

**WATER DISTRIBUTION OF BOISE RIVER
DISTRICT NO. 12-A
1953**

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1953

(DATA FOR THIS REPORT GATHERED BY THE
WRITER WHILE ACTING IN THE CAPACITY
OF WATERMASTER OF THE BOISE RIVER AND
SPECIAL DEPUTY IN CHARGE OF THE DIS-
TRIBUTION OF STORAGE WATER FROM ARROW-
ROCK AND ANDERSON RANCH RESERVOIRS)

(COOPERATIVE DATA ALSO FURNISHED BY
THE UNITED STATES BUREAU OF RECLAMATION
AND THE UNITED STATES GEOLOGICAL SURVEY)

BY

EDWIN B. KARN

WATERMASTER, BOISE RIVER

C H A R T S

1. Map of Boise River, showing canal diversions.
2. 2-L to 2-Q inclusive show 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 previous reports.
3. Shows mean daily flow of Boise River for a 50 year period.
4. And 4-A show monthly and annual flow of Boise River in acre-feet, for the irrigation years from 1894-95 to date.
5. 5-A, 5-B, 5-C, 5-D and 5-E, daily discharge of all canals (Sections 1 and 2) for 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 1940. The same information beginning 1915 is shown in previous reports.
8. 8-A and 8-B show daily discharge of all principal tributary streams feeding water to Boise River below More's Creek for irrigation season
9. Two charts showing Boise River at Diversion Dam, canal deliveries, tributary gain, seepage gain and net gain, by months in acre-feet, and average daily flow in 24-hour second feet for the irrigation season
10. Two charts for Section 1 of Boise River showing river at Diversion Dam, canal deliveries, tributary gain, seepage gain and net gain between Diversion Dam and Star, by months in acre-feet, and average daily flow in 24-hour second feet, for irrigation season
11. Two charts for Section 2 of Boise River showing river at Star, canal deliveries, tributary gain, seepage gain and net gain between Star and Notus, by months in acre-feet, and average daily flow in 24-hour second feet, for irrigation season
12. Shows acreage under all canals in the Boise Valley.
14. Shows acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1939.

C H A R T S

(Continued)

17. Shows total discharge of drainage canals in Drainage District No. 2 for the irrigation season
18. Two charts showing total discharge of all drainage canals in Drainage Districts Nos. 3 and 4 for the irrigation season
19. Summary chart of return flow to Boise River between the Government Diversion Dam and Notus beginning 1940.
20. Shows distribution of drainage water to various canals
21. Shows Intervenor Decrees on Boise River (Intervenors 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. 23-A, show transfers of decreed rights on Boise River.
24. Condensed chart of Stewart Decree showing dates of priority and amounts decreed.
25. 25-A, 25-B, 25-C, 25-D, 25-E, 25-F, 25-G and 25-H are charts showing the Stewart, Intervenors' and Bryan Decrees grouped under canal headings.
26. 26-A and 26-B are charts in second feet showing decreed rights (Stewart Decree) and natural flow at Diversion Dam necessary to fill same. 26-C is a chart in second feet showing decreed rights (Bryan Decree) and natural flow in second feet necessary at Diversion Dam to fill same.

ORGANIZATION

The Boise River Organization for 1953 was the same that it has been for several years past. It includes a Chairman and Secretary, a Watermaster, one Assistant for a few months during the summer, and a part-time stenographer.

The Advisory Committee, made up of nine members including the Chairman and Secretary of the Waterusers, was again elected at the annual meeting in March. In addition to the annual meeting held in the forenoon preceding the annual meeting of the Waterusers on the first Monday in March, 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 waterusers.

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

T. M. DeCoursey, Chairman
O. L. Greer, Secretary
Ernest Anderson
O. W. Bunton
John Demond
Wm. Wymer
George M. Olsen
Estel Putman
W. W. Rhodenbaugh

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

Cooperative assistance is also rendered by the U. S. Geological Survey in current meter work and compiling records of Boise River at Dowling and Notus, Middle Fork at Twin Springs and More's Creek at Call Bridge.

The splendid assistance and cooperation rendered by the State Reclamation Engineer 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 Ed. 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.

Charts 26, 26-A and 26-B relate to the Stewart Decree and show 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. In computing the amounts necessary to fill the various rights in this table, it is assumed that the return flow will fill the first 35 rights to 60 percent of the amount decreed. It is also 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 26-C shows the decreed rights contained in the Bryan Decree or Flood Water Decree. It shows the date of priority, name of wateruser to whom 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.

BOISE RIVER RUN-OFF AND AVAILABLE WATER SUPPLY

The total annual flow for 1953 was 2,163,372 acre feet. Precipitation was about normal in March and a little below normal in April, and it was normal in May and June. Irrigation started early in April and built up fairly fast until late in May when, due to heavy rain, the demand dropped to practically nothing until the middle of June. The river flow went above

10,000 feet on April 25 for a few days and again on June 12 for 10 days. The highest flow was 14,870 second feet on June 14 and the lowest flow was 604 second feet on September 28. River regulation was begun on July 13 and continued for the balance of the season. The demand for water was very heavy during July and fairly heavy until the first of October.

CANAL REGULATIONS

It was necessary to begin canal regulations July 13.

Charts 5 to 5-E inclusive show the canal diversions for the period from April 1 to September 30.

Chart 6 shows the monthly and total diversions 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 1940 to date. Previous reports show the same information, 1915 to 1939 inclusive.

TRIBUTARY GAIN

Data were gathered and compiled on all principal tributary streams feeding water to Boise River below More's Creek.

Charts 8, 8-A and 8-B show the daily discharge of the tributary streams.

NET GAIN

Chart 9 shows the total flow of the Boise River passing Diversion Dam, canal deliveries, and gain to the river by months in acre-feet, and also average daily flow for each month during the season.

RIVER FLUCTUATION

Fluctuations of river flow were held to a minimum in 1953. These fluctuations are largely beyond the control of the Watermaster and will continue to remain as a menacing problem from that standpoint in connection with irrigation deliveries.

CLASSIFICATION OF RIVER

The Boise River naturally divides itself into three separate and distinct parts. Section I 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 II includes that section which lies between the Caldwell High Line Canal and the Notus Bridge. Section III includes that part of the river between the Notus Bridge and the Snake River.

SECTION I

Chart 10 shows the condition that existed in this section during the period July 1 to September 30 inclusive. The average net gain in this section per day during this period was 361 second feet.

SECTION II

Chart 11 is a table showing the condition that existed in this section during the period July 1 to September 30 inclusive. The average return flow per day during this period to this section was 947 second feet. A considerable amount of water from the Black Canyon project has come into this section of the river since 1950 and the return flow has now become a sufficient quantity so this section requires practically no regulation.

SECTION III

The return flow to Section III was sufficient to take care of all

rights in this section during the entire 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 quotation from "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 had 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 head-gate 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 waterusers 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, said diversions not to exceed 1.10 miner's inches per acre. This, because no matter how much is diverted, all but a very small amount almost immediately returns to the river flow. To do this a system of rotation among themselves should be required.

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 thirty 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 14 is a table showing acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1939. A similar record showing the acre-feet per acre diverted for 18 principal canals in the Boise Valley, beginning 1916, 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 17 shows the total drainage discharge for Drainage District No. 2 for the season 1953 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 18 is a table showing the discharge of all drains in both Drainage Districts Nos. 3 and 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 19 is a table showing the average return flow to the Boise

River for the period beginning 1940.

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 Reclamation Engineer.

TRANSFERS

Charts 23 and 23-A are tables showing the transfer of decreed rights on the Boise River as recorded in the office of the State Reclamation Engineer.

STEWART DECREE

Chart 24 is a condensed table of the Stewart Decree. A small circle at the left of the date of priority shows that the right is supplied by "return flow".

Charts 26, 26-A and 26-B are tables 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 BY CANAL HEADINGS

These tables, Charts 25-A to 25-H inclusive, 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 26-C 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 waterusers of Boise Valley. It is regrettable, however, that 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 and protection of this great natural resource, not only for the benefit of present day waterusers but for generations yet to come, should have the constant attention and consideration of all concerned. It is the opinion of this writer that this resource, which is of such importance to the entire populace of the Boise Valley, should remain under federal control."

STORAGE WATER

As of March 1 there was 232,664 acre feet in Anderson Ranch Reservoir and 257,770 in Arrowrock Reservoir. No water is being released from Anderson Ranch. Arrowrock will be lowered some in anticipation of the runoff which is not expected to be heavy.

FLOOD CONTROL

Lucky Peak Dam construction has been delayed, and it will be October 1954 before any water can be stored, according to present calculations.

The Army Engineers have had no money appropriated for work on Boise River. There are several very bad places along the river and some damage is anticipated.

An agreement has been entered into between the Army Engineers, the Bureau of Reclamation and the waterusers whereby Arrowrock, Anderson and Lucky Peak Reservoirs will be used jointly for both irrigation and flood control. It is anticipated that this arrangement will make control of the river effective to the point where no more than 6500 second feet of water will ever need to pass Diversion Dam.

COST REPORT - 1953

Watermaster Salary	\$5,000.00	
Assistant Watermaster Salary	825.00	
Car Mileage	1,087.38	
Miscellaneous	687.18	
Telephone	114.83	
Office Rent	240.00	
Stenographic Services	167.50	
Insurance	84.44	
Social Security Tax	<u>66.49</u>	
Sub-Total		\$8,272.82

SERVICES RENDERED BY THE BOISE PROJECT BOARD OF CONTROL

Gage Readers, Dowling	.\$ 180.00	
More's Creek	160.00	
Telephone Service to Upper River	270.00	
Assistance in Current Meter Work	235.00	
Office Work, compiling records of natural flow, etc.	225.00	
Total value of services as fixed by Committee		1,070.00
TOTAL COSTS TO WATER DISTRICT 12-A FOR 1952		\$9,342.82

CONCLUSIONS

1. That the records and data substantially as compiled in the Water-master's report for the past thirty 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 I without injury to the rights in Section II 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 II to Section I is injurious to the rights already existing in Section I 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 waterusers 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 40 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 the constant threat of flood is a serious menace to the low lands of the Boise Valley.

16. That Lucky Peak Dam and Reservoir, when completed, will go a long way towards solving the flood problems of the Boise Valley.

* * * * *

R. 2 W.

Department of the Interior
United States Reclamation Service
Boise Project Idaho

DIVERSIONS AND TRIBUTARIES ALONG BOISE RIVER

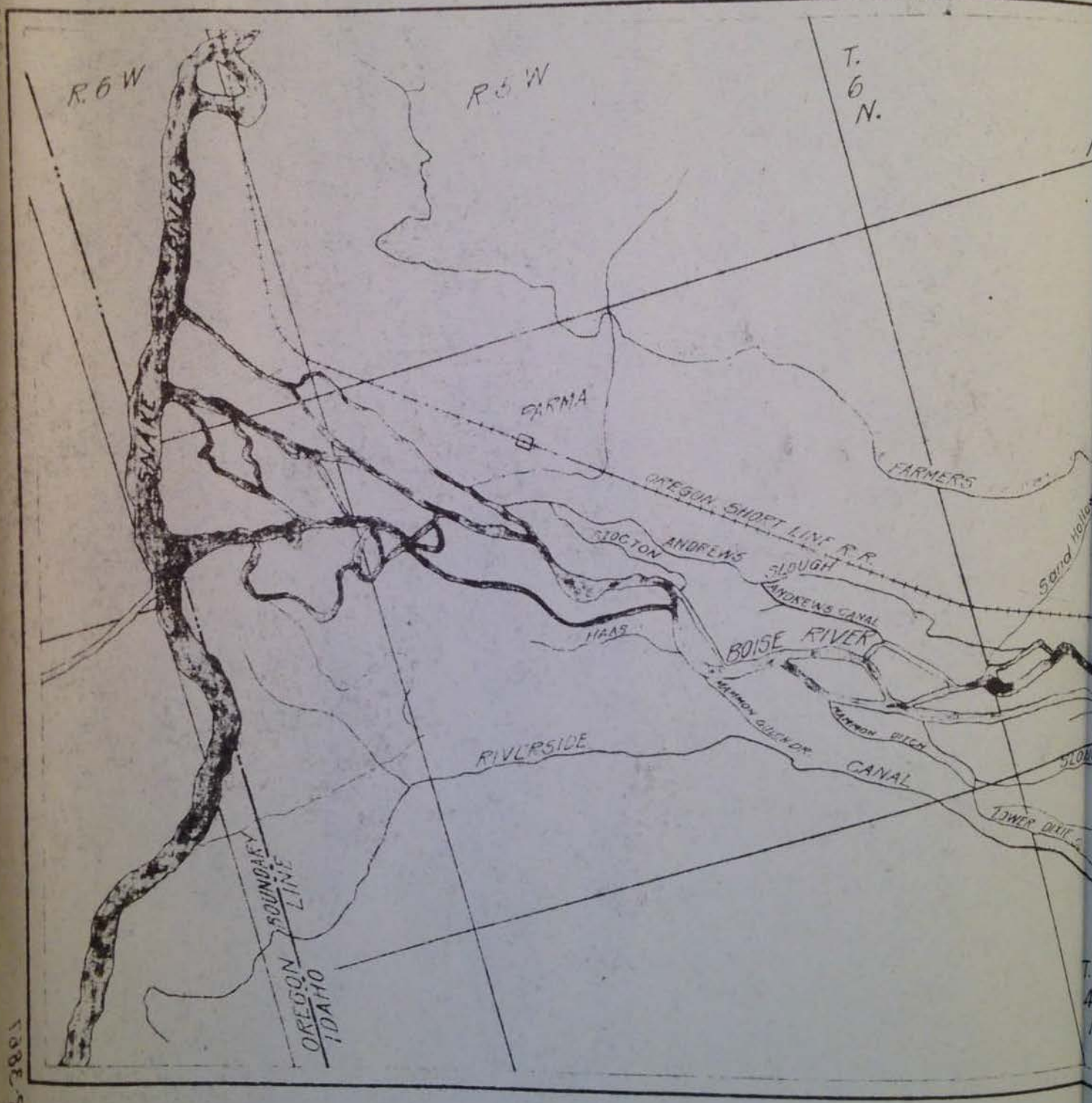
From Government Diversion Dam to Snake River
(Revised State Engineers' Map of 1904)

Scale: 1 in. = 8000 ft.

F. E. Weymouth George H. Bliss
Supervising Engr. Project Manager
JAN 1915



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R. 6 W

R. 6 W

T. 6 N.

GARMA

FARMERS

OREGON SHORT LINE R.R.

STOCKTON

ANDREWS

SLOUGH

ANDREWS CANAL

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BOISE RIVER

MARION GULCH

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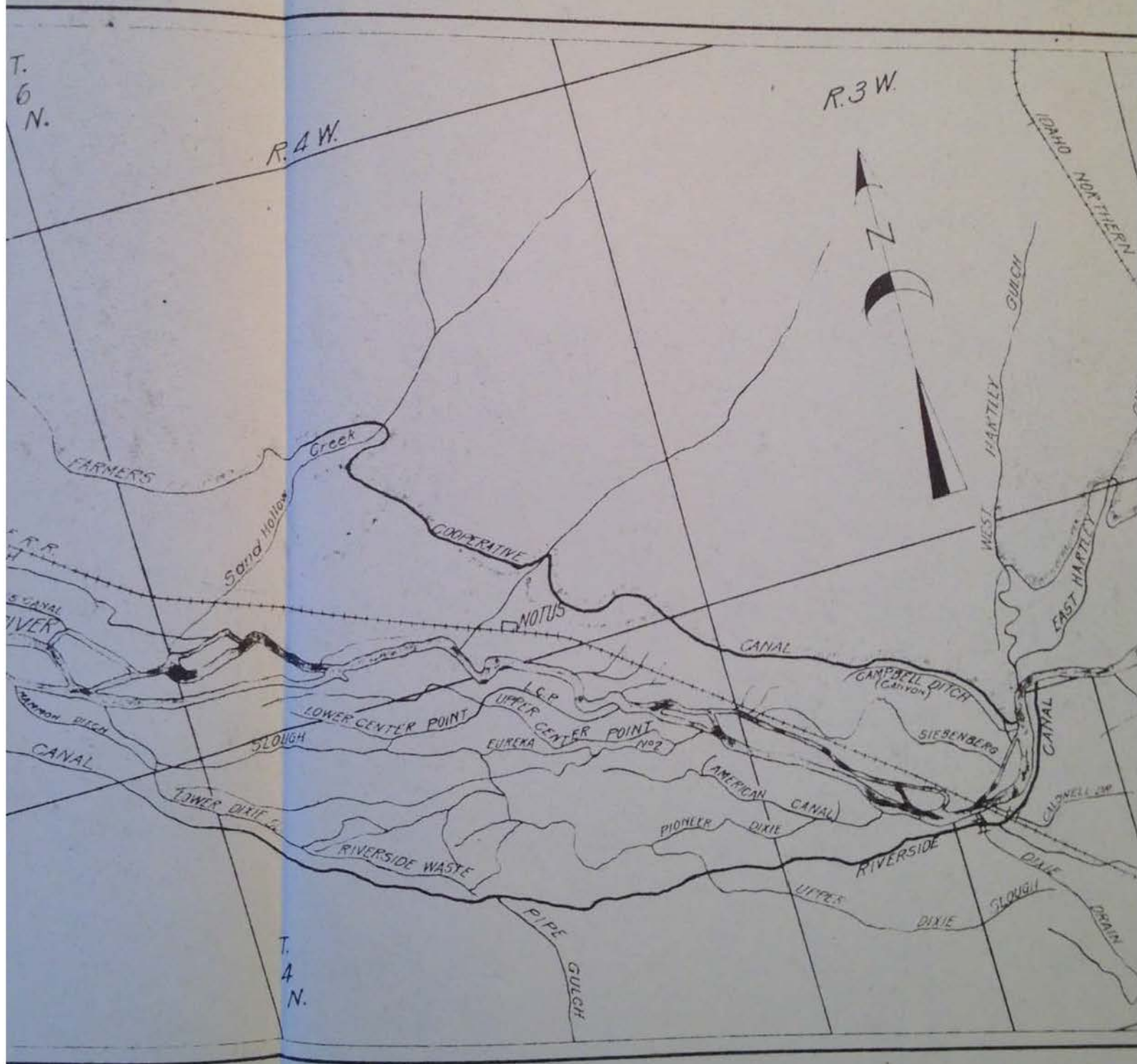
OREGON
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Sand Hollow

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LOWER DITCH

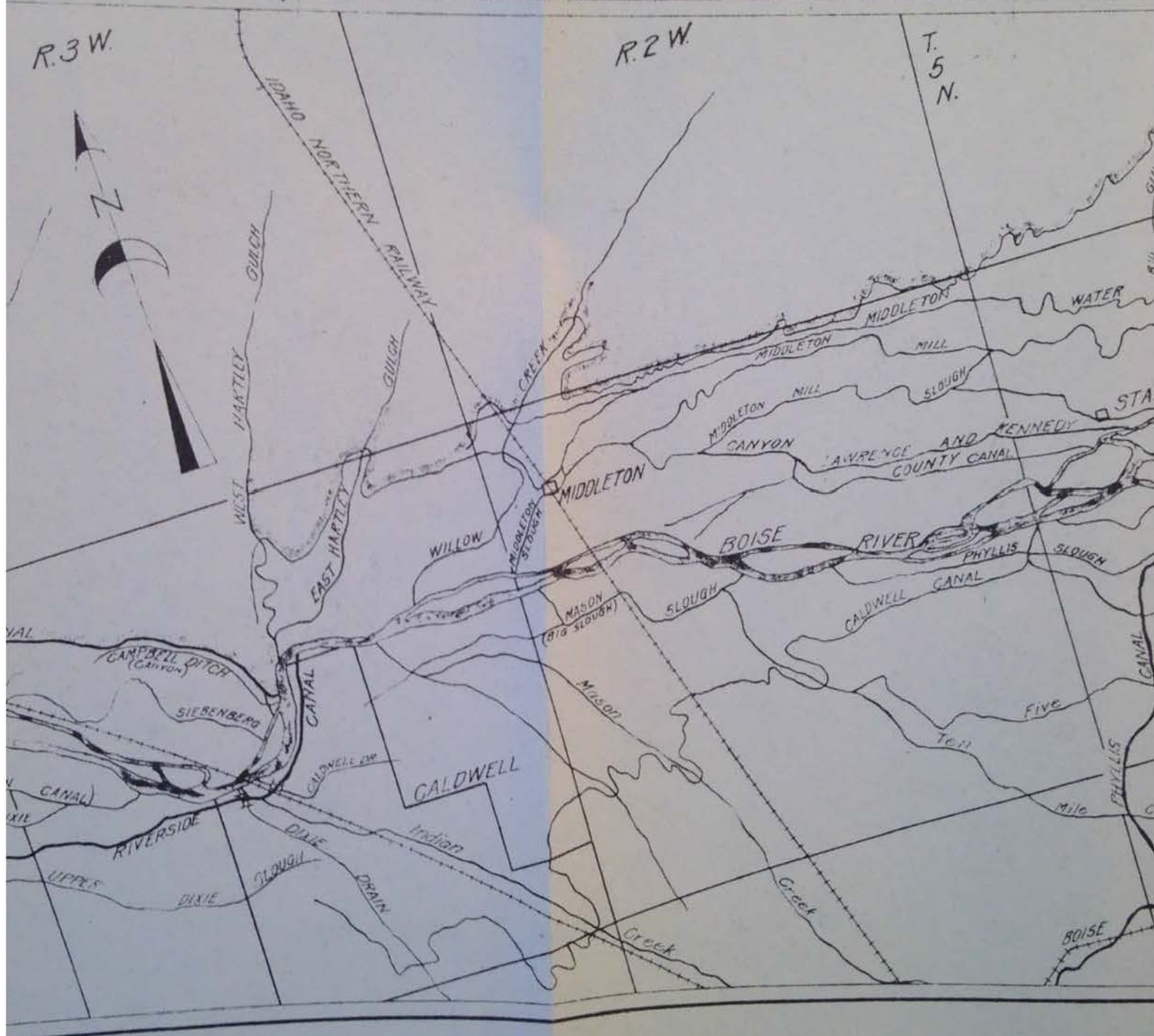
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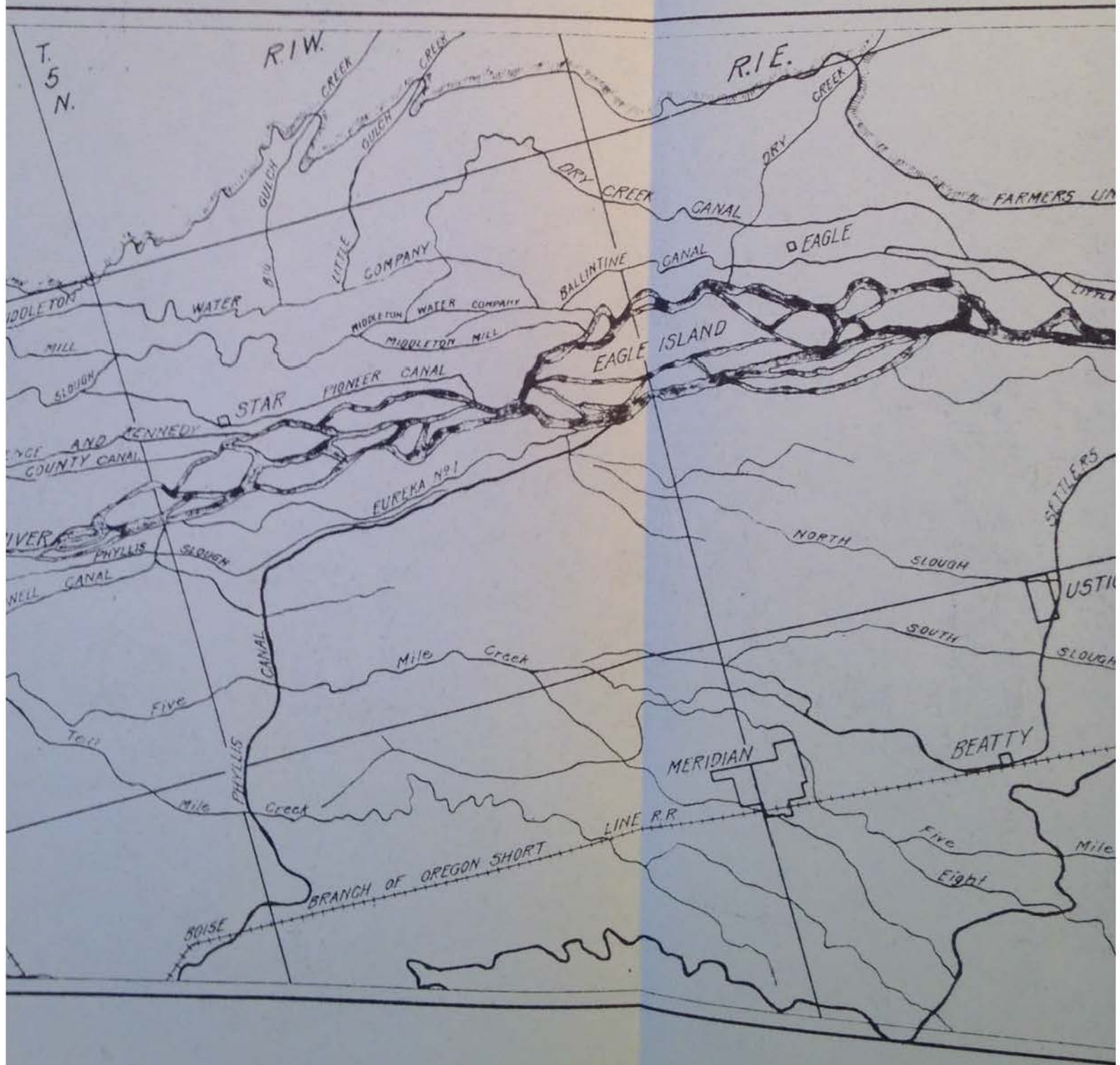


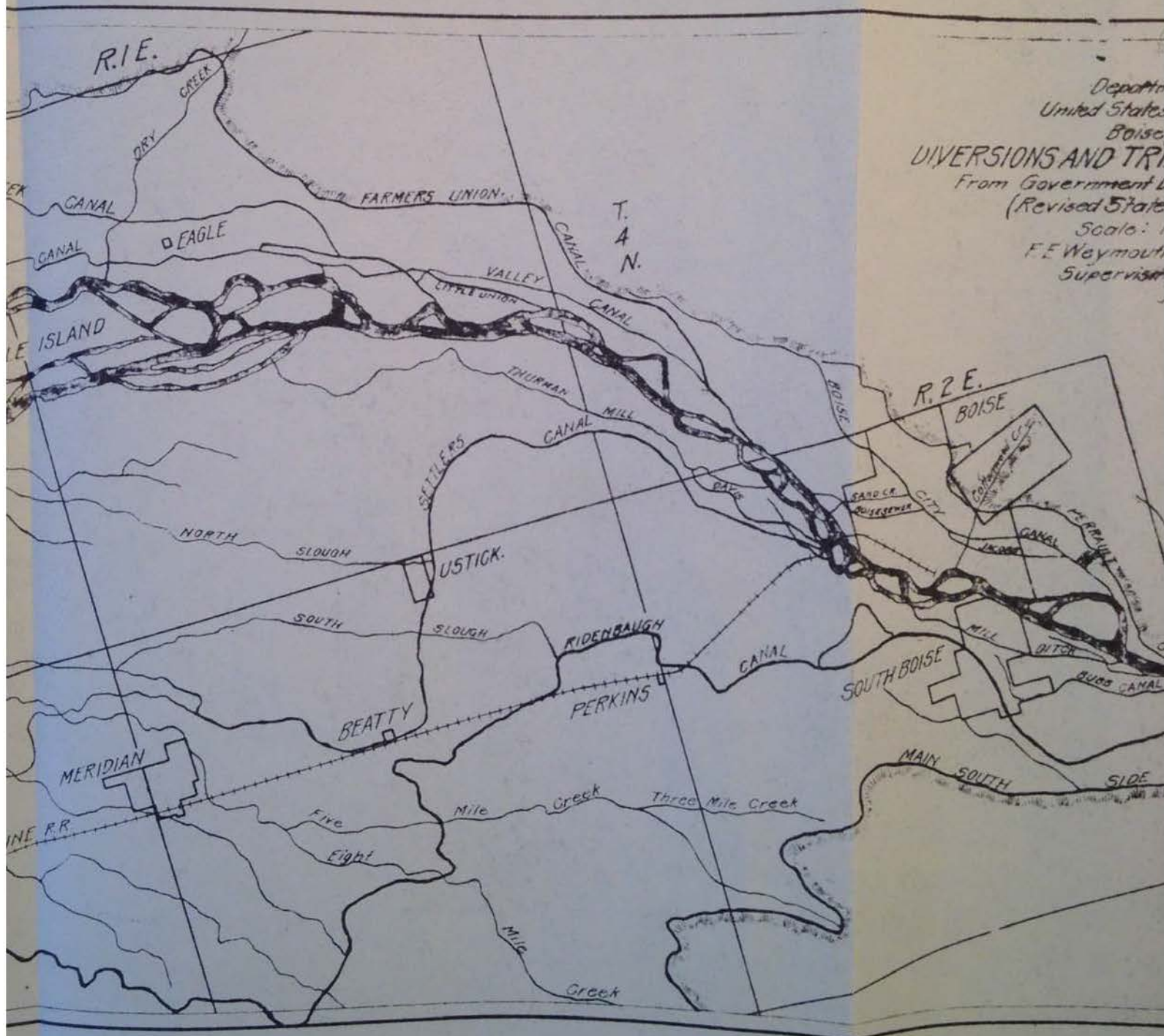
R.3 W.

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T.5 N.



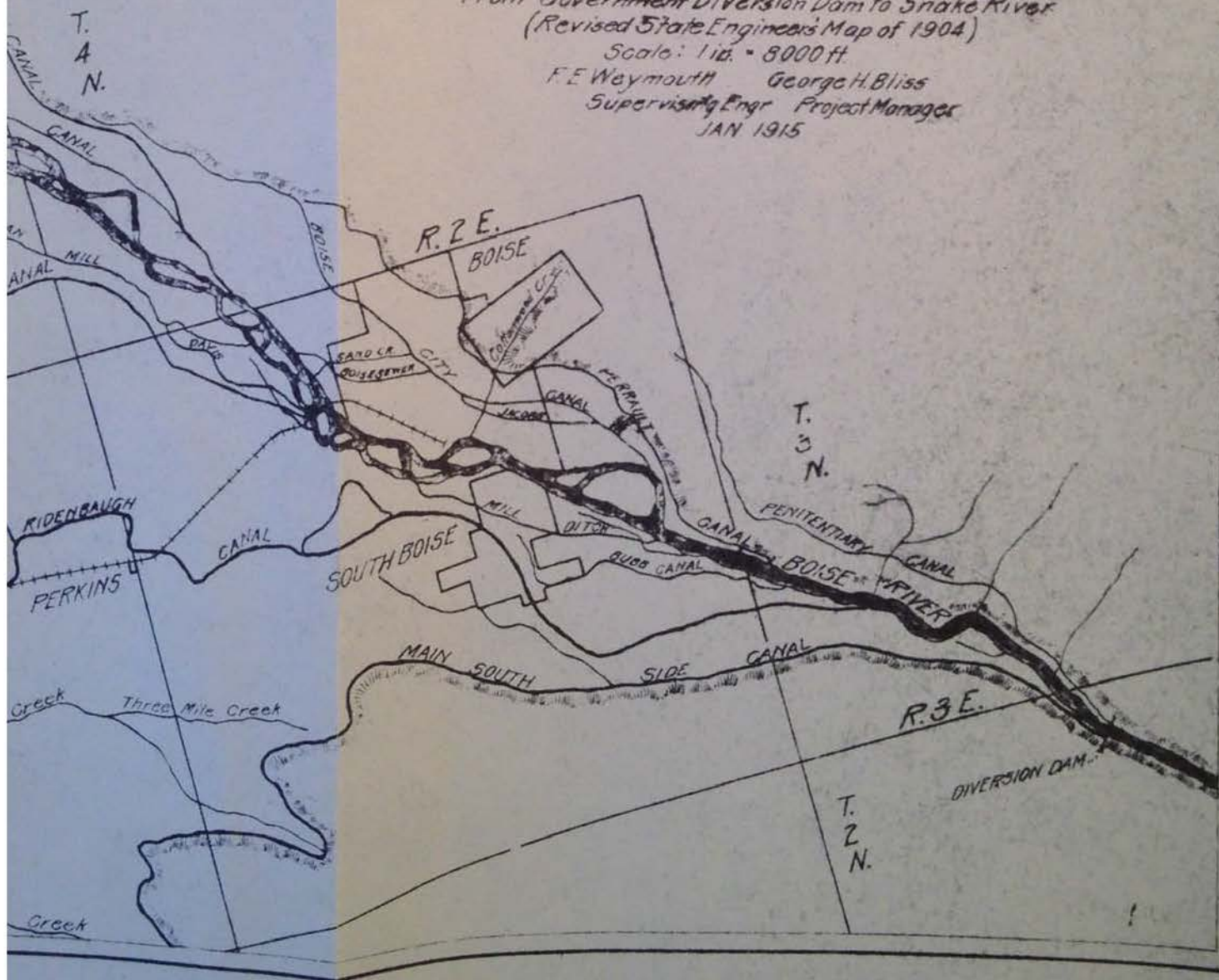




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F.E. Weymouth
Supervisor

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BOISE
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Department of the Interior
 United States Reclamation Service
 Boise Project Idaho
DIVERSIONS AND TRIBUTARIES ALONG BOISE RIVER
 From Government Diversion Dam to Snake River
 (Revised State Engineer's Map of 1904)
 Scale: 1 in. = 8000 ft.
 F.E. Weymouth George H. Bliss
 Supervising Engr. Project Manager
 JAN 1915



NATURAL FLOW OF BOISE R

BEGINNING 1941

JANUARY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	953	664	662	690	704	967	890	959	776	857	761	699	622	926	1076	929	527	876	864
1942	612	612	612	927	737	737	737	999	1000	1157	1052	1051	841	946	946	621	731	1306	866
1943	4510	4934	3711	2796	2572	2257	2026	1701	1730	1701	1554	1337	1344	1519	1550	1636	1300	1100	1315
1944	998	895	979	759	575	685	876	673	670	671	674	676	684	688	962	934	945	1042	827
1945	796	703	662	668	803	810	747	1120	1193	1040	1035	899	902	1300	1461	1305	1169	1052	1034
1946	2583	2012	2128	1723	1881	1631	1219	1544	1262	1045	1240	920	878	1057	983	866	1214	1246	1157
1947	820	1062	923	620	688	986	1017	1018	905	903	1186	1033	1074	1052	788	753	786	733	1073
1948	661	943	884	972	1020	1111	1140	2183	2282	1653	1571	1494	1005	866	810	842	940	948	964
1949	866	878	818	730	730	825	800	322	861	868	773	760	777	824	830	850	841	814	785
1950	641	735	654	772	509	645	847	894	903	955	952	707	558	884	624	760	832	706	767
1951	1120	993	1241	1259	997	1017	1000	743	949	1130	1234	1168	1361	1167	1134	1230	1404	1165	1058
1952	799	526	852	469	1009	989	898	1152	1046	936	1195	1463	1735	904	1285	1544	1618	581	1254
1953	776	694	1345	786	691	810	1165	731	1103	1275	1657	1090	1736	2377	1736	1741	1662	2309	1536

FEBRUARY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1941	817	843	852	957	831	879	1140	1215	1100	1102	1241	1435	1469	1238	1123	1113	1093	994	1041	115
1942	1158	1073	1400	1427	1432	1446	1326	1392	1271	1261	1285	1152	1148	861	997	1179	1011	892	739	75
1943	1859	1804	1921	1657	1557	1675	1571	1797	1817	1522	1569	1359	1648	1445	1646	1758	1771	1361	1944	215
1944	764	878	1096	809	1046	1165	1032	1020	1159	1270	791	785	773	785	906	1053	867	858	979	84
1945	799	1012	1467	1371	1010	1077	1048	1210	2213	1737	1486	1353	1590	3131	2857	2051	1874	1550	1396	132
1946	1093	1162	1061	1049	1186	986	1102	1004	914	891	1028	1132	941	961	1074	1366	1281	1232	956	123
1947	1014	1122	953	941	993	1075	992	940	944	1148	1146	1250	2090	2423	2059	1896	1897	1937	2145	178
1948	878	983	1021	857	836	842	747	913	727	917	665	601	670	902	970	921	917	886	1227	141
1949	750	801	827	862	873	803	885	890	862	832	801	770	734	659	682	594	682	691	753	752
1950	833	747	675	1415	1134	1344	1272	1181	1267	1258	1091	990	1165	917	1112	1159	1205	1202	1207	1255
1951	757	835	945	1261	2237	1654	2153	3231	3400	3067	3290	3946	3147	3254	3175	2395	2409	2301	2334	2198
1952	900	1762	2068	1842	1607	1437	1290	1466	1611	1620	918	1342	1323	1272	921	1187	1743	1714	1215	1310
1953	1127	1301	1834	2664	2913	2320	2082	2300	1921	1761	1697	1535	1519	1455	1550	1329	1416	1404	1398	1554

NATURAL FLOW OF BOISE RIVER

CHART NO. 2-L

BEGINNING 1941

JANUARY

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
926	1076	929	927	876	884	888	890	886	884	917	1030	1215	1172	942	811	808	911	27,130
946	946	621	731	1306	866	756	866	748	976	1119	1265	1511	1172	1323	1489	1388	1281	31,091
1519	1550	1636	1300	1100	1315	2010	2179	3728	4603	4259	3563	3199	2987	2703	2505	2250	2006	76,595
688	962	934	945	1042	827	824	822	722	730	940	827	828	823	733	748	744	752	24,706
1300	1461	1305	1169	1052	1034	1035	704	830	739	663	815	806	737	774	772	664	876	28,125
1057	963	866	1214	1246	1157	1111	940	1164	1117	1362	1209	1045	1073	1104	993	952	1085	39,765
1052	788	753	786	733	1073	1245	1122	1276	865	1119	1114	1125	1157	913	921	986	908	30,181
866	810	842	940	948	964	827	872	924	1244	1208	1030	906	760	481	545	766	909	32,761
824	830	850	841	814	785	780	788	806	811	793	732	686	719	722	727	765	738	24,519
884	824	760	832	706	767	1079	1300	1874	2235	2173	1789	1237	1251	1182	1271	1019	833	31,594
1167	1121	1230	1404	1165	1058	1107	1050	1321	1324	1154	1252	1219	1404	1171	747	946	1118	35,328
904	1285	1544	1616	581	1254	1132	974	956	1375	1249	1257	987	1452	976	1089	1109	1379	34,200
2377	1738	1741	1662	2309	1536	3814	2852	2266	1732	1452	1546	1525	1065	1647	1698	1258	1544	50,641

FEBRUARY

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1238	1123	1113	1063	994	1041	1151	1069	1093	1369	1529	1776	1535	1284	1342				32,684
861	997	1179	1011	892	739	753	806	1477	1051	1150	952	922	941	1079				31,581
1445	1646	1758	1771	1361	1944	2154	2462	2739	3419	3440	3327	2831	2870	2759				58,282
785	906	1053	867	858	979	842	847	622	916	744	919	798	797	954	780			26,305
3131	2857	2051	1874	1550	1396	1329	1302	1115	1086	1077	1051	836	969	1056				40,062
961	1074	1366	1281	1232	956	1237	1239	1219	1257	1287	1482	1546	1607	1600				32,902
2423	2059	1886	1897	1937	2115	1786	1741	1834	1951	2029	1972	1832	1961	1578				43,639
902	970	921	917	886	1227	1411	1102	1326	1215	1458	1222	1309	1506	1340				30,240
659	682	694	682	691	753	752	841	848	846	871	901	916	929	945	1203			22,837
917	1112	1169	1205	1202	1207	1209	1223	1221	1410	1412	1935	2020	1996	1975				35,705
3254	3175	2205	2109	2301	2334	2158	1937	2054	1828	1815	1678	2214	1528	2020				63,068
1272	921	1187	1743	1714	1215	1310	1183	1269	1266	1264	942	1120	949	1511	721			38,754
1455	1550	1326	1416	1404	1368	1550	1008	1069	1316	1356	1257	811	1271	1116				44,260

MARCH

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	1678	1868	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	1495	1480	1318	1284	1712	1967
1942	873	1003	1035	1136	1018	1122	1054	1177	1115	1308	1403	1593	1652	1860	1479	1688	1527	1468	1432
1943	3088	2982	2899	3025	3099	2745	2569	2684	2910	2526	2520	2460	2525	3825	3899	3451	3161	2860	2606
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174	1248	1012	681	1150	1442	1440
1945	903	1024	1056	1012	816	794	816	870	968	1016	1035	1076	1426	1746	1707	1520	1403	1510	1304
1946	1733	1580	1379	1595	1565	1948	1997	2033	2090	2342	2900	3811	4148	4131	3566	3217	2643	2526	2803
1947	1651	1539	1661	1803	1607	1600	1312	1465	1418	1644	2758	2251	2114	2004	2190	2946	3095	3940	4387
1948	1087	1173	1121	1056	966	976	973	994	997	978	994	1005	1015	1087	1060	1126	1145	1137	1121
1949	1113	1343	1606	1746	1823	1874	1915	1913	1943	1941	2047	1984	1977	2164	2195	2425	2731	2890	2605
1950	2698	2310	2377	2328	2154	2618	2476	2333	2250	2232	1929	1679	1486	1615	1505	1502	2181	3880	4755
1951	1694	1714	1319	1608	2076	1084	1520	1410	995	1322	1138	1112	1368	1360	1491	2022	1527	1587	1719
1952	1276	1325	916	1271	956	864	668	1288	1202	1187	1670	901	1329	853	1348	1688	1028	1961	1725
1953	1423	1403	1427	1099	1369	1165	1474	976	1628	1622	1895	1871	2153	1965	1655	1796	1786	1337	1793

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	2563	2071
1942	2592	2973	3294	3741	4057	3785	3879	4215	4659	5444	6081	7073	8215	6731	9411	8204	6527	6020	6098	5859
1943	8908	10250	11430	11901	13749	13264	14663	16969	21215	18207	16138	16191	18504	20265	21625	22310	23229	25040	23312	22451
1944	1584	1766	2125	2665	2726	3114	2693	2569	2622	2605	2376	3092	3326	2841	2721	2302	2377	2310	2015	2271
1945	2671	2430	2252	2132	2205	1890	2576	2192	2522	2329	2057	2075	2045	1185	2296	2082	2706	2855	3445	4461
1946	6008	4982	4552	4717	4841	5215	6160	6164	6222	5847	5218	5919	7596	10219	12352	13581	11780	17385	11112	18061
1947	4810	4145	4006	3747	3576	3468	3305	3129	2954	2778	2635	2807	3063	3230	4470	5633	6148	6375	6440	6214
1948	1740	2024	2660	2967	2723	2292	2269	1997	1837	2190	2201	2152	2155	2437	2518	3724	5472	10595	8536	6856
1949	2433	2670	3339	3555	4184	5078	5780	5966	6176	6527	6160	7696	7761	5943	5790	5856	7130	7765	9413	10308
1950	2888	3787	4628	4125	4107	3894	4251	4659	5177	4667	5832	5720	6521	7446	7513	7141	8013	8713	9288	8568
1951	3624	3474	4934	5892	7194	8125	9860	10722	10962	10961	10653	9941	9844	11505	11254	13094	10778	11156	11617	11612
1952	3257	3410	3369	3710	4755	6635	8272	9276	7782	6988	6043	7114	8421	9827	10983	9842	10395	12428	11961	14611
1953	4662	3871	3824	4380	4381	4103	4956	3346	3502	3669	2558	2560	2634	2480	1840	2836	2755	3151	3900	3581

CHART 2-M

MARCH

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
180	131E	1384	1712	1967	1942	1942	1842	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,724
179	1688	1527	1468	1432	1411	1414	1442	1305	1575	1447	1464	1476	1546	1639	1980	2250	43,902
300	3451	3161	2960	2606	2820	2026	2818	2119	2521	3009	3789	5285	7156	9555	10692	9936	117,569
012	681	1196	1442	1446	1397	1366	1122	1135	1463	1179	1145	1154	904	1053	1094	1369	34,047
707	1520	1403	1519	1304	1172	1532	2260	2813	2856	2541	2242	2530	2320	2510	2290	2501	49,580
566	3217	2543	2526	2803	4144	5164	5371	5061	5103	4335	3767	4216	5462	6114	6616	5740	105,302
190	2946	3095	3940	4387	4397	4613	4661	4948	4541	3963	3837	3541	3553	3479	3709	3491	90,636
060	1126	1445	1127	1121	1086	1063	1001	1117	1133	1421	1342	1314	1381	1543	2076	2060	36,698
195	2425	2731	2990	2945	3221	3356	3362	3405	3446	3169	2970	2672	2564	2154	2200	2233	73,417
005	1502	2181	3880	4755	3658	3195	3006	2679	2729	2772	2856	2715	2552	2323	1569	2237	77,279
191	2022	1527	1587	1719	1817	1816	2533	2602	2115	2518	3130	2454	4455	4220	3470	3782	64,079
346	1658	1028	1961	1725	1653	1838	2779	2086	1330	810	2856	2991	3509	3384	3961	2586	53,141
555	1796	1780	1337	1793	1997	1871	1495	2015	1876	2655	2967	2939	2966	3409	3928	5376	63,355

APRIL

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
06	3665	3394	3243	2963	2670	2387	2370	2452	2699	3128	3201	3316	3543	4000	4420	94,150
11	8204	6527	6020	6090	5858	6528	7779	8562	7355	6099	5718	5033	4620	3317	4353	170,811
25	22310	23229	25040	23312	22450	19721	17930	15206	15482	14763	13016	12110	11161	14952	13643	503,206
21	2302	2377	2310	2015	2274	2185	2848	2613	2821	3624	3471	3330	4282	3712	4231	82,000
06	2082	2706	2855	3415	4460	6135	7701	6650	6101	5125	4326	3792	2729	3768	4622	101,184
52	13581	14780	17389	1112	18660	17103	13559	11548	11850	13257	15441	16663	15853	14226	13167	319,802
70	5633	6148	6379	6440	6214	6171	6313	6123	6002	5480	5356	5760	6191	6991	7300	144,699
18	3724	5472	10555	8536	6856	6096	9614	8538	6732	6461	5890	5108	4452	4411	5165	132,212
20	5846	7130	7765	9412	10308	8503	7069	8258	8197	10023	9325	8906	9226	9241	9046	208,274
13	7141	8013	8713	9288	8968	9697	11164	11175	11063	8717	8276	7747	7166	6576	6012	204,893
54	3094	10778	11156	11617	11612	9103	9634	8658	7951	8080	7476	7865	8281	11574	11017	276,856
13	9842	10395	12428	11961	14611	12936	12801	13075	12845	16380	18536	22122	23239	21444	18794	335,946
10	2936	2255	3151	3909	3581	6259	7202	9882	9541	10534	9021	9661	11656	12779	9568	165,098

MAY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	4890	5168	5018	5531	5646	5678	4968	4609	4612	4306	4367	5127	7386	8408	7456	6153	5543	5536	57
1942	4049	4010	3767	3545	3454	3451	3320	3456	3734	4349	4477	4364	4144	4077	4044	4151	4093	3915	39
1943	13118	14472	15282	15085	15650	14752	21684	11194	10220	10225	9810	9272	8431	8266	7851	7404	7311	7009	69
1944	4472	4415	3900	3741	3793	4412	5143	5600	5514	5168	5134	5178	5509	6077	7059	7632	7270	6942	56
1945	5954	6978	8661	10592	11644	10720	9979	9101	9062	9218	10489	9101	8230	8448	7555	6677	7216	7208	66
1946	11796	10583	10259	10937	12416	13491	12844	13260	12128	11745	10582	10286	9306	9563	9170	9087	9507	10011	1075
1947	6899	7787	10947	11509	11660	11547	11766	12725	13938	11347	10891	9953	8473	7965	7504	7733	7063	7056	714
1948	1839	4538	3728	4393	4204	4307	5353	6539	6472	5797	5101	4613	5081	5451	6409	7046	8026	10021	1175
1949	8043	7824	7289	6740	6507	6212	6294	7196	8178	9129	9835	10188	11441	11785	12313	12729	11184	11045	1113
1950	5296	6068	5497	6494	5131	5004	4335	4258	5085	4557	5345	5562	6933	9553	11897	13385	13675	12924	12280
1951	9164	8818	7239	7238	7299	8201	9732	12301	11980	12087	12460	13367	12371	10540	11714	8739	9745	10377	11258
1952	14338	14047	16513	18001	18954	15799	16476	15533	15390	15081	14556	13358	16047	16502	16169	14231	12343	11692	12801
1953	7935	6442	5512	5136	4791	6975	7413	8286	7592	6106	6086	5339	5084	5266	5493	5817	6208	7529	7120

JUNE

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	5876	5273	4713	4985	5028	4885	5212	6341	5866	5148	4826	4982	5120	5417	5474	5217	4718	4390	4612
1942	6271	5752	5626	5932	6318	6766	8006	9385	9868	9502	8497	7275	6100	6171	6105	5622	6402	5825	5420
1943	15587	14754	12962	11296	10258	8909	8350	8004	7816	8370	9666	10493	11513	11171	10305	10063	9045	8978	11571
1944	5791	5553	5041	4788	4389	4168	4099	4084	4583	4943	4477	4254	4127	4007	4063	4055	4112	3762	3506
1945	7248	7594	8171	8810	8477	7906	7594	7816	6873	8299	7485	6911	6636	6727	6164	5678	5343	5416	5806
1946	7950	7533	7764	9114	10131	9775	8965	8249	7785	7505	7573	6965	6209	6199	6492	6765	6413	5536	5244
1947	7015	6887	6980	6014	5562	5299	5299	5342	6372	6867	5991	5421	4355	4743	4539	4285	4962	5051	5334
1948	10513	10900	11606	12316	11288	11163	11210	10962	10880	10534	10190	9669	9047	8398	7682	7075	6428	5872	5495
1949	8708	7602	6441	5588	5222	5867	5323	6598	6735	7171	7009	7447	6008	6266	5531	4828	4980	4145	3728
1950	10066	10139	10220	10932	10648	10879	11713	11063	9479	8073	7511	8058	8615	7834	8115	8634	9085	9759	8926
1951	9487	8457	7265	6970	6227	7755	6914	6277	5708	5396	5479	6034	7203	7536	8584	9851	10513	9666	9513
1952	12110	11938	11735	13212	13470	13830	13581	13783	12050	12664	10548	10452	7839	7788	7471	7157	6311	6538	5654
1953	7869	8636	9229	9010	9655	9255	8956	8815	8799	8842	9178	10758	13803	14870	12978	11011	10254	12398	12700

CHART NO. 2-N

MAY

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1496	6153	5543	5536	5708	5101	4809	4875	5676	6643	7222	7181	8861	8155	6497	5834	5620	182,668
1044	4151	4009	3815	3906	3693	4044	4664	6565	9166	8745	10606	12690	8987	7899	6931	6560	162,838
1851	7404	7111	7009	6906	7316	8041	8851	10237	12494	14458	14525	16433	15392	15465	16213	16835	361,402
1059	7632	7270	6542	5688	5076	4361	4248	4142	3824	3550	3409	3269	3789	3721	4432	5576	151,604
555	6677	7216	7208	6601	5903	5382	5033	4993	5600	6638	6372	6538	6147	6452	6532	7120	236,573
170	9087	9507	10011	10750	10746	10134	9995	10297	9414	8760	8863	10914	10528	10264	9346	7956	325,830
504	7733	7063	7056	7143	6705	7403	7922	7782	7407	7316	7548	7862	8080	7846	6708	6497	272,882
409	7046	8026	10024	11750	12004	11158	9708	9347	9066	9469	11787	12502	14185	15260	13357	11342	252,896
313	12729	11184	11045	11133	10828	10219	9157	8361	8245	7608	6245	8084	9373	9462	9520	9017	283,431
847	13385	13675	12924	12287	5602	6307	10851	12138	12535	13021	11443	11009	11542	11799	11588	11627	279,748
714	8739	5745	12377	11258	11542	11650	11253	12580	12753	13796	12825	12586	13931	14035	12879	10811	344,921
169	14231	12343	11612	12801	12544	13661	13676	12967	11778	13056	14007	15740	13838	14449	13520	12560	445,787
493	5817	6208	7529	7120	9541	9170	7865	7045	6758	5485	5115	4725	4621	6049	6183	6898	201,788

JUNE

	15	17	1E	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
4	5217	4718	4390	4612	4450	4067	3541	3436	3300	3016	3077	2668	2626	2656	2468		123,388
5	5822	6402	5525	5420	5117	4754	4453	4427	4650	4756	4886	4527	4024	3862	3701		181,187
6	12063	9048	9978	11871	12584	11249	10070	10555	10635	9768	9435	9483	9715	9520	9755		313,877
7	4095	4112	3762	3536	3582	3888	3933	3924	3636	3689	3732	3741	3664	3228	3004		123,863
8	5678	5343	5416	5806	6460	7111	7319	7317	7137	6538	6633	5948	5117	4311	3903		202,998
9	6765	5912	6539	5244	5764	5113	5211	4827	5035	4566	3904	3517	3468	3540	3407		189,412
10	1785	4962	5051	5334	5103	4813	4215	3548	3663	3798	3631	3738	3433	2971	2642		148,619
11	7075	6428	5972	5495	4918	5009	5503	4938	4634	4327	4162	4086	3675	3657	3476		229,853
12	1828	1980	1415	3728	3705	3547	3301	3391	3242	3073	3074	2960	2558	2418	2328		150,554
13	8634	9085	9759	8726	9710	9794	10312	10051	8978	7663	6815	5212	6531	7034	8135		270,405
14	9951	10513	9966	9533	8704	8816	7928	7125	6406	6370	5833	6263	5806	5649	5691		219,788
15	7157	6311	6538	5614	6755	6336	5360	5598	5239	5328	5415	5276	5236	4724	5238		259,400
16	11011	10254	12398	12730	11478	10079	9372	9207	9415	9046	7988	6975	6975	6805	7246		291,782

JULY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1941	2322	2243	2039	1927	1952	1710	1674	1575	1513	1437	1337	1296	1213	1239	1233	1251
1942	4013	4240	4155	3775	3793	3472	3324	3084	2814	2736	2424	2238	2108	2075	1895	1811
1943	10045	9693	9157	9300	8879	8231	8048	8399	8360	7942	7292	6508	5408	5339	5040	4953
1944	3009	3102	2686	2700	2403	2513	2184	2012	1856	1998	1857	1698	1642	1590	1515	1482
1945	3716	3569	3697	3642	3538	3165	3117	2943	2881	2900	2523	2409	2555	2355	2175	2136
1946	3334	3363	3476	3227	3104	2957	2713	2600	2587	2373	2385	2246	1945	1915	1811	1658
1947	2727	2594	2681	2701	2632	2476	2407	2450	2533	2120	2258	2132	1940	1871	1856	1816
1948	3652	3480	3149	2965	2676	2504	2408	2250	2112	2067	1859	1818	1811	1736	1500	1565
1949	2345	2243	2200	2079	2070	2094	2268	2117	1900	1699	1705	1663	1639	1500	1471	1390
1950	8217	8402	7729	7180	6707	6330	6036	5799	5235	4788	4579	4039	3874	3507	3215	3369
1951	5444	5457	5231	5184	5226	4489	4507	4060	3758	3821	3636	3409	3003	2998	2845	2641
1952	5148	4151	3933	4258	3917	3764	3846	3333	3218	3076	3153	3534	3003	2998	2845	2641
1953	7247	7169	6740	6586	6778	6462	6786	6035	6033	5369	5284	5022	1683	4618	4453	3795

AUGUST

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1941	943	873	856	848	786	713	736	738	716	702	682	1339	1262	1140	896	836	85
1942	1051	1009	1000	1009	967	972	930	893	929	862	878	784	756	742	745	729	65
1943	2477	2514	2409	2330	2308	2173	2044	1875	1896	2060	1656	1539	1630	1644	1636	1619	154
1944	1012	1000	1042	1027	1002	956	859	783	814	790	770	767	687	650	649	638	63
1945	1093	1020	1077	1025	961	978	910	1246	915	915	970	926	912	842	811	790	78
1946	1283	1251	1282	1249	1224	1116	1096	1089	1088	963	934	901	896	854	841	847	81
1947	1010	1022	973	900	909	872	838	748	790	737	721	714	644	654	663	672	63
1948	870	957	887	823	745	884	935	836	848	825	818	859	792	745	734	737	75
1949	838	785	764	646	594	604	557	571	625	625	608	662	707	727	767	764	82
1950	1656	1530	1525	1401	1552	1840	1590	1507	1274	1350	1471	1447	1300	1400	1136	1127	101
1951	1515	1605	1521	1630	1721	1769	1389	1309	1260	1341	1190	1379	927	1130	968	867	80
1952	1300	2104	1336	1564	1196	1213	1262	1487	1344	1243	1214	1188	998	1393	1495	805	82
1953	1536	1679	1619	1409	1502	1490	1492	1230	1207	1197	1195	1105	1103	1102	1228	1153	118

JULY

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1239	1233	1251	1217	1219	1147	1113	1090	1041	994	966	947	900	891	1141	1079	1040	920
1075	1895	1811	1790	1696	1591	1530	1473	1450	1417	1356	1337	1280	1290	1158	1101	1151	1045
5338	5040	4263	4094	4405	4363	4274	4063	4189	4139	4086	3455	3563	3448	3226	3148	2645	2638
1590	1515	1482	1511	1455	1401	1317	1264	1347	1321	1293	1251	1259	1179	1149	1116	1029	1024
2355	2175	2136	2081	1791	1789	1709	1623	1644	1504	1535	1447	1328	1282	1212	1209	1232	1191
1915	1911	1658	1687	1744	1645	1532	1456	1553	1504	1382	1342	1286	1333	1380	1414	1356	1285
1871	1556	1616	1783	1901	1678	1494	1436	1402	1356	1253	1209	1146	1140	1105	1006	1052	1092
1736	1500	1565	1577	1497	1354	1350	1365	1348	1296	1181	1125	1020	920	914	969	968	864
1500	1431	1360	1295	1256	1155	1083	1083	1080	1099	1043	973	927	925	945	930	894	878
3507	3215	3369	3035	2916	2518	2402	2315	2270	2040	2003	1953	1902	1736	1862	1755	1678	1559
2998	2645	2641	2681	2766	2443	2407	2338	2136	2153	1912	1688	1546	1715	2222	1676	2212	1541
3127	2507	2564	2220	2354	2504	2121	2155	1904	2106	1990	1964	1658	1702	1727	1595	1745	1668
4618	4453	3795	3274	3260	2872	2659	2313	2436	2277	2057	2154	1909	1883	1881	1785	1593	1679

AUGUST

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	T
1140	806	836	852	890	1240	962	832	879	800	714	860	776	781	787	749	724	686	2
742	745	729	674	668	648	611	556	625	597	623	626	596	605	568	578	593	603	2
1644	1636	1618	1594	1521	1514	1457	1400	1366	1315	1304	1280	1278	1244	1234	1211	1179	1172	5
650	649	639	631	634	626	616	581	542	536	547	534	523	529	516	537	539	503	2
852	814	799	769	750	759	726	727	710	714	720	679	646	623	584	586	590	586	2
851	844	847	814	764	753	780	735	768	802	804	835	861	868	876	874	834	829	25
654	663	672	637	619	613	589	579	586	569	585	586	567	546	521	510	553	598	21
745	734	737	753	742	723	679	690	670	679	684	680	677	667	652	644	636	628	23
727	767	764	828	831	763	718	654	611	594	572	560	551	566	544	539	556	541	20
1100	1136	1127	1017	1026	946	1001	964	1019	945	1006	1094	893	863	960	801	730	724	37
1130	108	867	817	1110	825	759	841	1061	1072	835	1137	994	933	806	840	766	971	35
1393	1495	805	823	1074	949	1015	1137	960	1305	962	532	572	850	904	633	372	1099	34
1102	1229	1193	1180	1048	1056	1079	1055	1116	1035	1035	939	924	924	993	994	989	855	36

SEPTEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	658	634	632	650	640	655	646	627	643	655	653	642	669	698	742	747	740	727	68
1942	617	631	599	595	588	558	553	521	515	500	530	554	592	624	632	638	623	623	66
1943	1173	1175	1155	1136	1100	1075	1048	1022	1013	957	922	914	882	917	926	889	862	817	78
1944	476	473	489	551	574	627	650	640	645	603	568	557	517	509	487	455	477	474	54
1945	610	613	606	604	569	586	584	577	609	568	575	611	579	594	563	557	578	569	62
1946	804	741	722	720	681	710	724	794	869	865	824	778	717	695	654	661	670	725	79
1947	583	614	596	570	605	589	585	630	617	645	652	640	701	705	686	656	637	591	63
1948	620	612	606	610	616	620	616	620	620	559	560	570	630	603	592	581	525	507	19
1949	544	544	528	513	489	434	437	433	450	524	541	613	630	621	637	568	586	557	502
1950	811	714	821	642	508	516	496	541	1024	1752	1297	929	756	984	902	843	839	804	841
1951	756	841	1124	617	775	617	709	570	768	848	643	616	692	904	596	696	736	609	534
1952	874	711	1072	997	666	856	692	321	630	655	874	793	756	2173	1067	756	1032	687	716
1953	885	982	976	943	934	897	893	803	850	840	823	811	811	801	800	776	725	729	756

OCTOBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	718	694	674	665	691	724	752	797	732	715	591	676	783	804	698	802	2533	1254	1566
1942	567	748	695	662	697	665	659	684	455	501	459	605	740	744	844	563	683	718	692
1943	696	781	752	808	678	450	1043	864	845	766	907	1228	940	1122	939	927	1005	876	1012
1944	571	583	702	630	554	718	635	636	519	646	652	635	617	611	652	642	821	807	673
1945	353	745	778	774	726	715	716	722	581	601	570	773	696	542	865	746	689	777	846
1946	672	1566	1714	1217	1151	974	940	1064	1013	995	961	991	931	898	932	865	995	910	995
1947	536	648	559	703	619	638	645	518	632	876	803	947	941	874	777	822	2138	1453	1233
1948	631	615	536	551	715	779	728	755	791	697	698	742	742	750	748	751	778	783	780
1949	513	562	575	793	753	948	943	896	835	860	996	849	858	816	827	851	825	834	746
1950	1019	1161	967	968	1027	995	1027	1090	1056	1262	1146	973	950	930	967	971	971	971	971
1951	919	1440	1748	1289	992	1114	1240	1236	681	948	1368	808	1358	1565	941	1751	1489	565	1047
1952	645	583	1512	748	854	548	1020	719	1197	564	693	793	494	892	948	837	747	966	770
1953	701	689	673	666	635	676	694	799	683	867	581	854	766	930	931	955	941	922	974

SEPTEMBER

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
08	742	747	740	727	686	699	710	726	726	728	728	731	727	711	714	715		20,659
21	632	638	623	623	601	620	635	652	666	615	604	572	557	575	536	544		17,670
17	526	589	862	817	783	787	758	826	858	840	891	815	850	874	882	899		28,049
09	487	495	477	474	547	606	663	707	689	672	658	636	624	630	620	560		17,384
34	563	557	578	580	624	630	644	691	629	875	951	963	782	675	681	656		19,573
95	654	661	670	725	793	857	893	893	889	892	827	783	742	681	682	681		22,967
98	686	656	637	591	636	627	606	607	615	617	617	619	592	594	582	590		18,604
23	592	581	525	507	199	474	508	483	504	538	562	590	725	757	806	760		17,873
21	637	568	586	557	502	505	489	474	485	503	508	507	503	466	472	534		15,567
24	932	943	839	804	841	850	846	769	716	712	678	700	750	801	852	938		24,632
04	586	646	736	609	534	316	805	298	729	717	778	833	704	924	706	812		21,275
73	1067	756	1032	687	716	1311	1000	613	823	525	825	356	1466	1050	576	592		25,554
01	800	776	725	729	756	751	773	822	789	774	708	651	606	604	604	617		23,814

OCTOBER

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
804	698	802	2533	1754	1566	1420	1187	922	936	850	694	863	958	909	675	1000	871	31,600
744	844	563	683	718	692	895	720	764	720	760	651	626	702	792	737	835	699	21,282
122	939	927	1006	876	1012	883	1121	1084	1085	1054	1188	1148	1202	1284	1460	1451	1301	30,901
611	652	642	821	807	673	632	598	664	671	674	693	659	958	436	669	638	718	20,414
542	865	746	689	777	846	792	814	338	768	797	776	785	800	781	802	819	924	22,911
898	932	865	995	910	995	925	936	1134	1256	1407	1281	1244	1238	1220	1123	1031	1118	33,697
874	777	822	2138	1453	1233	1063	981	1002	977	947	915	850	813	954	995	1143	1120	28,122
750	748	751	778	793	790	781	792	722	738	741	735	736	734	675	686	685	735	22,321
816	827	851	825	834	746	748	753	812	826	825	852	818	642	689	752	835	780	24,612
930	967	971	971	971	971	971	971	974	973	972	972	991	1158	1274	1525	1685	1832	33,760
565	941	1751	1489	565	1047	1924	1634	513	702	1189	1316	1347	1554	2001	1425	1178	1302	38,636
892	948	837	747	960	779	863	799	1325	1016	743	807	592	862	1259	1305	621	461	25,892
930	931	955	941	922	974	972	956	911	760	728	896	888	858	735	783	781	683	24,928

NOVEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	790	894	1387	2533	1954	1566	1420
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707	942	944	1562	1158	1166	1150
1943	1158	1212	1379	1106	1917	2081	1526	1332	1175	853	1740	1240	1156	1206	1133	1130	1128	967	1087
1944	952	1196	917	1007	1406	1314	1050	500	847	1011	1148	1039	928	975	860	870	745	602	577
1945	902	1104	715	807	947	860	812	865	785	740	787	1072	819	840	941	957	902	888	936
1946	1031	1033	929	844	934	947	1063	971	983	972	1028	937	844	850	944	936	856	947	1115
1947	1073	1003	1003	992	911	999	970	1097	1051	961	949	985	859	985	970	993	1022	926	1024
1948	813	1214	1589	1177	1010	947	883	771	765	779	812	817	856	912	932	981	916	883	854
1949	805	710	715	824	700	690	700	779	995	1043	1022	821	885	840	906	817	846	715	809
1950	1399	2008	1250	1257	1357	1273	1471	1657	1649	1368	1257	1343	1126	1333	1186	1129	1172	1419	1649
1951	1151	906	1003	1365	1001	1305	1053	827	1116	747	150	1470	1072	1368	952	895	587	1272	53
1952	461	532	778	1195	790	826	911	763	615	625	514	1148	1189	1633	1240	843	525	946	894
1953	678	952	844	716	853	868	863	858	860	868	877	926	915	759	889	942	775	634	731

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	1338	1371	213
1942	1854	1741	1385	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225	1116	1111	1041	1189	1052	920	64
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746	746	770	748	759	939	974	100
1944	805	808	793	686	667	728	736	746	638	407	342	352	396	406	464	505	765	610	640	86
1945	972	718	615	866	1056	1008	1091	933	819	456	695	856	664	571	568	707	645	1040	833	69
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1241	3056	4053	4709	3950	2413	1771	1870	184
1947	1239	1165	1100	920	1078	1117	954	951	908	957	622	838	709	995	922	901	811	959	991	84
1948	790	846	881	857	849	841	883	882	874	870	930	952	988	999	980	942	892	767	720	73
1949	1303	1123	1148	775	804	855	790	842	891	780	701	626	650	903	713	817	809	934	656	56
1950	1403	1398	1485	1441	1551	1450	1561	1878	1631	1545	1759	1551	1474	2107	1284	1179	1669	1304	1206	118
1951	2369	3435	2251	2024	1569	1835	1117	853	711	916	962	1493	1337	1060	1098	754	1072	1273	1362	80
1952	723	780	1163	823	753	702	875	1006	902	742	931	943	1424	1071	1056	1444	879	733	445	116
1953	1008	1002	1012	1012	996	925	958	962	969	1013	1025	982	1034	971	900	828	829	841	789	92

NOVEMBER

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
394	1387	2533	1954	1566	1420	1187	922	936	850	694	863	958	909	675	1000	871		31,600
342	944	1562	1158	1186	1150	1007	857	703	858	1128	1793	1534	1246	1442	1412	2098		32,034
206	1133	1130	1128	967	1287	1141	1126	985	1056	1056	968	1056	959	955	909	935		35,352
775	860	870	745	682	577	656	681	731	722	699	802	716	741	747	600	581		26,099
840	941	957	932	898	936	976	839	675	580	875	1004	991	1061	1096	1094	905		26,835
850	944	936	856	947	1115	2186	1660	1484	1328	1706	1603	1603	1713	1457	1522	1676		36,107
985	970	993	1022	926	1024	865	754	883	655	771	1011	993	1032	1081	973	998		28,797
912	932	981	916	883	854	838	818	790	808	803	813	831	815	818	830	784		26,959
810	906	817	846	715	809	684	841	645	804	1409	1474	1367	1290	1347	1205	917		27,606
333	1186	1129	1172	1419	1649	1540	1597	1879	1277	1272	1388	1383	1359	1278	1232	1298		42,476
368	952	695	587	1272	53	2770	773	1272	1051	953	831	863	1518	1231	1330	1210		32,142
633	1240	843	525	946	894	962	643	1021	698	238	842	114	834	936	813	552		24,086
759	889	942	775	684	731	740	752	871	1990	2142	1272	1102	1210	1344	1291	1130		29,772

DECEMBER

4	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
106	1372	1694	1580	1338	1371	2130	2240	2199	1896	1573	1657	1335	1097	917	1411	1620	1873	53,419
16	1111	1041	1189	1052	920	942	994	1293	1140	1395	1644	1707	1173	1131	1351	1679	2620	40,891
46	770	748	759	939	974	1002	1003	1186	1003	943	1056	954	838	628	536	757	994	27,884
106	464	505	765	610	640	866	1052	818	1137	906	839	783	615	621	588	906	826	21,451
71	568	707	645	1040	833	691	898	803	1243	1173	1130	1000	1206	1505	3667	5249	3587	37,356
53	4709	3950	2413	1771	1870	1845	1792	1550	1306	1384	1439	1319	1319	1286	1137	948	865	54,696
65	922	901	811	959	991	844	951	798	792	974	746	737	736	779	961	790	513	27,758
69	980	942	892	767	720	739	713	673	702	697	664	652	681	743	804	861	875	25,547
103	718	817	809	934	856	565	328	778	931	906	764	779	795	975	775	739	748	25,608
107	1284	1179	1569	1304	1206	1181	1537	1246	1326	1283	1304	1502	1148	770	907	1599	1440	44,319
60	1398	754	1272	1273	1362	807	959	2049	2046	1242	1236	629	1253	1145	2220	1393	1332	43,902
71	1056	1444	879	733	445	1164	658	1763	1202	71	227	464	806	1020	1020	579	922	54,662
71	900	828	829	841	789	927	1015	1053	1097	1014	1053	901	869	764	692	771	768	28,980

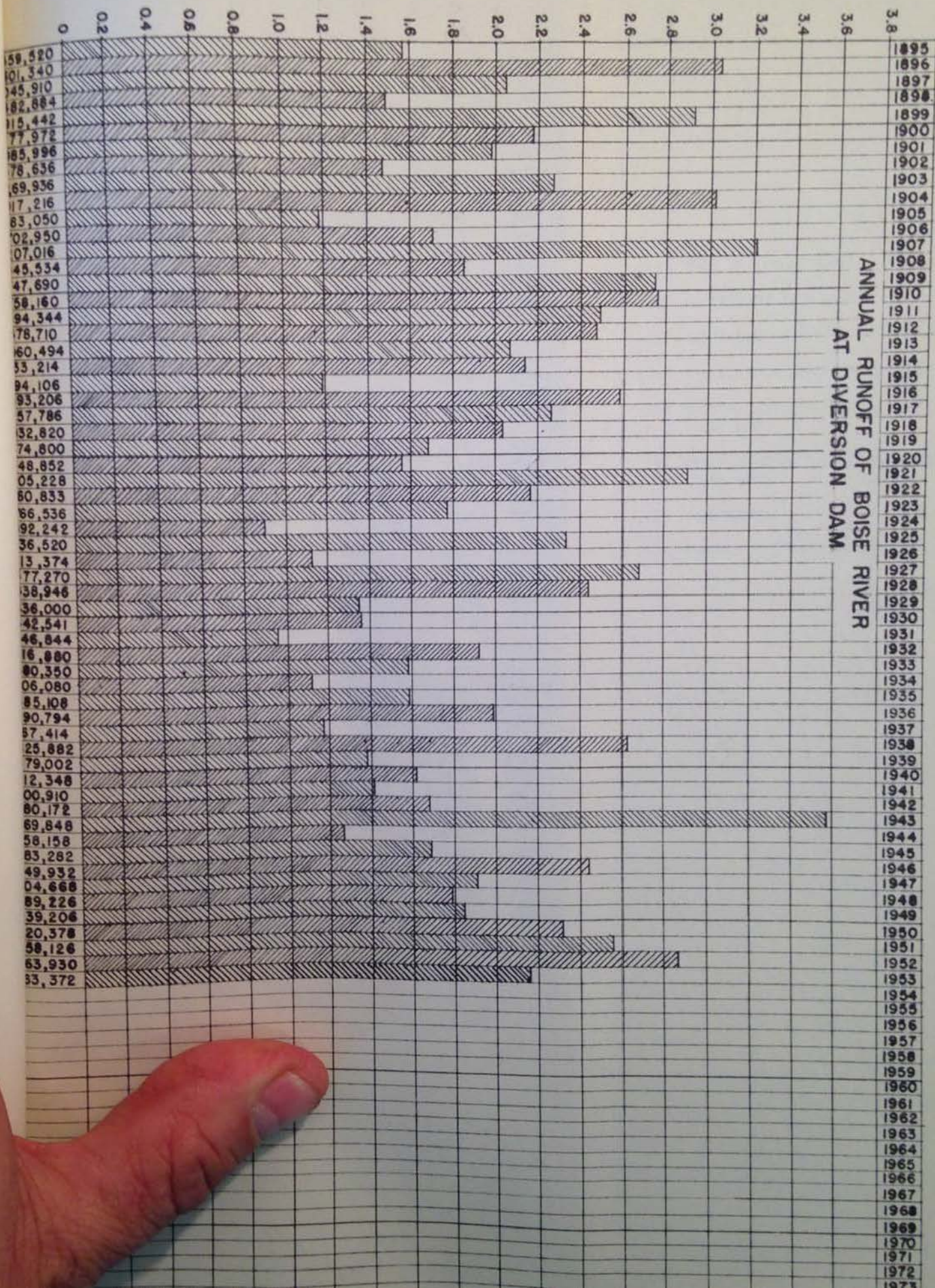
TABLE, IN SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER
FOR A 50-YEAR PERIOD, 1895 TO 1944, INCLUSIVE

CHART NO. 3

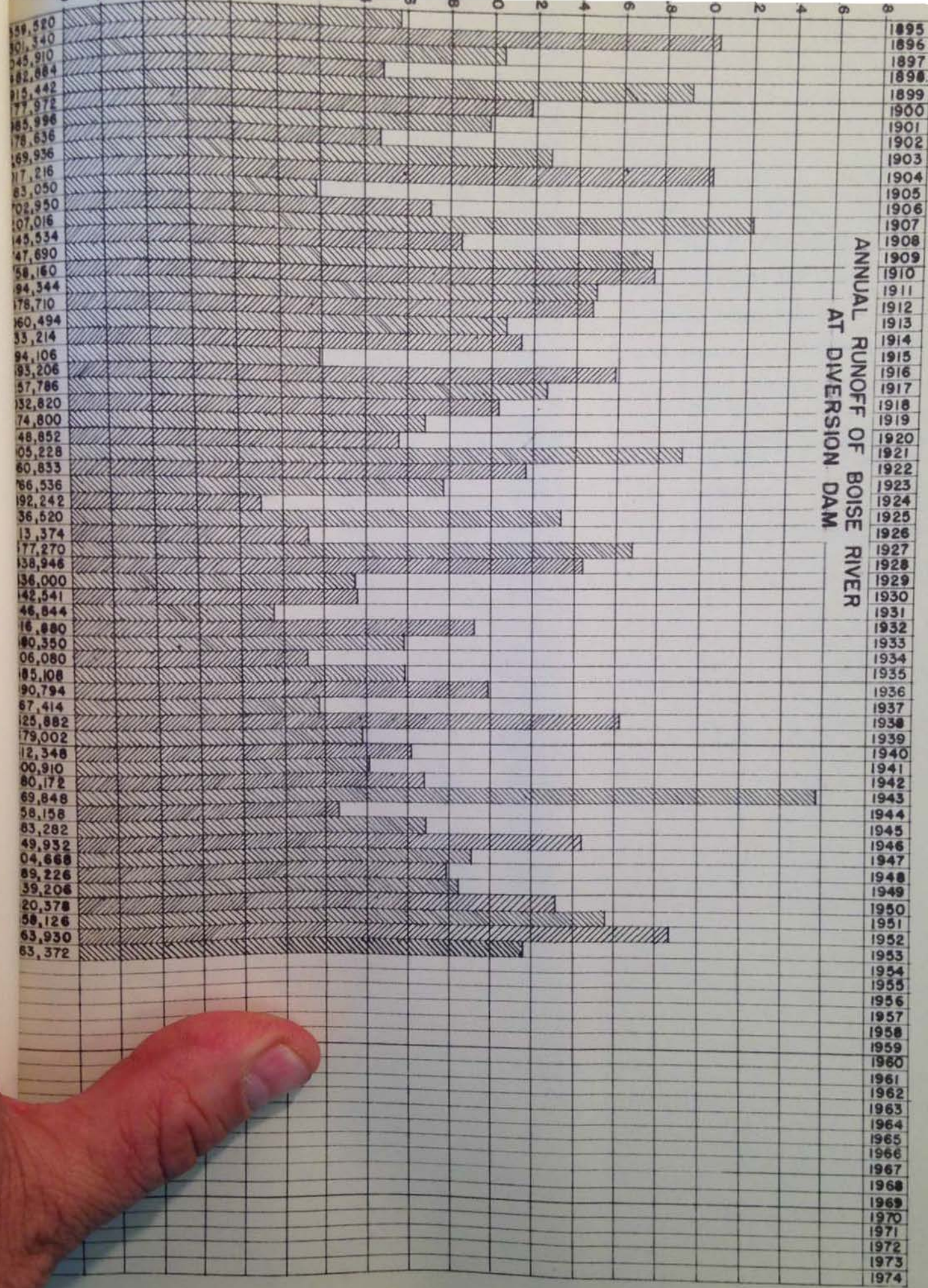
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1.	1172	1100	1579	3764	7022	8239	4219	1215	748	763	899	1152
2.	1131	1095	1611	3387	7107	8147	4101	1144	753	788	911	1168
3.	1139	1126	1675	4151	7155	8105	3940	1142	743	795	968	1139
4.	1114	1135	1671	4240	7369	7961	3784	1123	733	810	916	1175
5.	1089	1218	1715	4258	7510	7808	3630	1089	736	810	957	1090
6.	1067	1220	1766	4274	7710	7706	3425	1053	734	806	964	1073
7.	1075	1207	1770	4314	7990	7827	3296	1033	726	832	949	1050
8.	1031	1308	1887	4535	7935	7931	3198	1012	718	856	936	1009
9.	1002	1277	2004	4745	7995	7934	3077	984	719	849	945	973
10.	1019	1225	1921	5192	8173	7854	2909	943	724	841	989	985
11.	1001	1207	1946	5402	8008	7598	2740	928	737	837	1012	1056
12.	992	1174	2037	5707	7987	7589	2671	932	736	834	966	1202
13.	964	1186	2074	6201	8015	7612	2513	910	744	845	929	1132
14.	1002	1145	2123	6550	8347	7579	2409	896	756	839	957	1068
15.	1061	1162	2188	6731	8333	7389	2286	887	762	864	945	986
16.	1123	1225	2330	6949	8360	7361	2173	872	764	853	1080	974
17.	1097	1244	2365	6886	8338	7167	2050	857	759	894	995	1027
18.	1104	1245	2714	6969	8405	6947	1951	833	749	901	1021	994
19.	1135	1238	2772	6994	8112	6793	1866	835	742	891	991	1049
20.	1165	1264	2950	6605	7909	6559	1769	818	750	882	1045	1026
21.	1202	1302	2975	6556	7745	6266	1695	818	745	888	1123	1053
22.	1187	1367	3048	6696	7731	5981	1623	792	736	866	1228	1038
23.	1197	1385	3093	6775	7803	5736	1595	783	744	890	1364	1042
24.	1171	1424	3085	6950	8002	5490	1546	770	751	886	1258	1084
25.	1227	1390	3183	6941	8130	5198	1533	756	756	874	1211	1076
26.	1195	1364	3177	7200	8400	5041	1452	751	741	873	1162	1054
27.	1154	1445	3320	7304	8395	5169	1400	742	754	886	1117	1074
28.	1126	1524	3365	7248	8128	4720	1359	739	753	894	1041	1106
29.	1112	1215	3572	7112	7972	4590	1312	735	755	896	1044	1148
30.	1081		3652	7053	7987	4378	1287	743	758	888	1103	1103
31.	1100		3660		8293		1230	736		897		1119

RUNOFF IN MILLIONS OF ACRE- FEET

ANNUAL RUNOFF OF BOISE RIVER AT DIVERSION DAM



ANNUAL RUNOFF OF BOISE RIVER AT DIVERSION DAM



TOTAL MONTHLY FI

FOR IRRIGATION

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUN
1894-95	54700(8)	54000	62700	78600	68280	103180	243140	395220	225700
1895-96	57040	54980	50980	73440	67660	157560	295040	555380	146420
1896-97	54220	61300(3)	64600	50520	55240	87960	476000(5)	508000(6)	415000
1897-98	63440	64100	61500(7)	34100	67200	119280	251900	320280	299360
1898-99	53262	56240	151640	160600	79640	113900	425740	606020	731400
1899-00	83664	90000	97000	125420	96440	305220	380020	510720	300640
1900-01	63570	61880	65060	79440	98340	179320	305940	626460	287420
1901-02	56464	53892	76400	61300	90440	88920	211470	353460	287160
1902-03	45630	54498	63474	81760	63570	143360	448220	520620	601880
1903-04	98554	67800(7)	57500	124000(1)	108000(1)	262140	671840	828600	521000
1904-05	58980	54000	54000(7)	50400(2)	56700(2)	101900	176200	229820	247660
1905-06	42980	41010	40410	50810	57240	101100	337920	428100	346180
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	673380	683520	534560
1907-08	57890	55778	63300	67230	63282	141130	382540	370360	324880
1908-09	68440	59280	58000	138160	110680	232840	472120	605240	655220
1909-10	63140	200560	124760	79900	66600	566000	609980	513560	310360
1910-11	63210	73780	76820	63010	76340	159570	323960	549120	740860
1911-12	66570	66700	63520	78420	76120	79580	342620	684180	677560
1912-13	66960	67820	60680	53800	51400	101800	374960	573740	413420
1913-14	63524	80160	61380	71196	74968	216040	469040	553680	307700
1914-15	69680	58368	44800	59580	59726	94762	176564	274130	191900
1915-16	42410	45626	53346	49930	63262	197486	559062	563720	544764
1916-17	59106	54016	53702	47628	47694	61740	267082	654106	643322
1917-18	46004	49506	128592	113818	77754	181542	346040	409954	461268
1918-19	64492	56578	49118	50532	52634	114916	395854	509192	240872
1919-20	47968	56548	52610	66528	66774	89234	189044	449730	333468
1920-21	59966	75678	67106	112422	94098	271472	394484	824032	718728
1921-22	55492	39088	44979	60982	53190	113692	319642	592674	659854
1922-23	52172	48986	52372	62100	50890	92700	273726	454010	376208
1923-24	61992	52930	51286	48954	72446	63550	136450	243200	76792
1924-25	39218	53562	42912	48416	129386	192378	501862	700486	367370
1925-26	58400	51394	63522	48414	64264	140448	232672	247704	109072
1926-27	34882	67640	84790	63200	104630	188084	378928	665294	726002
1927-28	69014	144162	97842	90008	79354	272646	316512	852194	305656
1928-29	49852	50792	46212	45514	49720	101904	179094	359418	215896
1929-30	39356	36848	69543	44774	64368	103616	274178	295246	257302

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACFT FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

RY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL	
	103180	243140	395220	225700	152380	63620	58000	1,559,520	
	157560	295040	555380	1464280	385520	81960	57500	3,301,340	
	87960	476000(5)	506000(6)	415000(5)	143300	67250	62520	2,045,910	
	115280	251900	320280	299360	116848	45708	39168	1,482,884	(1) MEAN
	113900	425740	608020	731400	356160	109940	68900	2,915,442	
	305220	380020	510720	300640	84156	53496	51196	2,177,972	(2) SUBS
	179320	305940	626460	287420	116400	52222	49944	1,985,996	(3) SUBS
	88920	211470	353460	287160	106720	49196	40914	1,478,636	
	143360	448220	520620	601880	147580	53000	46344	2,269,936	(4) MISS
(1)	262140	671840	828600	521060	201920	71972	43830	3,017,216	
(2)	101900	176200	229820	247660	75860	39870	34660	1,183,050	(5) MISS YEA
	101100	337920	428100	346580	162900	52410	41090	1,702,950	
(4)	346120	673380	683520	534560	335640	101600	62066	3,207,016	(6) MISS YEA
2	141130	382540	370360	324880	198500	64920	55524	1,845,534	
	232840	472120	605240	655220	226800	63690	57220	2,747,690	
	566900	609980	513560	310360	110040	55970	56390	2,758,160	(7) INTE
	159570	323460	549120	740860	233040	74906	59728	2,494,344	(8) AVER
	70580	342620	684180	677560	173960	83380	66080	2,478,710	
	131800	374960	573740	413420	158660	82464	54290	2,060,494	
8	216040	469040	553660	307700	124130	58742	52654	2,133,214	
6	94782	176564	274130	191900	83978	40926	39672	1,154,106	
2	197486	555062	563720	544764	293818	80102	53680	2,593,206	
4	61740	267082	654106	643322	260216	65224	43950	2,257,786	
34	181542	346040	409954	461268	112120	56300	49922	2,032,620	
14	114916	395854	509192	240872	69736	36404	34262	1,674,800	
14	89234	189044	449730	333468	117328	40586	39034	1,548,852	
38	271472	394484	824032	718728	175390	63068	48784	2,905,228	
40	113692	319642	552674	659854	148006	65210	47974	2,160,833	
40	92700	273726	454010	376208	192504	67552	42546	1,766,536	
46	63550	136450	243200	76792	35296	24426	25320	892,242	
36	192378	501862	700486	367370	152598	60730	47302	2,336,520	
54	140448	232672	247704	105072	41132	30872	29480	1,113,374	
30	188084	378928	665294	725602	233700	74786	55734	2,677,270	
54	272846	316512	852194	305656	118292	51462	41304	2,438,946	
20	101904	179094	359418	285896	95288	36822	32488	1,336,000	
58	103616	274178	295246	257382	75234	43256	34720	1,342,541	

CHART NO. 4

ISE RIVER - IN ACRE FEET

BEGINNING 1894 - 1895

JULY	AUGUST	SEPTEMBER	TOTAL
2380	63620	58000	1,559,520
5520	81960	57500	3,301,340
3300	67250	62520	2,045,910
6548	45708	39168	1,482,864
6160	109940	68900	2,915,442
31156	53496	51196	2,177,972
6400	52222	49944	1,985,996
6720	49196	40914	1,478,636
17580	53000	46344	2,269,936
01520	71972	43830	3,017,216
78860	39070	34650	1,183,050
62900	52410	41090	1,702,950
35640	101600	62066	3,207,016
98500	64920	55524	1,845,534
26800	63690	57220	2,747,690
10040	55970	56390	2,758,160
33040	74506	59726	2,494,344
73180	83380	66020	2,478,710
95600	82464	54290	2,060,494
24130	56742	52654	2,133,214
83978	40926	39672	1,194,106
93818	60102	53680	2,593,206
60216	65224	43950	2,257,786
12120	56300	49922	2,032,820
69736	36404	34262	1,674,800
17328	40586	39034	1,548,852
75390	63068	48764	2,905,228
49006	65210	47974	2,160,833
92504	67552	42046	1,766,536
35296	24426	25320	892,242
52598	60730	47302	2,336,520
41132	30872	29480	1,113,374
33700	74786	55734	2,677,270
18292	51462	41304	2,438,946
95298	36822	32468	1,336,000
79234	43256	34720	1,342,541

- (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 DULSE P

FOR IRRIGATION YEARS BEGINN

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST
1930-31	54512	45413	44108	44813	45298	91246	177172	251538	110662	34670	23156
1931-32	31424	31224	36376	38612	36756	135826	336006	564176	458224	154298	52212
1932-33	35142	56478	40596	43926	41136	64474	239342	341610	538198	99610	42822
1933-34	41276	47684	55652	79680	79948	151996	249648	229216	86240	37252	22622
1934-35	37058	49444	51208	52256	54336	83150	299458	428528	363262	97334	39027
1935-36	33615	38248	37352	44612	47356	100060	577594	625906	319284	82558	43272
1936-37	39772	36600	41556	37568	41728	89870	207358	381192	178996	60820	25996
1937-38	36266	49828	115760	67492	71566	191026	505100	711314	558138	201292	71120
1938-39	60626	67394	60980	52236	47170	164294	328918	341336	136300	60358	28454
1939-40	40474	38998	49268	53858	75724	201512	355842	434480	227258	64468	31480
1940-41	53168	59764	56634	54260	65368	113448	188300	365336	266776	89332	53206
1941-42	48552	63200	106838	62182	62162	87804	341662	325676	362374	137452	46974
1942-43	42564	64068	81782	153190	116564	235138	1006532	722804	627754	359598	103756
1943-44	61902	70704	55768	49412	52610	68094	154000	303208	247726	106382	43684
1944-45	40828	52198	42902	56270	80144	95160	202368	473146	405996	135608	51316
1945-46	45822	53670	74712	79530	65804	213604	639804	651660	378824	137194	58374
1946-47	67394	72214	109392	60362	87278	181276	289398	545764	297238	114094	43090
1947-48	56244	57582	55516	65522	60480	73396	264424	505792	459706	109372	44612
1948-49	44642	53918	51094	49038	45674	146634	416548	566962	301108	91898	40464
1949-50	49224	55212	51216	63188	71410	154558	409786	559496	540810	241712	74502
1950-51	67520	84952	88638	70656	126136	128158	553712	689842	439576	135690	70696
1951-52	77272	64284	87604	68400	77508	106282	671398	899574	518800	172464	68736
1952-53	51784	48172	54662	101282	88560	126710	330196	403576	583564	254344	72894

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
7172	251538	110862	34670	23156	24046	946,844
5006	564176	458224	154298	52212	41746	1,916,880
9342	341610	538108	99610	42282	35556	1,580,350
2648	229216	88240	37252	22622	24966	1,106,080
2458	428528	363262	97334	39022	30052	1,585,108
7594	625906	319284	82558	43272	40936	1,990,794
7358	381192	178996	60820	25996	25958	1,167,414
5100	711314	558138	201292	71190	46910	2,625,882
8918	341836	136300	60358	28454	30436	1,379,022
5842	434480	227258	64468	31480	38986	1,612,348
9300	365336	266776	83332	53206	41318	1,400,910
1662	325676	362374	137452	46974	35340	1,690,172
5532	722804	627754	359598	103756	56098	3,569,848
1000	303208	247726	106382	43684	34768	1,258,158
2368	473146	405926	139808	51315	39146	1,683,282
2804	651660	378824	137194	58374	45934	2,449,932
7398	545764	297238	114094	43050	37208	1,904,668
1424	505792	459706	109372	44612	36580	1,789,226
5548	566962	301106	91898	40464	31126	1,639,206
7786	559496	540810	241712	74502	49264	2,320,378
3712	689842	439576	195690	70696	42550	2,558,126
1398	899574	518800	172464	68736	51108	2,663,930
0796	403576	583564	254344	72894	47628	2,163,372

DISCHARGE IN SECOND FEET OF BOISE

BY DAYS DURING THE IRRIGATION SEASON OF 19

APRIL

NAME OF CANALS	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NEW YORK CANAL (PC #2)	1397	1475	1782	1934	1929	1929	1992	1777	1791	1810	1570	1616	1712	1905	2220
PENITENTIARY														0	3
BUBB (SOUTH BOISE)					0	4	4	4	9	9	11	11	11	11	11
RIDENBAUGH	169	190	219	226	228	248	243	248	275	291	287	307	392	425	510
SETTLERS												0	30	30	30
THURMAN MILL									0	15	15	15	15	15	18
CRUZEN (CONSUMERS)	6	6	6	6	6	6	6	8	8	8	12	12	12	12	15
BOISE CITY															0
FARMERS UNION & B. V.			72	58	58	77	77	47	79	79	79	79	91	91	114
NEW UNION					0	8	8	8	8	8	8	8	8	8	8
NEW DRY CREEK									0	31	31	31	35	35	35
BALLANTINE					0	8	8	8	11	11	11	13	13	13	13
MIDDLETON CANALS								0	60	53	69	69	93	91	118
LITTLE PIONEER					0	19	19	19	19	17	17	17	17	17	19
CANYON COUNTY									0	34	34	34	34	34	52
EAGLE ISLAND CANALS					0	19	19	19	25	25	25	25	32	32	32
PHYLLIS		0	50	100	132	170	151	160	178	186	221	269	274	307	259
EUREKA # 1												0	15	15	15
CALDWELL HIGH LINE	27	27	27	27	27	27	27	27	27	27	27	27	27	27	37
SEBREE (FARMERS COOP.)					0	111	92	92	115	115	115	126	158	211	225
CAMPBELL					0	8	8	8	8	8	12	12	12	12	12
STEBENBERG									0	6	6	8	8	8	8
RIVERSIDE #2					0	35	29	35	40	44	52	59	65	67	67
PIONEER DIXIE						0	12	12	12	12	12	12	12	20	20
EUREKA #2					0	44	44	44	44	51	51	51	51	51	63
UPPER CENTER POINT														0	8
LOWER CENTER POINT															0
MISCELLANEOUS					0	12	12	12	12	12	16	15	15	16	16
TOTAL CANAL DIVERSIONS	1599	1698	2156	2351	2380	2725	2751	2528	2721	2852	2681	2817	3088	3453	3929
RIVER AT NOTUS	3560	3340	2100	1560	1580	1470	1460	1240	870	720	636	548	553	440	288
TOTALS	5159	5038	4256	3911	3960	4195	4211	3768	3591	3572	3317	3365	3641	3893	4216

X MIDDLETON CANALS INCLUDE - MIDDLETON IRRIGATION ASSOCIATION & MIDDLETON MILL DITCH CO.
 X EAGLE ISLAND CANALS INCLUDE - LEMP DITCH, CONWAY & HAMMING, THOS. AIXEN, CATLIN & MACE, HART & DAVIS, GRAHAM & GILBERT, WARM
 X MISCELLANEOUS CANALS INCLUDE - MEEVES, ROSSI MILL, DAVIS, LITTLE DAVIS & JACOBS OR JULIA DAVIS

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS

CHART NO. 5

BY DAYS DURING THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

APRIL

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
1791	1810	1570	1616	1712	1905	2220	2265	2326	2321	2446	2446	2561	2763	2819	2808	2774	2774
0	9	11	11	11	0	3	3	3	3	3	3	3	3	2	2	3	2
275	291	287	307	392	425	510	527	529	529	535	542	552	532	532	535	530	555
			0	0	30	30	39	39	49	57	65	99	123	142	155	163	169
0	15	15	15	15	15	18	18	18	18	23	23	23	23	23	26	30	30
8	8	12	12	12	12	15	15	15	15	15	15	15	15	15	15	15	15
79	79	79	79	91	91	114	137	122	150	153	164	182	199	222	224	222	224
8	8	8	8	8	8	8	8	0	0	8	10	10	10	12	12	12	12
0	31	31	31	35	35	35	41	41	41	41	50	50	50	50	50	50	50
11	11	11	13	13	13	13	13	13	18	18	18	18	18	18	18	18	18
60	53	69	69	93	91	118	131	118	118	115	131	133	148	198	196	193	191
19	17	17	17	17	17	19	28	28	28	37	37	47	47	47	58	58	37
0	34	34	34	34	34	52	52	52	57	57	63	63	63	63	79	79	79
25	25	25	25	32	32	32	38	38	38	38	38	38	38	38	38	38	38
179	186	221	269	274	307	259	262	313	314	321	329	350	368	382	381	390	394
			0	15	15	15	15	21	33	32	33	37	37	37	38	38	37
27	27	27	27	27	27	37	37	42	42	48	48	48	48	48	48	48	42
115	115	115	126	158	211	225	245	250	279	279	284	299	327	349	340	340	338
8	8	12	12	12	12	12	12	12	16	16	16	16	16	16	16	16	16
0	6	6	8	8	8	8	11	11	11	11	11	11	11	11	13	13	13
40	44	52	59	65	67	67	76	107	110	115	104	131	162	199	223	227	220
12	12	12	12	12	20	20	27	27	35	42	65	65	65	65	65	65	72
44	51	51	51	51	51	63	63	63	63	68	68	68	68	68	77	77	77
					0	8	8	8	12	12	12	18	18	18	24	24	24
					0	0	8	8	8	12	12	17	17	17	22	22	22
12	12	16	16	16	16	16	18	18	18	18	18	20	20	20	20	20	21
2721	2852	2681	2817	3088	3453	3928	4129	4264	4363	4557	4644	4913	5229	5453	5525	5507	5513
870	720	636	548	553	440	288	200	251	586	660	738	654	542	510	619	548	465
3591	3572	3317	3365	3641	3893	4216	4329	4515	4949	5217	5382	5567	5771	5963	6144	6055	5978

L DITCH CO.

STLIN & MACE, HART & DAVIS, GRAHAM & GILBERT, WARM SPRINGS SLOUGH, JOPLIN & SEVEN SUCKERS
COBBS OR JULIA DAVIS

VALLEY CANALS

CHART NO. 5

53, INCLUDING STORAGE

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
0	2265	2326	2321	2446	2446	2561	2763	2819	2808	2774	2774	2796	2796	2757	2808		66299
3	3	3	3	3	3	3	3	2	2	3	2	3	3	3	3		45
1	11	13	13	13	13	13	13	13	13	13	13	13	13	15	15		282
0	527	529	529	535	542	552	532	532	535	530	555	568	511	489	489		12213
0	39	39	49	57	65	99	123	142	155	163	169	169	148	140	140		1757
8	18	18	18	23	23	23	23	23	26	30	30	33	33	33	33		480
5	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15		354
0	21	24	24	24	26	26	27	29	29	29	30	30	30	31	31		411
4	137	122	150	153	164	182	199	222	224	222	224	240	226	226	216		3908
8	8	0	0	8	10	10	10	12	12	12	12	12	12	12	12		222
35	41	41	41	41	50	50	50	50	50	50	50	47	47	47	44		897
13	13	13	18	18	18	18	18	18	19	18	18	18	18	18	19		369
18	131	118	118	115	131	133	148	138	136	193	191	179	181	181	181		2947
19	28	28	28	37	37	47	47	47	58	58	37	37	28	28	28		753
52	52	52	57	57	63	63	63	63	79	79	79	71	71	71	71		1213
32	38	38	38	38	38	38	38	38	38	38	38	38	38	38	38		823
59	262	318	314	321	329	350	368	382	381	390	394	394	0	124	271		7055
15	15	21	33	32	33	37	37	37	38	38	37	37	0	27	34		486
37	37	42	42	48	48	48	48	48	48	48	42	42	42	42	42		1082
25	245	250	279	279	264	299	327	349	340	340	338	332	332	325	316		5995
2	12	12	16	16	16	16	16	16	16	16	16	16	12	12	16		324
8	11	11	11	11	11	11	11	11	13	13	13	13	17	17	17		235
67	76	107	110	115	104	131	162	199	223	227	220	220	226	226	226		3065
20	27	27	35	42	65	65	65	65	65	65	72	72	72	72	72		1005
63	63	63	63	68	68	68	68	68	77	77	77	77	74	74	74		1553
8	8	8	12	12	12	18	18	18	24	24	24	24	28	28	28		294
0	8	8	8	12	12	17	17	17	22	22	22	24	24	24	24		261
16	18	18	18	18	18	20	20	20	20	20	21	22	22	22	22		439
28	4129	4264	4363	4557	4644	4913	5229	5453	5525	5507	5513	5542	5019	5097	5284		114767
88	200	251	586	660	738	654	542	510	619	548	465	563	1480	1820	1570		31571
16	4329	4515	4949	5217	5382	5567	5771	5963	6144	6055	5978	6105	6499	6917	6854		146338

WARM SPRINGS SLOUGH, JOPLIN & SEVEN SUCKERS

DISCHARGE IN SECOND

BY DAYS DURING THE IRRIGATION

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL (MC #2)	2713	2640	2606	2606	2628	2718	2785	2875	2802	2830	2841	2830	2830	2830	2830	2830
PENITENTIARY	3	3	3	8	11	11	11	12	12	11	12	12	12	12	12	12
SUBB (SOUTH BOISE)	15	15	16	16	16	18	18	18	18	18	15	15	15	15	15	15
RILEYBAUGH	491	491	537	534	560	565	560	555	556	557	555	560	567	561	566	567
SETTLERS	141	141	155	156	188	188	188	188	188	188	183	183	188	191	202	202
THURMAN MILL	33	36	39	39	39	39	39	39	39	39	39	39	39	39	39	39
CRUZEN (CONSUMERS)	18	18	18	18	18	18	18	18	20	20	20	20	20	20	20	22
BOISE CITY	30	30	29	31	31	31	31	30	30	30	30	30	30	29	31	31
FARMERS UNION & B. V.	216	217	231	243	248	255	255	255	255	255	255	255	263	263	263	256
NEW UNION	12	12	14	14	14	14	14	16	15	16	16	16	16	16	16	16
NEW DRY CREEK	45	45	45	46	54	62	62	70	62	58	46	46	50	59	65	70
BALLANTINE	21	21	21	21	21	21	23	23	23	23	23	23	23	23	23	23
MIDDLETON CANALS	171	153	153	146	210	220	217	215	215	217	220	220	222	221	220	221
LITTLE PIONEER	24	33	21	21	24	38	38	41	38	28	28	42	62	60	60	39
CANYON COUNTY	71	71	71	71	71	74	74	74	74	76	76	76	80	76	76	71
X EAULE ISLAND CANALS	47	47	47	47	47	47	47	47	47	47	48	48	48	48	48	54
PHYLLIS	325	328	330	350	357	394	391	390	379	359	339	378	360	366	366	378
EUREKA # 1	35	35	35	36	38	39	39	38	38	37	38	38	38	39	39	39
CALDWELL HIGH LINE	45	46	46	47	47	48	66	67	68	69	70	71	71	71	71	71
SEUREE (FARMERS COOP.)	317	314	311	317	314	329	329	329	327	307	307	307	330	330	330	330
CAMPBELL	18	21	21	21	21	21	21	21	20	20	20	20	25	25	25	25
SIEBENBERG	21	21	21	21	21	21	17	14	14	14	14	14	14	14	14	8
RIVERSIDE # 2	221	221	204	198	198	194	181	181	186	186	182	187	137	183	183	183
PIONEER DIXIE	83	83	94	94	94	94	83	83	73	73	77	77	77	81	81	81
EUREKA # 2	75	75	75	75	75	75	68	68	63	63	63	63	73	73	73	81
UPPER CENTER POINT	28	28	28	28	24	24	24	21	21	21	21	21	18	18	18	18
LOWER CENTER POINT	24	22	22	22	22	22	22	18	18	18	13	13	22	22	22	22
X MISCELLANEOUS	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
TOTAL CANAL DIVERSIONS	5268	5193	5218	5261	5416	5605	5646	5731	5627	5605	5581	5634	5705	5713	5733	5729
RIVER AT NOTUS	1390	1220	1080	916	619	505	480	660	870	974	834	780	762	660	654	708
TOTALS	6658	6413	6298	6177	6035	6110	6126	6391	6497	6579	6415	6414	6467	6373	6387	6437

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS

CHART NO. 5-A

BY DAYS DURING THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

MAY

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
30	2841	2830	2830	2830	2830	2830	2830	1740	1740	2662	2684	2662	2540	2446	2332	2190	2230	2190	1690	1216	1216
11	12	12	12	12	12	12	12	0	12	10	9	9	7	7	6	6	5	4	3	3	3
13	15	15	15	15	15	15	15	15	18	18	15	15	13	13	11	11	11	11	11	11	11
57	595	560	567	561	566	567	564	567	540	513	499	497	465	462	473	447	443	423	336	330	328
88	183	183	188	191	202	202	202	202	159	159	149	149	149	149	136	105	99	99	99	76	76
39	39	39	39	39	39	39	39	39	15	39	39	34	34	24	24	24	18	18	18	18	18
20	20	20	20	20	20	22	22	11	22	22	22	18	18	18	18	15	15	15	15	15	15
30	30	30	30	29	31	31	32	32	32	29	26	26	23	23	24	24	24	23	23	23	23
55	255	255	263	263	263	256	261	219	222	222	222	212	212	212	212	212	222	222	176	148	148
16	16	16	16	16	16	16	16	8	16	16	16	16	12	12	12	12	12	12	12	12	12
58	46	46	50	59	65	70	72	66	64	66	67	69	64	63	63	64	64	66	53	54	54
23	23	23	23	23	23	23	23	23	11	22	22	22	22	22	18	18	18	18	18	18	18
17	220	220	222	221	220	221	217	219	217	210	208	208	208	215	217	217	220	220	225	225	227
28	28	42	62	60	60	39	37	45	47	55	27	22	21	21	21	21	19	19	19	19	18
76	76	76	80	76	76	71	71	71	37	90	90	90	90	90	90	63	63	36	36	36	36
47	48	48	48	48	48	54	54	54	54	54	54	54	54	54	54	54	38	38	38	28	28
359	339	378	360	366	366	378	373	373	297	235	302	246	228	230	229	217	202	188	180	45	44
37	38	38	38	39	39	39	39	39	34	34	37	33	29	27	28	25	21	23	14	14	12
69	70	71	71	71	71	71	71	71	71	71	48	48	34	34	34	34	34	34	34	27	27
307	307	307	330	330	330	330	333	333	313	299	284	281	255	220	205	207	205	205	209	151	150
20	20	20	25	25	25	25	25	25	25	23	23	23	21	21	16	16	15	16	12	8	8
14	14	14	14	14	14	8	8	8	8	8	14	14	14	14	14	8	8	8	6	6	6
186	182	187	187	183	183	183	183	183	187	182	182	182	182	150	150	129	77	74	83	83	83
73	77	77	77	81	81	81	81	81	77	77	77	77	67	67	67	67	43	43	34	34	34
63	63	63	73	73	73	81	81	81	81	81	81	81	81	81	77	63	63	63	63	63	63
21	21	21	18	18	18	18	21	21	21	18	18	18	18	18	18	21	21	18	18	18	18
19	18	18	22	22	22	22	22	22	18	18	18	18	18	18	18	15	15	15	12	12	12
25	25	25	25	25	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26
505	5581	5634	5705	5713	5733	5729	5729	4572	4373	5268	5259	5150	4915	4747	4603	4311	4232	4127	3463	2719	2724
974	834	780	762	660	654	708	798	822	826	3250	3870	3890	3870	3990	3900	3920	4550	4780	6200	6470	6150
579	6415	6414	6467	6373	6387	6437	6527	5394	5199	8518	9129	9040	8785	8737	8503	8231	8782	8907	9663	9189	8884

RGE IN SECOND FEET OF BOISE VALLEY CANALS

CHART NO. 5-A

THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

MAY

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
10	2830	2830	2830	1740	1740	2662	2684	2662	2540	2446	2332	2190	2230	2190	1690	1216	1216	76562
2	12	12	12	0	12	10	9	9	7	7	6	6	5	4	3	3	3	253
5	15	15	15	15	18	18	15	15	13	13	11	11	11	11	11	11	11	458
8	566	567	564	567	540	513	499	497	465	462	473	447	443	423	336	330	328	15672
11	202	202	202	202	159	159	149	149	149	149	136	105	99	99	99	76	76	4908
14	39	39	39	39	15	39	39	34	34	24	24	24	18	18	18	18	18	1016
17	20	22	22	11	22	22	22	18	18	18	18	15	15	15	15	15	15	567
20	31	31	32	32	32	29	26	26	23	23	24	24	24	23	23	23	23	871
23	263	256	261	218	222	222	222	212	212	212	212	212	222	222	176	148	148	7106
26	16	16	16	8	16	16	16	16	12	12	12	12	12	12	12	12	12	434
29	65	70	72	66	64	66	67	69	64	63	63	64	64	66	53	54	54	1834
32	23	23	23	23	11	22	22	22	22	22	18	18	18	18	18	18	18	649
35	220	221	217	219	217	210	208	208	208	215	217	217	220	220	225	225	227	6494
38	60	39	37	45	47	55	27	22	21	21	21	21	19	19	19	19	18	1008
41	76	76	71	71	71	90	90	90	90	90	90	63	63	36	36	36	36	2171
44	48	54	54	54	54	54	54	54	54	54	54	54	38	38	38	28	28	1474
47	366	378	373	373	297	235	302	246	228	230	229	217	202	188	180	45	44	9179
50	39	39	39	39	34	34	37	33	29	27	28	25	21	23	14	14	12	1010
53	71	71	71	71	71	71	48	48	34	34	34	34	34	34	34	27	27	1646
56	330	330	333	333	313	299	284	281	255	220	205	207	205	205	209	151	150	8788
59	25	25	25	25	25	23	23	23	21	21	16	16	15	16	12	8	8	623
62	14	14	8	8	8	8	14	14	14	14	14	8	8	8	6	6	6	407
65	183	183	183	183	187	182	182	182	182	150	150	129	77	74	83	83	83	5215
68	81	81	81	81	77	77	77	77	67	67	67	67	43	43	34	34	34	2254
71	73	81	81	81	81	81	81	81	81	81	77	63	63	63	63	63	63	2241
74	18	18	18	21	21	21	18	18	18	18	18	21	21	18	18	18	18	646
77	22	22	22	22	22	18	18	18	18	18	18	15	15	15	12	12	12	585
80	25	25	25	25	25	25	26	26	26	26	26	26	26	26	26	26	26	786
83	5733	5729	5729	4572	4373	5268	5259	5150	4915	4747	4603	4311	4232	4127	3463	2719	2724	154857
86	654	708	798	822	826	3250	3870	3890	3870	3990	3900	3920	4550	4780	6200	6470	6150	70408
89	6387	6437	6527	5394	5199	8518	9129	9040	8785	8737	8503	8231	8782	8907	9663	9189	8884	225265

DISCHARGE IN SECOND FEET
BY DAYS DURING THE IRRIGATION SEAS

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL (MC #2)	1216	0	0	0	230	330	330	330	363	642	860	1388	373	584	576	1297
PENITENTIARY	3	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1
BUBB (SOUTH BOISE)	11	11	8	8	8	8	8	8	7	7	7	7	7	7	7	7
RIDENBAUGH	332	214	225	215	270	276	270	272	272	272	272	273	318	310	371	423
SETTLERS	76	58	58	58	58	58	58	58	58	58	58	58	58	58	70	93
THURMAN MILL	18	18	18	19	11	11	11	11	11	11	11	11	0	0	0	0
CRUZEN (CONSUMERS)	15	15	15	15	15	15	11	11	11	11	11	11	15	15	15	15
BOISE CITY											0	20	20	20	23	23
FARMERS UNION & B.V.	144	128	128	128	122	122	122	111	111	111	111	111	111	111	124	126
NEW UNION	12	12	12	12	12	8	8	8	8	8	8	8	8	13	13	13
NEW DRY CREEK	49	49	50	50	51	51	53	53	0	0	0	35	36	36	39	51
BALLANTINE	18	18	17	17	17	17	17	17	17	17	17	17	17	17	17	15
MIDDLETON CANALS	141	142	145	145	143	142	141	162	163	158	157	154	153	151	140	136
LITTLE PIONEER	18	18	18	15	15	15	15	11	8	8	8	8	8	21	21	21
CANYON COUNTY	34	34	22	22	22	22	22	22	22	22	22	22	22	22	34	54
EAGLE ISLAND CANALS	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
PHYLLIS	34													0	15	29
EUREKA #1	9													0	14	21
CALDWELL HIGH LINE	27	27	27	27											0	48
SEBREE (FARMERS COOP.)	169	151	151	162	157	167	162	158	162	152	174	187	200	200	227	239
CAMPBELL	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	8
SIEBENBERG																0
RIVERSIDE #2	69	69	69	69	69	53	60	25	25	25	107	134	123	94	94	134
PIONEER DIXIE	34	34	34	34	34	34	27	27	27	27	27	0	0	0	0	0
EUREKA #2	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68	68
UPPER CENTER POINT	8	8	4	4	4	4	4	4	0							0
LOWER CENTER POINT	12	12	8	8	0											
MISCELLANEOUS	18	13	12	12	8	8	8	8	8	8	11	18	18	18	18	21
TOTAL CANAL DIVERSIONS	2569	1138	1123	1122	1359	1444	1430	1399	1376	1650	1966	2566	1591	1781	1523	2871
RIVER AT NOTUS	6120	6740	7490	6910	6530	6390	6580	6700	6580	6430	6810	6640	7080	6930	6680	6320
TOTALS	8689	7878	8613	8032	7889	7834	8010	8099	7956	8080	8776	9206	8671	8711	8603	9191

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS

CHART NO. 5-8

BY DAYS DURING THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

JUNE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
642	860	1388	373	584	576	1297	1314	1814	2165	2394	2550	2711	2886	2836	2830	2830	2830	2841	2863	2857
0	2	1	1	1	1	1	1	1	1	2	2	6	7	7	7	12	12	12	12	13
7	7	7	7	7	7	7	7	7	7	11	11	12	12	12	14	14	14	16	16	16
272	272	273	318	310	371	423	436	484	498	484	515	530	547	547	564	557	581	581	593	588
58	58	58	58	58	70	93	111	111	130	142	162	152	173	186	138	192	197	202	202	202
11	11	11	0	0	0	0	11	11	18	23	33	39	39	39	39	39	41	41	41	41
11	11	11	15	15	15	15	15	15	15	15	15	17	17	17	17	17	17	17	17	17
0	0	20	20	20	23	23	27	30	32	32	32	31	31	31	32	32	33	33	34	35
111	111	111	111	111	124	126	138	169	190	205	229	229	241	242	243	244	245	252	253	254
8	8	8	8	13	13	13	13	13	13	13	13	15	15	15	15	15	15	15	15	15
0	0	35	36	36	39	51	53	53	70	70	72	78	77	78	77	74	77	76	78	77
17	17	17	17	17	17	15	15	15	15	15	17	17	17	16	16	15	13	13	14	14
158	157	154	153	151	140	136	135	120	119	118	114	123	119	118	119	119	114	109	84	93
8	8	8	8	21	21	21	21	21	39	38	53	54	64	64	60	54	66	66	66	61
22	22	22	22	22	34	54	54	88	92	107	102	99	99	99	94	94	94	82	82	82
28	28	28	28	28	28	28	41	44	44	44	44	44	54	54	54	54	54	54	55	55
				0	16	29	108	135	209	292	288	304	353	361	378	358	407	440	449	437
				0	14	21	24	29	29	31	33	36	38	37	38	37	37	36	37	43
				0	48	48	56	56	70	70	70	70	75	75	75	75	75	71	66	76
162	174	187	200	200	227	239	255	284	293	301	303	325	350	358	358	359	359	350	347	349
7	7	7	7	7	7	8	8	12	17	21	17	17	18	18	13	18	18	19	19	19
						0	8	8	8	6	6	6	8	9	11	11	11	9	8	8
25	107	134	123	94	94	134	134	203	203	229	227	234	230	188	153	183	207	207	213	221
27	27	0	0	0	0	0	0	27	27	27	0	0	0	52	77	81	81	81	81	81
68	68	68	68	68	68	68	68	73	81	81	81	81	92	95	95	95	91	91	94	73
0						0	8	10	12	12	12	15	15	25	25	25	25	25	26	26
						0	9	9	12	15	15	18	18	18	21	21	21	21	22	22
8	8	11	13	18	18	21	21	23	25	29	29	29	29	29	31	31	31	31	31	31
1650	1966	2566	1591	1781	1923	2871	3577	3915	4117	4824	5045	5289	5619	5626	5656	5656	5766	5791	5818	5806
6430	6810	6640	7080	6930	6680	6320	6490	6510	6910	7230	7040	6660	6370	6260	6120	4820	2390	1300	1040	942
8080	8776	9206	8671	8711	8603	9191	10067	10425	11327	12054	12085	11949	11989	11886	11776	10476	8156	7091	6858	6748

IN SECOND FEET OF BOISE VALLEY CANALS

CHART NO. 5-B

THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

JUNE

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
584	576	1297	1814	1814	2165	2394	2550	2711	2886	2836	2830	2830	2830	2841	2863	2857	44740
1	1	1	1	1	1	2	2	6	7	7	7	12	12	12	12	13	105
7	7	7	7	7	7	11	11	12	12	12	14	14	14	16	16	16	295
310	371	423	436	484	498	484	515	530	547	547	564	557	581	581	593	588	12090
58	70	93	111	111	130	142	162	152	173	186	188	192	197	202	202	202	3343
0	0	0	11	11	18	23	33	39	39	39	39	39	41	41	41	41	615
15	15	15	15	15	15	15	15	17	17	17	17	17	17	17	17	17	444
20	23	23	27	30	32	32	32	31	31	31	32	32	33	33	34	35	551
111	124	126	138	169	190	205	229	229	241	242	243	244	245	252	253	254	5055
13	13	13	13	13	13	13	13	15	15	15	15	15	15	15	15	15	363
36	39	51	53	53	70	70	72	78	77	78	77	74	77	76	78	77	1613
17	17	15	15	15	15	15	17	17	17	16	16	15	13	13	14	14	484
151	140	136	135	120	119	118	114	123	119	118	119	119	114	109	84	93	3977
21	21	21	21	21	39	38	53	54	64	64	60	54	66	66	66	61	957
22	34	54	54	88	92	107	102	99	99	99	94	94	94	82	82	82	1688
28	28	28	41	41	44	44	44	44	54	54	54	54	54	54	55	55	1146
0	16	29	108	135	209	292	288	304	353	361	378	358	407	440	449	437	4648
0	14	21	24	29	29	31	33	36	38	37	38	37	37	36	37	43	529
0	0	48	48	56	56	70	70	70	70	75	75	75	75	71	66	76	1109
200	227	239	255	284	293	301	303	325	350	358	358	359	359	350	347	349	7429
7	7	8	8	12	17	21	17	17	18	18	13	18	18	19	19	19	347
0	0	0	8	8	8	6	6	6	8	9	11	11	11	9	8	8	117
94	94	134	134	203	203	229	227	234	230	188	163	183	207	207	213	221	4061
0	0	0	0	27	27	27	0	0	0	52	77	81	81	81	81	81	954
68	68	68	68	73	81	81	81	81	92	95	95	95	91	91	94	73	2279
0	0	0	8	10	12	12	12	15	15	25	25	25	25	25	26	26	301
0	0	0	0	9	9	12	15	15	18	13	18	21	21	21	22	22	261
18	18	21	21	23	25	29	29	29	29	29	31	31	31	31	31	31	612
1761	1923	2871	3577	3915	4417	4824	5045	5289	5619	5626	5656	5656	5766	5791	5818	5806	100113
6930	6690	6320	6490	6510	6910	7230	7040	6660	6370	6260	6120	4820	2390	1300	1040	942	177012
8711	8603	9191	10067	10425	11327	12054	12085	11949	11989	11866	11776	10476	8156	7091	6858	6743	277125

DISCHARGE IN SECOND F

BY DAYS TURNING THE IRRIGATION

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL (MC #2)	2841	2808	2830	2836	2836	2797	2836	2797	2824	2808	2808	2785	2814	2824	2814	2847
PENITENTIARY	13	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
BURB (SOUTH BOISE)	15	15	16	14	14	14	14	14	14	14	14	14	15	16	15	15
RIDENBAUGH	591	595	593	595	600	602	603	591	589	587	594	596	592	597	601	595
SETTLERS	201	200	198	200	198	199	197	197	196	200	199	197	196	197	197	196
THURMAN MILL	43	43	43	41	41	39	39	39	38	38	37	36	36	35	35	35
ORUZEN (CONSUMERS)	19	19	19	19	19	22	22	22	22	22	22	22	21	18	18	18
BOISE CITY	35	35	35	35	35	34	34	34	34	34	34	34	34	34	34	34
FARMERS UNION & B. V.	256	257	257	257	260	260	262	262	263	262	261	260	259	262	262	262
NEW UNION	18	18	21	21	21	21	21	21	18	18	18	18	17	17	17	17
NEW DRY CREEK	79	75	73	77	76	73	67	81	78	73	73	73	73	73	74	75
BALLANTINE	17	17	17	20	20	20	20	18	18	15	15	15	0	0	0	12
MIDDLETON CANALS	227	210	215	205	226	227	219	216	213	210	205	205	195	193	183	189
LITTLE PIONEER	67	55	51	57	65	55	56	59	55	50	45	46	37	0	0	41
CANYON COUNTY	94	94	94	94	92	92	92	92	92	88	88	79	79	79	74	74
EAGLE ISLAND CANALS	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
PHYLLIS	440	431	448	446	436	442	430	447	453	440	452	444	434	407	431	435
EUREKA #1	40	45	44	44	44	44	46	43	39	40	40	40	36	41	37	37
CALDWELL HIGH LINE	65	61	56	61	56	50	45	42	42	35	32	28	22	22	48	48
SEEDS (FARMERS COOP.)	356	363	365	365	366	366	366	369	369	372	374	372	372	370	369	368
CAMPBELL	21	23	21	21	21	23	24	25	25	25	24	24	24	24	24	25
STEBENBERG	9	9	9	9	7	7	9	9	11	11	15	15	15	22	22	17
RIVERSIDE #2	207	209	209	209	209	209	205	215	217	219	219	219	215	215	223	240
PIONEER LIXIL	81	79	79	79	79	79	79	67	67	67	67	67	67	67	54	54
EUREKA #2	0	0	94	94	94	94	116	117	117	116	94	94	94	94	94	94
UPPER CENTER POINT	0	0	26	26	26	28	28	32	32	32	28	28	29	29	29	29
LOWER CENTER POINT	22	22	24	24	24	24	24	30	30	30	30	30	28	28	24	24
MISCELLANEOUS	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33
TOTAL CANAL DIVERSIONS	5253	5791	5944	5958	5974	5924	5961	5946	5963	5913	5899	5848	5814	5771	5793	5889
RIVER AT NOTUS	1480	1690	1360	1080	1230	1310	1160	1270	1220	1070	956	816	646	536	385	410
TOTALS	7333	7681	7304	7038	7204	7304	7121	7216	7183	6983	6795	6664	6462	6307	6178	6299

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

JULY

	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
1	2808	2808	2785	2814	2824	2814	2847	2814	2841	2830	2847	2824	2824	2841	2847	2824	2847	2847	2814	2740	2751
2	12	12	12	12	12	12	12	12	12	12	9	8	7	6	6	6	6	11	11	11	11
4	14	14	14	15	16	15	15	16	16	16	14	14	14	14	14	14	17	17	17	17	17
9	587	594	596	592	597	601	595	618	595	597	585	602	585	585	584	570	553	558	539	531	531
6	200	199	197	196	197	197	196	195	193	193	193	193	193	192	193	192	192	192	189	187	187
8	38	37	36	36	35	35	35	35	35	35	33	33	33	33	33	33	25	25	25	25	25
2	22	22	22	21	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20	20
4	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	34	36	35	35	35	35
3	262	261	260	259	262	262	262	262	262	259	258	258	258	258	258	258	258	257	256	229	228
18	18	18	18	17	17	17	17	17	18	18	18	18	18	21	21	21	21	21	21	21	18
78	73	73	73	73	73	74	75	76	77	76	68	71	70	70	70	67	67	68	68	68	68
18	15	15	15	0	0	6	12	17	17	17	26	26	26	13	13	13	13	13	12	26	26
13	210	205	205	195	193	183	189	192	203	128	203	195	197	191	206	196	190	191	184	161	179
55	50	49	46	37	0	0	11	45	45	45	44	41	27	46	51	50	50	48	49	46	37
92	88	88	79	79	79	74	74	102	102	105	105	109	109	109	102	88	88	88	88	88	82
62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	63	63	63	63
53	440	452	444	434	407	431	435	427	454	428	406	412	413	413	407	403	398	395	383	376	376
39	40	40	40	38	41	37	37	37	38	40	42	42	43	43	43	43	42	42	43	43	43
42	35	32	28	22	22	48	48	45	45	43	43	43	43	43	43	43	43	39	39	43	43
69	372	374	372	372	370	369	368	369	366	367	366	365	363	360	358	356	347	340	335	342	340
25	25	24	24	24	24	24	25	25	25	26	26	26	26	23	23	23	23	23	23	23	23
11	11	15	15	15	22	22	17	17	17	12	12	12	0	0	6	6	12	12	12	16	16
17	219	219	219	215	215	223	240	258	260	260	260	258	241	239	255	255	253	253	237	220	219
67	67	67	67	67	67	54	54	54	54	54	54	54	53	53	57	57	57	57	57	57	61
17	116	94	94	94	94	94	94	94	94	94	93	93	93	92	92	92	92	92	92	92	92
32	32	28	28	29	29	29	29	32	33	33	31	31	34	31	28	28	28	24	24	20	20
30	30	30	30	28	28	24	24	24	24	24	0	23	23	24	25	30	30	27	27	22	22
33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	33	34	34	34	34	34
63	5913	5899	5848	5814	5771	5793	5889	5932	5975	5861	5885	5900	5842	5849	5886	5820	5804	5792	5698	5576	5567
20	1070	896	816	648	536	385	410	400	410	348	370	356	400	338	321	352	352	380	348	352	321
183	6983	6795	6664	6462	6307	6178	6299	6332	6385	6209	6255	6256	6242	6187	6207	6172	6156	6172	6046	5928	5888

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
 DURING THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

JULY

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	2824	2814	2847	2814	2841	2830	2847	2824	2824	2841	2847	2824	2847	2847	2814	2740	2751	2578	87174
2	12	12	12	12	12	12	9	8	7	6	6	6	6	11	11	11	11	11	332
3	16	16	16	16	16	16	14	14	14	14	14	14	17	17	17	17	17	17	472
4	597	601	595	618	595	597	585	602	585	585	584	570	553	558	539	531	531	534	18088
5	197	197	196	195	193	193	193	193	193	192	193	192	192	192	189	187	187	186	6038
6	35	35	35	35	35	35	33	33	33	33	33	33	25	25	25	25	25	25	1071
7	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20	622
8	34	34	34	34	34	34	34	34	34	34	34	34	36	35	35	35	35	35	1066
9	262	262	262	262	262	259	258	258	258	258	258	258	258	257	256	229	228	226	7947
10	17	17	17	17	18	18	18	18	18	21	21	21	21	21	21	21	18	18	592
11	73	74	75	78	77	76	68	71	70	70	70	67	67	68	68	68	68	68	2247
12	0	6	12	17	17	17	26	26	26	13	13	13	13	13	13	26	26	26	515
13	193	183	189	192	203	128	203	195	197	191	208	199	190	191	184	181	179	179	6158
14	0	0	41	45	45	45	44	41	27	46	51	50	50	48	49	46	37	31	1398
15	79	74	74	102	102	105	105	109	109	109	102	88	88	88	88	88	82	77	2839
16	62	62	62	62	62	62	62	62	62	62	62	62	62	63	63	63	63	63	1927
17	407	431	435	427	454	428	406	412	413	413	407	403	398	395	383	376	376	355	13064
18	41	37	37	37	38	40	42	42	43	43	43	43	42	42	43	43	43	40	1286
19	22	48	48	45	45	43	43	43	43	43	43	43	43	39	39	43	43	43	1354
20	370	369	368	369	366	367	366	365	363	360	358	356	347	340	335	342	340	340	11196
21	24	24	25	25	25	26	26	26	26	23	23	23	23	23	23	23	23	23	735
22	22	22	17	17	17	12	12	12	0	0	6	6	12	12	12	16	16	16	362
23	215	223	240	258	260	260	260	258	241	239	255	255	253	253	237	220	219	212	7115
24	67	54	54	54	54	54	54	54	53	53	57	57	57	57	57	57	61	64	1975
25	94	94	94	94	94	94	93	93	93	92	92	92	92	92	92	92	92	92	2795
26	29	29	29	32	33	33	31	31	34	31	28	28	28	24	24	20	20	20	821
27	28	24	24	24	24	24	0	23	23	24	25	30	30	27	27	22	22	22	765
28	33	33	33	33	33	33	33	33	33	33	33	33	34	34	34	34	34	34	1029
29	5771	5793	5889	5932	5975	5861	5885	5900	5842	5849	5886	5820	5804	5792	5698	5576	5567	5355	180983
30	536	385	410	400	410	348	370	356	400	338	321	352	352	380	348	352	321	269	22148
31	6307	6176	6299	6332	6385	6209	6255	6256	6242	6187	6207	6172	6156	6172	6046	5928	5888	5624	203131

DISCHARGE IN SECOND FEET
BY DAYS DURING THE IRRIGATION SEASON
AUGUST

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL (MC #2)	2550	2578	2556	2519	2540	2342	2378	2337	2446	2446	2540	2530	2651	2584	2625	2606
PENITENTIARY	11	11	11	11	10	10	10	10	10	11	6	6	6	6	6	6
BURB (SOUTH BOISE)	15	15	15	15	15	15	15	15	15	14	12	12	12	12	12	12
RIDENBAUGH	534	531	533	536	531	533	533	533	531	528	523	523	523	525	525	530
SETTLERS	185	183	180	179	159	157	157	155	155	153	156	155	153	156	153	152
THURMAN MILL	25	25	25	24	24	24	24	24	24	18	18	18	18	18	18	25
CRUZEN (CONSUMERS)	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19
BOISE CITY	35	36	37	36	35	34	33	33	33	31	34	34	34	33	33	33
FARMERS UNION & B. V.	225	223	220	220	220	224	221	224	230	232	214	213	216	215	214	213
NEW UNION	16	16	16	16	16	16	16	13	13	12	12	11	11	11	11	11
NEW DRY CREEK	68	68	61	61	61	61	61	61	61	59	59	59	59	59	59	59
BALLANTINE	26	26	26	26	19	19	19	19	19	19	19	17	17	15	15	13
MIDDLETON CANALS	166	166	169	174	189	184	171	171	141	142	133	133	127	127	132	131
LITTLE PIONEER	41	38	38	38	38	37	41	36	28	28	27	27	26	26	25	24
CANYON COUNTY	77	77	77	96	96	77	77	67	67	78	81	74	66	66	66	66
EAGLE ISLAND CANALS	62	62	62	62	62	62	62	62	62	62	62	52	42	42	42	42
PHYLLIS	334	324	311	305	306	313	297	314	313	325	328	330	345	347	362	359
EUREKA #1	40	41	41	34	34	32	34	35	36	22	22	25	25	27	27	27
CALDWELL HIGH LINE	48	48	48	48	48	49	49	49	49	49	49	49	49	42	38	60
SEBREE (FARMERS COOP.)	333	332	327	325	325	321	324	322	322	325	329	329	338	340	347	346
CAMPBELL	21	18	18	18	16	16	16	18	18	18	18	18	18	18	18	18
SIEBENBERG	13	13	0	0	8	8	8	8	15	15	15	22	22	22	17	17
RIVERSIDE #2	212	206	212	216	276	278	205	207	207	207	214	212	207	205	207	214
PIONEER DIXIE	64	64	64	64	0	0	73	73	73	73	64	64	73	73	73	64
EUREKA #2	92	92	92	81	74	74	74	74	74	74	74	0	0	74	74	74
UPPER CENTER POINT	24	24	24	33	33	28	28	24	24	24	24	24	24	24	24	24
LOWER CENTER POINT	22	22	22	22	23	23	23	23	23	20	20	20	20	20	20	20
MISCELLANEOUS	33	33	33	33	33	33	33	26	26	26	26	26	26	26	25	25
TOTAL CANAL DIVERSIONS	5290	5290	5236	5210	5209	4988	5003	4951	5033	5030	5098	5002	5127	5132	5187	5190
RIVER AT NOTUS	304	304	343	361	356	321	254	184	190	228	180	162	96	81	75	56
TOTALS	5594	5594	5579	5571	5565	5309	5257	5135	5223	5258	5278	5164	5223	5212	5262	5246

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

AUGUST

	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
5	2446	2540	2530	2651	2584	2625	2606	2595	2662	2623	2612	2628	2673	2656	2584	2707	2685	2661	2520	2488	2363
0	11	6	6	6	6	6	6	8	8	8	8	12	13	13	13	13	13	13	13	13	13
5	14	12	12	12	12	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11
1	528	523	523	523	525	525	530	527	527	526	527	529	526	538	534	531	527	521	527	526	531
5	153	156	155	153	156	153	152	149	151	152	153	155	156	157	159	159	158	158	157	157	157
4	18	18	18	18	18	18	25	25	25	25	25	25	25	25	28	28	28	28	28	28	28
8	19	19	19	19	19	19	19	18	18	18	19	19	19	21	21	21	21	21	21	21	21
3	31	34	34	34	33	33	33	34	34	35	27	27	27	27	26	26	26	26	26	26	26
0	232	214	213	216	215	214	213	211	217	219	217	221	221	221	218	218	217	216	215	214	207
3	12	12	11	11	11	11	11	15	15	11	11	11	11	11	15	15	9	9	9	9	9
1	59	59	59	59	59	59	59	59	59	59	59	59	57	57	54	54	54	54	46	46	46
9	19	19	17	17	15	15	13	13	0	0	19	19	18	18	18	18	18	18	18	18	13
11	142	133	133	127	127	132	131	129	129	129	104	93	92	95	115	123	120	118	116	115	115
28	28	27	27	26	26	25	24	23	23	22	21	21	20	19	19	18	18	18	24	28	32
57	78	81	74	66	66	66	66	70	71	71	68	68	71	74	72	72	70	70	68	68	68
32	62	62	52	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
13	325	328	330	345	347	362	359	361	346	366	372	364	359	360	357	365	354	336	333	331	333
36	22	22	25	25	27	27	27	27	38	27	28	31	32	26	27	27	27	27	27	27	27
19	49	49	49	49	42	38	60	57	57	57	60	60	65	65	84	71	58	52	48	42	42
22	325	329	329	336	340	347	346	347	349	351	350	354	351	353	353	351	351	343	344	344	338
18	18	18	18	18	18	18	18	21	21	21	21	20	19	18	17	16	16	15	15	16	16
15	15	15	22	22	22	17	17	17	17	9	8	8	8	8	8	8	8	8	12	12	12
07	207	214	212	207	205	207	214	204	190	232	228	225	221	221	217	219	224	228	230	223	224
73	73	64	64	73	73	73	64	64	64	52	52	57	57	57	59	59	52	52	52	46	46
74	74	74	0	0	74	74	74	105	115	115	115	115	115	115	107	107	92	87	84	81	77
24	24	24	24	24	24	24	24	24	28	37	37	28	28	24	24	0	0	25	25	25	25
23	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
26	26	26	26	26	26	25	25	25	25	25	25	25	23	23	23	23	23	23	23	23	23
33	5030	5098	5002	5127	5132	5187	5190	5202	5263	5264	5240	5248	5281	5276	5226	5312	5242	5200	5054	5000	4865
90	228	180	162	96	81	75	56	61	52	59	52	48	50	70	106	153	194	221	221	228	246
23	5258	5278	5164	5223	5212	5262	5246	5263	5315	5323	5292	5296	5331	5346	5332	5465	5436	5421	5275	5228	5111

IN SECOND FIFT OF JULY 1952
IRRIGATION SEASON OF 1952, INCLUDING STORAGE

AUGUST										25	26	27	28	29	30	31	SEP
15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	SEP
2625	2626	2627	2628	2629	2630	2631	2632	2633	2634	2707	2695	2681	2671	2660	2649	2638	2627
6	6	8	10	12	14	16	18	20	22	13	13	13	13	13	13	13	13
12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	11
525	530	527	524	521	518	515	512	509	506	531	527	523	519	515	511	507	503
153	152	149	146	143	140	137	134	131	128	159	158	156	154	152	150	148	146
16	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
19	16	18	18	18	18	18	18	18	18	21	21	21	21	21	21	21	21
33	33	34	34	34	34	34	34	34	34	26	26	26	26	26	26	26	26
214	213	211	209	207	205	203	201	199	197	216	217	218	219	220	221	222	223
11	11	15	15	15	15	15	15	15	15	15	9	9	9	9	9	9	9
59	59	59	59	59	59	59	59	59	59	54	54	54	54	54	54	54	54
15	13	12	12	12	12	12	12	12	12	16	16	16	16	16	16	16	16
132	131	129	128	127	126	125	124	123	122	123	123	123	123	123	123	123	123
25	24	23	23	23	23	23	23	23	23	18	18	18	18	18	18	18	18
66	66	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70	70
42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42
362	359	361	361	361	361	361	361	361	361	331	334	336	338	340	342	344	346
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
38	40	57	57	57	57	57	57	57	57	74	74	74	74	74	74	74	74
347	346	347	347	347	347	347	347	347	347	351	351	351	351	351	351	351	351
18	17	21	21	21	21	21	21	21	21	16	16	16	16	16	16	16	16
17	17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16	16
207	214	214	214	214	214	214	214	214	214	206	204	202	200	198	196	194	192
73	64	64	64	64	64	64	64	64	64	59	59	59	59	59	59	59	59
74	74	105	105	105	105	105	105	105	105	107	107	107	107	107	107	107	107
24	24	24	24	24	24	24	24	24	24	20	20	20	20	20	20	20	20
20	20	25	25	25	25	25	25	25	25	20	20	20	20	20	20	20	20
25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25
5187	5190	522	523	524	524	524	524	524	524	516	514	512	510	508	506	504	502
75	56	64	64	64	64	64	64	64	64	75	75	75	75	75	75	75	75
5262	5246	5263	5265	5267	5269	5271	5273	5275	5277	5261	5254	5247	5240	5233	5226	5219	5212

IN SECOND FEET OF BOISE VALLEY CANALS

THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

AUGUST

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
4	2625	2606	2595	2662	2623	2612	2628	2673	2656	2584	2707	2685	2661	2520	2488	2363	2337	79022
6	6	6	8	8	8	8	12	13	13	13	13	13	13	13	13	13	13	315
2	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	11	11	394
5	525	530	527	527	526	527	529	526	538	534	531	527	521	527	526	531	522	16391
6	153	152	149	151	152	153	155	156	157	159	159	158	158	157	157	157	157	4923
8	18	25	25	25	25	25	25	25	25	28	28	28	28	28	28	28	28	751
9	19	19	18	18	18	19	19	19	21	21	21	21	21	21	21	21	20	594
13	33	33	34	34	35	27	27	27	27	26	26	26	26	26	26	26	26	963
15	214	213	211	217	219	217	221	221	221	218	218	217	216	215	214	207	207	6766
1	11	11	15	15	11	11	11	11	11	15	15	9	9	9	9	9	9	386
9	59	59	59	59	59	59	59	57	57	54	54	54	54	46	46	46	46	1785
15	15	13	13	0	0	19	19	18	18	18	18	18	18	18	18	13	13	535
7	132	131	129	129	129	104	93	92	95	115	123	120	118	116	115	115	115	4164
26	25	24	23	23	22	21	21	20	19	19	18	18	18	24	28	32	32	856
6	66	66	70	71	71	68	68	71	74	72	72	70	70	68	68	68	66	2257
12	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	42	1532
17	362	359	361	346	366	372	364	359	360	357	355	354	336	333	331	333	325	10466
27	27	27	27	38	27	28	31	32	26	27	27	27	27	27	27	27	27	926
12	38	60	57	57	57	60	60	65	65	84	71	58	52	48	42	42	42	1632
10	347	346	347	349	351	350	354	351	353	353	351	351	343	344	344	338	338	10502
18	18	18	21	21	21	21	20	19	18	17	16	16	15	15	16	16	16	553
22	17	17	17	17	9	8	8	8	8	8	8	8	8	12	12	12	12	358
25	207	214	204	190	232	228	225	221	221	217	219	224	228	230	223	224	228	6799
73	73	64	64	64	52	52	57	57	57	59	59	52	52	52	46	46	46	1774
74	74	74	105	115	115	115	115	115	115	107	107	92	87	84	61	77	73	2600
24	24	24	24	28	37	37	28	28	24	24	0	0	25	25	25	25	25	765
20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	643
26	25	25	25	25	25	25	25	23	23	23	23	23	23	23	23	23	23	818
12	5187	5190	5202	5263	5264	5240	5248	5281	5276	5226	5312	5242	5200	5054	5000	4865	4821	159470
11	75	56	61	52	59	52	48	50	70	106	153	194	221	221	228	246	261	5517
2	5262	5246	5263	5315	5323	5292	5296	5331	5346	5332	5405	5436	5421	5275	5228	5111	5082	164987

DISCHARGE IN SECOND F
BY DAYS DURING THE IRRIGATION

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL (MC #2)	2389	2358	2285	2316	2300	2275	2255	2235	2185	2358	2337	2389	2347	2332	2347	2337
PENITENTIARY	9	9	9	9	6	5	5	2	6	2	3	3	4	3	3	3
BUBB (SOUTH BOISE)	11	11	11	11	11	11	11	10	10	10	10	10	10	10	10	10
RIDENBAUGH	524	521	518	510	522	522	526	520	528	512	516	500	502	487	487	486
SETTLERS	156	156	155	155	154	154	153	153	153	153	152	152	151	153	151	152
THURMAN MILL	26	26	26	26	26	23	23	23	23	23	18	18	18	18	18	18
CRUZEN (CONSUMERS)	20	20	20	20	20	20	20	20	20	20	20	20	20	17	17	17
BOISE CITY	26	26	26	26	26	26	26	26	26	27	28	27	28	28	28	28
FARMERS UNION & B. V.	206	201	201	201	202	207	207	207	207	211	211	211	211	211	203	203
NEW UNION	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
NEW DRY CREEK	46	46	46	46	46	46	46	46	46	46	45	45	45	45	45	43
BALLANTINE	12	12	12	12	12	12	12	12	23	19	15	15	15	15	15	15
MIDDLETON CANALS	115	115	115	109	101	91	91	88	91	101	104	98	98	98	98	104
LITTLE PIONEER	32	32	32	32	32	30	30	17	17	17	18	18	18	18	18	18
CANYON COUNTY	67	65	60	60	56	56	56	56	58	66	64	64	64	64	68	67
EAGLE ISLAND CANALS	42	42	42	42	42	42	42	42	41	41	41	41	41	41	41	41
PHYLLIS	318	312	322	313	313	306	308	308	308	311	312	313	298	292	270	243
EUREKA #1	27	27	27	27	27	27	26	25	25	25	25	23	23	23	23	21
CALDWELL HIGH LINE	48	50	46	36	36	35	35	32	41	42	45	36	35	42	35	37
SEBREE (FARMERS COOP.)	333	340	340	340	341	338	332	325	325	322	322	319	316	309	305	301
CAMPBELL	16	16	16	15	15	15	15	15	15	15	15	15	15	15	16	16
SIEBENBERG	12	12	10	10	10	10	10	10	9	9	9	9	9	9	7	7
RIVERSIDE #2	224	224	217	219	224	224	222	224	211	216	179	230	166	168	187	187
PIONEER DIXIE	50	50	55	55	50	50	50	50	0	0	42	53	53	54	54	54
EUREKA #2	73	73	73	73	73	82	77	73	77	77	84	84	84	84	82	82
UPPER CENTER POINT	25	25	25	25	25	26	26	26	26	26	26	26	25	25	25	25
LOWER CENTER POINT	20	20	20	20	20	21	21	21	21	21	21	21	22	22	22	22
MISCELLANEOUS	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
TOTAL CANAL DIVERSIONS	4858	4820	4740	4739	4721	4685	4656	4597	4523	4701	4693	4771	4649	4614	4606	4569
RIVER AT NOTUS	257	221	197	171	168	150	232	221	242	273	292	321	352	400	415	440
TOTALS	5115	5041	4937	4910	4889	4865	4888	4821	4765	4974	4985	5092	5001	5014	5021	5009

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1953, INCLUDING STORAGE

SEPTEMBER

	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
2185	2358	2337	2389	2347	2332	2347	2337	2316	2255	2185	2075	1958	2004	2016	1978	1867	1940	1949	1958	2095	
6	2	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	
10	10	10	10	10	10	10	10	10	10	10	10	10	10	7	7	7	7	7	7	7	
528	512	516	500	502	487	487	486	482	457	447	440	431	410	377	389	389	392	398	377	401	
153	153	152	152	151	153	151	152	139	126	126	126	116	115	115	97	97	97	98	98	98	
23	23	18	18	18	18	18	18	18	18	18	18	13	13	13	9	9	5	5	5	5	
20	20	20	20	20	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	
26	27	28	27	28	28	28	28	28	26	27	25	25	25	25	23	23	22	22	22	21	
207	211	211	211	211	211	203	203	188	188	186	179	172	161	161	161	161	161	160	160	160	
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	
46	46	45	45	45	45	45	45	43	44	40	40	40	40	39	43	43	39	39	39	33	
23	19	15	15	15	15	15	15	15	15	12	12	12	12	12	12	11	11	11	11	6	
91	101	104	98	98	98	98	98	104	104	98	98	98	98	98	98	98	98	98	98	98	
17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	0	0	0	
58	66	64	64	64	64	68	67	67	74	70	70	60	58	58	60	58	48	48	48	48	
41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	41	39	39	39	39	
308	311	312	313	298	292	270	243	226	179	184	180	184	213	216	213	190	184	184	180	180	
25	25	25	23	23	23	23	21	21	21	21	21	21	21	21	21	21	21	21	21	21	
41	42	45	36	35	42	35	37	35	35	31	32	32	31	31	31	31	32	34	33	35	
325	322	322	319	316	309	305	301	297	297	293	281	281	277	277	286	281	262	262	262	262	
15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	
9	9	9	9	9	9	7	7	7	7	7	12	12	12	12	12	12	8	8	8	8	
211	216	179	230	166	168	187	187	187	187	211	211	165	135	135	135	135	137	137	137	137	
0	0	42	53	53	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
77	77	84	84	84	84	82	82	82	82	82	82	82	82	84	84	84	84	84	82	82	
26	26	26	26	25	25	25	25	25	25	25	25	21	21	21	21	21	21	21	21	21	
21	21	21	21	22	22	22	22	22	22	22	22	16	16	16	16	16	16	16	18	18	
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	
4523	4701	4693	4771	4649	4614	4606	4569	4493	4347	4276	4139	3929	3936	3918	3875	3728	3762	3759	3734	3895	
242	273	292	321	352	400	415	440	440	485	505	480	450	415	410	395	410	420	400	460	460	
4765	4974	4985	5092	5001	5014	5021	5009	4933	4832	4781	4615	4379	4351	4328	4270	4138	4182	4159	4194	4355	

CONT. FIFT OF HOISE VALLEY CANALS

LATION SEASON OF 1953, INCLUDING STORAGE

SEPTEMBER

	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
2	2337	2316	2255	2185	2075	1958	2004	2016	1978	1867	1940	1949	1958	2095	2075	65716
3	4	3	3	4	3	3	4	3	3	4	3	3	4	3	3	128
10	10	10	10	10	10	10	10	7	7	7	7	7	7	7	7	283
17	486	492	457	447	440	431	410	377	389	389	392	398	377	401	389	13960
21	152	139	126	126	126	116	115	115	97	97	97	98	98	98	98	3999
18	18	18	18	18	18	13	13	13	9	9	5	5	5	5	5	507
17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	549
28	28	28	28	27	25	25	25	25	23	23	22	22	22	21	21	765
33	203	188	188	186	179	172	161	161	161	161	161	160	160	160	154	5652
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	270
45	43	44	40	40	40	40	39	43	43	39	39	39	33	33	33	1273
15	15	15	12	12	12	12	12	12	11	11	11	11	6	6	6	377
98	104	104	104	98	98	98	98	98	98	98	98	98	98	98	98	3001
18	18	18	18	18	18	18	18	18	18	18	18	0	0	0	0	559
68	67	67	74	70	70	60	58	58	60	58	48	48	48	48	48	1806
41	41	41	41	41	41	41	41	41	41	39	39	39	39	39	39	1226
70	243	226	179	184	180	184	213	216	213	190	184	184	180	180	159	7519
23	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	695
35	37	35	35	31	32	32	31	31	31	31	32	34	33	35	35	1089
305	301	297	297	293	281	281	277	277	286	281	262	262	262	262	262	9088
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	469
7	7	7	7	7	12	12	12	12	12	12	8	8	8	8	8	285
107	107	107	107	211	211	165	135	135	135	135	137	137	137	137	137	5508
54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	1476
82	82	82	82	82	82	82	84	84	84	84	84	82	82	82	82	2409
25	25	25	25	25	25	21	21	21	21	21	21	21	21	21	21	717
22	22	22	22	22	22	16	16	16	16	16	16	16	18	18	18	589
22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21	654
606	4569	4493	4347	4276	4139	3929	3936	3918	3875	3728	3762	3759	3734	3895	3836	130569
415	440	440	485	505	480	450	415	410	395	410	420	400	460	460	490	10605
321	5009	4933	4832	4781	4619	4379	4351	4328	4270	4138	4182	4159	4194	4355	4326	141174

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER

CHART NO. 6

DURING IRRIGATION SEASON OF 1953

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	TOTALS
BOARD OF CONTROL (MC #2)	132568	153124	89480	174348	158044	131432	839026
PENITENTIARY	90	506	210	664	630	256	2356
BUBB (SOUTH BOISE)	564	916	590	944	788	566	4368
RIDENBAUGH	24426	31344	24180	36176	32782	27920	176828
SETTLERS	3514	9816	6686	12076	9846	7998	49936
THURMAN MILL							
CONSUMERS	960	2032	1230	2142	1502	1014	8880
BOISE CITY	708	1134	888	1244	1188	1098	6260
FARMERS UNION	822	1742	1102	2132	1926	1530	9254
BOISE VALLEY	5013	9995	6472	10631	9855	7982	49948
	2803	4217	3638	5263	3677	3322	22920
NEW UNION	444	868	726	1184	772	540	4534
NEW DRY CREEK	1794	3668	3226	4494	3570	2546	19298
BALLANTINE	738	1298	968	1030	1070	754	5858
MIDDLETON CANALS	5894	12988	7954	12316	8328	6002	53482
LITTLE PIONEER	1506	2016	1914	2796	1712	1118	11062
CANYON COUNTY	2426	4342	3376	5678	4514	3612	23948
EAGLE ISLAND CANALS	1646	2948	2292	3854	3064	2452	16256
PHYLLIS	14110	18358	9296	26128	20932	15038	103862
EUREKA #1	972	2020	1058	2572	1852	1390	9864
CALDWELL HIGH LINE	2164	3292	2218	2708	3264	2178	15824
FARMERS CO-OP.	11990	17576	14858	22392	21004	18176	105696
CAMPBELL	648	1246	694	1470	1106	938	6102
SIEGENBERG	470	814	234	724	716	570	3528
RIVERSIDE	6130	10430	8122	14230	13598	11016	63526
PIONEER DIXIE	2010	4508	1908	3950	3548	2952	18876
EUREKA #2	3106	4482	4558	5590	5200	4818	27754
UPPER CENTER POINT	588	1292	602	1642	1530	1434	7088
LOWER CENTER POINT	522	1170	522	1530	1286	1178	6208
MISCELLANEOUS	878	1572	1224	2058	1636	1308	8676
TOTALS	229534	309714	200226	361966	318940	261138	1681518

BOISE RIVER CANAL DIVERSION

BEGINNING 194

	1940	1941	1942	1943	1944	1945	1946	1947	
BOARD OF CONTROL	567126	600416	660248	767530	616514	681738	721472	772628	7
PENITENTIARY	1746	1582	1570	2062	1764	1656	2212	2806	
BUBB	3918	4740	4154	4874	4338	5316	5172	5204	
RIDENBAUGH	148658	160804	144804	161430	126146	129942	154442	157198	1
SETTLERS	40520	46556	43064	50082	40062	42006	47080	49380	
THURMAN MILL	9632	9410	11612	9098	9670	11770	9086	10456	
CONSUMERS WATER CO.	6826	5658	6630	6884	5888	7078	6726	6566	
BOISE CITY	9114	10086	9296	9966	8940	8468	9352	9398	
FARMERS UNION	26168	35618	35736	38180	29700	32990	38252	38616	3
CAPITAL VIEW IRR. DIST.	3468	3560	2282	2174	2022	2120	2180	2076	
BOISE VALLEY	16274	17494	16676	15802	13598	14976	17686	16866	1
NEW UNION	3904	4582	3524	3896	3836	4016	3984	4376	
NEW DRY CREEK	14502	17978	17752	18080	17572	20094	19218	18772	1
BALLANTINE	3562	3250	3316	3962	3610	3706	4076	5036	4
MIDDLETON WATER CO.	33620	34504	30278	38602	39530	29456	28628	27582	2
MIDDLETON MILL DITCH	15640	14564	13858	16760	11124	14728	19084	18388	16
LITTLE PIONEER	7044	7920	7108	7994	7250	9202	10692	10586	8
CANYON WATER CO.	17878	20308	18486	19968	18708	19900	20354	21648	18
7 EAGLE ISLAND CANALS	10256	12326	12720	11394	12450	12060	13772	13746	13
PHYLLIS CANAL	92608	104914	93564	117060	85268	84672	107768	107128	98
EUREKA WATER COMPANY	7576	9340	8402	8348	7962	8034	8332	9502	7
CALDWELL HIGH LINE	20974	20100	17852	17618	20424	20730	18832	16348	13
FARMERS CO-OP.	69200	78736	80164	98038	70786	77664	93136	85200	794
CAMPBELL (CANYON)	3824	4272	5040	5510	4422	5164	5944	5446	44
SIEBENBERG	2862	2774	2102	2298	2488	2350	2658	2844	31
RIVERSIDE	47128	60012	52152	54118	41694	48758	43604	50196	691
PIONEER DIXIE	12184	11994	13566	12706	15336	15078	13472	16430	129
EUREKA NO. 2	15416	14750	12896	16294	11830	14818	19674	23718	207
UPPER CENTER POINT	3538	3764	3588	3782	4126	4090	4438	4392	47
LOWER CENTER POINT	4596	4890	4196	3344	4912	3784	3788	4410	583
MISCELLANEOUS	6856	8324	8284	7800	7036	7926	7822	7760	733
TOTAL SUMMER DIVERSIONS APRIL 1 TO SEPTEMBER 30	1226618	1335226	1344640	1535654	1248996	1344290	1462936	1525002	141210
NEW YORK CANAL DIVERSIONS OCTOBER 1 TO MARCH 31	172234	175014	151154	152266	145568	151102	153260	166220	149012
IRRIGATION REQUIREMENTS BELOW DIVERSION DAM DURING OCTOBER	19562	22855	28638	25370	25074	14858	18364	22846	31464
AMOUNT PASSING DIVERSION DAM FROM NOVEMBER 1 TO APRIL 1	35898	29972	39348	437346	32026	29302	69026	115740	28056
TOTAL	1454312	1563068	1563780	2150636	1451664	1539552	1703586	1829808	1620634
SUMMER RETURN FLOW	263936	334394	281650	275886	248672	264190	291322	339546	256714
TOTAL AMOUNT AVAILABLE	1718248	1897462	1845430	2426522	1700336	1803742	1994908	2169354	1877348

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET

BEGINNING 1940

1944	1945	1946	1947	1948	1949	1950	1951	1952	1953
616514	681738	721472	772628	725750	806420	820502	856926	863356	839026
1764	1656	2212	2806	2470	3350	2642	2766	2732	2356
4338	5316	5172	5204	4090	4286	4310	4586	3890	4368
126146	129942	154442	157198	131982	155814	166250	173836	171742	176828
40062	42006	47080	49380	43716	52782	52044	53446	52510	49936
9670	11770	9086	10456	9642	8714	10402	10500	9644	8880
5888	7078	6726	6566	5632	6978	6828	5562	6756	6260
8940	8468	9352	9398	7914	9034	9512	10412	9328	9254
29700	32990	38252	38616	30678	43591	51276	58274	46696	47750
2022	2120	2180	2076	2040	2286	2556	2554	2470	2198
13598	14976	17686	16866	15208	18915	18420	13068	19404	22920
3836	4016	3984	4376	3784	3932	4218	5224	4180	4534
17572	20094	19218	18772	15442	19736	19120	19954	16782	19298
3610	3706	4076	5036	4478	4802	5346	5328	5242	5858
39530	29456	28628	27582	25136	30932	29886	32773	31067	32089
11124	14728	19084	18388	16758	20622	19824	21849	20711	21393
7250	9202	10692	10586	8228	9828	11322	10944	11666	11062
18708	19900	20354	21648	18170	19068	23262	23282	24374	23948
12450	12060	13772	13746	13056	14674	15244	15400	16744	16256
85268	84672	107768	107128	98968	112320	116662	113870	114114	103862
7962	8034	8332	9502	7994	8982	9654	10300	9662	9864
20424	20730	18832	16348	13130	14210	14068	14906	13330	15824
70786	77664	93136	85200	79448	82910	93470	102484	107814	105996
4422	5164	5944	5446	4440	5032	5596	6406	6168	6102
2488	2350	2658	2844	3158	2890	2926	3120	3272	3528
41684	48758	43604	50496	69160	54346	68812	69594	68458	63526
15336	15078	13472	16430	12978	18544	18368	21046	21098	18876
11830	14818	19674	23718	20724	22568	25752	25668	24708	27754
4126	4090	4438	4392	4758	5438	5824	5994	5970	7088
4912	3784	3788	4410	5832	5216	5736	5920	5790	6208
7036	7926	7822	7760	7338	8258	8344	8432	8592	8676
1248996	1344290	1462936	1525002	1412102	1578478	1644296	1714424	1708290	1681518
145568	151102	153260	166220	149012	123492	137978	133610	104267	154382
25074	14858	18364	22846	31464	17398	6728	33224	15098	19962
32026	29302	69026	115740	28056	204000	40612	168678	651528	151184
1451664	1539552	1703586	1829808	1620634	1923368	1829614	2049936	2479584	2007046
248672	264190	291322	339546	256714	330110	400206	471172	494974	480208
1700336	1803742	1994908	2169354	1877348	2253478	2229820	2521106	2974558	2487254

NO.	NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	DRAINAGE DISTRICT #3	7	7	7	7	7	7	7	7	11	11	11	11	11	11	15
2.	DAVIS DRAIN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3.	THURMAN DRAIN	9	9	9	9	9	9	9	9	9	9	11	11	11	11	13
4.	BOISE SEWER	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11
5.	EAGLE DRAIN	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
6.	SOUTH MIDDLETON DRAIN	22	22	25	25	27	27	27	27	27	31	31	35	35	37	40
7.	NORTH MIDDLETON DRAIN	8	8	8	8	8	8	8	8	8	8	12	12	12	12	12
8.	HARTLEY DRAIN	5	5	5	5	5	7	7	8	8	8	11	11	15	15	19
9.	PHYLLIS WASTE	4	4	4	4	4	4	4	4	4	6	6	6	6	6	6
10.	MASON CREEK	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11.	WILLOW CREEK	51	51	51	51	47	47	45	43	43	41	36	31	31	31	31
12.	MASON DRAIN	25	25	25	25	25	25	25	31	33	37	41	46	51	57	60
13.	INDIAN CREEK	35	35	35	35	35	35	35	35	37	39	39	41	45	48	52
14.	HARTLEY GULCH	31	31	31	25	25	25	25	25	21	21	21	21	21	21	19
TOTAL		229	229	232	226	224	226	224	230	234	244	252	258	271	282	300

NO.	NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	DRAINAGE DISTRICT #3	18	18	18	18	18	19	19	19	19	19	19	19	19	19	19
2.	DAVIS DRAIN	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2
3.	THURMAN DRAIN	21	21	21	21	23	23	23	23	23	25	25	25	25	25	27
4.	BOISE SEWER	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
5.	EAGLE DRAIN	42	42	42	42	42	42	42	45	47	47	47	47	47	47	51
6.	SOUTH MIDDLETON DRAIN	71	75	79	83	85	88	91	95	99	101	101	101	101	101	100
7.	NORTH MIDDLETON DRAIN	25	25	27	35	37	41	46	50	50	50	50	50	50	50	50
8.	HARTLEY DRAIN	33	33	33	33	33	35	35	35	35	35	35	33	33	33	33
9.	PHYLLIS WASTE	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
10.	MASON CREEK	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
11.	WILLOW CREEK	25	25	31	31	31	31	31	29	29	29	28	28	28	25	25
12.	MASON DRAIN	161	172	172	172	166	163	161	159	159	159	155	153	141	141	141
13.	INDIAN CREEK	228	230	234	235	242	247	252	252	257	257	257	259	259	259	259
14.	HARTLEY GULCH	21	21	21	25	25	25	25	25	31	31	31	31	31	33	33
TOTAL		677	694	710	727	734	746	757	764	781	786	781	779	767	766	771

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

CHART NO. 1

IRRIGATION SEASON OF 1953

APRIL

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
11	11	11	11	11	11	15	15	15	15	15	15	15	15	14	14	14	14	14	16	16	16
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	9	11	11	11	11	13	13	13	13	13	15	15	15	15	17	17	17	17	19	19	19
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
20	20	20	20	20	20	20	20	20	20	20	20	20	22	22	27	27	27	34	34	42	42
27	31	31	35	35	37	40	40	42	42	45	47	50	52	53	55	57	59	61	63	65	67
8	8	12	12	12	12	12	12	15	15	18	18	21	21	21	25	25	25	25	22	22	22
8	8	11	11	15	15	19	19	19	19	19	21	21	23	23	23	23	23	28	28	33	33
4	6	6	6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7
1	1	1	1	1	1	1	7	7	7	7	7	7	7	7	7	7	7	9	9	9	9
43	41	36	31	31	31	31	31	26	26	26	26	26	26	26	29	29	29	29	25	25	25
33	37	41	46	51	57	60	62	64	66	68	70	72	73	74	75	81	86	99	115	132	151
37	39	39	41	45	48	52	55	59	65	73	84	93	106	131	147	163	182	199	232	232	232
21	21	21	21	21	21	19	19	19	19	19	19	19	19	19	17	17	17	17	19	19	19
234	244	252	258	271	282	300	311	317	325	341	361	378	398	424	453	479	505	551	601	633	654

MAY

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
19	19	19	19	19	19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	22	22
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	25	25	25	25	25	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
12	12	12	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13
47	47	47	47	47	47	51	51	51	51	55	55	55	57	57	59	59	62	62	62	62	62
99	101	101	101	101	101	100	100	100	100	100	100	100	105	110	112	117	117	117	117	117	117
50	50	50	50	50	50	50	53	53	57	57	57	61	61	61	66	66	66	66	66	66	66
35	35	35	33	33	33	33	33	33	33	33	33	33	33	33	33	35	35	35	35	35	37
8	8	8	8	8	8	8	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11
11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
29	29	28	28	28	25	25	25	29	29	29	29	37	50	47	35	35	37	41	54	65	68
159	159	155	153	141	141	141	141	141	136	136	136	136	136	136	136	136	141	141	141	147	147
257	257	257	259	259	259	259	259	259	259	262	262	262	262	264	264	268	268	268	252	247	242
31	31	31	31	31	33	33	33	33	33	33	33	33	36	36	36	31	31	31	30	30	30
781	786	781	779	767	766	771	776	780	779	786	787	800	823	828	825	831	842	846	842	856	856

ARY AND RETURN FLOW TO BOISE RIVER

CHART NO. 8

IRRIGATION SEASON OF 1953

APRIL

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
11	15	15	15	15	15	15	15	15	14	14	14	14	14	16	16	16		360
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1		30
11	13	13	13	13	13	15	15	15	15	15	17	17	17	19	19	19		382
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11		323
20	20	20	20	20	20	20	20	22	22	27	27	27	34	34	42	42		697
37	40	40	42	42	45	47	50	52	53	55	57	59	61	63	65	67		1236
12	12	12	15	15	18	18	21	21	21	25	25	25	25	22	22	22		447
15	19	19	19	19	19	21	21	23	23	23	23	23	28	28	33	33		489
6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	7		173
1	1	7	7	7	7	7	7	7	7	7	7	7	9	9	9	9		128
31	31	31	26	26	26	26	26	26	26	29	29	29	29	25	25	25		1034
57	60	62	64	66	68	70	72	73	74	75	81	86	99	115	132	151		1819
48	52	55	59	65	73	84	93	106	131	147	163	182	199	232	232	232		2634
21	19	19	19	19	19	19	19	19	19	17	17	17	17	19	19	19		640
282	300	311	317	325	341	361	378	398	424	453	479	505	551	601	633	654		10392

MAY

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
19	19	19	19	19	19	20	20	20	20	20	20	20	20	20	22	22	22	602
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	53
25	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	27	783
12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	381
47	51	51	51	51	55	55	55	57	57	59	59	62	62	62	62	62	62	1594
101	100	100	100	100	100	100	100	105	110	112	117	117	117	117	117	117	117	3117
50	50	53	53	57	57	57	61	61	61	66	66	66	66	66	66	66	66	1624
33	33	33	33	33	33	33	33	33	33	33	35	35	35	35	35	37	37	1053
8	8	9	9	9	9	9	10	10	10	10	10	11	11	11	11	11	11	281
11	11	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	357
25	25	25	29	29	29	29	37	50	47	35	35	37	41	54	65	68	72	1108
141	141	141	141	136	136	136	136	136	136	136	136	141	141	141	147	147	147	4609
259	259	259	259	259	262	262	262	262	264	264	268	268	268	252	247	242	242	7867
33	33	33	33	33	33	33	33	36	36	36	31	31	31	30	30	30	30	928
766	771	776	780	779	786	787	800	823	828	825	831	842	846	842	856	856	860	24357

TRIBUTARY AND RETURN FLOW
IRRIGATION SEASON

JUNE

NO.	NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	DRAINAGE DISTRICT #3	22	22	22	22	22	22	22	19	19	19	19	19	17	17	17	17
2.	DAVIS DRAIN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3
3.	THURMAN DRAIN	28	28	28	28	28	28	28	28	28	31	31	31	31	31	31	31
4.	BOISE SEWER	13	13	13	13	14	14	14	14	14	14	14	14	14	14	14	14
5.	EAGLE DRAIN	57	57	57	57	57	57	57	51	51	45	45	45	45	45	45	45
6.	SOUTH MIDDLETON DRAIN	117	117	117	117	117	117	117	117	117	115	112	109	106	106	106	103
7.	NORTH MIDDLETON DRAIN	71	71	84	87	91	93	95	101	117	115	109	101	99	93	88	84
8.	HARTLEY DRAIN	39	44	47	51	55	61	61	61	61	61	56	56	56	56	56	53
9.	PHYLLIS WASTE	12	12	12	12	12	12	12	12	12	12	14	14	14	14	14	14
10.	MASON CREEK	12	12	12	12	12	12	4	4	4	4	4	4	4	4	4	4
11.	WILLOW CREEK	75	75	75	67	65	61	57	52	47	42	37	32	27	24	22	20
12.	MASON DRAIN	147	147	147	147	147	147	139	139	134	133	132	131	130	129	128	127
13.	INDIAN CREEK	235	235	235	234	234	234	231	231	231	231	226	228	234	216	216	216
14.	HARTLEY GULCH	32	32	32	32	32	25	19	15	10	10	12	12	12	12	12	12
TOTAL		862	867	883	881	888	882	858	846	847	834	813	798	791	763	755	708

JULY

NO.	NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	DRAINAGE DISTRICT #3	22	22	22	22	22	22	22	22	22	22	22	22	20	20	20	20
2.	DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3.	THURMAN DRAIN	29	29	29	29	29	31	31	31	31	31	31	31	31	31	31	31
4.	BOISE SEWER	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
5.	EAGLE DRAIN	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
6.	SOUTH MIDDLETON DRAIN	115	115	115	109	109	109	105	105	105	105	107	107	107	106	109	109
7.	NORTH MIDDLETON DRAIN	60	60	60	60	60	60	60	61	62	63	64	65	66	67	68	69
8.	HARTLEY DRAIN	51	51	51	51	51	51	50	50	50	50	51	51	51	51	51	51
9.	PHYLLIS WASTE	12	12	12	12	12	9	9	9	9	12	12	12	12	12	12	12
10.	MASON CREEK	15	15	15	15	15	15	15	15	15	15	15	15	15	15	21	21
11.	WILLOW CREEK	14	12	17	19	21	23	24	24	24	24	25	25	25	25	25	26
12.	MASON DRAIN	71	71	71	71	77	81	87	99	115	121	127	133	141	148	152	161
13.	INDIAN CREEK	205	199	207	216	216	216	216	216	216	216	216	214	216	213	213	226
14.	HARTLEY GULCH	19	19	20	20	20	20	20	20	20	20	18	18	18	17	17	17
TOTAL		692	684	698	703	711	716	718	731	748	758	767	772	781	787	798	821

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

CHART NO. 8-A

IRRIGATION SEASON OF 1953

JUNE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
19	19	19	17	17	17	17	17	17	19	19	19	21	21	21	21	21	21	21	22	22
2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
31	31	31	31	31	31	31	31	31	31	28	28	28	28	28	28	28	28	28	28	28
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
45	45	45	45	45	45	45	51	51	51	55	55	55	55	55	59	59	59	59	59	59
115	112	109	106	106	106	103	103	103	109	112	112	115	115	115	115	115	115	115	115	115
115	109	101	99	93	88	84	84	77	74	69	65	61	58	58	58	58	60	60	60	60
61	56	56	56	56	56	53	53	51	51	51	51	51	51	51	51	51	51	51	51	51
12	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
4	4	4	4	4	4	4	4	4	12	12	12	12	12	14	15	21	21	21	21	21
42	37	32	27	24	22	20	18	18	18	18	22	28	36	34	28	25	21	18	16	14
133	132	131	130	129	128	127	126	116	95	87	73	69	67	67	67	69	71	71	71	71
231	226	228	234	216	216	181	202	195	211	215	205	202	212	204	204	202	200	197	202	204
10	12	12	12	12	12	12	12	12	13	13	14	14	15	15	16	16	17	17	18	18
834	813	798	791	763	755	708	732	706	715	711	687	687	701	693	694	696	695	689	694	694

JULY

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
22	22	22	20	20	20	20	22	22	22	24	24	24	24	24	24	24	21	21	21	21	21
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	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15
62	62	62	62	62	62	62	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63
105	107	107	107	106	109	109	112	112	112	112	112	112	114	114	114	116	116	116	116	118	116
63	64	65	66	67	68	69	71	72	73	74	75	75	75	75	75	71	71	67	67	62	62
50	51	51	51	51	51	51	51	52	52	52	52	52	52	52	55	55	55	57	57	57	57
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
15	15	15	15	15	21	21	21	21	16	16	16	16	16	16	16	16	16	16	16	16	16
24	25	25	25	25	25	25	26	26	26	26	26	26	26	27	27	27	27	27	28	28	28
121	127	133	141	148	152	161	161	161	161	161	152	152	152	148	148	148	148	148	148	148	148
216	216	214	216	213	213	226	234	232	234	240	260	266	278	267	269	262	262	266	266	256	256
20	18	18	18	17	17	17	16	16	16	15	15	15	16	16	16	17	17	17	18	18	18
758	767	772	781	787	798	821	836	836	834	843	855	861	876	862	867	859	856	858	862	848	848

ARY AND RETURN FLOW TO BOISE RIVER

CHART NO. 8-A

IRRIGATION SEASON OF 1953

JUNE

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
17	17	17	17	17	19	19	19	21	21	21	21	21	21	21	22	22		599
2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		75
31	31	31	31	31	31	28	28	28	28	28	28	28	28	28	28	28		870
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		416
45	45	45	51	51	51	55	55	55	55	55	59	59	59	59	59	59		1598
106	106	103	103	103	109	112	112	115	115	115	115	115	115	115	115	115		3384
93	88	84	84	77	74	69	65	61	58	58	58	58	60	60	60	60		2401
56	56	53	53	51	51	51	51	51	51	51	51	51	51	51	51	51		1590
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14		400
4	4	4	4	4	12	12	12	12	12	14	15	21	21	21	21	21		315
24	22	20	18	18	18	18	22	28	36	34	28	25	21	18	16	14		1092
129	128	127	125	116	95	87	73	69	67	67	67	69	71	71	71	71		3324
216	216	181	202	195	211	215	205	202	212	204	204	202	200	197	202	204		6485
12	12	12	12	12	13	13	14	14	15	15	16	16	17	17	18	18		521
763	755	708	732	706	715	711	687	687	701	693	694	696	695	689	694	694		23070

JULY

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
20	20	20	22	22	22	24	24	24	24	24	24	24	21	21	21	21	21	683
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	951
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	15	15	436
62	62	62	62	62	62	63	63	63	63	63	63	63	63	63	63	63	63	1934
106	109	109	112	112	112	112	112	112	114	114	114	116	116	116	116	118	118	3456
67	68	69	71	72	73	74	75	75	75	75	75	71	71	67	67	62	62	2070
51	51	51	51	52	52	52	52	52	52	52	55	55	55	57	57	57	57	1620
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	360
15	21	21	21	21	16	16	16	16	16	16	16	16	16	16	16	16	16	502
25	25	25	26	26	25	26	26	26	26	27	27	27	27	27	28	28	28	753
148	152	161	161	161	161	161	152	152	152	148	148	148	148	148	148	148	148	4010
213	213	226	234	232	234	240	260	266	278	267	269	262	262	266	266	256	256	7269
17	17	17	16	16	16	15	15	15	16	16	16	17	17	17	18	18	18	549
787	798	821	836	836	834	843	855	861	876	862	867	859	856	858	862	848	848	24686

TRIBUTARY AND RETURN FLOW

IRRIGATION SEASON

AUGUST

NO.	NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	DRAINAGE DISTRICT #3	21	21	21	21	21	21	21	21	21	19	16	16	16	16	16	20
2.	DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3.	THURMAN DRAIN	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
4.	BOISE SEWER	15	15	14	14	14	14	14	14	14	14	14	14	14	14	14	14
5.	EAGLE DRAIN	63	63	60	60	60	60	63	63	63	63	63	63	63	61	61	61
6.	SOUTH MIDDLETON DRAIN	120	120	120	122	122	122	122	109	90	84	72	72	72	72	72	72
7.	NORTH MIDDLETON DRAIN	58	55	53	50	50	51	51	52	52	53	53	54	54	55	55	56
8.	HARTLEY DRAIN	59	59	59	59	59	59	61	61	61	61	61	61	61	61	61	61
9.	PHYLLIS WASTE	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	16
10.	MASON CREEK	16	16	16	16	16	16	16	16	16	16	17	17	17	17	17	17
11.	WILLOW CREEK	28	28	28	28	32	32	28	28	25	25	25	21	21	21	21	21
12.	MASON DRAIN	148	148	148	146	146	146	144	144	144	144	142	142	142	142	142	147
13.	INDIAN CREEK	260	260	260	262	260	246	258	258	270	260	261	261	246	246	248	248
14.	HARTLEY GULCH	19	19	19	20	20	20	20	20	20	20	21	21	21	21	21	21
TOTAL		855	852	846	846	848	835	846	834	833	806	795	792	777	776	778	794

SEPTEMBER

NO.	NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	DRAINAGE DISTRICT #3	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
2.	DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3.	THURMAN DRAIN	28	28	28	28	28	28	28	28	28	28	28	28	28	28	25	25	25
4.	BOISE SEWER	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
5.	EAGLE DRAIN	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	45	45
6.	SOUTH MIDDLETON DRAIN	72	72	72	72	72	72	72	72	62	62	62	62	62	62	62	62	62
7.	NORTH MIDDLETON DRAIN	51	51	51	46	46	46	46	43	43	43	43	43	39	39	39	39	35
8.	HARTLEY DRAIN	48	48	48	48	48	48	46	46	46	43	43	43	41	41	41	41	41
9.	PHYLLIS WASTE	14	14	14	14	14	14	14	14	12	12	12	12	12	12	12	12	12
10.	MASON CREEK	17	17	17	17	17	17	17	17	17	15	15	15	13	9	9	9	9
11.	WILLOW CREEK	25	31	31	40	40	37	31	25	25	25	21	21	21	21	21	21	19
12.	MASON DRAIN	161	161	161	161	161	161	161	161	153	153	153	153	153	153	153	148	148
13.	INDIAN CREEK	262	262	262	256	268	268	268	268	268	261	261	261	261	261	256	256	256
14.	HARTLEY GULCH	21	21	21	16	16	16	16	16	16	16	19	19	19	20	20	20	21
TOTAL		785	791	791	786	798	795	787	778	758	749	746	746	738	735	726	716	711

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

CHART N.

IRRIGATION SEASON OF 1953

AUGUST

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
21	18	18	18	18	18	18	20	20	20	20	20	20	20	20	20	20	20	20	20	20
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	29	29	29	29	29
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
63	63	63	63	63	61	61	61	61	59	59	59	59	59	59	57	57	57	55	55	55
90	84	72	72	72	72	72	72	72	72	63	63	63	63	63	67	67	67	67	67	72
52	53	53	54	54	55	55	56	56	56	56	56	56	56	56	56	56	56	56	51	51
61	61	61	61	61	61	61	61	65	65	65	61	59	55	51	51	51	48	48	48	48
14	14	14	14	14	14	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16
16	16	17	17	17	17	17	17	17	17	17	17	17	17	17	17	22	22	22	22	17
25	25	25	21	21	21	21	21	21	21	19	19	19	19	21	21	21	25	25	25	25
144	144	142	142	142	142	142	147	147	153	153	161	151	161	161	161	173	173	173	173	161
270	260	261	261	246	246	246	248	250	256	260	256	256	259	256	262	266	264	264	264	274
20	20	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21
833	806	795	792	777	776	778	788	794	804	797	797	795	794	789	797	816	815	812	808	806

SEPTEMBER

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
20	20	20	20	20	20	20	20	20	19	19	19	19	19	19	19	19	19	17	17	17
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
28	28	28	28	28	28	25	25	25	25	25	25	25	25	25	25	21	21	21	21	21
13	13	13	13	13	13	13	12	13	13	13	13	13	13	13	13	13	13	13	13	13
50	50	50	50	50	50	50	45	45	45	45	45	45	45	45	45	45	45	45	45	45
62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62
43	43	43	43	39	39	39	39	35	35	35	35	31	31	31	31	28	28	28	28	28
46	43	43	43	41	41	41	41	41	41	41	37	37	37	37	37	37	37	37	37	37
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
17	15	15	15	13	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
25	25	21	21	21	21	21	21	19	19	19	19	21	21	21	21	21	21	21	21	21
153	153	153	153	153	153	153	148	148	148	148	148	148	148	148	148	148	148	148	148	148
266	264	264	264	264	264	258	258	258	258	258	258	258	253	253	253	253	253	253	248	248
18	18	18	18	18	20	20	20	21	21	21	22	22	22	18	18	18	18	18	18	18
758	749	746	746	738	735	726	716	711	710	710	707	705	700	696	696	689	689	687	682	681

STARTY AND RETURN FLOW TO BOISE RIVER

CHART NO. 8-6

IRRIGATION SEASON OF 1953

AUGUST

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
3	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
6	16	16	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	617
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
1	31	31	31	31	31	31	31	31	31	31	31	29	29	29	29	29	29	29	947
4	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	14	436
3	61	61	61	61	59	59	59	59	59	59	57	57	57	55	55	55	55	55	1851
2	72	72	72	72	72	63	63	63	63	63	67	67	67	67	67	72	72	72	2582
4	55	55	56	56	56	56	56	56	56	56	56	56	56	56	51	51	51	51	1672
1	61	61	61	65	65	65	61	59	55	51	51	51	48	48	48	48	48	48	1775
4	14	14	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	466
17	17	17	17	17	17	17	17	17	17	17	17	22	22	22	22	17	17	17	537
21	21	21	21	21	21	19	19	19	19	21	21	21	25	25	25	25	25	25	743
12	142	142	147	147	153	153	161	151	161	161	161	173	173	173	173	161	161	161	4748
16	246	246	246	250	256	260	256	256	259	256	262	266	264	264	264	274	281	281	8053
21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	638
77	775	778	788	794	804	797	797	795	794	789	797	816	815	812	808	806	813	813	25158

SEPTEMBER

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
20	20	20	20	20	19	19	19	19	19	19	19	19	19	17	17	17	17	17	579
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	90
28	28	28	28	28	28	28	28	28	28	28	28	21	21	21	21	21	21	21	768
12	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	389
50	50	50	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	1425
62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	62	1940
39	39	39	39	35	35	35	35	31	31	31	31	28	28	28	28	28	28	28	1140
41	41	41	41	41	41	41	41	37	37	37	37	37	37	37	37	37	37	37	1249
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	376
13	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	364
21	21	21	21	19	19	19	19	21	21	21	21	21	21	21	21	21	21	21	722
153	153	153	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	148	4579
264	264	256	256	256	258	259	258	258	253	253	253	253	253	248	248	248	248	248	7770
19	20	20	20	21	21	21	22	22	22	18	18	18	18	18	18	18	18	18	579
138	735	726	716	711	710	710	707	705	700	696	696	689	689	687	682	682	681		21970

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

CHART NO. 9

CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUS)

TRIBUTARY GAIN-SEEPAGE GAIN-NET GAIN-BY MONTHS IN ACRE FEET

IRRIGATION SEASON 1953

	APRIL	MAY	JUNE	JULY	AUGUST	SEPT.	TOTALS
BOISE RIVER AT DIVERSION DAM	238698	331834	482894	328208	248850	200146	1830630
DELIVERIES TO CANALS	292154	449414	551326	405896	329880	282168	2310938
TRIBUTARY GAIN	20784	48714	46140	49372	50316	43940	259266
SEEPAGE GAIN	32672	68866	22292	28316	30714	38082	220942
NET GAIN	53456	117580	68432	77688	81030	82022	480208

SUMMARY TABLE IN 24-HOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER AT DIVERSION DAM

CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUS) - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN

IRRIGATION SEASON 1953

BOISE RIVER AT DIVERSION DAM	3978	5352	8048	5294	4014	3336
DELIVERIES TO CANALS	4869	7248	9189	6547	5321	4703
TRIBUTARY GAIN	346	786	769	796	811	732
SEEPAGE GAIN	545	1110	372	457	496	635
NET GAIN	891	1896	1141	1253	1307	1367

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM
CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN - BY MONTHS IN ACRE FEET

CHART NO. 10

SECTION I

	JULY	1953 AUGUST	SEPTEMBER	TOTAL
BOISE RIVER AT DIVERSION DAM	328208	248850	200146	777204
DELIVERIES TO CANALS	351068	271972	220694	843734
TRIBUTARY GAIN	8194	7888	6502	22584
SEEPAGE GAIN	14666	15234	14046	43946
NET GAIN	22860	23122	20548	66530

SUMMARY TABLE IN 24-HOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER AT DIVERSION DAM
CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN

SECTION I

1953

BOISE RIVER AT DIVERSION DAM	5293	4014	3336
DELIVERIES TO CANALS	5662	4387	3678
TRIBUTARY GAIN	132	127	108
SEEPAGE GAIN	237	246	234
NET GAIN	369	373	342

X INCLUDES BOISE RIVER PASSING CALDWELL HIGH LINE.

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE

CHART NO. 11

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

SECTION 2

1953

	JULY	AUGUST	SEPTEMBER	TOTAL
BOISE RIVER AT CALDWELL HIGH LINE	40630	1020	638	42288
DELIVERIES TO CANALS	95458	58928	62112	216498
TRIBUTARY GAIN	41178	42428	37438	121044
SEEPAGE GAIN	13650	15480	24036	53166
NET GAIN	54828	57908	61474	174210

SUMMARY TABLE IN 24-HOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER AT CALDWELL HIGH LINE

CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN

SECTION 2

1953

	JULY	AUGUST	SEPTEMBER
BOISE RIVER AT CALDWELL HIGH LINE	655	16	10
X DELIVERIES TO CANALS	1539	950	1035
TRIBUTARY GAIN	664	684	624
SEEPAGE GAIN	220	250	401
NET GAIN	884	934	1025

X INCLUDED BOISE RIVER AT NOTUS.

BOISE VALLEY CANALS AND ACREAGE

CHART NO. 12

BOARD OF CONTROL (NEW YORK)

NEW YORK IRRIG. DIST.	17,763	
BOISE-KUNA IRRIG. DIST.	48,458	
NAMPA & MERIDIAN IRRIG. DIST.	40,193	
WILDER IRRIG. DIST.	56,622	
BIG BEND IRRIG. DIST.	1,725	
TOTAL - BOARD OF CONTROL.	164,761	ACRES
RIDENBAUGH.	26,747	"
PENITENTIARY.	102	"
BUBB (SOUTH BOISE).	1,057	"
MEEVES.	90	"
ROSSI MILL.	500	"
MANVILLE-LEONARD.	159	"
DAVIS AND LITTLE DAVIS.	634	"
SETTLERS.	12,300	"
THURMAN MILL.	1,799	"
CRUZEN (CONSUMERS).	2,500	"
BOISE CITY.	1,828	"
FARMERS UNION.	8,300	"
BOISE VALLEY.	2,729	"
CAPITOL VIEW.	600	"
NEW UNION.	688	"
NEW CRY CREEK.	3,059	"
BALLANTINE.	763	"
MIDDLETON WATER.	5,640	"
MIDDLETON MILL.	4,400	"
LITTLE PIONEER.	1,286	"
CANYON COUNTY.	4,007	"
LEMP DITCH (EAGLE ISLAND).	300	"

WARM SPRINGS SLOUGH.	441	ACRES
JOPLIN.	94	"
CONWAY & HAMMING.	259	"
THOS. AIKEN.	236	"
CATLIN & MACE.	496	"
HART & DAVIS.	453	"
GRAHAM & GILBERT.	220	"
SEVEN SUCKERS.	58	"
PIONEER IRRIG. DIST.	34,500	"
EUREKA WATER CO.	1,666	"
CALLWELL HIGH LINE.	3,960	"
FARMERS CO-OP DITCH CO.	15,897	"
CANYON DITCH CO.	802	"
SIEGENBERG.	646	"
RIVERSIDE IRRIG. DIST.	10,645	"
PIONEER DIXIE.	2,030	"
EUREKA DITCH CO.	2,670	"
UPPER CENTER POINT.	641	"
LOWER CENTER POINT.	880	"
BOWMAN & SWISHER.	424	"
MAMMON.	449	"
HAAS.	867	"
ISLAND HIGH LINE.	1,000	"
LARSON, BAXTER, LEMP.	200	"
BOONE.	577	"
ANDREWS.	1,068	"
PARMA DITCH CO.	562	"
O'DONNELL.	120	"
MACE & MACE.	80	"
TOTAL.	326,190	"

DRAINAGE WATER (NOT DIVERTED FROM BOISE RIVER)

BLACK CANYON IRRIGATION DISTRICT.	6,500	ACRES
CALLWELL IRRIGATION DISTRICT.	850	"
MORELAND & VAIL (DIXIE CRAIN).	640	"
	7,990	"
GRAND TOTAL.	334,180	"

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 AGAIN REVISED (JULY, 1948), PARTICULARLY TO REDUCE RIVER BOTTOM ACREAGES TO CONFORM TO STEWART DECREE ACREAGES AS DETERMINED BY SPECIAL COMMITTEE. SEE EXPLANATION IN WATER-MASTER'S REPORT FOR 1947.

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. (SOME OF THE ACREAGES WERE REVISED APRIL 10, 1944.)

TABLE SHOWING ACRE FEET
FOR EACH IR

NAME OF CANAL	ACRES IRRIGATED	1939	1940	1941	1942	1943	1944	1945	1946	ACRES IRRIGATED	1947
BOARD OF CONTROL PENITENTIARY	164,761	4.09	4.38	4.71	4.92	5.58	4.63	5.05	4.38	164,332	4.70
BUBB (SOUTH BOISE)	429	4.67	4.07	3.69	3.66	4.81	4.11	3.86	5.16	427	6.57
RIDENBAUGH	745	5.74	5.26	6.36	5.58	6.54	5.82	7.14	6.94	1,057	4.92
SETTLERS	27,000	5.47	5.51	5.96	5.35	5.98	4.67	4.81	5.72	26,747	5.88
	12,300	3.52	3.29	3.79	3.50	4.07	3.26	3.42	3.83	12,300	4.01
THURMAN MILL	1,858	6.21	5.18	5.06	6.25	4.90	5.20	6.33	4.89	1,799	5.81
CONSUMERS	2,500	3.33	2.73	2.26	2.65	2.75	2.36	2.83	2.69	2,500	2.63
BOISE CITY	1,903	5.23	4.79	5.30	4.88	5.24	4.70	4.45	4.91	1,828	5.11
FARMERS UNION	8,900	4.17	3.33	4.40	4.27	4.53	3.56	3.94	4.54	8,900	4.57
BOISE VALLEY	2,729	6.46	5.96	6.41	6.11	5.79	4.98	5.49	6.48	2,729	6.16
NEW UNION	688	5.87	5.67	6.66	5.13	5.66	5.58	5.84	5.79	688	6.36
NEW DRY CREEK	2,720	5.61	5.33	6.61	6.53	6.65	6.46	7.39	7.07	3,059	6.14
BALLANTINE	700	5.28	5.09	4.64	4.74	5.66	5.16	5.29	5.82	763	6.60
MIDDLETON IRRIG. ASSOC.	5,704	5.52	5.89	6.05	5.31	6.77	5.73	5.11	5.02	5,640	4.89
MIDDLETON MILL	4,400	3.42	3.56	3.31	3.15	3.81	4.09	3.35	4.34	4,400	4.18
LITTLE PIONEER	1,286	6.47	5.48	6.16	5.53	6.22	5.64	7.16	8.31	1,286	8.23
CANYON COUNTY	3,790	5.27	4.72	5.36	4.88	5.27	4.94	5.25	5.37	4,007	5.40
EAGLE ISLAND CANALS	2,363	5.25	4.34	5.22	5.38	4.82	5.27	5.10	5.63	2,637	5.21
PHYLLIS	23,500	4.17	3.94	4.46	3.98	4.98	3.63	3.60	4.59	23,500	4.56
EUREKA WATER	1,666	5.05	4.55	5.61	5.04	5.01	4.78	4.82	5.00	1,666	5.70
CALDWELL HIGH LINE	4,010	5.35	5.23	5.01	4.45	4.39	5.09	5.17	4.70	3,960	4.13
FARMERS CO-OP.	15,500	4.45	4.46	5.08	5.17	6.32	4.57	5.01	6.01	15,897	5.36
CANYON (CAMPBELL)	802	7.94	4.77	5.33	6.29	6.67	5.51	6.44	7.41	802	6.79
SIEBENBERG	646	5.05	4.43	4.29	3.25	3.56	3.85	3.64	4.11	646	4.40
RIVERSIDE	10,645	4.55	4.43	5.64	4.90	5.08	3.92	4.58	4.10	10,645	4.74
PIONEER DIXIE	2,015	6.57	6.05	5.95	6.73	6.31	7.61	7.43	6.69	2,030	8.09
EUREKA #2	2,595	5.88	5.94	5.68	4.97	6.28	4.56	5.71	7.58	2,670	8.88
UPPER CENTER POINT	621	5.59	5.70	6.06	5.78	6.09	6.64	6.59	7.15	641	6.85
LOWER CENTER POINT	845	4.67	5.44	5.79	4.97	3.96	5.61	4.48	4.48	880	5.01
MISCELLANEOUS	1,493	5.60	4.59	5.58	5.55	5.22	4.71	5.31	5.24	1,444	5.37
TOTAL	309,114	4.09	4.47	4.89	4.84	5.46	4.51	4.64	4.73	309,880	4.92

ACREAGE TABLE WAS REVISED IN 1947

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

FOR EACH IRRIGATION SEASON FROM 1939

1942	1943	1944	1945	1946	ACRES IRRIGATED	1947	1948	1949	1950	1951	1952	1953
4.92	5.58	4.63	5.05	4.38	164,332	4.70	4.42	4.90	5.83	5.21	5.25	5.11
3.66	4.81	4.11	3.86	5.16	427	6.57	5.78	7.84	6.19	6.48	6.40	5.52
5.58	6.54	5.82	7.14	6.94	1,057	4.92	3.87	4.05	4.08	4.34	3.68	4.13
5.35	5.98	4.67	4.81	5.72	26,747	5.88	4.93	5.83	6.22	6.50	6.42	6.61
3.50	4.07	3.26	3.42	3.83	12,300	4.01	3.55	4.29	4.23	4.35	4.27	4.06
6.25	4.90	5.20	6.33	4.89	1,799	5.81	5.36	4.84	5.78	5.84	5.36	4.94
2.65	2.75	2.36	2.83	2.69	2,500	2.63	2.25	2.79	2.73	2.22	2.70	2.50
4.88	5.24	4.70	4.45	4.91	1,828	5.14	3.33	4.95	5.22	5.70	5.10	5.06
4.27	4.53	3.56	3.94	4.54	8,900	4.57	3.68	5.15	6.05	6.10	5.52	5.61
6.11	5.79	4.98	5.49	6.46	2,729	6.16	5.57	6.93	6.75	7.18	7.11	8.40
5.13	5.66	5.58	5.84	5.79	688	6.36	5.50	5.71	6.13	7.59	6.08	6.59
6.53	6.85	6.46	7.39	7.07	3,059	6.14	5.05	6.45	6.25	6.52	5.49	6.31
4.74	5.66	5.16	5.29	5.82	763	6.60	5.87	6.29	7.01	6.98	6.87	7.68
5.31	6.77	5.73	5.11	5.02	5,640	4.89	3.81	5.48	5.30	5.81	5.51	5.69
3.15	3.81	4.09	3.35	4.34	4,400	4.18	4.46	4.69	4.53	4.97	4.71	4.86
5.53	6.22	5.64	7.16	8.31	1,286	8.23	6.40	7.64	8.80	8.51	9.06	8.60
4.88	5.27	4.94	5.25	5.37	4,007	5.40	4.53	4.76	5.81	5.81	6.08	5.98
5.38	4.82	5.27	5.10	5.63	2,637	5.21	4.95	5.56	5.78	5.84	6.35	6.16
3.98	4.98	3.63	3.60	4.59	23,500	4.56	4.21	4.78	4.96	4.85	4.86	4.42
5.04	5.01	4.78	4.82	5.00	1,666	5.70	4.80	5.39	5.79	6.18	5.61	5.92
4.45	4.39	5.09	5.17	4.70	3,960	4.13	3.31	3.59	3.55	3.76	3.37	4.00
5.17	6.32	4.57	5.01	6.01	15,897	5.36	5.00	5.22	5.88	6.45	6.78	6.67
6.29	6.87	5.51	6.44	7.41	802	6.79	5.54	6.27	6.98	7.99	7.69	7.61
3.25	3.56	3.85	3.64	4.11	646	4.40	4.89	4.47	4.53	4.63	5.07	5.46
4.90	5.08	3.92	4.58	4.10	10,645	4.74	5.50	5.11	6.09	6.54	6.43	5.97
6.73	6.31	7.61	7.43	6.69	2,030	8.09	6.39	9.13	9.06	10.37	10.39	9.30
4.97	6.28	4.56	5.71	7.58	2,670	8.88	7.76	8.45	9.64	9.61	9.25	10.39
5.78	6.09	6.64	6.59	7.15	641	6.85	7.42	8.48	9.09	9.35	9.31	11.06
4.97	3.96	5.81	4.48	4.48	880	5.01	6.63	5.93	6.52	6.73	6.57	7.05
5.55	5.22	4.71	5.31	5.24	1,444	5.37	5.08	5.72	5.78	5.84	5.95	6.01
4.84	5.46	4.51	4.64	4.73	309,860	4.92	4.56	5.09	5.75	5.53	5.51	5.43

TOTAL MONTHLY FLOW IN ACRE FEET AND AVERAGE DAILY FLOW IN SECOND FEET OF ALL DRAINS IN DRAINAGE DISTRICT NO. 2, FOR 29,000 ACRES

1953

[illegible]

SUMMARY TABLE IN SECOND FEET

SHOWING RETURN FLOW TO BOISE RIVER

RETURN FLOW TO ENTIRE RIVER

	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953
APRIL	607	547	558	533	370	287	461	579	17	479	712	1003	973	891
MAY	955	1269	1091	491	591	779	872	1098	680	1213	1018	1223	1555	1896
JUNE	879	1334	1000	778	1223	972	1028	1265	701	1168	1326	1456	1496	1141
JULY	637	746	648	885	657	914	895	916	924	893	1203	1381	1436	1253
AUG.	535	746	637	891	589	675	776	742	894	765	1185	1362	1205	1307
SEPT.	716	840	681	945	652	697	843	951	980	832	1112	1296	1495	1367
AVERAGE	721	914	769	754	680	711	812	925	699	892	1093	1287	1352	1312

RETURN FLOW TO SECTION ONE

JULY	213	290	92	-	139	250	228	331	214	282	343	460	411	369
AUG.	212	269	227	170	196	186	294	316	350	287	378	426	330	373
SEPT.	222	267	190	219	200	203	198	317	310	271	331	360	293	342
AVERAGE	216	275	169	195	178	213	240	321	291	280	351	415	345	362

RETURN FLOW TO SECTION TWO

JULY	422	479	556	-	518	664	666	591	732	611	860	921	1025	884
AUG.	323	482	409	567	393	489	529	459	564	478	807	936	875	934
SEPT.	494	578	491	538	452	493	645	657	679	561	781	936	1202	1025
AVERAGE	413	513	485	552	454	549	613	569	658	550	816	931	1032	947

DISTRIBUTION OF DRAINAGE WATER
TO VARIOUS CANALS

DRAINAGE DISTRICT NO. 2

	PERCENT OF TOTAL		PERCENT OF TOTAL
FARMERS UNION	20.99	CANYON COUNTY	12.68
BOISE VALLEY	10.03	BALLANTINE	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 WHILE CANAL DELIVERIES ARE 100 PERCENT.

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

DRAINAGE DISTRICT NO. 3

	PERCENT OF TOTAL		PERCENT OF TOTAL
BOARD OF CONTROL	49	ROSSI MILL	10
RIDENBAUGH	24	MEEVES	2
BUBB (SOUTH BOISE)	15		

THE CREDITS GIVEN ARE BASED UPON A DRAINAGE DISCHARGE OF 15 SECOND FEET WHILE CANAL DELIVERIES ARE 100 PERCENT.

DRAINAGE DISTRICT NO. 4

	INCHES
THOMPSON MILL	570.98
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 REC.
				SEC. FT.	INCHES	FILE NO.
65-1	4-1-1879	J. S. KRAUS	BALLANTINE			
129-1	4-1-1897	H. E. PLAIN	DRY CREEK	.80	40	373
65-0	4-1-1879	J. W. KOLANDER	BALLANTINE	.54	27	373
65-0	4-1-1879	M. T. GRIFFITH	BALLANTINE	1.40	70	373
73-1	4-1-1880	GOBLE & SONJER	BALLANTINE	.80	40	373
75-1	4-1-1880	C. B. FRANK	DRY CREEK	.54	27	373
136	5-1-1906	H. E. WYMER	DRY CREEK	.816	40.80	380
85-A	5-1-1882	LED MARSTERS	BALLANTINE	.356	17.80	325
137	5-1-1900	B. P. WEAVERLING	WARM SPRINGS	1.60	80	324
138	5-1-1912	WESLEY A. MACE	MACE & MACE	1.60	80	294
85-C	5-1-1883	WM. HUCKBA	CATLIN & MACE	.40	20	293
85-L	5-1-1883	C. H. SCHMELZER	DRY CREEK	.203	10.15	321
85-L	5-1-1883	C. W. MCCLURG	BALLANTINE	.7506	37.53	320
124-1	5-1-1893	W. D. CHARTERS	DRY CREEK	.35	17.50	319
85-6	4-1-1883	JACOB BISHAM	DRY CREEK	.825	37.50	318
77-1	4-1-1882	ROC HELMS	SETTLERS	1.00	50	317
4-1	4-1-1865	ADOLPH BAHLER	RIVERSIDE IRRIG. DIST.	3.674	183.70	295
4-1	4-1-1870	ADOLPH BAHLER	BAHLER	.80	40	412
35-1	6-1-1867	RALPH T. KNIGHT	BAHLER	.80	40	412
118-1	6-1-1890	ANNA SPENCER	CANYON COUNTY	1.76	88	419
118-6	6-1-1890	WILLIS B. SPENCER	RIVERSIDE IRRIG. DIST.	.72	36	12-A MISO.
118-0	6-1-1890	REBECCA BELL	" " "	.10	5	" "
114-1	5-1-1899	NEIL & PATRICK O'DONNELL	" " "	.40	20	" "
114-6	5-1-1899	GUN A. BARTH	O'DONNELL & BARTH	1.60	80	466
77-1	6-1-1891	" "	" "	.80	40	467
77-6	6-1-1891	CHARLES JURRIES	PARMA DITCH CO.	1.60	80	467
77-0	6-1-1891	JAMES FINLAY	" " "	.34	17	467
77-0	6-1-1891	LESTER J. SHIPPY	" " "	.80	40	467
31-1	6-1-1886	WM. MUSSER	" " "	1.30	65	467
31-6	6-1-1886	MINNIE & JERRY COUZENS	LAWRENCE & KENNEDY	2.30	115	482
31-0	6-1-1886	ALBERT C. BOWERMAN	MIDDLETON WATER	.60	30	482
77-1	4-1-1879	ISLAND HIGHLINE DITCH CO.	LAWRENCE & KENNEDY	1.10	55	482
137-1	4-1-1910	" " " "	" " "	3.00	150	491
138	4-1-1915	" " " "	" " "	7.00	350	491
77-1	1890	ALBERT LEMP ET AL	" " "	10.00	500	491
77-6	1865	LOUISE SLOMONSON	LARSEN-BAXTER & LEMP	3.20	160	496
77-6	1865	FIRST NAT. BANK OF PUEBLO	LEMP DITCH-EAGLE ISLAND	6.00	300	496
77-6	1865	S. G. HARTES & AMELIA EISLEY	BUBB	1.80	90	497
51-1	1870	" " " "	BUBB	.50	25	498
1-1	1880	" " " "	"	1.00	50	498
				.84	42	498

TABLE SHOWING CHANGE IN POINT

NO. OF CHANGE OF POINT OF DIVERSION	POINT OF DIVERSION		DATE OF CHANGE	PRIORITY		NO. OF ACRES
	FROM	TO		NO.	DATE	
3	EUREKA NO. 2	EUREKA NO. 2	4-2-1912	96	10-1-87	80
9	PIONEER DIXIE	PIONEER DIXIE	7-31-1912			
29	CALEWELL HIGH LINE	CANYON COUNTY	8-26-1918			50
32	DAVIS	DAVIS DITCH	7-15-1919			
35	PIONEER DIXIE	RIVERSIDE	4-3-1919			160
36	CANYON COUNTY	MIDDLETON WATER	4-12-1918	35	6-1-57	
38	HART & DAVIS	SEVEN SUCKERS	9-24-1915			
39	HART & DAVIS	SEVEN SUCKERS	6-12-1918			
48	PIONEER DIXIE	PIONEER DIXIE	9-26-1918			
50	LOWER GEN. POINT	BOWMAN & SWISHER	3-31-1920	19	6-1-65	
51	LOWER GEN. POINT	BOWMAN & SWISHER	3-31-1920	20	6-1-65	
54	CANYON COUNTY	MIDDLETON MILL	4-24-1920	35	6-1-67	
57	MIDDLETON WATER	BALLANTINE	12-2-1920	65	6-1-77	35
59	KENNEDY	CANYON COUNTY	3-18-1921	31	6-1-66	
61	KENNEDY & LAWRENCE	MIDDLETON WATER	6-22-1921	31-B	6-1-66	
64	BALLANTINE	DRY CREEK	12-21-1921	102	6-1-88	
75	MIDDLETON MILL	CANYON COUNTY	11-25-1924			
76	SETTLERS	SETTLERS	3-12-1925	65-B	4-1-83	
77	BUBB	BAHLER	4-26-1925	8-A	4-1-65	80
77	BUBB	BAHLER	4-26-1925	47-A	4-1-70	
83	WARM SPRINGS	SETTLERS	4-29-1926			
84	MIDDLETON WATER	FARMERS UNION	3-9-1926	65	6-1-77	
85	UPPER GEN. POINT	EUREKA NO. 2	5-7-1926			
91	BALLANTINE	DRY CREEK	6-23-1926	103		
103	PARMA DITCH	PARMA DITCH	10-3-1928			
126	LAWRENCE & KENNEDY	MIDDLETON WATER	3-25-1931	31-A	6-1-66	
127	BOWMAN & SWISHER	LARSEN, BAXTER & LEMP	8-15-1930		6-1-65	
131	EUREKA NO. 2	LOWER CENTER POINT	1-16-1932	89	11-9-83	
140	BALLANTINE	NEW DRY CREEK	4-23-1934	85-0	5-1-83	
141	FISCHER POWER	FISCHER POWER	12-18-1934		7-9-12	
147	MIDDLETON MILL	CANYON COUNTY	1-8-1936		6-1-67	
148	PIONEER DIXIE	UPPER GEN. POINT NO. 1	4-17-1936	96	10-1-87	
151	NEW DRY CREEK	BALLANTINE	2-18-1937		5-1-93	
152	BAHLER DITCH	RIDENBAUGH	5-15-1937		4-1-70	
153	REIN*KEOGH*BAHLER	RIDENBAUGH	5-15-1937		5-1-95	
154	BAHLER DITCH	RIDENBAUGH	5-15-1937		4-1-65	
159	UPPER CENTER POINT	EUREKA NO. 2	5-27-1939		6-1-65	
161	BALLANTINE	NEW DRY CREEK	5-5-1940	103	6-1-88	
174	BALLANTINE	NEW DRY CREEK	3-28-1944	103	6-1-88	
175	RIVERSIDE	EUREKA	4-11-1944		6-1-83	
176	MAMMON DITCH	HAAS DITCH	4-18-1944		6-1-78	
179	CATLIN-MACE	SEVEN SUCKERS	3-31-1945	5) 52)	6-1-64) 6-1-71)	

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

DATE OF CHANGE	PRIORITY		NO. OF ACRES	QUANTITY IN INCHES	BY WHOM	REMARKS
	NO.	DATE				
4-2-1912	96	10-1-67	80		THOS. T. JOHNSTON	
7-31-1912					ALBERT F. CLEMONS	
8-26-1918			50	50	J. C. HUGHES	
7-15-1919					ED DAVIS	
4-3-1919			160	100	REBECCA BELL	
4-12-1918	35	6-1-67		19	DRAPER & OTHERS	
9-24-1915				52	SHAFFER & OTHERS	
6-12-1918					GEORGE RAMBO	
9-25-1918					JAS. E. RUARK	TO INDIAN CREEK
3-31-1920	19	6-1-65		144	JOHN S. SWISHER	
3-31-1920	20	6-1-65		320	BIRD BOWMAN	
4-24-1920	35	6-1-67		55 $\frac{1}{2}$	H. G. DUDLEY	FOOTE & WISEMAN
12-2-1920	65	6-1-77	35	30	EDWARD MCCLINTICK	
3-18-1921	31	6-1-66		130	W. KENNEDY	
6-22-1921	31-B	6-1-66		30	MINNIE COUZENS	
12-21-1921	102	6-1-68		10	HARRY SEAVEY	
11-25-1924				25	DETWEED ETC. BANK	
3-12-1925	85-B	4-1-83		50	JACOB BINGHAM	
4-26-1925	8-A	4-1-65	80	40	ADOLPH BAHLER	
4-26-1925	47-A	4-1-70		40	ADOLPH BAHLER	
4-29-1926				36	LEO MARSTERS	
3-9-1926	65	6-1-77		40	J. C. RALPH	
5-7-1926				25	J. C. BRUCE	
6-23-1926	103			32 $\frac{1}{2}$	IRA E. BARBER	NOT APPROVED BY E
10-3-1928					CHARLES JURRIES	SECRETARY
3-25-1931	31-A	6-1-60		115	WM. MUSSER	
8-15-1930		6-1-65		40	WM. BAXTER	
1-16-1932	89	11-9-83		35	R. E. MCGUIRE	
4-23-1934	85-D	5-1-83		3	CHAS. H. SCHMELZER	
12-18-1934		7-5-12			FISCHER POWER ONLY	BELOW FAIRVIEW BR
1-8-1936		6-1-67		10	CORA M. CLIFTON	
4-17-1936	96	10-1-87		75	CORA GREER	DECREED TO AMERICA
2-18-1937		5-1-93		6.75	J. H. CONE	
5-15-1937		4-1-70		40	ADOLPH BAHLER	
5-15-1937		5-1-95		50	ADOLPH BAHLER	
5-15-1937		4-1-65		40	ADOLPH BAHLER	
5-27-1939		6-1-65		5	RAYMOND T. BRESHEARS	
5-5-1940	103	6-1-88		32 $\frac{1}{2}$	SID BARBER	
3-28-1944	103	6-1-88		12	FRANK M. RAY	
4-11-1944		6-1-83		85	WILBUR BRESHEARS	
4-18-1944		6-1-78		440	CHARLOTTIE L. ALLEN	
3-31-1945	5)	6-1-61)		12	IDAHO FISH & GAME DEPT.	
	52)	6-1-71)				

NOR IN POINT OF DIVERSION OF DECREE RIGHTS ON BOISE RIVER

CHART NO. 22

NO. OF ACRES	QUANTITY IN INCHES	BY WHOM	REMARKS
80		THOS. T. JOHNSTON	
90	80	ALBERT F. CLEMONS	
		J. C. HUGHES	
180	100	ED DAVIS	
	19	REBECCA BELL	
	52	CRAPER & OTHERS	
		SHAFFER & OTHERS	
		GEORGE RAMBO	
	144	JAS. D. RUARK	TO INDIAN CREEK
	320	JOHN S. SWISHER	
	58 1/2	BIRD BOWMAN	
35	30	H. G. DUDLEY	FOOTE & WISEMAN
	130	EDWARD MCCLINTICK	
	30	W. KENNEDY	
	10	MINNIE COUZENS	
	25	HARRY SEAVEY	
	50	DETWEED ETC. BANK	
80	40	JACOB BINGHAM	
	40	ADOLPH BAHLER	
	36	ADOLPH BAHLER	
	40	LEO MARSTERS	
	25	J. C. RALPH	
	32 1/2	J. C. BRUCE	
		IRA E. BARGER	NOT APPROVED BY DITCH COMPANIES SECRETARY
	115	CHARLES JURRIES	
	40	WM. MUSSER	
	35	WM. BAXTER	
	3	R. E. MCGUIRE	
		CHAS. H. SCHMELZER	
	10	FISCHER POWER ONLY	BELOW FAIRVIEW BRIDGE
	75	CORA M. CLIFTON	
	6.75	DORA GREER	DECREED TO AMERICAN DITCH ASSOC.
	40	J. H. CONE	
	50	ADOLPH BAHLER	
	40	ADOLPH BAHLER	
	5	ADOLPH BAHLER	
	32 1/2	RAYMOND T. BRESHEARS	
	12	SID BARGER	
	85	FRANK M. RAY	
440		WILBUR BRESHEARS	
	12	CHARLOTTIE L. ALLEN	
		IDAHO FISH & GAME DEPT.	

NO. OF TRANS.	POINT OF DIVERSION		PRIORITY		DATE OF TRANSFER	QUANTITY IN INCHES	B TRAN
	FROM	TO	NO.	DATE			
34	SETTLERS	SETTLERS	92	10-17-84	3-16-1909)	15	WAL
34	"	"	122	6-1-91	3-16-1909)		
36	AMERICAN DITCH ASSN.	PIONEER DIXIE	96	10-1-87	1-19-1909	100	C. H.
36	AMERICAN DITCH ASSN.	CANYON DITCH	96	10-1-87	9-1-1909	605	WM.
45	SETTLERS	SETTLERS			2-5-1910	10	J. E.
46	BARBER LUMBER CO.	PENITENTIARY	50	6-1-66	2-4-1910	112	BARB
47	AMERICAN DITCH ASSN.	EUREKA NO. 2	96	10-1-87	3-18-1910	1475	AMER
48	AMERICAN DITCH ASSN.	PIONEER DIXIE	96	10-1-87	3-31-1910	210	NICH
50	SETTLERS	SETTLERS			6-7-1910	20	J. P.
62	PIONEER DIXIE	EUREKA NO. 2	96	10-1-87	11-14-1910	50	J. A.
71	UPPER GEN. POINT	EUREKA NO. 2	24	6-1-65	3-14-1911	40	J. T.
105	SIEBENBERG	CANYON DITCH	9	6-1-65	9-18-1912	25	H. E.
111	EUREKA NO. 2	HILLCREST	96	10-1-87	11-25-1912	60	H. L.
111	PIONEER DIXIE	HILLCREST	8	9-1-64	11-25-1912)	1017	H. L.
111	"	"	45	6-1-65)	11-25-1912)		
136	JACOBS	FARMERS UNION	2	6-1-64	6-8-1914	1000	BOISE
219	PIONEER IRR. DIST.	PIONEER IRR. DIST.			7-15-1918	432	PIONE
300	MIDDLETON MILL	DRY CREEK			4-20-1921	17.5	EMMA V
301	MIDDLETON MILL	DRY CREEK			4-20-1921	77	JOHN F
347	MIDDLETON MILL	SETTLERS	3	6-1-64	2-6-1925	7	C. E.
349	MIDDLETON MILL	SETTLERS	3	6-1-64	2-6-1925	7	FRANK
350	MIDDLETON MILL	SETTLERS	3	6-1-64	2-6-1925	7	CARL A
357	MIDDLETON WATER	SETTLERS	65	6-1-77	5- -1925	10	NELLIE
370	BOISE CITY	FARMERS UNION	33	6-1-66	3-16-1926	56.2	HENRY
373	BOISE CITY	FARMERS UNION	33	6-1-66	4-26-1926	18.7	L. A. F
374	MIDDLETON WATER # 1	FARMERS UNION	65	6-1-77	5-6-1926	20	H. D. F
375	MIDDLETON WATER	FARMERS UNION	65	6-1-77	5-6-1926	10	A. G. W
384	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	20	MARY F.
385	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	13.3	H. F. M
386	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	20	H. B. B
387	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	20	E. E. S
391	MIDDLETON MILL	FARMERS UNION	3)	6-1-64)	8-13-1926	7.5	RUSH CH
			54)	6-1-71)			
392	MIDDLETON WATER	RIDENBAUGH	65	6-1-77	8-21-1926	20	FRED E
393	MIDDLETON MILL	FARMERS UNION	3)	6-1-54)	9-15-1926	14.4	A. C. B
393	MIDDLETON MILL	FARMERS UNION	54)	6-1-71)			
393	MIDDLETON MILL	FARMERS UNION	120)	6-1-21)			
395	MIDDLETON WATER	FARMERS UNION	65	6-1-77	11-16-1926	25	G. R. M
412	THURMAN	SETTLERS	81	6-1-62	12-2-1927	20	CHAS. P.
430	FARMERS UNION	SETTLERS	65	6-1-77	7-2-1928	12.5	O. E. AL
466	RIDENBAUGH	NEW YORK	106	8-20-88	7-6-1929	445	W. H. T
468	SETTLERS	SETTLERS	65	6-1-77	7-12-1929	5	C. C. W
477	SETTLERS	SETTLERS	92	10-17-84	11-18-1929	10	CHASE N.
483	SETTLERS	SETTLERS	92	10-17-84	4-7-1930	3	FRANK P.
512	JACOBS CANAL	FARMERS UNION	1	6-1-64	5-27-1932	50	W. SCOTT
513	JACOBS CANAL	FARMERS UNION	1	6-1-64	5-27-1932	25	FARMERS
530	JACOBS DITCH	FARMERS UNION	1	6-1-64	5-15-1934	15	A. B. W
542	FARMERS UNION	FARMERS UNION	2	6-1-64	12-31-1934	34.37	FELLER
555	JACOBS CANAL	NAMPA-AMERICAN	1	6-1-64	9-9-1938	10	BOISE T
555	JACOBS CANAL	SETTLERS	1	6-1-64	9-9-1938	10	BOISE T
608	RIVERSIDE	PIONEER DIXIE	88	6-1-63	4-29-1940	50	W. F. T
644	RIVERSIDE	PIONEER DIXIE	88	6-1-63	11-12-1942	35	S. E. S
654	CONSUMERS	SETTLERS	30	5-1-66	10-18-1943	25	W. W. H
654	CONSUMERS	SETTLERS	30	5-1-66	10-18-1943	50	W. W. H
654	CONSUMERS	SETTLERS	30	5-1-66	10-18-1943	25	W. W. H

TRANSFERS OF DECREEED RIGHTS ON BOISE RIVER

CH

	<u>DATE OF TRANSFER</u>	<u>QUANTITY IN INCHES</u>	<u>BY WHOM TRANSFERRED</u>	<u>REMARKS</u>
1	3-16-1909)	15	WALTER S. BRUCE	
1	3-16-1909)			
7	4-19-1909	100	C. H. ROSENBERGER	CHANGE IN POINT OF DIVERSION ONLY
7	9-1-1909	605	WV. M. MESSLER	
6	2-5-1910	10	J. E. MOORE	
7	2-4-1910	112	BARBER LUMBER CO.	
7	3-18-1910	1475	AMERICAN DITCH ASSN.	CHANGE IN POINT OF DIVERSION ONLY
7	3-31-1910	210	NICHOLS & COOPER	CHANGE IN POINT OF DIVERSION ONLY
7	6-7-1910	20	J. P. CLEEK	
7	11-14-1910	50	J. A. CARTRIGHT	
5	3-14-1911	40	J. E. ROLAND	CHANGE IN POINT OF DIVERSION ONLY
5	9-18-1912	25	H. E. MEEK	
7	11-25-1912	60	H. L. RANDALL & OTHERS	
4)	11-25-1912)	1017	H. L. RANDALL & OTHERS	
9)	11-25-1912)			
4	6-8-1914	1000	BOISE FRUIT TRACT CO.	
	7-15-1918	432	PIONEER IRR. DIST.	LICENSED RIGHT INDIAN CREEK
	4-20-1921	17.5	EMMA W. FOWLER	
	4-20-1921	77	JOHN F. GROOME	
54	2-6-1925	7	C. E. WHITE	
54	2-6-1925	7	FRANK WEASEL	
54	2-6-1925	7	CARL A. LISH	
77	5- -1925	10	NELLIE B. WHITAKER	
66	3-16-1926	56.2	HENRY W. BARTLETT	
66	4-26-1926	18.7	L. A. RICE	
77	5-6-1926	20	H. D. PARKS	
77	5-6-1926	10	A. G. WING	
77	7-8-1926	20	MARY F. LEACH	
77	7-8-1926	13.3	H. E. MCCONNELL	
77	7-8-1926	20	H. W. BARTLETT	
77	7-8-1926	20	E. E. SMITH	
64)	8-13-1926	7.5	RUSH CHASE	
71)				
77	8-21-1926	20	FRED EGGERS	
54)	9-15-1926	14.4	A. C. BOWERMAN	
71)				
91)				
77	11-16-1926	25	G. R. MCQUIRE	
62	12-2-1927	20	CHAS. P. MAGE	
77	7-2-1928	12.5	O. E. ALLISON	FORMERLY MIDDLETON WATER
68	7-6-1929	445	W. H. TULLER	
77	7-12-1929	5	C. C. WOOD	
64	11-18-1929	10	CHASE N. WALKER	
64	4-7-1930	3	FRANK P. WEASEL	
64	5-27-1932	50	W. SCOTT ANDERSON	
64	5-27-1932	25	FARMERS UNION DITCH	
64	5-15-1934	15	A. B. WHITNEY	
64	12-31-1934	34.37	FEDERAL LAND BANK	
64	9-9-1938	10	BOISE TRUST CO.	SONERMEIR
64	9-9-1938	10	BOISE TRUST CO.	FALK
63	4-29-1940	50	W. F. TRACY	
63	11-12-1942	35	S. E. SMITH	
66	10-16-1943	25	W. W. HOWELL	LARSON TRACT
66	10-16-1943	50	W. W. HOWELL	HAMMING TRACT
66	10-16-1943	25	W. W. HOWELL	BUDGE TRACT

TRANSFERS OF DECREEED RIGHT

NO. OF TRANSFER	POINT OF DIVERSION		PRIORITY		DATE OF TRANSFER	QUANTITY IN INCHES	BY WH TRANSFER
	FROM	TO	NO.	DATE			
660	RIVERSIDE	PIONEER LIXIE	80	6-1-83	4-11-1944	30	L. W.
694	CONSUMERS	SETTLERS	30	5-1-66	4-29-1946	8	W. W.
694	"	"	30	5-1-66	4-29-1946	6	"
694	"	"	30	5-1-66	4-29-1946	7	"
694	"	"	30	5-1-66	4-29-1946	13	"
701	"	NEW YORK	30	5-1-66	12-20-1946	100	"
702	"	SETTLERS	30	5-1-66	12-20-1946	30	"
712	"	"	30	5-1-66	6-14-1947	10	"
712	"	"	30	5-1-66	6-14-1947	10	"
712	"	"	30	5-1-66	6-14-1947	25	"
713	"	NEW TRY CREEK	30	5-1-66	6-14-1947	27	"
717	STEBENBERG	FARMERS CO-OP	9	6-1-65	11-25-1947	32	R. M. T.
720	CONSUMERS	SETTLERS	30	5-1-66	5-4-1948	10	W. A. H.
720	"	"	30	5-1-66	5-4-1948	10	"
720	"	"	30	5-1-66	5-4-1948	7	"
720	"	"	30	5-1-66	5-4-1948	10	"
720	"	"	30	5-1-66	5-4-1948	20	"
720	"	"	30	5-1-66	5-4-1948	10	"
736	THURMAN MILL	"	37	6-1-68	3-9-1949	50	AIRCRAFT
736	CONSUMERS	"	30	5-1-66	3-9-1949	55	W. W. H.
739	"	"	30	5-1-66	4-2-1949	7.5	"
753	"	"	30	5-1-66	4-14-1950	23	J. R. F.
754	"	MIDDLETON MILL	30	5-1-66	4-14-1950	20	J. R. F.
790	HILLCREST	NEW YORK	8	9-1-64	3-28-1952	1000	FOREST S
790	"	"	45	6-1-69	3-28-1952	17	"
790	"	"	96	10-1-87	3-28-1952	60	"

TRANSFERS OF DECREEED RIGHTS ON BOISE RIVER

CHART NO. 23-A

<u>DATE OF TRANSFER</u>	<u>QUANTITY IN INCHES</u>	<u>BY WHOM TRANSFERRED</u>	<u>REMARKS</u>
4-11-1944	30	L. W. BALDWIN	KENNETH O. EARL
4-20-1946	8	W. W. HOWELL	L. R. FEWES
4-29-1946	6	"	D. G. STARK
4-29-1946	7	"	G. W. KYLE
4-29-1946	13	"	REX JENSON (BOISE-KUNA IRRIG. DIST.)
12-20-1946	100	"	MRS. EDITH CURTIS
12-20-1946	30	"	CLYDE SIMPSON
6-14-1947	10	"	JOHN DEVON
6-14-1947	10	"	LEN SIMPSON
6-14-1947	25	"	J. S. BEEBE
6-14-1947	27	"	
11-25-1947	32	R. W. TUCKER	W. E. LOTY
5-4-1948	10	W. W. HOWELL	TOM ERCUTAGA
5-4-1948	10	"	LOUIS ODERMOTT
5-4-1948	7	"	W. H. CALDWELL
5-4-1948	10	"	NORMAN C. STEELE
5-4-1948	20	"	GEORGE LERT ROYLAND
5-4-1948	10	"	
3-2-1949	50	AIRCRAFT SERVICE CO.	
3-5-1949	55	W. W. HOWELL	
4-2-1949	7.5	"	
4-14-1950	23	J. R. FIELD	8" HAUER TRACT, 15" KIVBLE TRACT
4-14-1950	20	J. R. FIELD	BRINK TRACT
3-26-1952	1000	FOREST SOWER	
3-26-1952	17	"	
3-26-1952	60	"	

NO.	DATE	NAME	AMOUNT DECREEED		NO.	DATE	NAME	AMOUNT DE
			SEC. FT.	INCHES				SEC. FT.
1.	X6-1-64	THOMAS DAVIS			46.	6-1-69	MASON CREEK DITCH CO.	37.20
2.	X6-1-64	JACOBS CANAL CO.	2.20	110	47.	X6-1-69	T. W. BOONE	3.50
3.	X6-1-64	MIDDLETON MILL DITCH	20.00	1000	48.	6-1-70	W. J. HAMMING	2.60
4.	X6-1-64	THOMAS ANDREWS	12.60	640	49.	6-1-70	PIONEER CANAL	25.72
5.	X6-1-64	CATLIN & MACE	3.30	165	50.	6-1-69	BARBER LUMBER CO.	2.24
			2.86	143				
6.	X6-1-64	T. C. CATLIN	3.30	165	51.	X6-1-70	THOMAS ANDREWS	1.30
✓ 7.	X6-1-64	D. C. HAVIRD	3.30	165	52.	6-1-71	CATLIN & MACE	7.86
8.	X6-1-64	PIONEER DIXIE DITCH CO.	20.00	1000	53.	6-1-71	PETER MEEVES	1.80
9.	X6-1-65	SIEBENBERG DITCH CO.	13.42	671	54.	6-1-71	MIDDLETON MILL DITCH CO.	33.70
✓ 10.	X6-1-65	ALLEN V. WEBSTER	1.20	60	55.	6-1-72	J. F. YARYAN	.70
✓ 11.	X6-1-65	J. F. YARYAN	.66	33	56.	6-1-72	J. F. YARYAN	1.40
12.	X6-1-65	GRAHAM & GILBERT	4.40	220	57.	6-1-72	MARY C. DAVIS	4.40
13.	X6-1-65	EUREKA WATER CO.	33.32	1666	58.	6-1-72	EDWARD N. HART	3.30
14.	X6-1-65	NEW UNION DITCH CO.	13.76	688	59.	X6-1-74	J. W. BOONE	2.20
15.	X6-1-65	BOISE VALLEY IRRIG. DITCH CO.	54.58	2729	60.	X6-1-75	FARMERS COOPERATIVE DITCH CO.	10.00
✓ 16.	X6-1-65	RIDENBAUGH & ROSE	✓ 9.20	460	61.	6-1-76	EDWARD & MARY CLARK	2.30
17.	X6-1-65	RIDENBAUGH & ROSE (POWER)	265.80	13290	62.	6-1-76	JOHN CECIL	.41
18.	X6-1-65	DENVER & IDAHO LAND CO.	.90	40	63.	6-1-77	THOMAS ATKENS	5.20
19.	X6-1-65	MARTHA BOWMAN	2.88	144	64.	6-1-77	R. H. CONWAY	.90
20.	X6-1-65	BIRD BOWMAN	6.40	320	65.	6-1-77	MIDDLETON WATER CO.	114.08
21.	X6-1-65	J. W. GESS	2.90	145	66.	7-1-77	PERRAULT & JOHNSON (POWER)	200.00
22.	X6-1-65	ROBERT MCQUIRE	3.20	160	67.	5-1-78	NANPA-MERILLIAN IRRIG. LIST.	170.00
23.	X6-1-65	G. W. COOPER	3.20	160	68.	X6-1-78	JOHN MAMMON	4.20
24.	X6-1-65	J. W. ROLAND	2.40	120	69.	X6-1-78	JULIA MAMMON	3.36
25.	X6-1-65	CHAPER & WELLS	3.94	197	70.	X6-1-78	CHARLES ALLEN	6.90
26.	X6-1-65	THOMAS J. PALMER	1.60	80	71.	X6-1-78	R. H. STOCKTON	4.40
27.	X6-1-65	NOAH W. PALMER	1.56	79	72.	6-1-79	NEW ERY CREEK DITCH CO.	31.32
28.	X6-1-65	J. N. TUCKER	7.00	350	73.	X6-1-79	E. MUMFORD	4.00
29.	X6-1-65	THOMAS ANDREWS	6.00	300	74.	X6-1-80	SMITH STOCKTON	1.76
30.	X6-1-65	J. PERRAULT & R. JOHNSON	50.00	2500	75.	6-1-80	ISHAM JOPLIN	2.40
31.	X6-1-66	WILLIAM P. KENNEDY	2.60	130	76.	10-20-80	JOSEPH GOBLE	.90
32.	X6-1-66	MANVILLE & LEONARD	3.50	175	77.	10-29-80	FRANKLIN DITCH CO.	27.60
33.	6-1-66	BOISE CITY CANAL CO.	38.06	1903	78.	6-1-82	ALLEN V. WEBSTER	.90
34.	6-1-66	FRANKLIN DITCH CO.	15.40	770	79.	6-1-82	SUSIE CAMPBELL	.60
35.	6-1-67	CANYON CO. WATER CO.	75.80	3790	80.	6-1-82	J. T. BARBER	1.60
✓ 36.	6-1-68	MARTHA E. MCCARTHY	14.10	705	81.	6-1-82	SONORA JOPLIN	3.40
✓ 37.	6-1-68	H. E. & LORA GOODMAN	3.70	185	82.	6-1-82	S. W. HUTCHINSON	.44
38.	X6-1-68	T. T. JOHNSON	3.20	160	83.	6-1-82	JOHNSON	.44
39.	X6-1-68	ROSS, ALLEN, DILLEY & ROSS	8.54	427	84.	6-1-82	ANDREW J. JOPLIN	2.66
40.	6-1-68	S. S. GRAY	1.40	70	85.	6-1-82	JAMES L. GRAHAM	2.20
41.	X6-1-69	JOHN MAMMON	1.90	90	86.	X6-1-83	FARMERS COOP. DITCH	20.00
42.	6-1-69	ISAAC BEDAL	1.60	80	87.	6-8-83	FRANCIS M. JOPLIN	.60
43.	X6-1-69	FREDERICH ODE	3.60	180	88.	X6-1-83	W. A. BLACK	12.00
44.	X6-1-69	PRIOR BURNETT	8.50	425	89.	X11-9-83	EUREKA DITCH CO. NO. 2	21.70
45.	X6-1-69	PIONEER DIXIE DITCH CO.	35.44	1772	90.	6-1-84	PIONEER IRRIG. LIST.	53.10

X INDICATES RIGHTS SUPPLIED BY RETURN FLOW TO RIVER

NO.	DATE	NAME	AMOUNT DECREEED SEC. FT. INCHES		NO.	DATE	NAME	AMOUNT DE SEC. FT.
1.	X6-1-64	THOMAS DAVIS	2.20	110	46.	6-1-69	MASON CREEK DITCH CO.	37.20
2.	X6-1-64	JACOBS CANAL CO.	20.00	1000	47.	X6-1-69	T. W. BOONE	3.50
3.	X6-1-64	MIDDLETON MILL DITCH	12.00	640	48.	6-1-70	W. J. HAMMING	2.60
4.	X6-1-64	THOMAS ANDREWS	3.30	165	49.	6-1-70	PIONEER CANAL	25.72
5.	X6-1-64	CATLIN & MACE	2.80	143	50.	6-1-69	BARBER LUMBER CO.	2.24
6.	X6-1-64	T. C. CATLIN	3.30	165	51.	X6-1-70	THOMAS ANDREWS	1.30
7.	X6-1-64	C. C. HAVIRE	3.30	165	52.	6-1-71	CATLIN & MACE	7.86
8.	X6-1-64	PIONEER DIXIE DITCH CO.	20.00	1000	53.	6-1-71	PETER MEEVES	1.80
9.	X6-1-65	STIEBERBERG DITCH CO.	13.42	671	54.	6-1-71	MIDDLETON MILL DITCH CO.	33.70
10.	X6-1-65	ALLEN V. WEBSTER	1.20	60	55.	6-1-72	J. F. VARYAN	.70
11.	X6-1-65	J. F. VARYAN	.66	33	56.	6-1-72	J. F. VARYAN	1.40
12.	X6-1-65	GRAHAM & GILBERT	4.40	220	57.	6-1-72	MARY C. DAVIS	4.40
13.	X6-1-65	EUREKA WATER CO.	33.32	1666	58.	6-1-72	EDWARD N. HART	3.30
14.	X6-1-65	NEW UNION DITCH CO.	13.76	688	59.	X6-1-74	J. W. BOONE	2.20
15.	X6-1-65	BOISE VALLEY IRRIG. DITCH CO.	54.58	2729	60.	X6-1-75	FARMERS COOPERATIVE DITCH CO.	10.00
16.	X6-1-65	RIDENBAUGH & ROSSI	9.20	460	61.	6-1-76	EDWARD & MARY CLARK	2.30
17.	X6-1-65	RIDENBAUGH & ROSSI (POWER)	265.80	13290	62.	6-1-76	JOHN CECIL	.41
18.	X6-1-65	DENVER & IDAHO LAND CO.	.80	40	63.	6-1-77	THOMAS ATKENS	5.20
19.	X6-1-65	MARTHA BOWMAN	2.88	144	64.	6-1-77	W. H. CONWAY	.60
20.	X6-1-65	BIRD BOWMAN	6.40	320	65.	6-1-77	MIDDLETON WATER CO.	114.08
21.	X6-1-65	J. W. GESS	2.50	145	66.	7-1-77	PERRAULT & JOHNSON (POWER)	200.00
22.	X6-1-65	ROBERT MCQUIRE	3.20	160	67.	5-1-78	NAMPA-MERILIAN IRRIG. DIST.	170.00
23.	X6-1-65	G. W. COOPER	3.20	160	68.	X6-1-78	JOHN MAMMON	4.20
24.	X6-1-65	J. W. ROLAND	2.40	120	69.	X6-1-78	JULIA MAMMON	3.36
25.	X6-1-65	DRAPER & WELLS	3.94	197	70.	X6-1-78	CHARLES ALLEN	8.80
26.	X6-1-65	THOMAS J. PALMER	1.60	80	71.	X6-1-79	R. H. STOCKTON	4.40
27.	X6-1-65	NOAH W. PALMER	1.56	79	72.	6-1-79	NEW DRY CREEK DITCH CO.	21.32
28.	X6-1-65	J. N. TUCKER	7.00	350	73.	X6-1-79	E. MUMFORD	4.00
29.	X6-1-65	THOMAS ANDREWS	6.00	300	74.	X6-1-80	SMITH STOCKTON	1.76
30.	X6-1-65	J. PERRAULT & R. JOHNSON	50.00	2500	75.	6-1-80	ISHAM JOPLIN	2.40
31.	X6-1-66	WILLIAM P. KENNEDY	2.60	130	76.	10-20-80	JOSEPH GOBLE	.90
32.	X6-1-66	MANVILLE & LEONARD	3.50	175	77.	10-20-80	FRANKLIN DITCH CO.	27.60
33.	6-1-66	BOISE CITY CANAL CO.	36.06	1803	78.	6-1-82	ALLEN V. WEBSTER	.90
34.	6-1-66	FRANKLIN DITCH CO.	15.40	770	79.	6-1-82	SUSIE CAMPBELL	.60
35.	6-1-67	CANYON CO. WATER CO.	75.80	3790	80.	6-1-82	J. T. BARBER	1.60
36.	6-1-68	MARTHA E. MCCARTHY	14.10	705	81.	6-1-82	SONORA JOPLIN	3.40
37.	6-1-68	H. L. & LORA GOODMAN	3.70	185	82.	6-1-82	S. W. HUTCHINSON	.44
38.	X6-1-68	T. T. JOHNSON	3.20	160	83.	6-1-82	JOHNSON	.44
39.	X6-1-68	ROSS, ALLEN, DILLEY & ROSS	8.54	427	84.	6-1-82	ANDREW J. JOPLIN	2.66
40.	6-1-68	S. S. GRAY	1.40	70	85.	6-1-82	JAMES L. GRAHAM	2.20
41.	X6-1-69	JOHN MAMMON	1.80	90	86.	X6-1-83	FARMERS COOP. DITCH	20.00
42.	6-1-69	ISAAC BEDAL	1.60	80	87.	6-1-83	FRANCIS M. JOPLIN	.90
43.	X6-1-69	FREDERICH ODE	3.60	180	88.	X6-1-83	W. A. BLACK	12.00
44.	X6-1-69	PRIOR BURNETT	8.50	425	89.	X11-9-83	EUREKA DITCH CO. NO. 2	21.70
45.	X6-1-69	PIONEER DIXIE DITCH CO.	35.44	1772	90.	6-1-84	PIONEER IRRIG. DIST.	53.10

X INDICATES RIGHTS SUPPLIED BY RETURN FLOW TO RIVER

STEWART DECREE

ON

	NAME	AMOUNT DECREE		NO.	DATE	NAME	AMOUNT DECREE	
		SEC. FT.	INCHES				SEC. FT.	INCHES
1	WASH. CREEK DITCH CO.	37.20	1860	91.	85-1-84	RIVERSIDE IRRIG. DIST.	20.00	1000
1	T. W. BOONE	3.80	175	92.	10-17-84	SETTLERS CANAL CO.	95.06	4953
1	R. J. HAMMING	2.60	130	93.	6-1-86	NEW DRY CREEK DITCH	15.22	761
1	PIONEER CANAL	25.72	1266	94.	6-1-86	THOMAS DAVIS	13.80	670
1	BARBER LUMBER CO.	2.24	112	95.	11-23-87	WM. C., L. & E. YOUNG	4.00	200
1	THOMAS ANDREWS	1.30	65	96.	11-1-87	AMERICAN LITCH ASSOC.	47.80	2390
1	CATLIN & MACE	7.80	393	97.	6-1-88	NEW DRY CREEK DITCH CO.	7.06	363
1	PETER MEEVES	1.80	90	98.	6-1-88	A. V. LINDER	4.00	200
1	MIDDLETON MILL DITCH CO.	33.70	1685	99.	6-1-88	LEVI SMITH	1.30	65
2	J. F. VARYAN	.70	35	100.	6-1-88	CHARLOTTE CALHOUN	1.40	70
2	J. F. VARYAN	1.40	70	101.	6-1-88	ED. J. LINDER	1.46	73
2	MARY C. DAVIS	4.40	220	102.	6-1-88	LIZZIE EVERETT	1.20	60
2	EDWARD N. HART	3.30	165	103.	6-1-88	JESSIE WILSON	1.40	70
14	J. W. BOONE	2.20	110	104.	86-1-88	THOMAS ANDREWS	.90	45
15	FARMERS COOPERATIVE LITCH CO.	10.00	500	105.	17-1-88	FARMERS CO-OP DITCH CO.	50.00	2500
16	EDWARD & MARY CLARK	2.30	115	106.	8-20-88	NAMPA-MERIDIAN IRRIG. DIST.	370.04	18542
16	JOHN CECIL	.44	22	107.	5-1-89	CHAS. S. MILLER	.06	3
17	THOMAS ATKINS	5.20	260	108.	5-1-89	LOUIS S. MOSELEY	.02	1
17	R. H. CONWAY	.40	45	109.	5-1-89	S. J. UTTER & S. D. TAYLOR	2.40	120
17	MIDDLETON WATER CO.	114.98	5704	110.	5-1-89	SOUTH BOISE MUTUAL IRRIG. CO.	6.00	300
77	PERHALL & JOHNSON (POWER)	200.00	10000	111.	5-1-89	ESTATE OF J. H. GALLAGHER	2.94	147
78	NAMPA-MERIDIAN IRRIG. DIST.	170.00	8500	112.	5-1-89	ANNA H. FOURTY	.05	2
78	JOHN HAMMON	4.20	210	113.	5-1-89	GRACE CALL	.10	5
78	JULIA HAMMON	7.36	368	114.	5-1-89	SAMUEL H. CAMPBELL	.03	1
78	CHARLES ALLEN	8.80	440	115.	6-1-89	SONORA JOPLIN	.06	3
78	R. H. STOCKTON	1.40	280	116.	6-1-89	SONORA JOPLIN	1.20	60
79	NEW DRY CREEK DITCH CO.	31.32	1566	117.	5-1-90	PIONEER IRRIG. DISTRICT	200.00	10000
79	L. HUMFORD	4.00	200	118.	6-1-91	R. H. CONWAY	2.80	140
80	SMITH STOCKTON	1.76	88	119.	6-1-91	THOMAS DAVIS	.54	27
80	SONORA JOPLIN	2.40	120	120.	6-1-91	MIDDLETON MILL DITCH CO.	17.00	850
80	JOSEPH GOOLY	.90	45	121.	10-1-91	THOMAS ANDREWS	3.50	175
80	FRANKLIN DITCH CO.	27.60	1380	122.	6-1-91	SETTLERS CANAL CO.	73.41	3672
82	ALLEN V. WEBSTER	.90	45	123.	6-1-91	THOMAS ATKIN	.80	40
82	SUSIE CAMPBELL	.90	30	124.	85-1-93	RIVERSIDE IRRIG. DIST.	60.00	4000
82	J. T. BARBER	1.60	80	125.	10-1-93	R. H. STOCKTON	1.76	88
82	SONORA JOPLIN	3.40	170	126.	7-2-94	FARMERS UNION DITCH CO.	110.00	5500
82	S. W. HUTCHINSON	.44	22	127.	5-1-95	CHARLES REED & JANE REED	1.00	50
82	JOHNSON	.44	22	128.	7-1-95	MATHEW CASEY	.06	33
82	ANTHONY J. JOPLIN	2.46	123	129.	10-1-95	FARMERS COOP. DITCH CO.	63.50	4175
82	JAMES L. GRAHAM	2.20	110	130.	11-1-95	RIVERSIDE IRRIG. DIST.	20.00	1000
83	FARMERS COOP. DITCH	20.00	1000	131.	3-23-90	NEW YORK CANAL CO.	219.10	10955
83	FRANCIS M. JOPLIN	.90	45	132.	15-17-90	CANYON DITCH CO.	10.00	500
83	R. A. BLACK	12.00	600	133.	16-1-91	RIVERSIDE IRRIG. DIST.	70.00	3500
83	EUREKA DITCH CO. NO. 2	21.70	1085	134.	11-25-91	CANYON DITCH CO.	5.54	277
84	PIONEER IRRIG. DIST.	59.10	2955	135.	4-1-94	PIONEER IRRIG. DIST.	56.34	2817

A. V. TALLMAN
IRRIG. ENGR.

FEED INCHES	NO.	DATE	NAME	AMOUNT DECREED	
				SEC. FT.	INCHES
1860	91.	X6-1-84	RIVERSIDE IRRIG. DIST.	20.00	1000
175	92.	10-17-84	SETTLERS CANAL CO.	99.06	4953
130	93.	6-1-86	NEW DRY CREEK DITCH	15.22	761
1266	94.	6-1-86	THOMAS DAVIS	13.40	670
112	95.	X1-23-87	WM. C., L. & E. YOUNG	4.00	200
65	96.	X10-1-87	AMERICAN DITCH ASSOC.	47.80	2390
393	97.	6-1-88	NEW DRY CREEK DITCH CO.	7.06	393
90	98.	6-1-88	A. V. LINDER	4.00	200
1665	99.	6-1-88	LEVI SMITH	1.30	65
35	100.	6-1-88	CHARLOTTE CALHOUN	1.40	70
70	101.	6-1-88	ED. J. LINDER	1.46	73
220	102.	6-1-88	LIZZIE EVERETT	1.20	60
165	103.	6-1-88	JESSIE WILSON	1.40	70
110	104.	X6-1-88	THOMAS ANDREWS	.90	45
500	105.	X7-1-88	FARMERS CO-OP DITCH CO.	50.00	2500
115	106.	8-20-88	NAMPA-MERIDIAN IRRIG. DIST.	370.34	18542
22	107.	5-1-89	CHAS. S. MILLER	.06	3
260	108.	5-1-89	LOMMIS S. HOSELEY	.02	1
45	109.	5-1-89	S. J. UTTER & C. E. TAYLOR	2.40	120
57.04	110.	5-1-89	SOUTH BOISE MUTUAL IRRIG. CO.	6.00	300
10000	111.	5-1-89	ESTATE OF J. H. GALLAGHER	2.94	147
8500	112.	5-1-89	ANNA H. FOGARTY	.05	2
210	113.	5-1-89	GRACE CALL	.10	5
168	114.	5-1-89	SAMUEL H. CANFIELD	.03	1
440	115.	6-1-89	SONORA JOPLIN	.06	3
220	116.	6-1-89	SONORA JOPLIN	1.20	60
1566	117.	6-1-90	PIONEER IRRIG. DISTRICT	200.00	10000
200	118.	6-1-91	W. H. CONWAY	2.20	110
88	119.	6-1-91	THOMAS DAVIS	.54	27
120	120.	6-1-91	MIDDLETON MILL DITCH CO.	17.00	850
45	121.	X6-1-91	THOMAS ANDREWS	3.50	175
1360	122.	6-1-91	SETTLERS CANAL CO.	73.41	3672
45	123.	6-1-91	THOMAS AIKEN	.80	40
30	124.	X5-1-93	RIVERSIDE IRRIG. DIST.	60.00	4000
80	125.	X6-1-94	R. H. STOCKTON	1.76	88
170	126.	7-2-94	FARMERS UNION DITCH CO.	110.00	5500
22	127.	5-1-95	CHARLES REH & JANE KEOGH	1.00	50
22	128.	7-1-95	MATHEW CASEY	.66	33
143	129.	X7-1-96	FARMERS COOP. DITCH CO.	83.50	4175
110	130.	X10-1-99	RIVERSIDE IRRIG. DIST.	20.00	1000
1000	131.	3-23-00	NEW YORK CANAL CO.	219.10	10955
45	132.	X5-17-00	CANYON DITCH CO.	10.00	500
600	133.	X6-1-01	RIVERSIDE IRRIG. DIST.	70.00	3500
1085	134.	X10-25-01	CANYON DITCH CO.	5.54	277
2695	135.	4-1-04	PIONEER IRRIG. DIST.	56.34	2817

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25

NAME OF CANAL	CHANGE IN		PRIORITY NO.	DATE	STEWART DECREE	INTERVENORS		BRYAN DECREE	INCHES	TOTAL SEC. FT.
	P. OF C.	TRANSFER				STEWART DECREE				
NEW YORK			131	3-23-1900	219.10				10955	
				3-23-1900				58.86	2943	
				12-14-1903				1354.58	67729	
				6-16-1909				926.50	46325	
		111	8	6-1-1864	20.34				1017	
			45	6-1-1869						
		111	96	10-1-1887	1.20				60	
		466	106	8-20-1888	8.90				445	
		701	30	5-1-1866	2.00				100	2591.48
NAMPA & MERIDIAN			67	5-1-1878	170.00				8500	
			106	8-20-1888	370.84				16542	
		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
BUBB (SOUTH BOISE)			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	
			113	5-1-1889	.10				5	
			114	5-1-1889	.03				2	
			8-B	4-1-1865		1.80			90	
			29-B	4-1-1865		.50			25	
			51-A	1870		1.00			50	
			115-A	4-1-1889		.84			42	
				4-1-1905				5.40	270	21.14
MEEVES			53	6-1-1871	1.80				90	1.80
ROSSI MILL			16	6-1-1865	9.20				460	
			18	6-1-1865	.80				40	10.00
MANVILLE-LEONARD			32	6-1-1866	3.50				175	3.50

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-A

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	TOTAL SEC. FT.
DAVIS			94	6-1-1886	13.40			670	13.40
LITTLE DAVIS			119	6-1-1891	.54			27	.54
SETTLERS			92	10-17-1884	99.06			4953	
			122	6-1-1891	73.44			3672	
		347	3	6-1-1864	.14			7	
		349	3	6-1-1864	.14			7	
		350	3	6-1-1864	.14			7	
		357	65	6-1-1877	.20			10	
		412	81	6-1-1882	.40			20	
	76		85-B	4-1-1883		1.00		50	
	83		85-A	6-1-1882		.72		36	
		430	65	6-1-1877	.25			12.5	
		595	1	6-1-1864	.20			40	
		654	30	5-1-1866	.50			25	
		654	30	5-1-1866	1.00			50	
		654	30	5-1-1866	.50			25	
		694	30	5-1-1866	.16			8	
		694	30	5-1-1866	.12			6	
		694	30	5-1-1866	.14			7	
		694	30	5-1-1866	.26			13	
		702	30	5-1-1866	.60			30	
		712	30	5-1-1866	.20			10	
		712	30	5-1-1866	.20			10	
		712	30	5-1-1866	.50			25	
		720	30	5-1-1866	1.74			67	
		736	37	6-1-1868	1.00			50	
		737	30	5-1-1866	1.10			55	
		739	30	5-1-1866	.15			7.5	
		753	30	5-1-1866	.46			23	183.92
THURMAN MILL			7	6-1-1864	3.30			165	
			10	6-1-1865	1.20			60	
			11	6-1-1865	.66			33	
			36	6-1-1868	14.10			705	
			37	6-1-1868	3.70			185	
			42	6-1-1869	1.60			80	
			55	6-1-1872	.70			35	
			56	6-1-1872	1.40			70	
			62	6-1-1876	.44			22	
			75	6-1-1880	2.40			120	
			76	10-20-1880	.90			45	
			78	6-1-1882	.90			45	
			79	6-1-1882	.60			30	
			81	6-1-1882	2.60			130	
			84	6-1-1882	1.50			75	
			87	6-1-1883	.90			45	
			128	7-1-1895	.66			33	
		412*	81	6-1-1882	.40*			20*	37.16
		736*	37	6-1-1868	1.00*			50*	36.16

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-B

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		AMOUNT DECREED				TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
PENITENTIARY	46		50	6-1-1866	2.24			112	2.24
CRUZEN (CONSUMERS)			30	5-1-1866	50.00			2500	
		654*	30	5-1-1866	.50*			25*	
		654*	30	5-1-1866	1.00*			50*	
		654*	30	5-1-1866	.50*			25*	
		694*	30	5-1-1866	.16*			8*	
		694*	30	5-1-1866	.12*			6*	
		694*	30	5-1-1866	.14*			7*	
		694*	30	5-1-1866	.26*			13*	
		701*	30	5-1-1866	2.00*			100*	
		702*	30	5-1-1866	.60*			30*	
		712*	30	5-1-1866	.20*			10*	
		712*	30	5-1-1866	.20*			10*	
		712*	30	5-1-1866	.50*			25*	
		713*	30	5-1-1866	.54*			27*	43.28
		720*	30	5-1-1866	1.34*			67*	41.94
		737*	30	5-1-1866	1.10*			55*	
		739*	30	5-1-1866	.15*			7.5*	
		753*	30	5-1-1866	.46*			23*	
		754*	30	5-1-1866	.40*			20*	39.83
BOISE CITY			33	6-1-1866	38.06			1903	
		370*	33	6-1-1866	1.124*			56.2*	
		373*	33	6-1-1866	.374*			18.7*	36.562
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					
		391	54)	6-1-1871	.15			7.5	
		393	3	6-1-1864)					
		393	54	6-1-1871)	.268			14.4	
		393	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	512	1	6-1-1864	1.00			50	
		513	1	6-1-1864	.50			25	
		530	1	6-1-1864	.30			15	
				7-2-1894			54.46	2723	191.312

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-C

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY NO.	DATE	STEWART DECREE	INTERVENORS			AMOUNT DECREEED	
						STEWART DECREE	BRYAN DECREE		INCHES	TOTAL SEC. FT.
BOISE VALLEY			15	6-1-1865	54.58				2729	54.58
NEW UNION			14	6-1-1865	13.76				688	13.76
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	
			75-A	6-1-1880		.816			40.8	
			85-C	5-1-1883		.203			10.15	
			85-E	5-1-1883		.35			17.5	
			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						
			102	6-1-1888	.20				10	
64			85-D	5-1-1883		.06			3	
140			124-A	5-1-1893		.135*			6.75*	
151*			103	6-1-1888	.65				32.5	
161			103	6-1-1888	.24				12	
174		713	30	5-1-1866	.54				27	61.119
BALLANTINE			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		.7506			37.53	
			136	5-1-1906		.356			17.8	
57			65	6-1-1877	.60				30	
64*			102	6-1-1888	.20*				10*	
140*			85-D	5-1-1883		.06*			3*	
151			124-A	5-1-1893		.135			6.75	
161*			103	6-1-1888	.65*				32.5*	
174*			103	6-1-1888	.24*				12*	15.25

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-D

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		STEWART DECREE	INTERVENORS		BRYAN DECREE	AMOUNT DECREED	
			NO.	DATE		STEWART DECREE	STEWART DECREE		INCHES	TOTAL SEC. FT.
MIDDLETON WATER			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
MIDDLETON MILL			3	6-1-1864	12.80				640	
			40	6-1-1868	1.40				70	
			54	6-1-1871	33.70				1685	
			120	6-1-1891	17.00				850	
	54		35	6-1-1867	1.11				55.5	
	75*				.50*				25*	
	147*		35	6-1-1867	.20*				10*	
		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						
		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						
		391*	54	6-1-1871	.15*				7.5*	
		393*	3)	6-1-1864						
		393*	54)	6-1-1871	.288*				14.4*	
		393*	120)	6-1-1891						62.562
		754	30	5-1-1866	.40				20	62.962
PIONEER			49	6-1-1870	25.72				1286	25.72
			31-C	6-1-1866			1.10		55	1.10
LAWRENCE & KENNEDY										

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-E

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		AMOUNT DECREE				TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
CANYON COUNTY			35	6-1-1867	75.00			3790	
			35-A	6-1-1867		1.76		88	
	29				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				.50			25	
	147		35	6-1-1867	.20			10	80.37
LEMP DITCH			29-A	1865		6.00		300	6.00
CONWAY & HAMMING			48	6-1-1870	2.60			130	
			64	6-1-1877	.90			45	
			118	6-1-1891	2.20			110	5.70
THOS. AIKEN			63	6-1-1877	5.20			260	5.20
CATLIN & MACE			5	6-1-1864	2.86			143	
			52	6-1-1871	7.86			393	
	179*		5)	6-1-1864					
			52)	6-1-1871	.24*			12*	
			136	6-14-1912		.40		20	10.88
MACE & MACE			137	5-1-1909		1.60		80	1.60
HART & DAVIS			6	6-1-1864	3.30			165	
			57	6-1-1872	4.40			220	
			58	6-1-1872	3.30			165	
	38*) 39*)				1.04*			52*	9.96
GRAHAM & GILBERT			12	6-1-1865	4.40			220	4.40
WARM SPRINGS SLOUGH			61	6-1-1876	2.30			115	
			80	6-1-1882	1.60			80	
			82	6-1-1882	.44			22	
			83	6-1-1882	.44			22	
			84	6-1-1882	1.36			68	
			85	6-1-1882	2.20			110	
			85-A	6-1-1882		1.63		80	
	83*		85-A	6-1-1882		.72*		36*	9.22
JOFLIN			81	6-1-1882	.80			40	
			115	6-1-1889	.00			3	
			116	6-1-1889	1.20			60	2.06
SEVEN SUCKERS					1.04			52	
	38								
	39								
	179		5)	6-1-1864	.24			12	1.28
			52)	6-1-1871					

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-F

NAME OF CANAL	CHANGE IN P. OF I.	TRANSFER	PRIORITY		STEWART DECREE	INTERVENORS		INCHES	TOTAL SEC. FT.
			NO.	DATE		STEWART DECREE	BRYAN DECREE		
PHYLLIS			90	6-1-1884	53.10			2655	
			117	9-1-1890	200.00			10000	
			135	4-1-1904	56.34			2617	
				4-1-1905			306.56	15328	
				4-1-1908			54.50	2725	670.50
EUREKA NO. 1			13	6-1-1865	33.32			1666	33.32
CALDWELL HIGH LINE			34	6-1-1866	15.40			770	
			46	6-1-1869	37.20			1860	
			77	10-29-1880	27.60			1380	
	29*				1.00*			50*	79.20
FARMERS CO-OP DITCH			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
CANYON DITCH CO.			132	5-17-1900	10.00			500	
			134	10-25-1901	5.54			277	
		38	96	10-1-1887	12.10			605	
		105	9	6-1-1865	.50			25	28.14
SIEBENBERG			9	6-1-1865	13.42			671	
		105*	9	6-1-1865	.50*			25*	
		717*	9	6-1-1865	.64*			32*	12.26
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-A	4-15-1882		3.674		183.7	
			116-A	6-1-1890		.72		36	
			116-B	6-1-1890		.10		5	
			116-C	6-1-1890		.40		20	
				4-1-1910			63.78	3189	
				4-1-1914			17.70	885	
		608*	88	6-1-1883	1.00*			50*	
		644*	88	6-1-1883	.70*			35*	
		660*	88	6-1-1883	.60*			30*	
	35				2.00			100	
	175*		88	6-1-1883	1.70*			85*	290.374

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEALINGS

CHART NO. 25-G

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		STEWART DECREE	AMOUNT DECREED		TOTAL SEC. FT.
			NO.	DATE		INTERVENORS STEWART DECREE	BRYAN DECREE INCHES	
PIONEER DIXIE			8	6-1-1864	20.00		1000	
			45	6-1-1869	35.44		1772	
		36	96	10-1-1887	2.00		100	
		48	96	10-1-1887	4.20		210	
		62*	96	10-1-1887	1.00*		50*	
		111*	8)	6-1-1864				
			45)	6-1-1869	20.34*		1017*	
		608	88	6-1-1883	1.00		50	
		644	88	6-1-1883	.70		35	
		660	88	6-1-1883	.60		30	
	35*				2.00*		100*	
	148*		96	10-1-1887	1.50*		75*	39.10
EUREKA NO. 2			89	11-9-1883	21.70		1085	
		47	96	10-1-1887	29.50		1475	
		62	96	10-1-1887	1.00		50	
		71	24	6-1-1865	.80		40	
	85			6-1-1865	.50		25	
		111*	96	10-1-1887	1.20*		60*	
	131*		89	11-9-1883	.70*		35*	
	159			6-1-1865	.10		5	
	175		88	6-1-1883	1.70		85	53.40
UPPER CENTER POINT			23	6-1-1865	3.20		160	
			24	6-1-1865	2.40		120	
			25	6-1-1865	3.94		197	
			26	6-1-1865	1.60		80	
			27	6-1-1865	1.58		79	
		71*	24	6-1-1865	.80*		40*	
	85*			6-1-1865	.50*		25*	
	148		96	10-1-1887	1.50		75	
	159*			6-1-1865	.10*		5*	12.82
LOWER CENTER POINT			19	6-1-1865	2.88		144	
			20	6-1-1865	6.40		320	
			21	6-1-1865	2.90		145	
			22	6-1-1865	3.20		160	
			38	6-1-1868	3.20		160	
			43	6-1-1869	3.60		180	
			73	6-1-1879	4.00		200	
	50*		19	6-1-1865	2.88*		144*	
	51*		20	6-1-1865	6.40*		320*	
	131		89	11-9-1883	.70		35	17.60
BOWMAN & SWISHER	50		19	6-1-1865	2.88		144	
	51		20	6-1-1865	6.40		320	
	127*		20	6-1-1865	.80*		40*	8.48
WAMMON			41	6-1-1869	1.80		90	
			68	6-1-1878	4.20		210	
			69	6-1-1878	3.36		168	
			70	6-1-1878	8.80		440	
	176*		70	6-1-1878	8.80*		440*	9.36

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-H

NAME OF CANAL	CHANGE IN P. OF E.	TRANSFER	PRIORITY		INTERVENORS			INCHES	TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	STEWART DECREE	BRYAN DECREE		
HAAS DITCH	176		39	6-1-1868	8.54			427	
			70	6-1-1878	8.80			440	17.34
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
LAREEN-BAXTER-LEMP			75-A	1880		3.20		160	
			20	6-1-1865	.80			40	4.00
BOONE DITCH			28	6-1-1865	7.00			350	
			47	6-1-1869	3.50			175	
			59	6-1-1874	2.20			110	12.70
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
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	11.96
O'CONNELL DITCH			114-A	5-1-1889		1.60		80	
			114-B	5-1-1889		.80		40	2.40

* SUBTRACT

STEWART AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

CHART NO. 25-H

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		AMOUNT DECREE				TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	INCHES	
HAAS DITCH	176		39	6-1-1868	8.54			427	
			70	6-1-1878	8.80			440	17.34
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
LARSEN-BAXTER-LEMP			75-A	1880		3.20		160	
			20	6-1-1865	.80			40	4.00
BOONE DITCH			28	6-1-1865	7.00			350	
			47	6-1-1869	3.50			175	
			59	6-1-1874	2.20			110	12.70
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
PARMA DITCH			71	6-1-1878	4.40			220	
			74	6-1-1880	1.75			88	
			125	6-1-1894	1.75			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	11.96
O'DONNELL DITCH			114-A	5-1-1889		1.60		80	
			114-B	5-1-1889		.80		40	2.40

* SUBTRACT

TABLE SHOWING DECREED RIGHTS (STEWART DECREE) & FLOW IN SECOND FEET

CHART NO. 26

NECESSARY AT DIVERSION DAM TO FILL SAME

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%
1 THOMAS DAVIS	1	2.20	1.65	1.32		1073.81	1386.49
2 JACOBS CANAL CO. *	1	20.00	20.00	20.00			
3 MIDDLETON MILL LITCH CO.	1	12.80	9.60	7.68		1075.73	1389.69
4 THOMAS ANDREWS	3	3.30	2.48	1.98			
5 CATLIN & MACE	1	2.86	2.15	1.72		1076.16	1390.40
6 T. C. CATLIN	1	3.30	2.48	1.98		1076.66	1391.22
7 C. C. HAVIRD	1	3.30	2.48	1.98		1077.16	1392.04
8 PIONEER DIXIE DITCH CO.	2	20.00	15.00	12.00			1397.04
8A ADOLPH BAHLER	1	.80	.60	.48		1077.28	1397.24
8B FIRST NAT'L BANK OF FUEBLO	1	1.80	1.35	1.08		1077.55	1397.69
9 SIEBENBERG	2	13.42	10.07	8.05			1401.04
10 ALLEN V. WEBSTER	1	1.20	.90	.72		1077.73	1401.34
11 J. F. YARYAN	1	.66	.50	.40		1077.83	1401.50
12 GRAHAM & GILBERT	1	4.40	3.30	2.64		1078.49	1402.60
13 EUREKA WATER CO.	1	33.32	24.99	19.99		1083.49	1410.93
14 NEW UNION DITCH CO.	1	13.76	10.32	8.26		1085.55	1414.37
15 BOISE VALLEY IRR. CO.	1	54.58	40.94	32.75		1093.74	1428.01
16 RIDENBAUGH & ROSSI	1	9.20	6.90	5.52		1095.12	1430.31
17 RIDENBAUGH & ROSSI (POWER)	1						
18 DENVER & IDAHO LAND CO.	1	.80	.60	.48		1095.24	1430.51
19 MARTHA BOWMAN	2	2.88	2.16	1.73			1431.23
20 BIRD BOWMAN	2	6.40	4.80	3.84			1432.83
21 J. W. GESS	2	2.90	2.18	1.74			1433.55
22 ROBERT MCQUIRE	2	3.20	2.40	1.92			1434.35
23 C. W. COOPER	2	3.20	2.40	1.92			1435.15
24 J. W. ROWLAND	2	2.40	1.80	1.44			1435.75
25 DRAPER & WELLS	2	3.94	2.96	2.36			1436.73
26 THOMAS J. PALMER	2	1.60	1.20	.96			1437.13
27 NOAH W. PALMER	2	1.58	1.19	.95			1437.52
28 J. N. TUCKER	3	7.00	5.25	4.20			1437.52
29 THOMAS ANDREWS	3	6.00	4.50	3.60			
29A LOUISE SLOMONSON	1	6.00	4.50	3.60		1096.14	1439.02
29B S. G. HARDIES & AMELIA EISLEY	1	.50	.38	.30		1096.22	1439.14
30 J. PERRAULT & R. JOHNSON*	1	50.00	50.00	50.00			
31 WILLIAM P. KENNEDY	1	2.60	1.95	1.56		1096.61	1439.79
31A WM. MUSSER	1	2.30	1.73	1.38		1096.96	1440.36
31B MINNIE & JERRY COUZENS	1	.60	.45	.36		1097.05	1440.51
31C ALBERT C. BOWERMAN	1	1.10	.83	.66		1097.22	1440.78
32 MANVILLE & LEONARD	1	3.50	2.63	2.10		1097.75	1440.65
33 BOISE CITY CANAL CO.	1	38.06	28.55	22.83		1103.47	1451.16
34 FRANKLIN DITCH CO.	1	15.40	11.55	9.24		1105.78	1455.01
35 CANYON COUNTY WATER CO.	1	75.80	56.85	45.48		1117.15	1473.96
35A RALPH T. KNIGHT	1	1.76	1.32	1.06		1117.41	1474.40
36 MARTHA E. MCCARTHY	1	14.10	10.58	8.46	8.46	1119.53	1477.92
37 H. D. & DORA GOODMAN	1	3.70	2.78	2.22	10.68	1120.09	1478.84
38 T. T. JOHNSON	2	3.20	2.40	1.92			1479.64
39 ROSS, ALLEN, DILLEY & ROSS	3	8.54	6.41	5.12			
40 S. S. GRAY	1	1.40	1.05	.84	11.52	1120.30	1479.99
41 JOHN MANNON	3	1.80	1.35	1.08			
42 ISAAC BEDAL	1	1.60	1.20	.96	12.48	1120.54	1480.39
43 FREDERICH ODE	2	3.60	2.70	2.16			1481.29
44 PRIOR BURNETT	3	8.50	6.38	5.10			
45 PIONEER DIXIE DITCH CO.	2	35.44	26.58	21.26			1490.15
46 MASON CREEK DITCH CO.	1	37.20	27.90	22.32	34.80	1126.12	1499.45
47 T. W. BOONE	3	3.50	2.63	2.10			
47A ADOLPH BAHLER	1	.80	.60	.48	35.28	1126.24	1499.65
48 W. J. HAMMING	1	2.60	1.95	1.56	36.84	1126.63	1500.30
49 PIONEER CANAL	1	25.72	19.29	15.43	52.27	1130.49	1506.73
50 BARBER LUMBER CO.	1	2.24	1.68	1.34	53.61	1130.83	1507.29

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

TABLE SHOWING DECREEE RIGHTS (STEWART DECREE) & FLOW IN SECOND FEET

CHART NO. 20-A

NECESSARY AT DIVERSION DAM TO FILL SAME

NAME	RIVER SECTION	100% OF DECREE	75% OF DECREE	50% OF DECREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
51 THOMAS ANDREWS	3	1.30	.98	.78			
51A HARCIES & AMELIA LISLEY	1	1.00	.75	.60	54.21	1130.98	1507.54
52 CATLIN & MACE	1	7.66	5.00	4.72	58.93	1132.16	1509.50
53 PETER WEEVES	1	1.80	1.35	1.08	60.01	1132.43	1509.95
54 WIDOLETON MILL LITCH CO.	1	33.70	25.28	20.22	80.23	1137.49	1518.37
55 J. F. YARYAN	1	.70	.53	.42	80.65	1137.60	1518.54
55 J. F. YARYAN	1	1.40	1.05	.84	81.49	1137.81	1518.89
57 MARY E. DAVIS	1	4.40	3.30	2.64	84.13	1138.47	1519.99
58 EDWARD N. HART	1	3.30	2.48	1.98	86.11	1138.97	1520.81
59 T. W. DOONE	3	2.20	1.65	1.32			
60 FARMERS CO-OP LITCH CO.	2	10.00	7.50	6.00			1523.31
61 EDWARD & MARY CLARK	1	2.30	1.73	1.38	87.49	1139.32	1523.88
62 JOHN CECIL	1	.44	.33	.26	87.75	1139.39	1523.99
63 THOMAS AIKIN	1	5.20	3.90	3.12	90.87	1140.17	1525.29
64 S. H. DONWAY	1	.90	.68	.54	91.41	1140.31	1525.51
65 WIDOLETON WATER CO.	1	114.08	85.56	68.45	159.86	1157.12	1554.03
66 PERRAULT-JOHNSON (POWER)							
66A J. S. KRAUS	1	.80	.60	.48	160.34	1157.54	1554.23
66C J. W. KOLANER	1	1.40	1.05	.84	161.18	1157.75	1554.59
66D M. T. GRIFFITH	1	.80	.60	.48	161.66	1157.87	1554.73
67 NAPA, MORTIMER IRRIGATION DIST.	1	170.00	127.50	102.00	263.00	1183.37	1597.28
68 JOHN MAMON	3	4.20	3.15	2.52			
69 JULIA MAMON	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 HIGHLAND LITCH CO.	3	3.00	2.25	1.80			
72 NEW DRY CREEK LITCH CO.	1	31.32	23.19	18.70	242.45	1188.07	1605.11
73 L. MUMFORD	2	4.00	3.00	2.40			1605.11
73A DOBLE & SONGER	1	.54	.41	.32	242.77	1188.16	1606.24
74 SMITH STOCKTON	3	1.76	1.32	1.06			
75 ISHAM JOPLIN	1	2.40	1.80	1.44	284.21	1188.52	1606.84
75A C. B. FRANK	1	.816	.61	.49	284.70	1188.64	1607.05
75A ALBERT LEIP ET AL	3	3.30	2.40	1.92			
76 JOSEPH DOBLE	1	.90	.68	.54	285.24	1188.73	1607.27
77 FRANKLIN LITCH CO.	1	27.60	20.70	16.56	301.80	1192.92	1614.17
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			1615.08
78 ALLEN V. WEBSTER	1	.90	.68	.54	302.34	1193.06	1615.30
79 SUSIE CAMPBELL	1	.60	.45	.36	302.70	1193.15	1615.45
80 J. T. BARBER	1	1.60	1.20	.96	303.66	1193.39	1615.85
81 SONORA JOPLIN	1	3.40	2.55	2.04	305.70	1193.90	1616.70
82 S. E. HUTCHINSON	1	.44	.33	.26	305.96	1193.97	1616.81
83 JOHNSON	1	.44	.33	.26	306.22	1194.04	1616.92
84 ANDREW J. JOPLIN	1	2.86	2.15	1.72	307.94	1194.47	1617.63
85 JAMES L. GRAHAM	1	2.20	1.65	1.32	309.25	1194.60	1618.18
85A LEO MARSTERS	1	1.60	1.20	.96	310.22	1195.04	1618.58
85B JACOB BINGHAM	1	1.00	.75	.60	310.82	1195.19	1618.83
85C W. HUCKBA	1	.7506	.56	.45	310.94	1195.22	1618.88
85D C. H. SCHMELZER	1	.35	.26	.21	311.39	1195.33	1619.07
85E C. W. VOGLING	1	.35	.26	.21	311.60	1195.38	1619.16
86 FARMERS CO-OP LITCH	2	20.00	15.00	12.00		1195.52	1624.38
87 FRANCIS M. JOPLIN	1	.90	.68	.54	312.14		1627.38
88 W. A. BLACK	2	12.00	9.00	7.20			1632.80
89 LUREN LITCH CO. NO. 2	2	21.70	16.28	13.02	344.00	1203.49	1646.37
90 PIONEER IRRIG. DIST.	1	53.10	39.83	31.86			

TABLE SHOWING DECREMENT RIGHTS (STEWART DECREE) A FLOW IN SECOND FEET

CHART NO. 26-6

NECESSARY AT DIVERSION DAM TO FILL SAME

NAME	RIVER SECTION	100% OF DECREE	75% OF DECREE	50% OF DECREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
91 RIVERSIDE IRRIG. DIST.	2	20.00	15.00	12.00			1651.07
92 SETTLERS CANAL CO.	1	99.06	74.30	59.44	403.44	1218.35	1675.03
93 NEW DRY CREEK CO.	1	15.22	11.42	9.13	412.57	1220.64	1679.63
94 THOMAS DAVIS	1	13.40	10.05	8.04	420.61	1222.65	1682.98
95 W. E., L. & E. YOUNG	2	4.00	3.00	2.40			1683.98
96 AMERICAN DITCH ASSOC.	2	47.80	35.85	28.68			1695.93
97 NEW DRY CREEK DITCH	1	7.36	5.50	4.72	425.33	1223.33	1697.09
98 A. V. LINDER	1	4.00	3.00	2.40	427.73	1224.43	1698.89
99 LEVI SMITH	1	1.30	.98	.78	428.51	1224.63	1699.21
100 CHARLOTTE CALHOUN	1	1.40	1.05	.84	429.35	1224.84	1699.56
101 ED J. LINDER	1	1.46	1.10	.88	430.21	1225.06	1699.92
102 LIZZIE EVERETT	1	1.20	.90	.72	430.95	1225.24	1700.22
103 JESSIE WILSON	1	1.40	1.05	.84	431.79	1225.45	1700.57
104 THOMAS ANDREWS	3	.90	.68	.54			
105 FARMERS CO-OP DITCH	2	50.00	37.50	30.00			1713.07
106 HAWPA VERMILION IRR. DIST.	1	361.94	271.46	217.16	648.95	1279.75	1803.55
106 BOARD OF CONTROL	1	8.90	6.67	5.34	654.29	1281.08	1805.78
107 CHARLES S. MILLER	1	.06	.05	.04	654.33	1281.09	1805.79
108 LAWRENCE L. HOSLEY	1	.02	.015	.01	654.34	1281.09	1805.80
109 S. UTTER & C. TAYLOR	1	2.40	1.80	1.44	655.78	1281.45	1806.40
110 SOUTH BOISE MUTUAL IRR. CO.	1	6.00	4.50	3.60	659.38	1282.35	1807.90
111 ESTATE J. H. GALLAGHER	1	2.94	2.21	1.76	661.14	1282.80	1808.63
112 ANNA H. FOGARTY	1	.05	.04	.03	661.17	1282.81	1808.64
113 GRACE CALL	1	.10	.08	.06	661.23	1282.83	1808.66
114 SAMUEL H. CANFIELD	1	.03	.02	.02	661.25	1282.83	1808.67
114A NEIL & PATRICK O'DONNELL	3	1.50	1.20	.96			
114B JUS A. BARTH	3	.80	.60	.48			
115 SONORA JOPLIN	1	.06	.05	.04	661.29	1282.84	1808.68
115 SONORA JOPLIN	1	1.20	.90	.72	662.01	1283.02	1808.98
116A HARRIES & EISELEY	1	.94	.63	.50	662.51	1283.15	1809.19
116B ANNA SPENCER	2	.72	.54	.43			1809.37
116B WILLIS SPENCER	2	.10	.08	.06			1809.39
116C REBECCA BELL	2	.42	.30	.24			1809.49
117 PIONEER IRR. DIST.	1	200.00	150.00	120.00	762.51	1313.15	1859.49
118 W. H. CONWAY	1	2.20	1.65	1.32	763.63	1313.49	1860.04
119 THOMAS DAVIS	1	.54	.41	.32	764.15	1313.57	1860.17
120 WOODLETON MILL DITCH	1	17.00	12.75	10.20	764.35	1313.62	1860.42
121 THOMAS ANDREWS	3	3.50	2.63	2.10			
122 SETTLERS CANAL CO.	1	73.44	55.08	44.06	838.41	1327.14	1882.78
123 THOMAS Aiken	1	.80	.60	.48	838.89	1327.26	1882.98
124 RIVERSIDE IRR. DIST.	2	60.00	45.00	36.00	839.39	1327.41	1883.23
124A W. D. CHARTERS	1	.625	.46	.36			
125 R. H. STOCKTON	3	1.76	1.32	1.06	905.39	1343.61	1930.79
126 FARMERS UNION DITCH	1	110.00	82.50	66.00	905.99	1344.06	1930.98
127 CHARLES REIN & J. KEDGH	1	1.00	.75	.60	906.39	1344.16	1931.14
128 MATHEW CASEY	1	.66	.50	.40			1952.31
129 FARMERS CO-OP. DITCH	2	83.30	62.48	50.10	906.71	1344.25	1952.44
129A H. E. PLAIN	1	.54	.41	.32			1952.44
130 RIVERSIDE IRRIG. DIST.	2	20.00	15.00	12.00	1038.17	1377.12	2011.91
131 NEW YORK CANAL CO.	1	219.10	164.33	131.46			2014.41
132 CANYON DITCH CO.	2	10.00	7.50	6.00			2031.91
133 RIVERSIDE IRRIG. DIST.	2	70.00	52.50	42.00			2033.29
134 CANYON DITCH CO.	2	5.54	4.16	3.32	1071.97	1385.58	2047.37
135 PIONEER IRRIG. DIST.	1	56.34	42.26	33.80	1072.18	1385.64	2047.46
136 H. E. RIVER	1	.356	.27	.21	1073.14	1385.88	2047.66
137 B. P. WEAVERLING	1	1.60	1.20	.96			
137A ISLAND HIGHLINE DITCH CO.	3	7.00	5.25	4.20	1073.38	1385.94	2047.96
138 BESLEY A. WACE	1	.40	.30	.24			
139 ISLAND HIGHLINE DITCH CO.	3	10.00	7.50	6.00			

TABLE SHOWING DECREED RIGHTS (BRYAN DECREE) & NATURAL FLOW IN

CHART NO. 26-C

SECOND FEET NECESSARY AT DIVERSION DAM TO FILL SAME

<u>PRIORITY DATE</u>	<u>NAME</u>	<u>100% OF DECREE</u>	<u>75% OF DECREE</u>	<u>60% OF DECREE</u>	<u>FLOW NECESSARY TO FILL TO 60%</u>	<u>FLOW NECESSARY TO FILL TO 75%</u>	<u>FLOW NECESSARY TO FILL TO 100%</u>
7-2-04	FARMERS UNION	54.46	40.85	32.68	2080.47	3843.43	4295.75
3-23-00	NEW YORK IRRIGATION DIST.) BOISE KENA IRRIG. DIST.)	58.85	44.15	35.32	2115.79	3852.26	4310.46
12-14-03	UNITED STATES OF AMERICA	1354.58	1015.94	812.75	2928.54	4055.45	4649.10
4-1-05	PIONEER IRRIGATION DIST.	306.56	229.92	183.94	3112.48	4101.43	4725.74
4-1-08	FARMERS COOPERATIVE DITCH CO.	154.45	115.84	92.67	3205.15	4124.60	4764.35
4-1-05	SOUTH BOISE MUTUAL DITCH CO.	5.40	4.05	3.24	3208.39	4125.41	4765.70
4-1-08	PIONEER IRRIGATION DIST.	54.50	40.88	32.70	3241.09	4133.59	4779.32
6-1-09	UNITED STATES OF AMERICA	926.50	694.88	555.90	3796.99	4272.57	5010.94
4-1-10	RIVERSIDE IRRIGATION DIST.	63.78	47.84	38.27	3835.26	4282.14	5026.88
1-13-11	UNITED STATES OF AMERICA (ARROWROCK STORAGE)	8000.00					13026.88
3-1-14	RIVERSIDE IRRIGATION DIST.	17.70					13044.58

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

