	382	687	755	720	706	535	532	324	759	27,000
1967	6585	5995	5564	5271	5055	4523	4248	3494	3400	3228	3136	2900	2696	2311	2369	2167	2259	2342	2808	2163	1787	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	1230	1136	1126	1183	1103	1034	984	999	879	896	922	911	1020	879	487	831	779	921	38,063
1969	2680	2804	2607	2747	2705	2773	2862	2818	2615	2496	2422	2256	2519	2231	2174	2064	1912	1829	1757	1761	1581	1634	1559	1510	1589	1507	1606	1378	1421	1308	1237	64,428
1970	7892	5689	5434	5384	5233	5853	4873	4322	4036	3878	4384	4173	3339	3765	3818	2664	2800	2301	2534	2096	2128	2180	2213	1894	1960	1949	1611	1681	1604	1651	1519	107,276
1971	3281	7232	7379	7436	7164	6518	6245	6152	5755	5754	5905	5427	5030	4878	4753	4678	4518	4564	4287	4264	4082	3653	3617	3627	3224	2824	2726	2628	2447	2338	2220	148,718
1972	6486	6074	5720	5201	4973	4693	4693	4691	4291	3993	3638	3563	3437	3376	3240	3175	2723	2727	2538	2483	2318	2345	2502	2001	2087	1963	1995	1925	1795	1762	1623	104,259
1973	2191	1957	2107	2141	1725	1670	1405	1397	1160	1079	1420	1170	1143	1200	1170	1164	1071	930	879	874	1083	1208	950	1019	876	838	869	704	1036	562	636	37,554
1974	7807	7657	7214	5735	5458	5419	5174	4806	4798	4544	4369	4287	3806	3680	3272	3686	3475	3230	3045	2772	2856	2716	2595	2555	2170	2144	2124	2070	1889	1859	1862	119,368
1975	7107	8827	9012	9340	9937	10405	10178	9614	8660	8215	7805	6628	7216	6701	5717	4728	4466	4165	3732	3845	3188	2998	2780	2717	2504	2081	2223	2108	1877	2045	2598	172,735
1976	3932	3454	3107	2965	2771	2355	2778	2637	2679	2316	2508	1911	2098	2028	1731	1634	1563	1392	1777	2074	2285	1600	1525	1424	1410	1502	948	1110	1372	1079	1278	63,056
1977	707	1037	978	1328	1246	1151	1021	921	845	727	805	724	720	646	640	641	595	593	568	550	539	514	577	913	792	740	647	517	628	500	23,274	
1978	6457	6451	5696	5819	6023	5069	4530	4771	5071	4785	4352	4637	3378	3780	3681	3570	3361	2882	2446	2678	2440	2425	1937	2267	1753	2470	1945	1864	2324	1352	115,130	
1979	7766	1579	1636	1407	1425	1078	1373	1128	879	1267	926	937	1069	904	810	847	817	704	536	447	871	871	550	1180	1009	659	767	31	614	734	568	29,430
1980	5208	5320	5200	5438	5338	4386	4641	3637	3355	3369	3721	2757	2348	2508	2281	2193	2038	2009	1979	2031	1654	1855	1485	1403	1403	1403	1403	1				

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981

YEAR	BEGINNING, 1981																															TOTAL
	JULY																															
	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	
1981	2174	2404	1829	1830	1834	1942	1991	1804	1591	1653	1330	1166	1628	1249	1215	1260	1243	1176	1106	1169	1135	1085	1015	907	874	882	875	807	729	724	723	41,334
1982	10067	10171	9220	9038	8941	7249	6381	6533	6243	5979	5566	5581	5611	5976	6106	5311	4716	4261	4052	4032	3884	3724	3578	3581	3095	2993	2912	2798	3034	2749	2696	165,468
1983	7898	9571	10624	8080	7130	7130	7358	8035	7398	7257	6769	5498	5294	5223	5387	4678	4105	3906	3790	3537	3458	3340	3463	3432	3545	3210	3030	2722	2555	2382	162,625	
1984	9473	7594	7124	6850	7083	6039	5885	5934	5445	4932	4378	4092	3874	3652	3430	3324	3165	2941	2868	2737	2663	2514	2819	3593	2949	2567	2462	2445	2634	2549	2216	131,009

NATURAL FLOW OF BOISE RIVER
IN SECOND FIFTY
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	915	854	877	861	1240	962	832	878	800	709	854	813	815	701	752	710	654	27,248
1942	1056	1059	1045	1031	827	1049	826	849	949	769	890	705	897	672	906	639	617	718	677	1192	1269	1234	1301	1174	1220	1160	1125	1136	621	655	648	23,395
1943	2472	2909	2404	2395	2303	2145	2016	1848	1868	2033	1608	1672	1704	1672	1704	1672	1704	1672	1704	1672	1704	1672	1704	1672	1704	1672	1704	1672	1704	1672	1704	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	576	546	525	523	599	502	603	511	394	25,815
1945	1115	1025	1248	985	1109	932	1079	1307	979	908	1084	926	890	840	788	853	767	801	635	735	765	746	665	750	515	584	579	570	657	585	291	28,209
1946	1325	1289	1241	1032	1020	1124	1138	993	947	870	867	870	895	684	933	734	909	590	772	811	768	705	934	790	904	919	808	915	879	763	776	23,084
1947	865	900	972	902	913	857	796	799	631	725	737	761	649	713	699	698	636	695	693	692	693	692	691	692	692	692	692	692	692	692	692	23,306
1948	822	842	841	811	789	782	775	759	748	745	731	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	735	20,560
1949	714	1266	686	531	614	519	568	576	606	736	686	737	708	848	738	765	802	780	745	690	617	525	544	602	589	459	600	515	544	549	571	30,210
1950	1557	2489	1707	1301	1602	1840	1591	1597	1323	1350	1472	1452	1300	1400	1136	1127	1017	1025	949	976	1019	1039	945	1010	1094	854	865	960	801	729	725	35,465
1951	1515	1604	1321	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	34,200
1952	1299	2104	1256	1563	1146	1213	1262	1486	1364	1243	1214	1180	998	1392	1495	804	823	1077	948	1009	1127	980	1305	992	532	571	850	903	633	372	1101	36,623
1953	1356	1670	1619	1409	1501	1490	1492	1270	1206	1137	1027	1203	1314	982	1178	1293	1170	1048	1017	1204	1001	1176	1110	879	939	975	1012	804	1132	989	856	33,180
1954	1329	1415	1293	1140	1100	1350	1152	1265	1219	1191	1196	1153	1273	1139	1300	876	1155	770	1052	746	1105	1234	843	611	798	630	778	638	806	863	193	28,377
1955	1502	1545	1457	1749	1399	1216	1096	1426	676	1244	947	914	1193	1038	808	1095	1214	1164	474	1180	518	926	818	866	946	342	777	767	1252	600	31,367	
1956	1264	1088	1165	1007	1461	709	1196	995	878	946	948	765	860	761	728	807	605	842	706	792	792	792	792	792	792	792	792	792	792	792	792	25,972
1957	1810	1460	1478	1327	1130	1342	1340	1026	932	1309	1276	892	1061	930	899	1096	661	980	848	892	731	778	803	690	699	627	922	932	639	603	30,893	
1958	1308	1203	1053	245	735	518	565	552	825	1219	1191	1196	1153	1139	1300	876	1155	770	1052	746	1105	1234	843	611	798	630	778	638	806	863	193	24,216
1959	924	855	969	822	879	684	665	557	721	492	852	476	545	623	465	415	966	666	949	537	717	579	706	759	978	914	775	742	759	767	1087	22,879
1960	624	752	639	716	635	809	370	270	499	846	513	554	588	793	715	1036	673	646	478	733	635	698	427	612	653	674	639	608	614	681	630	20,039
1961	1505	1179	1311	1166	1056	1241	1081	1057	533	1390	572	852	725	1164	821	758	698	706	808	938	846	854	893	780	815	679	805	785	972	730	28,726	
1962	1062	1179	1146	1082	985	924	1025	1047	670	1153	1084	1005	748	947	898	607	759	806	816	1456	93	246	1315	1-51	815	771	591	735	806	837	719	26,655
1963	1218	1208	1101	1113	1110	1008	941	651	1218	824	801	812	919	831	630	704	691	785	451	717	209	1027	708	689	700	689	391	448	718	688	836	25,046
1964	2318	2516	2385	2379	2587	2085	1982	2037	1618	1755	1557	1480	2720	2653	2042	1913	1773	1656	1505	1804	2075	1935	2112	3175	205	1576	1457	1377	1179	1255	1298	59,163
1965	713	606	713	723	566	865	637	643	689	570	565	678	653	571	593	634	542	626	663	574	689	579	525	527	504	548	655	775	691	571	650	19,596
1966	1208	912	1140	904	745	821	660	609	932	600	1312	300	723	913	681	691	767	766	812	942	979	353	875	675	809	690	679	661	1012	617	692	24,550
1967	791	855	872	917	775	802	747	717	825	922	970	803	822	880	1369	1302	1141	1209	1891	1072	1669	1751	1547	1301	1227	1173	1174	1078	1011	1014	36,100	
1968	1203	1150	1183	920	993	1056	997	960	1076	921	732	806	824	859	766	876	747	716	685	709	806	701	555	570	517	696	724	702	686	765	718	25,639
1969	1468	1596	1175	1393	1333	1477	1362	1270	1547	1041	1129	1104	1068	869	960	1128	654	978	886	815	349	746	715	1117	354	696	529	662	829	716	372	30,518
1970	2352	1973	1989	2019	1958	1869	1931	1931	1524	1649	1653	1473	1590	1412	1527	1404	1443	1409	1214	1342	1054	1274	708	1122	1145	1119	954	942	1135	832	1233	45,290
1971	1729	1619	1653	1523	1636	1379	1433	1259	1277	1129	1309	1020	1164	1103	1231	1408	938	1004	948	1159	832	966	855	798	879	847	1354	690	782	782	780	35,438
1972	659	613	743	817	826	700	749	485	815	635	671	608	621	807	555	713	632	601	294	623	665	637	596	600	620	713	724	621	726	666	622	20,935
1973	1694	1658	1728	1757	1481	1782	1463	1657	1577	1438	1414	1411	1295	1273	1264	1245	1124	1065	1095	1105	1238	1206	1136	990	1186	1187	753	856	708	795	902	31,483
1974	2092	1982	1751	1709	1647	1590	1485	1590	459	2316	1373	1360	1122	1215	927	1288	1253	1067	1298	1239	1415	1248	1271	1371	1722	1357	1125	1106	1023	1090	47,351	
1975	1438	1683	1874	1601	1694	1334	1264	1352	832	1066	1034	939	928	1050	952	747	1209	976	1160	1184	1185	948	106	1763	1234	977	1066	1000	mm	649	809	34,302
1976	518	501	242	406	510	538	508	371	540	977	501	494	555	478	555	590	363	478	429	601	664	665	130	625	417	351	15,365					
1977	1591	1349	1530	1320	920	1370	914	1133	1077	946	1351	1080	734	1592	926	676	1673	736	1084	803	923	1015	927	590	1665	(-1127)	352	217	1946	932	408	31,473
1978	660	699	591	750	596	597	618	728	491	351	1014	425	727	1362	1285	903	746	687	760	904	857	857	273	690	758	626	612	737	700	531	422	27,456
1979	1230	1423	1245	1053	1217	1149	1270	1070	1048	1040	1178	957	971	962	827	662	861	1003	759	541	1174	150	973	916	777	757	534	641	893	814	820	21,202

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981

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
1981	776	656	554	419	465	485	579	553	650	413	679	628	660	506	272	384	669	836	704	722	799	786	648	694	709	577	572	639	562	589	661	19,046
1982	2805	2205	2122	2063	1893	1858	1837	1838	1864	1698	1580	1721	1482	1449	1422	1427	1514	1439	1392	1307	1421	1289	1346	1182	1062	1132	984	994	919	986	1044	46,885
1983	2447	2300	2106	2157	2140	1891	1935	1704	1887	1897	2274	2403	2263	2145	1042	1727	1808	1577	1468	1564	1799	1604	1636	1796	1537	1340	1293	1214	1211	1212	1128	54,595
1984	2070	2015	2083	1893	1904	1750	1688	1655	1591	1619	1419	1698	1497	1447	1403	1335	1219	1650	932	1109	1129	1190	1165	977	1198	1006	1063	964	976	992	978	43,715

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	854	632	730	727	655	708	701	730	720	732	732	754	708	715	710	582	20,860	
1942	590	608	519	647	559	574	493	571	533	595	580	622	681	694	606	647	627	619	534	775	619	673	596	595	638	546	531	590	481	549	17,748	
1943	1164	1144	1073	1106	1027	1032	937	1034	987	826	803	1008	861	966	842	859	738	733	662	814	631	1019	716	777	768	702	651	844	838	783	26,596	
1944	416	435	575	641	582	728	670	603	577	560	578	764	413	532	432	443	467	546	725	725	680	685	660	689	645	616	444	541	688	11,576		
1945	685	695	593	585	578	608	543	598	638	598	639	629	572	578	574	631	625	611	646	667	669	776	935	1352	1028	333	704	681	675	644	19,510	
1946	728	643	628	841	671	764	851	794	881	736	762	687	681	637	578	675	703	926	886	937	841	856	866	864	711	691	593	660	705	678	22,636	
1947	706	682	686	610	686	662	693	637	616	710	706	698	692	682	672	688	606	632	628	627	650	643	621	599	555	584	604	608	608	584	19,233	
1948	634	626	621	625	630	634	630	634	634	578	575	585	644	617	666	595	579	521	485	519	497	518	554	576	606	779	771	870	760	18,290		
1949	435	344	393	455	435	308	516	467	515	598	598	732	597	566	602	623	494	599	430	492	475	516	481	571	648	442	217	464	780	15,588		
1950	836	632	821	643	597	515	477	541	1024	1232	1238	979	756	817	986	723	922	721	532	1160	849	717	696	782	793	835	218	618	922	936	24,088	
1951	756	841	1124	617	715	617	709	570	768	848	643	616	692	904	396	666	736	609	534	318	805	298	729	717	778	823	704	924	706	812	21,275	
1952	875	760	1022	977	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	837	937	918	805	874	923	850	636	805	802	583	869	794	709	913	826	706	693	835	390	486	1090	1117	180	1117	24,164	
1954	817	692	639	610	820	529	590	646	636	686	544	709	713	627	660	898	680	772	522	702	765	838	577	402	742	595	695	789	734	20,834		
1955	317	573	603	382	896	381	430	648	567	880	919	714	174	398	599	705	838	929	926	716	235	739	635	880	890	788	879	770	630	734	20,297	
1956	801	1317	493	951	1207	1087	1141	1163	1133	1087	931	988	1039	996	1094	813	684	927	777	598	(-208)	1006	601	1176	825	970	854	936	1041	1524	27,658	
1957	393	808	1223	1448	633	882	936	854	924	926	778	967	800	706	928	917	739	759	846	1109	823	950	1016	885	708	962	1075	643	837	926	26,663	
1958	746	720	1069	1070	1196	1211	989	870	716	1206	1071	623	1131	870	1166	1035	910	608	1313	802	541	224	816	825	1117	548	847	855	1115	27,212		
1959	888	913	984	1104	678	482	871	232	469	723	923	670	781	822	1575	1793	1130	711	1323	1745	2087	1388	1467	1071	1218	1804	1581	1498	1165	33,817		
1960	876	637	500	706	1541	877	670	678	690	712	802	703	803	1146	962	1097	817	936	811	916	837	818	858	706	593	1044	280	259	(-62)	725	23,122	
1961	346	609	718	356	634	572	372	633	599	729	761	635	676	539	552	592	701	1050	517	716	722	779	824	747	609	355	469	648	632	584	19,106	
1962	930	799	719	774	742	963	792	670	696	749	735	879	880	784	784	892	808	789	676	711	931	802	887	903	1016	740	752	914	1053	1010	24,793	
1963	1027	1188	920	801	740	858	628	1169	1067	873	765	730	840	784	1015	864	708	808	969	1013	1265	1148	1214	1165	1067	1055	944	840	945	742	28,368	
1964	1017	1203	1251	941	715	827	1167	732	431	654	667	735	788	735	880	1167	1088	687	889	933	859	784	903	965	865	795	849	805	870	857	26,399	
1965	1190	1130	1228	952	1147	1048	1049	1262	2065	1723	1553	1254	1499	1344	1493	756	1809	1156	1367	1304	1306	1242	1170	1297	1296	1256	1174	1040	1180	1276	30,606	
1966	578	629	593	597	570	616	57	385	474	369	1030	591	379	681	580	983	825	815	675	839	628	610	662	120	600	412	706	665	465	571	18,803	
1967	785	725	800	748	609	771	847	769	872	715	821	803	933	712	835	818	729	711	712	703	390	971	495	647	832	746	716	144	1039	980	22,708	
1968	925	974	978	945	965	953	791	1018	964	911	1316	1377	873	824	788	1004	865	818	835	940	1027	1067	1001	964	958	1006	978	927	876	990	27,625	
1969	769	688	676	669	698	801	815	745	679	773	896	815	845	747	732	806	845	817	789	777	1116	1035	891	787	862	861	827	773	772	778	24,239	
1970	814	710	759	700	828	938	842	469	1283	918	761	806	760	641	960	842	869	810	830	1172	1089	1250	1351	1178	1070	1097	949	1034	950	879	27,475	
1971	938	871	855	1002	1333	767	770	1294	1329	1160	1163	1015	1086	999	1041	965	1053	1028	954	1130	1112	1080	1065	1027	1144	1118	1022	1082	1204	1278	32,023	
1972	803	870	904	801	885	1055	1079	1037	809	874	879	1049	1192	1072	1010	974	966	804	1274	1323	1315	1079	1198	1014	1145	657	1148	1361	1136	1081	30,744	
1973	549	764	761	722	537	676	641	584	888	738	642	662	587	557	613	609	698	754	4	512	1392	1189	937	827	1209	1131	978	945	1662	(-16)	22,600	
1974	770	784	929	708	807	702	690	409	815	1235	1069	1072	1108	1251	786	1021	966	715	1007	962	904	1134	1028	740	873	1070	866	893	911	815	27,146	
1975	359	998	1003	915	858	783	886	815	828	776	602	574	1112	1084	1084	1021	1025	939	975	930	996	904	588	1006	737	1004	866	706	965	923	27,740	
1976	841	690	703	936	845	629	979	857	1178	867	833	1548	1711	1164	1101	1365	1188	1038	1445	1350	1768	1226	702	2006	1179	1311	1430	1078	895	1265	33,374	
1977	525	526	334	409	469	386	412	493	437	482	430	321	467	115	331	2909	554	595	211	825	335	455	878	411	535	740	705	561	593	626	13,993	
1978	871	1017	1006	512	717	1030	2043	1003	1347	1378	1351	1713	1073	348	1534	1490	881	872	1336	1261	1043	1056	1015	806	944	1062	1061	1061	921	926	33,715	
1979	764	680	321	640	655	751	778	704	618	706	497	628	469	418	649	662	637	561	575	580	568	716	765	517	621	734	822	716	535	568	19,366	
1980	640	738	802	1145	853	914	855	1029	1027	1035	1275	1246	1031	1300	1710	1826	652	423	541	650	1408	1103	1032	932	994	920	868	117	757	818	27,711	

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981
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	TOTAL
1981	566	530	609	579	650	582	621	647	575	579	572	624	577	574	500	636	535	587	584	636	550	643	600	630	577	689	791	803	571	779	18,516
1982	1040	974	941	1016	830	535	870	1101	1253	579	1030	979	1174	1117	1176	1208	1143	1039	1021	1610	1631	1259	1114	1058	1061	1167	1312	1115	1217	1088	32,652
1983	1103	811	1256	1190	1130	1231	1390	1192	1323	1245	1116	1170	1175	1167	1120	1171	1045	1109	1050	1295	1106	1091	1170	1091	1143	1160	1042	1146	1105	1285	34,626
1984	1264	1380	1190	1021	1210	932	1303	1464	1441	1320	1468	1132	1335	1171	1161	1199	1134	1170	1138	781	1403	1170	1325	1218	1315	1168	1155	1100	1222	1096	36,346

NATURAL FLOW OF ROUSE 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	701	812	797	732	715	591	676	793	804	698	802	849	849	797	855	902	900	761	755	870	840	882	914	876	868	24,300	
1942	567	748	693	662	697	655	639	684	454	502	459	605	740	744	844	563	693	718	692	805	720	764	720	760	651	626	702	737	835	679	21,282	
1943	696	781	732	808	678	430	1043	845	766	907	1278	927	1278	904	1122	939	927	1006	816	1012	1171	1084	1085	1054	1186	1148	1202	1284	1460	1451	30,301	
1944	571	593	702	630	554	718	635	619	646	638	635	617	611	652	642	621	607	673	632	598	664	671	674	693	659	958	436	669	638	718	20,414	
1945	333	745	778	774	726	715	716	732	581	601	570	773	696	342	865	746	689	717	846	792	814	838	768	777	776	785	800	701	802	819	924	22,911
1946	672	1566	1714	1217	1151	974	940	1064	1015	995	961	991	931	898	932	865	995	910	995	925	936	1134	1256	1407	1281	1244	1220	1220	1123	1031	1118	33,697
1947	536	648	559	703	619	639	645	518	632	876	807	947	941	777	777	822	2138	1452	1234	1063	981	1002	977	947	915	890	813	954	995	1143	1120	28,122
1948	631	616	556	551	715	779	728	755	791	697	698	742	742	750	744	778	793	790	791	782	722	738	741	735	736	734	675	686	685	725	22,921	
1949	523	572	575	774	727	945	935	834	861	979	851	855	817	777	801	855	845	746	749	803	812	812	826	826	852	803	707	744	752	835	780	24,642
1950	1159	1164	672	1056	1134	796	1258	919	1006	1431	860	1014	(-1111)	1519	968	971	971	971	971	974	974	974	974	974	974	974	974	974	974	974	974	30,870
1951	971	1440	1748	1287	972	1113	1240	1236	681	948	1367	828	1338	1565	940	1752	1489	564	1047	1973	1634	512	703	2189	1316	1247	1554	2152	1275	1177	1422	39,652
1952	649	575	1515	745	954	547	1021	718	1198	565	690	798	489	891	948	855	759	976	789	875	809	1033	1026	753	831	507	892	1249	1315	631	471	26,054
1953	1120	651	838	370	945	660	269	725	658	864	516	931	733	866(-1531)	1483	874	834	911	938	659	916	769	735	906	902	974	628	791	789	691	22,435	
1954	476	1023	737	736	706	880	859	842	870	586	(-1331)	1942	679	952	(-5101)	1111	1246	863	851	905	891	846	849	659	715	1018	889	761	732	824	24,666	
1955	982	835	426	390	798	711	597	973	920	1102	194	1254	986	1257	622	1702	660	591	1042	840	821	769	919	722	645	803	698	1023	706	746	1102	25,852
1956	1428	1040	1210	1055	935	1001	1030	936	1066	1386	1095	1440	1132	1153	591	834	767	1090	993	1042	800	909	1055	900	907	1336	1165	1318	1130	1443	1051	33,306
1957	961	862	354	826	(-675)	684	1015	1104	914	932	940	1008	1004	896	1321	824	826	787	740	834	923	1036	950	1020	914	1088	988	1155	753	1076	908	27,058
1958	1068	969	983	968	1033	986	976	470	344	855	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	877	1079	945	1359	1470	2135	1743	1741	1946	1248	1732	1360	1259	1495	1213	1612	1190	1284	2793	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	745	742	719	594	824	757	761	509	530	1020	768	23,322
1961	814	901	565	856	942	964	853	1058	456	487	1211	1020	819	963	801	786	765	686	641	712	707	780	847	805	791	601	1175	1107	1287	725	860	26,075
1962	827	872	748	647	853	229	828	747	937	1148	1471	1452	1927	1567	2636	1803	1389	1570	1213	1234	929	1205	1082	981	934	1091	967	1103	847	783	906	35,526
1963	857	688	737	910	881	755	1003	1209	207	1201	1319	804	785	1123	695	1200	917	803	728	945	723	838	712	715	778	1064	766	643	782	753	779	26,520
1964	579	678	780	782	818	657	804	787	776	904	792	689	548	812	716	950	791	720	778	709	689	735	741	707	816	775	728	913	780	928	742	23,704
1965	1041	1290	1004	1182	993	1285	1016	1133	1135	1052	1171	1312	914	1044	1379	1121	1125	1093	965	973	1042	1004	981	942	1191	1228	665	838	896	609	1076	32,725
1966	651	333	1002	503	537	579	516	710	723	634	617	595	766	707	735	807	884	686	569	605	627	706	772	756	742	707	587	687	470	619	682	20,054
1967	1044	1100	916	1010	871	835	556	1066	1587	1036	927	1077	989	630	805	1135	687	670	746	712	1166	639	767	874	717	767	1001	1419	1627	961	29,200	
1968	914	870	732	865	879	836	781	864	689	774	800	807	1006	1400	1748	1837	1437	1267	1115	1076	1273	1067	401	857	1161	937	916	1101	912	955	1109	31,615
1969	866	835	950	929	933	870	872	834	(-553)	2460	1202	965	1273	1068	915	927	1060	981	879	853	832	851	801	809	964	920	595	774	892	374	693	28,044
1970	908	804	1003	914	716	855	856	960	869	1046	1178	1413	915	880	858	854	761	915	829	853	1037	981	1116	1568	1137	1129	970	806	903	1015	918	29,977
1971	1223	1282	1187	1186	1246	1121	1212	1592	963	1042	1237	1044	1104	992	1115	1011	1066	1082	1001	1232	1087	1220	1089	1035	1041	949	1124	981	921	928	974	34,217
1972	955	1154	1066	923	1125	1210	1099	1074	1009	1133	1206	1145	1102	1571	1183	1157	1503	913	1080	1095	1009	1041	996	937	1046	1020	905	877	976	844	33,690	
1973	924	705	814	681	765	762	769	877	825	809	730	791	775	733	856	656	752	691	617	624	641	690	709	776	807	949	782	776	812	844	23,863	
1974	1020	946	1002	947	878	1026	946	1011	945	1179	946	928	980	970	834	1254	842	978	888	843	1119	1443	447	774	1008	959	785	996	982	1158	873	29,987
1975	1012	967	902	969	951	906	1024	1185	1002	1051	1017	1447	1258	1092	1161	926	1004	1114	873	1011	1063	1144	1475	1133	1028	1519	1514	1622	1139	1202	1174	34,969
1976	1027	1035	1175	1187	1190	885	1077	1135	926	945	1029	1032	1080	964	814	1121	1204	1082	427	564	857	1079	1096	682	734	855	1212	1173	1032	718	862	30,291
1977	468	1359	738	738	1175	535	797	710	348	706	822	857	637	630	620	605	635	602	432	643	685	672	689	732	744	751	347	236	242	521	513	20,142
1978	816	974	800	1110	992	938	868	791	818	845	1597	905	743	952	865	868	773	704	861	828	807	902	745	888	717	279	672	938	833	955	714	26,965
1979	685	471	575	523	487	514	341	380	471	672	502	508	574	638	406	514	723	704	816	816	1253	1253	779	779	880	1345	815	813	814	905	747	22,287
1980	826	934	658	607	693	514	714	610	500	414	212	308	165	1114	805	717	706	942	282	415	1336	660	565	695	638	673	797	746	836	858	872	29,148

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981
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
1981	811	720	635	647	636	492	474	548	976	851	951	1020	937	846	773	865	654	923	582	527	689	706	711	692	658	786	729	714	700	882	810	22,945
1982	1266	1078	1159	1405	899	1285	871	1142	1087	1066	1167	1110	1110	1060	1041	993	935	1065	958	922	971	1029	1264	1338	1221	1371	2118	1690	1553	1883	1662	37,756
1983	1747	1627	1373	1584	1263	1212	1210	1201	1175	1510	1318	878	1288	1292	1288	1322	1223	1412	1065	1249	1163	1123	1110	1164	1128	1076	1067	1039	1088	1066	1155	38,416
1984	1347	632	1372	1277	1187	1083	1074	1106	1066	1008	876	1260	1293	1255	1200	1135	1234	1283	1201	1056	1104	1079	941	1065	1099	1147	1207	1140	1282	1152	1090	35,368

NATURAL FLOW OF ROISE RIVER
IN SECOND FEET
BEGINNING 1941

NOVEMBER R.

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	804	939	852	802	903	700	894	1387	2257	1934	1566	1420	1187	922	936	850	694	863	958	909	675	1000	871	31,600	
1942	715	901	890	915	897	781	803	921	939	1115	725	747	707	842	944	1562	1136	1186	1159	1007	1057	703	858	1026	1793	1334	1246	1442	1412	2098	37,034	
1943	1158	1212	1079	1106	917	2081	1296	1312	1175	853	1740	1240	1156	1206	1139	1128	967	1077	1141	1106	995	1056	1056	1056	968	1056	959	955	907	935	26,100	
1944	938	1196	917	1007	1406	1314	1059	900	847	1011	1148	1039	928	915	860	870	745	682	577	636	681	731	722	697	802	716	741	747	600	581	26,835	
1945	902	1104	715	807	917	850	812	865	795	740	787	1037	819	840	941	957	992	808	936	936	675	580	580	875	1004	991	1061	1096	1094	905	36,107	
1946	1031	1033	929	844	934	947	1053	971	932	912	1028	937	844	850	944	936	856	947	1115	2186	1660	1484	1378	1706	1608	1603	1171	1457	1552	1616	28,791	
1947	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	28,959	
1948	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	28,959	
1949	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	28,959	
1950	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	28,959	
1951	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	28,959	
1952	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	28,959	
1953	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	28,959	
1954	1073	1003	1003	972	911	917	970	1071	1031	961	949	985	959	985	970	973	1022	928	1024	865	754	803	655	771	1011	923	1032	1081	973	998	2	

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1981
NOVEMBER

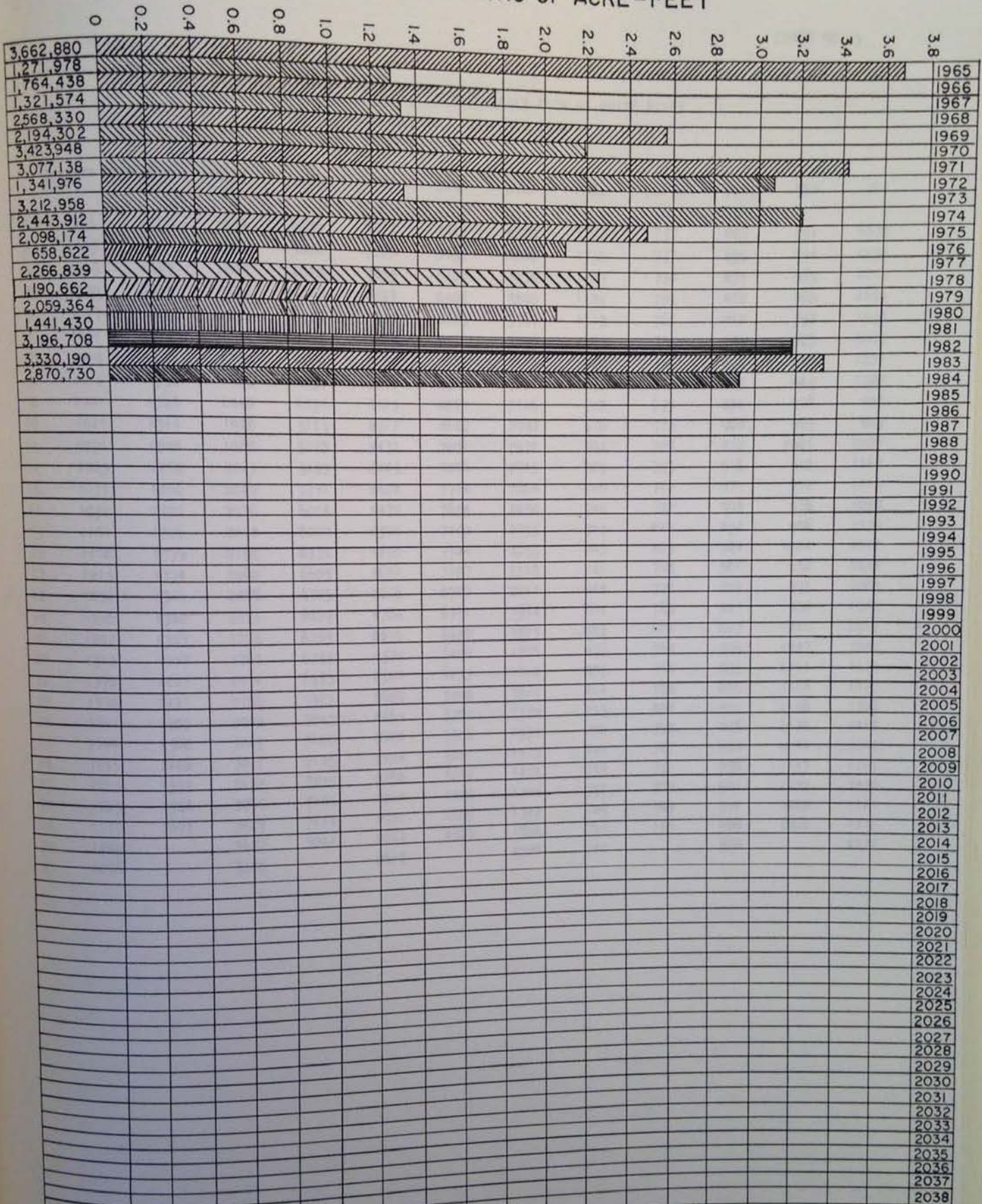
YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
1981	785	707	758	684	729	694	619	729	735	677	673	716	1304	1351	1489	1576	1938	2425	1938	1320	1442	1542	1575	1785	1529	1237	1147	971	976	896	34,967
1982	1520	1354	1295	1160	1220	1168	1168	1134	1167	1171	992	1341	886	998	809	789	1109	1701	1747	1312	1350	1143	935	587	755	858	1080	1119	1269	1454	34,509
1983	1392	1496	1546	1491	754	1794	1993	2569	1836	1681	1339	3148	2383	1956	1880	1612	1647	2500	2103	1751	1721	1375	1495	1646	1802	1772	1521	1302	1490	1352	52,347
1984	963	1427	1618	1314	1196	1217	1195	1264	1432	1549	1340	1396	2058	2041	1521	1505	1283	1216	1012	1302	1303	1239	1313	1516	1358	1167	1051	1361	1367	1448	40,988

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	4603	3137	2036	1837	1555	1400	1405	1458	1237	1309	1406	1372	1694	1300	1838	1871	2130	2240	2193	1896	1673	1637	1335	1097	917	1411	1620	1873	53,419
1942	1954	1741	1395	1139	1017	1168	1147	1262	1194	1217	1312	1212	1225	1116	1111	1041	1189	1052	920	942	934	1293	1140	1395	1644	1707	1173	1131	1451	1619	2620	40,801
1943	933	1182	1082	1052	977	1035	965	902	1048	907	1048	946	746	746	770	740	759	939	974	1002	1003	1186	1003	943	1056	934	638	628	536	757	994	27,804
1944	905	808	731	686	667	736	736	639	407	342	332	336	406	464	505	765	610	640	866	1032	818	1137	966	839	783	615	621	508	906	826	21,451	
1945	972	718	616	866	1056	1008	1091	933	436	695	656	664	571	568	707	645	1040	833	691	898	893	1243	1173	1130	1000	1256	1505	3667	5249	3587	31,356	
1946	1395	1306	1266	1290	1144	1450	1479	1417	1194	1303	1409	1941	3056	4053	4799	3930	2413	1771	1870	1845	1792	1550	1306	1384	1459	1319	1319	1286	1137	948	865	54,666
1947	1162	1165	1100	920	1078	1117	954	951	908	957	622	878	709	995	922	901	811	959	931	844	951	798	792	974	746	727	736	779	961	790	514	21,702
1948	790	846	881	857	849	841	883	882	874	870	930	952	988	999	980	942	802	767	729	793	713	703	702	697	664	632	681	745	804	861	755	25,547
1949	1304	1122	1148	775	799	860	789	842	891	780	701	326	650	903	718	818	789	914	1106	565	799	778	931	907	764	779	795	915	725	739	748	25,750
1950	1398	1398	1485	1441	1551	1451	1561	1878	1630	1645	1760	1650	1552	2108	1284	1179	1669	1304	1266	1181	1537	1246	1306	1283	1207	1304	1592	1248	670	907	1599	44,493
1951	2368	3459	2250	2024	1569	1834	1117	879	711	916	962	1453	1330	1039	1098	794	1072	1273	1362	807	959	2049	2046	1245	1237	629	1252	1145	1739	1430	1333	43,415
1952	723	779	1165	823	753	701	925	1006	962	742	931	938	1424	1071	1096	1443	879	733	444	1164	958	1763	1202	71	227	465	806	1020	1020	579	922	27,223
1953	996	1167	911	971	1236	1037	671	1215	689	899	(-1271)	1561	864	1238	1019	238	1459	1391	1035	1195	1001	1370	455	(-561)	2216	1268	1073	417	1472	809	465	29,064
1954	309	588	953	1001	682	902	817	899	702	604	707	898	712	9	817	697	454	504	967	1393	246	(-2808)	891	601	737	1043	1092	588	966	862	957	102,909
1955	535	1328	854	1401	739	746	1021	1181	538	1705	1160	925	876	919	784	910	897	1438	1461	2250	441	16780	20551	11314	7381	5053	4416	3637	2732	2871	2071	38,754
1956	395	1145	643	1060	1198	554	733	797	542	483	2817	2027	1978	2196	1817	1316	1170	1588	897	932	1058	1009	605	1392	622	992	309	807	1031	840	25,936	
1957	903	609	1285	630	557	1042	1317	1215	689	899	(-1271)	1561	864	1238	1019	238	1459	1391	1035	1195	1001	1370	455	(-561)	2216	1268	1073	417	1472	809	465	29,064
1958	809	1308	1419	940	1271	1190	791	1164	1547	931	1404	3044	2870	2586	1169	1231	1932	1401	1286	1009	1382	1356	1401	998	1312	1205	1269	1094	1039	690	901	41,987
1959	871	1051	725	1083	916	495	273	713	548	704	892	844	938	1003	571	829	735	862	931	897	593	685	625	1058	1251	972	814	716	717	553	694	24,257
1960	906	617	1099	1012	840	1310	397	(-2089)	671	616	722	679	734	845	924	715	742	1054	1221	993	493	751	892	632	951	955	558	871	860	418	734	23,983
1961	932	1033	874	1052	1024	647	597	597	593	418	701	386	849	706	932	929	813	980	705	1199	818	1255	789	966	1017	752	678	708	833	1044	809	25,936
1962	1027	1132	1674	1987	1547	1330	1057	1415	1054	1168	826	737	806	902	1564	1156	1029	1149	1207	939	1127	994	1234	800	295	414	706	726	976	1145	830	24,259
1963	715	815	774	655	870	495	1073	893	1074	746	999	1034	576	789	985	854	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	1276	1288	1034	734	880	1116	989	597	592	651	760	1046	2152	10378	27294	19763	8143	6843	3706	4590	3940	129,405	
1965	714	767	1091	1178	936	1193	963	665	749	971	1481	906	941	582	819	766	745	747	501	407	546	576	889	815	1030	924	829	1184	803	879	707	26,945
1966	842	804	784	1012	1147	955	912	679	1156	658	671	1049	666	1088	1203	795	444	670	988	573	1117	553	642	633	605	704	498	368	551	1074	630	24,259
1967	912	871	685	922	720	1014	957	854	698	700	1034	682	692	374	374	410	583	934	724	994	740	527	880	1213	890	720	1243	865	766	809	24,707	
1968	1132	1183	1018	1251	1038	1270	974	942	1030	1127	1012	1105	1004	725	906	1082	1114	702	943	779	893	950	946	1335	1476	1100	1113	822	1040	879	31,704	
1969	567	616	727	646	745	722	606	873	835	1131	1155	1256	351	728	1115	536	836	798	831	1017	1074	1426	1307	1266	865	945	919	707	824	355	548	26,475
1970	2455	1989	1858	1877	1493	1578	1638	2289	2722	2743	2154	1602	1427	1719	1566	1229	1266	1443	1116	668	1332	1424	1338	996	953	1203	1122	1277	1703	1364	1297	50,257
1971	980	881	726	1189	1061	1424	1361	734	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	1704	1598	1658	1817	1946	1924	1893	1206	1189	1176	1008	1056	34,882
1973	1422	1433	1284	1457	1265	1531	1338	1476	1231	1151	989	1247	1291	1354	1125	988	1718	2059	1987	1701	1373	1806	1844	1712	1697	1594	1145	1809	1417	1511	1340	45,002
1974	707	821	644	1166	1135	1130	903	1104	934	540	532	684	1596	739	773	874	800	810	816	895	1112	1007	1086	375	793	927	870	681	786	604	1126	27,212
1975	922	1362	1225	1932	1013	1886	1987	1944	2267	2055	1808	1814	1410	1635	1548	1381	1317	1092	954	822	1002	1211	1210	1197	963	1359	1384	1248	1265	1176	1108	43,977
1976	442	913	724	739	759	816	725	733	884	898	787	831	810	696	928	884	677	607	570	556	655	678	423	510	572	465	595	1697	853	531	674	22,482
1977	1318	963	1311	1818	1837	1589	1705	1036	912	959	971	1070	1088	1147	3406	6815	2877	2350	1924	1622	1925	2284	3186	1016	1020	932	960	1002	902	1376	983	50,254
1978	1024	788	765	780	1816	1212	614	573	660	744	573	660	646	653	657	711	748	738	735	855	710	818	616	864	734	858	680	718	606	478	24,438	
1979	659	865	737	1051	173	826	829	865	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	843	27,537	
1980	1008	1038	1187	1551	1681	1736	1689	1587	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	1689	34,892	

NATURAL FLOW OF THE BOISE RIVER
IN SECOND FEET
BEGINNING 1961

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
1961	1025	1116	1151	902	990	1049	1031	1110	1126	1011	1055	1051	970	1161	1411	1501	1402	1084	2837	3275	3851	3725	2636	1702	2021	1864	1904	1795	1557	1641	1209	50,183
1962	1371	1147	1249	1228	1316	1461	1674	1362	1078	953	1073	1070	1184	1366	1449	1654	1257	1483	1377	1382	1824	2866	2813	2046	1809	1693	1805	1433	1203	1090	1018	45,744
1963	1254	1419	1596	1021	860	1342	2456	1650	1685	1820	2348	2208	2962	2158	2159	1858	1490	1252	1713	1249	1023	1578	1113	923	1371	1867	1933	1417	1294	1517	1376	49,272
1964	1234	939	904	852	814	951	872	1116	1206	1595	1368	1245	1215	918	1156	1200	1031	895	534	976	1110	1352	1196	1345	972	1120	1169	1321	1096	1234	1125	34,234

RUNOFF IN MILLIONS OF ACRE-FEET



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

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

CHART 3-A

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	
1898-1899	2,914,444	JUNE	731,400	(MAY 10-1899) JUNE 20	19,000 18,700	
1903-1904	3,029,516	MAY	828,600	(APRIL 15-1904) MAY 23	19,700 18,700	
1906-1907	3,207,380	MAY	683,520	(APRIL 15-1907) MAY 19	17,000 13,400	
1908-1909	2,744,790	JUNE	655,220	JUNE 5 & 6	16,000	
1909-1910	2,756,360	APRIL	609,980	(MARCH 22-1910) APRIL 12	16,600 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 (APRIL 28-1952)	25,040 23,429	
1951-1952	2,866,216	MAY	901,634	MAY 5	18,955	
1955-1956	3,173,886	MAY	841,354	MAY 25 (MAY 1, 1965)	22,949 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 (MAY 16, 1972)	20,253 16,345	
1971-1972	3,077,138	MAY	752,262	JUNE 2 (MAY 9, 1974)	19,559 18,469	
1973-1974	3,212,958	JUNE	787,716	JUNE 17	18,375	
1981-1982	3,195,708	MAY	883,648	MAY 4	19,195	
1982-1983	3,330,190	MAY	831,100	MAY 30	24,294	
1983-1984	2,870,730	MAY	706,104	MAY 16	22,430	

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET
FOR IRRIGATION YEARS BEGINNING 1904 - 1995

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
1894-95	54,200 (8)	54,000	62,700	78,600	68,700	103,100	243,140	393,720	223,720	152,300	63,600	5,000	1,559,520
1895-96	57,400	54,900	59,700	73,400	67,600	157,500	295,640	553,820	146,420	395,370	81,960	57,900	3,301,142
1896-97	54,200	61,300 (3)	64,600	50,500	55,200	89,000	476,000 (5)	90,000 (6)	41,500 (5)	143,300	67,700	63,500	2,045,930
1897-98	63,400	64,000	61,000 (7)	31,100	67,000	119,000	251,700	302,200	299,360	116,840	45,720	391,600	1,482,676
1898-99	53,600	56,240	151,640	166,600	78,640	113,900	425,740	600,200	301,600	356,160	109,940	60,900	2,914,444
1899-1900	93,600	90,000	97,000	125,400	110,500	305,200	380,120	510,720	300,640	84,156	53,500	51,212	2,182,152
1900-01	63,570	61,800	65,060	73,440	98,340	173,300	305,900	656,460	287,400	116,400	52,222	49,704	1,995,716
1901-02	56,460	55,900	76,400	61,300	90,440	89,700	231,470	353,460	287,160	106,700	49,496	40,914	1,400,636
1902-03	43,500	54,118	63,474	81,760	63,570	143,560	449,220	506,200	601,000	147,500	53,000	46,344	2,269,876
1903-04	59,554	67,800	67,800 (7)	124,000 (1)	108,000 (1)	671,840	671,840	826,600	571,060	201,920	71,972	43,900	3,077,316
1904-05	59,100	54,000	54,000 (7)	50,400 (2)	56,200 (2)	101,900	176,200	279,220	247,660	78,060	39,700	34,660	1,103,090
1905-06	42,900	41,010	40,410	50,910	57,240	101,100	337,920	424,100	346,600	163,340	52,410	41,070	1,703,270
1906-07	66,670	66,700	66,700	74,000 (6)	125,000 (3)	361,200	673,540	693,520	534,560	335,840	101,600	620,700	3,207,300
1907-08	57,070	59,700	63,200	67,190	63,200	141,130	382,320	370,560	324,700	157,940	64,220	55,524	1,844,636
1908-09	64,400	59,200	50,000	131,160	110,600	228,840	473,720	605,540	65,520	27,800	63,600	57,200	2,744,770
1909-10	63,140	200,560	124,760	77,000	66,600	566,300	607,900	511,760	310,960	110,040	55,070	56,390	2,756,260
1910-11	63,210	73,180	76,820	63,010	76,540	159,570	329,960	549,120	740,650	233,040	74,206	59,636	2,494,032
1911-12	66,670	66,700	66,700	74,000	76,120	97,590	340,920	641,140	677,760	173,900	63,300	66,000	2,477,000
1912-13	66,600	67,000	66,600	53,000	51,000	101,800	374,960	573,740	413,420	159,660	82,964	54,790	2,060,404
1913-14	63,524	60,100	61,304	211,960	24,960	216,040	46,940	553,660	307,700	124,130	50,142	56,544	2,133,216
1914-15	69,684	59,166	44,820	57,580	57,726	91,282	196,558	274,128	191,900	83,072	40,266	39,672	1,213,794
1915-16	42,410	45,626	53,346	40,930	63,762	192,406	55,068	563,752	594,764	293,018	80,102	53,096	2,593,244
1916-17	59,106	34,020	57,702	47,628	47,604	61,740	26,202	634,156	463,322	262,216	65,224	43,380	2,251,840
1917-18	46,604	49,506	129,532	113,028	77,726	181,442	346,640	409,536	462,940	112,556	56,522	51,122	2,075,502
1918-19	64,292	56,578	43,118	30,532	58,844	114,916	339,554	509,192	240,872	69,736	34,604	34,262	1,674,600
1919-20	47,968	55,548	52,010	56,528	66,714	89,254	199,244	449,790	333,468	117,274	40,596	39,294	1,549,408
1920-21	59,966	75,678	67,106	112,422	94,098	271,472	394,484	820,738	710,728	175,390	62,908	48,784	2,905,074
1921-22	55,492	78,176	89,338	60,982	53,100	113,692	319,642	735,274	659,664	140,066	62,910	47,774	2,444,710
1922-23	52,168	48,886	59,472	60,944	50,660	97,700	273,726	450,010	376,008	192,904	67,852	42,946	1,766,556
1923-24	61,592	59,200	51,206	48,954	72,446	63,590	136,490	243,200	36,732	352,960	244,260	25,320	892,242
1924-25	39,218	52,962	42,912	48,414	123,306	192,370	501,862	704,486	367,720	153,910	60,720	47,202	2,336,510
1925-26	59,424	51,392	63,482	48,616	64,764	140,150	232,704	247,930	104,636	42,192	30,650	21,800	1,114,298
1926-27	34,882	67,600	84,702	62,700	107,342	195,560	574,434	660,044	757,736	230,042	74,454	57,570	2,677,106
1927-28	67,004	143,162	94,102	90,026	276,560	316,008	852,194	852,194	205,760	115,962	51,846	30,016	2,434,550
1928-29	47,936	50,404	46,770	46,690	49,214	106,534	179,238	353,536	205,968	96,482	35,116	31,002	1,330,510
1929-30	39,736	36,848	69,548	44,778	64,388	103,616	274,178	295,946	237,700	77,776	44,922	36,050	1,344,236

(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

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
1930-31	34312	45418	44108	44814	45598	91246	177172	231538	110844	34042	23952	23940	946,884
1931-32	31424	31224	36576	38612	36754	135826	239006	544176	459224	150444	51524	42720	1,922,970
1932-33	39142	56478	40596	43926	44136	64474	239346	341610	538198	106458	43964	32200	1,581,524
1933-34	41684	47684	53556	79860	78948	151696	249488	204008	85624	23570	23570	26072	1,080,470
1934-35	37226	49444	51208	52236	54336	83130	279458	428528	367562	98220	30058	29980	1,505,126
1935-36	33616	38268	37352	44612	47356	100060	577594	625906	319284	41354	41354	39360	1,994,842
1936-37	39772	45560	41560	37568	41228	89920	207350	381192	179936	59986	25948	25746	1,166,320
1937-38	36226	49828	61560	62492	31566	191026	711514	711514	558138	201292	71190	46010	2,625,842
1938-39	66826	67394	60980	52236	47170	164294	320918	341826	136300	28454	30436	30436	1,379,002
1939-40	40474	38738	49268	53058	75724	201512	355842	434480	227258	60910	30080	39548	1,612,160
1940-41	53168	59764	56534	54260	65368	113448	180300	365336	265776	85452	34696	41720	1,404,722
1941-42	48600	65700	106878	62182	63162	87804	341622	365374	365374	139112	46790	35496	1,682,756
1942-43	42564	64066	81782	153190	235134	235134	1066532	722004	627754	359598	100484	53192	3,563,670
1943-44	61802	70704	55768	49412	52610	68094	164000	203208	247726	45264	35352	35352	1,236,266
1944-45	40828	52200	42302	56520	80124	99160	202368	473146	405996	139040	51650	39020	1,682,684
1945-46	45822	53670	77412	79530	65808	218604	639804	639804	378822	125320	56618	45272	2,436,242
1946-47	61294	72214	109392	66364	87278	181276	294800	545764	297240	110646	46186	38466	1,905,602
1947-48	56344	57392	55404	63522	60480	73996	364424	505792	459706	109372	44612	36580	1,707,114
1948-49	44642	53918	51094	40938	45314	146924	416548	571670	304424	93542	41120	31176	1,849,320
1949-50	43284	57162	51500	63202	75010	134776	402618	565086	540282	23298	76620	48176	2,279,114
1950-51	61640	84418	80946	69948	125878	129272	356968	684894	440580	195608	70970	42550	2,547,002
1951-52	79204	63432	86390	68642	77070	103020	677890	901634	518282	171498	68160	40954	2,866,216
1952-53	52108	48142	54866	100936	88486	176730	393536	405582	388956	254270	73546	48228	2,169,496
1953-54	44870	57128	57732	64266	92288	149036	391720	597550	339656	179018	66560	41668	2,074,702
1954-55	49352	50178	46140	46716	40444	55940	129832	372720	419360	131730	56354	40794	1,464,498
1955-56	51704	66686	203818	147212	104470	220258	636502	841354	392508	138844	62734	55716	3,173,886
1956-57	68612	62464	69508	52448	32880	194032	361256	753940	510012	140306	51944	53366	3,124,828
1957-58	54116	52148	58128	55892	121836	124164	302378	946374	501566	142466	61766	54424	2,494,978
1958-59	51842	63796	83974	76466	69702	92542	276734	331594	362186	104896	48432	67634	1,469,768
1959-60	86908	60852	48514	51664	64990	177830	338988	372362	333350	81574	45728	46244	1,725,934
1960-61	47044	53842	47686	42454	58030	91230	172064	298818	229386	56870	40060	38212	1,176,776
1961-62	52150	31660	51872	54554	78256	87032	407856	404549	425398	142912	57452	49366	1,861,298
1962-63	71052	65014	65918	43612	14124	91904	100278	452916	411904	148765	57336	58736	1,788,556
1963-64	32040	66978	51172	52170	53960	71218	262166	407856	407856	157345	50092	52798	1,731,596
1964-65	47408	34288	258810	160336	185666	165550	654180	836232	778808	328964	118256	77252	3,662,880
1965-66	65450	61218	52590	63168	47170	97960	248302	327154	327154	34000	37032	37666	1,271,978
1966-67	40108	46514	49118	63592	60448	83590	138430	403144	556106	49100	45416	37666	1,764,438
1967-68	38400	55142	49114	47040	98070	119392	132728	259886	278608	76126	72200	55550	1,371,574
1968-69	63900	63568	127336	147928	65184	724322	396216	129452	129452	51778	46678	40578	2,518,330
1969-70	56088	47734	35950	127058	101728	149020	189668	577010	571508	205552	61036	46950	2,194,302

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
1970-71	59954	97070	100514	156024	167320	211494	548362	922614	708614	297436	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	253786	599914	736774	787716	238736	78966	54292	3,212,976
1974-75	59974	55046	54424	59334	63858	145754	204658	618984	656228	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	27386	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	105786	140420	349668	199184	58260	44912	38732	1,190,668
1979-80	44574	37648	45274	73156	90782	124636	363104	572048	407242	180914	58564	59422	2,059,364
1980-81	42296	57376	69984	76548	86290	115042	205220	343298	287544	82738	38092	37032	1,441,430
1981-82	45890	69934	100366	70410	186474	244858	422888	883648	662230	330936	93770	65304	3,196,708
1982-83	75512	69198	91488	114736	107282	350830	405096	831100	781436	325250	109010	69252	3,330,190
1983-84	76832	104694	98544	82612	94818	228722	438570	706104	617694	262018	87430	72692	2,870,730

[illegible]

CHART NO. 5

168,121
1,018
169,139

CHARTERED

124,196
858
125,054

CHART NO. 5

42,921
408
43,329

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM THE BOISE RIVER
DURING THE IRRIGATION SEASON OF 1984

CHART # 6

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTAL
AIKEN	0	88	114	202	186	96	42	728
ANDREWS	696	1584	1386	758	700	1364	120	6608
BALLENTYNE	424	1060	930	1072	1130	1066	388	6070
BAXTER	0	1180	854	1026	1018	1018	274	5370
BOISE CITY	628	1894	1872	1874	1788	1652	750	10,458
BOHMAN SWISHER	144	324	446	368	678	162	56	2178
BUBB (SO. BOISE MUTUAL)	384	434	584	796	758	732	240	3928
CALDWELL HIGHLINE	1206	2372	2690	2838	2718	2254	1154	15,232
CAMPBELL (CANYON DITCH)	422	1392	1714	1864	1892	1908	582	9774
CANYON COUNTY	932	3126	3510	4370	3930	2870	1272	20,010
CONWAY HAMMING	0	88	84	208	234	72	64	750
DAVIS DITCH	96	482	494	560	568	540	64	2804
EUREKA # 2	1540	6998	5856	6890	6538	6712	2362	36,896
FARMERS UNION	1910	11374	11944	13630	12778	9618	3426	64,680
GRAHAM GILBERT	50	102	138	174	156	54	42	716
HAAS	198	834	926	1100	1060	924	412	5454
HART DAVIS	0	658	562	546	642	428	0	2836
ISLAND HIGHLINE	510	1192	1442	2090	2716	3506	1344	12,800
LEMP	110	214	128	232	208	128	56	1076
LITTLE PIONEER	794	1642	1654	1906	1964	1364	542	9866
LOWER CENTER POINT	696	1956	2058	1796	2336	1656	1012	11,510
MACE CATLIN	0	224	292	372	542	344	70	1844
MACE MACE	36	36	0	170	86	60	30	418
MAHMON	0	236	418	480	522	376	96	2128
MCCONNEL ISLAND	1284	3026	2576	2474	2154	1928	718	14,160
MCMANUS TEATER	0	64	104	260	246	190	38	902
MIDDLETON	3284	10646	10022	11762	8938	5990	2466	53,108
MISCELLANEOUS	1168	1436	1780	1870	2036	1716	816	10,822
NEW DRY CREEK	548	3280	3422	4048	3914	2386	958	18,556
NEW YORK CANAL (B.OF C.)	64682	133394	142040	167120	167746	124406	43856	843,244
PARMA	840	1866	1700	1386	1180	762	288	8022
PENITENTIARY	0	74	476	468	436	190	50	1694
PHYLLISS	8854	25794	26836	31290	28284	14990	5340	141,388
RIDENBAUGH	8052	30114	30278	32624	31888	25458	6878	165,292
RIVERSIDE	7740	10172	12870	12572	11984	11242	5336	71,916

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM THE BOISE RIVER
DURING THE IRRIGATION SEASON OF 1984

CHART # 6

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTAL
ROSSI MILL	176	618	516	540	484	566	236	3136
SEBREE (FARMERS COOP)	1822	11348	14758	20032	18688	12004	3686	82,338
SETTLERS	378	7334	8942	11480	10836	6234	560	45,764
SEVEN SUCKERS	0	72	92	88	76	64	0	392
SIEBENBERG	54	782	410	640	826	476	28	3216
THURMAN MILL	276	1338	1738	1850	1786	1596	600	9184
UPPER CENTER POINT	168	954	918	1096	1234	642	212	5224
WARM SPRINGS DITCH	168	238	308	350	434	364	194	2056
TOTAL	110,270	282,040	299,882	347,272	338,318	250,108	86,658	1,714,548

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

SOME CANALS DIVERT THEIR WATER THROUGH ANOTHER CANAL.

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

MISCELLANEOUS IS A GROUP OF INDIVIDUAL USERS.

RIEDEL RIVER CANAL DIVERSIONS IN ACRE FEET

BEGINNING 1967

NAME OF CANAL	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
ALLER		1212	1336	1370	914	1112	1320	1712	626	1756	1034	966	6734	606	1970
ANDREWS		8042	7708	9740	7070	7070	5702	8230	7447	5022	7650	5176	6550	6662	700
BALLANTINE	5148	4518	6204	6410	6410	6410	6364	6468	594	6100	5410	5734	6430	5322	1000
BARTER		4460	4100	4100	4566	4464	5042	4180	434	4706	4182	9554	4042	9594	3462
BOISE CITY	5812	10430	11110	10552	12730	12430	11614	12358	12038	11410	8040	9554	4042	9594	10700
BOISE VALLEY	17008	19124	20350	17462	17546	17494	17500	20544	12078	13273	16592	10172	10352	15312	15314
BOONE		106	106	0	0	0	0	0	0	0	0	0	0	0	0
BONHAM-CHUBB		3474	2030	2044	3664	2956	3506	3070	2340	2560	4030	3182	2714	2240	2564
BURB (SOUTH FORSE NATURAL)	5790	4452	4000	3730	4170	3630	3526	3986	3342	3986	3124	4220	4140	3876	3176
CALDWELL MIDD LANE	21440	17300	19044	18440	19438	16356	16534	15592	12008	16270	10330	17204	17530	10342	12160
CAMPBELL (CANYON)	9344	9336	11250	11054	12030	12030	10234	12218	9974	1240	5266	6226	1076	1050	1077
CANYON COUNTY WATER CO	24268	24420	24662	27706	26070	26704	26026	23908	22076	22066	19552	20054	21240	21602	21144
CAPITAL VIEW IRRIG. DIST.	2072	1242	1304	832	2222	254	2450	2354	2200	2440	2712	2722	1640	2614	2734
COMAN-CHUBB		1230	1304	832	2222	254	2450	2354	2200	2440	2712	2722	1640	2614	2734
DAVIS DITCH	3034	4680	4124	4030	3762	3970	3504	3110	2722	2740	2660	2794	3152	2670	2070
ELK RIVER CO. #1	7574	8456	10560	10572	10236	9330	10090	10412	1670	6730	7162	8030	7076	9540	9700
ELK RIVER CO. #2	32666	36668	31052	37332	35530	39470	37924	36616	37044	31344	2756	33100	34712	36526	37000
FARMERS UNION	51000	40316	57656	53100	56300	54104	10272	572	5926	61020	4492	40520	46062	40610	46005
GARDNER-SILBERT		640	676	534	204	306	10272	572	166	10272	572	464	466	466	466
HAAS	4234	4234	3330	4030	4004	4156	4062	4200	4506	4674	4044	2014	4412	4060	3632
HART-DAVIS		5776	4302	3702	2702	2622	3320	2610	2746	2736	2450	2226	1642	3062	3100
ISLAND HIGH LINE	17014	17014	15900	15950	12912	13410	14300	15530	13636	15150	15614	12614	15102	10014	16222
LISP	2900	2900	1504	2174	840	1160	1000	1110	754	726	1064	1134	1416	1070	1270
LITTLE PIONEER	11202	9114	14032	16336	12964	13410	12934	14230	1930	10276	8506	9000	3652	11712	10456
LOWER CENTER POINT	12302	11252	8676	9660	9370	10630	10650	13172	11470	10330	12510	1660	11300	10532	11270
MCCLELLIN	2420	2420	2400	2002	2504	2700	3670	2552	2242	2042	2706	2470	7006	2130	2500
MCCLELLIN	1114	1114	814	750	372	324	716	390	414	292	215	474	374	202	700
MCCLELLIN	1162	1162	1304	1704	2070	1802	1672	1620	1620	2152	2130	1934	2460	2562	2442
MCCORMICK ISLAND	10432	10432	12094	15302	13102	12934	9700	17442	12902	14472	12302	12356	12902	10000	14006
MCCORMICK AND TRAIL	1340	1340	1564	1136	1112	1424	1564	1774	1244	1926	2224	1356	4270	1130	1266
MCCORMICK #1	612	612	690	846	570	740	664	766	626	200	0	0	0	0	0
MCCORMICK #2	27920	27920	31020	32000	30304	31542	29700	20620	3001	20626	26130	22344	26554	27276	2604
MIDDLETON WATER CO.	20724	21032	22456	23110	22456	22456	21723	22170	21723	20136	18122	16100	10222	28526	10074
MUSKIE TON HILL DITCH	5962	6102	9960	2370	2650	2222	2706	2024	3330	3306	4538	4724	4724	4730	5440
MISCELLANEOUS		17764	21764	19110	19690	17346	17040	19402	16372	17030	17060	15374	16016	16016	15310
NEW DRY CREEK	10000	5110	4024	4002	4474	4762	4770	4700	4214	4130	3036	4402	3932	4172	3932
NEW UNION	5150	853014	930700	885692	107552	86044	851016	93782	810704	072066	53310	077472	072066	072066	215676
NEW YORK CANAL (R. OF C.)	900206	7462	6004	8670	8402	8426	7659	6300	5004	2660	7136	5000	6530	5000	715676
PANAMA		2114	2000	2342	2720	2404	2056	2006	2402	2006	102	1030	1034	2040	7400
PENITENTIARY	1754														
POTILLIS	179072	105040	124900	120064	120064	135206	120300	124672	110054	133324	52772	116042	116042	123060	110014
PIONEER DITCH	24006	24006	27510	27510	27510	27510	27510	27510	27510	27510	27510	27510	27510	27510	27510
RIVERDALE	174206	169182	172000	172000	172000	172000	172000	172000	165350	165350	165350	165350	165350	165350	165350
RIVERSIDE	57026	54270	51356	43530	57700	67660	60720	59162	50704	56700	53773	50094	52706	52706	52706
RUBEL	12000		610	600	312			0	0	0	0	0	0	0	0

POISE RIVER CANAL DIMENSIONS IN MORE FEET

BEGINNING 1967

NAME OF CANAL	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980
JONES HILL (SOUTH POISE CANAL)	3222	3702	3478	3212	3128	3340	3244	3326	3100	2944	2908	3122	2834	3000
SEWEE (FARMERS CO-OP)	105780	101228	94108	91292	95550	96446	96550	98316	90772	88328	84128	86408	84852	84316
SETTLERS	52424	51430	51730	55450	56316	57818	51838	55072	47904	48144	43550	46356	44110	46010
SEVEN SQUIRES	1320	708	708	614	762	602	470	420	572	540	458	318	448	418
SILVERBEE	4280	3736	4378	4756	3310	3738	3724	4478	3450	3724	3512	2604	3610	3316
THURMAN HILL	10512	10198	11564	9102	9642	10608	10330	8570	8844	8058	9706	8462	10038	11052
WYNN CENTER PULPIT	5270	5518	5186	5322	5094	6136	6914	6630	6772	6474	6706	5710	5710	5412
WYNN CREEKS DITCH	2558	2558	2116	1528	1936	1658	1910	1150	2432	1734	2114	8704	2058	2114
TOTAL CANAL DIMENSIONS	1785410	1755632	1870648	1810684	1882374	1832428	1790102	1900080	1756448	1772194	1292966	1664534	1705520	1735654
STORAGE WATER USED		581723	555409	471312	418022	422038	461186	43174	418705	500326	594749	400908	405344	405344
SUMMER RETURN FLOW USED	428828	255799	305530	473236	485686	483054	276678	451932	446230	473054	325246	473078	404170	470270
NATURAL FLOW USED IRRIGATION SEASON		920210	925629	916136	977866	927376	1092238	973514	872213	796668	386464	876548	745176	614318
FLOOD CONTROL & OTHER LOSS TO IRRIGATION SEASON	0	0	279554	32406	909339	82360	0	1598234	459822	405244	0	432045	384000	384000
LOSS TO THE POISE RIVER WATERS		23060	783482	573559	1336242	1073714	(111111)		2215670	1764384	964690	1660401	1226099	1226099
OUTFLOW LUCKY PEAK RESERVOIR (APRIL 1 TO OCT. 31)				182344	2541080	2266804	1400638	3046322	42870	19340	27054	23100	47100	470000
FISH & GAME	37050	18772	10290	16126	12056	19534	19195	34046	42870	19340	27054	23100	47100	470000
NEW YORK CANAL DIMENSIONS OTHER THAN IRRIGATION SEASON	93770	27416	0	4272	0	82902	100148	136988	38334	36242	0	128000	70716	27416
FLOOD CONTROL AND OTHER LOSS TO THE SYSTEM TOTAL YEAR	0	0	203378	420626	1969314	1810036	0	1598234	593024	254804	0	470556	914650	70716
TOTAL DIMENSIONS JANUARY 1 TO DECEMBER 31	1785410	1802740	1880138	1831082	1894430	1914804	1909445	2071114	1837052	1827776	1329030	1866474	1746140	1818006
TOTAL NATURAL FLOW JANUARY 1 TO DECEMBER 31	1487002	1364416	2519304	2295068	3361958	3080356	1370052	3147560	2408310	2020830	694759	2225452	70716	1226099
TOTAL LOSS TO THE POISE RIVER WATERS	454780	1527244	1218344	1218344	2520166	2110052	(111111)		42870	19340	27054	23100	47100	470000
TOTAL OUTFLOW LUCKY PEAK	1642352	1466966	2304276	2102978	3386002	3159410	1551496	3840722	2437876	2109526	997852	1877312	1834414	1226099

YEARS 1950 THRU 1966 IN PREVIOUS REPORTS

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

NOISE RIVER CANAL DIVERSIONS IN ACRE FEET

BEGINNING 8967

NAME OF CANAL	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981
ROSS HILL (SOUTH NOISE CANAL)	3237	3002	3478	3212	3428	3340	3244	3356	3168	2844	2398	3122	3008	3100	3100
WHITE (FARMERS CO-OP)	103780	101228	94108	91702	95350	96446	96716	96716	80772	80772	74128	81002	81002	81002	81002
SEILERS	52424	51430	51730	53450	56316	57818	51838	55072	47904	48144	43550	46356	43987	44108	46410
SOUTH SICKLES		1330	788	664	762	602	470	420	572	540	458	318	428	448	418
SILVERBEE	4280	3736	4378	4756	3310	3328	3724	4478	3450	3724	3512	2604	2774	3610	3116
THURMAN HILL	10512	10198	11564	9102	9642	10608	10730	8520	8844	8958	9706	8462	10448	10508	11152
UPPER CENTER POINT	3270	5518	5166	5320	5094	6136	6934	6830	2432	6474	6986	7652	6312	5512	5512
KNOX CREEK DITCH		2558	2116	1528	1936	1658	1910	1650		1724	2114	1704	2034	2058	2144
TOTAL OTHER DIVERSIONS	178540	175562	1870648	1810584	1882374	1835428	1792102	1900080	1756648	1772104	1292866	1644534	1704014	1705520	1,575,674
STORAGE WATER USED		581723	555487	471312	418822	422038	461866	475174	418205	500356	594749	400208	619758	495344	600346
SUMMER RETURN FLOW USED	428828	253679	385530	473236	485086	483054	236478	451392	446270	473054	325246	437078	373637	464330	460270
NATURAL FLOW USED IRRIGATION SEASON		920210	929529	916136	977866	927376	899230	973514	952213	796068	386404	826548	710408	745136	614718
FLOOD CONTROL & OTHER LOSS TO IRRIGATION SEASON	0	0	229554	324006	989379	823660	0	1598234	452022	415244	0	432945	0	384000	731610
LOSS TO THE NOISE RIVER BASIN		237060	783482	573559	133242	107314	(BULE T.)		2215670	1784384	964680	1660401	1304816	1,278,000	1,443,314
OUTFLOW LUCKY PEAK RESERVOIR (APRIL 1 TO OCT. 31)				1873244	2541080	2266804	1400638	3046922	42870	19340	27064	23100	38116	41100	40000
FISH & GAME	37030	18772	10790	16126	12036	19354	19195	34046	42870	19340	27064	23100	38116	41100	40000
NEW YORK CANAL DIVERSIONS OTHER THAN IRRIGATION SEASON	93770	27416	0	4722	0	82902	100148	136788	38334	36242	0	128800	4126	20216	2,110
FLOOD CONTROL AND OTHER LOSS TO THE SYSTEM TOTAL YEAR	0	0	209378	92606	199314	1810036	0	1598234	573024	758804	0	438556	0	914000	731610
TOTAL DIVERSIONS, JANUARY 1 TO DECEMBER 31	1785810	1802940	1880338	1831082	1894420	1914804	1909445	2071114	1837052	1827276	1320030	1816434	1246440	1028886	1,275,284
TOTAL NATURAL FLOW, JANUARY 1 TO DECEMBER 31	1487002	1364416	2519304	2295608	2361958	3080336	1378052	3147560	2498310	2028030	694759	2256452	1170710	5011504	1,443,314
TOTAL LOSS TO THE NOISE RIVER BASIN		454780	1522244	1218344	2528166	2110052	(BULE T.)		2498310	2028030	694759	2256452	1170710	5011504	1,443,314
TOTAL OUTFLOW LUCKY PEAK	1647352	1468906	2384276	2102778	3366202	3194410	1551496	3046722	2432786	2109526	927852	1877125	1365618	1,443,314	1,443,314

YEAHS 1950 INTO 1966 IN PREVIOUS REPORTS

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

BOISE RIVER CANAL DIVERSIONS IN ACRES FEET

BEGINNING 1982

NAME OF CANAL	1982	1983	1984
ALLEN	856	912	728
ANDREWS	3124	4932	6608
BALLENTINE	5410	7380	6070
BARTER	4002	3934	5370
BOISE CITY	10224	10964	10458
BOISE VALLEY	18088	16630	15698
BOWMAN SWISHER	2866	2886	2178
BURB (50% BOISE MUTUAL)	3186	3214	3928
CALDWELL HIGHLINE	15232	17200	15232
CAMPBELL (CANYON)	8164	9272	9774
CANYON COUNTY WATER CO.	21816	19580	20010
CAPITAL VIEW 18816, DIST.	2374	2570	2372
COMBAY HARRING	770	680	750
DAVIS DITCH	2718	2554	2804
EUDELA WATER CO. # 1	10468	10486	10526
EUDELA # 2	34944	36440	36896
FARMERS UNION	46212	45140	46610
GRAHAM GILBERT	670	682	716
HAAS	5122	3760	5454
HART DAVIS	2732	2078	2836
ISLAND HIGHLINE	17504	15828	12800
LEMP	996	936	1076
LITTLE PIONEER	10128	10938	9866
LOWER CENTER POINT	10876	12080	11510
MACE CATLIN	1830	1712	1844
MACE MACE	226	112	418
MAMON	2086	1790	2128
MCCORMICK ISLAND	14746	13816	14160
MCKINLEY & TEATER	1004	950	902
MIDDLETON WATER CO.	29786	28880	30800
MIDDLETON MILL DITCH	21554	20916	23308
MISCELLANEOUS	4514	11728	10822
NEW DRY CREEK	12634	14568	14042
NEW UNION	3782	3564	4514
NEW YORK CANAL (B. OF C.)	859944	857210	843244
PADMA	6608	5986	8022
PENITENTARY	2702	2022	1694
PHILLIPS	132044	127930	130862
PIONEER DITCH	28672	25764	23970
RIDENBAUGH	166456	166240	165292

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET
BEGINNING IN 1982

NAME OF CANAL	1982	1985	1984
RIVERSIDE	59346	51500	47946
ROSSI MILL	3146	3578	3136
SEBREE (FARMERS COOP)	84316	78584	82358
SETTLERS	48016	45326	45764
SEVEN SUKERS	468	380	352
SIEBENBERG	3644	3434	3216
THURMAN MILL	9168	8505	9184
UPPER CENTER POINT	5464	4122	5224
WARM SPRINGS DITCH	1398	1656	2056
TOTAL SUMMER DIVERSIONS	1,714,832	1,720,850	1,714,548
STORMAGE WATER USED	406,616	440,316	518,256
SUMMER RETURN FLOW USED	487,500	504,934	502,716
NATURAL FLOW USED IRRIG. SEASON	830,716	775,580	693,576
FLOOD CONTROL & OTHER LOSS TO IRRIG. SEASON	627,006	889,946	874,380
OUTFLOW FROM LUCY PEAK RESERVOIR APRIL THRU OCT.	2,271,838	2,610,796	2,308,928
FISH AND GAME	19,960	15,600	0
NEW YORK CANAL DIVERSIONS OTHER THAN IRRIGATION SEASON	26,316	3880	1000
FLOOD CONTROL AND OTHER LOSS TO THE SYSTEM TOTAL YEAR	1,333,738	1,656,818	1,291,390
TOTAL DIVERSIONS JANUARY 1 TO DECEMBER 31	1,791,108	1,740,250	1,715,548
TOTAL NATURAL FLOW JANUARY 1 TO DECEMBER 31	3,216,716	3,374,062	2,810,017
TOTAL OUTFLOW LUCY PEAK	3,078,570	3,397,058	3,086,938

YEARS 1950 THRU 1966 IN PREVIOUS REPORTS

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

TABLE SHOWING ACRE FEET PER ACRE DIVIDED BY ROUTE, DRAINAGE CANALS,
FOR EACH IRRIGATION SEASON FROM 1965
SURFACE TAKEN FROM CHART NO. 9)

[illegible]

TABLE SUMMING ACRE FEET FOR ACRE IRRIGATED BY RIVER, WALKER CANALS
FOR EACH IRRIGATION SEASON FROM 1965
(ACREAGE TAKEN FROM CHART NO. 9)

NAME OF CANAL	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975
PEPPERHART	321	433	431	321	626	321	321	749	1014	926	926
PHILLIS	24362	24362	24362	24362	344	24362	24362	543	494	511	421
PIONEER DIXIE	2030	2030	1192	2030	787	3000	3000	795	1012	927	927
RIDGEMOUNT	26247	26247	648	26247	659	26247	26247	677	654	651	600
RIVERVIEW	10645	10645	536	10645	482	10645	10645	654	570	555	495
ROSEL	500	500	646	160	381	160	160	195	55	0	0
ROSS MILL	694	648	646	1113	696	500	500	666	649	665	638
SEBREE (FARMERS CO-OP)	15500	15500	682	653	607	15500	15500	615	636	630	571
SETTLERS	12282	461	427	419	423	12282	12282	453	422	448	391
SEVEN JACKERS				1900	1126	70	70	860	671	600	617
SHERBURN	646	653	663	646	678	646	646	512	576	603	534
SHERMAN HILL	1799	1799	584	1799	643	1799	1799	536	574	473	492
UPPER CENTER POINT	641	641	822	641	809	641	641	795	1083	1065	1065
WORM SPRINGS DITCH				494	428	494	494	392	387	324	432
TOTALS	307955	308604	3079	314578	588	314578	314578	579	566	600	555

* IRRAWADDY RIVER CANALS AND ACREAGE DATA IN THIS CHART ARE BASED ON THE BALANCE OF THE LAND UNDER THE CANALS WHICH ARE IRRIGATED WITH WATER TAKEN FROM THE IRRAWADDY RIVER AND FROM OTHER SOURCES.
THE 1965 AND 1966 DATA ARE BASED ON THE 1965 AND 1966 ANNUAL REPORTS.
THE 1967 AND 1968 DATA ARE BASED ON THE 1967 AND 1968 ANNUAL REPORTS.
THE 1969 AND 1970 DATA ARE BASED ON THE 1969 AND 1970 ANNUAL REPORTS.
THE 1971 AND 1972 DATA ARE BASED ON THE 1971 AND 1972 ANNUAL REPORTS.
THE 1973 AND 1974 DATA ARE BASED ON THE 1973 AND 1974 ANNUAL REPORTS.
THE 1975 DATA ARE BASED ON THE 1975 ANNUAL REPORT.

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	1981	1982	1983	1984
AIKEN	236	5.32	236	4.38	236	4.09	5.48	3.75	3.98	3.63	3.86	3.08
ANDREWS	1068	4.70	1068	7.17	1068	4.85	6.18	5.68	4.93	4.80	4.62	6.19
BALLENTYNE	763	8.01	763	7.10	763	4.39	7.96	8.04	7.90	7.09	9.67	7.96
BAXTER	200	23.53	200	20.91	200	17.35	24.21	26.61	17.31	20.01	19.17	26.85
BOISE CITY	1828	6.25	1828	4.84	1828	5.23	4.85	5.25	5.88	5.59	5.67	5.72
BOISE VALLEY	2729	4.86	2729	6.01	2729	6.66	6.72	5.76	5.84	6.63	6.09	5.75
BOONE	517	.00	517	0	517	0	0	0	0	0	0	0
BOWMAN-SMISHER	424	6.04	424	9.52	424	7.50	6.40	6.48	5.34	6.25	6.81	5.14
BURB (SOUTH BOISE MUTUAL)	1057	3.78	1057	2.96	1057	3.99	4.11	3.00	2.91	3.01	3.04	3.72
*CALDWELL HIGH LINE	3960	4.11	3960	4.63	3960	4.47	4.43	4.63	4.33	3.83	4.34	3.85
CAMPBELL (CANYON)	802	11.53	802	7.11	802	7.76	11.27	11.28	11.44	10.18	11.56	12.19
CANYON COUNTY	3957	5.78	3957	4.94	3957	5.07	5.37	5.46	5.34	5.51	4.95	5.06
CAPITAL VIEW	600	4.08	600	4.63	600	3.70	2.75	4.36	3.81	3.96	4.28	3.95
CONWAY-HAMMING	259	3.27	259	3.37	259	2.59	4.14	3.08	3.64	2.82	2.39	2.90
DAVIS DITCH	634	4.33	634	4.20	634	4.41	4.97	4.24	4.54	4.29	4.03	4.42
EAGLE ISLAND CANALS (LISTED INDIVIDUALLY)												
EUREKA #1	1800	3.74	1800	4.26	1800	4.46	3.94	5.30	4.84	5.82	5.83	5.85
EUREKA #2	2625	11.94	2625	10.51	2625	12.64	13.22	13.93	14.86	13.31	13.88	14.61
FARMERS UNION	8372	7.29	8372	5.43	8372	5.80	5.60	5.81	5.60	5.52	5.39	5.57
GRAHAM-GILBERT	200	2.83	200	4.09	200	2.32	4.50	3.03	4.09	3.35	3.41	3.58
HAAS	867	5.39	867	5.70	867	4.51	5.09	5.73	4.19	5.91	4.34	6.29
HART-DAVIS	453	6.04	453	5.43	453	4.91	8.04	8.53	7.50	6.08	4.59	6.26
ISLAND HIGH LINE	945	16.04	945	15.89	945	13.35	15.98	20.99	17.17	18.52	16.75	13.54
LEMP	300	3.09	300	3.55	300	3.78	4.72	3.37	4.26	3.32	3.12	3.59
LITTLE PIONEER	1336	7.65	1336	6.37	1336	7.34	7.22	8.81	7.83	7.58	8.20	7.38
LOWER CENTER POINT	880	11.75	880	14.22	880	10.91	13.30		13.38	12.36	13.73	13.08
MACE-CATLIN	536	3.81	536	5.20	536	4.61	5.24	11.97	4.83	3.41	3.19	3.44
MACE-MACE	80	3.53	80	3.08	80	5.30	4.68	2.53	2.88	2.83	1.40	5.23
MAHON	468	4.60	468	4.57	468	4.22	5.26	5.47	4.79	4.46	3.82	4.55
MCCONNEL ISLAND	1600	9.05	1600	7.74	1600	7.72	7.88	11.31	9.31	9.22	8.64	8.85
MCMAHUS & TEATER	168	11.76	168	13.24	168	8.07	7.68	6.77	7.54	5.92	5.65	5.37
NEEVES #1	73	9.59	0 (INCL. IN MISC.)		0 (INCL. IN MISC.)					0	0	0
NEEVES #2	26	23.23	0 (INCL. IN ROSSI MILL)		0 (INCL. IN ROSSI MILL)					0	0	0
MIDDLETON IRRIGATION ASSOC.	5180	5.53	5180	5.04	5180	4.31	5.13	5.74	5.03	5.77	5.58	5.95
MIDDLETON MILL	4400	4.71	4400	4.30	4400	3.68	4.37	4.89	4.29	4.90	4.75	5.07
MISCELLANEOUS	801	4.23	888	5.11	888	5.60						
NEW DRY CREEK	3059	5.83	3059	5.58	3059	5.01	5.56	4.89	6.14	5.08	13.21	12.19
NEW UNION	688	6.00	688	5.58	688	6.53	5.72	6.06	5.20	4.13	4.70	4.53
NEW YORK CANAL (B. OF C.)	164,920	5.32	164,920	3.24	164,920	5.02	5.06	5.03	5.57	4.04	5.76	6.56
PARMA	602	12.72	602	11.85	602	8.46	10.85	9.80	11.25	5.21	5.20	5.11
										10.98	9.94	13.33

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	1981	1982	1983	1984
AIKEN	236	5.32	236	4.38	236	4.09	5.48	3.75	3.98	3.63	3.86	3.08
ANDREWS	1068	4.70	1068	7.17	1068	4.85	6.18	5.68	4.93	4.80	4.62	6.19
BALLENTYNE	763	8.01	763	7.10	763	4.39	7.96	8.04	7.90	7.09	9.67	7.96
BAXTER	200	23.53	200	20.91	200	17.35	24.21	26.61	17.31	20.01	19.17	26.85
BOISE CITY	1828	6.25	1828	4.84	1828	5.23	4.85	5.25	5.88	5.59	5.67	5.72
BOISE VALLEY	2729	4.86	2729	6.01	2729	6.66	6.72	5.76	5.84	6.63	6.09	5.75
BOONE	517	.00	517	0	517	0	0	0	0	0	0	0
BOWMAN-SWISHER	424	6.04	424	9.52	424	7.50	6.40	6.48	5.34	6.25	6.81	5.14
BURB (SOUTH BOISE MUTUAL)	1057	3.78	1057	2.96	1057	3.99	4.11	3.00	2.91	3.01	3.04	3.72
*CALDWELL HIGH LINE	3960	4.11	3960	4.63	3960	4.47	4.43	4.63	4.33	3.85	4.34	3.85
CAMPBELL (CANYON)	802	11.53	802	7.11	802	7.76	11.27	11.28	11.44	10.18	11.56	12.19
CANYON COUNTY	3957	5.78	3957	4.94	3957	5.07	5.37	5.46	5.34	5.51	4.95	5.06
CAPITAL VIEW	600	4.08	600	4.63	600	3.70	2.75	4.36	3.81	3.96	4.28	3.95
CONWAY-HAMMING	259	3.27	259	3.37	259	2.59	4.14	3.08	3.64	2.82	2.39	2.90
DAVIS DITCH	634	4.33	634	4.20	634	4.41	4.97	4.24	4.54	4.29	4.03	4.42
EAGLE ISLAND CANALS (LISTED INDIVIDUALLY)												
EUREKA #1	1800	3.74	1800	4.26	1800	4.46	3.94	5.30	4.84	5.82	5.83	5.85
EUREKA #2	2625	11.94	2625	10.51	2625	12.64	13.22	13.93	14.86	13.31	13.88	14.61
FARMERS UNION	8372	7.29	8372	5.43	8372	5.80	5.60	5.81	5.60	5.52	5.39	5.57
GRAHAM-GILBERT	200	2.83	200	4.09	200	2.32	4.50	3.03	4.09	3.35	3.41	3.58
HAAS	867	3.39	867	5.70	867	4.51	5.09	5.73	4.19	5.91	4.34	6.29
HART-DAVIS	453	6.04	453	5.43	453	4.91	8.04	8.53	7.50	5.08	4.59	6.26
ISLAND HIGH LINE	945	16.04	945	15.89	945	13.35	15.98	20.99	17.17	18.52	16.75	13.54
LEMP	300	3.09	300	3.55	300	3.78	4.72	3.37	4.26	3.32	3.12	3.59
LITTLE PIONEER	1336	7.65	1336	6.37	1336	7.34	7.22	6.81	7.83	7.58	8.20	7.38
LOWER CENTER POINT	880	11.75	880	14.22	880	10.91	13.30	11.77	13.38	12.36	13.73	13.08
MACE-CATLIN	536	3.81	536	5.20	536	4.61	5.24	3.97	4.83	3.41	3.19	3.44
MACE-MACE	80	3.53	80	3.08	80	5.30	4.68	2.53	2.88	2.83	1.40	5.23
MAHON	468	4.60	468	4.57	468	4.22	5.26	5.47	4.79	4.46	3.82	4.55
MCCONNEL ISLAND	1600	9.05	1600	7.74	1600	7.72	7.88	11.31	9.31	5.22	8.64	8.85
MCNAMUS & TEATER	168	11.76	168	13.24	168	8.07	7.68	6.77	7.54	5.92	5.65	5.37
NEEVES #1	73	9.59	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)	0 (INCL. IN MISC.)
NEEVES #2	26	23.23	0 (INCL. IN ROSSI MILL)	0 (INCL. IN ROSSI MILL)	0 (INCL. IN ROSSI MILL)	0 (INCL. IN ROSSI MILL)	0 (INCL. IN ROSSI MILL)	0 (INCL. IN ROSSI MILL)	0 (INCL. IN ROSSI MILL)	0 (INCL. IN ROSSI MILL)	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	5.03	5.77	5.38	5.95
MIDDLETON MILL	4400	4.71	4400	4.30	4400	3.68	4.37	4.89	4.29	4.90	4.75	5.07
MISCELLANEOUS	801	4.23	888	5.11	888	5.60	5.56	4.89	6.14	5.08	13.21	12.19
NEW DRY CREEK	3059	5.83	3059	5.58	3059	5.01	5.30	5.49	5.20	4.13	4.70	4.53
NEW UNION	688	6.00	688	5.58	688	6.53	5.72	6.06	5.57	4.04	5.76	6.56
NEW YORK CANAL (B. OF C.)	164,920	5.32	164,920	3.24	164,920	5.02	5.06	5.03	4.82	5.21	5.20	5.11
PARMA	602	12.72	602	11.85	602	8.46	10.85	9.80	11.25	10.98	9.94	13.33

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	1976	ACRES IRRIGATED	1977	ACRES IRRIGATED	1978	1979	1980	1981	1982	1983	1984
PENITENTIARY	321	8.99	321	5.70	321	5.91	9.51	6.36	7.69	6.42	6.30	5.28
PHYLLIS (PIONEER IRR. DIST)	23,974	5.60	23,974	4.08	23,974	4.97	4.93	5.13	4.94	5.51	5.34	5.46
PIONEER DIXIE	3000	9.46	3000	8.96	3000	8.35	9.56	9.37	9.96	9.95	8.59	7.99
RIDENBAUGH	26,877	5.96	26,877	4.53	26,877	6.25	5.93	5.73	6.38	6.19	6.19	6.15
RIVERSIDE	10,645	5.33	10,645	5.05	10,645	4.70	5.39	5.28	5.62	5.58	4.84	4.50
ROEDEL	160	.00	160	0	160	0	0		0	0	0	0
ROSSI MILL	500	5.69	512	4.68	512	6.10	6.27	5.93	6.25	5.14	6.99	6.13
SEBREE (FARMERS CO-OP)	15,500	5.70	15,500	4.14	15,500	5.56	5.75	5.47	5.43	5.44	5.07	5.31
SETTLERS	12,322	3.91	12,322	3.53	12,322	3.76	4.01	3.62	3.80	3.90	3.68	3.71
SEVEN SUCKERS	70	7.83	73	6.54	70	4.54	6.11	6.40	5.97	6.69	5.43	5.60
SIEBENBERG	646	5.76	646	5.44	646	4.03	4.29					
THURMAN MILL	1719	5.21	1719	5.65	1719	4.92	6.07	5.59	4.51	5.64	5.32	4.98
UPPER CENTER POINT	641	10.10	641	10.90	641	11.94	9.97	8.13	6.70	5.33	4.95	5.34
WARM SPRINGS DITCH	494	3.51	494	4.28	494	3.45	4.12	4.17	4.54	4.58	6.43	8.15
TOTALS	316,282	5.60	316,282	4.09	316,282	5.26	5.39	5.39	5.30	5.52	5.44	5.42

*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	ISLAND HIGH LINE	945 ACRES
ANDREWS	1068 "	LEMP DITCH	300 "
BALLENTYNE	763 "	LITTLE PIONEER	1336 "
BAXTER	200 "	LOWER CENTER POINT	880 "
BOISE CITY	1828 "	MACE & CATLIN	536 "
BOISE PROJECT BOARD OF CONTROL		MACE & MACE	80 "
BIG BEND IRRIG. DIST.	1724 "	MAMMON	468 "
BOISE-KUNA IRRIG. DIST.	48,629 "	MCCONNEL ISLAND	1600 "
NAMPA & MERIDIAN IRRIG. DIST.	40,304 "	MC MANUS & TEATER	168 "
NEW YORK IRRIG. DIST.	17,728 "	MIDDLETON MILL	4400 "
WILDER IRRIG. DIST.	56,535 "	MIDDLETON WATER	5180 "
TOTAL - BOARD OF CONTROL	164,920 "	MISCELLANEOUS	888 "
BOISE VALLEY	2729 "	NEW DRY CREEK	3059 "
BOONE	517 "	NEW UNION	688 "
BOWMAN-SWISHER	424 "	PARMA DITCH	602 "
BUBB (SOUTH BOISE MUTUAL)	1057 "	PENITENTIARY	321 "
*CALDWELL HIGH LINE	11,917 "	PIONEER IRRIG. DIST.	23,974 "
CAMPBELL (CANYON DITCH)	802 "	PIONEER DIXIE	3000 "
CANYON COUNTY	3957 "	RIDENBAUGH	26,877 "
CAPITAL VIEW	600 "	RIVERSIDE IRRIG. DIST.	10,645 "
CONWAY-HAMMING	259 "	ROEDEL	160 "
DAVIS & LITTLE DAVIS	634 "	ROSSI MILL	512 "
EUREKA WATER CO. #1	1300 "	SEBREE	15,500 "
EUREKA DITCH CO. #2	2625 "	SEVEN SUCKERS	70 "
FARMERS UNION	8372 "	SETTLERS	12,322 "
GRAHAM-GILBERT	200 "	SIEBENBERG	646 "
HAAS	367 "	THURMAN MILL	1719 "
HART-DAVIS	453 "	UPPER CENTER POINT	641 "
		WARM SPRINGS DITCH	454 "

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 ACCOMMODATE 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 RIVER STORAGE ACCOUNTS - 1984 - 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 1984 STORAGE USED	ANDERSON CARRYOVER	LUCKY PEAK CARRYOVER
BALLENTYNE		376	1300	1676	0	1676	194	1482	162	1320	0	1320	356	20	1300
BOISE CITY			1000	1000	0	1000	18	982	14	968	0	968	32		968
BOISE VALLEY		961	2500	3461	0	3461	176	3285	0	3285	0	3285	176	785	2500
BURD (50,001SE MUTUAL)		543	500	1043	0	1043	8	1035	0	1035	0	1035	8	535	500
CANYON COUNTY			6000	6000	0	6000	284	5716	0	5716	0	5716	284		5716
CAPITAL VIEW		460	300	760	0	760	48	712	14	698	0	698	62	398	300
DAVIS			1500	1500	0	1500	0	1500	0	1500	0	1500	0		1500
EAGLE ISLAND CANALS			7650	7650	0	7650	40	7610	0	7610	0	7610	40		7610
EUREKA # 1			2800	2800	0	2800	108	2692	0	2692	0	2692	108		2692
FARMERS UNION	2874	5727	10000	18601	0	18601	1260	17341	148	17193	0	17193	1408	5727	10000
LITTLE PIONEER		2174	500	2674	0	2674	264	2410	66	2344	0	2344	330	1844	500
MIDDLETON IRRIGATION			6380	6380	0	6380	164	6216	0	6216	0	6216	164		6216
MIDDLETON MILL			4620	4620	0	4620	118	4502	0	4502	0	4502	118		4502
NEW DRY CREEK		1296	3000	4296	0	4296	90	4206	0	4206	0	4206	90	1206	3000
NEW UNION			1400	1400	0	1400	0	1400	0	1400	0	1400	0		1400
NEW YORK *	254,518	359,662		614,180	57,526	556,654	152,490	404,164	121,076	283,088	78,314	204,774	409,406	204,774	
PHYLLISS ***	21,071	25,582	16,000	62,653	4,668	57,985	14,646	43,339	2,060	41,279	0	41,279	21,374	25,279	16,000
RIDENBAUGH	3,832	15,137	35,000	53,969	0	53,969	5,836	48,133	2,186	45,947	0	45,947	8,022	10,947	35,000
ROSSI MILL			700	700	0	700	16	684	0	684	0	684	16		684
SEBREE	1,227			1,227	0	1,227	0	1,227	0	1,227	0	1,227	0		
SETTLERS **	2,878	6,082	10,000	18,960	0	18,960	1,528	17,432	200	17,232	0	17,232	1,728	6,082	10,000
THURMAN MILL			800	800	0	800	0	800	0	800	0	800	0		800
LUCKY PEAK NURSERY	200		200	200	0	200	34	166	32	134	0	134	66		134
IDAHO DEPT. OF FISH AND GAME			50,000	50,000	0	50,000	0	50,000	0	50,000	0	50,000	0		50,000
ANDERSON DAM POWER		5,200		5,200	0	5,200	0	5,200	0	5,200	0	5,200	0	5,200	
LUCKY PEAK UNCONTRACTED			99,464	99,464	0	99,464	5,638	93,826	68,830	24,996	0	24,996	74,468		24,996
TOTALS	286,600	423,200	261,414	971,214	62,194	909,020	182,960	726,060	194,788	531,272	78,314	452,958	518,256	262,797	186,184

* LESS 1100 ACRE FEET OF ARROWROCK STORAGE TRANSFERRED TO SETTLERS, 53 ACRE FEET TRANSFERRED TO PHYLLISS TO IRRIGATE GOVERNMENT LANDS. INCREASED BY 22,800 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.

*** INCREASE PHYLLISS ARROWROCK STORAGE 53 ACRE FEET TO IRRIGATE GOVERNMENT LANDS.

STATE OF IDAHO FISH AND GAME STORAGE TO BE USED DURING THE WINTER MONTHS.

LUCKY PEAK UNCONTRACTED STORAGE TO BE RELEASED BY ORDER OF BUREAU OF RECLAMATION

3977 ACRE FEET OF ARROWROCK STORAGE WAS UNUSED DURING THE SEASON, NO CARRYOVER.

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-MUNA 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		
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
		100.00
TOTAL	418,000	
POWER	5,200	

359,934

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

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
 FOR IRRIGATION SEASON OF 1984

	AUGUST																															TOTALS	
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		
BOISE SEWER	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	945	
CONWAY GULCH	70	70	70	70	70	70	70	98	98	98	98	98	98	98	98	97	97	97	97	97	97	78	78	78	78	78	78	78	78	69	69	69	2608
DIXIE DRAIN	290	290	290	290	290	290	290	204	204	204	204	204	204	204	207	207	207	207	207	207	253	253	253	253	253	253	253	253	267	267	267	7479	
DRAINAGE DISTRICT #3	11	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	327	
EAGLE DRAIN	51	51	51	51	51	51	51	51	51	51	51	51	62	62	62	62	62	62	62	53	53	53	53	53	53	53	51	51	51	51	51	1672	
FIVE MILE CREEK	185	185	185	185	185	185	137	137	137	137	137	137	137	131	131	131	131	131	131	131	140	140	140	140	140	140	140	140	140	140	140	4590	
HARTLEY DRAIN	80	80	80	80	80	80	66	66	66	66	66	66	66	82	82	82	82	82	82	82	62	62	62	62	62	62	62	62	77	77	77	917	
HARTLEY GULCH	31	31	31	31	31	31	31	31	31	31	31	31	31	32	32	32	32	32	32	32	26	26	26	26	26	26	26	27	27	27	27	3782	
INDIAN CREEK	127	127	127	127	127	127	125	125	125	125	125	125	125	109	109	109	109	109	109	109	118	118	118	118	118	118	118	139	139	139	139	0	
LONG FEEDER	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	512	
MASON CREEK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	5280	
MASON DRAIN	169	169	169	169	169	169	155	155	155	155	155	155	155	162	162	162	162	162	162	173	173	173	173	173	173	173	173	209	209	209	209	1575	
NORTH MIDDLETON DRAIN	50	50	50	50	50	50	45	45	45	45	45	45	45	57	57	57	57	57	57	90	90	90	90	90	90	90	90	90	90	90	90	3061	
SOUTH MIDDLETON DRAIN	102	102	102	102	102	102	105	105	105	105	105	105	105	105	90	90	90	90	90	90	92	92	92	92	92	92	92	92	110	110	110	2014	
STAR FEEDER	66	66	66	66	66	66	62	62	62	62	62	62	62	70	70	70	70	70	70	70	66	66	66	66	66	66	66	66	58	58	58	754	
THURMAN DRAIN	28	28	28	28	28	28	26	26	26	26	26	26	26	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	23	23	23	766	
WATTS CHECK	26	26	26	26	26	26	24	24	24	24	24	24	24	24	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	932	
WILLOW CREEK	29	29	29	29	29	29	23	23	23	23	23	23	23	23	35	35	35	35	35	35	36	36	36	36	36	36	36	25	25	25	25		
TOTALS	1360	1360	1360	1360	1360	1358	1266	1208	1208	1208	1208	1208	1215	1237	1239	1239	1240	1240	1240	1231	1232	1259	1259	1259	1259	1259	1257	1332	1337	1337	1337	39,472	

SEPT.

BOISE SEWER	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	936
CONWAY GULCH	69	69	69	69	86	86	86	86	86	86	86	86	83	83	83	83	83	83	81	81	81	81	81	81	81	81	81	81	81	81	81	2396
DIXIE DRAIN	267	267	267	267	309	309	309	309	309	309	309	309	336	336	336	336	336	336	278	278	278	278	278	278	278	278	278	278	278	278	278	9284
DRAINAGE DISTRICT #3	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	323
EAGLE DRAIN	51	51	51	51	51	51	51	51	51	51	51	48	48	48	48	48	48	47	47	47	47	47	47	47	47	47	47	47	47	47	47	1488
FIVE MILE CREEK	156	156	156	156	195	195	195	195	195	195	195	184	184	184	184	184	184	156	156	156	156	156	156	156	156	156	156	203	203	203	203	5431
HARTLEY DRAIN	77	77	77	77	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	2371
HARTLEY GULCH	27	27	27	27	29	29	29	29	29	29	29	29	29	29	30	30	30	30	25	25	25	25	25	25	25	25	25	25	25	25	25	867
INDIAN CREEK	139	139	139	139	195	195	195	195	195	195	195	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	179	231	231	231	231	5674
LONG FEEDER	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
MASON CREEK	18	18	18	18	12	12	12	12	12	12	12	12	17	17	17	17	17	17	12	12	12	12	12	12	12	12	12	12	15	15	15	431
MASON DRAIN	209	209	209	204	204	204	204	204	204	204	204	189	189	189	189	189	189	192	192	192	192	192	192	192	192	192	192	196	196	196	196	5898
NORTH MIDDLETON DRAIN	44	44	44	66	66	66	66	66	66	66	66	66	76	76	76	76	76	76	78	78	78	78	78	78	78	78	78	73	73	73	73	2110
SOUTH MIDDLETON DRAIN	110	110	110	111	111	111	111	111	111	111	111	111	114	114	114	114	114	109	109	109	109	109	109	109	109	109	109	109	109	109	109	3382
STAR FEEDER	58	58	58	57	57	57	57	57	57	57	57	57	71	71	71	71	71	71	63	63	63	63	63	63	63	63	63	60	60	60	60	1871
THURMAN DRAIN	22	22	22	22	22	22	22	22	22	22	22	22	27	27	27	27	27	27	28	28	28	28	28	28	28	28	28	30	30	30	30	793
WATTS CHECK	23	23	23	22	22	22	22	22	22	22	22	22	20	20	20	20	20	20	19	19	19	19	19	19	19	19	19	21	21	21	21	622
WILLOW CREEK	25	25	25	44	44	44	44	44	44	44	44	44	49	49	49	49	49	49	38	38	38	38	38	38	38	38	34	34	34	34	34	1196
TOTALS	1337	1337	1337	1482	1541	1541	1541	1541	1541	1541	1542	1516	1540	1540	1540	1540	1540	1478	1418	1418	1418	1418	1418	1418	1427	1532	1598	1598	1598	1598	1598	45,013

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SEC. 40 FEET
FOR IRRIGATION SEASON OF 1984

NAME OF TRIBUTARY	OCTOBER																															TOTALS
	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	
BOISE SENIOR	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	465
CONWAY GULCH	74	74	71	71	71	71	71	71	71	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	69	4649
DIXIE DRAIN	351	351	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	389	619
DRAINAGE DISTRICT #3	12	12	12	12	12	12	12	12	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	2191
EAGLE DRAIN	43	43	43	43	43	43	43	43	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	39	1066
FIVE MILE CREEK	203	147	147	147	147	147	147	147	147	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	137	397
HARTLEY DRAIN	72	72	72	72	72	72	72	72	72	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	3479
HARTLEY GULCH	33	28	28	28	28	28	28	28	28	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	0
INDIAN CREEK	231	248	248	248	248	248	248	248	248	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	216	0
LONG FEEDER	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	197
MASON CREEK	15	14	14	14	14	14	14	14	14	14	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	2485
NORTH MIDDLETON DRAIN	196	169	169	169	169	169	169	169	169	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	158	948
SOUTH MIDDLETON DRAIN	109	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	97	1565
STAR FEEDER	60	57	57	57	57	57	57	57	57	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	51	816
THORMAN DRAIN	30	30	30	30	30	30	30	30	30	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	315
WATTS CREEK	21	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	461
WILLOW CREEK	34	28	28	28	28	28	28	28	28	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	31
TOTALS	1988	1494	1469	1469	1469	1469	1469	1469	1455	1398	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	1331	21,256

BOISE SENIOR
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
THORMAN DRAIN
WATTS CREEK
WILLOW CREEK
TOTALS

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY DRAIN DISCHARGES INTO THE BOISE RIVER
DURING THE IRRIGATION SEASON OF 1984

CHART # 13

NAME OF DRAIN	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTALS
BOISE SEWER	1800	1934	1826	1890	1890	1872	930	12,142
CONWAY GULCH	2094	3480	4142	4244	5216	4792	2118	26,086
DIXIE DRAIN (SLOUGH)	6822	17468	14978	15826	14958	18568	9298	97,918
FIVE MILE CREEK	4288	8542	11802	8810	9180	10862	4382	57,866
INDIAN CREEK	10086	13956	10972	7190	7564	11348	6958	68,074
MASON CREEK	492	1066	1460	1060	1024	862	394	6,358
MASON DRAIN	3876	7418	10318	10546	10560	11796	4970	59,484
TOTALS	29,458	53,864	55,498	49,566	50,392	60,100	29,050	327,928

DRAINAGE DISTRICT # 2 (ENTERS INTO THE BOISE RIVER)

EAGLE DRAIN	866	2442	3132	3454	3344	2976	1226	17,440
HARTLEY DRAIN	1308	2586	4122	4946	4516	4742	2132	24,352
HARTLEY GULCH	590	1444	2014	2036	1834	1734	794	10,446
NORTH MIDDLETON DRAIN	1712	3712	3250	2490	3150	4220	1896	20,430
SOUTH MIDDLETON DRAIN	3216	7208	7826	8088	6122	6644	3130	42,234
WILLOW CREEK	4156	4446	3720	2126	1864	2392	922	19,626
TOTALS	11,848	21,838	24,064	23,140	20,830	22,708	10,100	134,528

DIVERTED INTO CANALS

LONG FEEDER	0	0	0	0	0	0	0	0
STAR FEEDER	0	3862	4146	4080	4028	3742	1632	21,490
WATTS CHECK	0	1054	816	1416	1532	1244	630	6,692
TOTALS	0	4,916	4,962	5,496	5,560	4,986	2,262	28,182
TOTAL DRAINAGE DISTRICT # 2	11,848	26,754	29,026	28,636	26,390	27,694	12,362	162,710

DRAINAGE DISTRICT # 3

RIDENBAUGH, BOOTH & MYERS DRAIN	168	444	508	564	654	646	328	3,312
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DRAINAGE DISTRICT # 4

THURMAN DRAIN	620	1282	1412	1586	1508	1586	772	8,766
TOTAL DRAINS	42,094	82,344	86,444	80,352	78,944	90,026	42,512	502,716

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM
 CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN
 BY MONTHS IN ACRE FEET - 1 APRIL, 1984 THRU 15 OCTOBER 1984

	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCT.	TOTALS
BOISE RIVER AT DIVERSION DAM	311,608	606,064	423,266	331,750	269,896	266,328	138,091	2,347,003
TRIBUTARY GAIN	42,094	82,344	86,444	80,352	78,944	90,026	42,512	502,716
TOTAL AVAILABLE	353,702	688,408	509,710	412,102	348,840	356,354	180,603	2,849,719
DELIVERIES TO CANALS	110,270	282,040	299,882	347,272	338,318	250,108	86,658	1,714,548
NET TRIBUTARY GAIN UNUSED	243,432	406,368	209,828	64,830	10,522	106,246	93,945	1,135,171
SEEPAGE GAIN	0	0	0	0	0	0	0	0

TABLE SHOWING TOTAL DISCHARGE OF ALL DRAINS

IN DRAINAGE DISTRICT # 3 FOR 4,200 ACRES
1984

	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTALS
AVERAGE DAILY FLOW IN SECOND FEET	2.80	7.16	8.47	9.10	10.55	10.77	10.93	8.36
TOTAL MONTHLY FLOW IN ACRE FEET	168	444	508	564	654	646	328	3312
ACRE FEET PER ACRE	.04	.11	.12	.13	.16	.15	.08	.79

TABLE SHOWING TOTAL DISCHARGE OF ALL DRAINS

IN DRAINAGE DISTRICT # 4 FOR 2,500 ACRES
1984

	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	TOTALS
AVERAGE DAILY FLOW IN SECOND FEET	10.33	20.68	23.53	25.58	24.32	26.43	25.73	22.14
TOTAL MONTHLY FLOW IN ACRE FEET	620	1282	1412	1586	1508	1586	772	8766
ACRE FEET PER ACRE	.25	.51	.56	.63	.60	.63	.31	3.51

SUMMARY TABLE IN SECOND FEET
 SHOWING AVERAGE DAILY RETURN FLOW TO THE BOISE RIVER
 FOR THE LAST 15 YEARS

MONTH	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984
APRIL	457	775	645	626	596	395	717	468	634	536	580	698	589	729	702
MAY	1063	1112	1192	949	1063	962	1067	945	906	967	1217	1150	1159	1243	1328
JUNE	1205	1369	1365	1113	1196	1238	1392	853	1165	1138	1253	1318	1313	1422	1441
JULY	1107	1259	1282	1097	1233	1264	1327	858	1278	1222	1223	1196	1326	1363	1296
AUGUST	1197	1294	1298	1102	1284	1387	1531	817	1279	1237	1306	1203	1372	1423	1273
SEPT.	1345	1472	1462	1204	1389	1326	1519	955	1286	1144	1455	1296	1517	1406	1500
OCTOBER	1136	1384	1364	1201	1282	1489	1117	875	1242	1072	1061	1382	1439	1391	1417
AVERAGE	1073	1238	1230	1042	1149	1152	1239	824	1113	1044	1156	1178	1245	1282	1280

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.

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.

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	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		DEPT. OF WATER ADMINISTRATION
				SEC. FT.	INCHES	
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.	CANYON COUNTY WATER CO.	1.76	88	63-0277
TILLER						
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 DECEDED RIGHTS ON MISSISSIPPI RIVER

NO. OF CHANGE OF POINT OF DIVERSION	POINT OF DIVERSION		DEPT. OF WATER ADMINISTRATION	PRIORITY NO.	DATE OF CHANGE	QUANTITY IN CFS.	QUANTITY IN THE CFS.	BY WHOM TRANSFERRED	REMARKS
	FROM	TO							
12	STERNBERG	CANYON DITCH	63-0138	9	6-1-1865		25	HEAVY PECK	
29	CALDWELL HIGH LINE	CANYON COUNTY	63-0179	46	6-1-1869	1.50	50	J. C. ROGUES	
32	DAVIS	DAVIS DITCH	63-0122	119	6-1-1891	1.00	27	DAVIS ESTATE	
35	PIONEER DIXIE	RIVERSIDE	63-0136	1	9-1-1864	.54	36	HEBECCA HELL	
			63-0137	1	6-1-1869	.72	64		
36	CANYON COUNTY	MIDDLETON WATER	63-0168	35	6-1-1867	1.28	19	THURP, ROGUE, WATTS, SURGEON	FLAKE DITCH
36A	AMERICAN DITCH	PIONEER DIXIE	63-0233	36	10-1-1887	.38	100	C. H. ROSENBERG	
38	HART & DAVIS	SEVEN SUCKERS	63-0186	1	6-1-1872	2.00	152	SHAFER, BLAIR, JENNINGS, FARRIST	
			63-0187	1	6-1-1872	1.04			
39	HART & DAVIS	SEVEN SUCKERS	63-0186	1	6-1-1872			GENIE DAMP	
			63-0187	1	6-1-1872				
47	AMERICAN DITCH	EUREKA No. 2	63-0233	96	10-1-1887	29.50	1475	AMERICAN DITCH ASSN.	
48	AMERICAN DITCH	PIONEER DIXIE	63-0233	96	10-1-1887	4.10	210	HART & WILLIAM NICHOLS, C.W. COOPER	
50	LOWER CENTER POINT	BOHMAN & SWISHER	63-0151	19	6-1-1865	2.08	144	JOHN SWISHER	
51	LOWER CENTER POINT	BOHMAN & SWISHER	63-0152	20	6-1-1865	6.40	320	BIRD BOHMAN	
54	CANYON COUNTY	MIDDLETON HILL	63-0168	35	6-1-1867	1.11	55.5	H. G. FOLEY	FOOTE & WISEMAN
57	MIDDLETON WATER	BALENTINE	63-0198	65	6-1-1877	.50	30	EDWARD MCCLINTOCK	
59	REHNEY & LAWRENCE	CANYON COUNTY	63-0165	31	6-1-1866	2.60	130	DANIEL W. REHNEY	
61	PIONEER DIXIE	MIDDLETON WATER	63-0233	218	6-1-1866	.50	30	MINNIE COZZENS	
62	PIONEER DIXIE	EUREKA No. 2	63-0233	96	10-1-1887	1.00	50	J. A. CARBONNET	
64	BALENTINE	NEW DRY CREEK	63-0238	102	6-1-1888	.20	10	HART GRAY	
71	UPPER CENTER POINT	EUREKA No. 2	63-0156	24	6-1-1865	.80	40	J. D. BOLAND	
75	MIDDLETON HILL	CANYON COUNTY	63-0168	35	6-1-1867	.50	25	DE FOREST, NORTHWESTERN & PACIFIC INVESTMENT CO.	
76	BOHMAN DRAIN	SETTLERS	63-0233	850	4-1-1883	1.00	50	JACOB BLANCH	
77	BIRD	BAULER	63-0278	1	4-1-1865	.40	40	ADOLPH BAULER	
			63-0279	1	4-1-1870	.40	40		
83	MAIN SPRINGS DITCH	SETTLERS	63-0287	858	4-1-1882	.72	36	LEO BAUSTERS	
84	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877	.80	40	J. C. BAILEY	
85	UPPER CENTER POINT	EUREKA No. 2	63-0156	24	6-1-1865	.50	25	J. C. BAILEY	
103	PADMA DITCH	PADMA DITCH	63-0203	1	6-1-1878	11.56	598	CHARLES JONES	NEW DIVERSION POINT
			63-0204	1	6-1-1880				
			63-0272	1	6-1-1880				
			63-0274	1	6-1-1880				
			63-0275	1	6-1-1880				
			63-0277	1	6-1-1880				
			63-0284	1	6-1-1884				
126	LAWRENCE & REHNEY	MIDDLETON WATER	63-0234	31A	6-1-1866	2.30	115	WILLIAM BAULER	
127	BOHMAN & SWISHER	DAVIS DITCH	63-0152	20	6-1-1865	.40	40	WILLIAM BAULER	
131	EUREKA No. 2	LOWER CENTER POINT	63-0233	83	11-2-1883	.70	33	R. E. MCDOUG	
140	BALENTINE	NEW DRY CREEK	63-0233	83	11-2-1883	.70	33	CHARLES H. SCHMIDT	
141	FISCHER POWER	FISCHER POWER	63-0260	850	5-1-1883	.66	3	FISCHER POWER ONLY	
142	MIDDLETON HILL	CANYON COUNTY	63-0203	1	12-6-1908	200.00	10000	CORA M. CLIFTON	BELOW FAIRVIEW BRIDGE
148	PIONEER DIXIE	UPPER CENTER POINT	63-0168	35	6-1-1867	.20	10	DORA GREEN	
151	NEW DRY CREEK	BALENTINE	63-0238	96	10-1-1887	3.00	150	J. H. CONE	
152	BAULER DITCH	BALENTINE	63-0238	124A	5-1-1887	1.35	6.25	ADOLPH BAULER	
153	REYNOLDS-BAULER	RICHMOND	63-0249	47A	4-1-1870	.40	40	ADOLPH BAULER	
154	BAULER DITCH	RICHMOND	63-0249	127	5-1-1893	1.00	50	ADOLPH BAULER	
157	UPPER CENTER POINT	EUREKA No. 2	63-0238	8A	4-1-1865	.80	40	ADOLPH BAULER	
161	EUREKA No. 2	NEW DRY CREEK	63-0156	24	6-1-1865	.10	5	RAYMOND T. BISHOP	
166	BALENTINE	PIONEER DIXIE	63-0233	103	6-1-1888	.65	32.5	STIMAN T. BISHOP	
171	EUREKA No. 2	EUREKA No. 2	63-0233	1	11-2-1883	.40	30	D. W. BALDWIN	
			63-0233	1	10-1-1887	21.70	1085	RAYMOND T. BISHOP	
			63-0233	1	10-1-1887	21.70	1435		NEW DIVERSION POINT
			63-0156	1	6-1-1865	1.30	65		

NO. OF TRANSFER	NAME OF TRANSFER	NO.	DATE OF TRANSFER	QUANTITY IN CFS.	QUANTITY IN INCHES	BY WHOM TRANSFERRED	REMARKS
29	AMERICAN DITCH ASSN.	96	10-1-1887	12.10	605	WM. M. MILLER	
46	BARNER LUMBER CO.	50	2-1-1890	2.24	112	BARNER LUMBER CO.	
105	SARWING	9	6-1-1885	.50	25	M. E. PECK	
111	BARBER NO. 2	100	10-1-1887	1.20	60	H. L. RANDALL ET AL	
	PIONEER DITCH	145	9-1-1884	20.34	1017		
126	JACOBS	2	6-1-1884	20.00	1000	BOISE FRUIT TRACT CO.	
219	PIONEER IRRIGATION DIST. - PIONEER IRRIGATION DIST.	1	7-15-1918	8.54	432	PIONEER IRRIGATION DISTRICT	LICENSED RIGHT INDIAN CREEK
300	MIDDLETON HILL	1	4-20-1921	.35	17.5	EMMA M. FOWLER	
301	MIDDLETON HILL	1	4-20-1921	1.54	77	JOHN F. GROOM	
347	MIDDLETON HILL	3	2-6-1925	.14	7	C. E. WHITE	
348	MIDDLETON HILL	3	2-6-1925	.14	7	FRANK BRASEL	
350	MIDDLETON HILL	3	2-6-1925	.14	7	CARL A. GISH	
351	MIDDLETON HILL	65	5-5-1925	.20	10	IRVING B. WHITAKER	
370	BOISE CITY	33	3-16-1926	1.25	56.2	HENRY W. BARTLETT	
371	MIDDLETON HILL	33	4-26-1926	.375	18.7	L. A. RICE	
372	MIDDLETON HILL	33	5-6-1926	.40	20	H. D. PARKS	
373	MIDDLETON HILL	65	6-1-1927	.20	10	A. G. WYOM	
384	MIDDLETON HILL	65	6-1-1927	.40	20	MARY F. LEACH	
385	MIDDLETON HILL	65	7-8-1926	.266	13.3	H. E. MCCONNELL	
386	MIDDLETON HILL	65	7-8-1926	.40	20	H. W. BARTLETT	
387	MIDDLETON HILL	65	7-8-1926	.40	20	E. E. SMITH	
391	MIDDLETON HILL	1	8-15-1926	.15	7.5	RUSK CHASE	
392	MIDDLETON HILL	1	8-21-1926	.40	20	FRED EGGER	
393	MIDDLETON HILL	1	9-15-1926	.266	14.4	A. C. BOWMAN	
395	MIDDLETON HILL	65	11-16-1926	.50	25	G. R. MCQUIRE	
412	MIDDLETON HILL	81	12-3-1927	.40	20	CHAS. F. PACE	
430	FARMERS UNION	65	7-2-1928	.25	12.5	D. E. ALLISON	
466	RICHMOND	106	7-5-1929	8.90	445	W. H. MILLER	FORMERLY MIDDLETON WATER
512	JACOBS CANAL	1	5-27-1932	1.00	50	M. SCOTT AMERSON	
513	JACOBS CANAL	1	5-27-1932	.50	25	FARMERS UNION DITCH	
530	JACOBS CANAL	1	5-15-1934	.20	10	A. B. WHITNEY	
595	JACOBS CANAL	1	9-9-1938	.20	10	BOISE TRUST CO.	
608	RIVERSIDE	88	4-29-1940	1.00	50	M. T. TRACY	
644	RIVERSIDE	88	12-9-1942	.70	35	S. E. SMITH	
654	RIVERSIDE	30	5-1-1946	2.00	100	M. W. HOWELL	
660	RIVERSIDE	88	4-11-1944	.60	30	D. M. BALDWIN	
701	CONSUMERS	30	4-29-1946	.60	30	M. W. HOWELL	
702	CONSUMERS	30	12-20-1946	2.00	100	M. W. HOWELL	
712	CONSUMERS	30	12-20-1946	.60	30	M. W. HOWELL	
713	CONSUMERS	30	6-14-1947	.90	45	M. W. HOWELL	
717	CONSUMERS	30	5-1-1946	.34	17	M. W. HOWELL	
720	CONSUMERS	9	11-25-1947	.64	32	M. W. HOWELL	
		30	5-1-1946	1.34	67	M. W. HOWELL	

NO. OF SUBJECTS	POINT OF ORIGIN	DATE OF ADMISSION	NO.	DATE	QUANTITY IN CTS.	QUANTITY IN LBS.	NO. OF SUBJECTS
776	Stamens Hill	6-1-1968	37	6-1-1968	1.20	30	Stamens Hill
777	Consumers	6-1-1968	38	6-1-1968	8.50	55	Consumers
779	Consumers	6-1-1968	39	6-1-1968	.15	1.5	Consumers
781	Consumers	6-1-1968	40	6-1-1968	.40	20	Consumers
783	Consumers	6-1-1968	41	6-1-1968	.40	20	Consumers
785	Consumers	6-1-1968	42	6-1-1968	.40	20	Consumers
787	Consumers	6-1-1968	43	6-1-1968	.40	20	Consumers
789	Consumers	6-1-1968	44	6-1-1968	.40	20	Consumers
791	Consumers	6-1-1968	45	6-1-1968	.40	20	Consumers
793	Consumers	6-1-1968	46	6-1-1968	.40	20	Consumers
795	Consumers	6-1-1968	47	6-1-1968	.40	20	Consumers
797	Consumers	6-1-1968	48	6-1-1968	.40	20	Consumers
799	Consumers	6-1-1968	49	6-1-1968	.40	20	Consumers
801	Consumers	6-1-1968	50	6-1-1968	.40	20	Consumers
803	Consumers	6-1-1968	51	6-1-1968	.40	20	Consumers
805	Consumers	6-1-1968	52	6-1-1968	.40	20	Consumers
807	Consumers	6-1-1968	53	6-1-1968	.40	20	Consumers
809	Consumers	6-1-1968	54	6-1-1968	.40	20	Consumers
811	Consumers	6-1-1968	55	6-1-1968	.40	20	Consumers
813	Consumers	6-1-1968	56	6-1-1968	.40	20	Consumers
815	Consumers	6-1-1968	57	6-1-1968	.40	20	Consumers
817	Consumers	6-1-1968	58	6-1-1968	.40	20	Consumers
819	Consumers	6-1-1968	59	6-1-1968	.40	20	Consumers
821	Consumers	6-1-1968	60	6-1-1968	.40	20	Consumers
823	Consumers	6-1-1968	61	6-1-1968	.40	20	Consumers
825	Consumers	6-1-1968	62	6-1-1968	.40	20	Consumers
827	Consumers	6-1-1968	63	6-1-1968	.40	20	Consumers
829	Consumers	6-1-1968	64	6-1-1968	.40	20	Consumers
831	Consumers	6-1-1968	65	6-1-1968	.40	20	Consumers
833	Consumers	6-1-1968	66	6-1-1968	.40	20	Consumers
835	Consumers	6-1-1968	67	6-1-1968	.40	20	Consumers
837	Consumers	6-1-1968	68	6-1-1968	.40	20	Consumers
839	Consumers	6-1-1968	69	6-1-1968	.40	20	Consumers
841	Consumers	6-1-1968	70	6-1-1968	.40	20	Consumers
843	Consumers	6-1-1968	71	6-1-1968	.40	20	Consumers
845	Consumers	6-1-1968	72	6-1-1968	.40	20	Consumers
847	Consumers	6-1-1968	73	6-1-1968	.40	20	Consumers
849	Consumers	6-1-1968	74	6-1-1968	.40	20	Consumers
851	Consumers	6-1-1968	75	6-1-1968	.40	20	Consumers
853	Consumers	6-1-1968	76	6-1-1968	.40	20	Consumers
855	Consumers	6-1-1968	77	6-1-1968	.40	20	Consumers
857	Consumers	6-1-1968	78	6-1-1968	.40	20	Consumers
859	Consumers	6-1-1968	79	6-1-1968	.40	20	Consumers
861	Consumers	6-1-1968	80	6-1-1968	.40	20	Consumers
863	Consumers	6-1-1968	81	6-1-1968	.40	20	Consumers
865	Consumers	6-1-1968	82	6-1-1968	.40	20	Consumers
867	Consumers	6-1-1968	83	6-1-1968	.40	20	Consumers
869	Consumers	6-1-1968	84	6-1-1968	.40	20	Consumers
871	Consumers	6-1-1968	85	6-1-1968	.40	20	Consumers
873	Consumers	6-1-1968	86	6-1-1968	.40	20	Consumers
875	Consumers	6-1-1968	87	6-1-1968	.40	20	Consumers
877	Consumers	6-1-1968	88	6-1-1968	.40	20	Consumers
879	Consumers	6-1-1968	89	6-1-1968	.40	20	Consumers
881							

STEWART DECREE

CHART NO. 24

BOISE RIVER

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

STEWART DECREE

CHART NO. 24

BOISE RIVER

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

STEWART DECREE

CHART NO. 24

BOISE RIVER

NUMBER	DATE	NAME	AMOUNT DECREED		DEPT. OF WATER ADMINISTRATION
			SEC. FT.	INCHES	
91	6-1-1884	RIVERSIDE IRRIGATION DISTRICT			
92	10-17-1884	SETTLERS CANAL CO.	20.00	1000	63-0226
93	6-1-1886	NEW DRY CREEK DITCH	99.06	4953	63-0230
94	6-1-1886	THOMAS DAVIS	15.22	761	63-0206
95	1-23-1887	WM. C., L. & E. YOUNG	13.40	670	63-0121
96	10-1-1887	AMERICAN DITCH ASSOCIATION	4.00	200	63-0232
97	6-1-1888	NEW DRY CREEK DITCH CO.	47.80	2390	63-0233
98	6-1-1888	A. V. LINDER	7.86	393	63-0207
99	6-1-1888	LEVI SMITH	4.00	200	63-0234
100	6-1-1888	CHARLOTTE CALHOUN	1.30	65	63-0235
101	6-1-1888	ED. J. LINDER	1.40	70	63-0236
102	6-1-1888	LIZZIE EVERETT	1.46	73	63-0237
103	6-1-1888	JESSE WILSON	1.20	60	63-0238
104	6-1-1888	THOMAS ANDREWS	1.40	70	63-0239
105	7-1-1888	FARMERS COOPERATIVE DITCH CO.	.90	45	63-0130
106	8-20-1888	NAMPA MERIDIAN IRRIGATION DISTRICT	50.00	2500	63-0190
107	5-1-1889	CHARLES H. MILLER	370.84	18542	63-0200
108	5-1-1889	LOOMIS L. HOSLEY	.06	3	63-0240
109	5-1-1889	S. J. UTTER & C. B. TAYLOR	.02	1	63-0241
110	5-1-1889	SOUTH BOISE MUTUAL IRRIGATION CO.	2.40	120	63-0242
111	5-1-1889	ESTATE OF J. H. GALLAGHER	6.00	300	63-0243
112	5-1-1889	ANNIE H. FOGARTY	2.94	147	63-0244
113	5-1-1889	GRACE CALL	.05	2.5	63-0245
114	5-1-1889	SAMUEL H. CANFIELD	.10	5	63-0246
115	6-1-1889	SONORA JOPLIN	.03	1.5	63-0247
116	6-1-1889	SONORA JOPLIN	.06	3	63-0215
117	9-1-1890	PIONEER IRRIGATION DISTRICT	1.20	60	63-0216
118	6-1-1891	W. H. CONWAY	200.00	10000	63-0224
119	6-1-1891	THOMAS DAVIS	2.20	110	63-0197
120	6-1-1891	MIDDLETON MILL DITCH CO.	.54	27	63-0122
121	6-1-1891	THOMAS ANDREWS	17.00	850	63-0126
122	6-1-1891	SETTLERS CANAL CO.	3.50	175	63-0131
123	6-1-1891	THOMAS AIKEN	73.44	3672	63-0231
124	5-1-1893	RIVERSIDE IRRIGATION DISTRICT	.80	40	63-0195
125	6-1-1894	R. H. STOCKTON	80.00	4000	63-0227
126	7-2-1894	FARMERS UNION DITCH CO.	1.76	88	63-0204
127	5-1-1895	CHARLES REIN & JANE KEOH	110.00	5500	63-0248
128	7-1-1895	MATHEW CASEY	1.00	50	63-0249
129	7-1-1896	FARMERS COOPERATIVE DITCH CO.	.66	33	63-0250
130	10-1-1899	RIVERSIDE IRRIGATION DISTRICT	83.50	4175	63-0191
131	3-23-1900	NEW YORK CANAL CO.	20.00	1000	63-0228
132	5-17-1900	CANYON DITCH CO.	219.10	10955	63-0251
133	6-1-1901	RIVERSIDE IRRIGATION DISTRICT	10.00	500	63-0369
134	10-25-1901	CANYON DITCH CO.	70.00	3500	63-0229
135	4-1-1904	PIONEER IRRIGATION DISTRICT	5.54	277	63-0252
			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	NO.	PRIORITY DATE	AMOUNT DECREED				TOTAL SEC. FT.
					STEWART DECREE	STEWART DECREE	BRYAN DECREE	INCHES	
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		.60		40	
			85-D	5-1-1883		.8256		41.23	
			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.	DATE	STEWART DECREE	AMOUNT DECREED			TOTAL SEC. FT.
						INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
BOISE VALLEY LICENSED RIGHT #15242		243	15	6-1-1865 7-19-1921	54.58			2729	
						(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	
			96	10-1-1887	.70				9.38
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		AMOUNT DECREED			TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	
CALDWELL HIGH LINE			34	6-1-1866	15.40			
			46	6-1-1869	37.20			770
			77	10-29-1880	27.60			1860
	29*		46	6-1-1869	1.00*			1380
								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
			46	6-1-1869	1.00			50
	29		35	6-1-1867	.38*			19*
	36*		35	6-1-1867	1.11*			55.5*
	54*		31	6-1-1866	2.60			130
	59		35	6-1-1867	.50			25
	75		35	6-1-1867	.20			10
	147							80.37
			48	6-1-1870	2.60			130
CONWAY & HAMMING			64	6-1-1877	.90			45
			118	6-1-1891	2.20			110 5.70
DAVIS (LITTLE DAVIS)			94	6-1-1886	13.40			670
			119	6-1-1891	.54			27 13.94
EUREKA NO. 1								1666 33.32
			13	6-1-1865	33.32			

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	NO.	PRIORITY DATE	AMOUNT DECREED				TOTAL SEC. FT.
					INTERVENORS			INCHES	
					STEWART DECREE	STEWART DECREE	BRYAN DECREE		
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	
								1000	
		136	2	6-1-1864	20.00			56.2	
		370	33	6-1-1866	1.124			18.7	
		373	33	6-1-1866	.374			20	
		374	65	6-1-1877	.40			10	
		375	65	6-1-1877	.20			20	
		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	31	6-1-1864				7.5	
			54)	6-1-1871	.15				
		393	31	6-1-1864				14.4	
			54)	6-1-1871	.288				
			120)	6-1-1891				25	
		395	65	6-1-1877	.50			12.5*	
		430*	65	6-1-1877	.25*			40	
			65	6-1-1877	.80			50	
	84			6-1-1864	1.00			25	
		512	1	6-1-1864	.50			15	
		513	1	6-1-1864	.30				
		530	1	6-1-1864			54.46	2723	
				7-2-1894				4.375	
		1048	33	6-1-1866	.0875			5	
		1059	33	6-1-1866	.10			90	
		1855	32	6-1-1866	1.80				193.2995
GRAHAM & GILBERT								220	4.40
			12	6-1-1865	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.	DATE	AMOUNT DECREED				TOTAL SEC. FT.
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
HAAS DITCH	176		39	6-1-1868	8.54			427	17.34
			70	6-1-1878	8.80			440	
HART & DAVIS	38*) 39*)		6	6-1-1864	3.30			165	9.96
			57	6-1-1872	4.40			220	
			58	6-1-1872	3.30			165	
			57	6-1-1872	.54*			27*	
			58	6-1-1872	.50*			25*	
ISLAND HIGH LINE			71-A	4-1-1879		3.00		150	20.00
			137-A	4-1-1910		7.00		350	
			139	4-1-1915		10.00		500	
LEMP DITCH			B-C	1865		6.00		300	6.00
LITTLE PIONEER	1575		49	6-1-1870	25.72			1286	26.82
			31-C	6-1-1866		1.10		55	
LOWER CENTER POINT	50* 51* 131 245 287		19	6-1-1865	2.89			144	19.60
			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*	
			20	6-1-1865	6.40*			320*	
			89	11-9-1883	.70			35	
			89	11-9-1883	.60			30	
			89	11-9-1883	1.40			70	

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 83

NAME OF CANAL	CHANGE P. OF D.	TRANSFER	PRIORITY		AMOUNT DECREED			TOTAL SEC. FT.
			NO.	DATE	INTERVENORS STEWART DECREE	STEWART DECREE	BRYAN DECREE	
MACE CATLIN			5	6-1-1864	2.86			
			52	6-1-1871	7.86			
	179*		51	6-1-1864	.168*			
			521	6-1-1871	.072*			
			138	6-14-1912		.44		
MACE & MACE			137	5-1-1909		1.76		
MAMON			41	6-1-1869	1.80			
			68	6-1-1878	4.20			
			69	5-1-1878	3.36			
			70	5-1-1878	8.80			
	176*		70	6-1-1878	8.80*			
MIDDLETON HILL			3	6-1-1864	12.90			
			40	6-1-1868	1.40			
			54	6-1-1871	35.70			
			120	6-1-1891	17.00			
	54		35	6-1-1867	1.11			
	75*		35	6-1-1867	.50*			
	147*		35	6-1-1867	.20*			
		300*	31	6-1-1864				
			541	6-1-1871	.35*			
			1201	6-1-1891				
		301*	31	6-1-1864				
			541	6-1-1871	1.54*			
			1201	6-1-1891				
	347*		3	6-1-1864	.14*			
	349*		3	6-1-1864	.14*			
	350*		3	6-1-1864	.14*			
	391*		31	6-1-1864				
			541	6-1-1871	.15*			
	393*		31	6-1-1864				
			541	6-1-1871	.288*			
			1201	6-1-1891				
	754		30	5-1-1866	.40			
			123-A	5-15-1893		1.60		

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		AMOUNT DECREED			TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	
MIDDLETON IRRIGATION								
	36		65	6-1-1877	114.08			5704
	57*		35	6-1-1867	.38			19
	61		65	6-1-1877	.60*			30*
	34*		31-B	6-1-1866		.60		30
	126		65	6-1-1877	.80*			40*
			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		.10
CRAWFORTH PUMP	227		114-A	5-1-1889		1.60		1.60
BOISE RIVER			80	6-1-1882	1.60			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

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	AMOUNT DECREED			TOTAL SEC. FT.
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	
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

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	NO.	PRIORITY DATE	AMOUNT DECREED				TOTAL SEC. FT.
					STEWART DECREE	STEWART DECREE	BRYAN DECREE	INCHES	
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

CHART NO. 25

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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		AMOUNT DECREED				TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	STEWART DECREE	BRYAN DECREE	INCHES	
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		AMOUNT DECREED					TOTAL SEC. FT.	
			NO.	DATE	STEWART DECREE	INTERVENORS		INCHES			
						STEWART DECREE	BRYAN DECREE				
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		
			24	6-1-1865	.80*				40*		
		71*	24	6-1-1865	.50*				25*		
		85*	24	6-1-1865	.50*				150		
		148	96	10-1-1887	3.00				5*		
		159*	24	6-1-1865	.10*				25	14.82	
		289	89	11-9-1883	.50						

*SUBTRACT

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREE
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	75.89	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	.60	.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
20	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 DECREE
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	1698.5
30	*PHYLISS	1	21.72	21.72	21.72	163.66	1359.5	1698.5
30	*SETTLERS	1	9.25	9.25	9.25	172.91	1359.5	1698.5
31	CANYON COUNTY	1	2.60	1.95	1.56	174.47	1359.5	1698.5
31A	MIDDLETON IRRIGATION	1	2.30	1.73	1.38	175.05	1360.2	1698.5
31B	MIDDLETON IRRIGATION	1	.60	.45	.36	176.21	1360.3	1698.5
31C	LITTLE PIONEER	1	1.10	.83	.66	176.87	1360.5	1698.5
32	MISCELLANEOUS	1	1.70	1.28	1.02	177.89	1360.8	1698.5
32	FARMERS UNION	1	1.80	1.35	1.08	178.97	1361.0	1698.5
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	1390.3	1787.2
35	MIDDLETON MILL	1	.41	.31	.25	256.31	1390.3	1787.3
35	MIDDLETON IRRIGATION	1	.38	.29	.23	256.54	1390.4	1787.4
35A	CANYON COUNTY	1	1.76	1.32	1.06	257.60	1390.6	1787.8
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	MAHMON	3	1.30	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	1383.9	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	293.00	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	BUSS	1	1.00	.75	.60	312.01	1394.2	1750.3
51	ANDREWS	3	1.30	.98	.78	312.01	1394.2	1750.3
52	MACE-CATLIN	1	7.79	5.84	4.67	316.50	1393.4	1752.4
52	SEVEN SUCKERS	1	.07	.05	.04	316.72	1393.4	1752.3
53	MEEVES	1	1.80	1.35	1.08	317.80	1393.7	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	338.43	1400.8	1761.5

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

CHART NO. 26

NO.	CANAL	RIVER SECTION	100% OF DEGREE	75% OF DEGREE	60% OF DEGREE	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	FARRAULT & 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	.70	.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 DECREEED 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						
81	SETTLERS	1	2.20	1.65	1.32	563.33	1457.1	1855.2
81	WARM SPRINGS	1	.40	.30	.24	563.62	1457.1	1855.3
82	WARM SPRINGS	1	.80	.60	.48	564.10	1457.3	1855.5
83	WARM SPRINGS	1	.44	.33	.26	564.36	1457.3	1855.6
84	THURMAN MILL	1	.44	.33	.26	564.62	1457.4	1855.7
84	WARM SPRINGS	1	1.50	1.13	.90	565.52	1457.6	1856.1
85	WARM SPRINGS	1	1.36	1.02	.82	566.34	1457.8	1856.5
85A	MISCELLANECUS	1	2.20	1.65	1.32	567.66	1458.1	1857.0
85A	SETTLERS	1	1.04	.78	.62	568.28	1458.3	1857.3
85B	SETTLERS	1	.72	.54	.43	568.71	1458.4	1857.4
85C	NEW DRY CREEK	1	1.00	.75	.60	569.31	1458.6	1857.7
85D	BALLENTYNE	1	.22	.17	.13	569.44	1458.6	1857.8
85D	NEW DRY CREEK	1	.76	.57	.46	569.90	1458.7	1857.9
85E	NEW DRY CREEK	1	.07	.05	.04	569.94	1458.7	1858.0
86	SEBREE	1	.39	.29	.23	570.17	1458.7	1858.1
87	THURMAN MILL	2	20.00	15.00	12.00	570.17	1458.8	1858.1
88	RIVERSIDE	1	.90	.68	.54	570.71	1458.9	1858.3
88	EUREKA #2	2	6.00	6.00	4.80	570.71	1458.9	1858.3
88	PIONEER DIXIE	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
99	BALLENTYNE	1	1.40	1.05	.84	688.64	1488.4	1907.4
100	BALLENTYNE	1	1.46	1.10	.88	689.52	1488.6	1907.8
101	BALLENTYNE	1	1.00	.75	.60	690.12	1488.8	1908.0
102	BALLENTYNE	1	.20	.15	.12	690.24	1488.8	1908.1
102	NEW DRY CREEK	1	.51	.38	.31	690.55	1488.9	1908.2
103	BALLENTYNE	1	.33	.25	.20	691.08	1489.0	1908.4
103	NEW DRY CREEK	1	.90	.68	.54	691.08	1489.0	1908.4
104	ANDREWS	3	50.00	37.50	30.00	691.08	1489.0	1908.4
105	SEBREE	2	361.34	271.46	217.16	908.24	1343.3	1998.9
106	RIDENBAUGH	1	8.90	6.68	5.34	913.58	1544.6	2001.2
106	NEW YORK	1						

TABLE SHOWING PRESENT DIVERSION OF STEWART DECREE
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						
107	BUBB	1	.84	.63	.50	914.03	1544.7	2001.3
108	BUBB	1	.06	.05	.04	914.12	1544.8	2001.4
109	BUBB	1	.02	.02	.01	914.13	1544.8	2001.4
110	BUBB	1	2.40	1.80	1.44	915.57	1545.1	2002.0
111	BUBB	1	6.00	4.50	3.60	919.17	1546.0	2003.5
112	BUBB	1	2.94	2.21	1.76	920.93	1546.5	2004.2
113	BUBB	1	.05	.04	.03	920.96	1546.5	2004.2
114	BUBB	1	.10	.08	.06	921.02	1546.5	2004.2
114A	MISCELLANEOUS	3	.03	.02	.02	921.04	1546.5	2004.2
114B	PARMA	3	1.60	1.20	.96	921.04	1546.5	2004.2
115	WARM SPRINGS	1	.80	.60	.48	921.04	1546.5	2004.2
116	WARM SPRINGS	1	.06	.05	.04	921.04	1546.5	2004.3
116A	RIVERSIDE	2	1.20	.90	.72	921.80	1546.7	2004.6
116S	RIVERSIDE	2	.72	.54	.43	921.80	1546.7	2004.6
116C	RIVERSIDE	2	.10	.08	.06	921.80	1546.7	2004.6
117	PHYLISS	1	.40	.30	.24	921.80	1546.7	2004.6
118	CONWAY-HAMMING	1	200.00	150.00	120.00	1041.80	1576.7	2054.6
119	DAVIS	1	2.20	1.65	1.32	1043.12	1577.0	2055.1
120	MIDDLETON MILL	1	.54	.41	.32	1043.44	1577.1	2055.2
120	FARMERS UNION	1	16.44	12.33	9.86	1053.30	1579.6	2059.4
120	NEW DRY CREEK	1	.08	.06	.05	1053.35	1579.6	2059.4
121	ANDREWS	3	.48	.36	.29	1053.64	1579.6	2059.5
122	SETTLERS	1	3.50	2.63	2.10	1053.64	1579.6	2059.5
123	BALLENTYNE	1	73.44	55.08	44.06	1097.70	1590.7	2077.9
123A	MIDDLETON MILL	1	.80	.60	.48	1098.18	1590.8	2078.1
124	RIVERSIDE	3	1.60	1.20	.96	1099.14	1591.0	2078.5
124A	NEW DRY CREEK	1	80.00	60.00	48.00	1099.14	1591.0	2078.5
124A	BALLENTYNE	1	.69	.52	.41	1099.55	1591.1	2078.6
125	PARMA	3	.14	.11	.08	1099.63	1591.1	2078.7
126	FARMERS UNION	1	1.76	1.32	1.06	1099.63	1591.1	2078.7
127	RIDENBAUGH	1	110.00	82.50	66.00	1165.63	1607.6	2106.2
128	THURMAN MILL	1	1.00	.75	.60	1166.23	1607.8	2106.4
129	SEBREE	2	.66	.50	.40	1166.63	1607.9	2106.6
129A	NEW DRY CREEK	1	83.50	62.63	50.10	1166.63	1607.9	2106.6
130	RIVERSIDE	2	.54	.41	.32	1166.95	1608.0	2106.7
131	NEW YORK	1	20.00	15.00	12.00	1166.95	1608.0	2106.7
132	CAMPBELL	2	219.10	164.33	131.46	1298.41	1640.8	2161.5
133	RIVERSIDE	2	10.00	7.50	6.00	1298.41	1640.8	2161.5
134	CAMPBELL	2	70.00	52.50	42.00	1298.41	1640.8	2161.5
135	PHYLISS	1	5.54	4.16	3.32	1298.41	1640.8	2161.5
136	BALLENTYNE	1	56.34	42.26	33.80	1332.21	1649.3	2175.6
137	MACE-MACE	1	.39	.29	.23	1332.44	1649.3	2175.7
137A	ISLAND HIGH LINE	3	1.76	1.32	1.06	1333.50	1649.6	2176.1
138	MACE-CATLIN	1	7.00	5.25	4.20	1333.50	1649.6	2176.1
139	ISLAND HIGH LINE	3	.44	.33	.26	1333.76	1649.7	2176.2
			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 IRRIG. DIST. BOISE KUNA IRRIG. 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 IRRIG. DIST.	306.56	229.92	183.94	3338	4329	4953	63-0294
4-1-1905	FARMERS COOP. 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 IRRIG. 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 IRRIG. 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 IRRIG. 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
8-18-1924	UNITED STATES OF AMERICA	300.00	225.00	180.00			13594	63-2388
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".

