

**WATER DISTRIBUTION
OF
BOISE RIVER
DISTRICT 63
1974**

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1974

(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

DANIEL L. MUSSELMAN

WATERMASTER, BOISE RIVER

C H A R T S

1. Map of Boise River, showing canal diversions.
2. Shows the natural flow of the Boise River by days for the period from 1941 to date. The same information for the period 1895 to 1940 is shown in a revised 1967 report.
3. Shows mean daily flow of Boise River for a 75 year period.
- 3A. Shows natural flow high years.
4. Shows monthly and annual flow of Boise River in acre-feet, for the irrigation years from 1894-95 to date.
5. Daily discharge of all canals (Section 1, 2 and 3) for the irrigation season.
6. Summary chart in acre-feet showing monthly and total canal diversions for the irrigation season.
7. Summary chart showing total annual diversions for all Boise Valley canals beginning 1967. The same information beginning 1915 is shown in previous reports.
8. Shows acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1965. The same information beginning 1916 and 1947 shown in previous reports.
9. Shows acreage under all canals in the Boise Valley.
10. Storage use for the irrigation season.
11. Storage water allocation.
12. Shows daily discharge of all principal tributary streams feeding water to Boise River below Mores Creek for irrigation season.
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 drainage canals in Drainage District No. 2 for the irrigation season.
16. Charts showing total discharge of all drainage canals in Drainage Districts No. 3 and No. 4 for the irrigation season.
17. Summary chart of the return flow to Boise River between the Government Diversion Dam and Snake River for a 15 year period.

C H A R T S

(continued)

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 diversion of decreed rights on Boise River.
23. Shows transfers of decreed rights on Boise River.
24. Condensed chart of Stewart Decree showing dates of priority and amounts decreed.
25. Charts showing the Stewart, Intervenor and Bryan Decrees grouped under canal headings.
26. Charts in second feet showing decreed rights (Stewart Decree) and approximate natural flow at Diversion Dam necessary to fill same.
27. Chart in second feet showing decreed rights (Bryan Decree) and approximate natural flow in second feet necessary at Diversion Dam to fill same.

ORGANIZATION

The Boise River organization for 1974 includes a Chairman, Executive Secretary, a Watermaster, one Assistant for a few months during the summer, and a part-time Secretary.

The Advisory Committee, made up of nine members including the Chairman of the water users, was elected at the annual meeting in January, also an Executive Secretary was elected to replace the retiring Secretary. In addition to the annual meeting, an Advisory Committee meeting was held at 9:00 A.M., preceding the annual meeting of the water users on the second Monday, in January, at which time a tentative budget is prepared for submission to the general meeting, other meetings are held during the year at the call of the Chairman to consider various matters affecting the water users.

The Advisory Committee, elected at the annual meeting in January, was as follows:

M. A. Watkins, Chairman
Phebe M. Morris, Executive Secretary
Isaac Blickenstaff
Henry Dalrymple
W. S. Hall
James Klahr
Wendell Knight
L. C. Mace
Wayne Naugle
June S. Walters

Cooperative assistance is rendered by the Board of Control in current meter work, compiling records, etc., for which proper remuneration is given.

The splendid assistance and cooperation rendered by the State Department of Water Administration Director and the personnel of that office has been most helpful at all times, and appreciation is hereby expressed.

DECREES

Stewart Decree:

The old water rights from the Boise River are included in the decree in the case of FARMERS COOPERATIVE DITCH COMPANY, a Corporation, VS. RIVERSIDE IRRIGATION DISTRICT, LTD., a Corporation, et al, signed by District Judge George H. Stewart, January 18, 1906, commonly referred to as the "Stewart Decree". This case was appealed to the Supreme Court and affirmed as to priorities and acreage, but remanded to the District Court for the sole and only purpose of determining the duty of water. In 1914 testimony was taken before the court as to the duty of water and was transcribed, which consists of approximately 2,630 typewritten pages. The final decree of the court as to the duty of water has never been entered. However, Judge E. L. Bryan, Judge of the District Court of the SEVENTH JUDICIAL DISTRICT of the State of Idaho, issued a continuing order on May 31, 1919, which is still in effect, providing for the distribution of the waters of 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 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 to whom decree was issued, 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 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 to bankful (6,500 c.f.a. 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 bankful and some downstream flooding will occur.

CANAL REGULATIONS

It was not necessary to begin canal regulations until July 1, the natural flow was exceptionally good.

Chart 5 shows daily canal diversions in c.f.s. for the period from April 1 to November 1.

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 winter waste for the entire Boise Valley for each season beginning 1967 to date. Previous reports show the same information, 1915 to 1966 inclusive.

BOISE RIVER RUN-OFF AND AVAILABLE WATER SUPPLY

The total natural flow for the calendar year 1974 was 3,147,560 acre feet and for the irrigation year was 3,212,958 acre feet. Irrigation started about the 1st of April and demand for water was light in April and was heavy in May through September. In Section #2 and #3 water use was moderate due mostly to a good return flow. The river flow reached 18,469 c.f.s. in the 1973-74 water year on May 9, and lowest flow was 409 cubic feet per second on September 8 which was caused by reservoir regulation. The flow at Lucky Peak was reduced to 120 c.f.s. on October 18, the irrigation season ended October 14, the water run, which lasted until October 18, was to raise the elevation of Lake Lowell for duck hunting. On October 22, Lucky Peak was shut off for two days for inspection, then the flow was increased to 200 c.f.s. to dilute some raw sewage from the Lander Sewer Plant.

STORAGE WATER

As of December 31, there was 294,554 acre feet of water in Anderson Ranch Reservoir, 215,612 in Arrowrock and 50,759 in Lucky Peak. 1,413 c.f.s. is being released from Anderson Ranch Reservoir, 0 c.f.s. from Arrowrock Reservoir and 200 c.f.s. from Lucky Peak Reservoir, and 200 c.f.s. passing Diversion Dam for fish and sanitation water. The natural flow on December 31, was 1,126 c.f.s.

CONCLUSIONS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

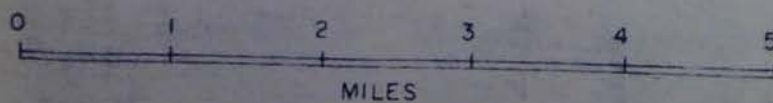
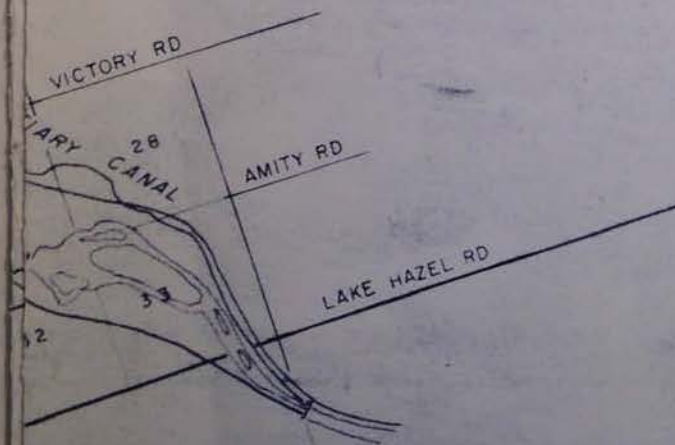
16. That some type of program should be adopted for annual repair and channel clearance on the Boise River.

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

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diversions and Tributaries along Boise River

N
RLAND RD



Snake River

20
95

T 6 N

PARMA

Boise

MC CONNEL

ISLAND

PARMA CANAL

ISLAND HIGH LINE

HAAS

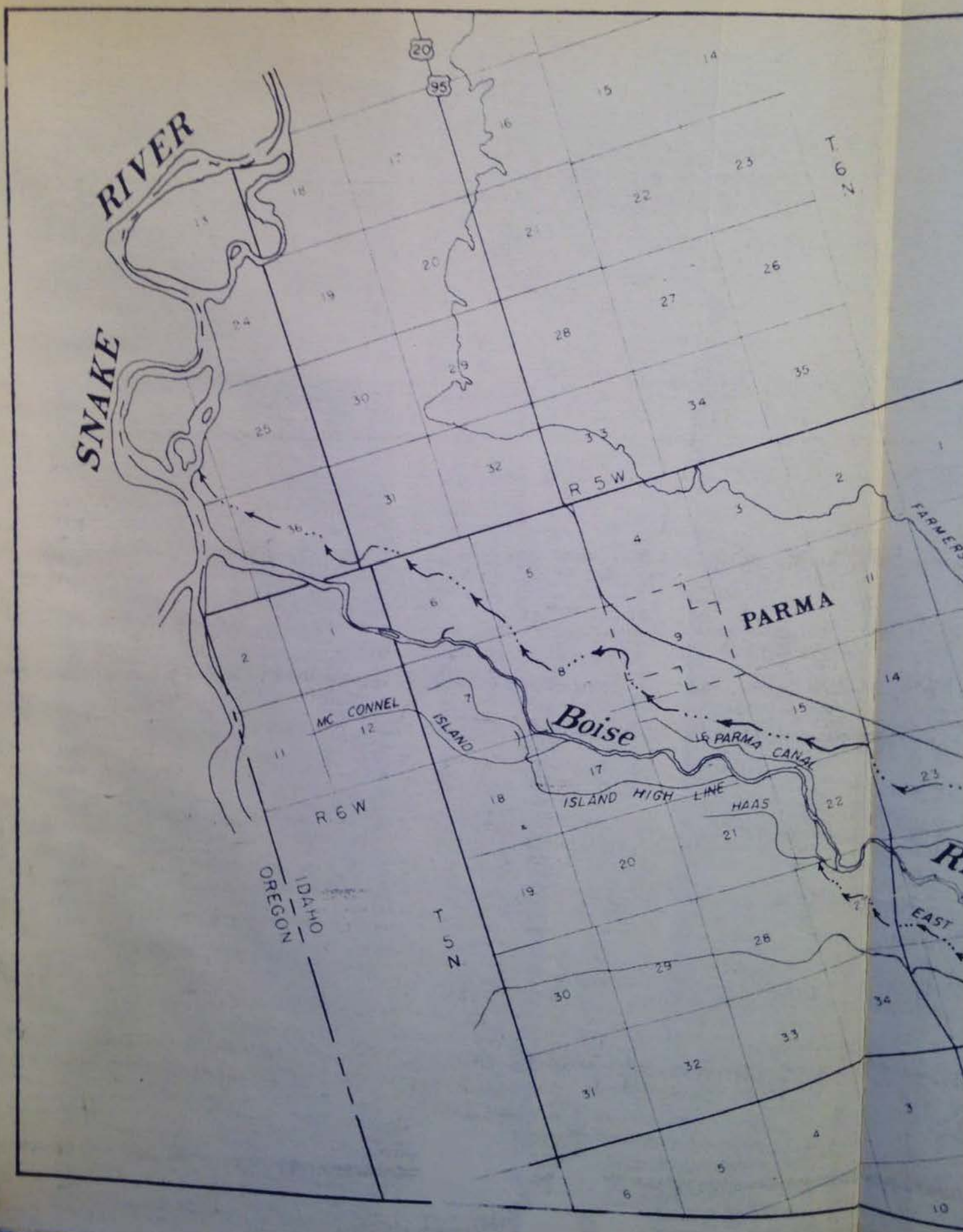
IDAHO
OREGON

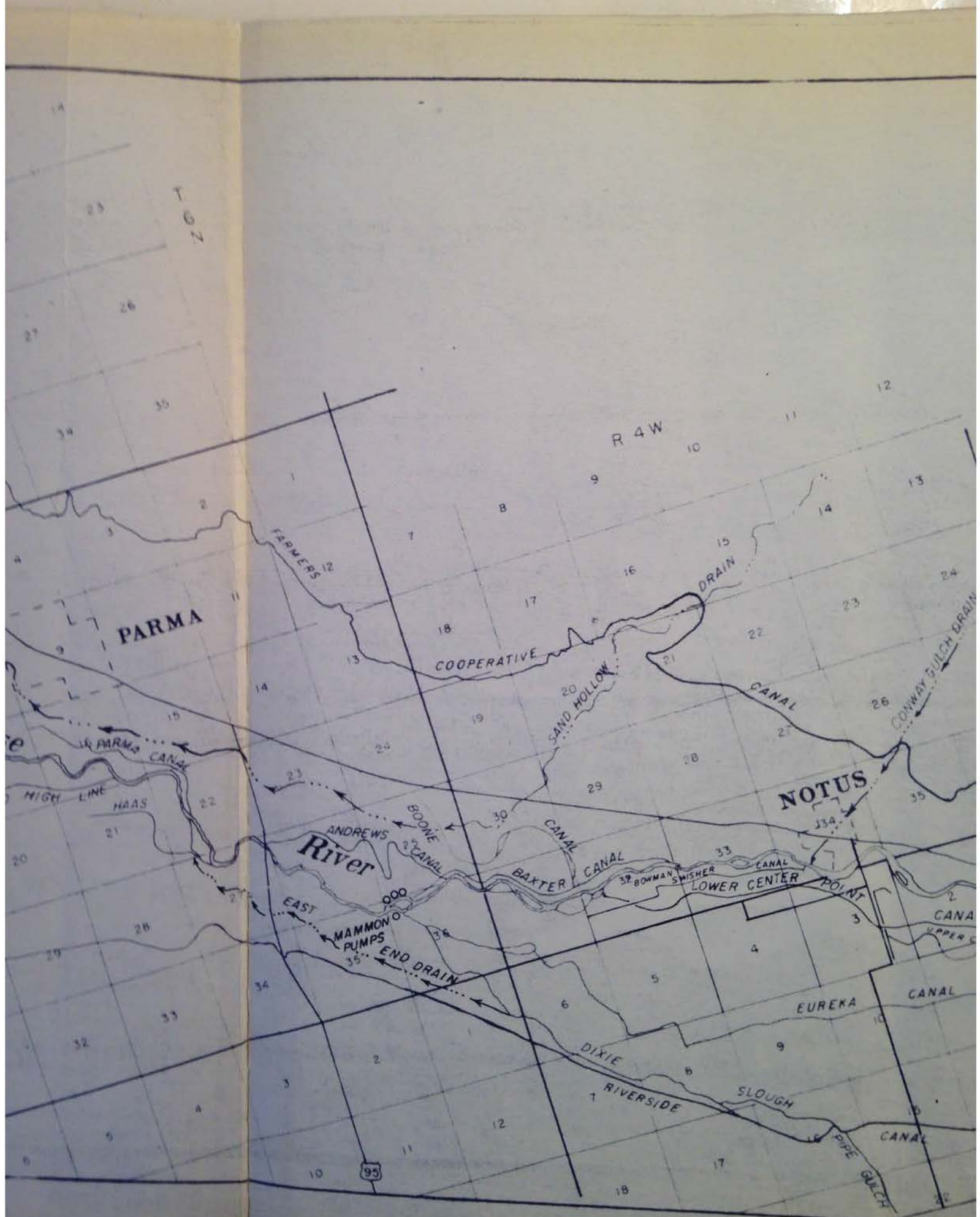
R 6 W

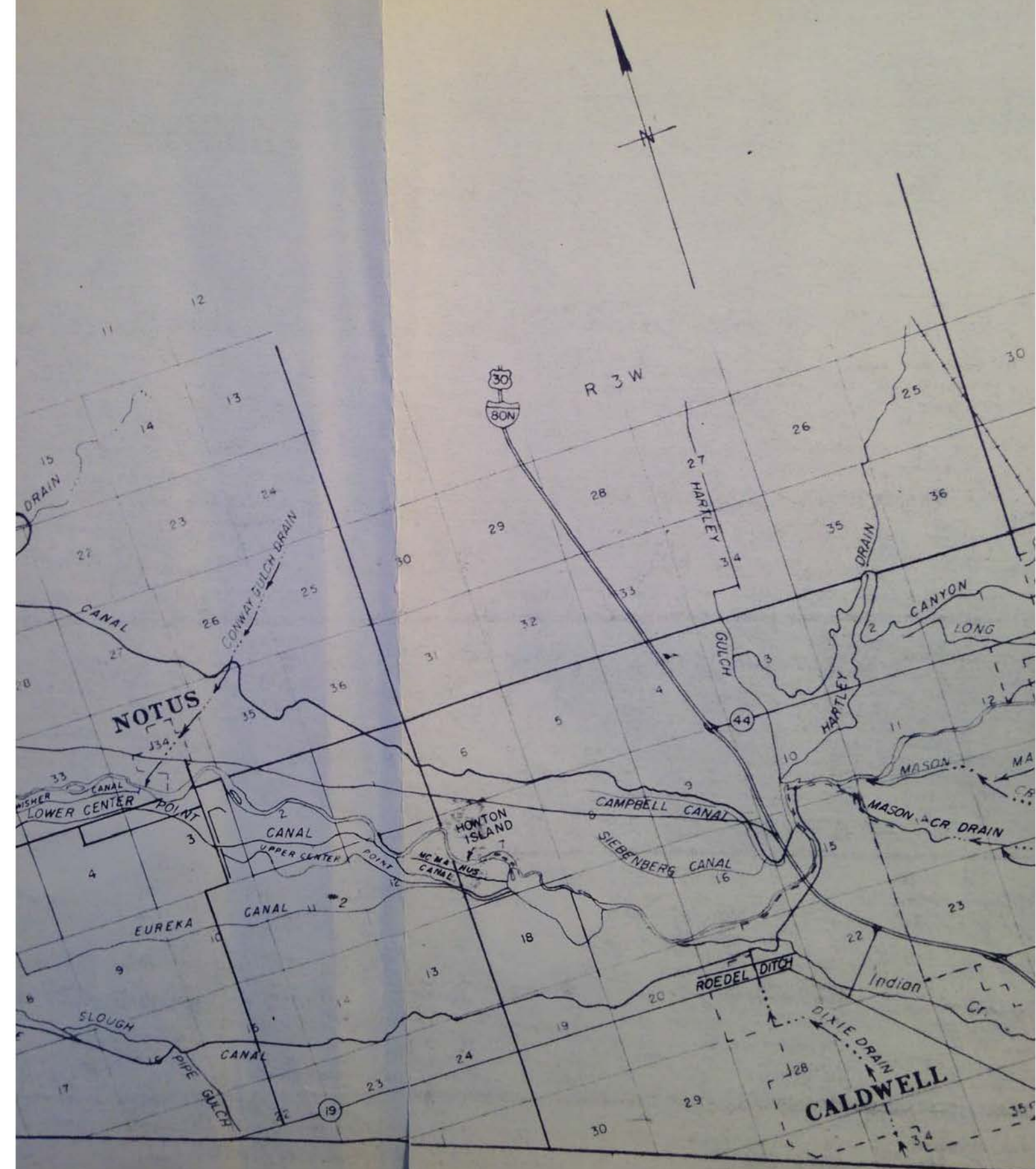
R 5 W

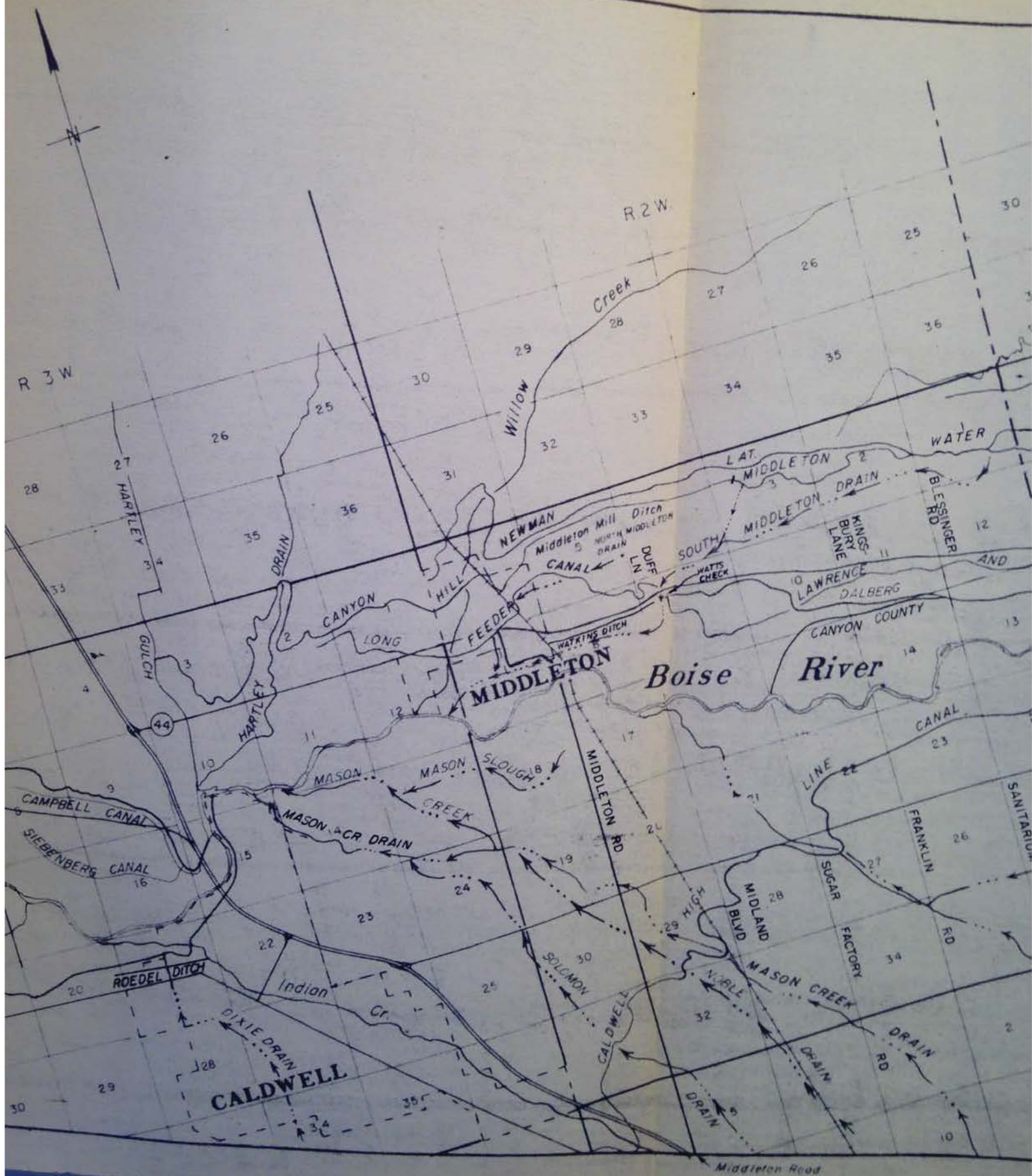
FARMER

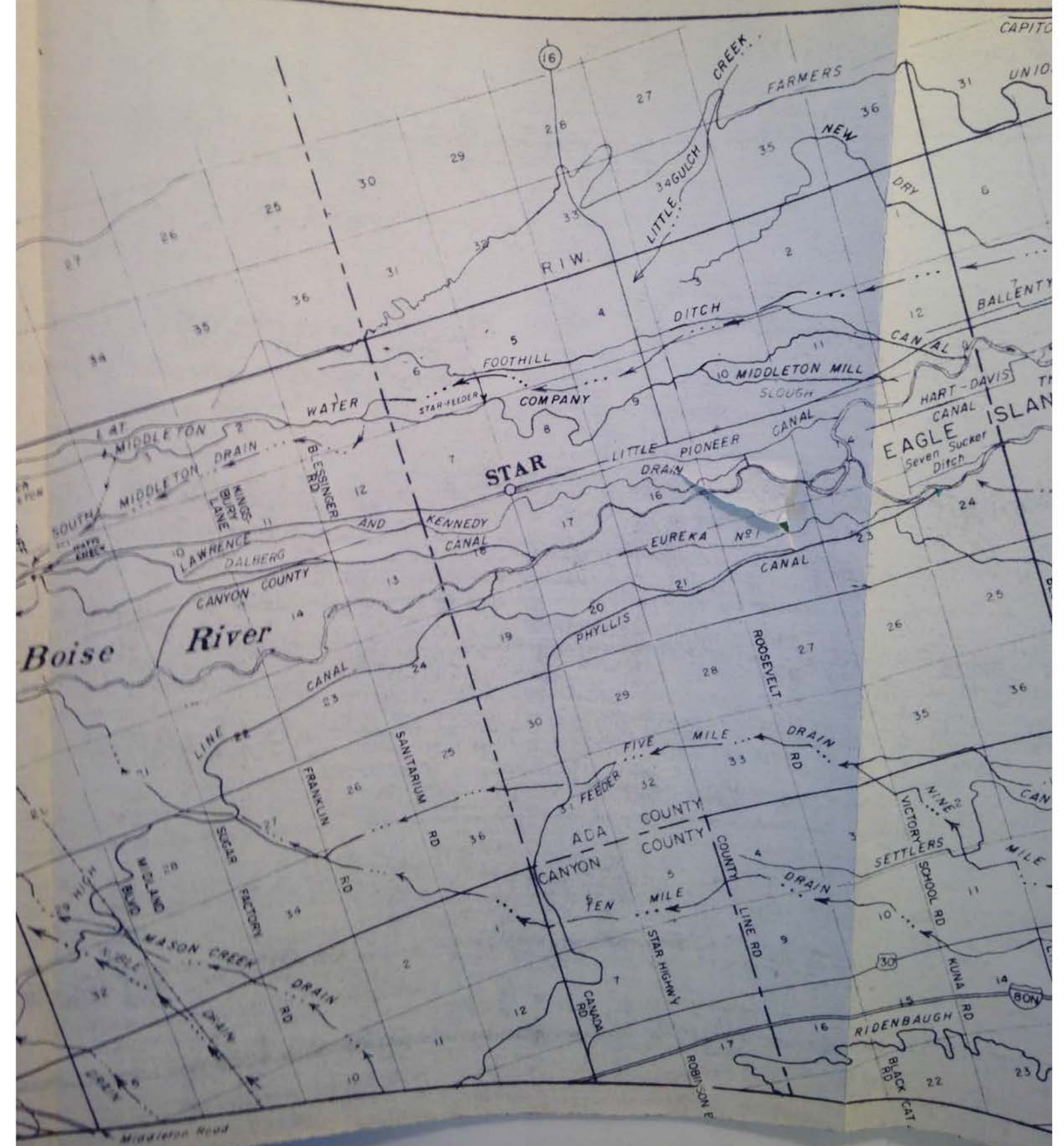
EAST

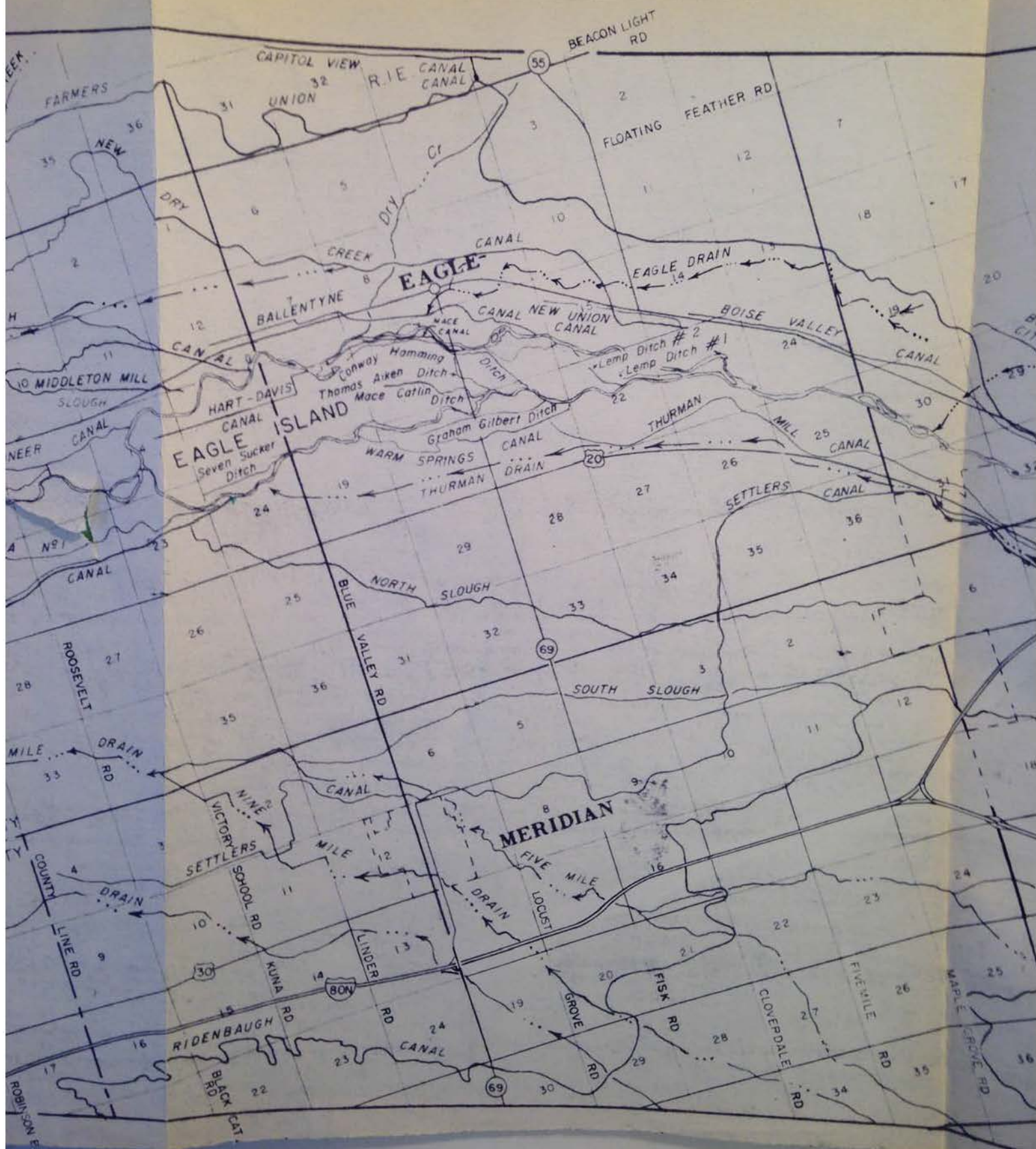


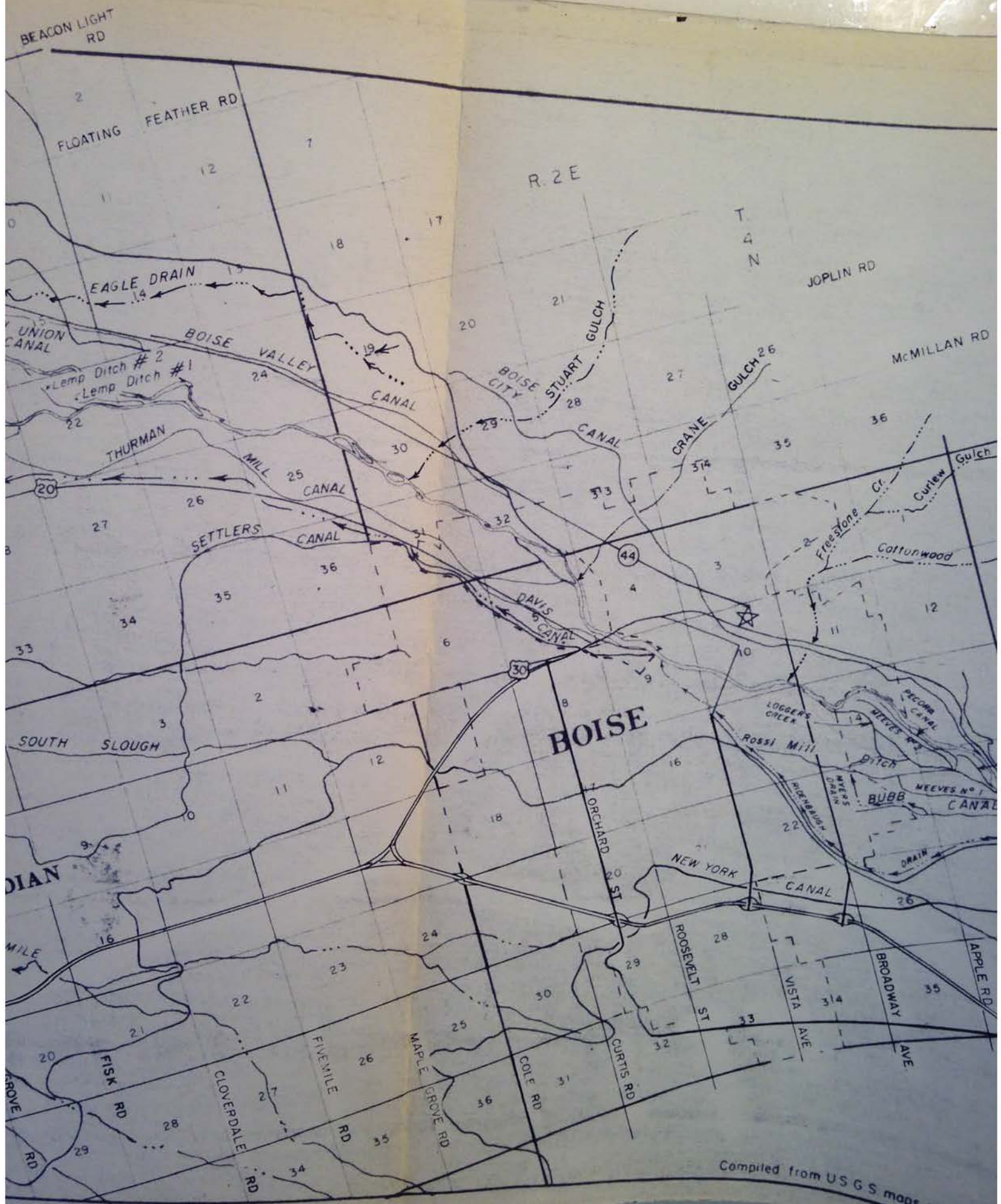






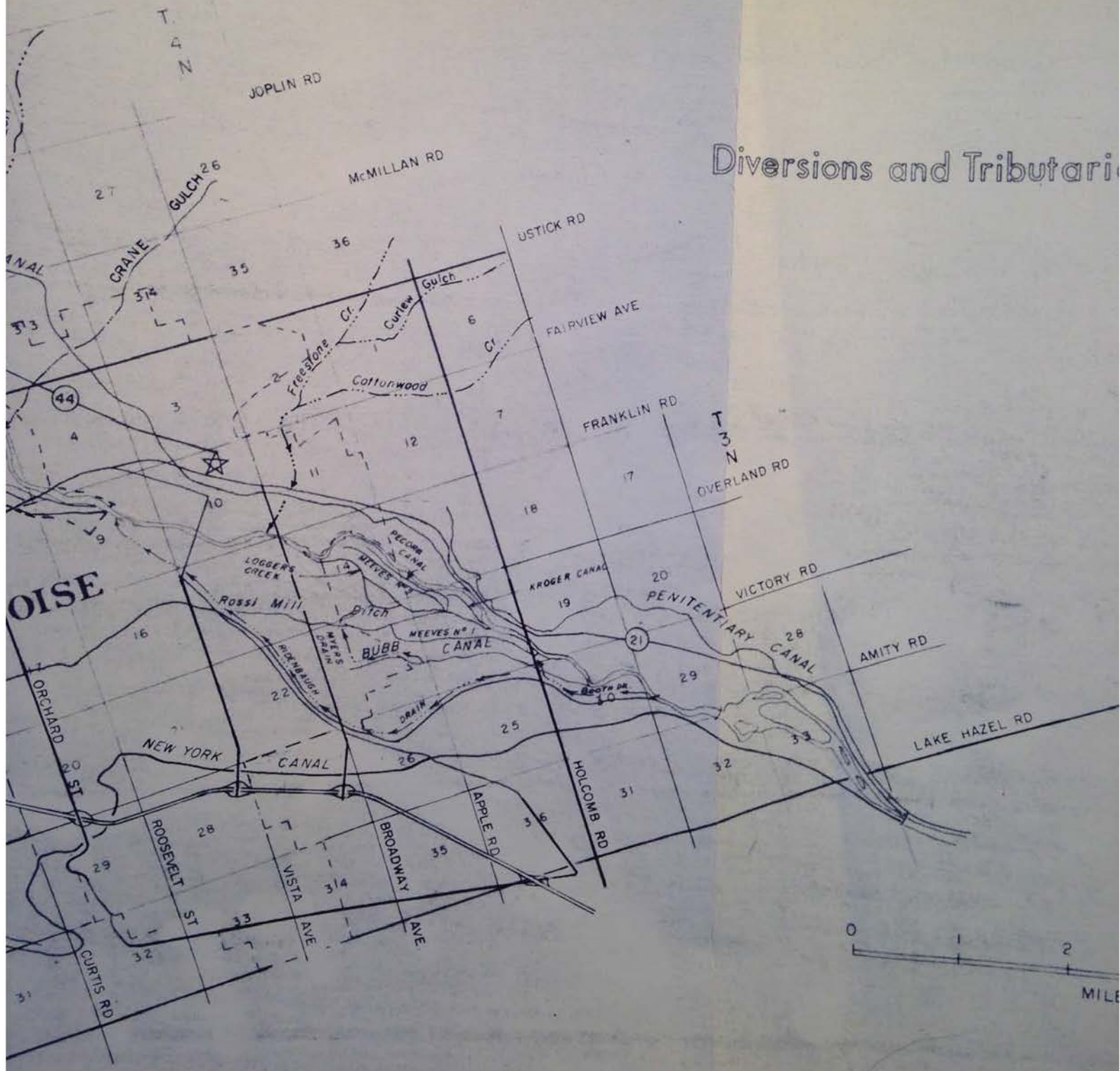




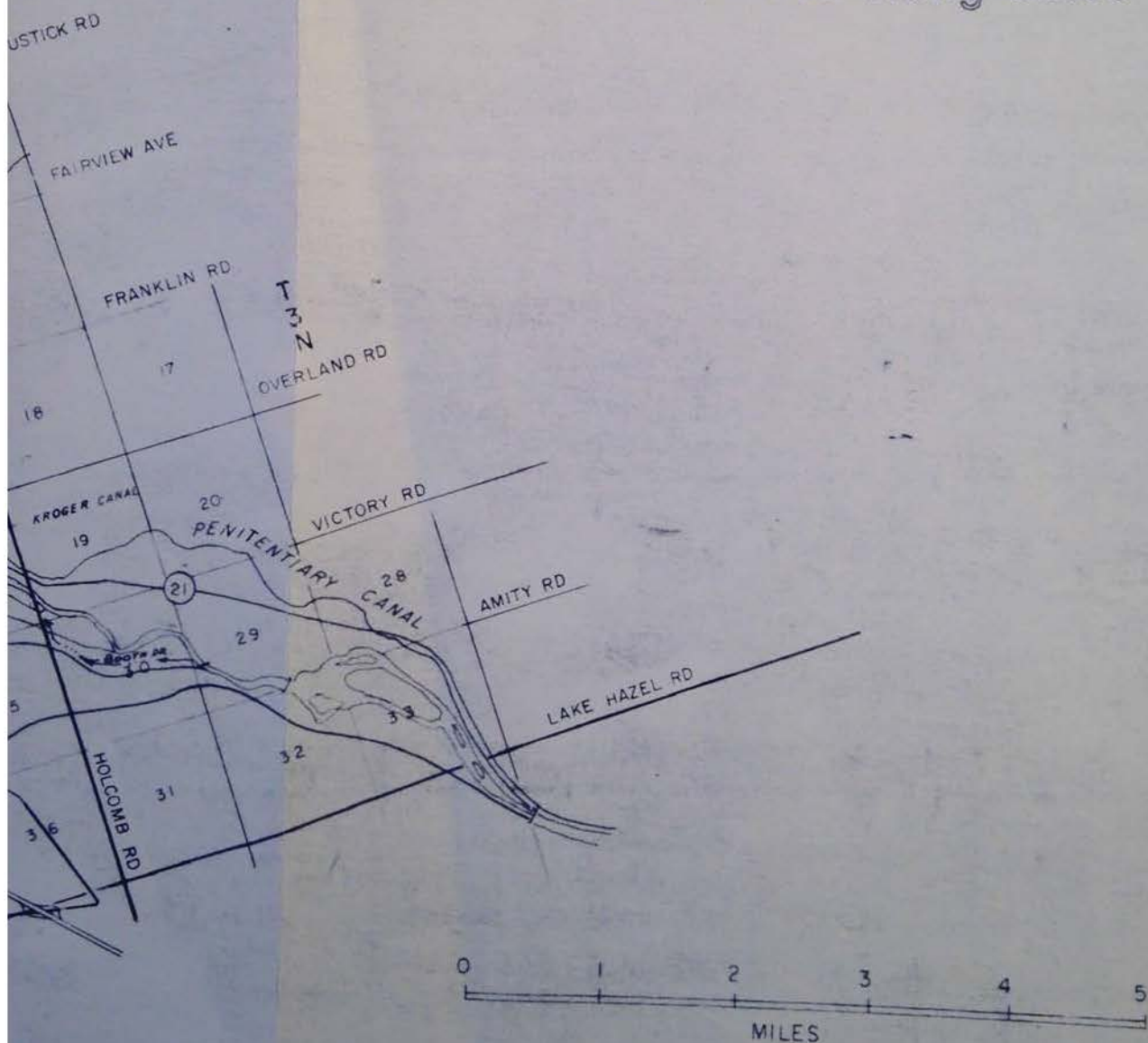


Compiled from US G S maps and Idaho

Diversions and Tributaries



Diversions and Tributaries along Boise River



NATURAL FLOW OF BOISE R
IN SECOND FEET
BEGINNING 1941

JANUARY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1941	953	664	662	690	704	967	890	959	778	857	761	699	622	926	1026	929	927	878	884	888
1942	869	647	1027	927	737	737	737	999	1000	1157	1052	1051	841	946	946	621	731	1306	866	756
1943	4510	4934	3711	2796	2572	2257	2026	1701	1730	1701	1554	1337	1344	1519	1550	1636	1300	1110	1315	2010
1944	998	895	979	759	575	685	876	673	670	671	674	676	684	688	962	934	945	1042	827	824
1945	796	703	662	668	803	810	747	1120	1193	1040	1035	899	902	1300	1461	1305	1169	1052	1034	1035
1946	2583	2013	2128	1723	1881	1631	1219	1544	1282	1045	1240	920	878	1057	983	866	1214	1246	1157	1111
1947	820	1062	923	620	688	986	1017	1018	905	903	1186	1033	1074	1052	788	753	786	733	1073	1245
1948	661	943	884	972	1020	1111	1140	2183	2282	1653	1571	1494	1005	866	810	842	940	948	964	827
1949	866	878	818	730	730	825	800	822	861	868	773	760	777	824	830	850	841	814	785	780
1950	642	735	654	772	509	644	848	894	903	955	952	708	558	884	624	760	832	706	767	1079
1951	1130	993	1241	1259	997	1017	1000	748	949	1190	1294	1188	1361	1172	1120	1231	1404	1165	1058	1107
1952	797	526	852	469	1008	989	898	1201	1046	936	1194	1463	1735	903	1285	1545	1618	581	1254	1132
1953	806	694	1346	785	691	810	1165	731	1103	1275	1657	1090	1736	2332	1738	1740	1662	2309	4391	3813
1954	278	1799	1016	784	1240	1021	466	974	1062	995	586	662	975	897	824	955	1091	947	1096	1069
1955	851	805	705	550	786	1101	299	364	84	955	1198	1206	588	925	750	804	596	567	967	677
1956	3113	3390	1830	2272	2298	2506	1782	2126	1688	1674	1593	1851	1841	1843	2197	5154	2314	2822	3641	2838
1957	863	943	1057	1163	325	911	694	290	1034	977	681	1008	707	1042	1493	595	1022	687	907	483
1958	381	758	230	655	926	421	680	603	787	1170	1363	1120	910	853	1153	808	932	1216	750	553
1959	1244	1185	672	589	372	1161	1076	1210	1664	871	860	1010	1639	1733	1350	1523	1413	1010	1443	1033
1960	924	626	635	758	616	548	1834	(-96)	1760	1156	666	959	1091	515	1082	428	688	489	758	598
1961	977	574	545	754	496	685	687	849	673	931	762	660	701	621	805	891	806	438	611	593
1962	685	742	484	817	841	841	1009	1377	1237	1495	853	786	1107	770	931	969	843	916	1002	988
1963	756	1107	1063	1052	910	681	401	732	619	921	663	347	276	367	498	881	780	1009	659	640
1964	847	803	1015	712	672	828	1147	836	670	579	748	788	775	634	544	866	770	934	991	1356
1965	3669	2725	2775	2824	2681	2701	2594	2336	1813	2160	2321	2011	1836	1893	1941	1557	1885	1872	1915	1721
1966	1150	961	1047	889	1091	1367	1899	1720	1519	1259	1098	1108	818	1275	1010	1192	730	627	572	830
1967	715	739	1534	805	(-25)	900	871	604	968	673	621	544	809	896	988	998	870	986	767	932
1968	893	830	664	549	664	923	766	582	648	1055	626	831	765	783	909	805	953	763	757	736
1969	816	1260	986	855	1114	1151	1545	1469	1561	1288	1139	1493	2041	1658	2298	2055	1759	1508	1293	1808
1970	636	609	629	458	847	685	753	641	719	816	873	1274	1088	1102	1413	1537	1670	2488	2060	2677
1971	1174	1037	825	958	791	653	937	1030	1535	1635	2007	1596	1574	1464	1548	2302	2584	3892	5749	5953
1972	966	978	1213	789	609	1018	1056	1029	861	1170	1101	1240	1202	1001	932	1043	1043	1300	1976	1820
1973	1068	789	1098	920	834	730	717	1068	872	833	1010	1264	1769	1090	1670	1256	2595	2621	1423	1830
1974	1381	1035	688	944	1008	866	1291	948	1186	941	764	842	1168	1805	1475	2622	4977	5961	4164	4140

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

JANUARY

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
622	926	1026	929	927	878	884	888	890	886	884	917	1030	1215	1172	942	811	808	911	27,130
841	946	946	621	731	1306	866	756	866	748	976	1119	1265	1511	1172	1323	1489	1388	1281	31,091
344	1519	1550	1636	1300	1110	1315	2010	2179	3728	4603	4259	3563	3199	2987	2703	2505	2250	2006	76,595
684	688	962	934	945	1042	827	824	822	722	730	940	827	828	823	733	748	744	752	24,706
902	1300	1461	1305	1169	1052	1034	1035	704	830	739	663	816	806	737	774	772	684	876	28,135
878	1057	983	866	1214	1246	1157	1111	940	1164	1117	1362	1209	1045	1073	1104	993	952	1085	39,765
1074	1052	788	753	786	733	1073	1245	1132	1276	865	1119	1114	1125	1157	914	920	987	908	30,182
1005	866	810	842	940	948	964	827	872	924	1244	1208	1030	906	760	481	545	766	909	32,761
777	824	830	850	841	814	785	780	788	806	811	793	732	686	719	722	727	765	738	24,519
558	884	624	760	832	706	767	1079	1300	1874	2235	2173	1789	1238	1257	1186	1271	1019	833	31,601
1361	1172	1120	1231	1404	1165	1058	1107	1050	1321	1324	1154	1252	1219	1404	1171	747	946	762	34,974
1735	903	1285	1545	1618	581	1254	1132	974	966	1374	1249	1256	975	1502	1015	1079	1120	1379	34,321
1736	2332	1738	1740	1662	2309	4391	3813	2852	2256	1732	1452	1546	1524	1085	1647	1698	1258	1544	50,468
975	897	824	955	1091	947	1096	1069	787	699	1242	1207	1259	990	1389	1001	1500	1635	1687	32,133
588	925	750	804	596	567	967	677	93	720	731	1513	1082	728	753	416	686	783	1075	23,358
1841	1843	2197	5154	2314	2822	3641	2838	3115	2743	2933	2913	2149	2064	2359	1564	2367	1434	1192	73,606
707	1042	1493	595	1022	687	907	483	1087	1155	727	788	915	998	648	837	922	721	544	26,224
910	853	1153	808	932	1216	750	553	546	781	895	1215	747	1095	396	1760	552	1399	1186	26,841
1639	1733	1350	1523	1413	1010	1443	1033	1052	741	1286	1382	1687	1578	1356	1980	1390	1594	1129	38,233
1091	515	1082	428	688	489	758	598	682	924	1179	965	607	840	1051	800	753	987	1009	25,832
701	621	805	891	806	438	611	593	515	476	690	657	701	669	649	582	587	895	747	21,227
1107	770	931	969	843	916	1002	988	596	787	450	557	882	1069	887	910	912	732	802	27,277
276	367	498	881	780	1009	659	640	762	466	784	551	524	707	960	111	890	750	939	21,806
775	634	544	866	770	934	991	1356	756	797	798	842	1009	966	908	916	741	805	1032	26,085
1836	1893	1941	1557	1885	1872	1915	1721	2169	1922	2085	2359	2173	1776	1996	2706	4124	6216	7442	80,198
818	1275	1010	1192	730	627	572	830	650	550	1156	1053	1103	784	746	952	862	684	882	31,584
809	896	988	998	870	986	767	932	1523	2071	1748	1233	1114	1073	1309	1316	1312	1821	2081	32,796
765	783	909	805	953	763	757	736	663	776	1112	723	167	803	753	613	625	892	891	23,520
2041	1658	2298	2055	1759	1508	1293	1808	3639	6256	5379	3263	3570	1948	2473	2556	2144	2287	1356	63,968
1088	1102	1413	1537	1670	2488	2060	2677	2475	3784	4324	5054	4261	3990	4065	4557	3384	2713	2007	63,589
1574	1464	1548	2302	2584	3892	5749	5953	5901	4915	4297	3687	3128	3406	2863	2777	2633	2445	2716	78,012
1202	1001	932	1043	1043	1300	1976	1820	3121	5188	4295	2899	2478	2073	1943	1653	1624	1563	1318	50,502
1769	1090	1670	1256	2595	2621	1423	1830	1117	948	826	994	1103	1252	999	901	1158	1031	1100	36,886
1168	1805	1475	2622	4977	5961	4164	4140	4098	3266	2490	2725	2449	2590	1846	2134	2101	1910	1681	65,496

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

FEBRUARY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1941	817	843	852	957	831	879	1140	1215	1100	1102	1244	1435	1469	1238	1123	1163	1093	994	1041	1151	106
1942	1198	1073	1400	1427	1432	1446	1326	1382	1271	1261	1285	1152	1118	861	997	1179	1011	892	739	753	80
1943	1859	1804	1921	1657	1557	1675	1571	1797	1817	1522	1569	1359	1648	1445	1646	1758	1771	1961	1944	2154	246
1944	764	878	1096	809	1046	1165	1032	1020	1159	1270	791	785	773	785	906	1053	867	858	979	842	84
1945	799	1012	1467	1371	1010	1077	1048	1210	2213	1737	1486	1353	1599	3131	2857	2051	1874	1550	1396	1329	130
1946	1095	1162	1061	1049	1186	986	1102	1004	914	891	1028	1132	941	961	1074	1366	1281	1232	956	1237	1239
1947	1014	1122	953	941	993	1075	992	940	944	1148	1146	1250	2090	2423	2059	1886	1897	1937	2145	1786	1741
1948	878	983	1021	857	836	842	747	913	727	917	666	601	670	902	970	981	917	886	1227	1411	1102
1949	682	929	852	933	842	855	943	876	787	694	698	792	700	454	754	841	611	739	1165	1074	1793
1950	833	747	675	1415	1134	1344	1272	1182	1266	1259	1091	990	1165	917	1112	1042	1205	1203	1206	1299	1223
1951	757	835	945	1261	2238	1654	2153	3231	3400	3067	3290	3946	3147	3254	3175	2295	2409	2301	2334	2198	1987
1952	900	1761	2068	1884	1607	1436	1290	1465	1611	1470	1068	1341	1323	1272	920	1187	1743	1714	1215	1309	1183
1953	1128	1301	1834	2664	2912	2320	2086	2300	1921	1772	1697	1535	1519	1505	1495	1324	1466	1309	1398	1550	958
1954	1567	1410	940	1367	1387	1208	1363	1399	1252	1425	1432	1654	2038	2230	2217	2103	1965	2003	1663	1665	1579
1955	687	545	88	232	942	500	734	661	1374	1388	228	605	610	778	968	960	574	723	695	962	723
1956	1617	804	1201	1368	1774	1696	1694	3490	2463	4125	1644	3147	1764	1968	1561	1358	1573	1604	1311	1053	1343
1957	8	805	1053	2156	1014	710	986	750	1026	94	1862	753	760	1173	1346	741	1229	945	1039	1073	1183
1958	1213	807	598	1558	897	1182	1005	1034	1201	1098	1211	1217	1392	1937	2689	3463	4304	2500	2199	2982	3745
1959	1284	1019	993	1129	1414	1258	1114	1242	1150	1043	1242	1174	1086	766	1262	1199	1714	1476	1570	1524	1034
1960	793	887	1088	888	905	826	1402	1802	2714	2270	1409	1453	1146	1237	1005	950	890	1113	700	991	876
1961	1239	913	1003	812	1157	471	864	878	1158	778	1236	1711	1449	1363	946	1322	1324	1222	826	920	798
1962	758	726	887	886	1034	900	932	1233	948	1226	1746	1874	2337	2533	2174	2248	1836	1814	1640	1552	1450
1963	1684	6541	4042	6708	5525	4627	3771	3176	2849	2478	2312	2005	1830	1691	1816	1662	1636	1489	1593	1683	2339
1964	948	838	1200	895	668	748	821	646	818	1225	804	653	920	1042	850	903	1205	527	1116	963	1052
1965	7577	5853	4996	4606	4135	3991	3561	3300	3321	3318	2744	2403	2622	2878	2756	2401	2286	2403	2484	2433	2404
1966	938	834	785	624	544	1038	889	894	832	918	779	700	929	828	679	682	804	955	1211	667	758
1967	1920	1593	1297	1383	1396	950	1258	917	1021	1040	1021	1046	1032	1019	1081	1032	954	995	876	1241	342
1968	930	491	1007	1035	960	503	839	792	685	672	957	847	448	1239	975	822	701	941	1596	1962	3972
1969	2275	1265	1519	1572	1360	1461	1456	1514	1521	1633	1418	1489	1618	1781	1628	1640	1556	1195	1396	1821	2064
1970	2083	2080	1706	1698	1484	1460	1332	1451	1395	1417	1542	1628	2003	2223	2006	1844	2072	2284	2120	1961	1804
1971	2968	3499	3467	3321	3237	2653	2294	2417	2424	2442	2947	3145	2451	3610	3339	3720	3365	3390	3393	3622	2493
1972	1171	1426	1187	1021	1706	1524	1227	1490	1358	1317	1272	1134	1374	841	1453	1554	1558	1627	2054	1804	1546
1973	1078	927	659	996	1393	1152	1066	953	1060	723	1150	1231	1043	1005	932	885	718	1195	1445	500	923
1974	2267	1693	1808	1814	1796	1491	1357	1351	1136	1587	1506	1660	1527	1625	1515	1101	1963	1798	1823	2357	1773

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CHART NO. 2

FEBRUARY

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
469	1238	1123	1163	1093	994	1041	1151	1069	1093	1369	1529	1776	1535	1284	1342				32,684
118	861	997	1179	1011	892	739	753	806	1477	1051	1150	952	922	941	1079				31,581
648	1445	1646	1758	1771	1961	1944	2154	2462	2739	3419	3440	3327	2831	2870	2759				58,282
773	785	906	1053	867	858	979	842	847	622	916	794	919	798	797	954	780			26,305
599	3131	2857	2051	1874	1550	1396	1329	1302	1115	1086	1077	1051	836	969	1056				40,062
941	961	1074	1366	1281	1232	956	1237	1239	1219	1257	1287	1482	1546	1607	1609				32,904
1090	2423	2059	1886	1897	1937	2145	1786	1741	1834	1951	2029	1972	1832	1961	1578				43,639
670	902	970	981	917	886	1227	1411	1102	1326	1819	1458	1222	1309	1509	1340	1203			30,240
700	454	754	841	611	739	1165	1074	1793	(-58)	139	827	1035	(-140)	1795	1045				22,657
1165	917	1112	1042	1205	1203	1206	1299	1223	1222	1410	1412	1935	2626	2676	2654				37,505
3147	3254	3175	2295	2409	2301	2334	2198	1987	2009	1828	1815	1678	2364	1528	1840				62,939
1323	1272	920	1187	1743	1714	1215	1309	1183	1054	1206	1265	941	1120	949	1511	722			38,535
1519	1505	1495	1324	1466	1309	1398	1550	958	1120	1266	1406	1258	811	1271	1117				44,243
2038	2230	2217	2103	1965	2003	1663	1665	1579	1715	1579	1447	1626	2120	1886	1904				46,144
610	778	968	960	574	723	695	962	723	412	861	863	978	697	736	698				20,222
1764	1968	1561	1358	1573	1604	1311	1053	1343	1784	1615	1486	2020	1588	1590	1842	1752			52,235
760	1173	1346	741	1229	945	1039	1073	1183	1403	1198	2437	3446	4399	6586	6265				46,440
1392	1937	2689	3463	4304	2500	2199	2982	3745	2215	2809	3325	3682	4557	3324	2774				60,918
1086	766	1262	1199	1714	1476	1570	1524	1034	1219	1388	2178	1301	1461	1385	226				34,851
1146	1237	1005	950	890	1113	700	991	876	958	763	735	886	982	1040	871	865			32,445
1449	1363	946	1322	1324	1222	826	920	798	995	1325	903	945	1048	988	821				29,415
2337	2535	2174	2248	1836	1814	1640	1552	1450	1396	1226	1341	1230	1154	1050	1030				39,163
1830	1691	1816	1662	1636	1489	1593	1683	2339	1854	1567	1700	1569	1611	2037	1767				73,562
920	1042	850	903	1205	527	1116	963	1052	977	1060	1113	1096	936	857	1007	1042			26,990
2622	2878	2756	2401	2286	2403	2484	2433	2404	2694	2787	2590	2648	2480	2386	3246				91,303
929	828	679	682	804	955	1211	667	758	842	844	786	867	1178	749	1031				23,585
1032	1019	1081	1032	954	995	876	1241	342	873	574	1018	1103	1021	855	1166				30,024
448	1239	975	822	701	941	1596	1962	3972	4907	3416	4499	4002	3002	2531	2283	2031			49,045
1618	1781	1628	1640	1556	1195	1396	1821	2064	1731	1477	1331	1369	1397	1670	1410				43,567
2003	2223	2006	1844	2072	2284	2120	1961	1804	1808	1828	1848	1878	1904	2001	2004				50,864
2451	3610	3339	3720	3365	3390	3393	3622	2493	3032	2891	2755	2953	2658	2458	2716				83,660
1374	841	1453	1554	1558	1627	2054	1804	1546	1496	2404	2338	2130	2039	2297	2285	5280			50,513
1043	1005	932	885	718	1195	1445	500	923	949	927	1073	1220	1288	1127	1467				29,085
1527	1625	1515	1101	1963	1798	1823	2357	1773	1432	864	1873	1592	1624	1590	1547				45,470

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
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MARCH

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1941	1678	1898	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	1495	1480	1318	1384	1712	1967	1942
1942	873	1003	1035	1138	1018	1122	1054	1177	1115	1308	1403	1593	1652	1860	1479	1688	1527	1468	1432	1411
1943	3088	2982	2899	3025	3099	2745	2569	2684	2919	2526	2520	2460	2525	3825	3899	3451	3161	2860	2606	2820
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174	1248	1012	681	1196	1442	1446	1399
1945	903	1024	1056	1012	818	794	816	870	968	1016	1035	1076	1426	1746	1707	1520	1403	1519	1304	1172
1946	1733	1580	1379	1595	1565	1948	1997	2033	2090	2342	2900	3811	4148	4131	3566	3217	2843	2526	2803	4144
1947	1651	1539	1661	1803	1607	1600	1312	1485	1418	1844	2758	2251	2114	2004	2490	2946	3095	3940	4387	4397
1948	1087	1173	1121	1097	922	930	1157	899	1004	1343	6	1792	844	1088	1059	1126	1219	1228	1032	1160
1949	1113	1343	1606	1746	1823	1874	1915	1913	1943	1941	2047	1984	1977	2164	2195	2425	2731	2890	2995	3221
1950	2648	2360	2377	2328	2154	2617	2476	2333	2225	2257	1929	1680	1486	1625	1605	1512	2191	3900	4785	3688
1951	1594	1634	1469	1610	2029	1084	1520	1410	995	1322	1138	1463	1318	1359	1491	2022	1928	1587	1619	1817
1952	1277	1325	916	1270	951	864	750	1289	1202	1187	1575	791	1219	743	1238	1622	918	1949	1592	1521
1953	1424	1403	1427	1098	1399	1165	1524	976	1628	1672	1846	1871	2153	1965	1655	1796	1786	1337	1783	1997
1954	1661	1596	1350	1774	1518	1621	1704	1870	3903	5830	5157	3972	3487	2794	2687	2351	2465	2141	2149	2119
1955	1238	855	810	771	689	852	1053	825	1073	1090	911	753	703	859	801	639	1005	622	1032	895
1956	2003	2112	1793	1758	2375	2084	1968	2062	2267	1843	2094	534	1473	1789	1575	1532	2794	2508	3242	3040
1957	4123	3591	3195	2692	2752	2847	2741	2633	3376	3824	3272	3425	3264	2610	2484	2356	2937	2692	2435	2677
1958	2711	2292	1534	2014	1587	1821	1427	462	1364	2007	1669	1533	1372	1187	1512	1592	1702	1615	1484	966
1959	1347	1226	1556	1529	1516	1240	1499	1195	1614	1165	1314	1190	1181	1213	1124	1261	1144	1179	1514	1398
1960	542	205	1006	804	1774	1602	1592	3131	2084	1797	1142	1295	1393	1295	1246	1316	1171	1393	1605	2169
1961	1077	866	1028	766	1007	951	920	802	721	1030	889	760	1072	1030	1201	1853	1979	1822	1679	1707
1962	1049	1197	1208	1224	1313	1182	1182	1263	1223	1063	1227	919	1145	1117	1013	1035	840	1013	1065	1488
1963	1852	1424	1539	1426	1257	1316	1275	1289	1294	1300	1230	1406	1289	1145	1097	1202	1178	1097	975	1174
1964	1148	1300	1086	826	1021	1092	1000	921	880	942	914	991	952	976	930	898	898	1053	1260	1057
1965	3363	2531	2886	3330	1915	2782	2927	2909	3201	3372	3686	3471	3449	3504	3260	3404	3249	3515	3263	3161
1966	555	813	847	590	725	849	933	1013	1145	1359	1364	1367	1525	2089	2286	1956	1964	1501	1398	1306
1967	1299	1011	1084	1049	1057	1168	934	961	1182	1046	1284	890	1234	966	1046	1143	864	1245	1477	1530
1968	2792	2245	2276	2332	2344	2513	2468	2299	1915	2064	1796	1706	1724	1624	1721	1572	1751	1617	1471	1440
1969	1374	1522	1779	1495	1472	1668	1809	1314	1739	1442	1300	1354	1404	1549	1825	1505	1678	1997	1933	2171
1970	2210	2691	2439	2294	2009	1906	1858	2071	2538	2599	2349	2348	2168	2155	2372	2781	2896	2599	2411	2258
1971	2484	2082	2103	2397	2444	1473	2801	2055	2065	2089	2405	2602	3113	3489	3290	3062	2817	2738	2474	2389
1972	6302	4985	6083	7300	5401	5092	4896	4989	4829	5325	6749	8216	8522	9120	8603	8486	8855	9585	10958	10511
1973	1461	1947	1516	1502	1552	1347	1302	1335	1307	1204	1570	1453	1176	1243	1248	1031	1220	1647	1470	1176
1974	1611	1318	3388	1547	2006	2176	2417	2267	1439	2552	2520	1985	3351	3450	3187	3031	4072	5467	6791	5707

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

MARCH

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	1495	1480	1318	1384	1712	1967	1942	1942	1842	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,724
2	1860	1479	1688	1527	1468	1432	1411	1414	1442	1305	1575	1447	1464	1476	1546	1639	1988	2250	43,902
3	3825	3899	3451	3161	2860	2606	2820	2026	2818	2119	2521	3009	3789	5285	7156	9555	10692	9936	117,569
4	1248	1012	681	1196	1442	1446	1399	1366	1122	1135	1463	1179	1149	1154	904	1053	1094	1369	34,047
5	1746	1707	1520	1403	1519	1304	1172	1532	2260	2813	2856	2541	2242	2530	2320	2510	2290	2501	49,580
6																			
7	4131	3566	3217	2843	2526	2803	4144	5164	5371	5061	5103	4335	3767	4216	5462	6114	6618	5740	109,302
8	2004	2490	2946	3095	3940	4387	4397	4613	4661	4948	4541	3963	3837	3541	3553	3479	3709	3491	90,638
9	1088	1059	1126	1219	1228	1032	1160	913	1061	1117	1133	1514	1383	1382	1209	1543	2076	2080	36,698
10	2164	2195	2425	2731	2890	2995	3221	3356	3362	3405	3446	3169	2970	2672	2564	2194	2200	2233	73,417
11	1625	1605	1512	2191	3900	4785	3688	3185	3006	2879	2728	2773	2855	2715	2572	2294	1968	2237	77,388
12																			
13	1359	1491	2022	1928	1587	1619	1817	1817	2533	2601	2395	2538	3130	2173	4188	3971	3203	3578	62,536
14	743	1238	1622	918	1949	1592	1521	1790	1934	1937	1186	670	2625	2871	3377	3221	3833	3867	51,510
15	1965	1655	1796	1786	1337	1783	1997	1830	1830	1680	1877	2659	2967	2939	2966	3408	3928	5376	63,365
16	2794	2687	2351	2465	2141	2149	2119	2038	2091	1880	1993	2050	1942	2093	2397	2149	2100	2036	74,918
17	859	801	639	1005	622	1032	895	697	766	1108	680	593	1318	999	678	715	1696	1244	27,970
18																			
19	1789	1575	1532	2794	2508	3242	3040	4132	4481	5136	6000	7940	9559	9405	7304	6699	6295	6332	114,129
20	2610	2484	2356	2937	2692	2435	2677	3212	2855	2313	5227	3828	2810	2730	2830	2819	3563	4933	97,046
21	1187	1512	1592	1702	1615	1484	966	1708	2745	3029	2485	3276	3070	2627	2901	3040	2648	2967	62,347
22	1213	1124	1261	1144	1179	1514	1398	1351	1438	1455	1532	2174	1729	1953	1914	1953	2119	2248	46,271
23	1295	1246	1316	1171	1393	1605	2169	2912	2954	4985	5384	5531	6278	6291	6093	6142	5373	5910	86,415
24																			
25	1030	1201	1853	1979	1822	1679	1707	1843	1771	1679	2573	2414	2072	2459	1909	1971	1713	2051	45,615
26	1117	1013	1035	840	1013	1065	1488	1448	1494	1697	1184	1420	1506	1866	1960	2057	2053	2084	41,536
27	1145	1097	1202	1178	1097	975	1174	1040	1268	1551	1550	1465	1341	1408	2060	3680	2616	2208	45,952
28	976	930	898	898	1053	1260	1057	1249	1406	1255	1053	1190	1462	1286	1259	1359	1600	2345	35,609
29	3504	3260	3404	3249	3515	3263	3161	3016	2638	2899	2694	2360	2705	2885	2521	2452	2597	2820	92,765
30																			
31	2089	2286	1956	1964	1501	1398	1306	1606	1264	1195	1153	1196	1393	1945	2708	3152	3641	4142	48,980
32	966	1046	1143	864	1245	1477	1530	1035	1890	1650	1919	2011	1734	1842	1742	1882	2077	1538	41,790
33	1624	1721	1572	1751	1617	1471	1440	1393	1427	1439	1786	1871	2159	2044	1644	1850	1935	2378	59,646
34	1549	1825	1505	1678	1997	1933	2171	2118	2150	2522	3004	2684	2974	3391	4205	4209	5775	6602	71,964
35	2155	2372	2781	2896	2599	2411	2258	2199	2271	2312	2269	2611	2713	2642	2546	2636	2839	2460	74,510
36																			
37	3489	3290	3062	2817	2738	2474	2389	2693	2912	3301	3964	4499	5083	6644	6828	6589	6178	6684	105,747
38	9120	8603	8486	8855	9585	10958	10511	8869	8433	8962	9833	8996	7690	5841	5521	5227	4724	4390	223,233
39	1243	1248	1031	1220	1647	1470	1176	1452	1377	1530	1484	1892	1771	2001	1993	1827	1767	1659	46,460
40	3450	3187	3031	4072	5467	6791	5707	5690	5008	4136	5181	5086	5361	6178	7088	8492	8094	9297	129,893

NATURAL FLOW OF BOISE RIV
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	
1941	2764	3078	3048	3047	3476	3237	2958	2618	2631	2830	3468	3201	3339	3509	3396	3665	3394	3243	2963	2670	23
1942	2592	2973	3284	3741	4057	3785	3879	4215	4659	5444	6081	7073	8215	8731	9411	8204	6527	6620	6098	5858	651
1943	8908	10250	14430	14901	13749	13264	14663	16969	21255	18207	16138	16191	18504	20265	21625	22310	23229	25040	23312	22450	1872
1944	1584	1786	2125	2865	2726	3144	2693	2599	2622	2605	2376	3092	3326	2841	2721	2302	2377	2310	2015	2274	218
1945	2671	2430	2282	2132	2205	1890	2576	2192	2522	2329	2057	2075	2045	1985	2296	2082	2706	2855	3445	4460	6131
1946	6008	4982	4552	4717	4841	5216	6160	6164	6222	5847	5218	5919	7596	10219	12352	13581	14780	17389	18812	18660	15103
1947	4810	4145	4006	3747	3576	3468	3434	2289	3477	2684	2917	2808	3062	3230	4471	5632	6149	6379	6439	6284	6172
1948	1740	2024	2660	2967	2723	2292	2269	1997	1837	2190	2201	2152	2155	2437	2518	3724	5472	10555	8536	6896	6096
1949	2433	2870	3339	3555	4184	5078	5780	5966	6176	6527	6860	7696	7761	5943	5790	5886	7130	7765	9413	10308	8503
1950	2888	3787	4629	4125	4107	3895	4251	4659	5124	4670	5841	5821	6521	7418	7543	7141	8012	8713	9289	8968	9687
1951	3609	3674	4934	5892	7194	8634	9861	10722	10963	10960	10651	9941	9843	11541	11209	13094	10778	11159	11616	11612	10306
1952	3257	3410	3399	3712	4754	6669	8193	9277	7784	6989	6942	7143	8548	9935	11088	9967	10520	12544	14976	14725	12961
1953	4733	3869	3833	3881	4380	4107	4957	3346	3502	3669	2608	2514	2635	2480	1856	2836	2255	3181	3909	3531	6349
1954	1854	1675	1808	2259	3119	4933	5009	4438	4362	4339	3939	4072	4879	6936	7452	7233	7449	9296	10020	9628	8427
1955	1222	1007	1639	1090	1161	1218	1436	2087	2675	3028	3344	2583	1928	2156	1764	1674	1764	2184	2109	2192	1887
1956	6009	6148	5364	5584	5507	5628	5834	5774	5660	5795	7116	9006	9577	10213	11061	12390	13489	12607	12497	14959	15071
1957	4004	3798	3834	3820	4137	6579	6486	5838	5107	5772	8513	6589	6591	6719	6943	6944	6696	6323	6132	6122	6532
1958	2915	3061	3506	3911	3740	3464	3334	3515	3536	3412	4006	3696	4066	5274	6371	6712	7606	8555	9242	8944	8577
1959	2099	2218	3632	5010	5247	6138	6612	5665	4929	4560	4178	4443	4861	5598	5227	4912	4487	3814	3799	3649	3545
1960	4550	4339	4121	4393	5945	7785	10242	10483	10930	11165	10822	9142	7933	7136	6422	5500	4990	4575	4182	4772	4571
1961	2366	2240	3232	4486	4618	3349	3110	3004	2876	2080	2387	2187	2594	2392	2297	2346	2087	3175	4469	4050	3214
1962	2688	3256	3773	4444	4793	5065	5650	6288	5777	4682	4041	4147	4455	5557	6996	8598	8570	8559	9027	10169	11343
1963	2062	2080	1853	1701	1796	2279	4777	4708	3955	3481	3194	2874	2554	2882	3939	4432	3516	3092	2913	3106	2831
1964	3694	4487	3919	3680	4020	4352	3938	3744	3812	4341	5212	5891	4233	3896	4063	4865	5505	4471	4524	4556	4945
1965	3160	4099	6098	5322	5339	5508	6152	6046	6034	6833	6161	5868	5878	6459	7256	8547	10007	9260	8789	12273	16365
1966	5060	5170	5575	4908	4200	3951	4352	4745	4953	5404	5750	4817	4292	3703	3933	3753	4559	4971	4464	3739	3487
1967	1866	1502	1505	1523	1774	2302	2053	2040	2234	2257	2718	2728	2741	2944	3155	2986	2738	2389	2321	3000	2460
1968	2511	2859	3177	2985	2942	3113	2833	2578	2321	2242	2397	3013	2950	2904	2723	2773	2597	2521	2261	2381	2223
1969	8134	8871	9402	10143	10081	11500	13417	11777	9706	9890	10362	11117	10887	11770	11006	10361	10181	10526	12042	11193	10447
1970	2516	2247	2370	2248	2249	2650	3545	4343	3952	4006	5127	4799	4166	3991	3672	3831	2937	2884	3038	3283	3045
1971	7027	6466	6414	6492	6755	7533	8465	9539	9507	9374	8938	7977	7229	7614	8612	9736	10380	9911	9406	10088	11573
1972	4902	4876	5204	6512	6586	7497	9010	9080	8002	7873	7222	7185	6841	6296	5404	5886	5793	5712	5269	5138	5195
1973	1799	1699	1676	1667	1989	2187	2358	2523	2156	2317	2424	2511	2871	4685	4343	4046	4007	4027	3557	3194	2803
1974	9015	8408	6921	6284	5769	5585	5958	6075	6606	7119	7068	7847	7990	7280	7634	8467	9193	10399	11991	13264	13754

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

APRIL

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
3396	3665	3394	3243	2963	2670	2387	2370	2452	2699	3128	3201	3316	3543	4090	4429		94,150
3411	8204	6527	6620	6098	5858	6528	7779	8562	7355	6099	5718	5033	4620	3317	4353		170,811
1625	22310	23229	25040	23312	22450	18721	17930	15208	15482	14783	13616	12110	11161	14952	13643		503,266
2721	2302	2377	2310	2015	2274	2185	2348	2613	2821	3624	3471	3330	3282	3712	4231		82,000
2296	2082	2706	2855	3445	4460	6135	7701	6650	6101	5125	4326	3792	3729	3768	4622		101,184
2352	13581	14780	17389	18812	18660	15103	13559	11548	11850	13257	15441	16663	15853	14226	13167		319,902
4471	5632	6149	6379	6439	6284	6172	6318	6123	6001	5481	5356	5760	6190	6992	7300		144,700
2518	3724	5472	10555	8536	6896	6096	9614	8938	6732	6461	5890	5108	4452	4411	5165		132,212
5790	5886	7130	7765	9413	10308	8503	7089	8258	8197	10023	9325	8906	9226	9241	9046		208,274
7543	7141	8012	8713	9289	8968	9687	11164	11174	10063	7848	7196	6937	7247	6579	6012		201,309
11209	13094	10778	11159	11616	11612	10306	9734	8254	8001	8088	7476	7865	8281	11575	11017		278,484
11088	9967	10520	12544	14976	14725	12961	12931	13206	13984	17015	18667	22302	23429	21634	18984		338,945
1856	2836	2255	3181	3909	3531	6349	7202	9882	9941	10535	9020	9669	11656	12779	9568		164,683
7452	7233	7449	9296	10020	9628	8427	7933	8059	8101	8442	8974	8939	9397	9390	8438		190,860
1764	1674	1764	2184	2109	2192	1887	2528	3387	3314	2892	2590	2950	2668	2198	2241		64,916
11061	12390	13489	12607	12497	14959	15071	16939	17221	16150	15141	13577	15057	13854	13131	11892		318,251
6943	6944	6696	6323	6132	6122	6532	6317	6556	6892	6880	6243	5500	5385	5949	7427		180,628
6371	6712	7606	8555	9242	8944	8577	9218	8207	6997	6108	5368	4938	4630	4415	4565		161,889
5227	4912	4487	3814	3799	3649	3545	3737	3918	3864	4659	5445	6322	5600	5174	5025		138,367
6422	5500	4990	4575	4182	4772	4571	4417	4662	3847	4034	3759	3422	3729	3741	3885		179,494
2	2297	2346	2087	3175	4469	4050	3214	3265	3260	2072	2364	2358	2186	2368	2765	2835	86,032
7	6996	8598	8570	8559	9027	10169	11343	9548	8780	8620	9355	8675	8000	8306	8152	6612	203,928
2	3959	4432	3516	3092	2913	3106	2831	2487	2413	2531	2412	2571	2858	3276	3528	4028	90,149
6	4063	4865	5505	4471	4524	4556	4945	5258	5310	4826	3814	3665	3757	3326	3702	5277	131,083
9	7256	8547	10007	9260	8789	12273	16365	20258	20854	18531	17595	17086	16351	16794	16995	16772	312,090
3	3933	3753	4559	4971	4464	3739	3487	3107	2968	2830	2930	3267	3397	3332	3001	3533	124,151
4	3155	2986	2738	2389	2321	3000	2460	2426	2157	2105	2099	2106	2198	2209	2604	2075	69,215
4	2723	2773	2597	2521	2261	2381	2223	2203	2018	2000	2170	2313	2169	2227	2288	2672	76,364
10	11006	10361	10181	10526	12042	11193	10447	10772	13232	15935	15071	12032	10124	9214	8729	9170	327,092
11	3672	3231	2937	2884	3038	3283	3045	2800	2837	2752	2863	2746	2808	2580	2584	2565	94,834
4	8612	9736	10380	9911	9406	10088	11573	12622	12336	11545	10590	9870	9505	9295	9328	10054	274,181
36	5404	5886	5793	5712	5269	5138	5195	5746	5820	6000	6891	6703	6355	6855	8157	9127	197,137
35	4343	4046	4007	4027	3557	3194	2803	2668	2804	2852	3103	3434	3780	4282	4433	4160	90,355
30	7634	8467	9193	10399	11991	13264	13754	13420	13766	15710	17437	17801	15525	12624	11024	10023	299,957

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	
1941	4890	5168	5018	5531	5646	5678	4968	4609	4612	4908	4367	5129	7386	8408	7496	6193	5543	5536	5708	5101	480
1942	3999	4010	3767	3545	3454	3481	3320	3456	3734	4349	4477	4364	4144	4097	4044	4151	4093	3815	3906	3693	404
1943	13118	14472	15282	15085	15650	14752	12884	11194	10220	10225	9810	9272	8431	8266	7851	7404	7311	7009	6906	7316	804
1944	4472	4415	3900	3741	3793	4412	5143	5600	5514	5168	5134	5178	5509	6077	7059	7632	7270	6542	5688	5036	436
1945	5984	6978	8661	10592	11644	10720	9978	9101	9082	9218	10489	9101	8230	8448	7555	6677	7216	7208	6601	5903	5382
1946	11798	10583	10259	10837	12416	13481	13844	13260	12128	11745	10582	10286	9306	9563	9170	9087	9507	10011	10750	10746	10134
1947	6899	7787	10947	11509	11660	11547	11766	12725	13838	11347	10891	9953	8473	7965	7504	7733	7063	7056	7143	6705	7403
1948	4839	4538	3728	4393	4204	4307	5953	6539	6472	5797	5101	4613	5081	5491	6409	7046	8026	10024	11750	12004	11158
1949	8007	7859	7339	6690	6507	6211	6444	7197	8178	9179	9784	10290	11540	11885	12413	12829	11584	12100	11233	10978	10319
1950	5296	6568	5497	6494	5130	5004	4336	4438	5086	4557	5445	5562	6917	9553	11897	13368	13673	12924	12338	9612	9297
1951	9166	8345	7297	7238	7299	8201	9727	12301	11980	12328	12460	13137	12371	10539	9707	8739	9206	10377	11258	11492	11650
1952	14339	15047	16512	18001	18955	15799	16476	15533	15390	15082	14555	13359	16047	16522	16170	14230	12349	11652	12802	12544	13861
1953	7935	6443	5512	5136	4792	6975	7543	8156	7593	6041	6151	5339	5134	5266	5443	5816	6208	7529	7119	9554	9160
1954	7649	6395	5818	6257	6124	8165	8936	9704	10854	11776	13307	12854	11973	11088	10493	10814	11452	12331	12276	13444	14660
1955	3601	4105	4040	3296	4134	5011	6697	7088	8417	8309	7326	7939	7918	7917	6984	5892	4734	4318	4549	5889	7548
1956	10218	10200	9871	10211	10496	10826	11384	10702	11094	11328	10238	9987	8960	8698	7933	8258	9716	11258	14370	15780	16976
1957	9409	10872	11712	11176	10375	9666	11185	12224	12850	12759	13083	12803	13328	13687	13506	13044	13377	13270	16619	16752	16930
1958	4928	6924	8263	9839	11248	13513	14715	13949	13445	14578	15390	17413	17483	14213	12587	12839	12626	15234	17097	18188	21234
1959	5870	7805	6827	6045	5108	4994	4463	4717	4858	5013	4497	4591	4796	5934	7832	9040	7963	7080	6054	5228	4541
1960	3922	4261	4763	5023	5203	5127	5294	6438	6965	6909	8763	10699	11842	11130	8927	7912	7473	6667	6028	5170	5073
1961	3605	3983	4617	4084	4042	3808	3334	2429	3246	2857	4098	3591	3619	3057	3477	4048	3907	4219	3877	4241	5448
1962	5923	5454	5382	5560	6148	6512	7110	7186	8119	8257	8418	8076	7119	6456	5976	6170	5872	5189	5656	6199	6284
1963	5324	5703	5653	5674	5329	5798	6273	6450	6695	6577	6139	5546	5105	5078	4751	4947	5387	5940	6881	8164	8736
1964	7016	7799	6326	5226	4862	4139	4017	4340	4358	4562	5850	6130	6761	7602	8271	8506	9883	9949	9920	10053	10938
1965	20503	19705	17118	14545	13382	11788	10434	8291	9438	8986	8298	9611	11222	12687	14355	15060	15555	16142	15059	14140	14144
1966	2953	2974	3397	4545	5655	6340	7666	8082	7676	8225	7761	7303	5982	5063	5044	4127	4032	3783	3695	3808	4193
1967	1974	1734	1825	2055	2322	2523	3457	4587	6759	7886	8157	6279	5159	4313	4099	5150	7036	9056	10116	11138	11392
1968	3707	3910	4448	4102	4785	4681	3950	3401	3149	3253	3505	3978	4484	4568	4186	3518	2842	3045	3392	3991	6212
1969	8412	8161	7515	7224	7211	8197	9647	11346	12959	14478	15175	15306	15251	14736	15503	15133	14151	12841	13059	12634	11537
1970	2640	2864	3509	4953	6718	8831	10103	11354	7914	8348	8112	6708	6292	4875	5453	4900	6311	9647	13481	13590	13932
1971	10959	12680	15962	18576	18600	18022	17645	17624	17953	17779	17985	18414	18989	20253	19203	17182	16564	14143	12074	10706	9830
1972	8101	7530	7725	8999	10745	12437	12976	14066	14162	12567	11829	11362	11766	12342	13746	14976	15526	16345	14871	13565	13181
1973	3885	3718	3588	3820	3943	4076	4000	4508	5044	4767	4554	4346	4571	5147	5508	6605	7449	8334	9289	9555	8720
1974	11706	12060	13114	13253	13694	14674	15830	16728	18469	18091	16513	13957	12490	11386	9885	8978	7937	7541	7054	6713	6493

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

MAY

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
7886	8408	7486	6193	5543	5536	5708	5101	4809	4875	5676	6643	7222	7181	8861	8155	6497	5834	5620	182,668
8122	8287	8084	8131	4093	3815	3906	3693	4044	4664	6595	9166	8745	10608	10690	8987	7899	6931	6560	162,788
8831	8886	7831	7404	7311	7009	6906	7316	8041	8831	10237	12494	14458	14525	16433	15392	15465	16213	16835	361,402
8308	6077	7839	7632	7270	6542	5688	5036	4361	4248	4142	3824	3550	3409	3269	3789	3721	4432	5576	151,604
8830	8448	7333	6877	7216	7208	6601	5903	5382	5033	4993	5600	6638	6372	6538	6147	6432	6932	7120	236,573
6308	8323	8170	9087	9507	10011	10750	10746	10134	9995	10297	9414	8760	8863	10914	10528	10264	9346	7956	325,830
8873	7953	7904	7733	7063	7056	7143	6705	7403	7922	7782	7407	7316	7548	7862	8080	7846	6708	6497	272,882
8081	8281	8089	7046	8026	10024	11750	12004	11158	9708	9347	9066	9469	11787	12502	14185	15260	13357	11342	252,896
11300	11883	12413	12829	11584	12100	11233	10978	10319	9262	8496	8361	7507	8278	8103	9373	9361	9521	9007	285,835
6017	8333	11887	13368	13673	12924	12338	9612	9297	10852	12137	13534	13021	11443	11008	11542	11799	11588	11627	281,543
10374	10339	9707	8739	9206	10377	11258	11492	11650	11353	12580	12793	13796	12825	12646	13881	14065	12879	10811	342,447
10047	12322	18170	14230	12349	11632	12802	12544	13861	13677	12966	11778	13056	14013	15735	13838	14449	13520	12560	450,817
3134	3086	3143	3816	6208	7529	7119	9554	9160	7865	7064	6757	5481	5115	4725	4821	8039	6181	6898	201,791
11073	11088	10423	10814	11432	12331	12276	13444	14660	13697	11100	9763	8933	8649	7664	6614	5783	5228	4974	298,775
7918	7917	8384	5892	4734	4318	4549	5889	7548	9905	9657	8668	7661	6974	6186	5930	5467	5763	6712	198,635
8080	8088	7933	8238	9716	11238	14370	15780	16976	18860	19581	20134	22949	20931	19423	19484	17472	16500	16839	420,677
13308	13087	13306	13044	13377	13270	16619	16752	16930	12150	11422	10232	9263	8974	9657	10360	11241	12253	12791	376,970
12483	12813	12387	12839	12626	15234	17097	18188	21234	21745	21221	20507	20419	18831	18502	18827	17475	15608	14326	473,187
4708	3834	7832	9040	7963	7080	6054	5228	4341	4930	4240	4322	4512	4193	4039	4271	4133	3980	3901	165,797
11848	11130	8827	7912	7473	6667	6028	5170	5073	4941	4367	4461	3891	3735	3766	3948	4148	4736	5599	187,181
3618	3037	3477	4048	3907	4219	3877	4241	5448	5761	5954	6612	7773	7721	7830	7495	6624	6442	7610	149,409
5118	6430	3976	6170	5872	5189	5656	6199	6284	6047	5717	6431	7609	7251	7021	6491	6557	6308	6731	203,229
3103	3078	4751	4947	3387	5940	6881	8164	8796	9586	10149	11480	11183	10794	10233	9380	9276	9198	9029	226,458
8781	7802	8271	8306	9883	9949	9920	10053	10938	10763	9732	8614	7798	7008	7457	7523	7869	7611	7757	228,640
11022	10887	14333	15080	15355	16142	15059	14140	14144	14677	15194	15156	14067	12773	11853	12018	12361	13826	15728	418,116
3088	3083	3044	4127	4032	3783	3695	3808	4193	4794	5282	4618	4260	4233	4797	5317	5925	6032	6015	163,577
3120	4313	4099	5150	7036	9036	10116	11138	11392	11900	13697	15178	15598	14202	11443	10418	11078	11004	10037	241,572
4284	4388	4186	3518	2842	3045	3392	3991	6212	6092	5605	4966	4677	4540	3949	3628	3703	4058	5318	129,643
13031	12136	13303	13133	14151	12841	13059	12634	11537	10399	10076	10967	11394	12672	13146	12396	10897	9837	9901	362,161
8088	4873	3453	4900	6311	9647	13481	13590	13922	12633	11660	14472	13140	13797	14685	14847	12533	10667	9541	288,505
18088	20833	18203	17182	16504	14143	12074	10706	9830	9058	8672	8910	9231	10126	12161	14400	15838	16027	15741	461,307
11300	12342	13746	14976	15526	16345	14871	13565	13181	12620	11234	10194	9774	9868	9772	10727	12353	14460	16312	376,131
8331	3157	3508	8603	7449	8334	9289	9555	8720	7848	6641	6196	6364	6991	5801	4988	4634	4548	4671	174,109
10490	11388	9885	8978	7937	7541	7054	6713	6493	6444	6581	7363	8120	9812	12265	16170	16950	15057	13059	368,387

NATURAL FLOW OF BOISE RIV
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
1941	5876	5273	4713	4985	5028	4885	5212	6341	5866	5148	4826	4982	5120	5417	5474	5217	4718	4390	4612	4450
1942	6271	5752	5626	5932	6318	6766	8006	9385	9868	9502	8497	7225	6400	6171	6105	6822	6402	5525	5420	5117
1943	15587	14754	12962	11286	10258	8909	8350	8004	7816	8370	9666	10493	11513	11171	10305	10063	9048	9978	11871	12584
1944	5791	5553	5041	4788	4389	4168	4099	4084	4583	4943	4477	4254	4137	4007	4063	4095	4112	3762	3506	3582
1945	7248	7584	8171	8810	8477	7996	7594	7816	6873	8299	7485	6911	6696	6727	6164	5678	5343	5416	5806	6460
1946	7950	7533	7763	9115	10131	9775	8965	8249	7785	7457	7621	6965	6209	6199	6482	6365	5913	5539	5244	5054
1947	7015	6887	6980	6014	5562	5299	5299	5342	6372	6867	5991	5421	4350	4903	4539	4785	4962	5051	5334	5103
1948	10513	10900	11606	12316	11288	11163	11210	10962	10880	10534	10190	9669	9047	8398	7682	7075	6428	5872	5495	4918
1949	8699	7652	6364	5665	5905	5817	6324	6597	7045	7415	7043	7446	6959	6315	5459	4899	4940	4153	3798	3618
1950	11474	11539	11330	10773	10648	10989	11703	11065	9479	8074	7526	8071	8765	7834	8115	8634	9085	9759	8926	9710
1951	9487	8447	7815	6970	6177	7805	6913	6277	5708	5396	5479	6034	7203	7536	8584	9851	10463	10017	9533	8705
1952	12410	11937	11735	13213	13471	13830	13581	13854	11973	12614	10938	10492	7689	7938	7471	7157	6311	6438	5554	6755
1953	9429	7336	8969	8880	9395	9933	9685	11613	6482	8841	9177	10758	13803	14790	13028	11255	11285	12359	12650	11478
1954	5209	4707	4385	4038	4415	4753	4700	4500	4322	4429	4617	4547	4386	4684	5270	6412	6806	6022	5342	5289
1955	6665	6734	6046	6080	6573	7172	8291	9501	10435	10478	10018	10242	9799	9361	7923	7971	6687	6408	5760	5810
1956	18159	18296	16328	15324	13984	11825	10740	10140	10421	11121	11715	11500	10650	10277	9793	9658	7847	7102	6561	7223
1957	12988	13502	14147	15587	15865	15921	15212	13000	11902	10310	9070	8717	8409	7862	6677	6235	5575	5046	5094	5582
1958	12658	11471	10461	10328	9988	9513	10055	10402	10499	10045	9345	8848	9282	8774	8230	7494	8033	8428	8462	8155
1959	3900	4148	5030	5848	6420	7308	8523	8266	7246	6374	6120	5707	6829	8182	8097	7934	6442	6576	6556	6426
1960	6567	7981	8868	9307	9141	8558	7911	7947	7246	6584	6157	6056	6043	5954	5896	6316	5860	5021	4575	4208
1961	6072	5981	6129	5680	5377	5919	5686	5769	5332	5475	4961	4923	5095	3585	4531	3622	3459	3333	3142	2892
1962	6631	6960	7599	8823	7722	6930	6095	5618	5331	6174	7207	8450	8969	8377	7798	7656	8035	7180	7671	7908
1963	9315	8852	8018	7732	7905	7631	6881	6681	6484	7143	6852	6110	6453	7112	7817	8486	8495	8559	7644	7509
1964	6911	7508	8650	8393	8594	8456	9027	9249	8072	7337	6629	6329	5640	5471	5789	6545	8214	7688	7064	6263
1965	16246	14692	14116	15031	15908	15845	16184	15912	16274	16537	16415	16777	16910	15016	12332	10399	9527	8926	8747	8667
1966	5469	4699	4352	3907	3554	3315	3194	3320	3144	3452	3537	3384	2879	2756	2790	3020	3044	3263	2217	3257
1967	8946	10050	9084	8166	7859	9244	9134	8763	9211	9332	8758	9028	8307	7998	7893	8286	8955	9786	9938	10077
1968	5100	4910	5643	7048	6327	5870	6614	5669	6051	5767	5440	5346	5280	4985	4435	4095	3986	4249	4532	4845
1969	10112	9092	8696	8950	9641	10373	10259	9591	8927	8699	8725	8109	7055	6745	6116	5838	5487	4878	4772	4808
1970	8806	8826	10123	11832	13419	13226	12755	12989	13370	13097	10574	8591	7795	7415	7225	6986	6598	6511	6717	7629
1971	14218	12808	11211	9900	9184	8962	8976	9707	11593	13300	13351	13007	12901	13363	13599	12558	12176	12155	11893	11074
1972	17776	19559	19285	17750	16619	15280	15631	17421	18600	18558	18508	16036	13337	11331	10927	11285	11641	11630	11040	9378
1973	5003	5023	4986	4391	4411	4039	4259	4626	4936	4953	4948	4222	3795	3862	5323	4665	3728	3541	3221	3029
1974	11987	12621	13206	14533	15324	16517	14309	12132	10462	9923	10421	11847	13767	15788	16574	17560	18375	17685	16711	15889

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

JUNE

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
5417	5474	5217	4718	4390	4612	4450	4067	3541	3436	3300	3016	3077	2668	2626	2656	2468		133,388
6171	6105	6822	6402	5525	5420	5117	4791	4453	4427	4650	4756	4886	4527	4024	3862	3701		181,187
11171	10305	10063	9048	9978	11871	12584	11249	10070	10859	10635	9768	9435	9483	9715	9920	9755		313,877
4007	4063	4095	4112	3762	3506	3582	3888	3933	3924	3606	3689	3732	3741	3684	3228	3004		123,863
6727	6164	5678	5343	5416	5806	6460	7091	7389	7317	7137	6538	6633	5948	5117	4311	3963		202,998
6199	6482	6365	5913	5539	5244	5054	5103	5241	4827	5035	4566	3994	3917	3467	3541	3406		189,411
4903	4539	4785	4962	5051	5334	5103	4814	4215	3548	3663	3798	3631	3738	3324	2971	2842		148,620
8398	7682	7075	6428	5872	5495	4918	5009	5523	4938	4634	4327	4182	4086	3875	3657	3476		229,853
6315	5459	4899	4940	4153	3798	3618	3623	3421	3111	3262	3094	3073	2911	2608	2619	2377		152,212
7834	8115	8634	9085	9759	8926	9710	9794	10318	10052	8978	7742	6845	5212	6581	6984	8136		274,141
7536	8584	9851	10463	10017	9533	8705	8506	7929	7085	6458	6370	5833	6313	5807	5948	5641		220,290
7938	7471	7157	6311	6438	5554	6755	6336	5379	5548	5239	5379	5419	5276	5236	4724	5238		259,141
14790	13028	11255	11285	12359	12650	11478	10079	9422	9291	9365	9096	8038	6925	6975	6895	7246		294,478
4684	5270	6412	6806	6022	5342	5289	5580	6370	6892	7729	7691	7429	9902	7880	6139	5388		169,833
9361	7923	7971	6687	6408	5760	5810	6345	6853	6183	6245	5718	4168	4196	3928	3926	4104		209,680
10277	9793	9658	7847	7102	6561	7223	7256	7356	6144	6500	5871	6087	5776	5995	6042	5603		291,294
7862	6677	6235	5575	5046	5094	5582	5913	5501	5085	5021	5504	4690	5069	5091	5358	5073		259,006
8774	8230	7494	8033	8428	8462	8155	7722	7191	7000	6967	7002	5680	5318	4764	4585	4083		250,783
8182	8097	7934	6442	6576	6556	6426	6383	6351	6145	5574	4988	5223	4157	3920	3117	3288		181,078
5954	5896	6316	5860	5021	4575	4208	3939	3374	3303	3094	3080	2997	3013	2624	2403	2652		166,675
3585	4531	3622	3459	3333	3142	2892	2500	2296	1987	1932	1762	1738	1707	1359	1273	1116		114,693
8377	7798	7656	8035	7180	7671	7908	8388	7736	7496	6954	6273	6728	6529	5658	5148	4655		212,699
7112	7817	8486	8495	8559	7644	7509	7389	7767	6572	5182	5102	4624	4128	4222	4718	4569		205,952
5471	5789	6545	8214	7688	7064	6263	5613	5641	4962	5106	5478	6052	6564	6288	5414	4981		203,928
15016	12332	10399	9527	8926	8747	8667	9854	10825	11692	12609	12340	11663	12206	10268	9026	8500		389,444
2756	2790	3020	3044	3263	2217	3257	2621	2356	2282	2305	2040	1778	1922	1774	1448	1945		89,024
7998	7893	8286	8955	9786	9938	10077	10865	11815	10859	7954	7429	7070	7048	7771	6969	6458		263,053
4985	4435	4095	3986	4249	4532	4845	4930	4259	3836	3591	3245	3090	2746	2428	2670	2316		139,303
6745	6116	5838	5487	4878	4772	4808	4738	4423	4257	4487	4931	4323	3767	3780	3292	3237		198,108
7415	7225	6986	6592	6511	6717	7629	8162	9474	9971	10012	9529	8723	8315	8810	8764	9516		285,754
13363	13599	12558	12176	12155	11893	11074	11105	12423	13466	13930	12600	11922	13434	11743	9688	8060		354,307
11331	10927	11285	11641	11630	11040	9378	8434	8052	8097	8094	7515	6809	6039	5751	6068	6327		372,778
3862	5323	4665	3728	3541	3221	3029	2720	2718	2667	3068	2621	2614	2610	2620	2538	2404		113,541
15788	16574	17560	18375	17685	16711	15889	14625	12308	11865	11527	11669	11317	10216	8706	8015	7979		393,858

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
1941	2322	2243	2092	1988	2114	1578	1751	1612	1641	1462	1425	1359	1289	1414	1279	1385	1197	1289	1147	1133	1088
1942	4013	4240	4155	3775	3793	3472	3324	3084	2814	2736	2424	2238	2108	2075	1941	1913	1883	1732	1679	1609	1571
1943	10045	9693	9197	9300	8879	8231	8048	8399	8360	7942	7292	6508	5908	5338	5040	5053	4694	4405	4363	4274	4063
1944	3009	3102	2688	2700	2403	2513	2184	2012	1856	1998	1809	1680	1737	1605	1432	1576	1544	1403	1508	1233	1387
1945	3718	3569	3697	3642	3538	3165	3117	2943	2881	2900	2523	2409	2555	2355	2179	2136	2081	1791	1789	1709	1623
1946	3334	3363	3476	3227	3104	2957	2713	2600	2587	2373	2385	2246	1949	1825	1810	1555	1820	1720	1568	1480	1659
1947	2782	2548	2736	2656	2687	2532	2413	2406	2537	2125	2244	2144	1825	1807	1814	1681	1557	1504	1404	1350	1360
1948	3652	3480	3149	2965	2676	2504	2408	2250	2112	2067	1859	1818	1814	1796	1500	1614	1522	1362	1355	1287	1384
1949	2294	2260	2150	2128	2121	2094	2269	2067	1736	1699	1705	1662	2302	1357	1481	1440	1295	1244	1104	1083	1457
1950	8217	8402	7729	7344	6707	6356	6114	5721	5235	4323	5143	3939	3924	3506	3215	3369	3035	2818	2518	2452	2039
1951	5444	5458	5281	5084	5275	4488	4558	3960	3758	3835	3622	3408	3003	2998	2845	2940	2681	2766	2448	2407	2338
1952	4669	4151	3932	4208	4487	3143	3848	3333	3218	3076	3152	3534	3300	3177	2507	2564	2219	2354	2504	2070	2245
1953	7247	7169	6741	6586	6778	6412	6905	5985	6033	5369	5284	5022	4683	4618	4497	3800	3229	3205	2872	2749	2313
1954	5109	4877	4529	4360	4410	4445	4208	4228	3523	3367	3170	3119	2958	2756	2748	2948	2581	2549	2358	2044	1968
1955	3473	3184	2743	2676	3036	2560	2832	1883	2303	2361	2751	2133	2506	2465	2116	2312	2027	2196	1963	1824	1660
1956	5291	4759	4458	4281	3976	3916	3949	3804	4021	3266	3583	3423	3858	2854	3341	3069	2438	2619	2616	2203	2504
1957	4843	4563	4422	3840	3605	3299	3239	2994	2949	2714	2453	2702	2577	2035	2157	2286	1967	1814	1697	1672	1751
1958	4113	3444	3513	3324	3253	3197	2988	2733	2786	2580	2621	2242	2188	2170	2145	1957	2225	1777	2134	1720	1808
1959	3072	2569	2524	2726	2485	2262	2345	2267	2176	1814	1888	1902	1746	1671	1528	1795	1538	1323	1340	1423	1235
1960	2124	2136	2040	1947	2087	2086	1714	1753	1572	1647	1421	1451	1151	1476	1242	1473	1079	1247	1136	881	925
1961	1011	985	1669	1329	1260	1002	1311	1066	1021	998	969	1002	1020	995	836	799	900	608	773	776	761
1962	4588	4326	3991	3533	3329	2993	3096	2914	2549	2827	2431	2345	2388	2241	2261	2074	1950	1682	1772	1638	1631
1963	3998	3563	3599	3904	3691	3719	3327	3187	3107	3029	2802	2678	2461	1975	2595	2369	2138	1952	1565	2216	1769
1964	4714	4550	4525	4187	3895	3671	3589	3167	3082	3028	2813	2609	2443	2385	2277	2153	1898	2106	1857	1805	1549
1965	8567	8759	8336	7977	8208	8593	7919	8033	7635	7867	7118	6426	5829	5229	4902	4894	4779	4570	4694	4397	3995
1966	1886	1177	1436	1410	1416	1123	1226	1007	786	1108	954	998	862	830	693	651	723	718	165	441	1046
1967	6365	5985	5564	5221	5065	4523	4248	3494	3490	3228	3156	2900	2696	2511	2369	2167	2259	2542	2208	2163	1787
1968	2081	1686	1727	1601	1587	1725	1527	1446	1560	1511	1451	1454	1379	1238	1136	1126	1183	1103	1034	984	999
1969	2880	2804	2607	2747	2705	2799	2862	2818	2615	2496	2422	2256	2519	2231	2174	2064	1912	1829	1757	1761	1581
1970	7292	5629	5432	5384	5233	5293	4873	4392	4056	3828	4584	4173	3339	3265	3018	2664	2800	2501	2534	2096	2128
1971	7281	7332	7399	7436	7164	6518	6245	6152	5755	5754	5905	5427	5030	4878	4753	4678	4518	4564	4287	4264	4082
1972	6486	6094	5750	5201	4973	4693	4811	4621	4291	3993	3638	3563	3437	3376	3240	3175	2773	2727	2538	2483	2318
1973	2191	1957	2107	1641	1735	1670	1405	1597	1160	1039	1420	1170	1143	220	2350	1164	1071	930	879	874	1083
1974	7807	7697	7274	5735	5458	5419	5174	4806	4798	4544	4369	4287	3806	3680	3272	3686	3475	3230	3045	2972	2856

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

JULY

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
414	1279	1385	1197	1289	1147	1133	1088	1083	963	926	1012	892	902	1157	1139	933	911		42,726
075	1941	1913	1883	1732	1679	1609	1571	1554	1484	1454	1446	1187	1385	1049	1274	1118	1026		69,556
338	5040	5053	4694	4405	4363	4274	4063	4189	4169	4086	3455	3563	3448	3226	3148	2845	2638		179,799
605	1432	1576	1544	1403	1508	1233	1387	1378	1418	1156	1221	1478	966	1054	1095	973	1045		53,163
355	2179	2136	2081	1791	1789	1709	1623	1644	1471	1533	1244	1340	1233	1203	1196	1261	1075		69,520
825	1810	1555	1820	1720	1568	1480	1659	1496	1298	993	1320	1493	1484	1485	1165	1225	1250		62,960
807	1814	1681	1557	1504	1404	1350	1360	1328	1160	1145	1128	1112	1097	1080	1063	1065	1033		55,323
736	1500	1614	1522	1362	1355	1287	1384	1228	1237	1222	1077	966	900	890	920	918	814		54,686
357	1481	1440	1295	1244	1104	1083	1457	1190	1125	1093	972	902	866	925	1033	829	888		46,771
3506	3215	3369	3035	2818	2518	2452	2039	2219	2040	2053	1089	1902	1736	1862	1755	1529	1408		119,699
2998	2845	2940	2681	2766	2448	2407	2338	2136	2073	1912	1688	1956	1755	2221	1677	1978	1541		97,534
3177	2507	2564	2219	2354	2504	2070	2245	1904	2106	1989	1965	1657	1702	1726	1596	1745	1668		85,749
4618	4497	3800	3229	3205	2872	2749	2313	2386	2327	2097	2154	1909	1883	1931	1769	1604	1678		127,235
2756	2748	2948	2581	2549	2358	2044	1968	2099	1813	1878	1733	1851	1694	1647	1759	1341	1439		89,509
2465	2116	2312	2027	2196	1963	1824	1660	1616	1489	1732	1628	1422	1295	1371	1533	1355	1424		65,869
2854	3341	3069	2438	2619	2616	2203	2504	2516	2360	1941	2194	2032	1974	1712	1981	2036	1447		94,422
2035	2157	2286	1967	1814	1697	1672	1751	1647	1587	1464	1439	1282	1464	1299	1329	1487	1576		74,153
2170	2145	1957	2225	1777	2134	1720	1808	1779	1840	1407	1817	1355	1617	1566	1465	1556	1913		71,233
1671	1528	1795	1538	1323	1340	1423	1235	1495	1201	1170	873	1127	1052	1108	666	1108	1019		52,448
1476	1242	1473	1079	1247	1136	881	925	1132	1104	584	876	763	730	589	1024	392	1005		40,787
995	836	799	900	608	773	776	761	733	754	752	665	630	685	1082	739	562	717		28,410
2241	2261	2074	1950	1682	1772	1638	1631	1608	1368	1597	1457	1536	1890	1523	1366	1343	1209		71,456
1975	2595	2369	2138	1952	1565	2216	1769	1624	1606	1690	1171	1802	1460	1420	1351	1334	1282		74,384
2385	2277	2153	1898	2106	1857	1805	1549	1557	1453	1408	1667	1211	1226	1359	1360	1432	1497		76,473
3229	4902	4894	4779	4570	4694	4397	3995	3836	3732	3302	3244	3072	2685	2903	2907	2458	2616		169,482
830	693	651	723	718	165	441	1046	946	382	687	753	720	706	535	532	324	759		27,000
2511	2369	2167	2259	2542	2208	2163	1787	1969	1560	1847	1547	1603	1332	1325	1297	1093	1127		88,641
1238	1136	1126	1183	1103	1034	984	999	879	896	922	911	1020	879	487	831	779	921		38,063
2231	2174	2064	1912	1829	1757	1761	1581	1634	1559	1510	1529	1507	1606	1338	1421	1308	1237		64,428
3265	3018	2664	2800	2501	2534	2096	2128	2180	2213	1894	1960	1949	1611	1681	1604	1651	1519		102,776
4878	4753	4678	4518	4564	4287	4264	4082	3635	3617	3627	3224	2824	2736	2628	2447	2338	2220		148,718
3376	3240	3175	2773	2727	2538	2483	2318	2345	2582	2001	2087	1963	1995	1925	1795	1762	1623		104,259
220	2350	1164	1071	930	879	874	1083	1208	950	1069	876	838	869	704	1036	562	636		37,554
3680	3272	3686	3475	3230	3045	2972	2856	2716	2595	2555	2170	2144	2124	2070	1883	1859	1862		119,368

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

AUGUST

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1941	991	891	848	894	776	760	706	873	706	600	740	1357	1754	1117	913	854	877	861	1240	962
1942	1036	1059	1043	1031	827	1049	826	849	949	769	890	705	837	672	906	639	617	718	677	567
1943	2472	2509	2404	2325	2303	2145	2016	1848	1868	2033	1608	1490	1672	1704	1570	1432	1519	1397	1520	1192
1944	1032	1089	1124	1007	865	917	731	675	1018	820	650	665	674	707	647	621	644	703	619	499
1945	1113	1029	1248	985	1109	992	1039	1307	979	988	1084	926	890	840	788	853	767	801	635	735
1946	1325	1289	1241	1032	1020	1124	1138	993	947	870	867	870	895	684	933	734	989	590	772	811
1947	865	900	972	902	913	857	796	799	631	735	737	761	649	733	699	698	696	695	693	692
1948	822	842	841	811	789	782	775	759	748	745	751	751	735	715	694	697	693	695	693	682
1949	714	1286	686	531	614	519	568	576	606	736	686	737	708	848	758	765	892	780	745	690
1950	1557	2489	1707	1301	1602	1840	1591	1597	1323	1350	1472	1452	1300	1400	1136	1127	1017	1025	949	976
1951	1515	1604	1521	1631	1721	1769	1389	1309	1254	1341	1165	1414	892	1130	968	867	816	1110	976	759
1952	1299	2104	1336	1563	1186	1213	1262	1486	1364	1243	1214	1188	998	1392	1495	804	823	1077	948	1009
1953	1536	1670	1619	1409	1501	1490	1492	1230	1206	1197	1027	1203	1314	962	1178	1293	1130	1048	1017	1208
1954	1329	1415	1293	1140	1100	1350	1152	1263	1219	1191	1196	1103	1273	1139	1300	876	1135	770	1052	746
1955	1282	1295	1107	861	947	833	1200	965	1143	1146	997	809	846	1051	1203	731	925	877	966	1004
1956	1502	1545	1457	1749	1389	1216	1096	1426	676	1244	947	914	1199	1038	808	1095	1214	222	1164	474
1957	1264	1088	1165	1007	1461	709	1196	995	898	986	948	765	860	761	728	807	605	842	764	490
1958	1810	1460	1498	1327	1130	1342	1340	1026	932	1309	1276	892	1061	930	899	1096	661	980	934	998
1959	1308	1203	1053	245	735	518	563	952	825	(-21)	1142	262	1044	442	1146	(-229)	837	698	572	1495
1960	924	855	969	822	879	684	665	557	721	492	852	476	545	623	463	413	966	666	949	537
1961	624	752	639	716	635	809	370	270	499	846	513	554	588	793	715	1036	673	646	478	733
1962	1505	1139	1311	1106	1036	1241	1081	1057	533	1380	972	852	725	1164	821	758	698	706	808	938
1963	1062	1199	1146	1002	985	924	1025	1047	870	1159	1084	1005	748	947	888	607	759	886	816	1456
1964	1218	1208	1101	1113	1110	1008	941	651	1218	824	801	812	919	831	630	704	691	785	451	717
1965	2318	2516	2383	2399	2587	2085	1902	2097	1674	1755	1957	1480	2720	2653	2042	1913	1773	1656	1905	1804
1966	713	606	713	733	566	865	657	643	689	570	563	678	653	571	593	634	542	626	663	574
1967	1308	912	1140	904	745	821	660	689	952	600	1312	300	723	913	681	691	767	766	812	942
1968	791	855	872	917	775	802	747	717	825	922	970	861	872	880	1369	1382	1141	1709	1891	1869
1969	1203	1150	1183	920	903	1056	997	960	1026	921	732	806	824	859	766	876	747	716	685	769
1970	1468	1596	1175	1393	1333	1477	1362	1270	1527	1041	1129	1104	1068	869	960	1128	654	978	886	815
1971	2352	1999	1989	2019	1958	1869	1931	1931	1524	1649	1623	1473	1590	1412	1522	1404	1443	1408	1214	1342
1972	1759	1619	1623	1593	1636	1379	1433	1259	1279	1129	1309	1030	1164	1103	1231	1408	998	1004	948	1159
1973	659	613	743	817	836	700	749	485	813	635	671	688	621	807	555	713	632	601	584	623
1974	1694	1658	1728	1757	1481	1762	1463	1657	1577	1438	1414	1411	1295	1223	1264	1245	1124	1065	1085	1105

NATURAL FLOW OF BOISE RIVER
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BEGINNING 1941

CHART NO. 2

AUGUST

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
754	1117	913	854	877	861	1240	962	832	878	800	709	864	813	815	701	752	710	654	27,248
897	672	906	639	617	718	677	567	574	734	565	674	586	571	602	519	621	635	648	23,395
1672	1704	1570	1432	1519	1397	1520	1192	1269	1234	1301	1105	1311	1174	1220	1160	1125	1136	1180	50,242
674	707	647	621	644	703	619	499	579	547	596	546	525	523	599	502	603	511	394	21,632
890	840	788	853	767	801	635	735	765	746	665	750	515	584	579	570	657	585	291	25,815
895	684	933	734	989	590	772	811	768	705	934	790	904	919	808	919	899	763	776	28,309
649	733	699	698	696	695	693	692	693	692	691	692	692	690	688	684	709	676	754	23,084
735	715	694	697	693	695	693	682	683	673	675	676	675	677	667	652	644	636	628	22,306
708	848	758	765	892	780	745	690	617	525	544	602	589	459	600	515	544	549	571	20,560
1300	1400	1136	1127	1017	1025	949	976	1019	1059	945	1010	1094	894	863	960	801	729	725	38,310
892	1130	968	867	816	1110	976	759	841	1461	672	834	1197	994	934	805	840	766	990	35,485
998	1392	1495	804	823	1077	948	1009	1137	980	1305	992	532	571	850	903	633	372	1101	34,380
1314	962	1178	1293	1130	1048	1017	1208	1001	1176	1110	879	959	975	1012	804	1132	989	856	36,623
1273	1139	1300	876	1135	770	1052	746	1105	1324	843	1048	776	926	775	960	960	749	672	33,180
846	1051	1203	731	925	877	966	1004	1023	936	843	611	798	630	778	638	886	863	183	28,377
1199	1038	808	1095	1214	222	1164	474	1180	518	926	818	866	946	342	777	767	1252	600	31,367
860	761	728	807	605	842	764	490	786	792	265	746	610	1117	940	189	1104	589	495	25,972
1061	930	899	1096	661	980	934	998	848	892	731	378	803	690	699	627	992	639	683	30,883
1044	442	1146	(-229)	897	698	572	1495	1131	898	948	777	856	968	775	800	782	181	1310	24,216
545	623	463	413	966	666	949	537	717	579	706	759	978	914	773	782	759	767	1087	22,879
588	793	715	1036	673	646	478	733	635	688	427	612	653	674	839	688	614	681	630	20,090
725	1164	821	758	698	706	808	938	846	834	893	758	780	813	679	805	785	972	730	28,726
748	947	888	607	759	886	816	1456	93	286	1315	(-5)	815	771	591	752	806	897	719	26,655
919	831	630	704	691	785	451	717	289	1027	788	689	700	689	391	448	768	688	836	25,046
2720	2653	2042	1913	1773	1656	1905	1804	2075	1835	2112	3175	205	1576	1437	1397	1179	1255	1298	59,163
653	571	593	634	542	626	663	574	689	539	525	527	504	548	655	775	691	571	650	19,526
723	913	681	691	767	766	812	942	939	353	875	675	809	650	629	661	1012	617	692	24,550
872	880	1369	1382	1141	1709	1891	1892	1869	1729	1751	1547	1301	1227	1179	1174	1078	1011	1044	36,100
824	859	766	876	747	716	685	769	806	701	555	670	517	696	724	702	686	765	718	25,639
1068	869	960	1128	654	978	886	815	349	746	715	1117	394	696	589	862	829	716	332	30,518
1590	1412	1522	1404	1443	1408	1214	1342	1054	1274	788	1122	1145	1119	954	942	1135	832	1233	45,250
1164	1103	1231	1408	998	1004	948	1159	832	966	885	798	879	847	1154	690	782	762	780	35,438
621	807	555	713	632	601	584	623	665	637	596	600	620	713	724	621	726	866	622	20,935
1295	1223	1264	1245	1124	1065	1085	1105	1238	1206	1136	990	1186	1187	753	856	788	795	902	39,483

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
1941	638	610	690	733	613	665	664	666	678	696	658	617	771	763	824	652	730	727	655	708
1942	590	698	519	647	559	574	499	521	533	505	620	622	681	634	606	647	627	619	554	775
1943	1164	1144	1073	1106	1027	1032	957	1034	987	826	809	1008	861	966	842	859	738	753	662	814
1944	416	563	575	641	562	728	670	609	577	560	528	764	413	532	432	443	467	546	726	725
1945	685	629	583	565	528	608	543	508	658	508	659	629	572	538	174	651	625	611	646	667
1946	728	643	628	841	671	764	851	794	881	756	762	687	681	657	578	675	703	926	886	957
1947	706	682	686	610	606	562	639	637	636	710	706	700	698	692	682	672	668	606	632	628
1948	634	626	621	625	630	634	630	634	634	578	575	585	644	617	606	595	539	521	517	485
1949	495	544	503	455	433	308	516	467	515	598	588	732	597	566	602	523	494	599	430	492
1950	896	632	821	643	507	515	497	541	1024	1752	1298	929	756	817	986	723	922	721	532	1160
1951	756	841	1124	617	775	617	709	570	768	848	643	616	692	904	596	696	736	609	534	318
1952	873	760	1022	997	666	854	692	727	630	634	856	765	738	2155	1049	739	1014	709	699	1277
1953	834	982	975	1043	835	897	937	938	805	874	923	837	850	636	805	802	583	869	794	709
1954	817	692	659	610	820	529	500	646	636	686	544	709	713	627	860	898	605	1024	860	772
1955	517	573	605	582	896	381	450	648	567	880	919	714	174	588	529	705	858	929	926	716
1956	801	1317	499	951	1207	1087	1141	1163	1133	1087	931	988	1039	996	1094	813	684	927	777	598
1957	383	908	1223	1448	633	882	956	854	924	926	778	967	800	706	928	917	799	759	848	1109
1958	746	750	1069	1070	1196	1211	989	870	716	1286	1071	623	1131	870	1166	1035	910	910	608	1313
1959	888	919	984	1104	678	482	891	232	469	723	923	670	781	822	1575	1793	1130	711	1523	1743
1960	876	657	500	706	1541	897	670	678	690	712	802	783	805	1146	962	1097	817	936	811	976
1961	346	629	778	556	634	592	372	633	509	729	761	635	676	559	552	592	701	1050	517	716
1962	830	799	719	774	742	963	792	670	696	749	775	829	880	836	784	892	889	789	676	711
1963	1037	1188	920	801	740	858	628	1169	1067	873	783	730	840	784	1015	864	798	898	969	1013
1964	1017	1203	1251	941	715	827	1167	732	831	654	667	735	788	735	880	1167	1088	687	889	933
1965	1190	1130	1228	952	1147	1048	1049	1262	2065	1723	1553	1254	1429	1344	1493	756	1889	1156	1367	1384
1966	598	629	583	589	570	616	59	585	474	769	1098	591	939	681	580	983	825	815	675	839
1967	785	725	800	748	689	771	847	763	872	715	821	883	953	773	835	818	739	711	717	783
1968	925	974	972	943	905	953	791	1018	961	-91	1316	1327	893	824	788	1004	865	818	835	940
1969	769	688	626	669	698	801	815	743	679	773	896	815	845	747	792	806	845	817	789	979
1970	814	710	759	700	828	938	842	469	1289	918	761	806	760	641	920	842	869	810	830	1172
1971	998	871	855	1002	1333	767	770	1294	1329	1160	1163	1095	1086	999	1041	963	1053	1028	954	1130
1972	803	870	904	801	885	1055	1029	1037	809	874	839	1049	1192	1072	1010	924	966	894	1224	1333
1973	549	764	761	722	597	676	641	584	888	758	642	662	587	557	613	609	698	754	4	512
1974	770	794	929	708	887	702	690	409	815	1235	1069	1092	1108	1251	786	1017	966	715	1007	962

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

SEPTEMBER

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	763	824	652	730	727	655	708	701	730	730	732	732	754	708	715	718	582		20,860
2	634	606	647	627	619	554	775	619	673	596	505	638	546	531	580	481	549		17,748
3	966	842	859	738	753	662	814	631	1019	716	777	768	707	851	844	838	783		26,596
4	532	432	443	467	546	726	725	680	685	660	629	645	616	611	444	541	688		17,676
5	538	174	651	625	611	646	667	669	776	995	1352	1028	399	704	681	675	644		19,510
6	657	578	675	703	926	886	957	841	856	866	864	711	691	595	660	805	678		22,636
7	692	682	672	668	606	632	628	627	650	643	621	599	555	584	604	608	584		19,233
8	617	606	595	539	521	517	485	519	497	518	554	576	606	739	771	820	760		18,290
9	566	602	523	494	599	430	492	475	516	481	571	497	688	442	217	464	780		15,388
10	817	986	723	922	721	532	1160	849	717	696	782	793	835	218	668	922	936		24,088
11	904	596	696	736	609	534	318	805	298	729	717	778	833	704	924	706	812		21,275
12	2155	1049	739	1014	709	699	1277	965	580	818	461	791	322	1434	1014	542	144		24,927
13	636	805	802	583	869	794	709	913	826	706	693	835	390	486	1090	1117	180		24,164
14	627	860	898	605	1024	860	772	522	702	765	838	577	402	742	595	695	789		20,834
15	588	529	705	858	929	926	716	235	799	635	880	890	788	879	770	630	734		20,397
16	996	1094	813	684	927	777	598 (-308)	1006	601	1176	825	970	854	936	1041	1524			27,858
17	706	928	917	799	759	848	1109	823	950	1016	885	798	962	1095	643	837	926		26,683
18	870	1166	1035	910	910	608	1313	802	541	224	818	825	1117	548	847	835	1115		27,212
19	822	1575	1793	1130	711	1523	1743	2087	1388	1467	1071	1218	1497	1804	1581	1498	1165		33,817
20	1146	962	1097	817	936	811	976	837	818	858	706	595	1044	280	259	(-62)	725		23,122
21	559	552	592	701	1050	517	716	722	779	824	747	609	555	469	648	632	584		19,106
22	836	784	892	889	789	676	711	951	802	887	903	1016	740	752	914	1023	1010		24,793
23	784	1015	864	798	898	969	1013	1265	1148	1214	1165	1067	1055	944	848	945	742		28,368
24	735	880	1167	1088	687	889	933	859	784	903	965	865	785	849	805	820	857		26,399
25	1344	1493	756	1889	1156	1367	1384	1306	1242	1170	1297	1296	1226	1174	1040	1180	1276		38,626
26	681	580	983	825	815	675	839	628	610	662	120	600	412	706	663	463	521		18,883
27	773	835	818	739	711	717	783	390	971	495	647	832	746	716	144	1039	980		22,708
28	824	788	1004	865	818	835	940	1027	1067	1001	964	958	1006	938	927	876	900		27,625
29	747	792	806	845	817	789	979	1116	1035	891	787	867	861	827	773	792	798		24,339
30	641	920	842	869	810	830	1172	1089	1250	1351	1178	1020	1097	949	1034	950	879		27,475
31	999	1041	963	1053	1028	954	1130	1112	1080	1065	1027	1144	1118	1022	1082	1204	1278		32,023
32	1072	1010	924	966	894	1224	1333	1315	1079	1198	1014	1145	657	1148	1361	1176	1081		30,744
33	557	613	609	698	754	4	512	1392	1189	837	827	1209	1131	928	943	1662	(-16)		22,680
34	1251	786	1017	966	715	1007	962	904	1134	1028	740	873	1070	866	893	911	815		27,146

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

OCTOBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1941	592	699	661	649	748	781	812	797	732	715	591	676	783	804	698	802	849	849	797	855
1942	567	748	695	662	697	665	659	684	454	502	459	605	740	744	844	563	683	718	692	895
1943	696	781	752	808	678	450	1043	864	845	766	907	1228	940	1122	939	927	1006	876	1012	883
1944	571	583	702	630	554	718	635	636	619	646	652	635	617	611	652	642	821	807	673	632
1945	353	745	778	774	726	715	716	722	581	601	570	773	696	542	865	746	689	777	846	792
1946	672	1566	1714	1217	1151	974	940	1064	1013	995	961	991	931	898	932	865	995	910	995	925
1947	536	648	559	703	619	638	645	518	632	876	803	947	941	874	777	822	2138	1452	1234	1063
1948	631	616	536	551	715	779	728	755	791	697	698	742	742	750	748	751	778	783	780	781
1949	523	572	575	794	757	945	995	893	834	861	999	851	855	817	777	801	825	834	746	749
1950	1159	1164	672	1056	1194	796	1258	919	1006	1431	840	1014 (-111)	1519	968	971	971	971	971	971	9
1951	971	1440	1748	1289	992	1113	1240	1236	681	948	1367	828	1338	1565	940	1752	1489	564	1047	1923
1952	649	575	1515	745	854	547	1021	718	1198	565	690	798	489	891	948	855	759	976	789	875
1953	1120	651	838	320	945	660	269	725	668	864	516	931	733	866 (-1531)	1483	874	834	911	998	65
1954	476	1023	737	736	706	880	829	842	870	586 (-133)	1942	679	952 (-610)	1111	1246	907	863	851	90	
1955	982	835	426	380	798	711	587	929	920	1102	194	1254	986	1257	622	1702	660	591	1042	82
1956	1428	1040	1210	1055	955	1001	1050	956	1066	1386	1095	1440	1132	1153	591	834	767	1098	993	1042
1957	961	862	354	826 (-675)	684	1015	1104	994	932	940	1008	1004	896	1321	824	826	787	740	834	923
1958	1068	969	983	968	1033	986	976	470	344	825	746	841	866	851	770	788	785	624	910	865
1959	1375	1133	1082	1038	897	1079	945	1358	1470	2135	1743	1741	1946	1248	1732	1360	1229	1076	1485	1213
1960	689	371	550	83	378	684	1291	649	946	841	1051	1422	1067	748	716	715	648	655	790	721
1961	814	901	565	856	942	964	883	1058	436	487	1211	1020	819	963	801	786	765	686	641	712
1962	827	872	748	647	853	729	828	747	937	1148	1471	1452	1927	1567	2636	1803	1389	1570	1213	1234
1963	857	688	757	910	881	755	1003	1209	307	1201	1319	804	785	1123	695	1200	917	803	728	945
1964	599	678	780	782	818	657	804	787	776	904	792	689	548	812	716	950	791	730	778	709
1965	1041	1290	1004	1182	999	1286	1016	1133	1135	1052	1171	1312	914	1044	1379	1121	1123	1093	965	993
1966	651	333	1002	503	537	539	516	710	733	654	617	595	766	707	335	807	884	686	569	605
1967	1044	1100	916	1040	871	835	556	1006	1587	1036	927	1027	989	630	895	1135	687	797	670	746
1968	914	870	752	865	879	836	781	864	689	774	800	897	1096	1480	1748	1833	1437	1267	1115	1026
1969	866	835	950	929	833	870	872	834 (-525)	2460	1202	965	1273	1068	915	927	1060	981	899	853	832
1970	908	804	1003	914	716	855	856	960	869	1046	1178	1413	915	880	858	854	761	915	829	863
1971	1223	1282	1187	1186	1246	1121	1212	1502	963	1042	1237	1044	1104	992	1115	1011	1066	1082	1001	1232
1972	955	1154	1066	973	1125	1213	1099	1074	1009	1133	1206	1145	1102	1571	1157	1183	1157	1503	913	1080
1973	924	705	814	681	765	762	769	897	825	809	730	791	775	733	856	656	752	691	617	621
1974	1090	946	1002	947	878	1026	946	1011	945	1179	946	928	980	970	894	1254	842	928	888	843

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

OCTOBER

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
676	783	804	698	802	849	849	797	855	902	900	761	755	870	840	882	842	914	876	868	24,300
605	740	744	844	563	683	718	692	895	720	764	720	760	651	626	702	792	737	835	699	21,282
228	940	1122	939	927	1006	876	1012	883	1121	1084	1085	1054	1188	1148	1202	1284	1460	1451	1301	30,901
635	617	611	652	642	821	807	673	632	598	664	671	674	693	659	958	436	669	638	718	20,414
773	696	542	865	746	689	777	846	792	814	838	768	797	776	785	800	781	802	819	924	22,911
991	931	898	932	865	995	910	995	925	936	1134	1256	1407	1281	1244	1238	1220	1123	1031	1118	33,697
947	941	874	777	822	2138	1452	1234	1063	981	1002	977	947	915	850	813	954	995	1143	1120	28,122
742	742	750	748	751	778	783	780	781	782	722	738	741	735	736	734	675	686	685	735	22,321
851	855	817	777	801	825	834	746	749	703	812	825	826	852	803	707	744	752	835	780	24,642
1014 (-111)	1519	968	971	971	971	971	971	971	974	973	974	971	972	991	718 (-569)	1538	1588	1950		30,820
828	1338	1565	940	1752	1489	564	1047	1923	1634	512	703	2189	1316	1247	1554	2152	1275	1177	1422	39,652
798	489	891	948	855	759	976	789	875	809	1033	1026	753	831	587	892	1249	1315	631	471	26,054
931	733	866(-1531)	1483	874	834	911	998	659	916	769	735	906	902	974	628	791	789	691		22,435
1942	679	952 (-610)	1111	1246	907	863	851	905	891	846	849	659	715	1018	883	761	732	824		24,666
1254	986	1257	622	1702	660	591	1042	840	821	769	919	722	645	883	698	1023	706	746	1102	25,852
1440	1132	1153	591	834	767	1098	993	1042	800	909	1055	900	907	1336	1165	1318	1130	1443	1051	33,306
1008	1004	896	1321	824	826	787	740	834	923	1036	950	1020	914	1088	988	1165	753	1076	908	27,058
841	866	851	770	788	785	624	910	865	955	798	498	967	960	900	815	696	748	887	1029	25,921
1741	1946	1248	1732	1360	1229	1076	1485	1213	1612	1190	1284	2293	1644	1448	1315	1657	1256	1106	1364	43,454
1422	1067	748	716	715	648	655	790	721	743	742	719	594	824	797	761	509	1030	1020	768	23,522
1020	819	963	801	786	765	686	641	712	707	780	847	805	791	681	1175	1107	1287	725	860	26,075
1452	1927	1567	2636	1803	1389	1570	1213	1234	929	1285	1082	981	954	1091	967	1103	847	783	906	35,526
804	785	1123	695	1200	917	803	728	945	723	838	712	795	778	1064	766	643	782	753	779	26,520
689	548	812	716	950	791	730	778	709	689	735	741	707	816	775	778	913	780	928	742	23,704
1312	914	1044	1379	1121	1123	1093	965	993	1042	1004	981	942	1191	1228	665	838	896	609	1076	32,725
595	766	707	335	807	884	686	569	605	627	706	772	756	742	707	587	687	420	619	682	20,054
1027	989	630	895	1135	687	797	670	746	772	1166	639	767	874	717	767	1001	1419	1623	961	29,200
897	1096	1480	1748	1833	1437	1267	1115	1026	1273	1067	404	857	1161	937	916	1101	912	955	1109	31,615
965	1273	1068	915	927	1060	981	899	853	832	851	881	809	964	920	585	774	892	774	695	28,044
1413	915	880	858	854	761	915	829	863	1037	981	1116	1568	1137	1129	970	806	903	1015	918	29,977
1044	1104	992	1115	1011	1066	1082	1001	1232	1089	1220	1089	1035	1041	949	1124	981	921	926	994	34,217
1145	1102	1571	1157	1183	1157	1503	913	1080	1095	1009	1041	996	937	1046	1020	985	877	976	844	33,650
791	775	733	856	656	752	691	617	621	641	690	709	776	897	949	782	776	812	844	814	23,863
928	980	970	894	1254	842	928	888	843	1119	1443	447	774	1008	959	785	996	982	1158	873	29,987

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

NOVEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	780	894	1387	2533	1954	1566	1420	1187	91
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707	842	944	1562	1158	1186	1150	1007	85
1943	1158	1212	1079	1106	1917	2081	1526	1332	1175	853	1740	1240	1156	1206	1133	1130	1128	967	1087	1141	110
1944	952	1196	917	1007	1406	1314	1050	900	847	1011	1148	1039	928	975	860	870	745	682	577	656	681
1945	902	1104	715	807	917	860	812	865	785	740	787	1072	819	840	941	957	992	888	936	976	839
1946	1031	1033	929	844	934	947	1063	971	983	972	1028	937	844	850	944	936	856	947	1115	2186	1660
1947	1073	1003	1003	992	911	999	970	1097	1051	961	949	985	859	985	970	993	1022	928	1024	865	754
1948	813	1214	1689	1177	1010	947	883	771	765	779	812	817	856	912	932	981	916	883	854	838	818
1949	805	700	726	794	680	690	694	774	990	1089	971	841	855	836	911	871	796	734	789	764	726
1950	1073	2011	1952	1253	1350	1264	1461	1647	1640	1352	950	1333	1115	1313	1197	1140	1183	1327	1659	1697	1595
1951	1030	906	1003	1365	1001	1304	1093	827	1116	447	147	1470	1072	1368	952	1394	87	1272	53	2770	775
1952	401	562	788	1205	800	921	921	778	625	635	523	1159	1188	1634	1240	843	525	947	894	961	643
1953	678	951	844	716	853	798	735	1074	763	749	1072	921	916	803	829	957	776	784	732	528	609
1954	773	403	949	810	888	743	663	713	717	728	709	914	961	891	903	1181	1329	1059	907	875	1050
1955	973	847	778	561	910	824	838	702	880	881	1074	1000	858	939	1029	478	613	1034	1115	1028	2455
1956	1245	1077	1093	1225	906	997	1220	964	1172	1182	1213	1248	1087	1024	934	841	1052	1114	1167	736	1048
1957	823	899	1037	894	733	536	682	969	635	792	1181	804	908	1081	1332	827	843	721	432	1252	1201
1958	606	567	752	930	869	764	1436	2330	1567	1066	1436	1047	1039	1297	1571	824	591	947	862	1345	1495
1959	1268	1246	1236	1165	1207	818	1199	1039	1152	978	984	1116	1017	652	518	718	1102	847	1010	1057	873
1960	554	980	805	836	1038	595	849	735	763	730	737	795	1333	1091	748	904	368	1466	1201	1145	923
1961	745	806	941	901	1098	467	619	148	1618	546	1192	991	540	689	1031	941	610	546	650	646	1092
1962	1429	856	1207	484	1267	784	1066	1083	1031	456	898	1071	1322	1255	1441	522	569	794	941	923	958
1963	689	943	720	832	956	1054	1007	1099	1526	1654	1473	1043	769	1083	1558	1547	1623	1337	936	1296	1109
1964	684	774	1180	810	760	696	816	883	851	736	957	988	922	632	589	665	478	576	1132	807	707
1965	1090	1006	1047	805	856	1036	884	884	1062	937	849	763	1176	1100	1316	1307	1025	1217	1346	1017	1041
1966	539	753	625	652	532	722	931	1061	733	709	741	874	602	908	1554	1010	1061	963	681	667	996
1967	1213	942	1007	721	832	919	677	856	330	1118	1271	955	1010	874	976	946	1136	832	1143	1254	971
1968	1076	936	1088	1161	1105	953	931	831	1114	1747	1639	1605	2072	1698	1538	1299	1228	1430	1420	1546	1183
1969	600	947	1020	670	920	332	1661	1106	954	626	1058	653	820	712	690	823	1024	915	678	723	739
1970	989	1124	958	941	928	1067	1221	1167	1125	1518	1441	1610	1075	1140	1026	1053	1052	1071	1078	998	853
1971	1104	1214	1118	895	952	890	888	811	1009	1025	955	897	1073	1147	1228	1006	984	815	795	898	912
1972	840	1047	1093	1044	1386	1436	1098	1003	1108	1019	887	903	1167	855	999	987	1004	950	1039	1060	926
1973	912	1471	818	812	813	1160	1156	1335	1485	1604	1723	1842	3936	3267	2468	2176	2070	2080	1839	1860	1560
1974	892	882	905	1000	927	822	948	980	1021	898	1061	853	1231	907	842	901	838	907	1123	924	795

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

NOVEMBER

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
780	894	1387	2533	1954	1566	1420	1187	922	936	850	694	863	958	909	675	1000	871		31,600
707	842	944	1562	1158	1186	1150	1007	857	703	858	1128	1793	1534	1246	1442	1412	2098		32,034
156	1206	1133	1130	1128	967	1087	1141	1106	985	1056	1056	968	1056	959	955	909	935		35,352
928	975	860	870	745	682	577	656	681	731	722	699	802	716	741	747	600	581		26,100
819	840	941	957	992	888	936	976	839	675	580	875	1004	991	1061	1096	1094	905		26,835
844	850	944	936	856	947	1115	2186	1660	1484	1328	1706	1608	1603	1713	1457	1522	1676		36,107
859	985	970	993	1022	928	1024	865	754	883	655	771	1011	993	1032	1081	973	998		28,791
856	912	932	981	916	883	854	838	818	790	808	803	813	831	815	818	830	784		26,959
855	836	911	871	796	734	789	764	726	630	792	1425	1580	1368	1300	1348	1197	1905		28,581
1115	1313	1197	1140	1183	1327	1659	1697	1595	1881	1274	1274	1366	1406	1356	1455	1228	1472		42,224
1072	1368	952	1394	87	1272	53	2770	775	1279	1051	898	886	863	1518	1230	1330	1209		31,716
1188	1634	1240	843	525	947	894	961	643	1021	708	248	853	123	845	946	822	562		24,321
916	803	829	957	776	784	732	528	609	1225	1989	2112	1272	666	1721	1369	1292	1130		29,864
961	891	903	1181	1329	1059	907	875	1050	803	883	786	783	876	749	795	742	506		25,089
858	939	1029	478	613	1034	1115	1028	2455	2255	1371	1624	1335	1216	1209	1730	1373	2413		34,343
1087	1024	934	841	1052	1114	1167	736	1048	1316	959	936	701	895	1215	298	1129	1238		31,232
908	1081	1332	827	843	721	432	1252	1201	280	300	1521	413	1067	1053	1339	1098	421		26,074
1039	1297	1571	824	591	947	862	1345	1495	1612	1404	961	1068	926	448	517	646	975		31,898
1017	652	518	718	1102	847	1010	1057	873	1112	1141	1276	1154	1232	806	753	855	895		30,426
1333	1091	748	904	368	1466	1201	1145	923	808	693	985	1226	972	1318	1027	706	590		26,921
540	689	1031	941	610	546	650	646	1092	839	1327	1142	894	1154	905	971	868	913		25,830
1322	1255	1441	522	569	794	941	923	958	1893	1361	1221	920	907	1751	1687	1248	1162		32,507
769	1083	1558	1547	1623	1337	936	1296	1109	1207	1043	1216	1044	1043	921	757	1109	903		33,499
922	632	589	665	478	576	1132	807	707	642	801	844	1486	1835	1279	1267	1193	1154		27,144
1176	1100	1316	1307	1025	1217	1346	1017	1041	1117	1063	1156	1019	1088	1125	903	862	512		30,609
602	908	1554	1010	1061	963	681	667	996	1071	758	389	628	525	492	247	755	1078		23,257
1010	874	976	946	1136	832	1143	1254	971	532	936	1091	896	920	888	478	680	1167		27,571
2072	1694	1538	1299	1228	1430	1420	1546	1183	1349	1192	1435	1784	1508	1107	1486	1023	1020		39,500
820	712	690	823	1024	915	678	723	739	765	697	734	671	669	802	671	603	584		23,867
1075	1140	1026	1053	1052	1071	1078	998	853	885	922	1618	5328	6031	3302	2480	2208	2326		48,535
1073	1147	1228	1006	984	815	795	898	912	1134	958	851	1007	1048	1469	1218	1408	1243		30,952
1167	855	999	987	1004	950	1039	1060	926	795	537	915	952	946	1895	1156	943	861		30,851
3936	3267	2468	2176	2070	2080	1839	1860	1560	1629	1352	1366	1462	1323	1236	1216	1202	1443		48,556
1231	907	842	901	838	907	1123	924	795	951	778	1064	922	982	828	653	1032	656		27,523

NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

DECEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1941	943	947	1661	4605	3137	2036	1837	1555	1400	1485	1458	1237	1309	1406	1372	1694	1580	1838	1871	2130
1942	1854	1741	1385	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225	1116	1111	1041	1189	1052	920	942
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746	746	770	748	759	939	974	1002
1944	805	808	793	686	667	728	736	746	638	407	342	352	396	406	464	505	765	610	640	866
1945	972	718	616	866	1056	1008	1091	933	819	456	695	856	664	571	568	707	645	1040	833	691
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1941	3056	4053	4709	3950	2413	1771	1870	1845
1947	1182	1165	1100	920	1078	1117	954	951	908	957	622	838	709	995	922	901	811	959	991	844
1948	790	846	881	857	849	841	883	882	874	870	930	952	988	999	980	942	892	767	720	739
1949	1304	1122	1148	775	799	860	789	842	891	780	701	326	650	903	718	818	789	994	1106	565
1950	1398	1398	1485	1441	1551	1451	1561	1878	1630	1645	1760	1650	1652	2108	1284	1179	1669	1304	1206	1181
1951	2368	3459	2250	2024	1569	1834	1117	879	711	916	962	1493	1338	1059	1098	754	1072	1273	1362	807
1952	723	779	1163	823	753	701	875	1006	902	742	931	938	1424	1071	1096	1443	879	733	444	1164
1953	996	1167	917	971	1236	1037	677	1271	960	1221	1025	877	864	854	527	792	1004	968	526	1599
1954	309	588	953	1001	682	902	817	859	702	604	707	858	712	913	817	697	454	504	967	1329
1955	535	1329	854	1401	739	746	1021	1181	558	1705	1160	923	876	919	784	970	897	1438	1641	2250
1956	385	1145	643	1060	1198	554	733	797	542	483	2817	2027	1978	2196	1817	1811	1316	1170	1588	897
1957	503	609	1285	630	553	1042	1317	1215	689	899	(-127)	1561	864	1238	1019	238	1458	1391	1035	1195
1958	809	1308	1419	940	1271	1190	791	1164	1547	951	1404	3044	2870	2586	1169	1251	1932	1401	1286	1009
1959	871	1051	725	1083	916	495	273	713	548	704	892	844	838	1003	571	829	735	862	931	897
1960	986	617	1099	1012	840	1310	397	(-309)	671	616	722	679	734	845	924	713	742	1054	1221	995
1961	832	1033	874	1052	1024	647	597	597	853	418	701	386	849	706	952	929	813	980	705	1199
1962	1027	1132	1674	1987	1547	1338	1057	1415	1034	1168	826	737	806	902	1564	1156	1029	1149	1207	939
1963	715	815	774	635	870	495	1073	893	1024	746	999	1034	576	789	985	854	961	862	1124	869
1964	1168	1687	1680	1361	1039	949	819	734	816	1226	1288	1034	754	880	1116	989	597	592	651	760
1965	714	767	1091	1178	976	1193	963	665	749	971	1481	906	941	582	819	766	746	747	501	407
1966	842	804	784	1012	1147	955	912	679	1156	656	671	1049	666	1088	1283	795	444	670	998	573
1967	912	871	625	922	730	1014	957	854	698	700	1054	602	692	374	374	410	583	870	954	724
1968	1132	1183	1018	1251	1038	1290	974	942	1030	1127	1012	1105	1004	753	906	1082	1114	782	943	779
1969	567	616	727	646	743	722	606	873	835	1131	1155	1256	351	728	1115	536	836	798	831	1017
1970	2435	1989	1858	1877	1493	1578	1638	2589	2722	2743	2154	1602	1423	1779	1566	1729	1766	1443	1116	668
1971	980	881	736	1189	1061	1424	1361	754	614	1125	1037	1169	1260	1149	1239	1057	1107	890	972	973
1972	946	205	700	2029	813	546	594	779	884	606	605	670	1033	386	1141	947	1110	1347	1332	1784
1973	1422	1433	1264	1457	1265	1051	1338	1426	1231	1151	989	1247	1291	1351	1125	988	1718	2059	1987	1701
1974	707	821	644	1106	1135	1130	905	1104	934	540	532	684	1396	739	773	834	870	1010	816	895

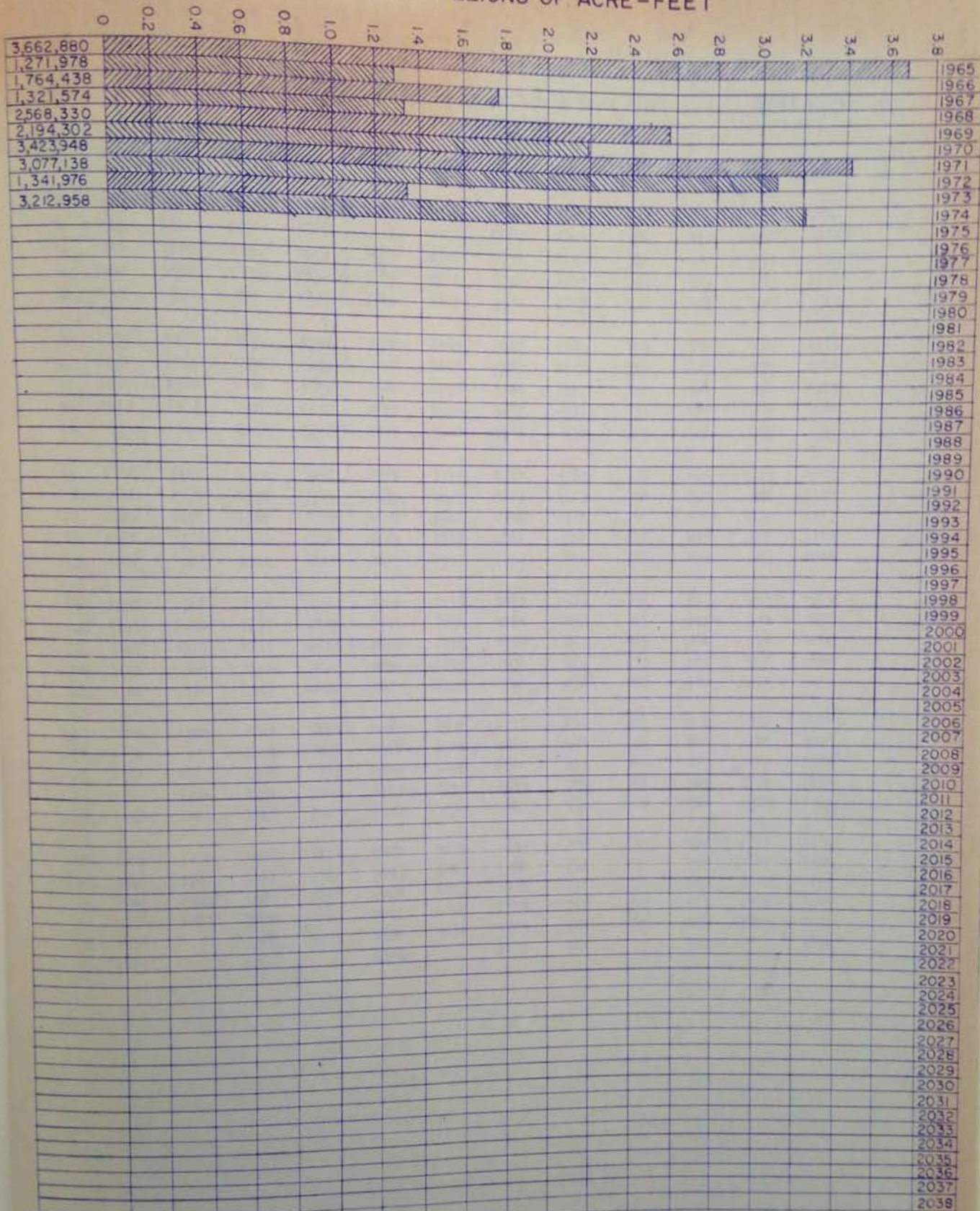
NATURAL FLOW OF BOISE RIVER
IN SECOND FEET
BEGINNING 1941

CHART NO. 2

DECEMBER

12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
237	1309	1406	1372	1694	1580	1838	1871	2130	2240	2199	1896	1673	1657	1335	1097	917	1411	1620	1873	53,419
212	1225	1116	1111	1041	1189	1052	920	942	994	1293	1140	1395	1644	1707	1173	1131	1851	1679	2620	40,891
746	746	746	770	748	759	939	974	1002	1003	1186	1003	943	1056	954	838	628	536	757	994	27,884
352	396	406	464	505	765	610	640	866	1052	818	1137	906	839	783	615	621	588	906	826	21,451
856	664	571	568	707	645	1040	833	691	898	893	1243	1173	1130	1000	1206	1505	3667	5249	3587	37,356
941	3056	4053	4709	3950	2413	1771	1870	1845	1792	1550	1306	1384	1439	1319	1319	1286	1137	948	865	54,696
838	709	995	922	901	811	959	991	844	951	798	792	974	746	737	736	779	961	790	514	27,702
952	988	999	980	942	892	767	720	739	713	673	702	697	664	652	681	743	804	861	875	25,547
326	650	903	718	818	789	994	1106	565	729	778	931	907	764	779	795	975	725	739	748	25,750
1650	1652	2108	1284	1179	1669	1304	1206	1181	1537	1246	1326	1283	1304	1502	1248	670	907	1599	1440	44,493
1493	1338	1059	1098	754	1072	1273	1362	807	959	2049	2046	1243	1237	629	1252	1145	1739	1438	1333	43,415
938	1424	1071	1096	1443	879	733	444	1164	658	1763	1202	71	227	465	806	1020	1020	579	922	27,323
877	864	854	527	792	1004	968	526	1599	1237	1317	791	503	829	717	1112	673	519	950	729	28,866
858	712	913	817	697	454	504	967	1329	246	(-288)	891	601	737	1043	1092	588	966	862	957	23,070
923	876	919	784	970	897	1438	1641	2250	2221	4106	16700	20551	11314	7381	5053	4416	3637	2732	2871	102,909
2027	1978	2196	1817	1811	1316	1170	1588	897	932	1058	1009	605	1392	622	992	309	807	1031	840	34,754
1561	864	1238	1019	238	1458	1391	1035	1195	1001	1370	455	(-56)	2216	1268	1033	417	1472	809	465	29,064
3044	2870	2586	1169	1251	1932	1401	1286	1009	1382	1356	1401	998	1312	1203	1269	1094	1039	690	901	41,987
844	838	1003	571	829	735	862	931	897	593	685	623	1058	1251	972	814	716	717	353	694	24,257
679	734	845	924	713	742	1054	1221	995	493	751	892	632	951	955	558	871	860	418	734	23,983
386	849	706	952	929	813	980	705	1199	818	1295	789	966	1017	752	678	708	833	1044	889	25,936
737	806	902	1564	1156	1029	1149	1207	939	1127	994	1234	800	295	414	706	736	976	1145	838	32,959
1034	576	789	985	854	961	862	1124	869	768	763	724	648	687	867	836	840	963	802	595	25,586
1034	754	880	1116	989	597	592	651	760	1046	2152	18378	27294	19240	11963	8143	6823	5706	4580	3940	129,405
906	941	582	819	766	746	747	501	407	546	576	889	815	1030	924	829	1184	803	879	707	26,345
1049	666	1088	1283	795	444	670	998	573	1117	553	642	633	605	704	498	368	551	1074	630	24,559
602	692	374	374	410	583	870	954	724	994	740	527	880	1213	940	720	1243	865	766	899	24,707
1105	1004	753	906	1082	1114	782	943	779	679	899	950	946	1335	1476	1180	1113	822	1040	879	31,784
1256	351	728	1115	536	836	798	831	1017	1074	1426	1387	1266	865	945	919	767	834	355	548	26,475
1602	1423	1779	1566	1729	1766	1443	1116	668	1332	1424	1338	996	953	1283	1122	1277	1703	1364	1297	50,257
1169	1260	1149	1239	1057	1107	890	972	973	1064	1102	1250	957	1414	1274	1385	1270	122	902	887	32,605
670	1033	386	1141	947	1110	1347	1332	1784	1598	1662	1817	1946	1924	1893	1206	1189	1126	1008	1056	34,882
1247	1291	1351	1125	988	1718	2059	1987	1701	1373	1866	1844	1712	1697	1594	1145	1809	1417	1511	1540	45,002
684	1596	739	773	834	870	1010	816	895	1112	1007	1086	395	793	977	870	681	786	604	1126	27,212

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 75 YEAR PERIOD, 1895 THRU 1970

CHART NO. 3

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1.	1139	1201	1620	3645	7004	8498	4259	1221	755	792	895	1091
2.	1126	1220	1731	3767	7123	8370	4090	1223	771	816	924	1154
3.	1146	1210	1636	4025	7163	8338	3936	1163	764	827	980	1125
4.	1050	1303	1630	4133	7356	8318	3788	1113	756	813	913	1157
5.	1029	1325	1647	4237	7540	8219	3652	1095	754	803	952	1069
6.	1059	1266	1692	4399	7732	8163	3462	1063	739	774	924	1055
7.	1064	1264	1698	4625	7949	8210	3353	1026	726	849	959	1006
8.	1029	1367	1768	4742	8140	8237	3184	1012	721	871	951	1003
9.	1042	1365	1909	4840	8290	8106	3059	986	755	835	964	984
10.	1051	1326	1897	5114	8400	8040	2910	958	755	901	980	986
11.	1022	1267	1906	5327	8348	7733	2783	962	779	864	1009	1065
12.	1011	1270	1946	5504	8293	7679	2673	917	764	920	987	1189
13.	1004	1276	1962	5849	8309	7646	2540	942	762	878	938	1123
14.	1031	1308	1987	6231	8343	7557	2391	924	775	893	961	1114
15.	1109	1307	2032	6447	8439	7307	2290	911	789	852	987	1046
16.	1158	1316	2098	6691	8462	7245	2197	870	791	927	1001	1004
17.	1107	1350	2197	6728	8454	7056	2064	858	783	902	942	1022
18.	1106	1310	2319	6950	8624	6856	1959	842	769	884	994	1010
19.	1176	1303	2518	7078	8689	6653	1871	864	755	884	962	1040
20.	1182	1332	2649	6894	8601	6528	1781	851	807	890	1054	1015
21.	1204	1385	2713	6810	8625	6332	1711	838	766	892	1072	1030
22.	1276	1408	2808	7013	8562	6148	1669	821	773	881	1148	1098
23.	1294	1415	2867	7085	8561	5882	1601	816	764	879	1213	1510
24.	1271	1494	2929	7082	8715	5652	1538	798	781	920	1178	1659
25.	1266	1487	3005	7107	8784	5376	1507	755	778	900	1202	1461
26.	1202	1479	3047	7178	8872	5156	1455	778	763	897	1163	1256
27.	1187	1560	3144	7291	8843	5203	1406	755	721	890	1121	1181
28.	1189	1585	3200	7249	8808	4809	1370	752	751	897	1040	1152
29.	1161	1463	3372	7165	8693	4620	1328	768	765	919	1032	1219
30.	1176		3462	7071	8554	4458	1283	748	779	906	1085	1166
31.	1173		3533		8568		1263	742		919		1130

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	INSTANTANEOUS HIGH DURING THE DAY
1888-1889	3,801,142	JUNE	1,464,280	JUNE 14	35,500	
1888-1889	8,914,444	JUNE	731,400	(MAY 10-1899) 19,000 JUNE 20	18,700	
1903-1904	3,089,816	MAY	828,600	(APRIL 15-1904) 19,700 MAY 23	18,700	
1906-1907	3,807,380	MAY	683,520	(APRIL 15-1907) 17,000 MAY 19	19,400	
1908-1909	8,744,790	JUNE	655,220	JUNE 5 & 6	16,000	
1909-1910	8,756,360	APRIL	609,980	(MARCH 22-1910) 16,600 APRIL 12	12,000	
1920-1921	8,903,074	MAY	824,038	MAY 17	18,739	
1942-1943	3,363,670	APRIL	1,006,532	APRIL 18	25,040	
1951-1952	8,886,216	MAY	901,634	(APRIL 28-1952) 23,429 MAY 5	18,955	
1953-1958	3,173,886	MAY	841,354	MAY 25	22,949	
1964-1965	3,662,880	MAY	836,232	(MAY 1, 1965) 20,503 DECEMBER 24	27,294	44,000
1970-1971	3,423,948	MAY	922,614	MAY 14	20,253	
1971-1972	3,077,138	MAY	752,262	(MAY 16, 1972) 16,345 JUNE 2	19,559	
1973-1974	3,210,938	JUNE	787,716	(MAY 9, 1974) 18,469 JUNE 17	18,375	

TOTAL MONTHLY FLOW OF BOISE RIVER -

FOR IRRIGATION YEARS BEGINNING 1894

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1894-95	54700(8)	54000	62700	78600	68280	103180	243140	395220	225700	152380
1895-96	57040	54980	50780	73440	67660	157560	295040	555382	1464280	385520
1896-97	54220	61300(3)	64600	50520	55240	88000	476000(5)	508000(6)	415000(5)	143300
1897-98	63420	64100	61500(7)	34100	67200	119280	251700	320280	299360	116848
1898-99	53262	56242	151640	160600	78640	113900	425740	608020	731400	356160
1899-1900	83664	90000	97000	125420	100500	305220	380120	510720	300640	84156
1900-01	63570	61880	65060	79440	98340	179320	305900	626460	287420	116400
1901-02	56464	55892	76400	61300	90440	88920	213470	353460	287160	106720
1902-03	45630	54418	63474	81760	63570	143360	448220	520620	601880	147580
1903-04	58554	67800(7)	67800	124000(1)	108000(1)	264140	671840	828600	521060	201920
1904-05	58580	54000	54000(7)	50400(2)	56700(2)	101900	176200	229820	247660	78860
1905-06	42980	41010	40410	50810	57240	101100	337920	428100	346980	163340
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	673540	683520	534560	335840
1907-08	57890	55970	63300	67190	63282	141130	382320	370360	324790	197960
1908-09	68440	59280	58000	138160	110680	228840	473220	605240	655220	226800
1909-10	63140	200560	124760	79900	66600	566900	609980	511760	310360	110040
1910-11	63210	73780	76820	63010	76340	159570	323960	549120	740660	233040
1911-12	66670	66700	63500	78420	76120	99580	340920	684180	677560	173980
1912-13	66960	67820	60680	53800	51400	101800	374960	573740	413420	158660
1913-14	63524	80180	61384	71196	74968	216040	469040	553660	307700	124130
1914-15	69684	58366	44800	59580	59726	94782	196558	274128	191900	83872
1915-16	42410	45626	53346	49930	63262	197486	555062	563752	594764	293818
1916-17	59106	54020	53702	47628	47694	61740	267082	654156	643322	260216
1917-18	46004	49506	128592	113828	77736	181442	346040	409954	462460	112526
1918-19	64292	56578	49118	50532	52844	114916	395854	509192	240872	69736
1919-20	47958	56548	53010	66528	66714	89254	189044	449730	333468	117324
1920-21	59966	75678	67106	112422	94098	271472	394484	824038	718728	175390
1921-22	55492	78176	89958	60982	53180	113692	319642	752474	659864	148066
1922-23	52168	48886	52872	62094	50860	92700	273726	454010	376208	192504
1923-24	61592	52930	51286	48954	72446	63550	136450	243200	76792	35296
1924-25	59218	53862	42912	48414	129386	192378	501862	700486	367370	152598
1925-26	58424	51382	63482	48416	64264	140450	232784	247930	104636	42192
1926-27	34882	67640	84702	62700	107342	185560	374434	660044	729736	234042
1927-28	67894	143162	98102	90026	79090	276560	316008	852194	305760	115962
1928-29	49856	50404	46770	46690	49214	106834	179238	359536	285988	96482
1929-30	59356	36848	69548	44778	64388	103616	274178	295246	257700	77726

WATER MONTHLY FLOW OF HOISE RIVER - IN ACRE FEET

FIVE IRRIGATION YEARS BEGINNING 1894 = 1895

CHART N

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
533100	388200	205700	132300	63620	58000	1,559,520
540000	388200	185200	383300	81960	57500	3,301,142
540000 (5)	388200 (5)	212000 (5)	123300	67230	62520	2,045,950
541000	388200	200300	115000	45720	39168	1,482,676
541000	388200	231000	335100	109940	68900	2,914,444
540100	310700	300620	82136	53300	51212	2,182,152
540000	388200	207420	115400	52222	49704	1,985,716
541000	388200	207100	106720	49496	40914	1,480,636
540000	388200	201000	147300	53000	46344	2,269,856
541000	388200	301000	201920	71972	43830	3,029,516
540000	388200	227000	78060	39870	34660	1,183,050
540000	388100	340000	163300	52410	41090	1,703,390
540000	388200	333300	335000	101600	62070	3,207,380
540000	388200	304700	107960	64920	55524	1,844,626
540000	388200	633000	226000	63690	57220	2,744,790
540000	311700	310300	110000	55970	56390	2,756,360
540000	388100	240000	233000	74906	59636	2,494,052
540000	388100	677100	173900	83380	66080	2,477,090
540000	388200	213400	138600	82964	54290	2,060,494
540000	388200	907700	194190	58742	52654	2,133,218
540000	388100	101000	83872	40926	39672	1,213,994
540000	388200	592704	293810	80102	53686	2,593,244
540000	388100	633300	260216	63224	43950	2,257,840
540000	388200	800000	112326	56292	51122	2,035,502
540000	388100	240072	60736	36404	34262	1,674,600
540000	388200	333300	117324	40586	39234	1,549,408
540000	388200	710700	173390	62908	48784	2,905,074
540000	388200	630000	140066	63210	47974	2,444,710
540000	388200	370000	192304	67352	42946	1,766,526
540000	388200	70700	33296	24426	25320	892,242
540000	388200	307370	138398	60730	47302	2,336,518
540000	388200	108036	42192	30858	29480	1,114,298
540000	388200	700736	238042	74434	57570	2,673,106
540000	388100	303700	113962	51846	38016	2,434,530
540000	388200	203000	96202	35716	31802	1,398,510
540000	388200	227700	77706	44922	36050	1,344,356

(1) MEAN OF 4 HIGH YEARS

(2) SUBSTITUTED FROM 1906

(3) SUBSTITUTED FROM 1900

(4) MISSING DAYS SUBSTITUTED FROM 19

(5) MISSING DAYS SUBSTITUTED FROM 21
YEAR MEAN

(6) MISSING MONTHS SUBSTITUTED FROM
YEAR MEAN

(7) INTERPOLATED

(8) AVERAGE OF 5 SHORT WATER YEARS

BOISE RIVER - IN ACRE FEET

CHART NO. 4

IS BEGINNING 1894 = 1893

	JULY	AUGUST	SEPTEMBER	TOTAL
20	132300	63620	50000	1,559,520
40	303300	81960	57500	3,301,142
60 (3)	143300	67250	62520	2,045,950
80	116848	45720	39168	1,482,676
100	356160	109940	60900	2,914,444
120	84156	53500	51212	2,182,152
140	116400	58222	49704	1,985,716
160	106720	49496	40914	1,480,636
180	147500	53000	46344	2,269,856
200	201920	71972	43830	3,029,516
220	78860	39870	34660	1,183,050
240	163340	52410	41090	1,703,390
260	335840	101600	62070	3,207,380
280	197960	64920	55524	1,844,626
300	226000	63690	57220	2,744,790
320	110040	55970	56390	2,756,360
340	233040	74906	59636	2,494,052
360	173980	83380	66080	2,477,090
380	158660	82964	54290	2,060,494
400	124130	58742	52654	2,133,218
420	83872	40926	39672	1,213,994
440	293818	80102	53686	2,593,244
460	260216	65224	43950	2,257,840
480	112526	56292	51122	2,035,502
500	69736	36404	34262	1,674,600
520	117324	40586	39234	1,549,408
540	175390	62908	48784	2,905,074
560	148066	65210	47974	2,444,710
580	192504	67552	42946	1,766,526
600	35296	24426	25320	892,242
620	152598	60730	47302	2,336,518
640	42192	30858	29480	1,114,298
660	234042	74454	57570	2,673,106
680	115962	51846	38016	2,434,530
700	96482	35716	31802	1,398,510
720	77726	44922	36050	1,344,356

(1) MEAN OF 4 HIGH YEARS

(2) SUBSTITUTED FROM 1906

(3) SUBSTITUTED FROM 1900

(4) MISSING DAYS SUBSTITUTED FROM 1900

(5) MISSING DAYS SUBSTITUTED FROM 21
YEAR MEAN

(6) MISSING MONTHS SUBSTITUTED FROM 21
YEAR MEAN

(7) INTERPOLATED

(8) AVERAGE OF 5 SHORT WATER YEARS

TOTAL MONTHLY FLOW OF BOISE RIVER -

FOR IRRIGATION YEARS BEGINNING 189

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JU
1930-31	54512	45418	44108	44814	45298	91246	177172	251538	11084
1931-32	31424	31224	36376	38612	36754	135826	336006	564176	45822
1932-33	39142	56478	40596	43926	41136	64474	239342	341610	53819
1933-34	41684	47684	55656	79680	78948	151696	249648	204008	8562
1934-35	37226	49444	51208	52256	54336	83150	299458	428528	36326
1935-36	33616	38268	37352	44612	47356	100060	577594	625906	319284
1936-37	39772	36600	41556	37568	41728	89870	207358	381192	178996
1937-38	36226	49828	115760	67492	71566	191026	505100	711314	558138
1938-39	60626	67394	60980	52236	47170	164294	328918	341836	136300
1939-40	40474	38998	49268	53858	75724	201512	355842	434480	227258
1940-41	53168	59764	56634	54260	65368	113448	188300	365336	266776
1941-42	48600	63200	106838	62182	63162	87804	341622	325576	362374
1942-43	42564	64068	81782	153190	116564	235138	1006532	722804	627754
1943-44	61802	70704	55768	49412	52610	68094	164000	303208	247726
1944-45	40828	52200	42902	56270	80124	99160	202368	473146	405996
1945-46	45822	53670	74712	79530	65808	218604	639804	651660	378822
1946-47	67394	72214	109392	60364	87278	181276	289400	545764	297240
1947-48	56244	57582	55404	65522	60480	73396	264424	505792	459706
1948-49	44642	53918	51094	49038	45314	146834	416548	571670	304424
1949-50	49284	57162	51500	63202	75010	154776	402618	563086	548282
1950-51	61640	84448	88986	69948	125878	125072	556968	684894	440580
1951-52	79304	63432	86830	68642	77070	103020	677890	901634	518282
1952-53	52108	48642	54646	100936	88486	126730	329366	403582	588956
1953-54	44870	59728	57732	64266	92288	149836	381720	597550	339666
1954-55	49332	50178	46140	46716	40444	55940	129832	397270	419360
1955-56	51704	68686	205818	147212	104470	228258	636502	841354	582588
1956-57	66612	62464	69508	52448	92880	194092	361256	753940	518012
1957-58	54116	52148	58128	53682	121836	124694	323778	946374	501566
1958-59	51842	63796	83974	76466	69702	92542	276734	331594	362156
1959-60	86908	60852	48514	51664	64890	172830	358988	374362	333350
1960-61	47044	53842	47966	42454	58830	91230	172064	298818	229386
1961-62	52150	51660	51872	54554	78326	83072	407856	406458	425398
1962-63	71052	65014	65918	43612	147124	91904	180298	452916	411904
1963-64	53040	66998	51172	52170	53860	71218	262166	457280	407856
1964-65	47408	54288	258810	160396	182606	185530	624180	836232	778888
1965-66	65450	61218	52690	63168	47170	97960	248302	327154	178048
1966-67	40108	46514	49118	65592	60048	83580	138430	483144	526106
1967-68	58400	55142	49414	47040	98090	119292	152728	259286	278606
1968-69	63230	79000	63568	127936	87134	143928	654184	724322	396216
1969-70	56088	47734	52950	127058	101728	149020	189668	577010	571508

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

JANUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
45298	91246	177172	251538	110844	34042	23952	23940	946,884
36754	135826	336006	564176	458224	154044	57524	42730	1,922,980
41136	64474	239342	341610	538198	106458	43964	32200	1,507,524
78948	151696	249648	204008	85624	36200	23570	26072	1,080,470
54336	83150	299458	428528	363262	98220	38058	29980	1,585,126
47356	100060	577594	625906	319284	79080	43354	38360	1,984,848
41728	89870	207358	381192	178996	59986	25948	25746	1,166,380
71566	191026	505100	711314	558138	201292	71190	46910	2,625,842
47170	164294	328918	341896	136300	60358	28454	30436	1,379,002
75724	201512	355842	434480	227258	64910	30808	39548	1,612,680
65368	113448	188300	365336	266776	85452	54496	41720	1,404,788
63162	87804	341622	325576	362374	139112	46790	35496	1,682,756
116564	235138	1006532	722804	627754	359598	100484	53192	3,563,670
52610	68094	164000	303208	247726	106326	43264	35352	1,258,266
80124	99160	202368	473146	405996	139040	51650	39020	1,682,684
65808	218604	639804	651660	378822	125920	56618	45272	2,436,242
87278	181276	289400	545764	297240	110646	46168	38466	1,905,608
60480	73396	264424	505792	459706	109372	44612	36580	1,789,114
45314	146834	416548	571670	304424	93542	41120	31176	1,849,320
75010	154776	402618	563086	548282	239398	76620	48176	2,329,114
125878	125072	556968	684894	440580	195068	70970	42550	2,547,002
77070	103020	677890	901634	518282	171498	68760	49854	2,866,216
88486	126730	329366	403582	588956	254470	73246	48328	2,169,496
92288	149836	381720	597350	339666	179018	66360	41668	2,074,702
40444	55940	129832	397270	419360	131738	56754	40794	1,464,498
104470	228258	636502	841354	582588	188844	62734	55716	3,173,886
92880	194092	361256	753940	518012	148306	51944	53366	2,424,828
121836	124694	323778	946374	501566	142466	61766	54424	2,494,978
69702	92542	276734	331594	362156	104896	48432	67634	1,629,768
64890	172830	358988	374362	333350	81574	45758	46244	1,725,934
58830	91230	172064	298818	229386	56820	40060	38212	1,176,786
78326	83072	407856	406458	425398	142912	57452	49586	1,861,296
147124	91904	180298	452916	411904	148768	53310	56736	1,788,556
53860	71218	262166	457280	407856	152946	50092	52798	1,731,596
182606	185530	624180	836232	778888	338964	118326	77252	3,662,880
47170	97960	248302	327154	178048	54000	39052	37766	1,271,978
60048	83580	138430	483144	526106	177282	49100	45416	1,764,438
98090	119292	152728	259286	278606	76126	72200	55250	1,381,574
87134	143928	654184	724322	396216	128856	51278	48678	2,568,330
101728	149020	189668	577010	571508	205552	61036	54950	2,194,302

FLOW OF BOISE RIVER - IN ACRE FEET

CHART NO. 4

ON YEARS BEGINNING 1894 - 1895

MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
251538	110844	34042	23952	23940	946,884
564176	458224	154044	57524	42730	1,922,920
341610	538198	106458	43964	32200	1,587,524
204008	85624	36200	23570	26072	1,080,470
428528	363262	98220	38058	29980	1,585,126
625906	319284	79080	43354	38360	1,984,842
381192	178996	59986	25948	25746	1,166,320
711314	558138	201292	71190	46910	2,623,842
341836	136300	60358	28454	30436	1,379,002
434480	227258	64910	30808	39548	1,612,680
365336	266776	85452	54496	41720	1,404,722
325576	362374	139112	46790	35496	1,682,756
722804	627754	359598	100484	53192	3,563,670
303208	247726	106326	43264	35352	1,258,266
473146	405996	139040	51630	39020	1,682,684
651660	378822	125920	56618	45272	2,436,242
545764	297240	110646	46168	38466	1,903,602
505792	459706	109372	44612	36580	1,789,114
571670	304424	93542	41120	31176	1,849,320
563086	548282	239398	76620	48176	2,329,114
684894	440580	195068	70970	42550	2,547,002
901634	518282	171498	68760	49854	2,866,216
403582	588956	254470	73246	48328	2,169,496
597350	339666	179018	66360	41668	2,074,702
397270	419360	131738	56754	40794	1,464,498
841354	582588	188844	62734	55716	3,173,886
753940	518012	148306	51944	53366	2,424,828
946374	501566	142466	61766	54424	2,494,978
331594	362156	104896	48432	67634	1,629,768
374362	333350	81574	45758	46244	1,725,934
298818	229386	56820	40060	38212	1,176,726
406458	425398	142912	57452	49586	1,861,296
452916	411904	148768	53310	56736	1,788,556
457280	407856	152946	50092	52798	1,731,596
836232	778888	338964	118326	77252	3,662,880
327154	178048	54000	39052	37766	1,271,978
483144	526106	177282	49100	45416	1,764,438
259286	278606	76126	72200	55250	1,321,574
724322	396216	128856	51278	48678	2,568,330
577010	571508	205552	61036	54950	2,194,302

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	
59954	97070	100514	156024	167320	211494	548362	922614	708614	29
68434	61904	65210	101004	101026	446586	394274	752262	745556	208
67300	61702	69764	73772	58170	92920	180710	348218	227082	75
47726	97112	90004	130992	90940	259786	599914	736774	787716	238

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

CHART NO. 4

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
548362	922614	708614	297436	90500	64046	3,423,948
394274	752262	745556	208518	70876	61488	3,077,138
180710	348218	227082	75108	41870	45360	1,341,976
599914	736774	787716	238736	78966	54292	3,212,958

DISCHARGE IN SECOND FEET OF BOISE VALLEY
BY DAYS DURING THE IRRIGATION SEASON OF 1974.

[illegible]

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1974, INCLUDING STORAGE

[illegible]

CHART NO. 5

[illegible]

DISCHARGE IN SECOND FEET OF BOISE VALLEY
BY DAYS DURING THE IRRIGATION SEASON OF 1974, 1

NAME OF CANAL	MAY																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
AIKEN	6	5	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4
ANDREWS	31	31	31	31	32	32	32	32	32	31	31	30	30	29	29	29	29
BALLENTYNE	22	22	22	23	23	23	23	22	22	22	21	21	21	21	21	21	21
BAXTER	11	11	11	11	12	12	12	12	13	15	16	18	19	21	23	23	23
BOISE CITY	35	36	36	36	38	38	35	36	36	35	36	36	36	36	36	37	36
BOONE																	
BOWMAN-SWISHER	8	8	8	8	9	9	9	9	8	8	7	6	6	5	5	5	5
BUBB (SOUTH BOISE MUTUAL)	14	14	14	12	12	13	15	15	13	12	12	12	13	13	9	10	10
CALDWELL HIGH LINE	47	47	47	50	50	50	51	54	54	50	51	51	51	51	44	44	44
CAMPBELL (CANYON)	50	51	52	52	53	54	55	55	56	56	57	57	58	58	59	59	59
CANYON COUNTY	73	73	73	73	73	72	77	79	76	59	80	81	82	80	80	80	80
CONWAY-HAMMING					5	5	5	5	5	5	4	4	4	4	0	0	0
DAVIS DITCH	12	12	11	11	11	11	11	11	11	10	10	10	10	10	11	11	11
EUREKA #2	110	111	112	113	114	115	116	117	117	117	118	118	118	119	119	118	115
FARMERS UNION	231	255	258	271	273	274	287	287	287	0	269	269	270	271	271	250	250
GRAHAM-GILBERT																	
HAAS	20	19	17	16	15	14	12	10	10	10	10	11	11	4	4	4	0
HART-DAVIS	9	9	9	9	9	9	9	9	9	8	8	8	8	11	11	12	13
ISLAND HIGH LINE	46	46	46	46	45	45	45	45	45	45	44	44	44	8	8	8	8
LEMP	4	4	4	5	5	5	5	5	5	5	0	0	0	0	0	0	0
LITTLE PIONEER	37	37	36	35	35	34	34	35	36	36	37	38	39	40	40	39	38
LOWER CENTER POINT	33	33	33	33	33	33	33	33	33	33	33	34	34	34	34	34	34
MACE-CATLIN	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
MACE-MACE																	
MAMMON	3	3	3	3	3	3	3	10	10	10	10	10	10	10	3	3	3
MCCONNEL ISLAND	74	74	74	74	74	74	74	74	73	72	71	70	70	69	69	69	69
MCMAHUS & TEATER	0	0	0	0	9	9	9	9	8	8	7	7	6	6	5	5	4
MEEVES #1	2	2	1	1	0	2	2	0	0	5	5	5	8	5	5	4	4
MEEVES #2	0	0	0	2	2	0	0	0	0	0	3	3	0	0	0	0	3
MIDDLETON	190	188	187	216	208	207	198	205	202	187	217	197	197	177	179	177	176
NEW DRY CREEK	101	101	92	95	95	82	95	95	95	85	85	85	83	60	60	60	60
NEW YORK CANAL (B. OF C.)	2657	2668	2524	2524	2519	2535	2578	2584	2595	2662	2668	2702	2696	2696	2707	2696	2730
PARMA	31	30	29	28	27	26	25	24	24	23	23	23	22	22	22	22	22
PENITENTIARY	10	12	12	12	12	12	12	12	10	10	11	11	10	8	9	8	8
PHYLLIS	435	444	471	471	471	487	467	487	487	453	485	481	465	444	423	419	398
RIDENBAUGH	503	506	535	531	537	530	539	542	539	0	547	546	545	547	544	547	544
RIVERSIDE	283	283	228	229	222	223	212	216	255	252	249	258	293	260	269	274	241
ROEDEL																	
ROSSI MILL	11	11	11	10	2	7	3	3	3	11	11	9	10	13	11	10	11
SEBREE (FARMERS CO-OP)	260	273	268	295	295	295	300	300	300	278	292	300	270	273	273	273	260
SETTLERS	183	185	187	187	186	186	187	187	189	0	192	201	200	201	200	198	199
SEVEN SUCKERS																	
SIEBENBERG	12	12	12	12	11	11	11	11	11	12	12	13	13	14	14	14	13
THURMAN MILL	31	32	32	33	33	34	34	34	34	34	34	34	34	34	33	33	32
UPPER CENTER POINT	20	20	20	20	21	21	21	21	21	21	20	20	20	19	20	21	21
WARM SPRINGS DITCH														7	7	7	0
TOTAL CANAL DIVERSIONS	5611	5674	5517	5589	5584	5602	5646	5695	5735	4690	5799	5834	5817	5738	5728	5700	5624
MISCELLANEOUS																	
TOTAL DIVERSIONS																	

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1974, INCLUDING STORAGE

	MAY																													
	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30						
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3						
32	32	32	31	31	30	30	29	29	29	29	29	29	29	29	29	29	30	30	31	31	32	32	33	33						
23	22	22	22	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21						
12	12	13	15	16	18	19	21	23	23	23	23	23	23	23	23	23	22	21	20	19	17	16	15	14						
35	36	36	35	36	36	36	36	36	36	37	36	36	36	37	36	36	37	39	34	40	42	38	37	37						
9	9	8	8	7	6	6	5	5	5	5	4	4	3	3	3	4	5	7	8	9	10	11	12							
15	15	13	12	12	12	13	13	9	10	10	10	10	10	10	12	14	16	15	13	11	11	12	14	14						
51	54	54	50	51	51	51	51	51	44	44	44	44	44	44	43	44	44	44	44	44	44	43	43	43						
55	55	56	56	57	57	58	58	58	59	59	60	60	61	61	61	61	60	60	60	60	59	59	59	58						
77	79	76	59	80	81	82	80	80	80	80	71	74	72	74	74	74	73	70	75	75	74	75	74							
5	5	5	5	4	4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0							
11	11	11	10	10	10	10	10	10	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12							
116	117	117	117	118	118	118	119	119	118	116	115	113	112	111	110	109	108	107	106	106	105	104	103							
287	287	287	0	269	269	270	271	271	271	250	250	250	233	233	255	254	254	261	259	258	258	258	258							
							4	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0							
	12	10	10	10	10	11	11	11	11	12	13	13	14	15	15	16	16	16	16	16	15	15	15	15						
	9	9	9	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7							
	45	45	45	45	45	44	44	44	44	45	46	47	47	48	49	50	50	50	50	50	51	51	51	51						
	5	5	5	5	0	0	0	0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	8							
	34	35	36	36	37	38	39	40	40	39	39	38	38	37	37	38	40	42	44	46	47	49	50	50						
	33	33	33	33	33	34	34	34	34	34	34	34	33	33	33	33	33	33	33	33	32	32	32	32						
	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5						
	3	10	10	10	10	10	10	10	10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7						
	74	74	73	72	72	71	70	70	69	69	69	69	69	69	69	69	69	70	70	70	71	71	71	71						
	9	9	9	8	8	7	7	6	6	5	5	4	4	4	3	2	2	2	2	2	3	3	3	3						
	2	0	0	5	5	5	8	8	5	5	4	4	4	7	7	4	3	3	3	3	6	6	6	6						
	0	0	0	0	3	3	0	0	0	0	0	3	3	0	0	0	0	3	3	3	0	0	0	0						
	17	198	205	202	187	217	197	177	179	177	177	176	174	174	176	176	176	176	173	173	170	167	173	173						
	95	95	95	85	85	85	83	60	60	60	60	60	60	69	60	60	60	60	60	60	76	81	81							
	2578	2584	2595	2662	2668	2702	2696	2696	2707	2696	2730	2730	2724	2724	2707	2713	2707	2690	2696	2707	2707	2702	2713	2707						
	25	24	24	23	23	23	22	22	22	22	22	22	23	23	23	23	23	22	22	22	21	21	20	20						
	12	12	10	10	11	11	10	8	9	8	8	8	8	8	8	8	8	8	8	9	9	9	9							
	467	487	487	453	485	481	465	444	423	419	416	398	398	398	402	400	402	419	414	421	429	421	422	423						
	539	542	539	0	547	546	545	547	544	547	547	544	545	539	542	542	535	539	539	537	538	538	537	537						
	212	216	255	252	249	258	293	260	269	274	273	241	265	273	241	266	245	247	247	245	244	249	263	273						
	3	3	3	11	11	9	10	13	11	10	10	11	11	9	9	10	10	10	11	10	11	7	8	8						
	300	300	300	278	292	300	270	273	273	273	273	273	260	260	240	244	246	246	241	265	265	265	263	263						
	187	187	189	0	192	201	200	201	200	198	198	198	199	190	189	186	186	186	186	186	191	191	193	191						
	11	11	11	12	12	13	13	14	14	14	14	14	13	13	13	13	12	11	11	10	10	9	8	7						
	34	34	34	34	34	34	34	34	34	33	33	33	32	32	32	32	33	33	33	34	34	34	34	34						
	21	21	21	21	20	20	20	19	19	20	20	21	21	22	22	23	23	23	23	23	22	22	22	22						
							7	7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
02	5646	5695	5735	4690	5799	5834	5817	5738	5728	5700	5707	5636	5642	5624	5555	5611	5585	5589	5591	5636	5647	5644	5679	5682	5					

CHART NO. 5

5	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	3	122
29	29	29	29	29	29	29	29	30	30	31	31	32	32	33	33	32	951
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	665
23	23	23	23	23	23	23	23	22	21	20	19	17	16	15	14	14	536
36	37	36	36	36	37	36	36	37	39	34	40	42	38	37	37	39	1138
0																	
5	5	5	4	4	3	3	3	4	5	7	8	9	10	11	12	11	217
9	10	10	10	10	10	12	14	16	15	13	11	11	12	14	14	11	386
51	44	44	44	44	44	43	44	44	44	44	44	44	43	43	43	43	1454
58	59	59	60	60	61	61	61	61	60	60	60	59	59	59	58	58	1777
80	80	80	71	74	72	74	74	74	73	70	75	75	74	75	74	79	2325
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
10	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	350
119	118	116	115	113	112	111	110	109	108	107	106	106	105	104	103	104	3481
271	271	250	250	250	233	233	255	254	254	261	259	258	258	258	258	258	7833
0																	
4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
11	12	13	13	14	15	15	16	16	16	16	16	15	15	15	15	15	434
8	8	8	8	8	8	8	8	8	8	7	7	7	7	7	7	8	251
44	45	46	47	47	48	49	50	50	50	50	50	51	51	51	51	50	1461
0	0	0	0	0	0	0	0	0	0	8	8	8	8	8	8	8	103
0																	
40	39	39	38	38	37	37	38	40	42	44	46	47	49	50	50	49	1232
34	34	34	34	33	33	33	33	33	33	33	33	32	32	32	32	32	1025
6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	179
0																	
10	3	3	3	3	3	3	3	3	3	3	3	3	3	3	7	7	157
0																	
69	69	69	69	69	69	69	69	69	69	70	70	70	71	71	71	70	2203
6	5	5	4	4	3	2	2	2	2	2	2	3	3	3	3	3	135
5	5	4	4	4	7	7	4	4	3	3	3	6	6	3	3	3	115
0	0	0	3	3	0	0	0	0	0	3	3	0	0	0	0	0	22
179	177	177	176	174	174	176	176	176	176	173	173	170	167	173	173	179	5745
0																	
60	60	60	60	60	69	60	60	60	60	60	60	60	76	81	81	81	2357
2707	2696	2730	2730	2724	2724	2707	2713	2707	2690	2696	2707	2707	2702	2713	2707	2668	82636
22	22	22	22	23	23	23	23	23	23	22	22	21	21	20	20	19	728
9	8	8	8	8	8	8	8	8	8	8	8	9	9	9	9	10	297
423	419	416	398	398	398	402	400	402	419	414	421	429	421	422	423	425	13578
0																	
544	547	547	544	545	539	542	542	535	539	539	537	538	538	537	537	539	16136
269	274	273	241	265	273	241	266	245	247	247	245	244	249	263	273	276	7854
0																	
11	10	10	11	11	9	9	10	10	10	11	10	11	7	8	8	9	280
273	273	273	273	260	260	240	244	246	246	241	265	265	265	263	263	263	8412
0																	
200	198	198	198	199	190	189	186	186	186	186	186	191	191	193	191	190	5729
0																	
14	14	14	14	13	13	13	13	12	11	11	10	10	9	8	7	6	359
34	33	33	33	32	32	32	32	33	33	33	34	34	34	34	34	34	1031
19	20	20	21	21	22	22	23	23	23	23	23	22	22	22	22	22	655
7	7	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
5728	5700	5707	5636	5642	5624	5555	5611	5585	5589	5591	5636	5647	5644	5679	5682	5656	174443
261																	
174700																	

DISCHARGE IN SECOND FEET OF BOISE VA
BY DAYS DURING THE IRRIGATION SEASON OF 197

NAME OF CANAL	JUNE															
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
AIKEN	3	3	3	3	3	3	3	3	3	3	4	5	5	6	6	7
ANDREWS	31	30	29	28	27	29	32	34	37	39	42	45	44	43	43	42
BALLENTYNE	22	22	22	22	22	22	21	21	21	21	21	21	21	20	20	20
BAXTER	14	14	13	13	13	13	13	14	14	14	15	15	15	15	15	14
BOISE CITY	39	37	36	36	36	36	36	35	36	37	36	36	35	36	36	36
BOONE																
BOWMAN-SWISHER	11	10	9	9	8	9	10	10	11	11	12	13	13	13	12	12
BUBB (SOUTH BOISE MUTUAL)	11	11	12	14	7	9	9	6	9	14	13	13	19	16	12	13
CALDWELL HIGH LINE	43	43	44	54	46	46	46	46	46	46	45	46	46	46	46	46
CAMPBELL (CANYON)	57	57	56	56	56	55	55	54	54	53	53	54	55	56	56	58
CANYON COUNTY	79	79	79	75	76	77	71	68	69	69	67	67	74	74	75	79
CONWAY-HAMMING	5	5	5	5	5	5	0	0	0	0	0	0	0	5	5	5
DAVIS DITCH	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
EUREKA #2	105	106	106	107	108	108	107	107	106	106	105	105	106	108	110	112
FARMERS UNION	259	259	261	261	234	236	236	223	223	219	241	266	276	287	278	279
GRAHAM-GILBERT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HAAS	15	15	15	15	15	15	15	15	14	14	14	14	15	16	17	17
HART-DAVIS	8	9	9	8	7	6	6	5	4	3	5	7	9	10	11	13
ISLAND HIGH LINE	49	48	47	46	45	45	45	45	46	46	46	46	45	45	44	43
LEMP	0	0	0	0	0	0	2	2	2	2	2	3	3	4	4	5
LITTLE PIONEER	49	49	48	48	48	48	48	49	49	49	49	50	50	51	51	52
LOWER CENTER POINT	32	32	32	32	32	32	31	30	30	29	28	28	29	29	30	31
MACE-CATLIN	5	6	6	6	6	6	6	7	7	7	7	7	8	8	9	9
MACE-MACE	7	7	7	7	10	10	10	10	10	10	10	10	10	10	10	10
MAMMON	70	69	68	68	67	66	65	65	64	63	62	61	62	63	64	64
MCCONNEL ISLAND	3	3	4	4	4	4	4	4	3	3	3	3	3	3	4	4
MCMANUS & TEATER	3	3	5	5	3	3	0	0	0	0	0	0	0	4	4	4
MEEVES #1	2	2	0	0	0	0	0	2	2	0	0	0	0	4	4	4
MEEVES #2	176	176	176	169	171	161	158	149	153	156	156	155	153	152	167	176
MIDDLETON	81	81	80	81	81	81	74	74	66	68	66	89	89	89	79	95
NEW DRY CREEK	2674	2662	2668	2662	2674	2513	2513	2562	2557	2562	2612	2618	2618	2618	2674	2674
NEW YORK CANAL (B. OF C.)	18	17	17	16	15	16	17	17	18	19	19	20	20	19	18	18
PARMA	11	11	11	11	11	11	8	8	8	8	8	9	9	9	12	12
PENITENTIARY	423	425	423	427	393	336	348	325	323	356	405	408	408	408	437	459
PHYLLIS	542	543	539	542	528	530	531	533	533	530	539	534	539	539	544	547
RIDENBAUGH	257	255	258	258	289	300	266	277	265	266	245	232	218	213	204	209
RIVERSIDE	8	9	10	11	10	13	19	18	12	12	11	12	14	18	15	20
ROEDEL	265	268	265	271	273	275	270	263	241	230	303	297	295	348	336	372
ROSSI MILL	191	190	191	189	175	172	167	166	167	146	148	159	165	167	167	187
SEBREE (FARMERS CO-OP)	6	5	5	4	4	6	9	11	14	16	3	3	3	4	4	4
SETTLERS	33	33	33	32	32	31	30	30	29	29	19	21	21	20	20	19
SEVEN SUCKERS	22	22	21	21	21	21	21	21	22	22	30	31	32	32	33	34
SIEBENBERG	0	0	0	0	0	0	0	0	0	0	22	22	22	23	23	24
THURMAN MILL											0	0	0	0	0	0
UPPER CENTER POINT																
WARM SPRINGS DITCH																
TOTAL CANAL DIVERSIONS	5640	5627	5624	5627	5566	5360	5313	5320	5279	5292	5477	5536	5560	5638	5623	5818
MISCELLANEOUS																
TOTAL DIVERSIONS																

DISCHARGE IN SECOND FEET OF NOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1974, INCLUDING STORAGE

[illegible]

VALLEY CANALS
1974, INCLUDING STORAGE

CHART NO. 5

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
7	8	7	6	5	4	3	2	1	1	1	2	2	3	3		111
42	42	41	40	40	40	39	39	39	38	38	34	31	27	24		1087
20	20	20	20	20	21	21	21	21	20	19	19	18	18	17		614
14	14	14	14	14	14	14	13	13	13	13	13	13	13	0		399
36	36	36	39	38	36	36	36	38	36	36	36	36	35	34		1087
																0
12	12	11	11	12	13	15	16	17	18	19	18	16	14	12		377
13	18	17	14	14	15	15	15	15	13	13	13	15	13	15		393
46	55	53	55	53	53	53	53	54	59	54	54	53	51	51		1486
57	58	59	60	61	62	63	64	65	66	63	60	58	55	52		1730
79	77	81	81	83	85	85	87	88	88	87	88	84	80	82		2354
5	5	5	5	5	0	0	0	0	0	0	0	0	0	0		65
11	11	11	11	11	12	12	12	12	12	12	12	11	11	11		337
112	113	115	117	118	119	120	122	123	124	125	108	91	74	57		3238
278	279	278	292	290	290	290	292	292	292	292	292	292	292	280		8080
0	0	0	0	0	3	3	3	3	0	0	0	0	0	0		12
17	18	19	20	19	19	18	18	17	17	16	16	16	16	15		485
13	14	13	12	10	9	8	7	6	7	8	9	9	10	10		252
43	43	42	42	43	43	44	44	45	45	46	43	40	38	35		1324
5	5	5	5	5	0	0	0	0	0	0	0	0	0	0		49
52	53	54	52	50	47	44	42	39	37	39	41	43	45	48		1422
31	31	32	32	32	31	31	30	30	29	29	27	26	24	23		894
9	9	9	9	10	10	10	11	11	10	9	9	8	8	7		239
																0
10	10	10	10	10	10	10	10	10	10	10	10	10	10	0		278
64	65	66	67	67	68	68	69	69	70	70	67	64	61	58		1970
4	4	5	5	5	5	6	6	6	7	7	7	7	7	0		133
4	9	9	4	4	1	1	1	3	3	1	2	2	2	3		79
5	5	0	0	0	0	5	5	0	0	0	0	0	2	2		32
7	176	186	187	187	195	195	195	198	195	197	195	205	194	193		5324
9	95	85	92	92	74	74	74	96	98	98	98	74	74	85		2462
8	2674	2674	2668	2679	2679	2696	2741	2786	2791	2791	2786	2808	2791	2797		80188
9	18	18	17	17	18	18	19	19	20	20	19	18	17	16		538
9	12	12	12	12	12	13	13	13	13	13	13	13	12	12		329
38	437	459	481	489	499	507	507	505	507	505	505	505	501	507		13231
44	547	547	550	543	544	542	542	538	539	537	537	544	545	544	544	16189
44	209	214	204	203	202	209	214	214	221	217	226	220	213	206	206	6981
																0
15	20	17	15	18	18	18	18	12	12	12	11	11	10	11	10	405
36	372	378	371	363	366	348	378	378	378	378	378	375	360	375	378	9776
57	187	188	191	192	189	196	196	197	196	197	197	198	198	198	197	5477
4	4	4	4	4	3	3	3	2	2	2	2	2	3	3	3	64
10	20	19	19	19	19	20	20	21	21	22	22	21	20	18	17	479
13	34	35	35	35	34	34	34	33	33	33	33	32	32	32	31	970
13	24	24	25	25	25	24	24	23	23	22	22	22	22	22	0	653
0	0	0	0	0	0	6	6	6	6	6	6	6	0	0	0	42
3	5818	5869	5883	5901	5895	5912	5952	5992	6064	6066	6065	6027	5967	5907	5835	171635
																238
																171872

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1974, INCLUDING STORAGE

	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	5	5	5
	13	0	0	0	0	0	0	0	21	21	21	21	20	19	18	18	17	16	15	16	18	19	21
	20	20	20	20	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
	0	11	11	11	11	11	10	10	9	9	8	8	8	8	7	7	7	6	6	6	7	7	8
	32	32	32	34	33	33	31	32	34	35	35	36	37	36	36	36	36	35	36	35	35	35	35
8	8	0	0	0	0	0	0	0	14	14	14	14	14	14	14	13	13	13	13	12	11	10	9
0	10	12	12	10	10	9	10	12	11	12	13	11	11	11	11	12	11	11	10	9	11	11	12
6	46	46	56	46	46	45	45	45	45	37	50	50	50	50	50	50	44	45	43	43	43	42	48
9	49	50	50	51	51	48	46	43	41	39	37	37	37	37	38	38	38	38	38	38	38	38	38
3	61	61	77	78	62	59	54	71	66	64	69	72	77	78	75	82	77	77	81	79	77	83	82
0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	3	3	3	4	4	5	5	6
1	11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10	10	10	11	11	11	12	12
50	64	78	92	106	108	110	112	114	116	118	119	119	118	117	117	116	116	115	114	112	111	109	108
72	272	270	259	250	241	241	240	241	241	262	261	261	255	257	254	254	254	254	254	255	255	255	257
3	3	3	3	3	3	3	3	0	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3
16	16	17	17	18	18	18	17	17	16	16	15	15	15	15	16	16	16	17	17	17	17	17	18
9	9	9	9	9	8	8	8	7	7	7	7	8	8	9	9	10	10	10	10	10	10	10	10
50	57	64	71	78	85	77	69	61	53	46	38	30	34	39	43	47	52	56	60	58	56	54	52
0	0	0	0	0	0	0	0	5	5	5	5	5	5	5	4	4	4	4	4	4	4	4	4
46	44	42	40	38	36	33	31	29	27	25	34	44	44	44	44	44	44	43	42	41	41	40	39
25	27	29	31	33	34	35	35	36	36	37	38	38	38	39	39	39	40	40	40	40	41	41	41
7	7	7	7	7	7	6	6	6	6	6	6	7	7	8	8	9	9	9	9	9	9	9	9
0	0	1	1	1	1	1	1	1	1	1	1	6	6	6	6	6	6	6	6	6	6	7	7
46	45	45	44	43	42	42	43	43	43	44	44	44	44	43	43	43	42	42	41	41	40	40	40
0	10	10	10	10	10	10	9	9	9	8	8	8	8	8	7	7	7	7	7	6	6	6	5
0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	6	6	5	5	4	4	4
0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0
116	128	167	145	146	149	138	141	135	134	132	153	149	179	181	176	168	168	171	170	171	170	171	170
83	83	76	74	54	54	54	47	47	49	47	74	74	74	79	79	85	79	79	79	79	79	92	84
802	2808	2791	2786	2702	2679	2629	2629	2640	2623	2629	2618	2623	2640	2651	2646	2640	2640	2640	2634	2640	2640	2646	2640
14	14	15	15	16	16	16	15	15	15	14	14	14	14	14	15	15	15	16	16	16	15	15	14
12	12	12	12	9	7	7	7	7	7	7	7	7	9	10	10	9	9	9	12	12	12	12	12
511	503	497	444	370	372	370	372	374	372	397	372	419	423	471	473	477	466	469	467	463	461	459	457
553	553	551	550	539	535	534	537	535	540	539	539	537	538	537	537	535	537	537	542	543	542	544	542
208	218	220	235	262	249	253	230	224	224	214	218	194	208	200	217	223	214	221	221	224	227	223	223
10	10	10	10	10	9	10	8	8	10	8	8	8	9	9	9	10	9	9	9	9	9	9	9
321	321	297	297	280	265	263	260	258	244	255	316	312	295	300	309	321	315	315	303	303	303	306	309
194	194	192	177	162	172	164	166	166	166	167	167	168	182	189	190	190	190	191	174	184	179	178	178
3	3	3	3	3	3	0	0	0	0	0	0	0	0	3	3	3	3	3	3	3	0	0	0
9	8	6	5	4	5	7	8	9	11	13	14	13	12	11	11	10	9	9	11	10	12	13	14
0	0	0	0	0	0	23	23	23	23	23	23	23	23	23	23	23	23	23	23	24	24	24	24
0	21	21	21	21	21	21	21	20	20	20	20	20	20	20	19	19	19	19	19	20	20	21	21
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8
5622	5692	5687	5638	5446	5383	5318	5274	5283	5278	5310	5405	5434	5506	5588	5608	5630	5593	5610	5585	5594	5586	5609	5599

CHART NO. 5

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
3	3	3	3	3	3	3	3	3	4	4	4	5	5	5	5	5	113
21	21	21	21	20	19	18	18	17	16	15	16	18	19	21	23	24	430
12	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	567
9	9	8	8	8	8	7	7	7	6	6	6	7	7	8	8	9	203
34	35	35	36	37	36	36	36	36	35	36	35	35	35	35	36	36	1067
0																	
14	14	14	14	14	14	14	13	13	13	13	12	11	10	9	8	8	268
11	12	13	11	11	11	11	12	11	11	10	9	11	11	12	13	13	350
43	37	50	50	50	50	50	50	44	45	43	43	43	42	48	49	48	1432
41	39	37	37	37	37	38	38	38	38	38	38	38	38	38	38	38	1320
66	64	69	72	77	78	75	82	77	77	81	79	77	83	82	87	87	2275
0	0	0	0	0	3	3	3	3	3	4	4	5	5	6	6	6	51
11	11	11	11	10	10	10	10	10	10	11	11	11	12	12	12	12	339
116	118	119	119	118	117	117	116	116	115	114	112	111	109	108	106	105	2898
241	262	261	261	255	257	254	254	254	254	254	255	255	255	257	255	257	7985
0																	
16	16	15	15	15	15	16	16	16	17	17	17	17	17	18	18	18	509
7	7	7	8	8	9	9	10	10	10	10	10	10	10	10	10	10	280
53	46	38	30	34	39	43	47	52	56	60	58	56	54	52	50	48	1596
5	5	5	5	5	5	4	4	4	4	4	4	4	4	4	4	4	79
0																	
27	25	34	44	44	44	44	44	44	43	42	41	41	40	39	38	38	1258
36	37	38	38	38	39	39	39	40	40	40	40	41	41	41	42	42	1057
9	6	6	7	7	8	8	9	9	9	9	9	9	9	9	9	10	234
0																	
1	1	1	6	6	6	6	6	6	6	6	6	6	7	7	7	8	99
0																	
43	44	44	44	44	43	43	43	42	42	41	41	40	40	40	41	42	1356
9	8	8	8	8	8	7	7	7	7	7	6	6	6	5	5	5	195
0	0	0	0	6	6	6	6	6	6	5	5	4	4	4	4	4	78
0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	4
134	132	153	149	179	181	176	168	168	171	170	171	170	171	170	162	164	4782
0																	
49	47	74	74	74	79	79	85	79	79	79	79	79	92	84	92	92	2291
2623	2629	2618	2623	2640	2651	2646	2640	2640	2640	2634	2640	2640	2646	2640	2646	2646	83298
15	14	14	14	14	14	15	15	15	16	16	16	15	15	14	14	13	450
7	7	7	7	9	10	10	9	9	9	12	12	12	12	12	12	12	304
374	397	374	419	423	471	473	477	466	469	467	463	461	459	457	460	463	13935
0																	
540	539	539	537	538	537	537	535	537	537	542	543	542	544	542	542	542	16794
224	214	218	194	208	200	217	223	214	221	221	224	227	223	223	210	224	6829
0																	
10	8	8	8	9	9	9	10	9	9	9	9	9	9	9	10	10	291
244	255	316	312	295	300	309	321	315	315	303	303	303	306	309	309	334	9456
0																	
166	167	167	168	182	189	190	190	190	191	174	184	179	178	178	178	177	5614
0	0	0	0	0	3	3	3	3	3	3	3	0	0	0	0	0	54
11	13	14	13	12	11	11	10	9	9	11	10	12	13	14	15	16	329
23	23	23	23	23	23	23	23	23	23	23	24	24	24	24	24	25	591
20	20	20	20	20	20	19	19	19	19	19	20	20	21	21	22	22	508
7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8	193
0																	
5278	5310	5405	5434	5506	5588	5608	5630	5593	5610	5585	5594	5586	5609	5599	5602	5649	171846
288																	
17213																	

DISCHARGE IN SECOND FEET OF BOISE VALLEY
BY DAYS DURING THE IRRIGATION SEASON OF 1974, 1

AUGUST

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
AIKEN	5	6	6	6	6	6	6	6	5	5	5	5	5	5	4	4	4
ANDREWS	25	25	25	25	25	25	25	25	25	24	24	23	23	22	22	22	22
BALLENTYNE	18	19	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18
BAXTER	9	10	10	11	12	12	13	13	13	13	13	13	13	13	13	13	13
BOISE CITY	35	35	36	36	36	36	36	36	36	34	35	36	35	35	35	35	35
BOONE																	
BOWMAN-SWISHER	7	7	8	8	9	9	10	10	9	9	8	7	7	6	5	5	6
BUBB (SOUTH BOISE MUTUAL)	10	10	10	11	12	12	14	14	11	11	11	11	11	10	10	10	9
CALDWELL HIGH LINE	48	48	48	42	43	47	43	48	47	48	48	42	42	42	47	47	47
CAMPBELL (CANYON)	38	39	39	39	40	40	40	40	40	40	40	40	40	40	40	40	40
CANYON COUNTY	85	77	79	83	83	81	80	70	73	79	73	72	74	77	66	65	68
CONWAY-HAMMING	6	6	5	5	5	5	5	5	5	0	0	0	0	0	0	0	4
DAVIS DITCH	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
EUREKA #2	107	109	111	113	115	117	119	119	118	118	118	117	117	117	116	114	112
FARMERS UNION	259	262	264	259	259	258	257	255	252	251	255	254	254	255	248	248	238
GRAHAM-GILBERT	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3
HAAS	18	17	16	15	14	14	13	12	13	14	14	15	15	16	17	16	15
HART-DAVIS	9	9	9	8	8	8	8	7	7	7	6	6	6	6	7	7	8
ISLAND HIGH LINE	46	47	49	50	52	53	55	56	54	52	50	48	47	45	43	43	42
LEMP	4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	5	5
LITTLE PIONEER	38	38	39	39	39	39	39	38	38	37	37	36	36	35	34	33	32
LOWER CENTER POINT	43	44	44	45	46	46	47	47	46	46	45	45	45	45	46	46	47
MACE-CATLIN	10	11	12	12	13	13	13	13	0	0	0	0	0	0	0	9	9
MACE-MACE	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2
MAMMON	8	8	8	8	3	3	3	3	3	3	3	4	4	4	4	4	4
MCCONNEL ISLAND	43	42	41	40	38	37	36	35	35	34	34	34	33	33	33	32	31
MCMAHON & TEATER	5	5	6	6	6	7	7	7	6	6	5	5	4	4	4	4	3
MEEVES #1	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3
MEEVES #2	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	1
MIDDLETON	159	156	156	158	156	156	158	158	140	144	146	143	144	150	152	152	167
NEW DRY CREEK	79	79	79	79	76	79	76	76	76	76	76	76	76	69	69	69	69
NEW YORK CANAL (B. OF C.)	2646	2634	2634	2634	2634	2634	2634	2623	2623	2618	2618	2618	2618	2618	2646	2646	2646
PARMA	13	14	15	16	18	19	20	21	20	19	18	16	15	14	13	13	13
PENITENTIARY	12	12	12	12	12	11	12	12	12	11	11	10	6	6	6	6	6
PHYLLIS	463	461	459	459	455	456	453	457	457	435	442	442	446	427	423	423	423
RIDENBAUGH	544	539	543	542	541	542	544	553	561	560	542	542	542	542	542	542	542
RIVERSIDE	213	214	218	224	227	217	233	236	235	239	241	245	247	247	242	249	245
ROEDEL																	
ROSSI MILL	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9	10	10
SEBREE (FARMERS CO-OP)	330	321	321	330	330	315	321	318	315	315	312	309	309	304	297	297	300
SETTLERS	176	175	174	174	172	180	180	180	181	182	182	184	179	170	165	165	165
SEVEN SUCKERS	0	4	4	4	4	4	4	4	0	0	0	0	0	0	0	3	3
SIEBENBERG	16	16	16	15	15	15	14	14	13	13	12	12	11	11	11	11	12
THURMAN MILL	25	26	27	27	28	28	28	28	28	28	28	28	28	28	28	27	27
UPPER CENTER POINT	21	21	20	19	19	18	18	18	17	17	17	16	16	16	17	18	19
WARM SPRINGS DITCH	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7
TOTAL CANAL DIVERSIONS	5612	5589	5605	5617	5612	5603	5626	5629	5577	5554	5534	5516	5511	5481	5438	5478	5477
MISCELLANEOUS																	
TOTAL DIVERSIONS																	

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1974, INCLUDING STORAGE

CH

[illegible]

STORAGE

CHART NO. 5

19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
3	3	3	3	3	3	3	3	3	3	3	3	3	131
21	21	21	21	21	21	21	22	22	22	22	22	22	708
18	18	18	18	18	18	18	18	18	18	19	19	19	575
13	13	13	13	13	13	13	13	13	13	13	13	13	389
33	34	35	34	34	34	34	35	35	35	35	35	34	1084
7	7	8	8	9	10	10	11	11	12	13	13	13	0
10	10	11	11	11	10	10	10	11	10	10	9	9	268
48	46	48	48	46	51	51	51	51	50	48	48	43	328
39	39	39	39	39	39	38	38	38	38	38	38	39	1454
70	83	86	70	75	79	82	83	83	74	77	68	75	1215
4	4	4	4	4	4	4	4	4	4	4	4	4	2369
12	12	12	11	11	11	10	10	10	10	10	10	10	107
109	107	106	105	104	103	102	101	100	99	99	99	100	355
239	237	236	234	234	233	231	230	230	231	231	231	229	3401
239	237	236	234	234	233	231	230	230	231	231	231	229	7592
2	2	2	2	2	3	3	3	3	3	3	3	3	93
13	12	11	10	10	10	10	9	9	9	9	9	9	398
8	8	8	8	9	9	9	9	9	9	9	9	8	245
41	40	39	39	39	39	39	40	40	40	40	41	41	1391
5	5	5	5	5	6	6	6	6	6	6	5	5	158
31	30	32	35	37	40	42	45	47	46	45	44	42	1174
47	48	48	47	46	45	44	43	42	41	41	41	41	1393
9	9	9	9	9	9	9	9	9	9	9	9	10	242
2	2	2	2	2	2	2	2	2	2	2	2	2	71
4	1	1	1	1	1	1	1	1	1	1	1	1	94
30	29	28	27	27	26	26	25	25	24	24	26	28	986
3	3	3	3	3	3	4	4	4	4	4	4	4	140
3	3	3	3	3	0	0	0	0	0	0	0	1	62
1	0	0	0	0	0	1	0	0	0	0	0	0	4
161	159	155	144	137	134	134	135	145	141	140	147	138	4623
83	85	85	85	85	69	69	65	69	69	85	85	85	2374
2646	2657	2646	2646	2657	2662	2651	2640	2640	2646	2651	2634	2634	81768
14	14	14	14	14	14	14	14	14	14	14	14	14	472
6	6	9	9	9	9	9	10	10	10	10	10	10	295
423	422	421	422	425	427	425	425	399	389	387	389	364	13324
542	544	526	499	499	499	499	500	499	501	499	492	493	16399
245	218	215	213	216	223	223	214	223	215	214	211	210	7056
8	8	9	9	9	8	9	9	9	9	9	8	7	0
295	297	300	315	315	309	306	306	292	294	292	295	283	279
165	166	166	165	164	164	164	164	165	165	165	164	165	9540
3	3	3	3	0	0	0	0	0	0	0	0	2	51
12	12	12	12	12	12	11	11	11	11	11	11	11	391
27	27	27	27	27	27	27	27	27	27	26	26	26	842
20	21	22	22	21	21	21	20	20	20	20	20	19	593
7	7	7	8	8	9	9	11	11	11	11	10	10	261

5478 5475 5448 5403 5410 5409 5394 5376 5360 5335 5349 5322 5279 169986
 279
 170265

BY DAYS DURING THE IRRIGATION SEASON OF 1974, INC

NAME OF CANAL	SEPTEMBER																
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
AIKEN	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2
ANDREWS	21	21	21	20	20	20	20	20	20	19	19	19	19	19	18	18	17
BALLENTYNE	20	20	20	19	17	16	14	12	11	11	11	11	12	12	12	12	12
BAXTER	14	14	14	15	15	15	15	15	15	14	14	14	14	14	13	13	12
BOISE CITY	32	32	32	34	34	34	34	33	34	33	33	32	32	34	25	31	30
BOONE																	
BOWMAN-SWISHER	13	13	14	14	14	14	13	11	10	9	8	7	7	7	7	0	0
BUBB (SOUTH BOISE MUTUAL)	9	9	10	9	12	12	12	12	12	12	12	8	8	8	12	10	10
CALDWELL HIGH LINE	43	43	43	40	46	47	44	44	44	44	44	44	40	40	44	44	40
CAMPBELL (CANYON)	39	40	40	41	41	41	42	42	42	43	43	43	43	43	44	44	44
CANYON COUNTY																	
CONWAY-HANNING	71	69	65	66	62	68	62	67	56	55	51	58	59	57	50	48	47
DAVIS DITCH	4	4	4	4	4	4	4	3	3	3	3	3	3	2	2	2	2
EUREKA #2	10	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9
FARMERS UNION	100	100	101	101	98	95	93	90	88	85	83	82	80	79	77	76	7
	229	230	230	226	219	210	210	209	200	202	205	206	209	203	206	191	162
GRAHAM-GILBERT	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2
HAAS	8	8	8	7	7	7	6	6	5	5	4	4	4	4	4	5	5
HART-DAVIS	8	8	8	8	8	8	7	7	7	7	7	7	7	7	7	7	7
ISLAND HIGH LINE	42	42	43	43	44	44	42	40	38	36	34	32	32	32	32	32	32
LEMP	5	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3
LITTLE PIONEER	41	40	38	37	35	34	33	31	29	27	27	28	28	29	29	30	30
LOWER CENTER POINT	41	41	41	41	41	41	41	41	41	41	41	41	41	41	40	40	40
MACE-CATLIN	10	10	10	10	10	10	9	9	9	8	8	7	7	6	6	7	7
MACE-MACE	0	0	0	0	0	0	0	0	4	4	4	4	3	3	3	3	3
MAHON	1	1	6	6	6	6	6	6	6	3	3	3	3	3	0	0	0
MCCONNEL ISLAND	30	32	33	34	36	38	39	40	40	41	42	43	42	41	40	38	36
MCMAHON & TEATER	4	4	4	4	4	4	4	5	5	6	6	6	6	6	7	7	7
MEEVES #1	1	1	1	1	1	1	0	0	0	0	0	0	2	2	2	2	2
MEEVES #2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MIDDLETON	140	141	143	144	146	150	152	152	153	127	121	100	98	99	97	105	77
NEW DRY CREEK	63	63	52	63	63	63	63	63	52	63	63	63	63	63	43	30	33
NEW YORK CANAL (D. OF C.)	2634	2634	2634	2629	2629	2623	2623	2623	2629	2629	2634	2567	2529	2477	2415	2415	2363
PARMA	13	13	12	12	11	11	12	13	13	14	15	15	14	13	12	10	9
PENITENTIARY	10	10	10	10	8	8	8	8	8	9	8	8	8	8	8	9	7
PHYLLIS	362	340	340	341	342	315	321	301	311	310	309	315	313	281	275	274	271
RIDENBAUGH	493	493	493	492	492	479	466	464	464	463	449	450	452	457	458	457	446
RIVERSIDE	213	210	213	218	220	223	226	232	223	226	227	224	223	218	214	211	206
ROEDEL	7	7	8	8	7	8	9	9	8	7	7	8	7	5	7	6	6
ROSSI MILL	297	297	295	270	270	268	241	244	241	241	233	230	203	203	203	201	170
SEBREE (FARMERS CO-OP)	165	164	164	163	161	162	160	149	138	138	138	132	129	132	122	124	122
SETTLERS	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
SEVEN SUCKERS	11	10	10	10	10	10	10	10	9	9	9	9	9	9	10	10	10
SIEBENBERG	25	25	25	24	24	23	23	22	22	22	22	22	21	21	21	21	21
THURMAN MILL	19	19	18	18	18	18	18	17	17	16	16	16	16	17	17	18	18
UPPER CENTER POINT	9	9	8	8	8	8	8	8	8	8	8	8	8	8	7	7	7
WARM SPRINGS DITCH																	
TOTAL CANAL DIVERSIONS	5265	5238	5232	5211	5207	5162	5111	5082	5037	5014	4983	4891	4816	4723	4612	4575	4418
MISCELLANEOUS																	
TOTAL DIVERSIONS																	

BY DAYS DURING THE IRRIGATION SEASON OF 1974, INCLUDING STORAGE

5111 5082 5037 5014 4983 4891 4816 4723 4612 4575 4418 4344 4304 4312 4343 4323 4314 4270 4200 4179

CHART NO. 5

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
2	2	2	2	2	2	2	2	2	2	2	3	3	3	4	4		73
18	18	17	17	16	16	15	14	14	13	13	13	13	13	12	12		512
12	12	12	12	12	13	13	13	13	13	13	13	12	12	12	12		405
13	13	12	12	12	12	11	11	11	10	10	9	8	7	6	5		364
25	31	30	30	30	30	30	30	30	30	30	30	26	26	26	25		922
7	0	0	0	0	0	0	6	6	6	6	7	8	8	9	10		0
12	10	10	10	9	9	10	10	10	10	10	8	8	8	8	9		227
44	44	40	44	45	45	42	42	42	38	37	37	37	37	40	40		296
44	44	44	43	41	39	37	35	32	31	33	35	37	39	41	43		1260
																	1201
50	48	47	49	45	45	56	42	44	42	39	42	32	51	40	47		1585
2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3		84
9	9	9	10	10	11	11	12	12	12	12	11	11	11	10	10		302
79	77	76	74	74	73	73	73	72	72	72	75	78	82	85	88		2520
206	191	175	163	164	164	166	167	167	166	164	163	162	148	147	145		5646
2	2	2	2	2	2	2	2	2	2	2	2	0	0	0	0		59
4	5	5	5	5	5	5	4	4	4	4	4	4	5	5	5		156
7	7	7	7	7	7	7	7	7	7	6	6	5	5	4	4		204
32	32	32	32	31	30	29	29	28	27	26	25	23	22	21	20		983
3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4		114
29	30	30	32	33	35	37	39	41	42	41	40	39	38	38	37		1038
40	40	40	40	39	38	37	36	35	34	34	35	37	39	41	43		1182
6	6	7	7	8	9	9	10	10	10	10	10	10	10	10	10		268
3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2		67
3	0	0	0	0	0	0	3	3	3	3	3	3	3	3	3		89
40	38	37	36	36	36	36	35	35	35	35	33	32	30	29	27		1081
7	7	7	7	7	7	7	6	6	6	6	6	6	6	7	7		173
2	2	2	2	2	0	0	0	0	0	0	0	2	2	2	2		28
1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0		5
97	105	75	77	78	79	96	97	98	100	99	98	98	98	97	97		3355
43	30	33	33	33	41	41	41	43	30	30	30	30	30	30	33		1411
2415	2415	2363	2311	2270	2280	2280	2270	2275	2275	2275	2275	2280	2240	2235	2245		73198
12	10	9	8	9	9	10	11	11	12	12	12	12	12	13	13		356
8	9	9	7	7	7	7	7	7	7	7	7	6	6	6	2		230
275	274	271	252	256	248	250	248	250	248	241	243	239	234	217	210		8457
458	457	446	446	445	447	448	446	424	426	425	423	420	420	417	394		13549
214	211	206	214	212	211	216	214	218	213	217	221	229	233	236	227		6588
7	7	6	6	6	6	7	7	6	9	7	7	6	6	6	6		0
203	201	170	170	184	184	186	186	188	190	203	226	234	222	209	209		210
																	6698
122	124	122	119	110	110	103	103	103	102	103	102	101	99	92	83		3793
1	1	1	1	1	0	0	0	0	0	0	0	0	1	0	1		33
10	10	10	10	10	10	11	11	11	12	12	12	12	12	12	12		312
21	21	21	21	21	20	20	20	20	19	18	17	15	14	12	11		612
17	17	18	18	17	17	16	16	15	15	14	14	14	15	15	15		496
7	7	7	7	7	7	8	8	8	8	8	8	7	7	7	7		232
4512	4575	4418	4344	4304	4312	4343	4323	4312	4290	4288	4314	4308	4263	4214	4182		140374
																	170
																	140544

DISCHARGE IN SECOND FEET OF BOISE V
BY DAYS DURING THE IRRIGATION SEASON OF 1974

OCTOBER

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
ADAMS	4	4	4	4	4	4	4	4	4	4	4					
ADAMS	12	12	13	13	14	15	15	16	16	16	16	16	16	16	16	16
ADAMS	12	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14
ADAMS	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
ADAMS	26	26	27	27	24	24	24	23	24	25	22	21	25	25	25	
ADAMS																
ADAMS	10	11	10	9	9	8	7	7	6	6	6	6	6	6	6	6
ADAMS	9	9	9	9	8	8	9	8	7	7	4	4				
ADAMS	45	37	39	36	34	34	32	39	32	32						
ADAMS	45	45	45	45	46	46	46	46	46	46	46	46	46	46	46	46
ADAMS																
ADAMS	44	36	36	41	57	69	49	41	40	43	39	35	32			
ADAMS	3	3	3													
ADAMS	10	10	10	9	9	9	9	9	9	9	9					
ADAMS	91	94	89	84	80	75	70	66	61	61	61	61	61	61	61	61
ADAMS	146	146	146	146	125	125	125	125	125	125	91	60	49	49		
ADAMS																
ADAMS	0	0	0	3	3	3	3	3	3	3	3					
ADAMS	6	6	5	5	4	3	3	2	2	2	2	2	2	2	2	2
ADAMS	4	4	4	4	4	4										
ADAMS	18	17	18	17	20	22	23	24	25	25	25	25	25	25	25	25
ADAMS	4	4	4	5	5	5	5	5	5	5	5					
ADAMS																
ADAMS	36	34	31	29	26	24	21	19	19	19	19	19	19	19	19	19
ADAMS	44	46	45	43	42	40	39	37	36	36	36	36	36	36	36	36
ADAMS	10	10	10	9	9	9	9	9	9	9	9					
ADAMS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
ADAMS	3	3	3	3	3	0	0	0	2	2	2	2	2	2	2	2
ADAMS																
ADAMS	25	24	25	26	27	27	28	28	29	29	29	29	29	29	29	29
ADAMS	7	7	7	7	7	7	7	7								
ADAMS	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
ADAMS																
ADAMS	98	98	100	99	100	101	100	98	98	98	98	98				
ADAMS																
ADAMS	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43	43
ADAMS	2200	2190	2200	2175	2175	2175	2175	2125	2080	2075	1973	1464	1234	1202	1206	1255
ADAMS	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
ADAMS	2	2	2	2	2	1	1	1	1	1	1					
ADAMS	208	198	189	185	181	172	165	161	156	156						
ADAMS																
ADAMS	398	399	393	393	392	392	359	353	334	331						
ADAMS	233	223	227	226	227	236	232	223	229	249	242	227	232	223	220	
ADAMS																
ADAMS	8	8	9	6	6	6	6	6	6	6	6					
ADAMS	178	172	188	186	166	166	141	147	137	118	101	94	93	91	90	
ADAMS																
ADAMS	82	82	82	81	82	82	83	80	80	61	59					
ADAMS	0	0	0	1	1	1	1	1	1	1	1					
ADAMS	12	12	12	13	13	14	14	15	15	15	15	15	15	15	15	15
ADAMS	12	12	13	13	14	14	15	15	15	15	15	15	15	15	15	15
ADAMS	16	16	15	14	14	13	12	12	11	11	11	11	11	11	11	11
ADAMS	7	7	7	6	6	6	6	6	6	6	6					
ADAMS																
ADAMS	4131	4082	4095	4051	4015	4016	3914	3837	3745	3723	3032	2347	2009	1934	1885	1255
ADAMS																
ADAMS																

DISCHARGE IN SECOND FIFT OF BOISE VALLEY CANALS
BY DATE DURING THE IRRIGATION SEASON OF 1974, INCLUDING STORAGE

	9	10	11	12	OCTOBER		13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
4	4	4	4																					
16	16	16	16	16	16	16	16	16																
14	14	14	14	14	14	14	14	14																
3	3	3	3	3	3	3	3	3																
24	24	24	24	24	24	24	24	24																
6	6	6	6	6	6	6	6	6																
7	7	7	7	7	7	7	7	7																
30	30	30	30	30	30	30	30	30																
46	46	46	46	46	46	46	46	46																
40	40	40	40	40	40	40	40	40																
9	9	9	9	9	9	9	9	9																
61	61	61	61	61	61	61	61	61																
123	123	123	123	123	123	123	123	123																
3	3	3	3	3	3	3	3	3																
2	2	2	2	2	2	2	2	2																
24	24	24	24	24	24	24	24	24																
3	3	3	3	3	3	3	3	3																
19	19	19	19	19	19	19	19	19																
36	36	36	36	36	36	36	36	36																
9	9	9	9	9	9	9	9	9																
2	2	2	2	2	2	2	2	2																
2	2	2	2	2	2	2	2	2																
29	29	29	29	29	29	29	29	29																
1	1	1	1	1	1	1	1	1																
98	98	98	98	98	98	98	98	98																
43	43	43	43	43	43	43	43	43																
2123	2080	2033	1973	1904	1834	1762	1687	1605	1515	1425	1335	1255	1255	1255	1255	1255	1255	1255	1255	1255	1255	1255	1255	418
13	13	13	13	13	13	13	13	13																
1	1	1	1	1	1	1	1	1																
161	156	150	143	136	129	122	115	108	101	94	87	80	73	66	59	52	45	38	31	24	17	10	3	
333	324	311	298	284	270	256	242	228	214	200	186	172	158	144	130	116	102	88	74	60	46	32	18	
6	6	6	6	6	6	6	6	6																
137	137	138	141	144	147	150	153	156	159	162	165	168	171	174	177	180	183	186	189	192	195	198	201	
80	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	
1	1	1	1	1	1	1	1	1																
13	13	13	13	13	13	13	13	13																
13	13	13	13	13	13	13	13	13																
10	11	11	11	11	11	11	11	11																
6	6	6	6	6	6	6	6	6																
3837	3743	3653	3568	3487	3409	3334	3262	3193	3127	3064	3003	2944	2887	2832	2779	2728	2678	2630	2583	2537	2492	2448	2405	418

CHART NO. 5

44
222
205
46
368
0
113
91
360
686
562
9
102
1076
1583
24
48
24
336
52
353
588
102
30
29
413
56
15
0
1186
645
32832
193
16
177
374
344
7
206
8
2
1
1
54
55

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1974

CHART NO. 6

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	TOTAL
AIKEN	24	244	222	226	262	146	88	1212
ANDREWS	418	1902	2174	860	1416	1024	444	8238
BALLENTYNE	406	1330	1228	1134	1150	810	410	6468
BAXTER	306	1072	798	406	778	728	92	4180
BOISE CITY	1026	2276	2174	2134	2168	1844	736	12358
BOONE	0	0	0	0	0	0	0	0
BOWMAN SWISHER	88	434	754	536	536	454	226	3028
BUBB	298	772	786	700	656	592	182	3986
CALDWELL HIGH LINE	700	2908	2972	2864	2908	2520	720	15592
CAMPBELL	1360	3554	3460	2640	2430	2402	1372	17218
CANYON COUNTY	1058	4650	4708	4550	4738	3170	1124	23998
CONWAY HAMMING	0	100	130	102	214	168	18	732
DAVIS	140	700	674	678	710	604	204	3710
EUREKA #2	3388	6962	6476	5796	6802	5040	2152	36616
FARMERS UNION	2270	15666	16160	15970	15184	11292	3166	79708
GRAHAM GILBERT	0	32	24	114	186	118	48	522
HAAS	220	868	970	1018	796	312	96	4280
HART DAVIS	106	502	504	560	490	408	48	2618
ISLAND HIGH LINE	1356	2922	2648	3192	2782	1966	672	15538
LEMP	8	206	98	158	316	228	104	1118
LITTLE PIONEER	1284	2464	2844	2516	2348	2076	706	14238
LOWER CENTER POINT	894	2050	1788	2114	2786	2364	1176	13172
MACE CATLIN	24	358	478	468	484	536	204	2552
MACE MACE	0	0	0	54	142	134	60	390
MANMON	132	314	556	198	188	178	58	1624
MCCONNELL ISLAND	1424	4406	3340	2712	1972	2162	826	17442
MCMANUS & TEATER	110	270	266	390	280	346	112	1774
MEEVES #1	12	230	158	156	124	56	30	766
MEEVES #2	24	44	64	8	8	10	0	158
MIDDLETON	2776	11490	10648	9564	9246	6710	2372	52806
MISCELLANEOUS	98	522	476	576	558	340	54	2624
NEW DRY CREEK	1102	4714	4924	4582	4748	2822	1290	24182
NEW YORK CANAL	71942	165272	160376	166596	163536	146396	65664	939782
PARMA	910	1456	1076	900	944	712	390	6388
PENITENTIARY	64	594	658	608	590	460	32	3006
PHYLLIS	6492	27156	26462	27870	26648	16914	3542	135084
RIDENBAUGH	9596	32272	32378	33588	32798	27098	7488	175218
RIVERSIDE	11028	15708	13962	13658	14112	13176	6898	88542
ROEDEL	0	0	0	0	0	0	0	0
ROSSI MILL	250	560	810	582	558	420	146	3326

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1974

CHART NO. 6

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	TOTAL
SEBREE	7016	16824	19552	18912	19080	13396	4136	98916
SETTLERS	1556	11458	10954	11228	10582	7586	1708	55072
SEVEN SUCKERS	0	0	128	108	102	66	16	420
SIEBENBERG	318	718	958	658	782	624	420	4478
THURMAN MILL	122	2062	1940	1182	1684	1224	306	8520
UPPER CENTER POINT	642	1310	1306	1016	1186	992	378	6830
WARM SPRINGS DITCH	0	56	84	386	522	464	138	1650
TOTALS	130988	349408	343746	344268	340530	281088	110052	1900080

THIS CHART SHOWS ONLY THE CANALS WHICH HAVE HEADINGS FROM THE BOISE RIVER.
SOME CANALS GET THEIR WATER THROUGH ANOTHER CANAL.
CHARTS #7 AND #8 SHOW ACTUAL AMOUNT DIVERTED BY EACH DECREED CANAL OR USER.
MISCELLANEOUS IS A GROUP OF INDIVIDUAL USERS.

NAME OF CANAL	1967	1968	1969	1970	1971	1972	
AIKEN		1212	1122	1336	914	1112	
ANDREWS		8042	7708	9240	7670	7878	
* BALLENTYNE	5148	4518	6284	6040	6418	6108	
BAXTER		4460	3210	4100	4966	4464	
BOISE CITY	9812	10430	11110	10552	12238	12438	11
* BOISE VALLEY	19988	19124	20358	17462	17546	19494	19
BOONE			106	0	0	0	
BOWMAN-SWISHER		3474	3038	2044	3664	2956	35
BUBB (SOUTH BOISE MUTUAL)	5390	4452	4098	3738	4128	3698	33
CALDWELL HIGH LINE	21440	17308	19044	16440	15438	16356	165
CAMPBELL (CANYON)	9344	9596	11258	11054	12100	12838	1035
CANYON COUNTY WATER CO	24268	22428	24682	27386	26078	26794	2602
* CAPITAL VIEW IRRIG. DIST.	2072	2142	2730	2440	2222	2524	2450
CONWAY-HAMMING		1238	1304	832	674	782	1074
DAVIS DITCH	3834	4680	4124	4038	3762	3978	3584
EUREKA WATER CO. #1	7574	8456	10568	10672	10236	9398	10890
EUREKA #2	32866	36268	31052	32952	33538	39478	37924
* FARMERS UNION	51008	49316	52656	53180	56308	54104	54050
GRAHAM-GILBERT		648	676	534	294	386	1022
HAAS		4294	3330	4058	4084	4156	4962
HART-DAVIS		5776	4382	3702	2782	2622	3320
ISLAND HIGH LINE		13914	15988	15850	12972	13418	14308
LEMP		2980	1504	2174	840	1168	1880
LITTLE PIONEER	11282	9114	14032	16536	12964	13410	12994
LOWER CENTER POINT	12702	11292	8676	9668	9370	10638	10628
MACE-CATLIN		2428	2408	2802	2584	2788	3670
MACE-MACE		1114	814	758	372	324	716
MAMMON		1162	1384	1704	2020	1802	1672
MCCONNEL ISLAND		10832	12894	15302	13182	12934	9700
McMANUS AND TEATER		1340	1564	1156	1112	1424	1564
MEEVES #1		612	690	846	570	740	664
MEEVES #2					250	252	48
MIDDLETON WATER CO.	27928	29133	31028	32880	30984	31547	29999
MIDDLETON MILL DITCH	20224	21097	22468	23810	22436	22845	21723
MISCELLANEOUS	5962	6102	9960	2378	2650	2222	2706
* NEW DRY CREEK	19088	19964	21764	19110	19690	17346	17840
NEW UNION	5158	5118	4024	4002	4474	4262	4720
* NEW YORK CANAL (B. OF C.)	908206	857014	930788	885602	947652	868444	851016
PARMA		7462	6984	8678	8402	8426	7652
PENITENTIARY	1954	2114	2008	2342	2790	2404	3256
PHYLLIS	125032	105940	132490	128090	128064	132206	120328
* PIONEER DIXIE	24206	24766	23618	23700	22800	23856	30362
RIDENBAUGH	174206	169182	177208	175524	176718	181950	175826
* RIVERSIDE	57026	54290	51356	49538	57780	69600	60728
ROEDEL		1780	610	608	800	312	88

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET

CHART NO. 7

BEGINNING 1967

1971	1972	1973	1974
914	1112	1320	1212
7670	7878	5702	8238
6418	6108	6364	6468
4966	4464	5042	4180
12238	12438	11614	12358
17546	19494	19840	20544
0	0	0	0
3664	2956	3506	3028
4128	3698	3326	3986
15438	16356	16534	15592
12100	12838	10354	17218
26078	26794	26026	23998
2222	2524	2450	2524
674	782	1074	732
3762	3978	3584	3710
10236	9398	10890	10412
33538	39478	37924	36616
56308	54104	54050	56640
294	386	1022	522
4084	4156	4962	4280
2782	2622	3320	2618
12972	13418	14308	15538
840	1168	1880	1118
12964	13410	12994	14238
9370	10638	10628	13172
2584	2788	3670	2552
372	324	716	390
2020	1802	1672	1624
13182	12934	9700	17442
1112	1424	1564	1774
570	740	664	766
250	252	48	158
30984	31547	29999	30628
22436	22845	21723	22178
2650	2222	2706	2624
19690	17346	17840	19492
4474	4262	4720	4690
947652	868444	851016	939782
8402	8426	7652	6388
2790	2404	3256	3006
128064	132206	120328	124672
22800	23856	30362	29380
176718	181950	175826	175218
57780	69600	60728	59162
800	312	88	0

BOISE RIVER CANAL DIVERSIONS IN ACHE FEET

NAME OF CANAL	BEGINNING 1967							
	1967	1968	1969	1970	1971	1972	1973	1974
ROSSI MILL (SOUTH BOISE CANAL)	3232	3082	3478	3212	3428	3340	3244	3320
SEHREE (FARMERS CO-OP)	105780	101228	94108	91792	95350	96446	98650	98910
SETTLERS	52424	51430	51930	55450	56316	53818	51838	55070
SEVEN SUCKERS	4280	1330	788	664	762	602	470	420
STEINBERG		3736	4378	4756	3310	3938	3724	4470
TURNAN MILL	10512	10198	11564	9102	9642	10608	10330	8520
UPPER CENTER POINT	5270	5518	5186	5322	5094	6136	6944	6830
WARM SPRINGS DITCH		2558	2116	1528	1936	1658	1910	1650
TOTAL SUMMER DIVERSIONS	1785410	1755632	1870648	1810684	1882374	1832428	1790102	1900080
STORAGE WATER USED		581723	555489	471312	418822	422038	461186	475174
SUMMER RETURN FLOW USED	428828	253699	385530	423236	485686	483054	236678	451392
NATURAL FLOW USED IRRIGATION SEASON		920210	929629	916136	977866	927336	1092238	973514
FLOOD CONTROL & OTHER LOSS TO IRRIGATION	0	0	239554	324006	909339	823660	0	1598234
LOSS TO THE BOISE RIVER @PARMA		237060	789482	573559	1336242	1073714	(DELETE)	
OUTFLOW LUCKY PEAK RESERVOIR				1823244	2541080	2266804	1400638	3046922
FISH AND GAME	37050	18992	10290	16126	12056	19554	19195	34046
NEW YORK CANAL DIVERSIONS OTHER THAN IRRIGATION SEASON	93370	27416	0	4272	0	62902	100148	136988
FLOOD CONTROL AND OTHER LOSS TO THE SYSTEM	0	0	709378	920626	1969314	1810036	0	1598234
TOTAL DIVERSIONS JANUARY 1 TO DECEMBER 31	1785410	1802040	1880938	1831082	1894430	1914884	1909445	2071114
TOTAL NATURAL FLOW JANUARY 1 TO DECEMBER 31	1487002	1364416	2519304	2295068	3361958	3080356	1379052	3147560
TOTAL LOSS TO THE BOISE RIVER @PARMA		454788	1527244	1218344	2528166	2110052	(DELETE)	
TOTAL OUTFLOW LUCKY PEAK	1647352	1466906	2384296	2102898	3366002	3159410	1551496	3046922

YEARS 1950 THRU 1966 IN PREVIOUS REPORTS

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

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET

CHART NO. 7

BEGINNING 1967

1971	1972	1973	1974
3428	3340	3244	3326
95350	96446	98650	98916
56316	53818	51838	55072
762	602	470	420
3310	3938	3724	4478
9642	10608	10330	8520
5094	6136	6944	6830
1936	1658	1910	1650
1882374	1832428	1790102	1900080
418822	422038	461186	475174
485686	483054	236678	451392
977866	927336	1092238	973514
909339	823660	0	1598234
1336242	1073714	(DELETE)	
2541080	2266804	1400638	3046922
12056	19554	19195	34046
0	62902	100148	136988
1969314	1810036	0	1598234
1894430	1914884	1909445	2071114
3361958	3080356	1378052	3147560
2528166	2110052	(DELETE)	
3366002	3159410	1551496	3046922

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOI

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

NAME OF CANAL	ACRES IRRIGATED	1965	ACRES IRRIGATED	1966	1967	ACRES IRRIGATED	1968	ACRES IRRIGATED	1969
AIKEN						236	5.14	236	4.75
ANDREWS						1068	7.53	1068	7.22
BALLENTYNE	763	9.04	763	6.99	6.75	763	5.92	763	8.24
BAXTER						200	2.23	200	16.05
BOISE CITY	1828	5.40	1828	5.67	5.37	1828	5.71	1828	6.08
BOISE VALLEY									
BOONE	2729	5.78	2729	8.12	7.32	2729	7.01	2729	7.46
BOWMAN-SWISHER								517	.21
BUBB (SOUTH BOISE MUTUAL)						424	8.19	424	7.17
*CALDWELL HIGH LINE	1057	4.23	1057	4.63	5.10	1057	4.21	1057	3.88
	3960	5.27	3960	4.25	5.41	3960	4.37	3960	4.81
CAMPBELL (CANYON)	802	15.54	802	13.78	11.65	802	11.89	802	14.04
CANYON COUNTY	4007	6.30	4007	6.36	6.06	4007	5.60	4007	6.16
CAPITAL VIEW						600	3.57	600	4.55
CONWAY-HAMMING						259	4.78	259	5.03
DAVIS DITCH	634	7.10	634	6.99	6.05	634	7.38	634	6.50
EAGLE ISLANDS CANALS	2637	5.85	2134	6.26	6.93	(LISTED INDIVIDUALLY)			
EUREKA WATER CO. #1	1800	5.24	1800	6.00	4.21	1800	4.70	1800	5.87
EUREKA #2	2625	14.67	2625	16.48	12.52	2625	13.82	2625	11.83
FARMERS UNION	8900	6.98	8900	6.04	5.96	8300	5.94	8300	6.34
GRAHAM-GILBERT						200	3.24	200	3.38
HAAS						750	5.73	867	3.84
HART-DAVIS						453	12.75	453	9.67
ISLAND HIGH LINE						945	14.72	945	16.92
LEMP						300	9.93	300	5.01
LITTLE PIONEER	1286	10.53	1286	8.81	8.77	1286	7.09	1286	10.91
LOWER CENTER POINT	880	11.47	880	16.15	14.43	880	12.83	880	9.86
MACE-CATLIN						536	4.53	536	4.49
MACE-MACE						80	13.93	80	10.18
MAMMON						168	6.92	468	2.96
MCCONNEL ISLAND						1600	6.77	1600	8.06
MC MANUS & TEATER						168	7.98	168	9.31
MEEVES #1						90	6.80	90	7.67
MEEVES #2									
MIDDLETON IRRIG. ASSOC.	5182	5.89	5180	6.01	5.39	5180	5.62	5180	5.99
MIDDLETON MILL	4400	5.02	4400	5.12	4.60	4400	4.80	4400	5.11
MISCELLANEOUS	511	7.25	1428	6.74	3.53	957	6.38	2610	3.82
NEW DRY CREEK	3059	7.21	3059	6.61	6.24	3059	6.53	3059	7.11
NEW UNION	688	6.96	688	7.30	7.50	688	7.44	688	5.85
NEW YORK CANAL (B. OF C.)	164734	5.23	164729	5.33	5.51	164617	5.21	164617	5.65
PARMA						602	12.40	602	11.60

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)

1967	ACRES IRRIGATED	1968	ACRES IRRIGATED	1969	ACRES IRRIGATED	1970	ACRES IRRIGATED	1971	1972	1973	1974
	236	5.14	236	4.75	236	5.66	236	3.87	4.71	5.59	5.13
6.75	1068	7.53	1068	7.22	1068	8.65	1068	7.18	7.38	5.34	7.71
	763	5.92	763	8.24	763	7.92	763	8.41	8.01	8.34	8.47
5.37	200	2.23	200	16.05	200	20.50	200	24.83	22.30	25.21	20.90
	1828	5.71	1828	6.08	1828	5.77	1828	6.69	6.80	6.35	6.76
7.32	2729	7.01	2729	7.46	2729	6.40	2729	6.43	7.14	7.27	7.52
	424	8.19	424	7.17	424	4.82	424	8.64	6.97	8.27	7.14
5.10	1057	4.21	1057	3.88	1057	3.54	1057	3.91	3.50	3.15	3.77
5.41	3960	4.37	3960	4.81	3960	4.15	3960	3.90	4.13	4.18	3.93
11.65	802	11.89	802	14.04	802	13.78	802	15.09	16.01	12.91	21.46
6.06	4007	5.60	4007	6.16	4007	6.83	4007	6.51	6.69	6.50	5.98
	600	3.57	600	4.55	600	4.07	600	3.70	4.21	4.08	4.20
	259	4.78	259	5.03	259	3.21	259	2.60	3.02	4.15	2.82
6.05	634	7.38	634	6.50	634	6.37	634	5.93	6.27	5.65	5.85
6.93	(LISTED INDIVIDUALLY)										
4.21	1800	4.70	1800	5.87	1800	5.93	1800	5.69	5.22	6.05	5.78
12.52	2625	13.82	2625	11.83	2625	12.55	2625	12.78	15.04	14.45	13.94
5.96	8300	5.94	8300	6.34	8300	6.41	8300	6.78	6.52	6.51	6.82
	200	3.24	200	3.38	200	2.67	200	1.47	1.93	5.11	2.61
	750	5.73	867	3.84	867	4.68	867	4.71	4.79	5.72	4.93
	453	12.75	453	9.67	453	8.17	453	6.14	5.79	7.33	5.77
	945	14.72	945	16.92	945	16.77	945	13.73	14.20	15.14	16.44
	300	9.93	300	5.01	300	7.25	300	2.80	3.89	6.27	3.72
8.77	1286	7.09	1286	10.91	1286	12.86	1286	10.08	10.43	10.10	11.07
14.43	880	12.83	880	9.86	880	10.99	880	10.65	12.09	12.08	14.96
	536	4.53	536	4.49	536	5.23	536	4.82	5.20	6.85	4.76
	80	13.93	80	10.18	80	9.48	80	4.65	4.05	8.95	4.87
	168	6.92	468	2.96	468	3.64	468	4.32	3.85	3.57	3.47
	1600	6.77	1600	8.06	1600	9.56	1600	8.24	8.08	6.06	10.90
	168	7.98	168	9.31	168	6.88	168	6.62	8.48	9.31	10.55
	90	6.80	90	7.67	90	9.40	73	7.81	10.14	9.10	10.49
							26	9.62	9.69	1.85	6.07
5.39	5180	5.62	5180	5.99	5180	6.35	5180	5.98	6.09	5.79	5.91
4.60	4400	4.80	4400	5.11	4400	5.41	4400	5.10	5.19	4.94	5.04
3.53	957	6.38	2610	3.82	763	3.12	763	3.47	29.10	3.55	3.43
6.24	3059	6.53	3059	7.11	3059	6.25	3059	6.44	5.67	5.83	6.37
7.50	688	7.44	688	5.85	688	5.82	688	6.50	6.19	6.86	6.81
5.51	164617	5.21	164617	5.65	164617	5.38	164617	5.76	5.28	5.17	5.70
	602	12.40	602	11.60	602	14.42	602	13.96	14.00	12.71	10.61

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY

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

NAME OF CANAL	ACRES IRRIGATED	1965	ACRES IRRIGATED	1966	1967	ACRES IRRIGATED	1968	ACRES IRRIGATED	1969
SEVENTHARY	321	7.79	433	6.02	4.51	321	6.59	321	6.26
THILLIS (Pioneer)	24362	5.53	24362	5.83	5.13	24362	4.35	24362	5.44
PIONEER DITCH	2030	10.42	2030	11.52	11.92	2030	12.20	3000	7.87
RIDGEMAN (Pioneer)	26747	6.65	26877	6.34	6.48	26877	6.30	26877	6.59
RIVERSIDE	10645	4.83	10645	5.18	5.36	10645	5.10	10645	4.82
RODELL									
ROXY MILL	500	6.94	500	6.48	6.46	160	11.13	160	3.81
SEWEE (FARMERS CO-OP)	15500	6.23	15500	7.93	6.82	500	6.16	500	6.96
SETTLERS	12282	4.14	12282	4.67	4.27	15500	6.53	15500	6.07
SEVEN SUCKERS						12282	4.19	12282	4.23
						70	19.00	70	11.26
STERNBERG	646	6.07	646	8.53	6.63	646	5.78	646	6.78
THOMAS MILL	1799	5.78	1799	5.67	5.84	1799	5.67	1799	6.43
UPPER CENTER POINT	641	9.05	641	10.63	8.22	641	8.61	641	8.09
WARM SPRINGS DITCH						494	5.18	494	4.28
TOTALS	307935	5.69	308604	5.88	5.79	314578	5.58	318135	5.88

* FRANKLIN DITCH COMPANY AND MASON CREEK DITCH COMPANY LANDS ONLY. THE BALANCE OF THE LAND UNDER THE CALDWELL HIGH LINE IS IRRIGATED WITH WATER DITCHES.
1967 THRU 1984 CAN BE FOUND IN PREVIOUS ANNUAL REPORTS.
THE USE OF WATER PER ACRE IS A GROSS FIGURE, FOR A NET FIGURE TO THE LAND ALLOW ABOUT 35% LOSS.

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

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

CHART NO. 8

	ACRES IRRIGATED	1968	ACRES IRRIGATED	1969	ACRES IRRIGATED	1970	ACRES IRRIGATED	1971	1972	1973	1974
51	321	6.59	321	6.26	321	7.30	321	8.69	7.49	10.14	9.36
13	24362	4.35	24362	5.44	24362	5.26	24362	5.26	5.43	4.94	5.11
92	2030	12.20	3000	7.87	3000	7.90	3000	7.60	7.95	10.12	9.79
48	26877	6.30	26877	6.59	26877	6.53	26877	6.58	6.77	6.54	6.51
38	10645	5.10	10645	4.82	10645	4.09	10645	5.43	6.54	5.70	5.55
	160	11.13	160	3.81	160	3.80	160	5.00	1.95	.55	0
46	500	6.16	500	6.96	500	6.42	500	6.86	6.68	6.49	6.65
82	15500	6.53	15500	6.07	15500	5.92	15500	6.15	6.22	6.36	6.38
27	12282	4.19	12282	4.23	12282	4.51	12282	4.59	4.38	4.22	4.48
	70	19.00	70	11.26	70	9.49	70	10.89	8.60	6.71	6.00
83	646	5.78	646	6.78	646	7.36	646	5.12	6.10	5.76	6.93
84	1799	5.67	1799	6.43	1799	5.06	1799	5.36	5.90	5.74	4.73
22	641	8.61	641	8.09	641	8.30	641	7.95	9.57	10.83	10.65
	494	5.18	494	4.28	494	3.09	494	3.92	3.36	3.87	3.34
79	314578	5.58	318135	5.88	316288	5.72	316297	5.95	5.79	5.66	6.00

THE LAND UNDER THE CALDWELL HIGH LINE IS IRRIGATED WITH WATER DIVERTED FROM MASON DRAIN AND FIVE MILE CREEK.

AT 35% LOSS.

BOISE VALLEY CANALS AND ACREAGE

CHART NO. 9

IKEN.....	236 ACRES	MEEVES #1.....	73 ACRES
ANDREWS.....	1,068 "	MEEVES #2.....	26 "
BALLENTYNE.....	763 "	MIDDLETON MILL.....	4,400 "
BAXTER.....	200 "	MIDDLETON WATER.....	5,180 "
BOISE CITY.....	1,828 "	MISCELLANEOUS.....	763 "
BOISE VALLEY.....	2,729 "	NEW DRY CREEK.....	3,059 "
BOONE.....	517 "	NEW UNION.....	688 "
BOWMAN & SWISHER.....	424 "	NEW YORK	
BUBB (SOUTH BOISE MUTUAL).....	1,057 "	BIG BEND IRRIG. DIST.....	1,724 "
CALDWELL HIGH LINE.....	13,960 "	BOISE-KUNA IRRIG. DIST.....	48,339 "
CAMPBELL.....	802 "	NAMPA & MERIDIAN IRRIG. DIST.....	40,344 "
CANYON COUNTY.....	4,007 "	NEW YORK IRRIG. DIST.....	17,629 "
CAPITAL VIEW.....	600 "	WILDER IRRIG. DIST.....	56,581 "
CONWAY-HAMMING.....	259 "	TOTAL - BOARD OF CONTROL.....	164,617 ACRES
DAVIS & LITTLE DAVIS.....	634 "	PARMA DITCH CO.....	602 "
EUREKA WATER CO. #1.....	1,800 "	PENITENTIARY.....	321 "
EUREKA DITCH CO. #2.....	2,625 "	PIONEER IRRIG. DIST.....	24,362 "
FARMERS UNION.....	8,300 "	PIONEER DIXIE.....	3,000 "
GRAHAM & GILBERT.....	200 "	RIDENBAUGH.....	26,877 "
HAAS.....	867 "	RIVERSIDE IRRIG. DIST.....	10,645 "
HART & DAVIS.....	453 "	ROEDEL.....	160 "
ISLAND HIGH LINE.....	945 "	ROSSI MILL.....	500 "
LEMP DITCH.....	300 "	SEBREE.....	15,500 "
LITTLE PIONEER.....	1,286 "	SEVEN SUCKERS.....	70 "
LOWER CENTER POINT.....	880 "	SETTLERS.....	12,282 "
MACE & CATLIN.....	536 "	SIEBENBERG.....	646 "
MACE & MACE.....	80 "	THURMAN MILL.....	1,799 "
MAMMON.....	468 "	UPPER CENTER POINT.....	641 "
MCCONNELL ISLAND.....	1,600 "	WARM SPRINGS DITCH.....	494 "
MCMANUS & TEATER.....	168 "	TOTAL.....	326,297 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..... 334,586 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 WATER 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 FIVE MILE CREEK AND MASON DRAIN.

BOISE RIVER STORAGE ACCOUNTS - 1974 - IN ACRE FEET

CANAL COMPANY	ARROWROCK STORAGE	ANDERSON STORAGE	LUCKY PEAK STORAGE	TOTAL AVAILABLE	USED JULY	BALANCE	USED AUGUST	BALANCE	USED SEPTEMBER
BALLENTYNE	0	376	1158	1534	0	1534	324	1210	82
BOISE CITY	0	0	891	891	0	891	302	589	380
BOISE VALLEY	0	961	2227	3188	0	3188	740	2448	396
BURB (SOUTH BOISE MUTUAL)	0	543	445	988	0	988	0	988	18
CANYON COUNTY	0	0	5345	5345	0	5345	1044	4301	504
CAPITAL VIEW	0	460	267	727	6	721	30	691	24
DAVIS	0	0	1336	1336	0	1336	94	1242	0
EAGLE ISLAND CANALS	0	0	6815	6815	0	6815	104	6711	118
EUREKA #1	0	0	2494	2494	0	2494	130	2364	70
FARMERS UNION	2874	5727	8908	17509	190	17319	4396	12923	3078
LITTLE PIONEER	0	2174	445	2619	400	2219	668	1551	800
MIDDLETON IRRIGATION	0	0	5684	5684	0	5684	980	4704	448
MIDDLETON MILL	0	0	4116	4116	0	4116	718	3398	334
NEW DRY CREEK	0	1296	2673	3969	0	3969	840	3129	56
NEW UNION	0	0	1247	1247	0	1247	204	1043	44
NEW YORK	*254546	*358981	0	613527	56670	556857	154140	402717	142724
PHYLLIS	21018	25582	14254	60854	3398	57456	16210	41246	9316
RIDENBAUGH	3832	**15552	31180	50564	138	50426	9850	40576	8166
ROSSI MILL	0	0	624	624	0	624	4	620	0
SEBREE	1227	0	0	1227	0	1227	0	1227	0
SETTLERS	***2460	***6348*	8908	17716	0	17716	2460	15256	1328
THURMAN MILL	0	0	713	713	0	713	0	713	0
BOISE CASCADE	100	0	0	100	2	98	6	92	4
KROEGER DITCH	134	0	0	134	36	98	52	46	46
LUCKY PEAK NURSERY	200	0	0	200	****60	140	18	122	6
MEEVES #2	26	0	0	26	8	18	8	10	10
PECORA DITCH	8	0	0	8	2	6	4	2	2
PRODUCERS LUMBER	175	0	0	175	****48	127	20	107	6
STATE OF IDAHO FISH & GAME	0	0	44542	44542	0	44542	0	44542	0
ANDERSON DAM POWER	0	5200	0	5200	0	5200	0	5200	0
UNCONTRACTED LUCKY PEAK SPACE	0	0	103561	103561	0	103561	0	103561	0
TOTALS	286600	423200	247833	957633	60958	896675	193346	703329	167960

- * LESS 682 ACRE FEET OF ARROWROCK STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS. INCREASED BY 22357 ACRE FEET OF HILLCREST STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS.
- ** LESS 415 ACRE FEET OF ANDERSON STORAGE TRANSFERRED TO RIDENBAUGH AND LESS 538 ACRE FEET OF ANDERSON STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS.
- *** RIDENBAUGH ANDERSON STORAGE INCREASED BY 415 ACRE FEET TO IRRIGATE GOVERNMENT LANDS. ANDERSON STORAGE INCREASED BY 538 ACRE FEET TO IRRIGATE GOVERNMENT LANDS.
- **** SETTLERS ARROWROCK STORAGE INCREASED BY 682 ACRE FEET AND SETTLERS ANDERSON STORAGE INCREASED BY 538 ACRE FEET TO IRRIGATE GOVERNMENT LANDS.
- ***** ACCUMULATED STORAGE USE MAY-JUNE-JULY (LUCKY PEAK NURSERY AND PRODUCERS LUMBER)

STATE OF IDAHO FISH & GAME DEPT. STORAGE TO BE RUN DURING WINTER MONTHS.

BOISE RIVER STORAGE ACCOUNTS - 1974 -

CANAL COMPANY	ARROWROCK STORAGE	ANDERSON STORAGE	LUCKY PEAK STORAGE	TOTAL AVAILABLE	USED JULY	USED BALANCE	USED AUGUST	USED BALANCE	S
BALLENTYNE	0	376	1158	1534	0	1534	324	1210	
BOISE CITY	0	0	891	891	0	891	302	589	
BOISE VALLEY	0	961	2227	3188	0	3188	740	2448	
BUBB (SOUTH BOISE MUTUAL)	0	543	445	988	0	988	0	988	
CANYON COUNTY	0	0	5345	5345	0	5345	1044	4301	
CAPITAL VIEW	0	460	267	727	6	721	30	691	
DAVIS	0	0	1336	1336	0	1336	94	1242	
EAGLE ISLAND CANALS	0	0	6815	6815	0	6815	104	6711	
EUREKA #1	0	0	2494	2494	0	2494	130	2364	
FARMERS UNION	2874	5727	8908	17509	190	17319	4396	12923	
LITTLE PIONEER	0	2174	445	2619	400	2219	668	1551	
MIDDLETON IRRIGATION	0	0	5684	5684	0	5684	980	4704	
MIDDLETON MILL	0	0	4116	4116	0	4116	718	3398	
NEW DRY CREEK	0	1296	2673	3969	0	3969	840	3129	
NEW UNION	0	0	1247	1247	0	1247	204	1043	
NEW YORK	*254546	*358981	0	613527	56670	556857	154140	402717	142
PHYLLIS	21018	25582	14254	60854	3398	57456	16210	41246	9
RIDENBAUGH	3832	**15552	31180	50564	138	50426	9850	40576	8
ROSSI MILL	0	0	624	624	0	624	4	620	
SEBREE	1227	0	0	1227	0	1227	0	1227	
SETTLERS	***2460	***6348*	8908	17716	0	17716	2460	15256	13
THURMAN MILL	0	0	713	713	0	713	0	713	
BOISE CASCADE	100	0	0	100	2	98	6	92	
KROEGER DITCH	134	0	0	134	36	98	52	46	
LUCKY PEAK NURSERY	200	0	0	200	****60	140	18	122	
MEEVES #2	26	0	0	26	8	18	8	10	
PECORA DITCH	8	0	0	8	2	6	4	2	
PRODUCERS LUMBER	175	0	0	175	****48	127	20	107	
STATE OF IDAHO FISH & GAME	0	0	44542	44542	0	44542	0	44542	
ANDERSON DAM POWER	0	5200	0	5200	0	5200	0	5200	
UNCONTRACTED LUCKY PEAK SPACE	0	0	103561	103561	0	103561	0	103561	0
TOTALS	286600	423200	247833	957633	60958	896675	193346	703329	167960

- * LESS 682 ACRE FEET OF ARROWROCK STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS. INCREASED BY 22357 ACRE FEET OF HILL
LESS 415 ACRE FEET OF ANDERSON STORAGE TRANSFERRED TO RIDENBAUGH AND LESS 538 ACRE FEET OF ANDERSON STORAGE TRANSFERRED TO SETTLERS.
- ** RIDENBAUGH ANDERSON STORAGE INCREASED BY 415 ACRE FEET TO IRRIGATE GOVERNMENT LANDS.
- *** SETTLERS ARROWROCK STORAGE INCREASED BY 682 ACRE FEET AND SETTLERS ANDERSON STORAGE INCREASED BY 538 ACRE FEET TO IRRIGATE GOVERNMENT LANDS.
- **** ACCUMULATED STORAGE USE MAY-JUNE-JULY (LUCKY PEAK NURSERY AND PRODUCERS LUMBER)

STATE OF IDAHO FISH & GAME DEPT. STORAGE TO BE RUN DURING WINTER MONTHS.

BOISE RIVER STORAGE ACCOUNTS - 1974 - IN ACRE FEET

TOTAL AVAILABLE	USED JULY	BALANCE	USED AUGUST	BALANCE	USED SEPTEMBER	BALANCE	USED OCTOBER	BALANCE	TOTAL USED APRIL THRU OCT. 19-1974	ANDERSON CARRYOVER	LUCKY PEAK CARRYOVER
1534	0	1534	324	1210	82	1128	0	1128	406	0	1128
891	0	891	302	589	380	209	0	209	682	0	209
3188	0	3188	740	2448	396	2052	0	2052	1136	0	2052
988	0	988	0	988	18	970	0	970	18	525	445
5345	0	5345	1044	4301	504	3797	0	3797	1548	0	3797
727	6	721	30	691	24	667	0	667	60	400	267
1336	0	1336	94	1242	0	1242	0	1242	94	0	1242
6815	0	6815	104	6711	118	6593	32	6561	254	0	6561
2494	0	2494	130	2364	70	2294	0	2294	200	0	2294
17509	190	17319	4396	12923	3078	9845	0	9845	7664	937	8908
2619	400	2219	668	1551	800	751	260	491	2128	46	445
5684	0	5684	980	4704	448	4256	0	4256	1428	0	4256
4116	0	4116	718	3398	334	3064	0	3064	1052	0	3064
3969	0	3969	840	3129	56	3073	0	3073	896	400	2673
1247	0	1247	204	1043	44	999	0	999	248	0	999
613527	56670	556857	154140	402717	142724	259993	51092	208901	404626	208901	0
60854	3398	57456	16210	41246	9316	31930	286	31644	29210	17390	14254
50564	138	50426	9850	40576	8166	32410	1230	31180	19384	0	31180
624	0	624	4	620	0	620	0	620	4	0	620
1227	0	1227	0	1227	0	1227	0	1227	0	0	0
17716	0	17716	2460	15256	1328	13928	0	13928	3788	5020	8908
713	0	713	0	713	0	713	0	713	0	0	713
100	2	98	6	92	4	88	4	84	16	0	0
134	36	98	52	46	46	0	0	0	134	0	0
200	****60	140	18	122	6	116	2	114	86	0	0
26	8	18	8	10	10	0	0	0	26	0	0
8	2	6	4	2	2	0	0	0	8	0	0
175	****48	127	20	107	6	101	4	97	78	0	0
44542	0	44542	0	44542	0	44542	0	44542	0	0	44542
5200	0	5200	0	5200	0	5200	0	5200	0	5200	0
103561	0	103561	0	103561	0	103561	0	103561	0	0	103561
957633	60958	896675	193346	703329	167960	535369	52910	482459	475174	238819	242118

TO IRRIGATE GOVERNMENT LANDS. INCREASED BY 22357 ACRE FEET OF HILLCREST STORAGE.
 H AND LESS 538 ACRE FEET OF ANDERSON STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS.
 IRRIGATE GOVERNMENT LANDS.
 SETTLERS ANDERSON STORAGE INCREASED BY 538 ACRE FEET TO IRRIGATE GOVERNMENT LANDS.
 (PRODUCERS LUMBER)

THS.

E ACCOUNTS - 1974 - IN ACRE FEET

CHART NO. 10

USED AUGUST	BALANCE	USED SEPTEMBER	BALANCE	USED OCTOBER	BALANCE	TOTAL USED APRIL THRU OCT. 19-1974	ANDERSON CARRYOVER	LUCKY PEAK CARRYOVER	ARROWROCK BALANCE NO CARRYOVER
324	1210	82	1128	0	1128	406	0	1128	0
302	589	380	209	0	209	682	0	209	0
740	2448	396	2052	0	2052	1136	0	2052	0
0	988	18	970	0	970	18	525	445	0
1044	4301	504	3797	0	3797	1548	0	3797	0
30	691	24	667	0	667	60	400	267	0
94	1242	0	1242	0	1242	94	0	1242	0
104	6711	118	6593	32	6561	254	0	6561	0
130	2364	70	2294	0	2294	200	0	2294	0
4396	12923	3078	9845	0	9845	7664	937	8908	0
668	1551	800	751	260	491	2128	46	445	0
980	4704	448	4256	0	4256	1428	0	4256	0
718	3398	334	3064	0	3064	1052	0	3064	0
840	3129	56	3073	0	3073	896	400	2673	0
204	1043	44	999	0	999	248	0	999	0
154140	402717	142724	259993	51092	208901	404626	208901	0	0
16210	41246	9316	31930	286	31644	29210	17390	14254	0
9850	40576	8166	32410	1230	31180	19384	0	31180	0
4	620	0	620	0	620	4	0	620	0
0	1227	0	1227	0	1227	0	0	0	1227
2460	15256	1328	13928	0	13928	3788	5020	8908	0
0	713	0	713	0	713	0	0	713	0
6	92	4	88	4	84	16	0	0	84
52	46	46	0	0	0	134	0	0	0
18	122	6	116	2	114	86	0	0	114
8	10	10	0	0	0	26	0	0	0
4	2	2	0	0	0	8	0	0	0
20	107	6	101	4	97	78	0	0	97
0	44542	0	44542	0	44542	0	0	44542	0
0	5200	0	5200	0	5200	0	5200	0	0
0	103561	0	103561	0	103561	0	0	103561	0
193346	703329	167960	535369	52910	482459	475174	238819	242118	1522

CREATED BY 22357 ACRE FEET OF HILLCREST STORAGE.
ON STORAGE TRANSFERRED TO SETTLERS TO IRRIGATE GOVERNMENT LANDS.

538 ACRE FEET TO IRRIGATE GOVERNMENT LANDS.

STORAGE WATER ALLOCATIONS FOR ARROWROCK AND ANDERSON RESERVOIRS

CHART NO. 11

ARROWROCK

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

ANDERSON

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

STORAGE WATER ALLOCATIONS FOR LUCKY PEAK RESERVOIR

CHART NO. 11

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

Prepared by: Bob Sutter
Idaho Department
of Water Resources

IRRIGATION RETURN FLOWS OF THE BOISE VALLEY

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

SURFACE DRAINS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Discharge Measurements

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

Distribution and Composition of Total Gain

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

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

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

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

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

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

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

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

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

Diversions - Return Flow Relationships

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

TRIBUTARY AND RETURN FLOW TO BOISE RIVER
FOR IRRIGATION SEASON OF 1

APRIL

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BOISE SEWER	13	13	14	14	14	14	14	14	14	14	14	14	14	14	14	14
CONWAY GULCH	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18
DIXIE SLOUGH	134	134	134	134	137	140	143	146	149	148	148	147	147	146	146	145
DRAINAGE DISTRICT #3																
EAGLE DRAIN	13	13	13	13	13	13	13	13	13	12	12	12	12	12	12	14
FISH HATCHERY WELLS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
FIVE MILE CREEK	32	32	32	32	32	32	31	31	31	30	30	30	29	29	29	31
HARTLEY DRAIN	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	11
HARTLEY GULCH	5	5	5	6	7	8	9	10	10	10	10	10	10	10	10	10
INDIAN CREEK	140	140	140	140	152	164	176	188	200	213	225	237	249	261	273	285
MASON CREEK	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MASON DRAIN	47	47	47	46	45	44	43	43	42	41	40	39	39	38	37	38
NORTH MIDDLETON DRAIN	13	13	13	12	12	11	10	10	11	12	14	15	16	17	19	20
SOUTH MIDDLETON DRAIN	39	39	39	39	40	40	41	41	42	42	43	43	44	45	46	46
THURMAN DRAIN	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
WILLOW CREEK	16	16	16	15	14	13	13	12	11	13	16	18	21	23	26	28
TOTALS	497	497	498	496	511	523	537	552	567	579	597	610	626	640	657	675

MAY

BOISE SEWER	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
CONWAY GULCH	33	34	36	37	39	40	42	43	45	46	48	49	51	52	54	54
DIXIE SLOUGH	164	168	171	175	178	182	186	189	186	183	180	177	174	171	169	166
DRAINAGE DISTRICT #3	5	5	6	6	7	7	7	7	7	7	8	8	8	8	8	9
EAGLE DRAIN	43	44	45	45	46	47	47	48	48	49	50	50	51	52	52	53
FISH HATCHERY WELLS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
FIVE MILE CREEK	63	67	70	74	77	81	84	87	91	95	99	103	107	110	108	107
HARTLEY DRAIN	22	23	24	25	27	28	29	30	31	32	33	34	35	36	38	39
HARTLEY GULCH	30	32	34	37	39	41	43	42	41	41	40	39	38	37	36	36
INDIAN CREEK	80	81	83	85	86	88	89	91	93	94	96	98	100	102	103	104
MASON CREEK	16	17	18	19	20	21	22	23	25	26	27	28	29	30	30	29
MASON DRAIN	52	53	59	66	73	79	86	92	99	106	113	120	127	133	134	136
NORTH MIDDLETON DRAIN	28	28	37	46	55	64	73	72	72	71	71	70	70	69	69	68
SOUTH MIDDLETON DRAIN	86	90	95	99	104	108	112	115	118	122	125	128	131	135	138	141
THURMAN DRAIN	12	12	13	13	13	14	14	14	15	15	15	16	16	16	16	16
WILLOW CREEK	42	42	42	41	41	41	41	41	40	40	39	39	38	38	38	37
TOTALS	695	715	752	787	824	860	894	913	930	946	963	978	994	1008	1012	1014

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
FOR IRRIGATION SEASON OF 1974

APRIL

7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
17	17	17	17	18	18	18	18	18	18	19	20	21	22	23	24	25	26	27	28	29	30	31
143	146	149	148	148	147	147	146	146	145	145	144	143	143	142	141	141	140	143	147	150	154	157
13	13	13	12	12	12	12	12	12	14	16	18	20	22	24	26	28	30	33	36	38	40	42
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
31	31	31	30	30	30	29	29	29	31	33	35	37	39	41	43	46	48	50	52	54	56	58
12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11	12	13	15	16	17	19
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	14	17	20	23	25
176	188	200	213	225	237	249	261	273	285	261	237	214	190	166	143	119	95	71	72	74	75	77
3	3	3	3	3	3	3	3	3	3	3	2	3	4	5	6	7	8	10	11	12	13	14
43	43	42	41	40	39	39	38	37	38	39	40	41	42	43	44	45	46	46	47	48	49	50
10	10	11	12	14	15	16	17	19	20	21	22	23	24	25	26	27	27	27	27	27	28	28
41	41	42	42	43	43	44	45	46	46	47	47	48	49	49	50	51	55	60	64	68	73	77
9	9	9	9	9	9	9	9	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12
13	12	11	13	16	18	21	23	26	28	30	32	34	37	39	42	44	44	44	43	43	43	43
537	552	567	579	597	610	626	640	657	675	661	644	632	620	605	594	583	573	568	590	611	634	654

MAY

16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
42	43	45	46	48	49	51	52	54	54	54	54	54	54	55	55	55	55	55	56	56	56
186	189	186	183	180	177	174	171	169	166	163	160	157	154	151	148	163	179	195	210	226	242
7	7	7	7	8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9
47	48	48	49	50	50	51	52	52	53	54	55	55	56	57	58	58	59	60	61	61	62
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
84	87	91	95	99	103	107	110	108	107	105	103	102	100	98	96	95	93	92	90	88	86
29	30	31	32	33	34	35	36	38	39	40	41	42	43	44	43	41	40	38	37	35	34
43	42	41	41	40	39	38	37	36	36	35	34	34	33	32	33	34	34	35	36	36	37
89	91	93	94	96	98	100	102	103	104	105	106	107	108	109	110	111	113	114	116	117	118
22	23	25	26	27	28	29	30	30	29	29	29	28	28	27	27	26	26	25	25	25	24
86	92	99	106	113	120	127	133	134	136	137	138	139	140	142	143	145	147	149	151	153	155
73	72	72	71	71	70	70	69	69	68	68	67	67	66	66	67	67	68	68	69	69	70
112	115	118	122	125	128	131	135	138	141	144	148	151	154	157	158	158	159	160	160	161	162
14	14	15	15	15	16	16	16	16	16	16	17	17	17	18	18	18	19	19	19	20	20
41	41	40	40	39	39	38	38	38	37	37	36	36	37	37	35	34	32	30	28	27	25
894	913	930	946	963	978	994	1008	1012	1014	1015	1016	1017	1018	1021	1019	1033	1052	1068	1086	1102	1119

WISSE RIVER IN SECOND FEET
 MASON OF 1974

CHART NO. 12

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	418
18	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32		635
145	145	145	144	143	143	142	141	141	140	143	147	150	154	157	161		4329
12	14	16	18	20	22	24	26	28	30	33	3	3	4	4	5		25
											36	38	40	42	43		619
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		90
29	31	33	35	37	39	41	43	46	48	50	52	54	56	58	60		1145
18	11	11	11	11	11	11	11	11	12	13	15	16	17	19	20		385
10	10	10	10	10	10	10	10	10	12	14	17	20	23	25	27		343
283	283	281	237	214	190	166	143	119	95	71	72	74	75	77	78		5055
3	3	3	2	3	4	5	6	7	8	10	11	12	13	14	15		161
37	38	39	40	41	42	43	44	45	46	46	47	48	49	50	51		1307
19	20	21	22	23	24	25	26	27	27	27	27	27	28	28	28		578
46	46	47	47	48	49	49	50	51	55	60	64	68	73	77	82		1489
9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12		294
26	28	30	32	34	37	39	42	44	44	44	43	43	43	43	42		831
637	635	661	644	632	620	605	594	583	573	568	590	611	634	654	673		17704
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16		496
34	34	34	34	34	34	35	35	35	35	35	36	36	36	36	37		1531
164	166	163	160	157	154	151	148	163	179	195	210	226	242	257	273		5786
8	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		248
30	33	34	35	35	36	37	38	38	39	60	61	61	62	62	62		1652
3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2		90
108	107	105	103	102	100	98	96	95	93	92	90	88	86	85	87		2833
38	39	40	41	42	43	44	43	41	40	38	37	35	34	32	31		1057
36	36	35	34	34	33	32	33	34	34	35	36	36	37	38	39		1134
103	104	103	106	107	108	109	110	111	113	114	116	117	118	119	120		3165
30	29	29	29	28	28	27	27	26	26	25	25	25	24	24	24		771
134	136	137	138	139	140	142	143	145	147	149	151	153	155	157	157		3737
69	68	68	67	67	66	66	67	67	68	68	69	69	70	70	71		1987
138	141	144	148	151	154	157	158	158	159	160	160	161	162	163	163		4209
16	16	16	17	17	17	18	18	18	19	19	19	20	20	20	20		508
38	37	37	36	36	37	37	35	34	32	30	28	27	25	23	22		1099
1012	1014	1015	1016	1017	1018	1021	1019	1033	1032	1068	1086	1102	1119	1133	1150		30303

TRIBUTARY AND RETURN FLOW TO BOISE RIVER
FOR IRRIGATION SEASON OF 197

JUNE

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
BOISE SEWER	17	17	17	17	17	17	17	17	17	17	18	18	18	18	18	18	18
CONWAY GULCH	57	58	59	59	60	61	61	62	63	63	64	65	65	64	64	63	63
DIXIE SLOUGH	305	321	337	353	369	382	394	407	419	428	436	443	449	454	458	461	463
DRAINAGE DISTRICT #3	9	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12
EAGLE DRAIN	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
FISH HATCHERY WELLS	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
FIVE MILE CREEK	92	94	96	99	101	103	106	108	111	114	116	114	111	108	105	102	100
HARTLEY DRAIN	28	27	25	24	27	30	33	36	39	42	45	48	51	54	57	60	63
HARTLEY GULCH	40	40	41	42	41	40	39	38	37	36	35	34	33	32	31	30	29
INDIAN CREEK	120	120	121	121	121	122	124	126	128	130	131	132	133	134	135	135	136
MASON CREEK	24	25	25	25	25	25	26	26	26	26	26	25	24	23	23	22	21
MASON DRAIN	156	155	155	154	153	152	152	151	150	149	149	148	147	146	145	145	144
NORTH MIDDLETON DRAIN	72	72	73	73	70	67	64	61	58	55	52	49	46	43	41	38	35
SOUTH MIDDLETON DRAIN	165	165	166	166	165	164	163	163	162	161	160	160	159	158	157	157	156
THURMAN DRAIN	20	20	20	20	21	21	21	21	21	21	21	22	24	25	26	28	29
WILLOW CREEK	19	17	16	14	15	16	17	18	19	20	21	21	22	23	24	25	26
TOTALS	1188	1204	1224	1240	1258	1244	1231	1218	1204	1191	1177	1158	1137	1115	1096	1075	1054

JULY

BOISE SEWER	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
CONWAY GULCH	63	64	64	65	66	67	68	69	70	71	72	71	70	69	68	67	66
DIXIE SLOUGH	164	167	171	170	170	169	168	168	167	166	166	165	164	164	163	162	161
DRAINAGE DISTRICT #3	13	13	13	13	13	13	13	13	12	12	12	12	12	12	12	12	12
EAGLE DRAIN	60	60	59	59	58	58	57	57	57	57	57	56	56	56	55	55	54
FISH HATCHERY WELLS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
FIVE MILE CREEK	141	151	162	173	183	194	205	216	226	237	247	257	266	275	284	293	302
HARTLEY DRAIN	65	65	66	67	68	69	70	71	72	73	73	74	75	76	77	78	79
HARTLEY GULCH	34	34	34	34	34	34	34	34	34	33	33	33	33	33	33	33	33
INDIAN CREEK	117	111	106	118	130	142	154	166	178	190	179	167	155	143	131	119	107
MASON CREEK	22	23	24	25	26	27	28	29	30	31	30	29	28	27	26	24	23
MASON DRAIN	165	170	174	179	182	187	192	197	202	207	205	202	200	198	196	194	191
NORTH MIDDLETON DRAIN	36	36	37	37	38	38	39	40	40	41	41	42	42	43	43	44	44
SOUTH MIDDLETON DRAIN	123	121	120	119	118	117	116	115	114	114	113	112	111	111	110	109	108
THURMAN DRAIN	34	33	32	31	30	29	28	27	26	25	25	24	24	23	23	22	21
WILLOW CREEK	8	7	8	10	11	13	14	16	17	18	20	21	22	23	24	26	27
TOTALS	1067	1077	1092	1122	1149	1179	1208	1240	1267	1297	1277	1251	1227	1205	1181	1156	1132

CH

JUNE

JULY																							
1	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	
2	70	71	72	71	70	69	68	67	66	65	65	64	63	62	61	60	59	59	59	59	58	58	58
3	167	166	166	165	164	164	163	162	162	161	165	168	172	176	180	183	187	191	195	198	211	215	218
4	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	10	10	10	10	10	10
5	57	57	57	56	56	56	56	55	55	55	54	54	54	54	54	54	54	54	54	54	54	54	54
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	226	227	229	221	213	205	197	189	182	174	167	159	152	144	137	129	133	137	141	145	149	153	157
8	72	73	73	74	75	76	77	78	79	78	78	78	77	77	76	76	75	75	75	74	74	74	74
9	34	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	34	34	34	34	34	34	34
10	170	190	179	167	155	143	131	119	107	107	106	106	106	105	105	105	103	100	98	96	94	92	90
11	30	31	30	29	28	27	26	24	23	22	21	20	19	18	17	16	16	16	16	15	15	15	14
12	202	207	205	202	200	198	196	194	191	189	184	181	179	176	174	171	173	175	177	179	181	183	186
13	40	41	41	42	42	43	43	44	44	44	44	44	45	45	45	45	46	46	46	47	47	47	47
14	114	114	113	112	111	111	110	109	108	108	109	109	109	110	110	111	111	111	112	112	113	113	114
15	26	25	25	24	24	23	23	22	21	20	20	19	19	18	18	19	19	20	20	21	21	22	22
16	17	18	20	21	22	23	24	26	27	26	25	24	23	22	21	21	20	19	18	17	16	15	14
17	1267	1297	1277	1251	1227	1205	1181	1156	1132	1116	1105	1093	1085	1073	1065	1056	1064	1070	1077	1086	1100	1109	1115

ER IN SECOND FEET
1974

CHART NO. 12

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
18	18	18	18	18	18	18	18	18	18	18	18	18	18		530
63	62	61	61	60	60	59	59	58	58	59	60	61	62		1831
158	141	123	126	130	133	137	140	144	147	150	154	157	160		6590
12	12	12	12	12	12	12	12	13	13	13	13	13	13		339
62	63	63	63	63	63	63	63	63	62	62	61	61	60		1864
2	2	2	2	2	2	2	2	2	2	2	2	3	3		62
100	97	94	91	89	86	83	80	78	88	99	109	120	130		3024
63	66	66	66	66	66	66	66	66	65	65	65	65	65		1542
29	28	28	29	29	30	30	31	31	31	32	32	33	33		1015
136	137	138	139	139	140	141	142	143	144	139	133	128	122		3954
21	20	20	19	18	17	16	16	15	16	17	18	19	20		648
144	143	142	141	140	140	139	138	137	142	147	151	156	161		4428
35	32	32	32	33	33	33	34	34	34	35	35	35	36		1407
156	155	153	150	148	145	143	141	138	136	133	131	128	126		4574
29	30	32	33	34	36	37	38	39	38	37	36	35	34		840
26	27	26	24	23	21	20	19	17	16	14	13	11	10		574
1054	1033	1010	1006	1004	1002	999	999	996	1010	1022	1031	1043	1053		33222

19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	593
66	65	65	64	63	62	61	60	59	59	59	59	58	58	58	2000
162	161	165	168	172	176	180	183	187	191	195	198	211	215	218	5446
12	12	12	12	11	11	11	11	11	10	10	10	10	10	10	363
55	55	54	54	54	54	54	54	54	54	54	54	54	54	54	1730
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
182	174	167	159	152	144	137	129	133	137	141	145	149	153	157	5401
79	78	78	78	77	77	76	76	76	75	75	75	74	74	74	2281
33	33	33	33	33	33	33	33	34	34	34	34	34	34	34	1039
107	107	106	106	106	105	105	105	103	100	98	96	94	92	90	3826
23	22	21	20	19	18	17	16	16	16	16	15	15	15	14	692
191	189	184	181	179	176	174	171	173	175	177	179	181	183	186	5749
44	44	44	44	45	45	45	45	46	46	46	47	47	47	47	1319
108	108	109	109	110	110	111	111	111	112	112	113	113	114	114	3508
21	20	20	19	19	18	18	19	19	20	20	21	21	22	22	735
27	26	25	24	23	22	21	21	20	19	18	17	16	15	14	566
1132	1116	1105	1093	1085	1073	1065	1056	1064	1070	1077	1086	1100	1109	1115	35341

TRIBUTARY AND RETURN FLOW TO BOISE RIVER
FOR IRRIGATION SEASON OF 1974

AUGUST

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BOISE SEWER	20	20	20	20	20	20	20	21	21	21	21	21	21	21	21	21
CONWAY GULCH	57	57	57	57	56	56	56	56	56	56	56	56	57	57	57	57
DIXIE SLOUGH	214	219	223	228	233	237	242	247	252	256	261	266	271	276	281	277
DRAINAGE DISTRICT #3	10	10	10	10	10	9	9	9	9	9	9	9	9	9	9	9
EAGLE DRAIN	54	54	54	54	54	54	54	54	54	53	53	53	53	53	52	52
FISH HATCHERY WELLS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
FIVE MILE CREEK	161	165	169	173	177	181	185	182	179	176	173	170	166	164	162	159
HARTLEY DRAIN	14	14	14	14	14	14	14	14	14	14	14	14	14	14	19	24
HARTLEY GULCH	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	29
INDIAN CREEK	108	127	128	129	131	132	133	134	136	138	139	140	142	143	145	149
MASON CREEK	14	14	14	14	14	14	14	13	13	13	13	13	13	12	12	12
MASON DRAIN	189	191	193	195	197	199	201	199	198	196	195	193	192	190	189	186
NORTH MIDDLETON DRAIN	47	46	46	45	45	45	44	43	43	43	43	42	42	42	44	47
SOUTH MIDDLETON DRAIN	114	113	113	112	112	112	112	111	111	111	110	110	110	110	110	110
THURMAN DRAIN	23	23	24	24	25	25	25	25	26	26	26	27	27	27	28	28
WILLOW CREEK	15	17	18	19	20	22	23	24	25	26	27	28	29	30	30	30
TOTALS	1077	1107	1120	1131	1145	1157	1169	1170	1174	1175	1177	1179	1183	1185	1196	1197

SEPTEMBER

BOISE SEWER	19	19	19	19	19	19	19	19	19	19	19	19	19	18	18	18
CONWAY GULCH	62	62	62	63	63	63	63	63	63	63	63	63	62	62	62	62
DIXIE SLOUGH	257	269	280	292	303	315	326	338	350	362	374	386	376	367	357	348
DRAINAGE DISTRICT #3	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10
EAGLE DRAIN	56	56	56	56	55	55	54	54	53	52	52	51	50	50	49	48
FISH HATCHERY WELLS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
FIVE MILE CREEK	158	160	161	162	163	162	160	159	158	157	156	155	154	153	152	150
HARTLEY DRAIN	83	83	83	83	84	84	84	84	84	84	84	83	81	79	77	75
HARTLEY GULCH	27	27	27	28	28	29	29	29	30	30	30	29	28	27	26	25
INDIAN CREEK	157	158	158	158	158	164	170	176	182	188	194	192	190	189	186	183
MASON CREEK	8	8	8	7	7	8	9	10	11	12	13	14	15	16	17	18
MASON DRAIN	158	156	154	152	151	151	150	150	149	149	148	147	147	146	145	144
NORTH MIDDLETON DRAIN	72	71	71	70	70	69	69	68	68	67	67	65	63	61	59	57
SOUTH MIDDLETON DRAIN	121	124	126	128	130	133	135	137	140	142	143	139	135	131	127	123
THURMAN DRAIN	25	24	24	24	24	25	25	25	26	26	26	27	27	27	28	29
WILLOW CREEK	38	40	42	43	45	47	48	50	51	53	54	53	52	51	50	49
TOTALS	1253	1269	1283	1297	1313	1337	1354	1375	1397	1417	1436	1436	1412	1391	1368	1343

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
FOR IRRIGATION SEASON OF 1974

AUGUST

7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
56	56	56	56	56	56	57	57	57	57	57	58	58	58	58	58	58	59	59	60	60
242	247	252	256	261	266	271	276	281	277	273	269	265	261	256	252	248	244	240	236	231
9	9	9	9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8	8
54	54	54	53	53	53	53	53	52	52	52	52	52	52	52	53	53	53	54	54	54
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
185	182	179	176	173	170	166	164	162	159	156	153	150	147	144	145	146	148	149	150	151
14	14	14	14	14	14	14	14	19	24	29	34	39	43	48	53	58	63	68	73	78
34	34	34	34	34	34	34	34	34	33	33	32	32	31	31	30	29	29	28	27	27
133	134	136	138	139	140	142	143	145	147	149	151	153	155	157	157	157	157	157	157	157
14	13	13	13	13	13	13	12	12	12	12	12	12	12	12	12	12	11	11	11	10
201	199	198	196	195	193	192	190	189	187	186	184	183	181	180	178	176	174	172	170	168
44	44	43	43	43	42	42	42	44	47	49	51	53	55	57	60	62	64	67	69	71
112	111	111	111	110	110	110	110	110	110	110	110	111	111	111	111	111	112	112	112	112
25	25	26	26	26	27	27	27	28	28	28	29	29	29	29	28	28	28	27	27	26
23	24	25	26	27	28	29	30	30	30	30	30	31	31	31	31	31	32	32	32	32
7	1169	1170	1174	1175	1177	1179	1183	1185	1196	1196	1197	1198	1201	1198	1198	1200	1201	1206	1208	1210

SEPTEMBER

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
9	19	19	19	19	19	19	19	18	18	18	18	18	18	18	18	18	18	18	18	18	18
53	63	63	63	63	63	63	62	62	62	62	62	62	61	61	60	59	59	58	57	57	57
15	326	338	350	362	374	386	376	367	357	348	338	329	319	310	300	291	282	272	263	254	266
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
55	54	54	53	52	52	51	50	50	49	48	49	51	53	55	57	59	61	63	65	67	71
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
62	160	159	158	157	156	155	154	153	152	150	148	144	140	136	132	128	123	119	115	111	107
84	84	84	84	84	84	83	81	79	77	75	73	71	69	68	66	65	63	62	62	62	61
29	29	29	30	30	30	29	28	27	26	25	25	24	23	22	22	21	20	19	19	20	21
64	170	176	182	188	194	192	190	189	186	183	181	179	177	179	181	183	185	187	189	192	198
8	9	10	11	12	13	14	15	16	17	18	19	19	19	19	19	19	19	19	19	19	19
51	150	150	149	149	148	147	147	146	145	145	144	144	144	144	145	145	145	146	146	146	147
69	69	68	68	67	67	65	63	61	59	57	55	53	51	48	45	42	39	37	38	38	39
33	135	137	140	142	143	139	135	131	127	123	119	115	112	108	104	100	96	92	94	97	102
25	25	25	26	26	26	27	27	28	28	29	29	29	29	29	29	29	29	29	29	29	29
47	48	50	51	53	54	53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	37
37	1354	1375	1397	1417	1436	1436	1412	1391	1366	1343	1321	1298	1275	1255	1236	1216	1195	1176	1169	1173	1182

RIVER IN SECOND FEET
OF 1974

CHART NO. 12

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	644
57	57	58	58	58	58	58	58	59	59	60	60	60	61	61	61	1790
277	273	269	265	261	256	252	248	244	240	236	231	227	223	234	246	7688
9	9	9	9	8	8	8	8	8	8	8	8	8	8	8	9	273
32	32	32	32	32	32	33	33	33	34	34	34	35	35	35	36	1657
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
159	156	153	150	147	144	145	146	148	149	150	151	153	154	156	157	5001
24	29	34	39	43	48	53	58	63	68	73	78	83	83	83	83	1157
33	33	32	32	31	31	30	29	29	28	27	27	26	26	26	26	976
147	149	151	153	155	157	157	157	157	157	157	157	157	157	157	157	4487
12	12	12	12	12	12	12	12	11	11	11	10	10	10	9	9	377
187	186	184	183	181	180	178	176	174	172	170	168	166	164	162	160	5708
47	49	51	53	55	57	60	62	64	67	69	71	74	73	73	72	1658
110	110	110	111	111	111	111	111	112	112	112	112	112	114	117	119	3466
28	28	29	29	29	29	28	28	28	27	27	26	26	26	25	25	819
30	30	30	31	31	31	31	31	32	32	32	32	32	33	35	36	862
1196	1197	1198	1201	1198	1198	1200	1201	1206	1208	1210	1209	1213	1211	1225	1240	36656
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		553
62	62	62	62	61	61	60	60	59	59	58	57	57	56	55		1830
348	338	329	319	310	300	291	282	272	263	264	266	267	269	270		9340
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		296
48	49	51	53	55	57	59	61	63	65	67	69	71	73	75		1715
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		90
150	148	144	140	136	132	128	123	119	115	111	107	103	99	94		4219
75	73	71	69	68	66	65	63	62	62	62	61	61	61	61		2220
25	25	24	23	22	22	21	20	19	19	20	20	21	21	22		748
183	181	179	177	179	181	183	185	187	189	192	195	198	202	205		5436
18	19	19	19	19	19	19	19	19	19	19	19	19	19	19		447
145	144	144	144	144	145	145	145	146	146	146	146	147	147	147		4434
57	55	53	51	48	45	42	39	37	38	38	39	39	40	40		1671
123	119	115	112	108	104	100	96	92	94	97	99	102	104	106		3562
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29		819
49	48	47	46	45	44	43	42	41	40	39	38	37	35	34		1345
1343	1321	1298	1275	1255	1236	1216	1195	1176	1169	1173	1176	1182	1186	1188		38725

TRIBUTARY AND RETURN FLOW TO BOISE RIVER
FOR IRRIGATION SEASON OF 1974

OCTOBER

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
BOISE SEWER	17	17	17	17	17	17	17	17	17	17	17	16	16	16	16		
CONWAY GULCH	55	54	54	54	54	54	54	54	54	54	54	54	54	54	54		
DIXIE SLOUGH	272	274	276	278	280	282	283	285	286	286	286	286	286	286	286		
DRAINAGE DISTRICT #3	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9		
EAGLE DRAIN	74	72	71	70	68	67	66	65	63	62	60	59	58	56	55		
FISH HATCHERY WELLS	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		
FIVE MILE CREEK	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90		
HARTLEY DRAIN	60	60	60	60	59	59	59	59	59	59	59	59	59	59	59		
HARTLEY GULCH	23	23	24	24	25	25	26	26	26	26	26	26	26	26	26		
INDIAN CREEK	209	213	222	231	240	249	258	267	277	259	242	224	207	189	172		
MASON CREEK	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19		
MASON DRAIN	147	147	147	147	147	147	147	147	147	147	147	147	147	147	147		
NORTH MIDDLETON DRAIN	41	41	42	42	43	43	44	44	44	44	44	44	44	44	44		
SOUTH MIDDLETON DRAIN	109	111	114	117	119	121	123	125	125	125	125	125	125	125	125		
THURMAN DRAIN	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29		
WILLOW CREEK	33	32	30	29	28	27	26	25	25	25	25	25	25	25	25		
TOTALS	1190	1194	1207	1219	1230	1241	1253	1264	1273	1254	1235	1215	1197	1177	1159		

TRIBUTARY AND RETURN FLOW TO BOISE RIVER IN SECOND FEET
FOR IRRIGATION SEASON OF 1974

CHART N

OCTOBER

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
17	17	17	16	16	16	16																	
54	54	54	54	54	54	54																	
286	286	286	286	286	286	286																	
9	9	9	9	9	9	9																	
63	62	60	59	58	56	55																	
3	3	3	3	3	3	3																	
90	90	90	90	90	90	90																	
59	59	59	59	59	59	59																	
26	26	26	26	26	26	26																	
277	259	242	224	207	189	172																	
19	19	19	19	19	19	19																	
147	147	147	147	147	147	147																	
44	44	44	44	44	44	44																	
125	125	125	125	125	125	125																	
29	29	29	29	29	29	29																	
25	25	25	25	25	25	25																	
273	1254	1235	1215	1197	1177	1159																	

1830

TO BOISE RIVER IN SECOND FEET
IN SEASON OF 1974

CHART NO. 12

POWER

[illegible]

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY DRAIN DISCHARGES INTO THE BOISE RIVER
DURING IRRIGATION SEASON OF 1974

CHART NO. 13

NAME OF DRAIN	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	OCTOBER	TOTAL
BOISE SEWER	836	992	1060	1186	1288	1106	502	6970
CONWAY GULCH	1270	3062	3662	4000	3580	3660	1622	20856
DIXIE SLOUGH	8658	11572	13180	10892	15376	18680	8464	86822
FISH HATCHERY WELLS	180	180	124	186	186	180	90	1126
FIVE MILE CREEK	2290	5666	6048	10802	10002	8438	2700	45946
INDIAN CREEK	10110	6330	7908	7652	8974	10872	6918	58764
MASON CREEK	322	1542	1296	1384	754	894	570	6762
MASON DRAIN	2614	7474	8856	11498	11416	8868	4410	55136
TOTAL	26280	36818	42134	47600	51576	52698	25276	282382

DRAINAGE DISTRICT #2 (ENTERS INTO BOISE RIVER)

EAGLE DRAIN	1238	3304	3728	3460	3314	3430	1932	20406
HARTLEY DRAIN	770	2114	3084	4562	2314	4440	1778	19062
HARTLEY GULCH	686	2268	2030	2078	1952	1496	756	11266
NORTH MIDDLETON	1156	3974	2814	2638	3316	3342	1296	18536
SOUTH MIDDLETON	2978	8418	9148	7016	6932	7124	3628	45244
WILLOW CREEK	1662	2198	1148	1132	1724	2690	810	11364
TOTAL	8490	22276	21952	20886	19552	22522	10200	125878

(DIVERTED INTO CANALS)

LONG FEEDER	0	628	608	954	1060	724	380	4354
STAR FEEDER	100	2976	3164	3566	4198	3662	922	18588
WATTS CHECK	282	1726	1590	1264	1042	1494	534	7932
TOTAL	382	5330	5362	5784	6300	5880	1836	30874
TOTAL	8872	27606	27314	26670	25852	28402	12036	156752

DRAINAGE DISTRICT #3

RIDENBAUGH, BOOTH & MYERS DRAIN	50	496	678	726	546	592	270	3358
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DRAINAGE DISTRICT #4

THURMAN DRAIN	588	1016	1680	1470	1638	1638	870	8900
TOTAL-ALL DRAINS	35790	65936	71806	76466	79612	83330	38452	451392

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

CHART NO. 14

CANAL DELIVERIES - TRIBUTARY GAIN + SEEPAGE GAIN - NET GAIN BY MONTHS IN ACRE FEET

JULY 1, 1974 THRU OCTOBER 15, 1974

	JULY	AUGUST	SEPTEMBER	OCTOBER	TOTALS
BOISE RIVER AT DIVERSION DAM	299182	270640	221820	91642	883284
TRIBUTARY GAIN	70682	73312	77450	36616	258060
TOTAL AVAILABLE	369864	343952	299270	128258	1141344
DELIVERIES TO CANALS	344268	340530	281088	110052	1075938
NET TRIBUTARY GAIN UNUSED	25596	3422	18182	18206	65406
SEEPAGE GAIN					

CHART NO. 15

[illegible]

CHART NO. 16

[illegible]

TABLE SHOWING TOTAL DISCHARGE OF ALL DRAINS
IN DRAINAGE DISTRICT NO. 4, FOR 2,500 ACRES

1974

[illegible]

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

CHART NO. 17

MONTH	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974
APRIL	570	377	440	638	532	849	1003	345	289	592	457	775	645	626	596
MAY	1879	1007	1254	894	1179	776	1226	702	927	1016	1063	1112	1192	949	1063
JUNE	1461	998	946	1505	1625	1386	1416	682	1017	1181	1205	1369	1365	1113	1196
JULY	1318	878	1143	1180	1227	1327	1088	802	1086	947	1107	1259	1282	1097	1233
AUGUST	1510	817	1164	1225	1412	1520	1064	867	1055	1010	1197	1294	1298	1102	1284
SEPTEMBER	1442	1096	1299	1481	1475	1430	1169	735	910	1048	1345	1472	1462	1204	1389
OCTOBER					1277	2922	1152	672	1028	1065	1136	1384	1364	1201	1282
AVERAGE	1363	862	1041	1154	1247	1459	1160	686	902	980	1073	1238	1230	1042	1149

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.

DRAINAGE DISTRICT NO. 3

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

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

DRAINAGE DISTRICT NO. 4

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

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

INTERVENORS - STEWART DECREE

CHART NO. 21

BOISE RIVER

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

TABLE SHOWING CHANGE IN POINT

NO. OF CHANGE OF POINT OF DIVERSION	POINT OF DIVERSION		DEPT. OF WATER ADMINISTRATION	PRIORITY	
	FROM	TO		NO.	DATE
12	SIEBENBERG	CANYON DITCH	63-0138	9	6-1-1865
29	CALDWELL HIGH LINE	CANYON COUNTY	63-0179	46	6-1-1869
32	DAVIS	DAVIS DITCH	63-0122	119	6-1-1891
33	PIONEER DIXIE	RIVERSIDE	(63-0136	(8	9-1-1864
36	CANYON COUNTY	MIDDLETON WATER	(63-0137	(45	6-1-1869
36A	AMERICAN DITCH	PIONEER DIXIE	63-0168	35	6-1-1867
38	HART & DAVIS	SEVEN SUCKERS	63-0233	96	10-1-1887
39	HART & DAVIS	SEVEN SUCKERS	(63-0186	(57	6-1-1872
47	AMERICAN DITCH	EUREKA No. 2	(63-0187	(58	6-1-1872
48	AMERICAN DITCH	PIONEER DIXIE	(63-0186	(57	6-1-1872
50	LOWER CENTER POINT	BOWMAN & SWISHER	(63-0187	(58	6-1-1872
51	LOWER CENTER POINT	BOWMAN & SWISHER	63-0233	96	10-1-1887
54	CANYON COUNTY	MIDDLETON MILL	63-0233	96	10-1-1887
57	MIDDLETON WATER	BALLENTYNE	63-0151	19	6-1-1865
59	KENNEDY	CANYON COUNTY	63-0152	20	6-1-1865
61	KENNEDY & LAWRENCE	MIDDLETON WATER	63-0168	35	6-1-1867
62	PIONEER DIXIE	EUREKA No. 2	63-0198	65	6-1-1877
64	BALLENTYNE	NEW DRY CREEK	63-0163	31	6-1-1866
71	UPPER CENTER POINT	EUREKA No. 2	63-0255	318	6-1-1866
75	MIDDLETON MILL	CANYON COUNTY	63-0233	96	10-1-1887
76	THURMAN DRAIN	SETTLERS	63-0238	102	6-1-1888
77	BUBB	BAHLER	63-0156	24	6-1-1865
83	WARM SPRINGS DITCH	SETTLERS	63-0168	35	6-1-1867
84	MIDDLETON WATER	FARMERS UNION	63-0257	858	4-1-1883
85	UPPER CENTER POINT	EUREKA No. 2	(63-0278	(8A	4-1-1865
103	PARMA DITCH	PARMA DITCH	(63-0279	(47A	4-1-1870
126	LAWRENCE & KENNEDY	MIDDLETON WATER	63-0287	85A	6-1-1882
127	BOWMAN & SWISHER	BAXTER DITCH	63-0198	65	6-1-1877
131	EUREKA No. 2	LOWER CENTER POINT	63-0156	24	6-1-1865
140	BALLENTYNE	NEW DRY CREEK	(63-0203	(71	6-1-1878
141	FISCHER POWER	FISCHER POWER	(63-0209	(74	6-1-1880
147	MIDDLETON MILL	CANYON COUNTY	(63-0272	(77A	6-1-1888
148	PIONEER DIXIE	UPPER CENTER POINT	(63-0274	(77B	6-1-1888
151	NEW DRY CREEK	BALLENTYNE	(63-0275	(77C	6-1-1888
152	BAHLER DITCH	RIDENBAUGH	(63-0273	(77D	6-1-1888
153	REIN-KEOH-BAHLER	RIDENBAUGH	(63-0204	(125	6-1-1894
154	BAHLER DITCH	RIDENBAUGH	63-0254	31A	6-1-1866
159	UPPER CENTER POINT	EUREKA No. 2	63-0152	20	6-1-1865
161	BALLENTYNE	NEW DRY CREEK	63-0223	89	11-9-1883
166	EUREKA No. 2	PIONEER DIXIE	63-0260	85D	5-1-1883
171	EUREKA No. 2	EUREKA No. 2	63-2093	1246	1908
			63-0168	35	6-1-1867
			63-0233	96	10-1-1887
			63-0258	124A	5-1-1893
			63-0279	47A	4-1-1870
			63-0249	127	5-1-1895
			63-0278	8A	4-1-1865
			63-0156	24	6-1-1865
			63-0239	103	6-1-1888
			63-0233	96	10-1-1887
			(63-0223	(89	11-9-1883
			(63-0233	(96	10-1-1887
			(63-0156	(24	6-1-1865

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

DEPT. OF WATER ADMINISTRATION	PRIORITY NO.	DATE	DATE OF CHANGE	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED
63-0138	9	6-1-1865	4-8-1912	.50	25	HENRY MEEK
63-0179	46	6-1-1869	8-26-1918	1.00	50	J. C. HUGHES
63-0122	119	6-1-1891	7-15-1919	.54	27	DAVIS ESTATE
(63-0136	(8	9-1-1864	4-3-1919	.72	36	REBECCA BELL
(63-0137	(45	6-1-1869		1.28	64	
63-0168	35	6-1-1867	4-12-1918	.38	19	DRAPER, BODLE,
63-0233	96	10-1-1887	4-19-1909	2.00	100	C. H. ROSENBERG
(63-0186	(57	6-1-1872	9-24-1915	(1.04	(52	SHAFFER, BLAIR,
(63-0187	(58	6-1-1872		(	(	
(63-0186	(57	6-1-1872	6-12-1918	(	(	GEORGE RAMBO
(63-0187	(58	6-1-1872		(	(	
63-0233	96	10-1-1887				
63-0233	96	10-1-1887	3-18-1910	29.50	1475	AMERICAN DITCH A
63-0151	19	6-1-1865	3-31-1910	4.10	210	NANCY & WILLIAM
63-0152	20	6-1-1865	3-31-1920	2.88	144	JOHN SWISHER
63-0168	35	6-1-1867	3-31-1920	6.40	320	BIRD BOWMAN
63-0198	65	6-1-1877	4-24-1920	1.11	55.5	H. G. DUDLEY
63-0163	31	6-1-1866	12-2-1920	.60	30	EDWARD MCCLINTOCK
63-0255	31B	6-1-1866	3-18-1921	2.60	130	DANIEL W. KENNEDY
63-0233	96	10-1-1887	6-22-1921	.60	30	MINNIE COUZENS
63-0238	102	6-1-1888	11-14-1910	1.00	50	J. A. CARTRIGHT
63-0156	24	6-1-1865	12-21-1921	.20	10	HARRY SEAVEY
63-0168	35	6-1-1867	3-14-1911	.80	40	J. D. ROLAND
63-0257	85B	4-1-1883	11-25-1924	.50	25	DETWEDE, NORTHWES
(63-0278	(8A	4-1-1865	3-12-1925	1.00	50	JACOB BINGMAN
(63-0279	(47A	4-1-1870	4-26-1925	.80	40	ADOLPH BAHLER
63-0287	85A	6-1-1882		.80	40	
63-0198	65	6-1-1877	4-29-1926	.72	36	LEO MARSTERS
63-0156	24	6-1-1865	3-9-1926	.80	40	J. C. RALPHS
(63-0203	(71	6-1-1878	5-7-1926	.50	25	J. C. BRUCE
(63-0209	(74	6-1-1880	10-3-1928	11.96	598	CHARLES JURRIES
(63-0272	(77A	6-1-1888				
(63-0274	(77B	6-1-1888				
(63-0275	(77C	6-1-1888				
(63-0273	(77D	6-1-1888				
(63-0204	(125	6-1-1894				
63-0254	31A	6-1-1866				
63-0152	20	6-1-1865	3-25-1931	2.30	115	WILLIAM MUSSER
63-0223	89	11-9-1883	8-15-1930	.80	40	WILLIAM BAXTER
63-0260	85D	5-1-1883	1-16-1932	.70	35	R. E. MCGUIRE
63-2093		12-16-1908	4-11-1934	.06	3	CHARLES H. SCHMELZE
63-0168	35	6-1-1867	12-18-1934	200.00	10000	FISCHER POWER ONLY
63-0233	96	10-1-1887	1-8-1936	.20	10	CORA M. CLIFTON
63-0258	124A	5-1-1893	4-17-1936	3.00	150	DORA GREER
63-0279	47A	4-1-1870	2-18-1937	.135	6.75	J. H. CONE
63-0249	127	5-1-1895	5-15-1937	.80	40	ADOLPH BAHLER
63-0278	8A	4-1-1865	5-15-1937	1.00	50	ADOLPH BAHLER
63-0156	24	6-1-1865	5-15-1937	.80	40	ADOLPH BAHLER
63-0239	103	6-1-1888	5-27-1939	.10	5	RAYMOND T. BRESHEAR
63-0233	96	10-1-1887	5-5-1940	.65	32.5	SIDMAN I. BARBER
(63-0223	(89	11-9-1883	4-21-1941	.60	30	D. W. BALDWIN
(63-0233	(96	10-1-1887	2-26-1943	21.70	1085	RAYMOND T. BRESHEAR
(63-0156	(24	6-1-1865		29.50	1475	
				1.30	65	

OF DECREEED RIGHTS ON BOISE RIVER

CHART NO. 22

DATE OF CHANGE	QUANTITY IN CFS	QUANTITY IN INCHES
3-1912	.50	25
5-1918	1.00	50
5-1919	.54	27
3-1919	.72	36
	1.28	64
2-1918	.38	19
9-1909	2.00	100
4-1915	(1.04	(52
	(	(
2-1918	(	(
	(	(
18-1910	29.50	1475
31-1910	4.10	210
31-1920	2.88	144
31-1920	6.40	320
24-1920	1.11	55.5
-2-1920	.60	30
18-1921	2.60	130
22-1921	.60	30
14-1910	1.00	50
21-1921	.20	10
14-1911	.80	40
25-1924	.50	25
12-1925	1.00	50
26-1925	.80	40
	.80	40
29-1926	.72	36
3-9-1926	.80	40
5-7-1926	.50	25
0-3-1928	11.96	598

BY WHOM TRANSFERRED	REMARKS
HENRY MEER	
J. C. HUGHES	
DAVIS ESTATE	
REBECCA BELL	
DRAPER, BODLE, WATT, SURGEON	FLAKE DITCH
C. H. ROSENBERGER	
SHAFFER, BLAIR, JENKINS, PARROTT	
GEORGE RAMBO	
AMERICAN DITCH ASSN.	
NANCY & WILLIAM NICHOLS, C.W. COOPER	
JOHN SWISHER	
BIRD BOWMAN	
H. G. DUDLEY	FOOTE & WISEMAN
EDWARD MCCLINTOCK	
DANIEL W. KENNEDY	
MINNIE COUZENS	
J. A. CARTRIGHT	
HARRY SEAVEY	
J. D. ROLAND	
DETWEDE, NORTHWESTERN & PACIFIC HYPOTHECKBANK	
JACOB BINGMAN	
ADOLPH BAHLER	
LEO MARSTERS	
J. C. RALPHS	
J. C. BRUCE	
CHARLES JURRIES	NEW DIVERSION POINT
WILLIAM MUSSER	
WILLIAM BAXTER	
R. E. MCGUIRE	
CHARLES H. SCHMELZER	
FISCHER POWER ONLY	
CORA M. CLIFTON	BELOW FAIRVIEW BRIDGE
DORA GREER	
J. H. CONE	
ADOLPH BAHLER	
ADOLPH BAHLER	
ADOLPH BAHLER	
RAYMOND T. BRESHEARS	
SIDMAN I. BARBER	
D. W. BALDWIN	
RAYMOND T. BRESHEARS	NEW DIVERSION POINT

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF DEC

NO. OF CHANGE OF POINT OF DIVERSION	POINT OF DIVERSION		DEPT. OF WATER ADMINISTRATION	PRIORITY		DATE OF CHANGE
	FROM	TO		NO.	DATE	
172	UPPER CENTER POINT	UPPER CENTER POINT	(63-0155	(23	6-1-1865	2-26-1943
			(63-0156	(24	6-1-1865	
			(63-0157	(25	6-1-1865	
			(63-0158	(26	6-1-1865	
			(63-0159	(27	6-1-1865	
			(63-0233	(96	10-1-1887	
174	BALLENTYNE	NEW DRY CREEK	63-0239	103	6-1-1888	3-28-1944
175	RIVERSIDE	EUREKA NO. 2	63-0222	88	6-1-1883	4-11-1944
176	MAMMON DITCH	HAAS DITCH	63-0202	70	6-1-1878	4-18-1944
179	MACE CATLIN	SEVEN SUCKERS	(63-0132	(5	6-1-1864	3-31-1945
			(63-0133	(52	6-1-1871	
224	EUREKA NO. 2	BOWMAN & SWISHER	(63-0223	(89	11-9-1883	9-3-1954
			(63-0233	(96	10-1-1887	
227	O'DONNELL	BOISE RIVER	63-0276	114A	5-1-1889	12-17-1954
243	BOISE RIVER	BOISE VALLEY	63-2360	LICENSE#15242		6-30-1958
245	EUREKA NO. 2	LOWER CENTER POINT	63-0223	89	11-9-1883	6-30-1958
254	ROBIE CREEK	MORES CREEK	63-2036	LICENSE#1968		12-20-1961
257	O'DONNELL	PARMA DITCH	63-0271	114B	5-1-1889	10-10-1962
287	EUREKA NO. 2	LOWER CENTER POINT	63-0223	89	11-9-1883	1-18-1966
289	EUREKA NO. 2	UPPER CENTER POINT	63-0223	89	11-9-1883	3-18-1966
305	MEEVES NO. 1	MEEVES NO. 2	63-0185	53	6-1-1871	6-10-1968
1575	LAWRENCE & KENNEDY	LITTLE PIONEER	63-0001	31C	6-1-1866	9-23-1968
1647	THURMAN MILL	BOISE RIVER	63-0213	80	6-1-1882	12-7-1970

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

OF WATER ISTRATION	PRIORITY NO.	DATE	DATE OF CHANGE	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED
3-0155	(23	6-1-1865	2-26-1943	12.72	6360	HARRY VAIL
3-0156	(24	6-1-1865				
3-0157	(25	6-1-1865				
3-0158	(26	6-1-1865				
3-0159	(27	6-1-1865				
3-0233	(96	10-1-1887		3.00	150	
3-0239	103	6-1-1888	3-28-1944	.24	12	FRANK M. RAY
3-0222	88	6-1-1883	4-11-1944	1.70	85	WILBUR BRESHEARS
3-0202	70	6-1-1878	4-18-1944	8.80	440	CHARLOTTIE D. ALLEN
3-0132	(5	6-1-1864	3-31-1945	.168	8.4	IDAHO FISH & GAME DEPT
3-0133	(52	6-1-1871		.072	3.6	
3-0223	(89	11-9-1883	9-3-1954	.70	35	J. E. HOUSTON
3-0233	(96	10-1-1887		.20	10	
3-0276	114A	5-1-1889	12-17-1954	1.60	80	A. C. CRAWFORTH
3-2360	LICENSE#15242	7-19-1921	6-30-1958	1.20	60	MARIE ECHEVARRIA & I.N.
3-0223	89	11-9-1883	6-30-1958	.60	30	J. E. EKBERG
3-2036	LICENSE#1968	5-1-1906	12-20-1961	4.00	200	HARVEY BURNETT
3-0271	114B	5-1-1889	10-10-1962	.80	40	BERT L. TREDWAY
3-0223	89	11-9-1883	1-18-1966	1.40	70	JOHN E. EKBERG
3-0223	89	11-9-1883	3-18-1966	.50	25	EARL GILES
3-0185	53	6-1-1871	6-10-1968	1.80	90	CHARLES LITTLE
3-0001	31C	6-1-1866	9-23-1968	1.10	55	MILTON SPARKS
3-0213	80	6-1-1882	12-7-1970	1.60	80	CLARENCE T. LARSON

D RIGHTS ON BOISE RIVER

CHART NO. 22

QUANTITY
IN CFS

QUANTITY
IN INCHES

BY WHOM
TRANSFERRED

REMARKS

12.72

6360

HARRY VAIL

NEW DIVERSION POINT

3.00

150

.24

12

1.70

85

8.80

440

.168

8.4

.072

3.6

.70

35

.20

10

1.60

80

1.20

60

.60

30

4.00

200

.80

40

1.40

70

.50

25

1.80

90

1.10

55

1.60

80

FRANK M. RAY

WILBUR BRESHEARS

CHARLOTTIE D. ALLEN

IDAHO FISH & GAME DEPT.

J. E. HOUSTON

A. C. CRAWFORTH

MARIE ECHEVARRIA & I. N. KESSINGER

J. E. EKBERG

HARVEY BURNETT

BERT L. TREDWAY

JOHN E. EKBERG

EARL GILES

CHARLES LITTLE

MILTON SPARKS

CLARENCE T. LARSON

PUMPED FROM RIVER

(FORMERLY DIVERTED FROM A
SLOUGH)

O'DONNELL DITCH WASHED AWAY

PUMPED FROM RIVER

TRANSFERS OF DECREED RIGHTS

NO. OF TRANSFER	POINT OF DIVERSION		DEPT. OF WATER ADMINISTRATION	PRIORITY		DATE	DATE TRANSFER
	FROM	TO		NO.	DATE		
38	AMERICAN DITCH ASSN.	CANYON DITCH	63-0233	96	10-1-1887		9-1-
46	BARBER LUMBER CO.	PENITENTIARY	63-0184	50	6-1-1870		2-4-1
105	SIEBENBERG	CANYON DITCH	63-0138	9	6-1-1865		9-18-1
111	EUREKA NO. 2	HILLCREST	(63-0233	(96	10-1-1887		11-25-15
	PIONEER DIXIE	"	(63-0136	(8	9-1-1864		
136	"	"	(63-0137	(45	6-1-1869		
219	JACOBS	FARMERS UNION	63-0123	2	6-1-1864		6-8-191
300	PIONEER IRRIGATION DIST.	PIONEER IRRIGATION DIST.	(63-0124	(3	6-1-1864		7-15-191
	MIDDLETON MILL	NEW DRY CREEK	(63-0125	(54	6-1-1871		4-20-1921
301	MIDDLETON MILL	NEW DRY CREEK	(63-0126	(120	6-1-1891		
			(63-0124	(3	6-1-1864		4-20-1921
347	MIDDLETON MILL	SETTLERS	(63-0125	(54	6-1-1871		
349	MIDDLETON MILL	SETTLERS	63-0124	(120	6-1-1891		
350	MIDDLETON MILL	SETTLERS	63-0124	3	6-1-1864		2-6-1925
357	MIDDLETON WATER	SETTLERS	63-0124	3	6-1-1864		2-6-1925
370	BOISE CITY	SETTLERS	63-0198	3	6-1-1864		2-6-1925
373	BOISE CITY	FARMERS UNION	63-0165	65	6-1-1877		5-5-1925
374	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866		3-16-1926
375	MIDDLETON WATER	FARMERS UNION	63-0198	33	6-1-1866		4-26-1926
384	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877		5-6-1926
385	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877		5-6-1926
386	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877		7-8-1926
387	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877		7-8-1926
391	MIDDLETON WATER	FARMERS UNION	63-0198	65	6-1-1877		7-8-1926
	MIDDLETON MILL	FARMERS UNION	(63-0124	(3	6-1-1864		8-13-1926
392	MIDDLETON WATER	RIDENBAUGH	(63-0125	(54	6-1-1871		
393	MIDDLETON MILL	FARMERS UNION	63-0198	65	6-1-1877		8-21-1926
			(63-0124	(3	6-1-1864		9-15-1926
395	MIDDLETON WATER	FARMERS UNION	(63-0125	(54	6-1-1871		
412	THURMAN MILL	SETTLERS	(63-0126	(120	6-1-1891		
430	FARMERS UNION	SETTLERS	63-0198	65	6-1-1877		11-16-1926
466	RIDENBAUGH	SETTLERS	63-0214	81	6-1-1882		12-3-1927
512	JACOBS CANAL	NEW YORK	63-0198	65	6-1-1877		7-2-1928
513	JACOBS CANAL	FARMERS UNION	63-0200	106	8-20-1888		7-6-1929
530	JACOBS CANAL	FARMERS UNION	63-0120	1	6-1-1864		5-27-1932
595	JACOBS CANAL	FARMERS UNION	63-0120	1	6-1-1864		5-27-1932
	"	NAMPA MERIDIAN	63-0120	1	6-1-1864		5-15-1934
608	"	SETTLERS		1	6-1-1864		9-9-1938
644	RIVERSIDE	PIONEER DIXIE	63-0222	88	6-1-1883		4-29-1940
654	RIVERSIDE	PIONEER DIXIE	63-0222	88	6-1-1883		12-9-1942
660	CONSUMERS	SETTLERS	63-0161	30	5-1-1866		10-18-1943
694	RIVERSIDE	PIONEER DIXIE	63-0222	88	6-1-1883		4-11-1944
701	CONSUMERS	SETTLERS	63-0161	30	5-1-1866		4-29-1946
702	CONSUMERS	NEW YORK	63-0161	30	5-1-1866		12-20-1946
712	CONSUMERS	SETTLERS	63-0161	30	5-1-1866		12-20-1946
713	CONSUMERS	SETTLERS	63-0161	30	5-1-1866		6-14-1947
717	SIEBENBERG	NEW DRY CREEK	63-0161	30	5-1-1866		6-14-1947
720	CONSUMERS	FARMERS CO-OP.	63-0138	9	6-1-1865		11-25-1947
		SETTLERS	63-0161	30	5-1-1866		5-4-1948

TRANSFERS OF DECREEED RIGHTS ON BOISE RIVER

PRIORITY NO.	DATE	DATE OF TRANSFER	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED
96	10-1-1887	9-1-1909	12.10	605	WM. M. MESSLER
50	6-1-1870	2-4-1910	2.24	112	BARBER LUMBER CO.
9	6-1-1865	9-18-1912	.50	25	H. E. MEEK
(96	10-1-1887	11-25-1912	1.20)	60)	H. L. RANDALL ET AL
(8	9-1-1864		20.34)	1017)	
(45	6-1-1869				
2	6-1-1864	6-8-1914	20.00	1000	BOISE FRUIT TRACT CO.
		7-15-1918	8.64	432	PIONEER IRRIGATION DISTRICT
(3	6-1-1864	4-20-1921	.35	17.5	EMMA M. FOWLER
(54	6-1-1871				
(120	6-1-1891				
(3	6-1-1864	4-20-1921	1.54	77	JOHN F. GROOME
(54	6-1-1871				
(120	6-1-1891				
3	6-1-1864	2-6-1925	.14	7	C. E. WHITE
3	6-1-1864	2-6-1925	.14	7	FRANK WEASEL
3	6-1-1864	2-6-1925	.14	7	CARL A. GISH
65	6-1-1877	5-5-1925	.20	10	NELLIE B. WHITAKER
33	6-1-1866	3-16-1926	1.125	56.2	HENRY W. BARTLETT
33	6-1-1866	4-26-1926	.375	18.7	L. A. RICE
65	6-1-1877	5-6-1926	.40	20	H. D. PARKS
65	6-1-1877	5-6-1926	.20	10	A. G. WING
65	6-1-1877	7-8-1926	.40	20	MARY F. LEACH
65	6-1-1877	7-8-1926	.266	13.3	H. E. MCCONNELL
65	6-1-1877	7-8-1926	.40	20	H. W. BARTLETT
65	6-1-1877	7-8-1926	.40	20	E. E. SMITH
(3	6-1-1864	8-13-1926	.15	7.5	RUSH CHASE
(54	6-1-1871				
65	6-1-1877	8-21-1926	.40	20	FRED EGGERS
(3	6-1-1864	9-15-1926	.288	14.4	A. C. BOWERMAN
(54	6-1-1871				
(120	6-1-1891				
65	6-1-1877	11-16-1926	.50	25	G. R. MCGUIRE
81	6-1-1882	12-3-1927	.40	20	CHAS. P. MACE
65	6-1-1877	7-2-1928	.25	12.5	O. E. ALLISON
106	8-20-1888	7-6-1929	8.90	445	W. H. TULLER
1	6-1-1864	5-27-1932	1.00	50	W. SCOTT ANDERSON
1	6-1-1864	5-27-1932	.50	25	FARMERS UNION DITCH
1	6-1-1864	5-15-1934	.30	15	A. B. WHITNEY
1	6-1-1864	9-9-1938	.20)	10)	BOISE TRUST CO.
			.20)	10)	
88	6-1-1883	4-29-1940	1.00	50	W. F. TRACY
88	6-1-1883	12-9-1942	.70	35	S. E. SMITH
30	5-1-1866	10-18-1943	2.00	100	W. W. HOWELL
88	6-1-1883	4-11-1944	.60	30	D. W. BALDWIN
30	5-1-1866	4-29-1946	.68	34	W. W. HOWELL
30	5-1-1866	12-20-1946	2.00	100	W. W. HOWELL
30	5-1-1866	12-20-1946	.60	30	W. W. HOWELL
30	5-1-1866	6-14-1947	.90	45	W. W. HOWELL
30	5-1-1866	6-14-1947	.54	27	W. W. HOWELL
9	6-1-1865	11-25-1947	.64	32	R. M. TUCKER
30	5-1-1866	5-4-1948	1.34	67	W. W. HOWELL

QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED	REMARKS
12.10	605	WM. M. MESSLER	
2.24	112	BARBER LUMBER CO.	
.50	25	H. E. MEEK	
1.20)	60)	H. L. RANDALL ET AL	
20.34)	1017)		
20.00	1000	BOISE FRUIT TRACT CO.	
8.64	432	PIONEER IRRIGATION DISTRICT	LICENSED RIGHT INDIAN CREEK
.35	17.5	EMMA M. FOWLER	
1.54	77	JOHN F. GROOME	
.14	7	C. E. WHITE	
.14	7	FRANK WEASEL	
.14	7	CARL A. GISH	
.20	10	NELLIE B. WHITAKER	
1.125	56.2	HENRY W. BARTLETT	
.375	18.7	L. A. RICE	
.40	20	H. D. PARKS	
.20	10	A. G. WING	
.40	20	MARY F. LEACH	
.266	13.3	H. E. MCCONNELL	
.40	20	H. W. BARTLETT	
.40	20	E. E. SMITH	
.15	7.5	RUSH CHASE	
.40	20	FRED EGGERS	
.288	14.4	A. C. BOWERMAN	
.50	25	G. R. MCGUIRE	
.40	20	CHAS. P. MACE	
.25	12.5	O. E. ALLISON	
8.90	445	W. H. TULLER	FORMERLY MIDDLETON WATER
1.00	50	W. SCOTT ANDERSON	
.50	25	FARMERS UNION DITCH	
.30	15	A. B. WHITNEY	
.20)	10)	BOISE TRUST CO.	
.20)	10)		SOMERMEIR
1.00	50	W. F. TRACY	FALK
.70	35	S. E. SMITH	
2.00	100	W. W. HOWELL	LARSON-HAMMING-BUDGE TRACTS
.60	30	D. W. BALDWIN	
.68	34	W. W. HOWELL	
2.00	100	W. W. HOWELL	EARL-FEWKES-STARK-KYLE
.60	30	W. W. HOWELL	REX JENSEN (BOISE-KUNA IRRIG.)
.90	45	W. W. HOWELL	MRS. EDITH CURTIS
.54	27	W. W. HOWELL	SIMPSON-DEMOND-SIMPSON
.64	32	R. M. TUCKER	J. S. BEEBE
1.34	67	W. W. HOWELL	DOTY-ERQUIAGA-ODERMOTT- CALDWELL-STEELE-ROYLANC

QUANTITY
IN CFSQUANTITY
IN INCHESBY WHOM
TRANSFERRED

REMARKS

12.10
2.24
.50
1.20)
20.34)

605
112
25
60)
1017)

WM. M. MESSLER
BARBER LUMBER CO.
H. E. MEEK
H. L. RANDALL ET AL

20.00
8.64
.35

1000
432
17.5

BOISE FRUIT TRACT CO.
PIONEER IRRIGATION DISTRICT
EMMA M. FOWLER

LICENSED RIGHT INDIAN CREEK

1.54

77

JOHN F. GROOME

.14
.14
.14
.20
1.125
.375
.40
.20
.40
.266
.40
.40
.15

7
7
7
10
56.2
18.7
20
10
20
13.3
20
20
7.5

C. E. WHITE
FRANK WEASEL
CARL A. GISH
NELLIE B. WHITAKER
HENRY W. BARTLETT
L. A. RICE
H. D. PARKS
A. G. WING
MARY F. LEACH
H. E. MCCONNELL
H. W. BARTLETT
E. E. SMITH
RUSH CHASE

.40
.288

20
14.4

FRED EGGERS
A. C. BOWERMAN

.50
.40
.25
8.90
1.00
.50
.30
.20)
.20)

25
20
12.5
44.5
50
25
15
10)
10)

G. R. MCGUIRE
CHAS. P. MACE
O. E. ALLISON
W. H. TULLER
W. SCOTT ANDERSON
FARMERS UNION DITCH
A. B. WHITNEY
BOISE TRUST CO.

FORMERLY MIDDLETON WATER

1.00
.70
2.00
.60
.68
2.00
.60
.90
.54
.64
1.34

50
35
100
30
34
100
30
45
27
32
67

W. F. TRACY
S. E. SMITH
W. W. HOWELL
D. W. BALDWIN
W. W. HOWELL
W. W. HOWELL
W. W. HOWELL
W. W. HOWELL
R. M. TUCKER
W. W. HOWELL

SOMERMEIR
FALK

LARSON-HAMMING-BUDGE TRACTS

EARL-FEWKES-STARK-KYLE
REX JENSEN (BOISE-KUNA IRRIG.)
MRS. EDITH CURTIS
SIMPSON-DEMOND-SIMPSON
J. S. BEEBE

DOTY-ERQUIAGA-ODERMOTT-
CALDWELL-STEELE-ROYLANCE

TRANSFERS OF DECREEED RIGHTS ON

NO. OF TRANSFER	POINT OF DIVERSION		DEPT. OF WATER ADMINISTRATION	PRIORITY		DATE OF TRANSFER
	FROM	TO		NO.	DATE	
736	THURMAN MILL	SETTLERS	63-0170	37	6-1-1868	3-9-194
737	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	3-9-194
739	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-2-1949
753	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-14-1950
754	CONSUMERS	MIDDLETON MILL	63-0161	30	5-1-1866	4-14-1950
790	HILLCREST	NEW YORK	63-0136	(8	9-1-1864	3-28-1952
			(63-0137	(45	6-1-1869	
			(63-0233	(96	10-1-1887	
823	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	7-13-1954
829	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	9-3-1954
871	THURMAN MILL	SETTLERS	63-0169	36	6-1-1868	10-2-1956
872	THURMAN MILL	SETTLERS	63-0169	36	6-1-1868	10-2-1956
873	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	10-2-1956
890	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-11-1957
906	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	4-3-1958
917	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	12-15-1958
918	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	12-15-1958
940	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	2-15-1960
976	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	1-17-1962
977	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	1-17-1962
979	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-23-1962
980	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	2-23-1962
989	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	5-29-1962
990	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-5-1962
991	CONSUMERS	SETTLERS	63-0161	30	5-1-1866	7-5-1962
1007	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	4-17-1963
1009	NEW DRY CREEK	DRAIN DITCH	63-0288	73-A	4-1-1880	5-16-1963
1010	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	6-24-1963
1011	CONSUMERS	RIVER	63-0161	30	5-1-1866	6-3-1963
1017	CONSUMERS	NEW YORK	63-0161	30	5-1-1866	9-28-1963
1035	CONSUMERS	MORES CREEK	63-0161	30	5-1-1866	9-4-1964
1038	CONSUMERS	PHYLLIS	63-0161	30	5-1-1866	10-28-1964
1048	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	5-18-1965
1059	BOISE CITY	FARMERS UNION	63-0165	33	6-1-1866	10-28-1965
1074	MORES CREEK	NEW YORK	63-0161	30	5-1-1866	10-13-1966

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

TER LON	PRIORITY NO.	DATE	DATE OF TRANSFER	QUANTITY IN CFS	QUANTITY IN INCHES	BY WHOM TRANSFERRED	
	37	6-1-1868	3-9-1949			AIRCRAFT SERVICE CO.	
	30	5-1-1866	3-9-1949	1.00	50	W. W. HOWELL	
	30	5-1-1866	4-2-1949	1.10	55	W. W. HOWELL	
	30	5-1-1866	4-14-1950	.15	7.5	J. R. FIELD	8"
	30	5-1-1866	4-14-1950	.46	23	J. R. FIELD	BRI
(8	9-1-1864	3-28-1952		.40	20	FOREST SOWER	
(45	6-1-1869			21.54	1077		
(96	10-1-1887						
	30	5-1-1866	7-13-1954	6.00	300	G. S. TAYLOR	BOIS
	30	5-1-1866	9-3-1954	.48	24	G. S. TAYLOR	10"-
	36	6-1-1868	10-2-1956	.288	14.4	J. FRANK BRYCE	
	36	6-1-1868	10-2-1956	.22	11	GEORGE D. KEYSER, JR.	
	30	5-1-1866	10-2-1956	.20	10	G. S. TAYLOR	THEOD
	30	5-1-1866	7-11-1957	.10	5	FRANCIS H. NEITZEL	R. S.
	30	5-1-1866	4-3-1958	.10	5	FRANK NEITZEL	R. W.
	30	5-1-1866	12-15-1958	.20	10	FRANCIS H. NEITZEL	MAW-S
	30	5-1-1866	12-15-1958	.025	1.25	FRANCIS H. NEITZEL	H. P.
	30	5-1-1866	2-15-1960	.05	2.5	FRANK NEITZEL	EARL M
	30	5-1-1866	1-17-1962	1.50	75	G. S. TAYLOR	SYMMS
	30	5-1-1866	1-17-1962	.20	10	G. S. TAYLOR	EVERET
	30	5-1-1866	2-23-1962	.10	5	G. S. TAYLOR	R. E. J
	30	5-1-1866	2-23-1962	.12	6	G. S. TAYLOR	CHESNEY
	30	5-1-1866	5-29-1962	.20	10	G. S. TAYLOR	THERION
	30	5-1-1866	7-5-1962	.08	4	G. S. TAYLOR	LYLE F.
	30	5-1-1866	7-5-1962	.16	8	G. S. TAYLOR	CHARLES
	30	5-1-1866	4-17-1963	1.00	50	G. S. TAYLOR	GLENN DI
73-A	4-1-1880	5-16-1963		.10	5	NEW DRY CREEK	R. B. BE
	30	5-1-1866	6-24-1963	2.00	100	G. S. TAYLOR	JOHN DOB
	30	5-1-1866	6-3-1963	3.00	150	G. S. TAYLOR	SURPRISE
	30	5-1-1866	9-28-1963	.60	30	G. S. TAYLOR	FRANCIS I
	30	5-1-1866	9-4-1964	2.00	100	G. S. TAYLOR	CARL NICH
	30	5-1-1866	10-28-1964	21.715	1085.75	G. S. TAYLOR	PIONEER I
	33	6-1-1866	5-18-1965	.0875	4.38	BOISE CITY CANAL	LEATHERMA
	33	6-1-1866	10-28-1965	.10	5	BOISE CITY CANAL	W. T. & H
	30	5-1-1866	10-13-1966	2.00	100	CARL NICHOLSON	AVALON ORC

OF SFER	QUANTITY IN CFS	QUANTITY IN INCHES
1949	1.00	50
1949	1.10	55
1949	1.13	7.5
1950	1.46	23
1950	1.40	20
1952	21.54	1077
1954	6.00	300
1954	1.48	24
1956	1.288	14.4
1956	1.22	11
1956	1.20	10
1957	1.10	5
1958	1.10	5
1958	1.20	10
1958	1.025	1.25
1960	1.03	2.5
7-1962	1.30	75
7-1962	1.20	10
3-1962	1.10	5
3-1962	1.12	6
9-1962	1.20	10
5-1962	1.08	4
5-1962	1.16	8
7-1963	1.00	50
6-1963	1.10	5
4-1963	2.00	100
3-1963	3.00	150
8-1963	1.60	30
4-1964	2.00	100
8-1964	21.715	1085.75
8-1965	1.0875	4.38
10-1965	1.10	5
3-1966	2.00	100

BY WHOM
TRANSFERRED

REMARKS

AIRCRAFT SERVICE CO.
W. W. HOWELL
W. W. HOWELL
J. R. FIELD
J. R. FIELD
FOREST SOWER

8" HAGER TRACT, 15" KIMBLE TRACT
BRINK TRACT

G. S. TAYLOR
G. S. TAYLOR
J. FRANK BRYCE
GEORGE D. KEYSER, JR.
G. S. TAYLOR
FRANCIS H. NEITZEL
FRANK NEITZEL
FRANCIS H. NEITZEL
FRANCIS H. NEITZEL
FRANK NEITZEL
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
NEW DRY CREEK
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
G. S. TAYLOR
BOISE CITY CANAL
BOISE CITY CANAL
CARL NICHOLSON

BOISE-KUNA IRRIGATION DIST.
10"-GOLDEN KENT, 14"-EDMUND BUCKLEY
THEODORE L. JOHNSON TRACT
R. S. POTTER TRACT
R. W. WHITE TRACT
MAW-SPRAGUE TRACT
H. P. IRBY TRACT
EARL M. & DELLA LUKEHART TRACT
SYMMS FRUIT RANCH, INC.
EVERET RAMBO TRACT
R. E. & DAISY M. THOMPSON TRACT
CHESNEY LITTLE TRACT
THERION E. CHRISTENSEN TRACT
LYLE F. TRAPP TRACT
CHARLES G. HYDE TRACT
GLENN DRAPER
R. B. BETTY
JOHN DOBSON
SURPRISE VALLEY FARMS
FRANCIS HERMAN TRACT
CARL NICHOLSON
PIONEER IRRIGATION DIST.
LEATHERMAN & BINGMAN
W. T. & HATTIE M. SPRINGER
AVALON ORCHARD TRACTS

STEWART DECREE

CHART NO. 24

BOISE RIVER

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

STEWART DECREE

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.	37.20	1860	63-0179
47	6-1-1869	T. W. BOONE	3.50	175	63-0180
48	6-1-1870	W. J. HAMMING	2.60	130	63-0182
49	6-1-1870	PIONEER CANAL	25.72	1286	63-0183
50	6-1-1870	BARBER LUMBER CO.	2.24	112	63-0184
51	6-1-1870	THOMAS ANDREWS	1.30	65	63-0129
52	6-1-1871	CATLIN & MACE	7.86	393	63-0133
53	6-1-1871	PETER MEEVES	1.80	90	63-0185
54	6-1-1871	MIDDLETON MILL DITCH CO.	33.70	1685	63-0125
55	6-1-1872	J. F. YARYAN	.70	35	63-0142
56	6-1-1872	J. F. YARYAN	1.40	70	63-0143
57	6-1-1872	MARY C. DAVIS	4.40	220	63-0186
58	6-1-1872	EDWARD N. HART	3.30	165	63-0187
59	6-1-1874	T. W. BOONE	2.20	110	63-0181
60	6-1-1875	FARMERS COOPERATIVE DITCH CO.	10.00	500	63-0188
61	6-1-1876	EDWARD & MARY CLARK	2.30	115	63-0192
62	6-1-1876	JOHN CECIL	.44	22	63-0193
63	6-1-1877	THOMAS AIKENS	5.20	260	63-0194
64	6-1-1877	W. H. CONWAY	.90	45	63-0196
65	6-1-1877	MIDDLETON WATER CO.	114.08	5704	63-0198
66	7-1-1877	PERRAULT & JOHNSON (POWER)	200.00	10000	63-0162
67	5-1-1878	NAMPA MERIDIAN IRRIGATION DISTRICT	170.00	8500	63-0199
68	6-1-1878	JOHN MAMMON	4.20	210	63-0175
69	6-1-1878	JULIA MAMMON	3.36	168	63-0201
70	6-1-1878	CHARLES ALLEN	8.80	440	63-0202
71	6-1-1878	R. H. STOCKTON	4.40	220	63-0203
72	6-1-1879	NEW DRY CREEK DITCH CO.	31.32	1566	63-0205
73	6-1-1879	D. MUMFORD	4.00	200	63-0208
74	6-1-1880	SMITH STOCKTON	1.76	88	63-0209
75	7-1-1880	ISHAM JOPLIN	2.40	120	63-0210
76	10-20-1880	JOSEPH GOBLE	.90	45	63-0211
77	10-29-1880	FRANKLIN DITCH CO.	27.60	1380	63-0167
78	6-1-1882	ALLEN V. WEBSTER	.90	45	63-0140
79	6-1-1882	SUSIE CAMPBELL	.60	30	63-0212
80	6-1-1882	J. T. BARBER	1.60	80	63-0213
81	6-1-1882	SONORA JOPLIN	3.40	170	63-0214
82	6-1-1882	S. W. HUTCHINSON	.44	22	63-0217
83	6-1-1882	JOHNSON	.44	22	63-0218
84	6-1-1882	ANDREW J. JOPLIN	2.86	143	63-0219
85	6-1-1882	JAMES L. GRAHAM	2.00	110	63-0220
86	6-1-1883	FARMERS COOPERATIVE DITCH CO.	20.00	1000	63-0189
87	6-1-1883	FRANCIS M. JOPLIN	.90	45	63-0221
88	6-1-1883	W. A. BLACK	12.00	600	63-0222
89	11-9-1883	EUREKA DITCH CO. NO. 2	21.70	1085	63-0223
90	6-1-1884	PIONEER IRRIGATION DISTRICT	53.10	2655	63-0371

STEWART DECREE

CHART NO. 24

BOISE RIVER

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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	AMOUNT DECREED			
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	TOTAL INCHES SEC. FT.
AIKEN	1		63	6-1-1877	5.20			260 5.20
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	3		98	6-1-1888	4.00			200
			99	6-1-1888	1.30			65
			100	6-1-1888	1.40			70
			101	6-1-1888	1.46			73
			102	6-1-1888	1.20			60
			103	6-1-1888	1.40			70
			123	6-1-1891	.80			40
			66-A	4-1-1878		.80		40
			66-C	4-1-1878		1.40		70
			66-D	4-1-1878		.80		40
			85-D	5-1-1883		.8256		41.28
			136	5-1-1906		.392		19.6
	57		65	6-1-1877	.60			30
	64*		102	6-1-1888	.20*			10*
	140*		85-D	5-1-1883		.07*		3.5*
	151		124-A	5-1-1893		.135		6.75
	161*		103	6-1-1888	.65*			32.5*
	174*		103	6-1-1888	.24*			12* 15.3526
BAXTER DITCH	4		73-8	1880		3.20		150
	127		20	6-1-1865	.80			40 4.00
BOISE CITY	5		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	AMOUNT DECREED			TOTAL SEC. FT.
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES
BOISE VALLEY	6							
LICENSED RIGHT #15242		243	15	6-1-1865 7-19-1921	54.58		(1.20)	2729 60
								55.78
BOONE DITCH	7							
			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	8							
	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)	9							
			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 NO.	PRIORITY DATE	AMOUNT DECREED				TOTAL SEC. FT.
				STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
CALDWELL HIGH LINE 10		34	6-1-1866	15.40			770	
		46	6-1-1869	37.20			1860	
		77	10-29-1880	27.60			1980	
	29*	46	6-1-1869	1.00*			50*	79.20
CAMPBELL (CANYON DITCH CO.) 11		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 12		35	6-1-1867	75.80			3790	
		35-A	6-1-1867		1.76		88	
	29	46	6-1-1869	1.00			50	
	36*	35	6-1-1867	.38*			19*	
	54*	35	6-1-1867	1.11*			55.5*	
	59	31	6-1-1866	2.60			130	
	75	35	6-1-1867	.50			25	
	147	35	6-1-1867	.20			10	80.37
CONWAY & HAMMING 13		48	6-1-1870	2.60			130	
		64	6-1-1877	.90			45	
		118	6-1-1891	2.20			110	5.70
DAVIS (LITTLE DAVIS) 14		94	6-1-1886	13.40			670	
		119	6-1-1891	.54			27	13.94
EUREKA NO. 1 15								
		13	6-1-1865	33.32			1666	33.32

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER NO.	PRIORITY DATE	AMOUNT DECREED			
				STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	TOTAL INCHES SEC. FT.
EUREKA No. 2	47	89	11-9-1883	21.70			1085
	62	96	10-1-1887	29.50			1475
	71	96	10-1-1887	1.00			50
	85	24	6-1-1865	.80			40
		24	6-1-1865	.50			25
	131*	96	10-1-1887	1.20*			60*
	159	89	11-9-1883	.70*			35*
	175	24	6-1-1865	.10			5
	224*	88	6-1-1883	1.70			85
		89	11-9-1883	.20*			10*
	225*	96	10-1-1887	.70*			35*
	287*	89	11-9-1883	.60*			30*
	289*	89	11-9-1883	1.40*			70*
		89	11-9-1883	.50*			25*
							50.00
FARMERS UNION		126	7-2-1894	110.00			5500
	136	2	6-1-1864	20.00			1000
	370	33	6-1-1866	1.124			56.2
	373	33	6-1-1866	.374			18.7
	374	65	6-1-1877	.40			20
	375	65	6-1-1877	.20			10
	384	65	6-1-1877	.40			20
	385	65	6-1-1877	.266			13.3
	386	65	6-1-1877	.40			20
	387	65	6-1-1877	.40			20
	391	3)	6-1-1864				
		54)	6-1-1871	.15			7.5
	393	3)	6-1-1864				
		54)	6-1-1871	.288			14.4
		120)	6-1-1891				
	395	65	6-1-1877	.50			25
	430*	65	6-1-1877	.25*			12.5*
		65	6-1-1877	.80			40
	84	1	6-1-1864	1.00			50
	513	1	6-1-1864	.50			25
	530	1	6-1-1864	.30			15
			7-2-1894			54.46	2723
	1048	33	6-1-1866	.0875			4.375
	1059	33	6-1-1866	.10			5
							191.4995
GRAHAM & GILBERT		12	6-1-1865	4.40			220
							4.40

*SUB TRAC T

STEWART AND BRYAN DECREE 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		INCHES	
						STEWART DECREE	BRYAN DECREE		
HAAS DITCH	176		39	6-1-1868	8.54				
			70	6-1-1878	8.80			427	
								440	17.34
HART & DAVIS	38*) 39*)		6	6-1-1864	3.30			165	
			57	6-1-1872	4.40			220	
			58	6-1-1872	3.30			165	
			57	6-1-1872	1.04*			52*	
									9.96
ISLAND HIGH LINE			71-A	4-1-1879		3.00		150	
			137-A	4-1-1910		7.00		350	
			139	4-1-1915		10.00		500	20.00
LEMP DITCH			B-C	1865		6.00		300	6.00
LITTLE PIONEER	1575		49	6-1-1870	25.72			1286	
			31-C	6-1-1866		1.10		55	26.82
LOWER CENTER POINT	50* 51* 131 245 287		19	6-1-1865	2.88			144	
			20	6-1-1865	6.40			320	
			21	6-1-1865	2.90			145	
			22	6-1-1865	3.20			160	
			38	6-1-1868	3.20			160	
			43	6-1-1869	3.60			180	
			73	6-1-1879	4.00			200	
			19	6-1-1865	2.88*			144*	
			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	19.60

*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.
MACE & CATLIN	179*		5	6-1-1864	2.86			
			52	6-1-1871	7.86			143
			51	6-1-1864				393
			52)	6-1-1871	.24*			12*
			138	6-14-1912		.44		22
								10.92
MACE & MACE			137	5-1-1909		1.76		88
								1.76
MAMMON	176*		41	6-1-1869	1.80			90
			68	6-1-1878	4.20			210
			69	6-1-1878	3.36			168
			70	6-1-1878	8.80			440
			70	6-1-1878	8.80*			440*
								9.36
MEEVES			53	6-1-1871	1.80			90
								1.80
MIDDLETON MILL	54 75* 147*		3	6-1-1864	12.80			640
			40	6-1-1868	1.40			70
			54	6-1-1871	33.70			1685
			120	6-1-1891	17.00			850
			35	6-1-1867	1.11			55.5
			35	6-1-1867	.50*			25*
			35	6-1-1867	.20*			10*
		300*	3)	6-1-1864				
			54)	6-1-1871	.35*			17.5*
			120)	6-1-1891				
		301*	3)	6-1-1864				
			54)	6-1-1871	1.54*			77*
			120)	6-1-1891				
		347*	3	6-1-1864	.14*			7*
		349*	3	6-1-1864	.14*			7*
		350*	3	6-1-1864	.14*			7*
		391*	3)	6-1-1864				
			54)	6-1-1871	.15*			7.5*
		393*	3)	6-1-1864				
			54)	6-1-1871	.288*			14.4*
			120)	6-1-1891				
		754	30	5-1-1866	.40			20
			123-A	5-15-1893		1.60		80
								64.562

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	AMOUNT DECREED			
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	TOTAL INCHES SEC. FT.
MIDDLETON IRRIGATION			65	6-1-1877	114.08			5704
	36		35	6-1-1867	.38			19
	57*		65	6-1-1877	.60*			30*
	61		31-B	6-1-1866		.60		30
	84*		65	6-1-1877	.80*			40*
	126		31-A	6-1-1866		2.30		115
		357*	65	6-1-1877	.20*			10*
		374*	65	6-1-1877	.40*			20*
		375*	65	6-1-1877	.20*			10*
		384*	65	6-1-1877	.40*			20*
		385*	65	6-1-1877	.266*			13.3*
		386*	65	6-1-1877	.40*			20*
		387*	65	6-1-1877	.40*			20*
		392*	65	6-1-1877	.40*			20*
		395*	65	6-1-1877	.50*			25*
								112.794

MISCELLANEOUS

R. B. BETTY	1009	73-A	5-1-1866		.10		5	.10
CRAWFORTH PUMP	227	114-A	5-1-1889		1.60		80	1.60
BOISE RIVER drainage dist. #4		80	6-1-1882		1.60		80	1.60
DRAINAGE DIST. #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	3.50
MCCURRY PUMP (LICENSED RIGHT #33487)			2-22-1967		(.56)		28	.56
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		AMOUNT DECREED				TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS		INCHES	
						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

*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	
NEW YORK			131	3-23-1900	219.10			10955	
				3-23-1900				2943	
				12-14-1903			58.86	67729	
				6-16-1909			1354.58	46325	
		(790-111)	8	9-1-1864	20.34		926.50	1017	
			45	6-1-1869					
		(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
PHYLLIS			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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		AMOUNT DECREEED				TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
PIONEER DIXIE			8	9-1-1864	20.00				
	36-A		45	6-1-1869	35.44			1000	
	48		96	10-1-1887	2.00			1772	
	62*		96	10-1-1887	4.20			100	
			96	10-1-1887	1.00*			210	
		111*	8)	6-1-1864				50*	
			45)	6-1-1869	20.34*				
		608	88	6-1-1883	1.00			1017*	
		644	88	6-1-1883	.70			50	
		660	88	6-1-1883	.60			35	
	35*		8)	6-1-1864				30	
			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	535.14
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*	
			8)	9-1-1864					
	35		45)	6-1-1869	2.00			100	
	175*		88	6-1-1883	1.70*			85*	290.374
ROEDEL DITCH			59-A	5-1-1875		3.20		160	3.20

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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	INTERVENORS STEWART DECREE	BRYAN DECREE	
ROSSI MILL		16	6-1-1865	9.20			
		18	6-1-1865	.80			460
							40 10.00
SEBREE (FARMERS CO-OP)		60	6-1-1875	10.00			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				7722
		717	9 6-1-1865	.64		154.45	32
							318.59

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	AMOUNT DECREED				TOTAL SEC. FT.
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
SETTLERS	76 83		92	10-17-1884	99.06				
			122	6-1-1891	73.44			4953	
		347	3	6-1-1864	.14			3672	
		349	3	6-1-1864	.14			7	
		350	3	6-1-1864	.14			7	
		357	65	6-1-1877	.20			7	
		412	81	6-1-1882	.40			10	
			85-B	4-1-1883				20	
			85-A	6-1-1882		1.00		50	
		430	65	6-1-1877	.25	.72		36	
		595	1	6-1-1864	.20			12.5	
		654	30	5-1-1866	.50			10	
					1.00			25	
					.50			50	
		694	30	5-1-1866	.16			25	
					.12			8	
					.14			6	
					.26			7	
		702	30	5-1-1866	.60			13	
		712	30	5-1-1866	.20			30	
					.20			10	
					.50			10	
		720	30	5-1-1866	1.34			25	
		736	37	6-1-1868	1.00			67	
		737	30	5-1-1866	1.10			50	
		739	30	5-1-1866	.15			55	
		753	30	5-1-1866	.46			7.5	
		829	30	5-1-1866	.48			23	
		871	36	6-1-1868	.288			24	
		872	36	6-1-1868	.22			14.4	
		873	30	5-1-1866	.20			11	
		890	30	5-1-1866	.10			10	
		906	30	5-1-1866	.10			5	
		917	30	5-1-1866	.20			5	
		918	30	5-1-1866	.025			10	
		940	30	5-1-1866	.05			1.25	
		977	30	5-1-1866	.20			2.5	
		979	30	5-1-1866	.10			10	
		980	30	5-1-1866	.12			5	
		989	30	5-1-1866	.20			6	
		990	30	5-1-1866	.08			10	
		991	30	5-1-1866	.16			4	
								8	186.443

SEVEN SUCKERS	38)	(58 & 57)	6-1-1872			
	39) /			1.04		52
	179	5)	6-1-1864	.24		12
		52)	6-1-1871			1.28

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	AMOUNT DECREED			TOTAL SEC. FT.
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES
SIEBENBERG 46			9	6-1-1865	13.42			
		105*	9	6-1-1865	.50*			671
		717*	9	6-1-1865	.64*			25*
								32* 12.28
THURMAN MILL 47			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 48			23	6-1-1865	3.20			160
			24	6-1-1865	2.40			120
			25	6-1-1865	3.94			197
			26	6-1-1865	1.60			80
			27	6-1-1865	1.58			79
		71*	24	6-1-1865	.80*	} 1.4		40*
		85*	24	6-1-1865	.50*			25*
		148	96	10-1-1887	3.00			150
		159*	24	6-1-1865	.10*			5*
		289	89	11-9-1883	.50			25 14.82

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	AMOUNT DECREED				TOTAL SEC. FT.
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
SIEBENBERG 46			9	6-1-1865	13.42				
		105*	9	6-1-1865	.50*			671	
		717*	9	6-1-1865	.64*			25*	
								32*	12.28
THURMAN MILL 47			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 48			23	6-1-1865	3.20			160	
			24	6-1-1865	2.40			120	
			25	6-1-1865	3.94			197	
			26	6-1-1865	1.60			80	
			27	6-1-1865	1.58			79	
		71*	24	6-1-1865	.80*	1.4		40*	
		85*	24	6-1-1865	.50*			25*	
		148	96	10-1-1887	3.00			150	
		159*	24	6-1-1865	.10*			5*	
		289	89	11-9-1883	.50			25	14.82

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

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

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

CHART NO. 26

NO.	NAME	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
1	THOMAS DAVIS	1	2.20	1.65	1.32	1	1323	1632
*2	JACOBS CANAL CO.	1	20.00	20.00	20.00	21		
3	MIDDLETON MILL DITCH CO.	1	12.80	9.60	7.68	29	1325	1635
4	THOMAS ANDREWS	3	3.30	2.48	1.98	31		
5	CATLIN & MACE	1	2.86	2.15	1.72	33	1325	1636
6	T. C. CATLIN	1	3.30	2.48	1.98	35	1326	1637
7	C. C. HAVIRD	1	3.30	2.48	1.98	37	1326	1638
8	PIONEER DIXIE DITCH CO.	2	20.00	15.00	12.00			
8A	ADOLPH BAHLER	1	.80	.60	.48		1327	
8B	FIRST NAT'L BANK OF PUEBLO	1	1.80	1.35	1.08	38	1327	
8C	LOUISE SIMONSON	1	6.00	4.50	3.60	42		
8D	S.G. HARDIES & AMELIA EISLEY	1	.50	.38	.30			
9	SIEBENBERG	2	13.42	10.07	8.05			
10	ALLEN V. WEBSTER	1	1.20	.90	.72	43	1327	1639
11	J. F. YARYAN	1	.66	.50	.40		1327	
12	GRAHAM & GILBERT	1	4.40	3.30	2.64	46	1328	1640
13	EUREKA WATER CO.	1	33.32	24.99	19.99	66	1333	1648
14	NEW UNION DITCH CO.	1	13.76	10.32	8.26	74	1335	1652
15	BOISE VALLEY IRRIG. CO.	1	54.58	40.94	32.75	107	1343	1665
16	RIDENBAUGH & ROSSI	1	9.20	6.90	5.52	112	1345	1667
17	RIDENBAUGH & ROSSI (POWER)	1				113		1668
18	DENVER & IDAHO LAND CO.	1	.80	.60	.48			
19	MARTHA BOWMAN	2	2.88	2.16	1.73			
20	BIRD BOWMAN	2	6.40	4.80	3.84			
21	G. W. GESS	2	2.90	2.18	1.74			
22	ROBERT MCGUIRE	2	3.20	2.40	1.92			
23	C. W. COOPER	2	3.20	2.40	1.92			
24	J. W. ROWLAND	2	2.40	1.80	1.44			
25	DRAPER & WELLS	2	3.94	2.96	2.36			
26	THOMAS J. PALMER	2	1.60	1.20	.96			
27	NOAH W. PALMER	2	1.58	1.19	.95			
28	NOAH W. PALMER	3	7.00	5.25	4.20			
29	J. N. TUCKER	3	6.00	4.50	3.60			
29	THOMAS ANDREWS	1	50.00	50.00	50.00	163		
*30	J. PERRAULT & R. JOHNSON	1	2.60	1.95	1.56	164		
31	WILLIAM P. KENNEDY	1	2.30	1.73	1.38	166	1345	1669
31A	WM. MUSSEY	1	.60	.45	.36			
31B	MINNIE & JERRY COUZENS	1	1.10	.83	.66			
31C	ALBERT C. BOWERMAN	1	3.50	2.63	2.10	168	1346	1670
32	MANVILLE & LEONARD	1	38.06	28.55	22.83	191	1352	1679
33	BOISE CITY CANAL CO.	1	15.40	11.55	9.24	200	1354	1683
34	FRANKLIN DITCH CO.	1	75.80	56.85	45.48	246	1365	1702
35	CANYON COUNTY WATER CO.	1	1.75	1.32	1.06	247		1703
35A	RALPH T. KNIGHT	1	14.10	10.58	8.46	255	1368	1706
36	MARTHA E. MCCARTHY	1	3.70	2.78	2.22	257	1368	1707
37	H. D. & DORA GOODMAN	1						

*THESE RIGHTS HAVE BEEN ADJUDICATED BY THE SUPREME COURT AND ARE NOT CUT BELOW 100%

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

CHART NO. 26

NO.	NAME	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
38	T. T. JOHNSON	2	3.20	2.40	1.92			
39	ROSS, ALLEN, DILLEY & ROSS	3	8.54	6.41	5.12			
40	S. S. GRAY	1	1.40	1.05	.84	258		
41	JOHN MANNON	3	1.80	1.35	1.08			
42	ISSAC BEDAL	1	1.60	1.20	.96	259	1369	1700
43	FREDERICH ODE	2	3.60	2.70	2.16			
44	PRIOR BURNETT	3	8.50	6.38	5.10			
45	PIONEER DIXIE DITCH CO.	2	35.44	26.58	21.26			
46	MASON CREEK DITCH CO.	1	37.20	27.90	22.32	282	1374	1717
47	T. W. BOONE	3	3.50	2.63	2.10			
47A	ADDLIN BAHLER	1	.90	.60	.48	284	1374	1718
48	W. J. HAMMING	1	2.60	1.95	1.56	299	1375	1724
49	PIONEER CANAL	1	25.72	19.29	15.43	301	1379	1725
50	BARRIER LUMBER CO.	1	2.24	1.68	1.34	301	1379	1725
50A	S. G. HARDIES & AMELIA EISLEY	1	1.00	.75	.60			
51	THOMAS ANDREWS	3	1.30	.98	.78	302		
52	CATLIN & MACE	1	7.86	5.90	4.72	306	1380	1727
53	PETER NEEVES	1	1.80	1.35	1.08	307		
54	MIDDLETON HILL DITCH CO.	1	33.70	25.28	20.22	327	1385	1736
55	J. F. YARYAN	1	.70	.53	.42	328		
56	J. F. YARYAN	1	1.40	1.05	.84	329	1386	1737
57	MARY C. DAVIS	1	4.40	3.30	2.64	331		
58	EDWARD H. HART	1	3.30	2.48	1.98	333	1387	1739
59	T. W. BOONE	3	2.20	1.65	1.32			
59A	KARL F. & OTTO W. RODEL	2	3.20	2.40	1.92			1742
60	FARMER'S CO-OP. DITCH CO.	2	10.00	7.50	6.00			1743
61	EDWARD & MARY CLARK	1	2.30	1.73	1.38	335		
62	JOHN CECIL	1	.44	.33	.26			
63	THOMAS AIKEN	1	5.20	3.90	3.12	338	1388	1744
64	W. H. CONWAY	1	.96	.68	.54	339		
65	MIDDLETON WATER CO.	1	114.08	85.56	68.45	407	1405	1773
66	PERRAULT & JOHNSON (POWER)	1						
66A	J. S. KRAUS	1	.80	.60	.48	408		
66C	J. W. KOLANDER	1	1.40	1.05	.84	409		
66D	M. T. GRIFFITH	1	.80	.60	.48		1406	
67	NANPA, MERIDIAN IRRIG. DIST.	1	170.00	127.50	102.00	511	1431	1816
68	JOHN MANNON	3	4.20	3.15	2.52			
69	JULIA MANNON	3	3.36	2.52	2.02			
70	CHARLES ALLEN	3	8.80	6.60	5.28			
71	R. H. STOCKTON	3	4.40	3.30	2.64			
71A	ISLAND HIGHLINE DITCH CO.	3	3.00	2.25	1.80			
72	NEW DRY CREEK DITCH CO.	1	31.32	23.49	18.79	530	1436	1824
73	D. MUMFORD	2	4.00	3.00	2.40			
73A	GOBLE & SOMMER	1	.54	.41	.32			
73B	ALBERT LENE ET AL	3	3.20	2.40	1.92			
74	SMITH STOCKTON	3	1.76	1.32	1.06			
74A	C. R. FRANK	1	1.816	1.36	1.09	530	1437	1825
75	THOMAS JOPLIN	1	2.40	1.80	1.44	533	1437	1825
76	JOSEPH GOBLE	1	.90	.68	.54			

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

CHART NO. 26

NO.	NAME	RIVER SECTION	100% OF DEGREE	75% OF DEGREE	60% OF DEGREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
77	FRANKLIN DITCH CO.	1	27.60	20.70	16.56	550	1441	1832
77A	GUS A. BARTH	3	1.60	1.20	.96			
77B	CHARLES JURRIES	3	.34	.26	.20			
77C	JAMES FINLAY	3	.80	.60	.48			
77D	LESTER J. SHIPPY	3	1.30	.98	.78			
77E	ROC HELMS	2	3.674	2.76	2.20			
78	ALLEN V. WEBSTER	1	.90	.68	.54			
79	SUSIE CAMPBELL	1	.60	.45	.36	551		
80	J. T. BARBER	1	1.60	1.20	.96	552		1833
81	SONORA JOPLIN	1	3.40	2.55	2.04	554	1442	1834
82	S. W. HUTCHINSON	1	.44	.33	.26	554		
83	JOHNSON	1	.44	.33	.26	554		
84	ANDREW J. JOPLIN	1	2.86	2.15	1.72	556	1443	1835
85	JAMES L. GRAHAM	1	2.20	1.65	1.32	557		
85A	LEO MARSTERS	1	1.76	1.32	1.06	558		1836
85B	JACOB BINGHAM	1	1.00	.75	.60	558		
85C	WM. HUCKBA	1	.2232	.17	.13	558		
85D	C. H. SCHMELZER	1	.8256	.62	.50	559		
85E	C. W. MCCLURG	1	.385	.29	.23	559		
86	FARMERS CO-OP. DITCH	2	20.00	15.00	12.00			1841
87	FRANCIS M. JOPLIN	1	.90	.68	.54	560	1444	
88	W. A. BLACK	2	12.00	9.00	7.20			1844
89	EUREKA DITCH CO. NO. 2	2	21.70	16.28	13.02			1849
90	PIONEER IRRIG. DIST.	1	53.10	39.83	31.86	592	1452	1863
91	RIVERSIDE IRRIG. DIST.	2	20.00	15.00	12.00			1868
92	SETTLERS CANAL CO.	1	99.06	74.30	59.44	652	1466	1893
93	NEW DRY CREEK	1	15.22	11.42	9.13	661	1469	1897
94	THOMAS DAVIS	1	13.40	10.05	8.04	669	1471	1900
95	WM. E., L. & E. YOUNG	2	4.00	3.00	2.40			1901
96	AMERICAN DITCH ASSOC.	2	47.80	35.85	28.68			1913
97	NEW DRY CREEK DITCH	1	7.86	5.90	4.72	674	1472	1915
98	A. V. LINDER	1	4.00	3.00	2.40	677	1473	1916
99	LEVI SMITH	1	1.30	.98	.78	677		
100	CHARLOTTE CALHOUN	1	1.40	1.05	.84	678		1917
101	ED J. LINDER	1	1.46	1.10	.88	679		
102	LIZZIE EVERETT	1	1.20	.90	.72	680	1474	
103	JESSIE WILSON	1	1.40	1.05	.84	681		1918
104	THOMAS ANDREWS	3	.90	.68	.54			
105	FARMERS CO-OP. DITCH	2	50.00	37.50	30.00			1931
106	NAMPA MERIDIAN IRRIG. DIST.	1	361.94	271.46	217.16	898	1528	2021
106	BOARD OF CONTROL	1	8.90	6.67	5.34	903	1529	2023
106A	S.G. HARDIES & AMELIA EISLEY	1	.84	.63	.50	904		
107	CHARLES S. MILLER	1	.06	.05	.04	904		
107	CHARLES S. MILLER	1	.02	.015	.01	904		
108	LAMMIS L. HOSLEY	1	.02	.015	.01	905		2024
109	S. J. UTTER & C. B. TAYLOR	1	2.40	1.80	1.44	909	1531	2026
110	SOUTH BOISE MUTUAL IRRIG. CO.	1	6.00	4.50	3.60	910		
111	ESTATE OF J. H. GALLAGHER	1	2.94	2.21	1.76	910		
112	ANNA H. FOWARTY	1	.05	.04	.03	910		
113	GRACE CALL	1	.10	.08	.06	910		

TABLE SHOWING DITCHED RIGHTS ESTIMATED INFEED & FLOW IN SECOND FEET
ON APPROXIMATE ACREAGE
WEIGHING AT DRAINAGE CAN TO FULL GROW

CHART NO. 25

No.	Name	Feet	Inch	Inch	Inch	Flow Weighing		
						to Full to Aug	to Full to Nov	to Full to Dec
114	LOWELL H. CAMPBELL	1	.85	.85	.85	800		
1145	WILL & FREDERICK O'DONNELL	2	1.50	1.50	.35			8000
1146	WILL & FREDERICK O'DONNELL	2	.80	.80	.45			
115	THOMAS JUPIN	1	.80	.85	.34	800		
116	THOMAS JUPIN	1	1.00	.90	.38	811		
116A	WILL SPENCER	2	.75	.34	.43			
116B	WILL SPENCER	2	.35	.35	.25			
116C	BERNICE HILL	2	.40	.50	.24			
117	FARMER DITCH, DIST.	1	200.00	150.00	100.00	1000	1000	8000
118	H. H. CONANT	1	1.20	1.55	1.50	1000		8000
119	THOMAS DAVIS	1	.54	.41	.38	1000		
120	WINDGATE HILL DITCH	1	12.00	12.75	15.00	1042	1000	8000
121	THOMAS DAVIS	2	3.30	2.75	2.10			
122	SETTLERS CANAL CO.	1	75.44	35.00	44.00	1000	1000	8000
123	THOMAS DAVIS	1	.80	.80	.48	1000		8000
123A	OTTO & MARIE MULLER	1	1.50	1.00	.50	1000		8000
124	RIVERVIEW DITCH, DIST.	2	80.00	60.00	40.00			8000
124A	H. H. CHARTERS	1	.80	.60	.50	1000		
125	H. H. STOCKTON	2	1.75	1.50	1.00			
126	FARMERS UNION DITCH	1	100.00	80.00	60.00	1000	1000	8000
127	CHARLES HEN & JAMES HEN	1	1.00	.75	.50	1000		
128	WALTER CASEY	1	.60	.50	.40	1000		
129	FARMERS CO-OP, DITCH	2	85.50	65.50	50.50	1000		8000
129A	H. H. FLANN	1	.54	.41	.30	1000		
130	RIVERVIEW DITCH, DIST.	2	20.00	15.00	10.00			8000
131	NEW YORK CANAL CO.	1	205.00	144.25	131.45	1000	1000	8000
132	CANYON DITCH CO.	2	15.00	1.30	1.00			8000
133	RIVERVIEW DITCH, DIST.	2	30.00	24.50	17.00			8000
134	CANYON DITCH CO.	2	5.34	4.55	3.30			8000
135	FARMER DITCH, DIST.	1	25.34	15.00	15.00	1000	1000	8000
136	H. H. HENRY	1	.80	.80	.74	1000		
137	H. H. HENRY	1	1.75	1.50	1.00	1000	1000	8000
138	ISLAND HIGHLAND DITCH CO.	2	7.00	5.75	4.00			8000
139	WILLIAM A. HENRY	1	.44	.33	.25	1000		8000
140	ISLAND HIGHLAND DITCH CO.	2	10.00	7.50	5.00	1000		

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

CHART NO. 26

NO.	NAME	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
114	SAMUEL H. CANFIELD	1	.03	.02	.02	910		
114A	NEIL & PATRICK O'DONNELL	3	1.60	1.20	.96			2027
114B	GUS A. BARTH	3	.80	.60	.48			
115	SONORA JOPLIN	1	.06	.05	.04	910		
116	SONORA JOPLIN	1	1.20	.90	.72	911		
116A	ANNA SPENCER	2	.72	.54	.43			
116B	WILLIS SPENCER	2	.10	.08	.06			
116C	REBECCA BELL	2	.40	.30	.24			
117	PIONEER IRRIG. DIST.	1	200.00	150.00	120.00	1031	1562	2077
118	W. H. CONWAY	1	2.20	1.65	1.32	1032		2078
119	THOMAS DAVIS	1	.54	.41	.32	1033		
120	MIDDLETON MILL DITCH	1	17.00	12.75	10.20	1043	1565	2082
121	THOMAS ANDREWS	3	3.50	2.63	2.10			
122	SETTLERS CANAL CO.	1	73.44	55.08	44.06	1087	1576	2083
123	THOMAS AIKEN	1	.80	.60	.48	1088		2102
123A	OTTO & MARIE MULLER	1	1.60	1.20	.96	1089		
124	RIVERSIDE IRRIG. DIST.	2	80.00	60.00	48.00			2122
124A	W. D. CHARTERS	1	.825	.62	.50	1089		
125	R. H. STOCKTON	3	1.76	1.32	1.06			
126	FARMERS UNION DITCH	1	110.00	82.50	66.00	1155	1589	2150
127	CHARLES REIN & JAMES KEON	1	1.00	.75	.60	1155		
128	MATHEW CASEY	1	.66	.50	.40	1156		
129	FARMERS CO-OP. DITCH	2	83.50	62.63	50.10	1156		2171
129A	H. E. PLAIN	1	.54	.41	.32	1156		
130	RIVERSIDE IRRIG. DIST.	2	20.00	15.00	12.00			2176
131	NEW YORK CANAL CO.	1	219.00	164.33	131.46	1288	1622	2231
132	CANYON DITCH CO.	2	10.00	7.50	6.00			2234
133	RIVERSIDE IRRIG. DIST.	2	70.00	52.50	42.00			2251
134	CANYON DITCH CO.	2	5.54	4.16	3.32			2253
135	PIONEER IRRIG. DIST.	1	56.34	42.26	33.80	1321	1630	2267
136	H. E. WIMER	1	.392	.29	.24	1321		
137	B. P. WEAVERLING	1	1.76	1.32	1.06	1323	1631	
137A	ISLAND HIGHLINE DITCH CO.	3	7.00	5.25	4.20			2269
138	WESLEY A. MACE	1	.44	.33	.26	1323		2273
139	ISLAND HIGHLINE DITCH CO.	3	10.00	7.50	6.00	1323		

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

CHART NO. 27

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

** DELIVERED FROM RETURN FLOW AFTER JULY 15.

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

