

**WATER DISTRIBUTION OF BOISE RIVER
DISTRICT NO. 12-A
1962**

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1962

(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 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 main daily flow of Boise River for a 65 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, 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. Show acreage under all canals in the Boise Valley.
14. Shows acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1947.

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 the return flow to Boise River between the Government Diversion Dam and Notus for 15 year period.
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, 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 1962 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:

John Demond, Chairman
O. L. Greer, Secretary
Ernest Anderson
O. W. Bunton
Wm. Reynolds
Wm. Wymer
Wayne Naugle
Henry Dalrymple
M. A. Watkins

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 Lucky Peak, Notus, Middle Fork at Twin Springs, More's Creek and Robie Creek.

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 the wateruser, to whom the decree was issued, amount of decree in second feet, showing 100 percent, 75 percent and 60 percent. It also shows the amount of natural flow necessary at Diversion Dam to fill the various rights in the Flood Water Decree to 60 percent, 75 percent and 100 percent.

BOISE RIVER RUN-OFF AND AVAILABLE WATER SUPPLY

The total flow for the calendar year 1962 was 1,907,110 acre feet and for the irrigation year was 1,861,296 acre feet. Snow surveys indicated slightly a less than normal water supply as of March 1. Irrigation started about the middle of April and demand for water reached a peak in May and continued moderately strong the balance of the season. No water was wasted and there was little damage from erosion along the river. The river flow was over 10,000 c.f.s. for just 2 days during the year. The highest flow was 11,343 cubic feet per second on April 21 and the lowest flow was 550 cubic

feet per second on December 25. The flow at Lucky Peak was cut to 30 c.f.s. October 14. 30 c.f.s. was passed from October 14 to November 22 when the gates were closed on account of repair at Lucky Peak. On December 7 the gates were opened and 100 c.f.s. was passed until January 8 when the flow was cut to 50 c.f.s.

CANAL REGULATIONS

It was necessary to begin canal regulations July 1.

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

The river flow was very steady, there being very few fluctuations. A change of gates at Lucky Peak sometimes resulted in a slightly changed discharge. A new remote control gage, which makes a permanent record and shows the

gage height at all times in the power house at Diversion Dam, has been installed and should give a very good record of the flow below Diversion Dam.

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 306 second feet.

SECTION II

Chart II 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 1117 second feet. A considerable amount of water from 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 headgate, duty, or duty at the point of diversion.

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

4. "That an exception to the 'sliding scale' should be made in the case of porous-gravel, river bottom lands, lying adjacent to and under the upper section of the river as per the Stewart Decree, to the extent that these lands should be allowed to divert such amount of water as their crops require and at such times as it is needed, 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 forty 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 1947. 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 current season and a summary for the same. This drainage district embraces an area of 29,000 acres situated on the north side of Boise River

between the City of Boise and the canyon near Caldwell.

Chart 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 a 15 year period.

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

INTERVENORS

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

CHANGES IN POINT OF DIVERSION

Chart 22 is a table showing the change in the point of diversion of decreed rights on the Boise River as recorded in the office of the State 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 in matters of this kind the people of the valley generally are too much inclined to take the attitude of "Let George Do It". The preservation of present day waterusers but for generations yet to come, should have the constant attention and consideration of all concerned. It is the opinion of the writer that this resource, which is of such importance to the entire populace of the Boise Valley, should remain under federal control."

STORAGE WATER

As of March 1, there was 304,667 acre feet of water in Anderson Ranch Reservoir, 275,700 in Arrowrock and 144,860 in Lucky Peak. 375 c.f.s. is being released from Anderson Ranch Reservoir, 1,356 c.f.s. from Arrowrock and 1100 c.f.s. from Lucky Peak to Lake Lowell, and 50 c.f.s. is passing Diversion Dam.

FLOOD CONTROL

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

An agreement has been entered into between the Army Engineers, the Bureau of Reclamation and the 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 - 1962

Watermaster Salary.	\$6000.00
Assistant Watermaster Salary.	1574.40
Car Mileage.	906.08
Miscellaneous.	677.27
Telephone.	305.36
Office Rent.	240.00
Stenographic Services.	473.20
Insurance.	247.23
Social Security Tax.	207.41
Snow Survey.	<u>200.00</u>

Sub-total. \$10,830.95

Services rendered by Boise Project Board of Control. \$ 780.00

TOTAL COSTS TO WATER DISTRICT 12-A FOR 1962 \$11,610.95

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 50 years have proven very satisfactory to the Boise Valley as a whole.

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

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

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

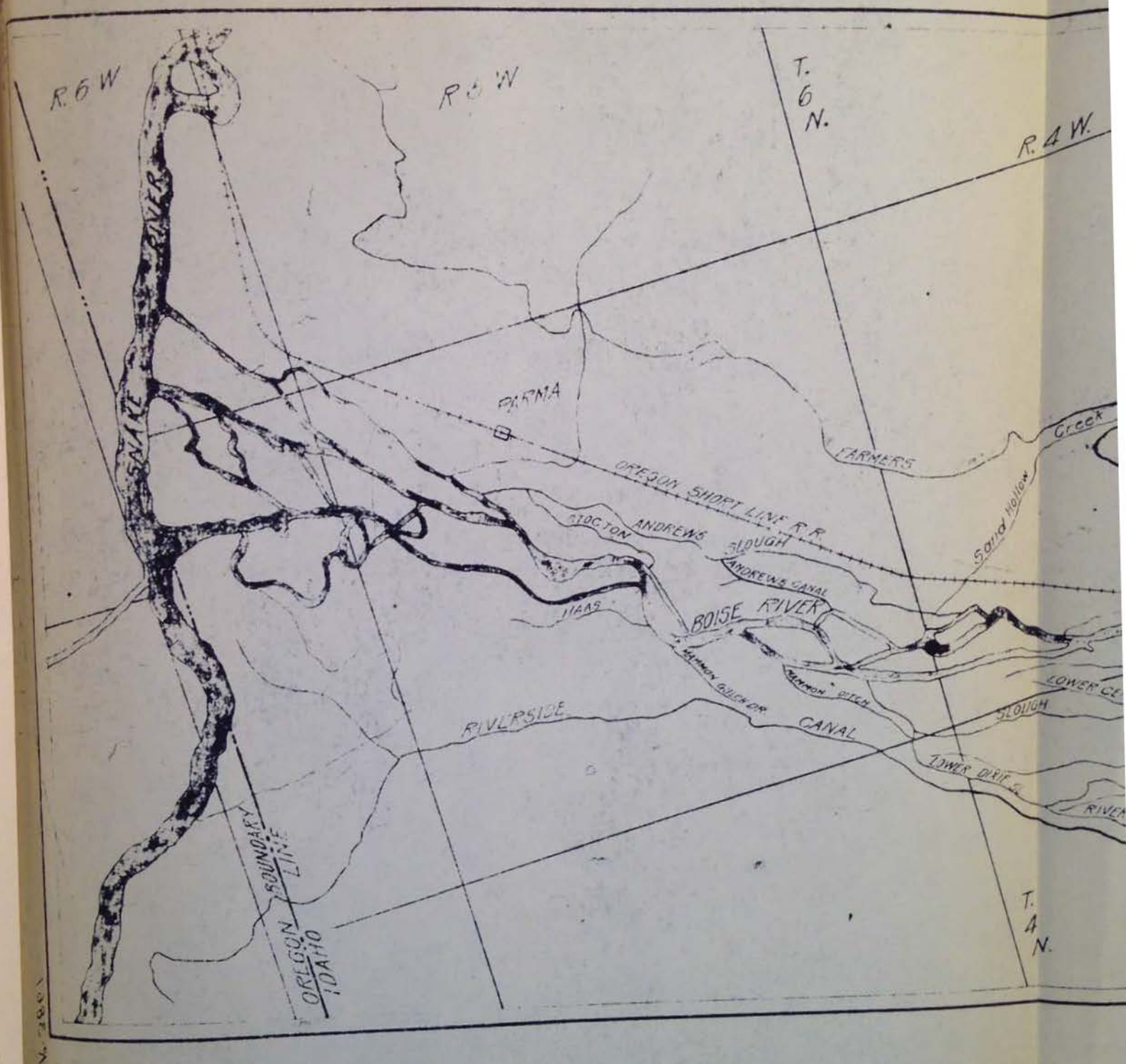
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R.2 W.

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



138E-9



R. 4 W.

R. 3 W.

IDAHO NORTHERN RAILWAY



WEST HARTLEY GULCH

EAST HARTLEY GULCH

WILLOW

MIDDLETON SLOUGH

GALDWELL

Indian

DIXIE DRAIN

DIXIE SLOUGH

RIVERSIDE

UTTER

PIONEER

DIXIE

(AMERICAN CANAL)

SIEBENBERG

CAMPBELL DITCH (CAIRN)

CANAL

NOTUS

EUREKA

UPPER CENTER POINT

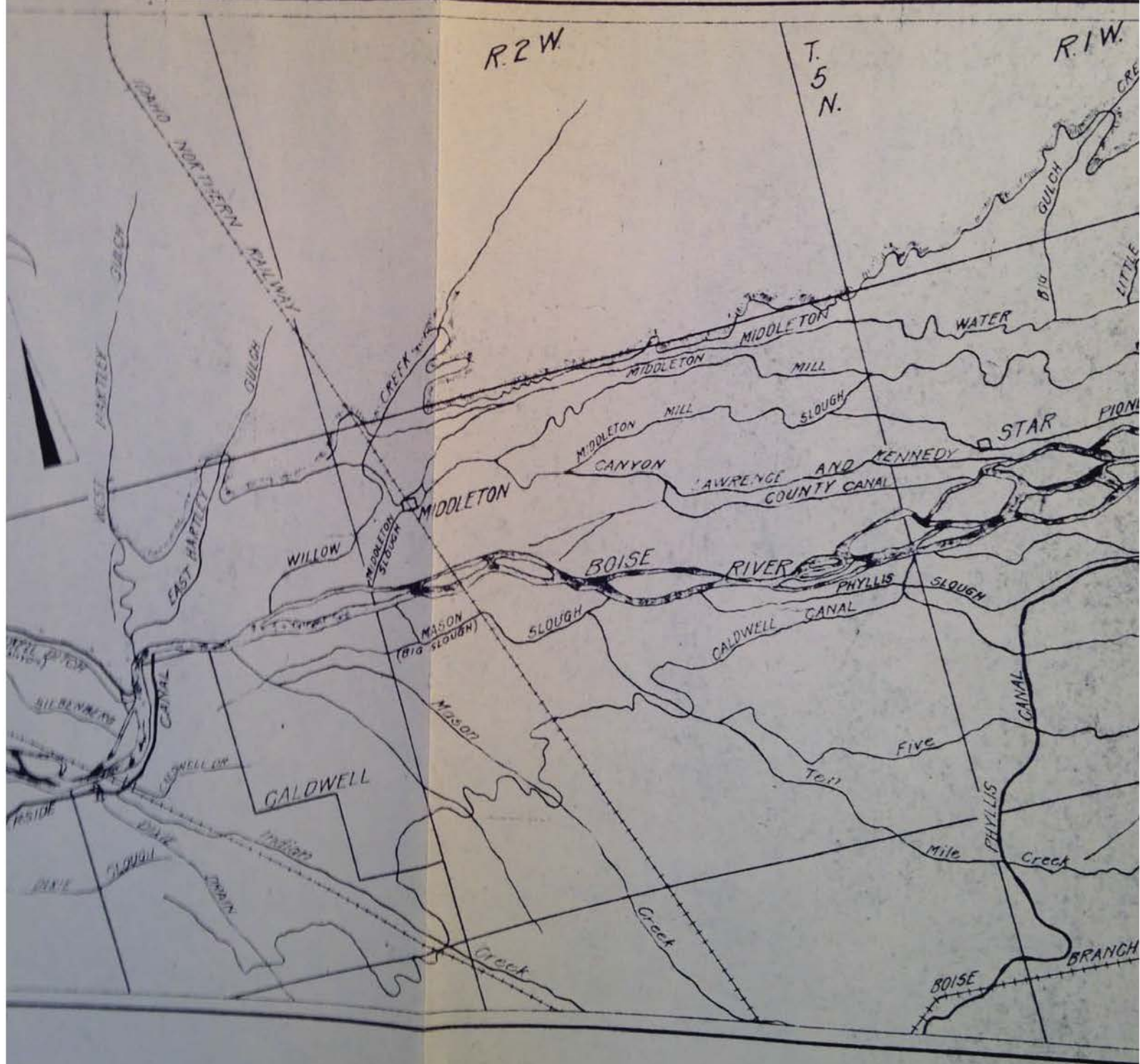
LOWER CENTER POINT

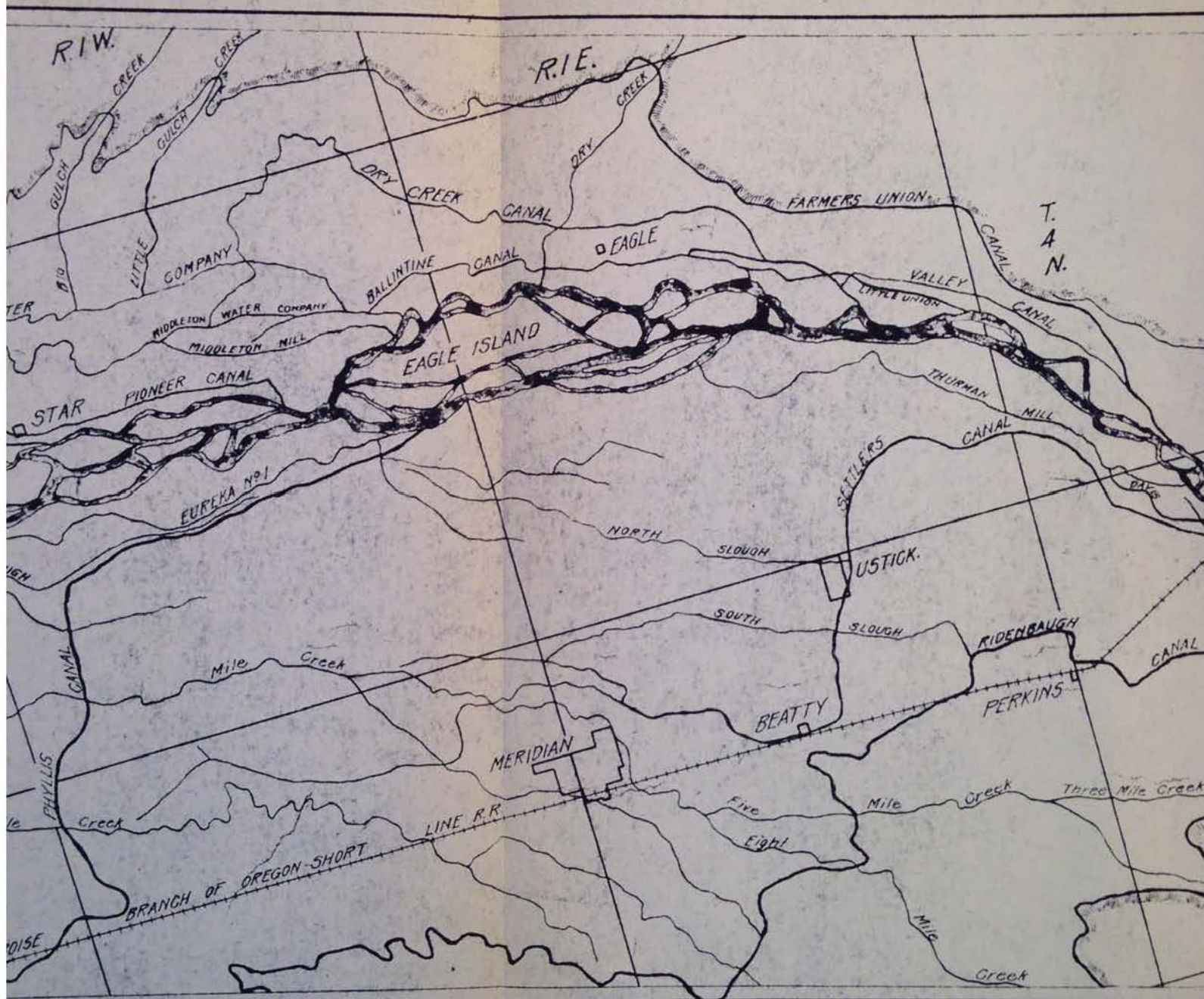
SLOUGH

WATER OF WASTE

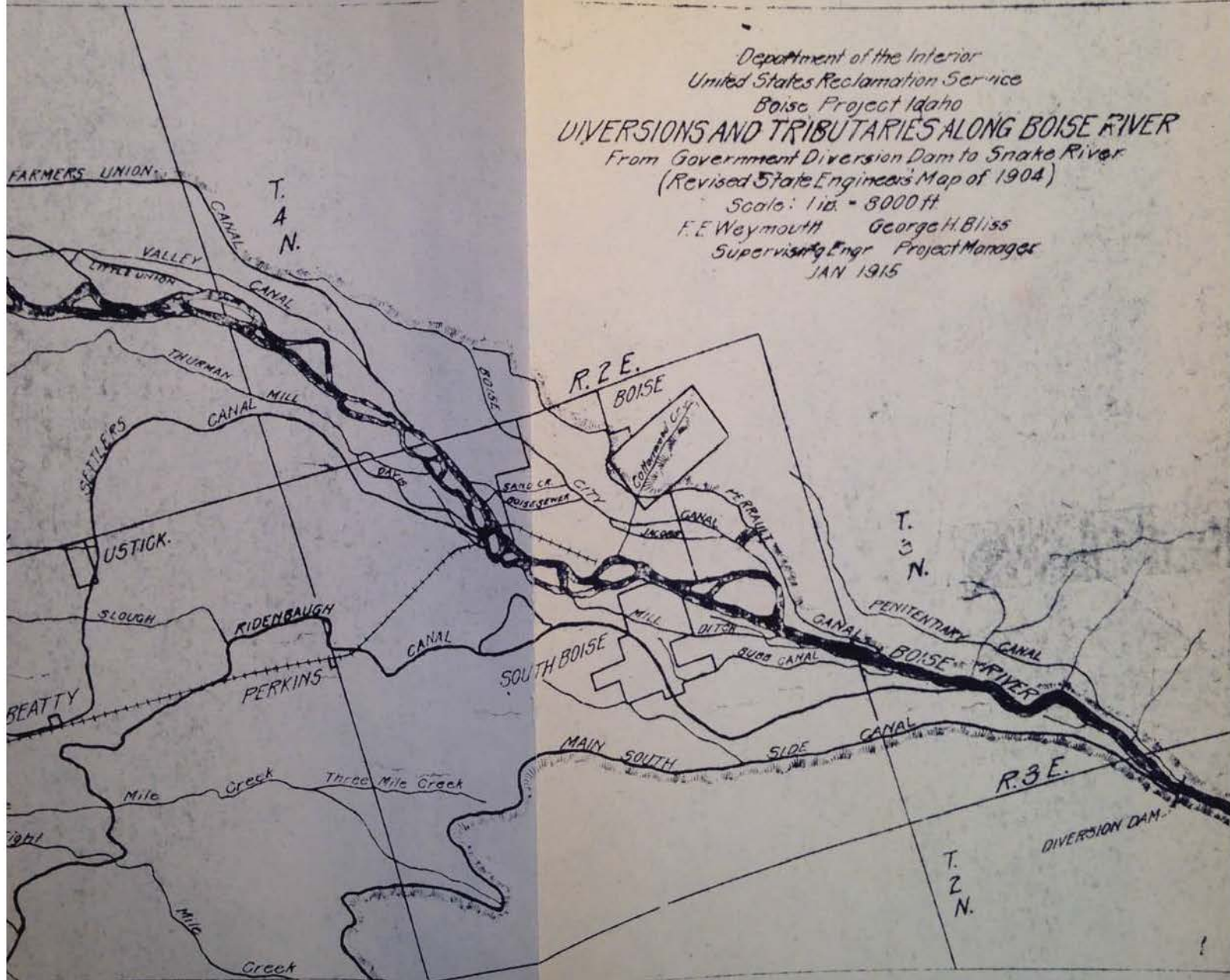
PIPE GULCH

T. 4 N.

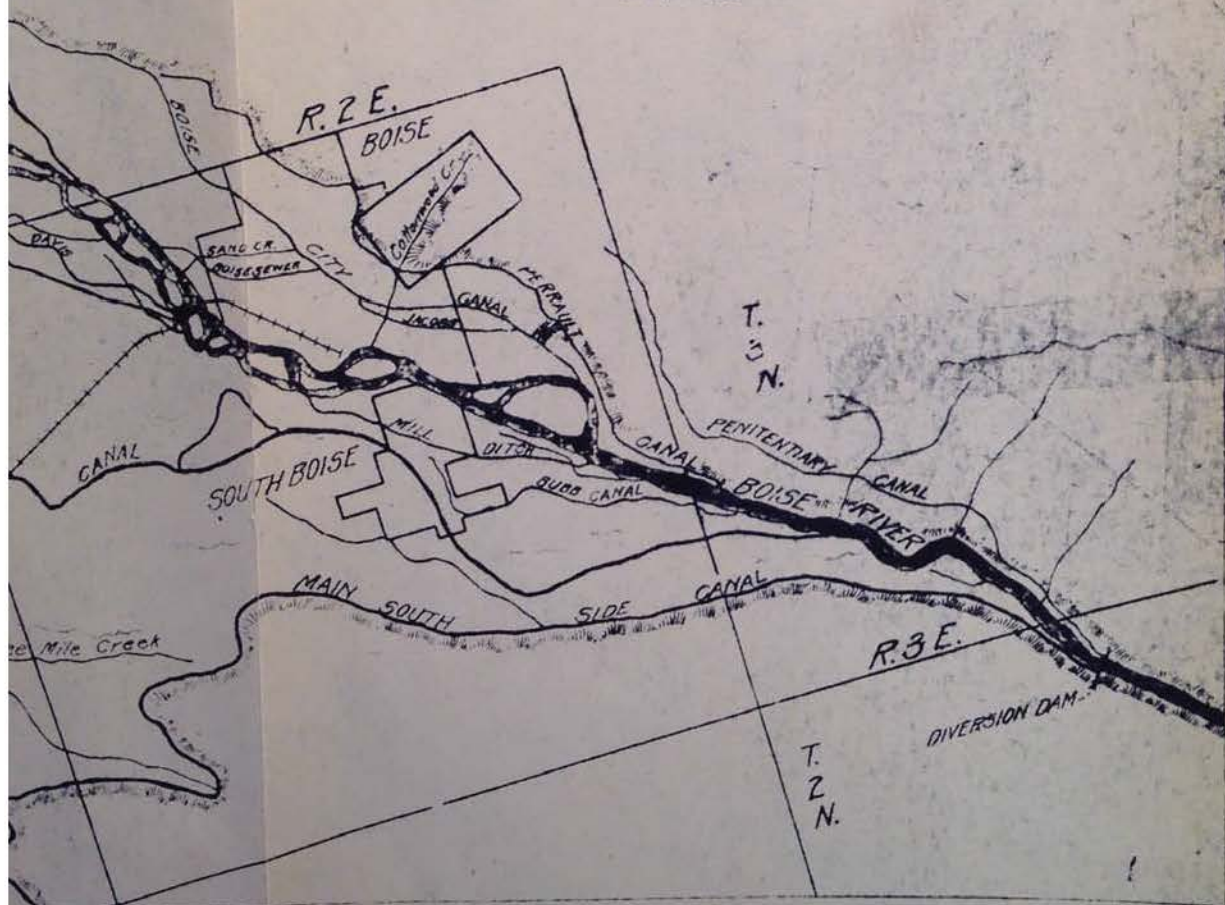




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NATURAL FLOW OF BUTTE

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	650	704	967	890	999	779	857	761	699	622	926	1076	929	927	870	694
1942	612	612	612	927	737	737	737	999	1000	1157	1052	1051	941	946	946	621	731	1336	860
1943	1510	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	664	688	962	934	945	1042	627
1945	796	703	662	666	803	810	747	1120	1103	1040	1035	999	932	1320	1461	1305	1169	1052	1034
1946	2563	2012	2128	1723	1881	1631	1219	1544	1292	1945	1240	920	878	1057	983	866	1214	1246	1157
1947	620	1062	923	620	688	966	1017	1018	905	908	1106	1033	1071	1052	789	753	786	733	1073
1948	661	943	881	972	1020	1111	1140	2183	2282	1653	1571	1494	1005	866	810	642	940	948	948
1949	866	878	818	730	730	825	800	322	861	868	773	760	777	824	830	950	841	814	785
1950	641	735	654	773	509	645	847	804	903	985	992	737	558	884	624	760	832	706	767
1951	1120	993	1241	1259	997	1017	1000	748	949	1100	1224	1158	1361	1167	1131	1230	1404	1165	1098
1952	799	526	852	469	1009	989	898	1152	1046	936	1195	1463	1735	904	1285	1544	1618	561	1254
1953	776	694	1345	786	691	810	1165	731	1153	1275	1657	1090	1736	2377	1738	1741	1662	2309	1526
1954	809	936	940	951	954	962	997	945	910	893	860	955	911	874	846	824	831	862	885
1955	853	737	700	698	698	724	736	741	748	746	752	754	755	754	758	774	791	805	818
1956	2721	2652	2611	2605	2451	2772	1572	1992	2790	1787	1508	1732	1855	1891	2172	2652	3202	4416	3354
1957	943	963	1057	768	720	711	741	747	748	790	817	882	915	1073	969	930	890	821	792
1958	850	590	490	400	530	601	680	732	747	898	992	1220	1153	1123	614	875	852	852	802
1959	968	1005	1073	922	704	698	699	1095	1277	1205	1151	1101	1318	1317	1439	1567	1511	1330	1353
1960	724	726	735	756	772	890	942	1048	971	995	966	1059	963	1024	911	790	794	715	660
1961	641	724	731	754	717	670	673	667	673	704	762	745	736	728	742	720	716	709	664
1962	742	714	654	682	777	841	1009	1154	1377	1345	1046	1024	913	931	848	847	791	916	1002

FEBRUARY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	817	843	852	957	831	870	1140	1215	1100	1102	1241	1435	1669	1238	1123	1153	1063	994	1041
1942	1198	1073	1400	1427	1432	1446	1326	1392	1271	1261	1285	1152	1118	861	997	1179	1011	892	739
1943	1859	1804	1921	1657	1557	1675	1571	1797	1817	1522	1569	1359	1648	1445	1646	1759	1771	1961	1044
1944	764	878	1096	809	1046	1165	1032	1020	1199	1279	791	785	773	785	906	1053	867	856	970
1945	799	1012	1467	1371	1010	1077	1048	1210	2213	1737	1486	1353	1599	3131	2857	2051	1874	1550	1396
1946	1093	1162	1061	1049	1186	986	1102	1004	914	891	1028	1132	941	961	1074	1366	1291	1232	956
1947	1014	1122	953	941	993	1075	992	940	944	1148	1146	1250	2090	2423	2059	1696	1897	1937	2115
1948	878	963	1021	857	836	842	747	913	727	917	868	601	670	902	970	981	917	886	1227
1949	759	801	827	862	873	802	885	890	862	832	801	770	734	659	682	504	682	691	753
1950	633	747	675	1415	1134	1341	1272	1181	1267	1258	1091	990	1165	917	1112	1159	1205	1202	1209
1951	757	895	945	1261	2237	1654	2153	3231	3400	3067	3290	3946	3147	3254	3175	2295	2405	2301	2334
1952	900	1762	2068	1842	1607	1437	1200	1466	1611	1620	918	1342	1323	1272	921	1187	1743	1714	1215
1953	1127	1301	1834	2664	2913	2320	2062	2300	1921	1761	1697	1535	1515	1455	1550	1329	1416	1404	1348
1954	1462	1472	1431	1434	1347	1290	1290	1329	1329	1406	1431	1654	2038	2230	2218	2103	1966	2032	1715
1955	644	502	451	422	455	563	734	966	962	898	795	721	718	721	725	754	823	779	795
1956	1201	1210	1211	1358	1771	2332	2563	2693	2161	3147	2443	2120	2017	1798	1686	1358	1311	1380	1402
1957	850	624	924	935	942	954	972	981	939	901	930	957	966	967	1040	1017	1025	1079	1039
1958	1308	1012	1012	1015	1026	1034	1058	1134	1126	1158	1211	1217	1342	1332	2680	3463	3104	2070	2945
1959	1395	1354	1206	1106	1039	1191	1229	1257	1151	1138	1169	1182	1036	967	1072	1078	1137	1313	1396
1960	793	887	915	961	955	1001	1277	1802	2714	2270	1409	1453	1246	1147	1005	992	996	965	901
1961	935	1092	1012	898	815	821	842	892	976	1103	1236	1360	1449	1363	1248	1020	1151	1073	1034
1962	758	726	867	886	1034	900	932	978	1203	1226	1746	1874	2337	2535	2174	2248	1836	1814	1640

NATURAL FLOW OF HOISE RIVER

CHART NO. 2-4

BEGINNING 1941

JANUARY

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	1006	1076	929	1027	876	1084	889	890	886	874	917	1030	1215	1172	942	811	808	911	27,130
	946	946	621	721	1306	866	756	866	748	976	1119	1265	1511	1172	1323	1487	1288	1281	31,091
	1014	1793	1636	1300	1100	3115	2010	2179	3728	4603	4259	3563	3159	2987	2703	2505	2250	2006	76,995
	668	562	434	845	1042	827	824	822	722	730	940	827	828	823	733	748	744	752	24,706
	1230	1451	1305	1169	1052	1034	1035	704	830	739	663	815	806	737	774	772	684	876	28,125
	1057	961	866	1214	1246	1159	1111	940	1164	1117	1362	1209	1045	1073	1104	963	952	1085	39,765
	1052	798	753	786	793	1073	1245	1132	1276	865	1119	1114	1125	1157	913	921	960	906	30,181
	896	810	642	940	948	504	827	872	924	1244	1208	1030	906	760	481	545	766	909	32,761
	524	630	850	811	814	785	780	786	806	811	793	732	686	719	722	727	765	738	24,519
	884	624	760	832	706	767	1079	1300	1874	2235	2173	1789	1237	1254	1182	1271	1019	833	31,594
	1167	1131	1230	1024	1145	1059	1109	1050	1321	1324	1154	1252	1219	1404	1171	747	946	1118	35,328
	904	1205	1544	1615	581	1254	1132	974	506	1375	1349	1257	987	1452	1076	1089	1109	1379	34,200
	2377	1738	1741	1662	2309	1536	3814	2882	2366	1732	1452	1546	1525	1085	1647	1698	1258	1544	50,641
	874	648	824	831	862	885	897	967	942	919	1023	1023	1127	1219	1272	1327	1422	1482	30,768
	754	758	751	731	1008	818	815	851	846	821	826	804	752	745	740	721	738	744	23,741
	1881	2173	2052	1292	4116	1054	3066	2933	2838	2771	2743	2568	2359	2215	2149	1832	1435	1220	73,757
	1070	960	930	880	871	792	837	856	882	949	945	916	847	749	737	743	744	774	26,324
	1120	914	875	852	852	832	848	808	825	839	848	864	932	1025	1123	1110	1120	1008	26,841
	1317	1130	1567	1511	1310	1253	1231	1140	1073	1046	1121	1280	1489	1507	1756	1582	1586	1529	38,233
	1034	911	790	794	715	660	674	652	690	771	806	801	821	863	862	791	795	823	25,832
	728	718	751	716	709	664	593	515	548	618	657	701	669	649	666	675	723	747	21,227
	931	848	847	791	916	1002	843	793	702	714	759	771	799	887	910	912	802	732	27,277

FEBRUARY

	1	11	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	1278	1123	1153	1003	994	1041	1121	1060	1093	1369	1529	1776	1535	1284	1342					32,684
	961	997	1179	1011	892	739	753	806	1077	1051	1150	952	922	941	1075					31,581
	1445	1846	1758	1771	1961	1944	2154	2462	2739	3419	3440	3327	2631	2870	2758					58,282
	715	906	1053	867	858	979	842	847	822	916	794	919	796	797	954	780				26,305
	3131	2652	2051	1074	1550	1366	1329	1302	1115	1086	1077	1051	836	969	1056					40,062
	961	1074	1366	1281	1232	956	1237	1239	1219	1257	1267	1482	1546	1637	1609					32,902
	2427	2090	1896	1897	1937	2115	1796	1741	1834	1951	2029	1572	1932	1961	1578					43,639
	532	970	981	917	886	1227	1411	1102	1326	1815	1458	1227	1309	1509	1340	1203				30,240
	899	682	804	682	691	753	752	811	846	846	871	901	916	929	945					22,837
	917	1112	1159	1205	1202	1207	1269	1223	1221	1410	1412	1935	2020	1956	1975					35,705
	3254	3125	2295	2105	2301	2304	2158	1937	2059	1929	1815	1678	2214	1528	2020					63,068
	1272	521	1167	1743	1714	1215	1310	1153	1269	1206	1264	942	1120	949	1511	721				38,754
	1455	1850	1329	1419	1404	1368	1550	1008	1069	1318	1356	1257	811	1271	1116					44,260
	2283	2218	2103	1966	2032	1715	1663	1529	1410	1514	1627	1714	1886	1904	2120					46,637
	721	721	725	754	1073	795	764	721	730	730	738	760	760	763	767					20,223
	1790	1686	1358	1318	1380	1430	1448	1520	1615	1650	1690	1703	1588	1590	1842	1772				52,255
	967	1040	1097	1075	1079	1039	1073	1183	1198	1403	2437	3446	4399	6586	6255					46,440
	1577	2689	3463	1104	2950	2945	2982	3045	2915	2806	3325	3682	4557	3324	2774					60,518
	967	1072	1078	1137	1313	1389	1171	1401	1337	1291	1355	1421	1482	1581	1093					34,851
	1147	1005	962	906	965	901	840	805	958	784	735	886	982	1040	861	865				32,445
	1363	1248	1030	1151	1073	1034	1034	1321	1015	1001	964	945	950	953	954					29,415
	2535	2174	2210	1836	1814	1640	1952	1450	1396	1226	1341	1230	1154	1050	1030					39,163

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1941	1578	1908	1741	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	1495	1480	1318	1384	1712
1942	873	1003	1035	1138	1018	1122	1054	1177	1115	1308	1403	1593	1652	1860	1479	1688	1527	1468
1943	3088	2982	2809	3025	3099	2745	2560	2684	2919	2526	2520	2460	2525	3825	3899	3451	3161	2860
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174	1218	1012	681	1196	1442
1945	903	1024	1056	1012	812	794	816	670	968	1016	1035	1076	1426	1741	1707	1520	1403	1519
1946	1733	1580	1379	1595	1565	1948	1997	2033	2010	2342	2900	3811	4148	4121	3566	3217	2843	2526
1947	1551	1539	1661	1803	1607	1600	1312	1485	1418	1841	2758	2251	2114	2001	2490	3046	3095	3940
1948	1087	1173	1121	1096	966	976	973	994	997	978	991	1005	1015	1027	1060	1126	1145	1137
1949	1113	1343	1506	1746	1523	1874	1915	1913	1943	1941	2047	1984	1977	2164	2195	2425	2731	2890
1950	2698	2010	2377	2328	2154	2619	2476	2333	2250	2232	1929	1679	1486	1615	1505	1502	2181	3880
1951	1694	1714	1416	1608	2176	1384	1520	1410	995	1322	1138	1443	1368	1360	1491	2022	1927	1587
1952	1276	1325	916	1271	956	864	668	1288	1202	1187	1670	901	1329	853	1348	1688	1628	1861
1953	1423	1403	1127	1059	1390	1165	1474	976	1628	1622	1895	1871	2153	1965	1655	1796	1716	1337
1954	1774	1611	1518	1518	1427	1521	1754	1924	3798	5880	5016	1112	3737	2642	2544	2454	2346	2226
1955	760	912	873	913	1005	1026	904	993	969	912	896	821	805	764	779	819	833	834
1956	2003	2112	1793	1758	2375	2084	1968	2062	2267	1843	1314	1314	1473	1789	1761	1952	2158	2198
1957	4123	3591	3495	2692	2752	2547	2741	2633	3376	3825	2772	3425	3264	2610	2484	2356	2517	2692
1958	2711	2292	2014	1534	1587	1821	1427	1362	1361	1407	1609	1533	1372	1187	1512	1492	1432	1515
1959	1334	1346	1480	1414	1456	1460	1446	1365	1687	1448	1322	1321	1212	1254	1177	1294	1185	1177
1960	765	751	820	861	1114	1602	1592	3131	2064	1797	1142	1265	1393	1295	1246	1316	1171	1393
1961	1077	866	1029	766	1007	951	920	802	721	1030	880	760	1072	1030	1201	1853	1979	1822
1962	1049	1197	1208	1224	1313	1182	1182	1263	1223	1064	1048	1098	1145	1117	1013	937	938	1013

MARCH

CHART 2-M

	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	1480	1318	1384	1712	1767	1942	1942	1842	1922	1800	1727	1774	2101	2193	2305	2649	3093	56,724
2	1479	1686	1527	1468	1432	1411	1414	1442	1305	1575	1447	1464	1476	1546	1639	1658	2250	43,902
3	3829	3451	3161	2860	2606	2820	2026	2812	2119	2521	3009	3735	5285	7156	9555	11692	9936	117,569
4	1012	681	1196	1442	1446	1399	1366	1122	1135	1463	1179	1149	1154	964	1053	1094	1389	34,047
5	1707	1520	1403	1519	1304	1172	1532	2260	2513	2856	2541	2242	2530	2320	2510	2240	2501	49,580
6	3566	3217	2843	2526	2803	4144	5164	5371	5061	5103	4335	3767	4216	5462	6114	6614	5740	109,302
7	2190	2316	3095	3040	4197	4397	4613	4661	4548	4541	3963	3837	3541	3553	3479	3709	3491	90,638
8	1360	1126	1115	1137	1121	1066	1063	1001	1117	1133	1421	1342	1344	1381	1543	2076	2080	36,698
9	2195	2425	2731	2890	2995	3221	3356	3362	3405	3446	3169	2970	2672	2564	2194	2200	2233	73,417
10	1505	1502	2181	3880	4755	3658	3185	3106	2879	2729	2772	2856	2718	2552	2323	1969	2237	77,279
11	1451	2022	1927	1587	1719	1817	1816	2533	2602	2415	2517	3130	2451	4425	4220	3470	3782	64,079
12	1348	1688	1028	1861	1725	1653	1838	2779	2086	1330	810	2856	2991	3509	3354	3961	2566	53,141
13	1655	1796	1716	1337	1783	1997	1071	1495	2015	1876	2659	2967	2939	2966	3409	3928	5376	63,355
14	2544	2454	2346	2226	2219	2014	2091	2050	1988	1943	1880	1942	2143	2397	2149	2104	2086	74,558
15	779	819	893	835	890	851	781	742	817	817	852	894	992	1081	1102	1134	1158	27,846
16	1791	1952	2198	2506	3212	3040	4132	4481	5136	6000	7540	9559	9405	7304	6699	6295	6332	114,129
17	2494	2356	2507	2692	2435	2677	3212	3829	3741	3487	3167	3046	3121	2881	2664	3572	4101	97,346
18	1512	1432	1432	1519	1484	1466	1708	2145	3029	2885	3276	3070	2727	2801	2940	2748	2967	62,347
19	1177	1294	1185	1177	1474	1309	1360	1425	1414	1544	1849	1722	1847	1942	1987	1984	2058	46,271
20	1246	1316	1171	1393	1635	2169	2912	2954	4985	5384	5531	6278	6291	6093	6142	5373	5910	86,415
21	1201	1853	1979	1822	1679	1717	1843	1771	1679	2573	2414	2072	2459	1909	1971	1713	2051	43,615
22	1013	937	938	1013	1065	1486	1448	1494	1430	1451	1420	1506	1866	1960	2057	2053	2084	41,536

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1941	2764	3073	3048	3047	3476	3237	2958	2618	2631	2830	3468	3201	3339	3509	3396
1942	2592	2773	3284	3741	4057	3795	3879	4215	4639	5444	6081	7073	8215	8731	9411
1943	8908	10230	14430	14901	13749	13254	14653	16969	21235	18206	16138	16191	18504	20265	21625
1944	1584	1786	2125	2865	2726	3144	2593	2599	2622	2605	2376	3092	3326	2841	2721
1945	2671	2430	2282	2132	2205	1890	2576	2192	2522	2329	2057	2075	2045	1985	2206
1946	6006	4982	4552	4717	4841	5215	6160	6164	6222	5847	5213	5919	7596	10219	12352
1947	4810	4145	4006	3747	3576	3168	3305	3129	2954	2778	2635	2807	3063	3230	4470
1948	1740	2024	2660	2967	2723	2292	2269	1997	1837	2190	2201	2152	2155	2437	2518
1949	2433	2870	3339	3655	4184	5078	5780	5966	6176	6527	6860	7896	7761	5943	5790
1950	2888	3787	4628	4125	4107	3894	4251	4659	5177	4667	5632	5720	6521	7448	7513
1951	3624	3474	4034	5892	7194	8135	9860	10722	10962	10961	10650	9941	9844	11505	11254
1952	3257	3410	3389	3710	4755	6639	8222	9276	7782	6988	6943	7144	8421	9827	10983
1953	4682	3871	3824	4380	4381	4103	4956	3346	3502	3669	2558	2560	2634	2480	1840
1954	1904	1625	1758	2259	3169	4868	5109	4388	4362	4285	4049	4072	4879	6936	7451
1955	1161	1221	1221	1230	1285	1641	1927	2300	2260	2297	2591	2482	2364	2264	2054
1956	6009	6148	5364	5584	5507	5628	5834	5774	5660	5795	7116	9006	9577	10213	11061
1957	4004	3798	3834	3820	4137	6579	6486	5838	5107	5772	8513	6539	6591	6719	6943
1958	2910	3061	3506	3911	3740	3464	3334	3515	3586	3412	4006	3696	4066	5274	6371
1959	2099	2218	3532	5010	5247	6138	6612	5665	4929	4560	4178	4443	4861	5598	5227
1960	4550	4339	4121	4393	5945	7785	10242	10483	10930	11165	10822	9142	7933	7136	6422
1961	2366	2240	3232	4486	4613	3349	3110	3004	2876	2080	2367	2187	2594	2392	2297
1962	2688	3256	3773	4444	4795	5065	5650	6288	5777	4682	4041	4147	4455	5557	6996

APRIL

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
3339	3509	3396	3665	3394	3243	2963	2670	2387	2370	2452	2699	3128	3201	3316	3543	4090	4429
8215	8731	9411	8204	6527	6620	6098	5858	6528	7779	8562	7355	6099	5718	5033	4620	3317	4353
18504	20265	21625	22810	23229	25040	23312	22450	18721	17930	15208	15482	14753	13616	12110	11161	14952	13643
3326	2841	2721	2302	2377	2310	2015	2274	2185	2848	2613	2821	3624	3471	3330	3282	3712	4231
2045	1985	2296	2082	2706	2855	3445	4460	6135	7701	6650	6101	5125	4326	3792	2729	3768	4622
7596	10219	12352	12581	14780	17389	18812	18660	15103	13559	11548	11850	13257	15411	16663	15853	14226	13167
3063	3230	4470	5633	6148	6379	6440	6284	6171	6313	6123	6002	5480	5356	5760	6191	6991	7300
2155	2437	2518	3724	5472	10555	8536	6896	6096	9614	8938	6732	6461	5890	5108	4452	4411	5165
7761	5943	5790	5886	7130	7765	9413	10308	8503	7069	8258	8197	10023	9325	8906	9226	9241	9046
6521	7448	7513	7141	8013	8713	9288	8968	9687	11164	11175	11063	8717	8276	7747	7186	6576	6012
9844	11505	11254	13094	10778	11156	11617	11612	9108	9634	8658	7951	8068	7476	7565	8281	11574	11017
8421	9827	10983	9842	10395	12428	14861	14611	12836	12601	13075	13849	16380	18536	22122	23239	21444	18794
2634	2480	1840	2636	2255	3181	3909	3581	6299	7202	9882	9941	10534	9021	9668	11656	12779	9568
4879	6936	7451	7233	7499	9196	10069	9628	8428	8032	8010	8131	8461	8924	8890	9496	9340	8555
2364	2264	2054	1866	1821	1952	2105	2166	2375	2690	2892	3215	2826	2489	2241	2489	2624	2802
9577	10213	11061	12390	13489	12607	12497	14959	15071	16939	17221	16150	15141	13577	15057	13854	13131	11892
6591	6719	6943	6944	6696	6323	6132	6122	6532	6317	6556	6892	6880	6234	5500	5385	5849	7427
4066	5274	6371	6712	7606	8555	9242	8944	8577	9218	8207	6997	6108	5368	4938	4630	4415	4565
4861	5898	5227	4912	4487	3814	3799	3649	3545	3737	3918	3864	4659	5445	6322	5600	5174	5025
7933	7136	6422	5500	4990	4575	4182	4772	4571	4417	4662	3847	4034	3759	3422	3729	3741	3885
2594	2392	2227	2346	2067	3175	4409	4050	3214	3265	3260	2072	2364	2358	2186	2368	2765	2835
4455	5557	6996	8598	8570	8559	9027	10169	11343	9548	8780	8620	9355	8675	8000	8306	8152	6612

CHART NO. 2

	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1	3943	2963	2670	2387	2370	2452	2599	3128	3201	3316	3543	4000	4429		94,150
2	5620	5048	5058	6523	7779	8562	7355	6099	5718	5033	4620	3317	4353		170,811
3	2944	2312	29450	18721	17930	15208	15482	14783	13615	12110	11161	14952	13643		503,266
4	2310	3015	2274	2185	2848	2613	2821	3624	3471	3330	3282	3712	4231		82,000
5	2855	3445	4460	6135	7701	6650	6101	5125	4325	3792	2729	3768	4622		101,194
6	17389	18812	18660	15103	13959	11548	11950	13257	15441	16663	15953	14226	13167		319,902
7	6379	6440	6294	6171	6313	6123	6002	5430	5356	5760	6191	6991	7300		144,699
8	10886	8536	6896	6096	9614	8938	6732	6461	5890	5108	4452	4411	5165		132,212
9	7765	9413	10308	8603	7089	8258	8197	10023	9325	8906	9226	9241	9046		208,274
10	6713	9288	8968	9687	11164	11175	11063	8717	8276	7747	7186	6576	6012		204,893
11	11156	11617	11612	9108	9634	8656	7951	8068	7476	7065	6281	11574	11017		276,856
12	12426	14861	14611	12636	12801	13075	13849	16380	16536	22122	23239	21444	18794		336,949
13	3181	3609	3581	6299	7202	9882	9941	10534	9021	9668	11656	12779	9568		165,098
14	8190	10069	9628	8426	8032	8010	8131	8461	8924	8890	9406	9340	8535		191,021
15	1812	2105	2166	2375	2690	2692	3215	2626	2489	2341	2489	2624	2802		64,911
16	12607	12417	14959	15071	16939	17221	16150	15141	13577	15057	13854	13131	11892		318,251
17	6323	6132	6122	6532	6317	6556	6892	6880	6234	5500	5385	5349	7427		180,628
18	8585	9242	8944	8577	9218	9207	6997	6108	5368	4938	4630	4415	4565		161,884
19	3814	3759	3649	3545	3737	3918	3864	4659	5445	6322	5600	5174	5025		136,367
20	4575	4182	4772	4571	4417	4662	3847	4034	3759	3422	3729	3741	3885		179,494
21	3179	4409	4050	3214	3265	3290	2072	2364	2358	2186	2368	2765	2635		86,032
22	8589	9027	10169	11343	9548	8780	8620	9355	8675	8000	8306	8152	6612		203,928

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1911	4890	5168	5019	5531	5646	5678	4968	4609	4612	4308	4367	5127	7366	8408	7456	6193
1912	4049	4010	3767	3545	3454	3481	3320	3456	3734	4349	4477	4364	4144	4097	4044	4151
1913	13118	14472	15282	15085	15650	14752	21884	11194	10220	10225	9810	9272	8431	8266	7851	7404
1914	4472	4415	3900	3741	3793	4412	5143	5600	5514	5168	5134	5178	5509	6077	7059	7632
1915	5684	6978	8661	10592	11644	10720	9978	9101	9082	9218	10489	9101	8230	8448	7555	6677
1916	11758	10583	10259	10837	12416	13481	12844	13260	12128	11745	10582	10286	9306	9563	9170	9087
1917	6899	7787	10947	11509	11660	11547	11766	12725	13838	11347	10891	9953	8473	7965	7504	7733
1918	4839	4538	3728	4393	4204	4307	5353	6539	6472	5797	5101	4613	5081	5491	6409	7046
1919	8043	7824	7269	6740	6507	6212	6294	7196	8178	9129	9835	10188	11441	11785	12313	12729
1920	5296	6968	5497	6494	5131	5034	4335	4258	5085	4557	5345	5562	6933	9553	11897	13385
1921	9164	6318	7239	7238	7299	8201	9732	12301	11980	12087	12460	13367	12371	10540	11714	8739
1922	14338	14047	16513	18001	18954	15799	16476	15533	15390	15081	14556	13358	16047	16502	16169	14231
1923	7935	6442	5512	5136	4791	6975	7413	8286	7592	6106	6086	5339	5084	5266	5493	5817
1924	7364	6445	5803	6282	6125	8165	8936	9704	10855	11776	13308	12853	11978	11087	9993	10824
1925	3296	3601	4040	4105	4134	5011	6697	7088	8417	8309	7939	7918	7917	7326	6984	5892
1926	10218	10200	9671	10211	10495	10826	11384	10702	11094	11328	10238	9987	8960	8698	7933	8258
1927	9110	10872	11712	11176	10375	9666	11186	12224	12850	12759	13083	12804	13328	13687	13505	13044
1928	4928	6924	8263	9839	11248	13513	14715	13949	13445	14578	15390	17413	17483	14213	12587	12839
1929	5870	7605	6827	6045	5108	4994	4463	4717	4858	5013	4497	4591	4796	5934	7852	9040
1930	3922	4261	4763	5023	5203	5127	5294	6438	6965	6909	8763	10699	11842	11130	8927	7912
1931	3605	3983	4617	4084	4042	3808	3334	2429	3246	2857	4098	3591	3619	3057	3477	4048
1932	5923	5454	5382	5560	6148	6512	7110	7166	8119	8257	8418	8076	7119	6456	5976	6170

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1941	5876	5273	4713	4985	5028	4885	5212	6341	5866	5148	4826	4982	5120	5417	5474	5217	4718
1942	6271	5752	5626	5932	6318	6766	8006	9385	9868	9502	8497	7225	6400	6171	6105	6822	6402
1943	15587	14754	12962	11286	10258	8909	8350	8004	7816	8370	9666	10493	11513	11171	10305	10063	9046
1944	5791	5553	5041	4788	4389	4168	4099	4084	4583	4943	4477	4254	4137	4007	4063	4095	4112
1945	7248	7584	8171	8810	8477	7996	7594	7816	6873	6299	7485	6911	6696	6727	6184	5678	5343
1946	7950	7533	7764	9114	10131	9775	8965	8249	7785	7505	7573	6965	6209	6139	6482	6365	5913
1947	7015	6887	6980	6014	5562	5299	5299	5342	6372	6867	5991	5421	4395	4743	4539	4785	4962
1948	10513	10900	11606	12316	11288	11163	11210	10962	10890	10534	10190	9609	9047	8398	7682	7075	6428
1949	8708	7602	6441	5588	5222	5867	5323	6558	6795	7171	7009	7447	6908	6266	5531	4828	4980
1950	10066	10139	10220	10932	10648	10879	11713	11063	9479	8073	7511	8098	8915	7834	8115	8634	9085
1951	9487	8497	7265	6970	6227	7755	6914	6277	5708	5396	5479	6034	7203	7536	8584	9851	10513
1952	12410	11938	11735	13212	13470	13830	13581	13783	12050	12664	10948	10492	7839	7788	7471	7157	6311
1953	7869	8636	9229	9010	9655	9255	8956	8815	8799	8842	9178	10758	13803	14870	12978	11311	10254
1954	5160	4757	4385	3988	4415	4803	4695	4456	4422	4339	4657	4615	4424	4644	5219	6412	6807
1955	6794	6665	6080	6046	6573	7172	8291	9501	10435	10478	10018	10242	9799	9361	7923	7971	6687
1956	18157	18296	16328	15324	13984	11825	10740	10140	10421	11121	11715	11500	12650	10277	9793	8658	7847
1957	12988	13502	14147	15587	15865	15921	15212	13000	11102	10310	9070	8717	8409	7867	6622	6285	5575
1958	12658	11471	10461	10328	9988	9513	10055	10402	10498	10045	9345	8848	9282	8774	8230	7494	8033
1959	3978	3982	4244	4701	5361	6151	7024	7529	7633	7502	7001	6361	6257	6509	7003	7660	7663
1960	6567	7981	8868	9307	9141	8558	7911	7947	7246	6584	6157	6056	6043	5954	5856	6316	5860
1961	6072	5981	6129	5680	5377	5919	5686	5769	5392	5475	4961	4928	5095	3585	4531	3622	3459
1962	6631	6960	7599	8823	7722	6930	6095	5618	5331	6174	7207	8450	8969	8377	7798	7656	8035

MAY

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
7496	6193	5543	5536	5708	5131	4809	4875	5676	6643	7222	7181	7861	8125	6497	5834	5620	182,668
1044	4151	4063	3815	3906	3693	4044	4664	6595	9166	8745	10608	10640	8987	7899	6931	6560	162,838
7851	7404	7311	7309	6906	7316	8041	8851	10237	12494	14158	14525	15433	15392	15465	16213	16835	361,402
7059	7632	7270	6542	5688	5075	4361	4248	4142	3824	3550	3429	3269	3789	3721	4432	5576	151,004
7555	6677	7216	7208	6601	5903	5382	5033	4993	5600	6638	6372	6538	6147	6152	6932	7120	236,573
9170	9087	9507	10011	10750	10746	10134	9995	10277	9414	8760	8863	10914	10528	10264	9346	7956	325,830
7504	7733	7063	7056	7143	6705	7403	7922	7782	7407	7316	7548	7862	8080	7846	6708	6497	272,882
5409	7046	8026	10024	11750	12004	11158	9708	9347	9066	9469	11787	12502	14185	15260	13357	11342	252,696
2313	12727	11484	11045	11133	10828	10219	9157	8361	8248	7608	8249	8084	9373	9402	9520	9017	262,431
1867	13385	13675	12924	12267	9602	8307	10851	12138	13535	13021	11443	11009	11542	11799	11588	11627	279,748
7174	8739	9745	10377	11258	11542	11650	11353	12580	12793	13746	12825	12536	13531	14035	12879	10811	344,921
5169	14231	12343	11652	12901	12544	13861	13676	12967	11778	13056	14007	15740	13838	14449	13520	12560	449,787
5493	6047	6208	7529	7120	9544	9170	7865	7045	6758	5485	5115	4725	4821	8049	6183	6898	201,788
9993	10824	11422	12411	12226	13404	14699	13747	11000	9763	9044	8390	7663	6614	5785	5228	4974	296,066
6984	5892	4734	4318	4549	5899	7548	9905	9657	8668	7661	6974	6186	5930	5467	5763	6712	198,635
7933	8258	9716	11258	14370	15780	16976	18860	19581	20134	22949	20931	15423	19484	17472	16500	16839	420,677
3505	13044	13377	13270	16619	16751	16930	12150	11422	10232	9262	8974	9657	10360	11241	12253	12790	376,769
2587	12839	12626	15234	17097	18168	21254	21745	21221	20507	20419	18831	16502	18627	17475	15608	14326	473,187
7852	9040	7963	7080	6054	5228	4541	4930	4240	4322	4512	4193	4039	4271	4133	3980	3901	155,797
8927	7912	7473	6667	6028	5170	5073	4941	4367	4461	3891	3735	3766	3548	4148	4736	5599	187,181
3477	4048	3907	4219	3777	4241	5448	5761	5954	6612	7773	7121	7830	7495	6624	6442	7610	149,409
5976	6170	5872	5189	5656	6199	6284	6047	5717	6431	7609	7251	7021	6491	6557	6308	6731	203,229

JUNE

15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
5474	5217	4718	4390	4612	4450	4067	3541	3436	3300	3016	3077	2668	2626	2656	2468		133,388
6105	6822	6402	5525	5420	5117	4794	4453	4427	4650	4756	4886	4527	4024	3862	3701		181,187
0905	10063	9046	9978	11871	12584	11249	10070	10859	10635	9768	9435	9483	9715	9920	9755		313,877
4063	4095	4112	3762	3506	3582	3888	3933	3924	3606	3689	3732	3741	3684	3228	3004		123,863
6164	5678	5343	5416	5806	6460	7091	7389	7317	7137	6538	6633	5948	5117	4311	3963		202,998
6482	6365	5913	5539	5241	5054	5133	5241	4827	5035	4566	3994	3917	3468	3540	3407		189,412
4539	4785	4962	5051	5334	5103	4813	4215	3548	3663	3798	3631	3738	3439	2971	2842		148,619
7682	7075	8426	5872	5495	4918	5009	5523	4938	4634	4327	4182	4086	3875	3657	3476		220,853
5531	4828	4980	4145	3728	3705	3597	3301	3091	3292	3073	3074	2960	2558	2418	2328		150,554
8115	8634	9085	9759	8926	9710	9794	10313	10051	8978	7663	6895	5212	6531	7034	8135		270,405
8584	9851	10513	9966	9533	8704	8506	7928	7135	6408	6370	5833	6263	5806	5949	5691		219,788
7471	7157	6311	6538	5654	6755	6336	5380	5598	5239	5328	5419	5276	5236	4724	5238		259,400
2978	11011	10294	12398	12700	11478	10079	9372	9297	9415	9046	7988	6975	6975	6895	7246		291,782
5219	6412	6807	5971	5393	5339	5530	6370	6893	7728	7601	7579	9807	8406	6267	6387		171,550
7923	7971	6687	6408	5760	5810	6345	6853	6183	6245	5718	4168	4196	3928	3926	4001		209,560
9793	9658	7947	7102	6561	7223	7256	7356	6194	6500	5871	6087	5776	5995	6042	5603		261,292
6622	6285	5875	5046	5144	5582	5863	5551	5085	4971	5504	4690	5019	5141	5358	5073		256,006
8230	7494	8033	8428	8462	8155	7722	7191	7000	6967	7002	5680	5318	4764	4585	4083		250,783
7003	7660	7663	7262	6877	6500	6485	6429	6326	6113	5764	5462	4985	4572	4104	3620		181,078
5896	6316	5860	5021	4575	4208	3939	3374	3303	3004	3060	2997	3013	2624	2403	2652		166,675
4531	3622	3459	3333	3142	2892	2500	2296	1987	1932	1762	1738	1707	1359	1273	1116		114,693
7798	7656	8035	7180	7671	7908	8388	7736	7496	6954	6273	6728	6529	5658	5148	4655		212,699

JULY

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1941	2322	2843	3039	1927	1952	1710	1674	1575	1513	1437	1337	1246	1213	1230	1233	1251
1942	4013	4240	4155	3775	3793	3472	3324	3084	2814	2736	2424	2238	2106	2075	1899	1811
1943	10045	9693	9197	9300	8879	8231	8048	8349	8360	7942	7292	6508	5908	5338	5049	5053
1944	3009	3132	2688	2700	2103	2513	2194	2012	1856	1938	1857	1698	1642	1590	1519	1482
1945	3718	3569	3697	3642	3538	3165	3117	2943	2881	2900	2523	2109	2585	2335	2174	2136
1946	3334	3363	3476	3227	3104	2957	2713	2600	2587	2373	2385	2246	1949	1915	1811	1698
1947	2727	2594	2681	2701	2632	2476	2407	2450	2533	2120	2258	2132	1840	1871	1856	1816
1948	3652	3480	3149	2965	2676	2504	2408	2250	2112	2067	1889	1818	1814	1736	1500	1565
1949	2345	2243	2200	2079	2070	2094	2268	2117	1900	1699	1705	1663	1639	1500	1431	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	4307	4060	3758	3821	3636	3409	3003	2998	2645	2441
1952	5148	4151	3933	4253	3817	3764	3846	3333	3218	3076	3153	3534	3350	3127	2507	2564
1953	7247	7169	6740	6586	6778	6462	6786	6035	6033	5369	5294	5322	4683	4618	4453	3795
1954	5059	4327	4530	4360	4450	4445	4158	4178	3573	3417	2920	3120	2998	2706	2543	2693
1955	3573	3194	2743	2676	3036	2560	2432	2283	2303	2361	2751	2133	2506	2485	2116	2312
1956	5241	4804	4459	4281	3976	3925	3941	3803	4020	3267	3584	3423	3858	3354	3340	3070
1957	4756	4563	4422	3840	3605	3351	3239	2694	2949	2714	2453	2702	2577	2036	2372	2086
1958	4113	3444	3513	3324	3253	3177	2988	2733	2786	2580	2621	2242	2188	2170	2140	1957
1959	3049	2511	2563	2622	2476	2299	2350	2239	2162	1850	1836	1945	1737	1701	1512	1685
1960	2124	2136	2040	1947	2007	2086	1700	1751	1572	1647	1470	1423	1219	1275	1233	1236
1961	975	948	1290	1291	1274	1278	1189	1123	1063	1062	976	961	960	960	928	876
1962	4588	4326	3991	3533	3329	2993	3096	2914	2549	2827	2431	2345	2388	2241	2261	2074

JULY

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOT
1239	1233	1251	1217	1219	1147	1113	1090	1041	994	966	947	900	891	1141	1079	1040	920	41,
2075	1899	1811	1790	1696	1591	1530	1473	1450	1417	1356	1337	1280	1290	1198	1161	1151	1045	68,
5333	5040	5053	4694	4405	4363	4274	4063	4189	4169	4066	3435	3563	3448	3226	3148	2845	2638	179,
1590	1510	1482	1511	1455	1491	1317	1294	1347	1321	1293	1251	1259	1179	1149	1118	1029	1024	53,
2365	2179	2136	2081	1791	1789	1709	1623	1644	1504	1535	1447	1328	1282	1212	1209	1232	1191	89,
1915	1811	1658	1687	1744	1645	1532	1456	1553	1504	1382	1342	1286	1333	1380	1414	1356	1285	63,
1871	1850	1816	1733	1801	1679	1494	1436	1402	1356	1253	1209	1146	1140	1105	1006	1052	1092	57,
1736	1500	1565	1577	1497	1354	1350	1365	1348	1296	1181	1125	1020	920	914	969	968	884	53,
1500	1431	1390	1295	1296	1155	1083	1083	1000	1099	1043	973	927	925	945	930	894	878	45,
3507	3215	3069	3035	2818	2518	2402	2319	2270	2040	2003	1953	1902	1736	1662	1755	1678	1559	120,
2596	2645	2441	2681	2766	2443	2417	2338	2136	2153	1912	1698	1946	1715	2222	1575	2212	1541	97,
3127	2507	2564	2220	2354	2504	2121	2195	1904	2106	1970	1864	1658	1702	1727	1595	1745	1668	86,
4618	4453	3795	3274	3260	2672	2699	2313	2436	2277	2097	2154	1909	1863	1861	1785	1593	1579	127,
2706	2348	2593	2686	2509	2463	2045	1967	2100	1813	1838	1833	1802	1693	1692	1564	1442	1389	89,
2485	2116	2312	2027	2196	1963	1824	1660	1616	1597	1634	1628	1422	1295	1371	1444	1444	1424	65,
3354	3340	3070	2439	2619	2617	2238	2504	2517	2361	1953	1953	1952	1933	1975	1902	1896	1778	94,
2036	2172	2286	1967	1915	1697	1672	1751	1647	1587	1464	1439	1373	1373	1348	1344	1305	1422	74,
2170	2145	1957	2025	1977	2034	1820	1808	1779	1540	1585	1587	1594	1535	1576	1489	1527	1603	71,
1791	1512	1585	1533	1341	1394	1406	1230	1373	1238	1175	1085	1093	1066	1040	986	964	975	52,
1275	1230	1236	1115	1258	1131	983	947	1019	1011	936	924	892	738	739	776	684	752	40,
960	926	876	848	749	733	727	729	760	756	780	736	700	696	760	778	781	775	25,
2041	2261	2074	1950	1682	1677	1647	1631	1613	1512	1502	1459	1441	1574	1555	1532	1484	1311	71,

CHART NO. 2

18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
219	1147	1113	1090	1041	994	966	947	900	891	1141	1079	1040	920	41,666
306	1501	1530	1473	1450	1417	1356	1337	1280	1290	1198	1161	1151	1045	60,725
405	4363	4274	4063	4189	4169	4086	3955	3563	3448	3226	3148	2945	2538	179,799
455	1401	1317	1204	1342	1321	1293	1251	1259	1179	1149	1118	1029	1024	53,191
701	1789	1709	1623	1644	1504	1535	1447	1328	1262	1212	1209	1232	1191	89,704
744	1645	1532	1456	1553	1504	1382	1342	1296	1333	1380	1414	1356	1285	63,977
801	1679	1494	1436	1402	1350	1253	1209	1146	1140	1105	1006	1052	1092	57,947
1407	1354	1350	1365	1348	1266	1181	1125	1020	920	914	969	968	864	53,499
1506	1155	1063	1063	1000	1099	1043	973	927	925	945	930	894	878	45,949
2018	2518	2432	2319	2270	2040	2003	1953	1902	1736	1662	1755	1678	1559	120,856
2766	2443	2417	2338	2136	2153	1912	1690	1946	1715	2222	1676	2212	1541	97,845
2354	2504	2121	2195	1904	2106	1990	1964	1658	1702	1727	1595	1745	1658	86,232
3260	2572	2609	2313	2436	2277	2097	2154	1909	1883	1881	1785	1593	1679	127,172
2509	2463	2045	1967	2100	1813	1838	1833	1802	1693	1602	1564	1442	1369	89,478
2196	1963	1924	1560	1616	1597	1624	1628	1422	1295	1371	1444	1444	1424	65,969
2619	2617	2333	2504	2517	2361	1953	1953	1952	1933	1975	1902	1856	1778	94,948
1915	1697	1672	1751	1647	1587	1464	1439	1373	1373	1348	1344	1305	1422	74,153
1977	2034	1820	1806	1779	1540	1685	1687	1594	1535	1576	1489	1527	1603	71,233
1341	1394	1406	1230	1373	1238	1175	1085	1069	1066	1040	988	954	975	52,448
1258	1131	983	947	1019	1011	936	924	832	738	739	776	664	752	40,787
740	733	727	729	760	756	780	726	700	696	760	779	781	775	28,410
1682	1677	1647	1631	1613	1512	1502	1459	1441	1574	1595	1532	1464	1311	71,456

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1941	943	873	856	848	786	713	736	738	716	702	682	1339	1262	1140	899	839
1942	1051	1009	1000	1009	967	972	930	893	929	862	878	784	756	742	745	729
1943	2477	2514	2409	2330	2308	2173	2044	1875	1896	2060	1656	1539	1630	1644	1636	1618
1944	1012	1000	1042	1027	1002	956	889	783	814	790	770	767	687	650	649	638
1945	1093	1020	1077	1025	961	978	949	1246	915	915	970	929	912	882	814	799
1946	1263	1291	1282	1249	1224	1116	1099	1089	1086	963	934	901	896	854	844	837
1947	1040	1022	973	900	909	872	836	748	790	737	721	714	644	654	663	672
1948	870	957	887	823	745	884	935	836	848	825	843	859	792	745	734	737
1949	838	795	764	646	594	604	557	571	625	625	608	662	707	727	767	764
1950	1656	1530	1525	1401	1552	1840	1590	1567	1274	1350	1471	1447	1300	1400	1136	1127
1951	1515	1605	1521	1630	1721	1769	1389	1309	1260	1341	1190	1379	927	1130	968	867
1952	1300	2104	1336	1564	1186	1213	1262	1487	1344	1243	1214	1188	908	1393	1495	805
1953	1536	1670	1619	1439	1502	1490	1492	1230	1207	1197	1105	1105	1103	1102	1228	1193
1954	1337	1312	1238	1240	1200	1192	1129	1206	1204	1180	1151	1134	1144	1141	1170	1180
1955	1282	1188	1107	971	955	864	993	930	942	994	1009	983	934	902	933	911
1956	1601	1476	1406	1438	1397	1350	1250	1234	1067	1036	1001	925	1009	999	841	805
1957	1343	1251	1170	1072	956	962	969	961	950	955	953	901	891	834	779	789
1958	1644	1641	1626	1468	1297	1268	1228	1165	1117	1108	1094	1099	1091	987	893	826
1959	1025	1059	1010	952	709	638	515	692	714	725	724	650	607	577	551	502
1960	836	794	938	893	861	838	763	721	662	634	681	636	591	624	526	511
1961	657	660	688	679	681	696	628	546	483	492	528	594	646	633	683	779
1962	1334	1277	1269	1243	1126	1152	1094	1082	956	991	964	912	960	906	869	845

ALPH

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29
1	1262	1140	809	639	832	800	1260	962	832	879	800	714	860	736	701	757	749
2	736	742	745	725	674	688	548	611	596	625	597	623	626	546	605	568	578
3	1630	1644	1536	1644	1594	1521	1534	1457	1400	1366	1315	1304	1280	1275	1244	1234	1211
4	687	650	649	636	631	634	625	615	594	542	536	547	534	523	529	510	537
5	912	882	814	754	769	750	759	726	737	710	714	720	679	644	623	594	580
6	886	854	844	847	814	744	753	780	735	768	832	804	835	861	868	876	824
7	644	654	663	673	637	619	613	589	579	586	569	555	566	567	546	521	510
8	752	745	734	737	753	742	723	679	690	670	679	691	680	677	667	652	644
9	737	727	767	764	829	831	763	718	654	611	594	572	560	551	566	544	539
10	1300	1400	1136	1127	1017	1026	949	1001	994	1049	946	1034	1034	873	863	900	801
11	927	1130	966	967	817	1110	825	759	861	1061	1072	835	1197	934	933	806	840
12	946	1393	1495	805	823	1024	940	1015	1137	930	1306	942	542	572	880	904	633
13	1108	1102	1226	1193	1180	1046	1056	1076	1095	1116	1035	1035	939	934	924	953	924
14	1144	1141	1170	1188	1158	1025	906	925	931	1016	1030	1072	997	863	906	884	903
15	934	902	933	911	902	899	850	830	962	977	946	848	797	721	735	711	733
16	1009	999	841	835	841	734	841	748	780	841	817	853	931	930	841	841	714
17	861	834	779	769	725	745	734	675	720	736	803	647	603	605	740	641	764
18	1091	989	863	826	854	866	875	836	897	875	824	669	658	630	630	662	681
19	627	577	581	509	547	611	641	900	974	1025	1115	936	806	888	844	849	831
20	594	624	526	511	615	627	748	779	717	695	635	690	754	839	856	862	807
21	646	633	608	779	800	768	734	639	620	630	618	587	592	590	671	710	701
22	960	906	869	845	836	724	721	766	803	835	886	811	794	736	736	747	746

	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
0	1260	962	832	870	800	744	660	776	781	787	740	724	690	26,603
5	545	611	596	625	597	623	626	546	635	568	578	553	643	23,407
11	1534	1457	1400	1366	1315	1306	1230	1275	1244	1234	1211	1179	1172	51,078
34	625	615	591	542	536	547	534	523	529	518	537	529	533	21,642
50	759	726	727	710	714	720	679	646	623	584	580	550	588	25,000
64	753	780	735	768	832	834	835	831	868	876	874	834	829	29,107
85	613	589	579	586	569	525	586	567	546	521	510	553	598	21,525
92	723	679	690	670	679	686	680	677	667	652	644	636	628	23,529
101	763	718	654	611	594	572	560	551	566	544	539	526	541	23,262
125	945	1001	994	1045	945	1006	1034	803	863	960	801	730	724	37,251
110	825	759	841	1061	1072	835	1157	936	933	806	840	766	971	35,348
124	948	1015	1137	990	1305	942	532	572	850	904	633	372	1050	36,368
148	1056	1076	1095	1116	1035	1035	939	934	924	953	954	989	885	36,447
155	996	925	931	1016	1000	1072	997	893	906	884	903	863	809	33,708
159	850	836	962	977	946	848	797	721	735	711	733	714	739	28,271
204	841	748	780	841	817	853	921	938	841	841	714	783	776	31,208
245	724	675	720	736	608	647	603	625	740	641	764	632	681	25,972
266	875	838	857	875	824	669	658	608	600	662	661	669	690	30,303
311	641	900	1074	1125	1115	936	866	830	844	849	831	776	768	28,216
327	748	772	717	635	625	690	754	839	856	662	807	780	935	25,079
368	734	639	620	630	618	597	592	589	671	710	701	733	673	25,000
724	721	766	813	835	856	811	794	739	736	747	748	780	798	28,726

SEPTEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1941	658	634	632	650	640	655	646	627	643	655	653	642	669	698	742	747
1942	617	631	599	575	568	558	553	521	515	500	530	554	572	524	532	638
1943	1173	1175	1155	1136	1100	1076	1048	1022	1013	957	922	914	882	917	926	889
1944	476	473	489	551	574	627	650	640	645	603	568	557	517	509	487	435
1945	610	613	606	604	569	586	584	577	609	563	575	611	579	594	563	557
1946	804	741	722	720	681	710	724	794	869	865	824	778	717	695	654	661
1947	588	614	586	570	605	589	585	630	617	645	652	640	701	705	686	656
1948	620	612	606	610	616	620	616	620	620	589	560	570	630	603	592	581
1949	544	544	528	513	489	434	437	433	450	524	541	613	630	621	637	568
1950	811	714	821	612	508	516	496	541	1024	1752	1297	928	756	984	902	843
1951	756	841	1124	617	775	617	709	570	768	843	643	616	692	904	596	696
1952	874	711	1072	947	666	855	692	321	630	655	874	763	756	2173	1067	756
1953	885	982	976	943	934	897	893	683	850	840	823	811	811	801	800	776
1954	797	742	704	683	679	637	635	617	576	628	644	699	687	664	773	774
1955	709	631	574	569	598	609	575	591	575	554	663	663	663	599	604	608
1956	838	890	885	830	882	862	930	1006	940	1003	1061	1055	1050	1054	1091	1090
1957	743	753	843	950	1013	1006	980	851	905	916	872	899	868	868	864	831
1958	777	732	824	920	1033	1148	1128	1076	958	977	997	936	1040	948	958	1051
1959	790	824	1025	976	921	812	788	570	618	678	587	696	874	909	1062	1242
1960	872	747	680	665	1051	811	853	846	633	688	721	747	776	804	924	1003
1961	565	568	593	574	645	637	568	556	525	599	623	656	698	556	604	593
1962	836	842	779	789	768	809	819	801	789	736	731	771	817	839	841	857

SEPTEMBER

14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
698	742	747	740	727	686	699	710	726	726	726	728	731	727	711	714	715	
624	632	638	623	623	601	620	635	652	666	615	604	572	557	575	536	544	
917	926	889	862	817	783	767	738	823	853	840	891	815	850	874	882	899	
509	487	435	477	474	547	606	663	707	689	672	658	636	624	630	620	560	
594	563	557	578	589	624	630	644	691	829	875	951	963	782	675	681	656	
695	654	661	670	725	793	857	893	893	889	892	827	783	742	681	682	681	
705	686	636	637	591	636	627	606	607	615	617	617	619	592	544	582	590	
603	592	581	525	507	499	474	508	483	504	538	562	590	725	757	806	760	
621	637	568	556	557	502	505	489	474	485	503	508	507	503	466	472	534	
954	902	843	839	804	841	850	846	769	716	712	678	700	750	801	852	938	
904	596	646	736	609	534	318	805	298	729	717	778	833	704	924	706	812	
2173	1067	756	1032	687	716	1311	1000	613	823	525	825	356	1466	1050	576	592	
801	800	776	725	729	756	751	773	822	799	774	706	651	606	604	604	617	
664	773	774	754	819	871	824	793	723	685	682	753	660	690	625	653	711	
599	604	608	636	741	824	840	725	693	608	651	804	821	862	844	768	745	
1054	1091	1090	967	952	825	839	839	762	731	744	744	822	842	864	935	1057	
868	864	831	836	849	681	877	863	931	962	908	901	915	934	878	863	875	
948	958	1061	1006	1004	878	934	920	828	732	632	625	758	839	846	849	848	
999	1062	1242	1330	1302	1269	1276	1516	1685	1671	1503	1286	1313	1497	1580	1595	1512	
884	924	1003	910	853	815	835	890	861	873	806	645	801	636	545	380	351	
556	604	593	594	722	713	744	749	748	746	754	726	670	593	568	575	579	
839	841	857	859	848	821	775	791	744	847	895	911	896	863	866	867	934	

18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
727	686	699	710	726	726	728	728	731	727	711	714	715		20,659
623	601	620	635	652	666	615	604	572	557	575	536	544		17,670
817	783	787	758	823	858	840	891	815	850	874	882	899		28,049
474	547	606	663	707	689	672	658	636	624	630	620	560		17,384
589	624	630	644	691	829	975	951	963	782	675	681	656		19,573
725	793	857	893	893	889	892	827	783	742	681	682	681		22,967
591	636	627	606	607	615	617	617	619	592	534	582	590		18,604
507	499	474	508	483	504	538	562	590	725	757	806	760		17,873
557	502	505	489	474	485	503	508	507	503	466	472	534		15,567
804	841	850	846	769	716	712	678	700	750	801	852	938		24,632
609	534	318	805	298	729	717	778	833	704	924	706	812		21,275
687	716	1311	1000	613	823	525	825	356	1466	1050	578	592		25,554
729	756	751	773	822	739	774	708	651	606	604	604	617		23,814
849	871	824	793	723	685	682	753	660	650	625	653	711		21,162
741	824	840	725	693	608	651	804	821	862	844	768	745		20,397
932	825	839	839	762	731	744	744	822	842	884	935	1057		27,542
849	881	877	883	931	962	908	901	915	934	878	883	875		26,685
1004	878	934	920	828	732	632	625	758	839	846	849	848		27,212
1302	1269	1276	1516	1685	1571	1503	1286	1313	1497	1580	1595	1512		33,817
833	815	835	890	861	873	806	645	801	636	545	380	351		23,122
722	713	744	749	748	746	754	726	670	593	568	575	579		19,106
848	821	775	791	794	847	895	911	896	863	866	867	934		24,793

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1941	718	694	674	665	691	724	752	797	732	715	591	676	783	804	698	802
1942	567	748	695	662	697	665	659	684	435	501	439	605	740	744	844	563
1943	696	781	752	808	678	430	1043	864	845	766	907	1228	940	1122	933	927
1944	571	583	702	630	554	718	635	636	619	646	652	635	617	611	652	642
1945	353	745	778	774	726	715	716	722	581	601	570	773	696	542	865	746
1946	672	1566	1714	1217	1151	974	940	1064	1013	995	961	991	931	898	932	865
1947	536	648	559	703	619	638	645	518	632	876	803	947	941	874	777	822
1948	631	616	536	551	715	779	728	755	791	697	698	742	742	750	748	751
1949	513	562	575	793	753	948	943	896	835	860	996	849	858	815	827	851
1950	1049	1161	967	968	1027	995	1027	1090	1056	1262	1146	973	950	930	967	971
1951	919	1440	1748	1289	992	1114	1240	1236	681	948	1368	808	1358	1565	941	1751
1952	645	583	1512	748	854	548	1020	719	1197	564	693	793	494	892	948	837
1953	701	689	673	666	635	676	694	799	683	867	581	894	756	930	931	956
1954	732	733	736	736	742	757	791	806	833	841	863	873	894	894	906	995
1955	684	633	621	702	782	793	793	802	815	863	901	922	916	872	893	888
1956	1102	1176	1138	1138	1134	1096	1092	1092	1090	1088	1056	1065	1082	1096	1112	1025
1957	801	742	720	731	741	732	779	764	791	799	805	813	819	826	840	851
1958	964	995	1029	995	986	991	990	864	692	652	594	687	818	824	830	817
1959	1404	1292	1188	1157	947	1024	989	1069	1213	1477	1576	1772	1891	1569	1666	1571
1960	382	395	401	411	482	530	681	882	1109	1195	1322	1116	906	844	816	715
1961	802	753	864	972	887	765	714	706	764	879	963	989	992	976	894	786
1962	850	872	748	647	830	729	828	747	937	1148	1471	1452	1927	1700	1879	1823

OCTOBER

13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
788	804	808	802	2533	1954	1566	1420	1187	922	936	860	694	863	958	909	675	1000	87
740	744	844	563	683	718	692	895	720	764	720	760	651	626	702	792	737	835	69
940	1122	939	927	1006	876	1012	883	1121	1084	1085	1034	1188	1348	1202	1234	1460	1451	131
617	611	652	642	821	807	673	632	598	664	671	674	693	609	958	436	660	638	71
696	542	865	746	689	777	846	792	814	838	768	797	776	785	800	761	802	819	92
931	898	932	868	995	910	995	925	936	1134	1256	1407	1281	1244	1236	1230	1123	1031	111
941	874	777	822	2138	1453	1233	1063	961	1002	977	947	915	850	813	954	995	1143	112
742	750	748	751	778	783	780	781	782	722	738	741	735	736	734	675	686	685	73
858	815	827	851	825	834	746	748	753	812	826	825	852	818	642	689	752	835	78
950	930	967	971	971	971	971	971	971	974	973	972	972	991	1168	1274	1525	1685	183
1358	1565	941	1751	1489	565	1047	1924	1634	513	702	1189	1316	1347	1354	2001	1425	1178	1302
404	892	948	837	747	966	779	863	799	1025	1016	743	807	592	862	1259	1305	621	451
766	930	931	955	941	922	974	972	956	911	760	728	806	888	858	735	783	791	68
884	894	906	995	1054	1004	996	973	872	809	821	803	799	863	842	852	881	852	623
916	872	893	888	885	878	875	837	812	798	798	792	805	805	808	812	812	848	826
1062	1096	1112	1025	902	948	930	928	910	955	985	998	1025	1044	1153	1336	1220	1201	1190
819	825	840	851	863	889	923	906	977	952	995	999	988	960	985	980	978	986	961
818	824	830	817	797	740	775	754	836	880	777	802	804	829	908	841	780	764	838
1891	1569	1666	1571	1392	1349	1287	1250	1346	1375	1324	1394	1602	1667	1650	1516	1418	1333	1345
906	844	816	715	648	655	790	721	743	742	719	594	824	757	761	894	852	860	781
992	976	894	786	765	686	641	712	707	780	847	805	791	862	975	984	1051	1032	931
1027	1700	1879	1823	1748	1765	1200	1250	1000	1250	1043	981	954	1091	967	1103	847	784	906

CHART NO. 2

18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
954	1566	1420	1187	922	936	850	694	863	958	909	675	1000	871	31,600
718	892	895	720	764	720	760	651	626	702	792	737	835	699	21,282
876	1012	883	1121	1084	1085	1054	1188	1148	1202	1234	1460	1451	1301	30,901
807	673	632	598	664	671	674	693	639	958	436	669	638	718	20,414
777	846	792	814	838	768	797	776	735	800	761	802	819	924	22,911
910	995	925	936	1134	1256	1407	1281	1244	1236	1230	1123	1031	1118	33,697
1453	1233	1063	961	1002	977	947	915	850	813	954	995	1143	1120	28,122
783	780	781	782	722	738	741	735	736	734	675	686	685	735	22,321
634	746	748	753	812	826	825	852	818	642	689	752	835	780	24,512
971	971	971	971	974	973	972	972	991	1168	1274	1525	1685	1832	33,760
565	1047	1924	1634	513	702	1189	1316	1347	1354	2001	1425	1178	1302	38,636
966	779	863	799	1025	1016	743	837	512	862	1259	1305	621	461	25,892
922	974	972	956	911	760	728	896	888	858	735	783	791	683	24,929
1004	996	973	872	809	821	803	799	863	812	852	881	852	823	26,366
878	875	837	812	798	798	792	805	805	808	812	812	848	876	25,311
948	930	928	910	955	985	998	1025	1044	1153	1338	1220	1201	1190	33,304
889	923	966	977	992	995	999	988	960	985	980	978	986	961	27,056
740	775	754	836	880	777	802	804	829	908	841	788	764	838	25,921
1319	1287	1250	1346	1375	1324	1394	1602	1667	1650	1516	1419	1333	1345	43,454
655	790	721	743	742	719	594	684	717	761	834	852	860	781	23,522
986	641	712	707	780	847	805	791	862	975	984	1051	1032	931	26,075
1765	1200	1250	1000	1250	1043	981	954	1091	967	1109	847	784	906	35,477

NOVEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	780	894	1387	2533	1954	1566
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707	842	944	1562	1158	1186
1943	1158	1212	1079	1106	1917	2081	1526	1332	1175	853	1740	1240	1156	1206	1133	1130	1128	967
1944	952	1196	917	1007	1406	1314	1050	900	847	1011	1148	1039	928	975	860	870	745	682
1945	902	1104	715	807	917	860	812	865	785	740	787	1072	819	840	941	957	932	888
1946	1031	1033	929	844	934	927	1063	971	988	972	1028	937	841	850	944	936	856	947
1947	1073	1003	1003	992	911	999	970	1097	1051	961	949	985	859	985	970	993	1022	928
1948	813	1214	1589	1177	1010	947	883	771	765	779	812	817	856	912	932	981	916	883
1949	805	710	716	824	700	690	700	779	995	1043	1022	821	885	840	906	817	846	715
1950	1399	2008	1950	1257	1357	1273	1471	1657	1649	1368	1257	1343	1126	1303	1186	1129	1172	1419
1951	1151	906	1003	1365	1001	1305	1093	827	1116	747	810	810	1072	1368	952	895	587	1272
1952	756	753	751	748	748	736	741	749	752	767	831	976	1145	1394	1378	1152	906	804
1953	678	952	844	716	853	868	863	858	860	868	877	926	915	759	889	942	775	664
1954	812	767	764	752	728	712	703	704	716	728	742	864	885	965	972	1048	1167	1070
1955	824	813	806	806	811	814	816	821	830	854	875	934	1051	1074	967	853	834	798
1956	1114	1109	1107	1107	1107	1111	1109	1107	1111	1077	1121	1114	1116	1100	1050	1023	959	982
1957	952	937	916	960	882	820	800	838	741	725	799	844	881	900	943	952	966	952
1958	606	567	752	930	869	764	1436	2330	1567	1366	1136	1047	1039	1197	1271	1024	891	847
1959	1248	1246	1243	1228	1213	1104	1097	1045	1052	992	938	1057	1023	842	725	726	747	762
1960	802	843	872	865	831	721	694	672	734	851	895	862	940	952	1095	905	918	1121
1961	852	941	952	901	845	732	667	634	640	725	842	951	974	856	820	715	641	582
1962	1091	1162	1139	1025	826	784	793	884	903	1056	1252	1255	1322	1197	961	958	750	619

DECEMBER

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1941	943	947	1661	4605	3137	2036	1837	1555	1400	1465	1458	1237	1309	1406	1372	1694	1580	1836	187
1942	1854	1741	1365	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225	1116	1111	1041	1189	1052	92
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746	746	770	748	759	939	97
1944	805	808	793	686	667	728	736	746	638	407	342	352	396	406	464	505	765	610	64
1945	972	718	616	866	1056	1008	1091	933	819	456	695	856	664	571	568	707	645	1040	83
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1941	3056	4053	4709	3950	2413	1771	187
1947	1239	1165	1100	920	1078	1117	954	951	908	957	622	838	709	995	922	901	811	959	99
1948	790	846	881	857	849	841	883	882	874	870	930	952	988	999	980	942	892	767	720
1949	1303	1123	1148	775	804	855	790	842	891	780	701	626	650	903	718	817	809	934	656
1950	1403	1398	1485	1441	1551	1450	1561	1878	1631	1645	1759	1651	1474	2107	1264	1179	1669	1304	1206
1951	2369	3435	2251	2024	1569	1335	1117	853	711	916	962	1493	1337	1060	1098	754	1072	1273	1362
1952	723	836	920	915	848	764	755	845	916	947	991	1042	1093	1200	1139	1047	972	933	871
1953	1008	1002	1012	1012	996	925	958	962	969	1013	1025	982	1034	971	900	828	829	841	789
1954	701	705	707	711	712	741	754	777	793	818	825	813	801	793	772	753	706	688	676
1955	1110	920	928	942	958	973	999	1022	1034	1182	1161	923	876	919	784	971	897	1439	1641
1956	897	889	886	853	905	863	952	921	988	1060	1122	1588	2196	2317	1961	1753	1425	1116	1121
1957	877	609	765	746	701	752	884	911	930	941	911	915	839	843	848	854	1001	1023	1052
1958	909	1208	1219	1140	1171	1090	991	1164	1247	1251	1404	3044	2870	2586	1169	1251	1932	1401	1286
1959	843	918	885	932	843	804	491	599	507	559	714	747	819	894	714	810	784	749	839
1960	851	870	986	951	749	722	684	550	555	503	546	679	734	765	821	880	901	906	903
1961	932	933	952	974	924	747	651	632	620	562	640	662	719	777	796	864	942	925	941
1962	1027	1132	1674	1987	1547	1338	1057	1415	1034	1168	826	737	806	902	1564	1156	1029	1149	1207

NOVEMBER

	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
0	894	1307	2533	1954	1566	1420	1187	922	936	850	694	863	958	909	675	1000	871		31,600
7	842	944	1562	1158	1186	1150	1007	857	703	858	1128	1793	1534	1246	1442	1412	2098		32,034
5	1206	1133	1130	1128	967	1087	1141	1106	985	1056	1056	968	1056	959	955	909	935		35,352
8	975	860	870	745	682	577	656	681	731	722	699	802	716	741	727	600	581		26,099
9	840	941	957	952	888	936	976	839	675	580	875	1004	991	1061	1096	1054	905		26,635
1	850	944	936	856	947	1115	2186	1660	1484	1328	1706	1608	1603	1713	1457	1522	1676		36,107
9	985	970	993	1022	928	1024	865	754	883	655	771	1011	993	1032	1081	973	998		28,797
6	912	932	981	916	863	854	838	818	790	808	803	813	831	815	818	830	784		26,959
5	840	906	817	846	715	809	684	841	645	804	1409	1474	1367	1290	1347	1205	917		27,606
6	1303	1186	1129	1172	1419	1649	1540	1597	1879	1277	1272	1388	1383	1359	1278	1232	1298		42,476
72	1368	952	895	587	1272	1198	1198	1200	1279	1051	953	931	863	1518	1231	1330	1210		32,142
15	1394	1378	1152	906	804	658	650	666	700	724	696	656	652	652	650	648	647		24,066
15	759	889	942	775	664	731	740	752	871	1990	2112	1272	1102	1310	1344	1291	1130		29,772
85	965	972	1048	1167	1070	1037	1026	946	905	861	824	769	762	757	754	749	746		25,235
51	1074	967	853	834	798	838	941	1506	1922	2120	1863	1830	1862	1713	1604	1330	1230		34,343
16	1100	1070	1023	959	882	929	1017	1006	964	992	1024	974	977	964	955	936	923		31,227
81	900	943	952	966	852	873	901	880	821	781	831	828	797	772	916	928	898		26,074
39	1197	1271	1024	891	847	862	1345	1495	1612	1404	961	968	826	648	617	646	875		31,898
23	842	725	726	747	762	915	1004	946	1013	1045	1100	1070	1200	1117	986	911	827		30,426
40	952	1095	905	918	1121	1136	1004	981	909	920	926	899	972	946	888	905	902		26,921
74	856	820	715	641	582	704	751	863	981	1124	1252	1074	998	962	971	967	913		25,830
322	1197	961	958	750	619	602	820	958	1221	1361	1407	1406	1551	1418	1407	1217	1162		32,507

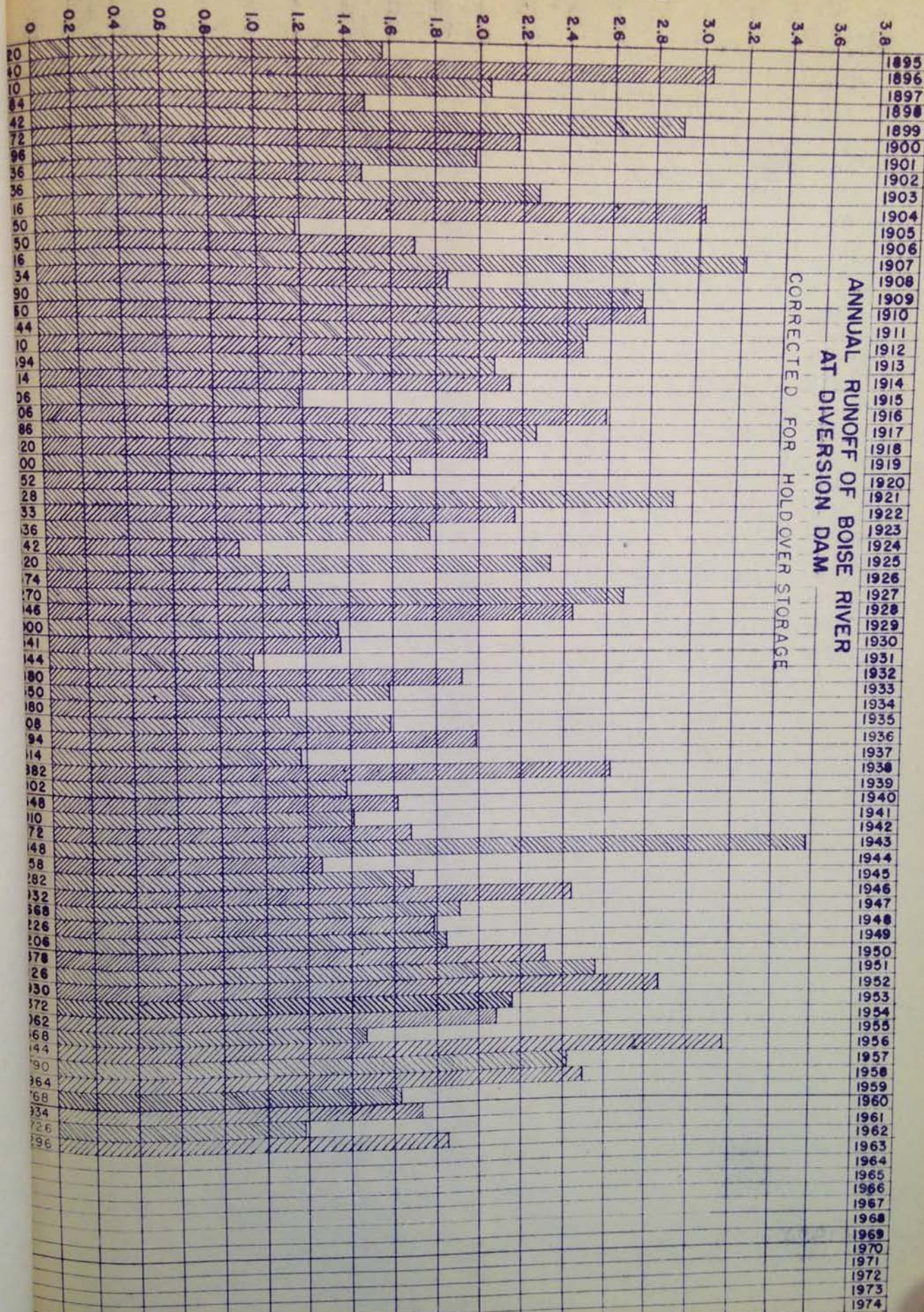
DECEMBER

	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
309	1406	1372	1694	1580	1835	1871	2130	2240	2159	1896	1673	1657	1335	1097	917	1411	1620	1873		53,419
1225	1116	1111	1041	1169	1052	920	942	994	1293	1140	1395	1644	1707	1173	1131	1851	1679	2620		40,891
746	746	770	748	759	939	974	1002	1003	1166	1003	943	1056	954	638	628	536	757	994		27,884
306	406	464	505	765	610	640	866	1052	816	1137	906	839	763	615	621	568	906	826		21,451
664	571	568	707	645	1040	833	691	898	893	1243	1173	1130	1000	1206	1505	3667	5249	3567		37,356
3056	4053	4709	3950	2413	1771	1670	1845	1792	1550	1306	1384	1439	1319	1319	1286	1137	948	865		54,696
709	995	922	901	811	959	991	844	951	798	792	974	746	737	736	779	961	790	513		27,758
988	999	980	942	892	767	720	739	713	673	702	697	664	652	681	743	804	861	875		25,547
650	903	718	817	809	934	656	565	728	778	931	906	764	779	795	975	775	739	748		25,608
1474	2107	1284	1179	1669	1304	1206	1181	1537	1246	1326	1283	1304	1502	1148	770	907	1599	1440		44,319
1337	1060	1098	754	1072	1273	1362	807	959	2049	2046	1242	1236	629	1253	1145	2220	1393	1332		43,802
1093	1200	1139	1047	972	933	871	842	790	784	782	781	793	816	802	820	801	779			54,662
1034	971	900	828	829	841	789	927	1015	1053	1097	1014	1053	901	869	764	692	771	768		28,980
801	793	772	753	706	688	676	619	612	612	605	601	600	622	674	714	792	906	957		22,560
876	919	785	971	607	1435	1641	2250	2222	4106	16700	20551	11314	7361	5053	4416	3637	2728	2721		102,759
2196	2317	1964	1753	1418	1116	1181	961	957	932	921	917	911	825	823	792	796	789	778		34,611
839	843	848	854	1001	1027	1052	1045	1042	1064	1063	1022	1036	1048	1053	1044	1064	1025	916		29,064
2870	2586	1169	1251	1932	1401	1286	1109	1282	1356	1201	1198	1312	1203	1259	1094	889	840	901		41,587
919	894	714	810	784	749	839	856	821	776	699	739	904	976	1023	938	804	650	620		24,257
734	765	821	850	901	906	903	901	894	882	871	856	824	748	721	704	664	646	706		23,983
719	777	796	864	942	925	941	954	974	992	999	981	939	889	817	784	801	806	807		25,936
806	902	1564	1156	1029	1149	1207	939	1127	994	1034	600	550	559	706	736	976	1145	838		32,959

TABLE, IN SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER
FOR A 65-YEAR PERIOD, 1895 TO 1959, INCLUSIVE

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1.	1152	1073	1619	3668	7177	8507	4285	1232	747	767	909	1140
2.	1138	1091	1627	3360	7289	8395	4137	1156	748	815	933	1166
3.	1128	1129	1655	4008	7383	8313	3970	1163	754	835	978	1123
4.	1079	1158	1645	4139	7647	8246	3817	1138	735	826	928	1142
5.	1059	1236	1688	4215	7778	8112	3674	1096	735	820	952	1072
6.	1049	1229	1718	4350	7999	8038	3466	1072	732	817	956	1064
7.	1056	1228	1722	4498	8316	8107	3354	1044	725	846	954	1033
8.	1045	1336	1815	4641	8374	8162	3226	1029	707	862	957	1006
9.	1029	1325	1956	4773	8477	8104	3106	993	723	852	958	971
10.	1032	1279	1936	5103	8577	8028	2920	959	742	853	977	984
11.	1034	1238	1940	5315	8433	7740	2777	945	746	855	993	1046
12.	1012	1222	2006	5564	8411	7716	2699	946	740	855	967	1208
13.	1004	1241	2039	6038	8434	7699	2556	914	749	868	938	1159
14.	1039	1244	2055	6456	8668	7642	2438	910	785	867	972	1148
15.	1098	1260	2103	6687	8673	7413	2315	895	768	882	958	1044
16.	1133	1293	2233	6944	8667	7368	2208	870	767	882	1053	1019
17.	1130	1308	2192	6978	8646	7150	2074	854	767	926	975	1050
18.	1150	1302	2574	7251	8795	6958	1960	840	753	908	1000	1018
19.	1145	1290	2660	7229	8729	6620	1882	832	747	904	985	1052
20.	1201	1315	2800	7094	8617	6591	1803	819	760	906	1048	1024
21.	1204	1325	2869	6974	8561	6350	1720	825	761	904	1109	1061
22.	1203	1377	2980	7182	8515	6115	1660	809	740	877	1198	1086
23.	1210	1407	3041	7229	8504	5850	1623	803	754	896	1302	1285
24.	1188	1460	3021	7299	8590	5643	1561	781	751	902	1233	1364
25.	1224	1456	3097	7310	8700	5354	1540	765	759	896	1186	1218
26.	1182	1471	3155	7472	8639	5129	1461	752	744	893	1143	1125
27.	1152	1550	3256	7627	8852	5199	1408	747	773	913	1117	1114
28.	1124	1604	3314	7580	8682	4797	1388	745	767	925	1049	1124
29.	1099	1455	3471	7496	8581	4628	1335	736	760	928	1044	1191
30.	1071		3549	7348	8442	4461	1320	734	767	911	1080	1157
31.	1095		3565		8585		1259	739		920		1134

RUNOFF IN MILLIONS OF ACRE- FEET



TOTAL MONTHLY FLOW OF BOISE RIVER
FOR IRRIGATION YEARS BEGINNING

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1894-95	54700(8)	54000	62700	78600	68280	103180	243140	395220	225700	152380
1895-96	57040	54980	50960	73440	67660	157560	295040	555380	1464280	385520
1896-97	54220	61300(3)	64600	50520	55240	87960	476000(5)	506000(6)	415000(5)	143300
1897-98	63440	64100	61500(7)	34100	67200	119280	251900	320280	299360	116848
1898-99	53262	56240	151640	160600	79640	113900	425740	606020	731400	356160
1899-00	83664	90000	97000	125420	96440	305220	380020	510720	300640	84156
1900-01	63570	61880	65060	79440	98340	179320	305940	626460	287420	116400
1901-02	56454	53892	76400	61300	90440	88920	211470	353460	287160	106720
1902-03	45630	54498	63474	81760	63570	143360	448220	520620	601880	147580
1903-04	58554	67800(7)	57500	124000(1)	108000(1)	262140	671840	828600	521060	201920
1904-05	58980	54000	54000(7)	50400(2)	56700(2)	101900	176200	229820	247660	78860
1905-06	42980	41010	40410	50810	57240	101100	337920	428100	346980	162900
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	673380	683520	534560	335640
1907-08	57890	55978	63300	67230	63282	141130	382540	370360	324880	198500
1908-09	68440	59280	58000	138160	110680	232840	472120	605240	655220	226800
1909-10	63140	200560	124760	79900	66600	566900	609980	513560	310360	110040
1910-11	63210	73780	76820	63010	76340	159570	323960	549120	740660	233040
1911-12	66570	66700	63520	78420	76120	99580	342620	684180	677560	173980
1912-13	66960	67820	60680	53800	51400	101800	374560	573740	413420	156660
1913-14	63524	80180	61380	71196	74968	216040	469040	553660	307700	241130
1914-15	69680	58368	44800	59580	59726	94762	176564	274130	191900	83978
1915-16	42410	45626	53346	49930	63262	197486	555062	563720	544764	293818
1916-17	59106	54016	53702	47628	47694	61740	267082	654106	643322	260216
1917-18	46004	49506	128592	113818	77754	181542	346040	409954	461268	112120
1918-19	64492	56578	49118	50532	52844	114916	395854	509192	240872	69736
1919-20	47968	56548	52610	66528	66774	89234	189044	449730	333468	117328
1920-21	59966	75678	67106	112422	94098	271472	394484	824032	718728	175390
1921-22	55492	39088	44979	60982	53180	113692	319642	552674	659854	148066
1922-23	52172	48886	52372	62100	50860	92700	273726	454010	376208	192504
1923-24	61592	52930	51286	48954	72446	63550	136450	243200	76792	35296
1924-25	39218	53862	42912	48416	129386	192378	501862	700486	367370	152598
1925-26	56400	51394	63522	48414	64264	140448	232672	247704	105072	41132
1926-27	34882	67640	84790	63200	104630	188084	378928	665294	725032	233700
1927-28	69014	144162	97842	90008	79354	272646	316512	852194	305656	118292
1928-29	49852	50792	46212	45514	49720	101904	179094	359418	285896	96288
1929-30	39356	36848	69543	44774	64368	103616	274178	295246	257382	79234
1930-31	54512	45418	44108	44818	45298	91246	177172	251538	110862	34670
1931-32	31424	31224	36376	38612	36756	135826	336006	564176	458224	154296
1932-33	39142	56478	40596	43926	41136	64474	239342	341610	538198	99610
1933-34	41276	47684	55652	79680	79948	151896	249648	229216	86240	37252
1934-35	37058	49444	51208	52256	54336	83150	299458	428528	363262	97334
1935-36	33616	38248	37352	44612	47356	100060	577594	625906	319284	82558
1936-37	39772	36600	41556	37568	41728	89870	207358	381192	178996	60820
1937-38	36266	49828	115760	67492	71566	191026	505100	711314	558138	201292
1938-39	60626	67394	60980	52236	47170	164294	328918	341836	136300	60358
1939-40	40474	38998	49268	53858	75724	201512	355842	434480	227258	64468

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 ± 1895

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
3140	395220	225700	152380	63620	58000	1,559,520
5040	555380	1464280	325520	81960	57500	3,301,340
6000(5)	508000(6)	415000(5)	143300	67250	62520	2,045,910
1900	320280	299360	116848	45708	39168	1,482,864
5740	606020	731400	356160	109540	68900	2,915,442
0020	510720	300640	84156	53496	51196	2,177,972
5940	626460	287420	116400	52222	49944	1,985,996
1470	353460	287160	106720	49496	40914	1,478,636
8220	520620	601880	147580	53000	46344	2,269,936
11810	826600	521060	201920	71972	43830	3,017,216
76200	225820	247660	75860	39070	34660	1,183,050
37920	428100	346980	62900	52410	41090	1,702,950
73380	683520	534560	335640	101600	62066	3,207,016
82540	370360	324880	158500	64920	55524	1,645,534
72120	605240	655220	226800	63690	57220	2,747,690
09980	513560	310360	110040	55970	56390	2,758,160
23960	549120	740860	233040	74906	59728	2,494,344
42620	684180	677560	173980	83380	66080	2,478,710
74960	573740	413420	156660	82964	54290	2,060,494
469040	553660	307700	241130	58742	52654	2,133,214
176564	274130	191900	83978	40926	39672	1,194,106
555062	563720	544764	393818	80102	53680	2,593,206
267082	654106	643322	260216	85224	43950	2,257,786
346040	409954	461268	112120	56300	49522	2,032,620
395854	509192	240872	69736	36404	34262	1,674,800
189044	449730	333468	117328	40566	39034	1,548,652
394484	824032	718728	175390	63068	48784	2,905,228
319642	552674	659854	148066	65210	47974	2,160,833
273726	454010	376208	132504	67552	42946	1,766,536
136450	243200	76792	35296	24426	25320	892,242
501862	700486	367370	152598	60730	47302	2,336,520
232672	247704	105072	41132	30672	29480	1,113,374
378928	665294	725602	233700	74786	55734	2,677,270
316812	852194	305656	116292	51462	41304	2,438,946
179094	359418	285896	98288	36822	32488	1,336,000
274178	295246	257382	75234	43256	34720	1,342,541
177172	251538	110862	34670	23156	24046	946,841
336006	564176	458224	154298	52212	41746	1,916,880
239342	341610	538198	99610	40282	35556	1,580,350
249648	229216	86240	37252	22622	24966	1,106,080
299458	428528	363262	97334	39022	30052	1,585,108
577594	625906	319284	82558	43272	40936	1,990,794
207358	381192	178996	60820	25996	25958	1,167,414
505100	711314	558138	201292	71190	46910	2,625,882
328918	341836	136300	60358	38454	30436	1,379,002
355842	434480	227258	64468	31480	38966	1,612,348

(1) MEAN OF 4 HIGH YEARS

(2) SUBSTITUTED FROM 1906.

(3) SUBSTITUTED FROM 1900.

(4) MISSING DAYS SUBSTITUTED

(5) MISSING DAYS SUBSTITUTED
YEAR MEAN.(6) MISSING MONTHS SUBSTITUTED
YEAR MEAN.

(7) INTERPOLATED

(8) AVERAGE OF 5 SHORT WATER

IVER - IN ACHE FEET

ING 1894 - 1895

	AUGUST	SEPTEMBER	TOTAL
	63620	58000	1,559,520
	81960	57500	3,301,340
	67250	62520	2,045,910
	45708	39168	1,482,864
	109940	68900	2,915,442
	53496	51196	2,177,972
	52222	49944	1,985,996
	49196	40914	1,478,636
	53000	46344	2,269,936
	71972	43830	3,017,216
	34870	34660	1,183,050
	52410	41090	1,702,950
	101600	62066	3,207,016
	64920	55524	1,645,534
	63690	57220	2,747,690
	55970	56390	2,756,160
	74506	59728	2,494,344
	83380	66080	2,478,710
	82964	54290	2,060,494
	58742	52654	2,133,214
	40926	39672	1,154,106
	80102	53680	2,593,206
	65224	43950	2,257,786
	56300	49922	2,032,820
	36404	34262	1,674,600
	40586	39034	1,548,652
	63068	48784	2,905,228
	65210	47974	2,160,833
	87552	42046	1,766,536
	24426	25320	892,242
	60730	47302	2,336,520
	30872	29480	1,113,374
	74786	55734	2,677,270
	51462	41304	2,438,946
	36622	32488	1,336,000
	43256	34720	1,342,541
	23156	24046	946,841
	52212	41746	1,916,880
	40262	35556	1,580,350
	22622	24966	1,106,080
	39022	30052	1,585,108
	43272	40936	1,990,794
	25996	25958	1,167,414
	71190	46910	2,625,882
	38454	30436	1,379,002
	31480	38966	1,612,348

(1) MEAN OF 4 HIGH YEARS

(2) SUBSTITUTED FROM 1906.

(3) SUBSTITUTED FROM 1900.

(4) MISSING DAYS SUBSTITUTED FROM 1900.

(5) MISSING DAYS SUBSTITUTED FROM 21
YEAR MEAN.(6) MISSING MONTHS SUBSTITUTED FROM 21
YEAR MEAN.

(7) INTERPOLATED

(8) AVERAGE OF 5 SHORT WATER YEARS.

TOTAL MONTHLY FLOW OF BOISE RIVER

FOR IRRIGATION YEARS BEGINNING

YEAR	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY
1940-41	53168	59764	56534	54260	65368	113448	186300	365336	266776	83
1941-42	48552	63200	106838	62182	62162	87804	341662	325676	362374	137
1942-43	42554	64068	81782	153190	116564	235138	1006532	722804	627754	359
1943-44	61802	70704	55768	49412	52610	68094	164000	303208	247726	1063
1944-45	40828	52198	42902	56270	80144	99160	202368	473146	405996	1396
1945-46	45822	53670	74712	79530	65804	218604	639804	651660	378824	1371
1946-47	67394	72214	109392	60362	87278	181276	289398	545764	297238	1140
1947-48	56244	57582	55516	65522	60480	73396	264424	505792	459706	1093
1948-49	44642	53918	51094	49038	45674	146834	416548	566862	301108	918
1949-50	49224	55212	51216	63188	71410	154558	409786	559496	540810	2417
1950-51	67520	84952	86638	70656	126136	128158	553712	669842	439576	19569
1951-52	77272	64294	87604	68400	77508	106282	671898	899574	518900	17246
1952-53	51784	48172	54662	101282	88560	126710	330196	403576	583564	25434
1953-54	49856	59544	57108	61536	93274	149716	382042	596132	343118	17895
1954-55	52732	50470	45120	47482	40446	55692	129822	397270	419160	131936
1955-56	50622	68686	205518	147514	104510	228258	636502	841354	582584	189896
1956-57	66608	62454	69282	52648	92880	194092	361256	753938	518012	148306
1957-58	54112	52148	58128	53682	121836	124694	323768	946374	501566	142466
1958-59	51842	63796	83974	76466	69702	92542	276734	331594	362156	104896
1959-60	86908	60852	48514	51664	64890	172830	358998	374362	333350	81574
1960-61	47044	53842	47966	42454	58830	91230	172064	298818	229386	56820
1961-62	32150	51660	51872	54554	78326	83072	407886	406458	425398	142912

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894-1895

MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
13448	186300	365336	266776	83332	53206	41318	1,400,910
37804	341662	325676	362374	137452	46974	35340	1,680,172
35138	1006532	722804	627754	359598	103756	56098	3,569,848
58094	164000	303208	247726	106382	43684	34768	1,258,158
99160	202368	473146	405996	139808	51316	39146	1,683,282
18604	639804	651660	378824	137194	58374	45934	2,449,932
81276	289398	545764	297238	114094	43050	37208	1,904,668
73396	264424	505792	459706	109872	44612	36580	1,789,226
46834	416548	566862	301108	91898	40464	31126	1,839,206
54558	409786	559496	540810	241712	74502	49264	2,320,378
129158	553712	689642	439576	195690	70696	42380	2,358,126
106282	671898	899574	518800	172464	68736	51108	2,863,930
126710	330196	403576	583564	254344	72894	47628	2,163,372
149716	382042	596132	343118	178956	67416	42364	2,081,062
55692	129822	397270	419160	131938	56542	40794	1,467,468
228258	636502	841354	582584	189896	62416	55084	3,172,944
194092	361256	753938	518012	148306	51944	53370	2,424,790
124694	323768	946374	501566	142466	61766	54424	2,494,964
92542	276734	331594	362156	104896	48432	67634	1,629,768
172830	358968	374362	333350	81574	45758	46244	1,725,934
91230	172064	298818	229386	56820	40060	38212	1,176,726
83072	407856	406458	425398	142912	57432	49586	1,861,296

DISCHARGE IN SECOND FEET D
BY DAYS DURING THE IRRIGATION SEASON

NAME OF CANAL	APRIL														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
NEW YORK CANAL										98	588	690	988	1213	1277
PENITENTIARY															
BUGG (SOUTH BOISE)															
RIDENBAUGH															
SETTLERS														76	96
THURMAN MILL															
GRUEN (CONSUMERS)	15	15	15	15	15	15	15	15	15	15	16	16	16	16	16
BOISE CITY															
FARMERS UNION & B.V.															
NEW UNION														50	50
NEW DRY CREEK															
BALLANTINE															
WIDDETON CANALS															
LITTLE PIONEER															
CANYON COUNTY															
EAGLE ISLAND CANALS															
PHYLLIS															
EUREKA #1														87	89
CALDWELL HIGH LINE															
SEREE (FARMERS CO-OP)													111	109	98
CAMPBELL															
STEINBERG														19	19
RIVERSIDE #2															
PIONEER DIXIE										103	113	123	145	159	156
EUREKA #2										42	48	54	66	76	76
UPPER CENTER POINT										12	14	18	18	18	23
LOWER CENTER POINT													12	18	22
MISCELLANEOUS															18
TOTAL CANAL DIVERSIONS	15	15	15	15	15	15	15	15	15	113	761	881	1310	1811	1946
RIVER AT NOTUS	446	446	439	434	417	406	384	380	294	208	127	140	86	71	178
TOTALS	461	461	454	449	432	421	399	395	309	321	888	1021	1396	1882	2124

BY DAYS DURING THE IRRIGATION SEASON OF 1962, INCLUDING STORAGE

[illegible]

VALLEY CANALS

INCLUDING STORAGE

CHART NO. 5

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
68	1756	2072	2180	2257	2443	2562	2680	2792	2798	2805	2814	2819	2819		40436
9	9	9	9	9	9	11	11	11	6	10	10	11	12		65
34	202	264	323	389	446	446	509	539	11	11	11	11	11		151
22	39	70	93	116	129	142	155	161	546	563	546	555	562		6302
									168	175	175	182	182		1831
15	18	21	24	27	30	33	36	38	38	38	38	38	38		444
16	16	16	16	17	17	17	17	17	17	17	17	17	18		481
9	9	9	11	11	11	17	17	19	22	24	24	24	24		231
122	140	149	175	175	175	199	215	226	246	246	246	246	246		3028
8	8	8	8	12	12	12	12	14	14	14	14	15	16		168
38	52	59	59	59	59	52	59	59	66	71	69	71	71		870
				12	12	14	14	16	16	18	18	20	20		160
96	115	128	141	141	141	153	153	153	153	166	166	166	166		2088
			17	17	17	24	24	24	31	31	31	31	31		278
84	85	86	87	88	89	90	91	90	89	89	88	87	86		1312
33	38	38	44	54	54	54	54	54	55	55	55	55	55		731
200	240	270	296	344	344	346	351	393	394	396	423	423	423		5109
15	15	18	31	30	30	29	28	28	27	27	27	27	27		359
63	51	71	69	67	65	63	61	97	125	126	126	106	106		1259
132	176	241	250	248	245	255	265	291	279	303	303	303	305		4010
19	25	25	27	29	31	31	31	31	34	34	39	39	39		491
10	10	12	12	12	12	12	17	17	17	15	15	11	11		191
158	158	159	150	155	155	153	167	157	157	171	175	178	178		3100
38	44	52	61	72	72	74	76	76	76	76	76	76	76		979
76	54	54	54	66	82	93	93	93	93	93	93	93	93		1492
23	12	12	15	17	21	21	21	21	21	23	23	23	23		379
22	22	24	24	24	24	26	26	26	26	26	24	24	24		394
18	18	18	22	22	22	22	22	29	29	29	29	29	29		356
2823	3312	3885	4198	4470	4747	4952	5212	5490	5564	5652	5675	5681	5691		76695
22	16	19	32	102	64	61	41	32	38	56	212	283	299		5822
2850	3323	3904	4230	4572	4811	5013	5253	5522	5602	5708	5887	5964	5990		82517

DISCHARGE IN SECOND FEET OF
BY DAYS DURING THE IRRIGATION SEASON

	MAY															
NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL	2819	2822	2827	2831	2830	2827	2825	2825	2827	2797	2797	2794	2797	2800	2802	2806
PONTIACARY	12	12	12	11	11	12	12	12	11	12	12	11	12	12	11	12
WHR (SOUTH DITCH)	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12
WHEATBAUGH	561	568	564	579	193	570	574	581	582	578	575	575	568	576	585	581
WITLERS	182	183	183	184	185	185	186	186	186	189	189	189	188	188	188	188
WORMAN MILL	30	30	30	37	37	37	37	36	36	36	36	35	35	35	35	34
WYZZA (CONSUMERS)	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
WYSE CITY	26	27	27	26	26	26	27	32	32	32	33	33	34	34	32	37
WYNDERS UNION & B. V.	237	238	238	247	247	251	258	258	255	254	254	253	253	252	251	250
WYNDERS UNION	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15
NEW DRY CREEK	71	70	68	62	60	58	58	58	58	61	60	57	59	59	63	67
WYZZA	20	20	20	21	21	21	22	22	22	23	23	23	23	23	23	23
WYZZA CANALS	166	165	164	163	162	162	161	161	160	160	160	160	160	160	160	160
LITTLE PIONEER	31	33	37	41	48	52	52	52	52	52	52	52	52	52	52	52
CANYON COUNTY	85	84	83	82	81	80	79	78	78	78	78	78	78	78	78	78
DALE ISLAND CANALS	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
PHYLIS	423	423	426	426	426	443	443	443	443	445	445	443	443	443	443	441
EUREKA #1	27	27	26	26	26	25	25	25	25	25	25	25	25	21	21	21
CALDWELL HIGH LINE	94	94	96	73	74	74	75	75	78	79	67	71	74	70	69	69
DEBBIE (FARMERS GO-OP)	305	297	297	307	309	309	309	311	309	309	307	307	284	284	281	281
CAMPBELL	37	37	37	37	36	36	33	30	30	30	30	27	27	27	27	27
STEBENBERG	12	12	12	12	12	12	12	10	10	10	10	10	14	14	14	15
RIVERSIDE #2	184	184	184	184	184	184	184	190	190	190	192	194	196	198	190	190
PIONEER DITCH	76	76	76	76	76	76	76	70	70	70	70	70	70	70	70	70
EUREKA #2	94	94	94	94	96	96	96	96	96	94	94	94	94	94	92	92
UPPER CENTER POINT	24	24	24	24	24	24	24	24	24	24	24	24	18	18	18	18
LOWER CENTER POINT	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
MISCELLANEOUS	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
TOTAL CANAL DIVERSIONS	5677	5681	5686	5696	5316	5713	5721	5728	5726	5702	5687	5679	5658	5662	5658	5668
RIVER AT NOTUS	208	314	364	309	268	212	199	133	92	89	105	212	278	336	254	217
TOTALS	5885	5995	6050	6005	5584	5925	5920	5861	5820	5791	5792	5891	5936	5998	5912	5885

DISCHARGE IN SECOND FEET OF
BY DAYS DURING THE IRRIGATION SEASON C

	MAY															
NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL	2819	2822	2827	2831	2830	2827	2825	2825	2827	2797	2797	2794	2797	2800	2802	2806
POTENTIARY	12	12	12	11	11	12	12	12	11	12	12	11	12	12	11	12
BUBB (SOUTH BOISE)	11	11	11	11	11	11	11	11	12	12	12	12	12	12	12	12
KIDENBAUGH	561	568	564	579	193	570	574	581	582	578	575	575	580	576	585	581
SETTLERS	182	183	183	184	185	185	186	186	186	189	189	189	188	188	188	188
THORMAN MILL	38	38	38	37	37	37	37	36	36	36	36	35	35	35	35	34
GRIVEN (CONSUMERS)	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
BOISE CITY	26	27	27	26	26	26	27	32	32	32	33	33	34	34	32	37
FARMERS UNION & B. V.	237	238	238	247	247	251	258	258	255	254	254	253	253	252	251	250
NEW UNION	16	16	16	16	16	16	16	16	16	16	16	16	16	16	15	15
NEW DRY CREEK	71	70	68	62	60	58	58	58	58	61	60	57	59	59	63	67
BALANTINE	20	20	20	21	21	21	22	22	22	23	23	23	23	23	23	23
WIOLETON CANALS	166	165	164	163	162	162	161	161	160	160	160	160	160	160	160	160
LITTLE PIONEER	31	33	37	41	48	52	52	52	52	52	52	52	52	52	52	52
CANYON COUNTY	85	84	83	82	81	80	79	78	78	78	78	78	78	78	78	78
EAGLE ISLAND CANALS	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
PHYLIS	423	423	426	426	426	443	443	443	443	445	445	443	443	443	443	441
ELREKA #1	27	27	26	26	26	25	25	25	25	25	25	25	25	21	21	21
CALDWELL HIGH LINE	94	94	96	73	74	74	75	75	78	79	67	71	74	70	69	69
SEBREE (FARMERS CO-OP)	305	297	297	307	309	309	309	311	309	309	307	307	284	284	281	281
CAMPBELL	37	37	37	37	35	36	33	30	30	30	30	27	27	27	27	27
STERNBERG	12	12	12	12	12	12	12	10	10	10	10	10	14	14	14	16
RIVERSIDE #2	184	184	184	184	184	184	184	190	190	190	192	194	196	198	190	190
PIONEER DIXIE	76	76	76	76	76	76	76	70	70	70	70	70	70	70	70	70
ELREKA #2	94	94	94	94	96	96	96	96	96	94	94	94	94	94	92	92
UPPER CENTER POINT	24	24	24	24	24	24	24	24	24	24	24	24	18	18	18	18
LOWER CENTER POINT	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
MISCELLANEOUS	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
TOTAL CANAL DIVERSIONS	5677	5681	5686	5696	5316	5713	5721	5728	5728	5702	5687	5679	5658	5662	5658	5668
RIVER AT NOTUS	288	314	364	309	268	212	199	133	92	89	105	212	278	336	254	217
TOTALS	5965	5995	6070	6005	5584	5925	5920	5861	5820	5791	5792	5891	5936	5998	5912	5885

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1962, INCLUDING STORAGE

MAY

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
827	2797	2797	2794	2797	2800	2802	2808	2797	2797	2797	2797	2616	2391	2344	2188	1943	1690	1397
11	12	12	11	12	12	11	12	12	11	2	2	4	2	2	0	2	2	2
12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12
582	578	575	575	566	576	585	581	576	595	556	519	605	495	505	484	54	49	42
186	189	189	189	188	188	188	188	188	188	188	144	118	118	125	56	55	55	55
36	36	36	35	35	35	35	34	34	34	34	34	33	33	33	33	33	32	32
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
32	32	33	33	34	34	32	37	37	37	38	25	20	18	18	16	21	16	0
255	254	254	253	253	252	251	250	250	205	204	203	191	190	190	158	64	64	65
16	16	16	16	16	16	15	15	15	15	15	15	14	14	14	14	14	14	14
58	61	60	57	59	59	63	67	71	64	64	52	52	48	48	52	50	50	45
22	23	23	23	23	23	23	23	22	22	22	22	15	11	11	11	11	11	11
160	160	160	160	160	160	160	160	150	140	130	120	110	98	88	76	65	65	65
52	52	52	52	52	52	52	52	52	52	44	31	16	16	16	16	16	16	16
78	78	78	78	78	78	78	78	78	78	78	78	79	77	75	73	71	69	67
55	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54	54	54
443	445	445	443	443	443	443	441	441	442	400	321	244	172	96	0	0	0	0
25	25	25	25	25	21	21	21	21	18	18	18	18	12	0	0	0	0	0
78	79	67	71	74	70	69	69	68	68	67	31	29	32	34	36	29	29	18
309	309	307	307	284	284	281	281	279	277	250	236	222	232	209	102	50	50	50
30	30	30	27	27	27	27	27	27	21	19	15	14	10	10	10	10	10	10
10	10	10	10	14	14	14	16	16	16	12	12	12	10	10	10	8	8	8
190	190	192	194	196	198	190	190	190	174	154	160	156	162	151	137	124	112	99
70	70	70	70	70	70	70	70	70	70	70	64	55	45	45	45	45	45	45
96	94	94	94	94	94	92	92	90	90	84	78	75	72	72	64	64	58	58
24	24	24	24	18	18	18	18	16	16	16	11	11	11	11	11	7	7	7
24	24	24	24	24	24	24	24	24	24	24	22	22	22	22	22	22	19	19
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30
5728	5732	5687	5679	5658	5662	5658	5668	5638	5568	5400	5124	4846	4405	4242	3727	2872	2585	2239
92	89	105	212	278	336	254	217	178	182	808	1430	1180	908	810	1280	1710	1280	1040
5820	5791	5792	5891	5936	5998	5912	5885	5816	5750	6208	6554	6026	5313	5052	5007	4582	3865	3279

USE VALLEY CANALS

CHART NO. 5

F 1962, INCLUDING STORAGE

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
	2797	2797	2797	2797	2616	2391	2344	2188	1943	1690	1397	1387	990	880	876	74918
	12	11	2	2	4	2	2	0	2	2	2	2	2	0	0	232
	12	12	12	12	12	12	12	12	12	12	12	12	12	12	12	364
	576	595	556	519	605	495	505	484	54	49	42	42	33	189	180	13739
	188	188	188	144	118	118	125	56	55	55	55	55	76	76	76	4552
	34	34	34	34	33	33	33	33	33	32	32	32	32	32	31	1072
	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	558
	37	37	38	25	20	18	18	16	21	16	0	0	0	0	0	730
	250	205	204	203	191	190	190	158	64	64	65	65	65	65	102	6077
	15	15	15	15	14	14	14	14	14	14	14	14	14	14	14	468
7	71	64	64	52	52	48	48	52	50	50	45	45	45	42	37	1754
3	22	22	22	22	15	11	11	11	11	11	11	11	11	11	11	563
0	150	140	130	120	110	98	88	76	65	65	65	65	65	65	65	3951
2	52	52	44	31	16	16	16	16	16	16	16	16	16	16	16	1117
8	78	78	78	78	79	77	75	73	71	69	67	65	63	61	59	2347
55	55	55	55	55	55	55	54	54	54	54	54	54	54	54	54	1696
11	441	442	400	321	244	172	96	0	0	0	0	0	0	0	106	9221
21	21	18	18	18	18	12	0	0	0	0	0	0	0	0	12	512
69	68	68	67	31	29	32	34	35	29	29	18	18	18	18	18	1745
81	279	277	250	236	222	232	209	102	50	50	50	50	50	102	121	7086
27	27	21	19	15	14	10	10	10	10	10	10	12	15	19	21	730
15	15	16	12	12	12	10	10	10	8	8	8	8	6	6	6	340
90	190	174	154	160	156	162	151	137	124	112	99	99	99	99	99	5033
70	70	70	70	64	55	45	45	45	45	45	45	45	45	45	45	1941
92	90	90	84	78	75	72	72	64	64	58	58	58	58	58	58	2518
13	16	16	16	11	11	11	11	11	7	7	7	7	7	7	7	512
24	24	24	24	22	22	22	22	22	22	19	19	19	19	19	19	702
29	29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	906
668	5638	5568	5400	5124	4846	4405	4242	3727	2872	2565	2239	2229	1848	1938	2093	145414
217	178	182	808	1430	1180	908	810	1280	1710	1280	1040	880	880	690	550	17496
885	5816	5750	6208	6554	6026	5313	5052	5007	4582	3865	3272	3109	2728	2628	2643	162910

DISCHARGE IN SECOND FEET OF
BY DAYS DURING THE IRRIGATION SEASON

	JUNE															
NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL	1161	1365	1482	1457	1712	2099	2298	2495	2731	2745	2746	2746	2746	2749	2719	2719
PENITENTIARY	0	0	0	0	1	1	6	7	8	8	8	10	12	12	12	11
BUBB (SOUTH BOISE)	12	12	12	12	12	12	11	11	11	11	11	11	11	12	12	12
RIDENBAUGH	336	432	468	496	525	553	531	540	522	540	519	535	531	517	513	532
SETTLERS	88	98	103	122	134	146	162	162	170	181	186	186	188	186	185	184
THURMAN MILL	31	31	31	31	31	31	32	33	34	35	36	37	39	38	38	38
CRUZEN (CONSUMERS)	17	17	17	17	17	17	18	18	18	19	19	19	20	20	20	20
BOISE CITY	0	0	0	17	32	32	32	32	32	33	33	33	34	34	34	34
FARMERS UNION & B. V.	122	143	152	170	216	230	240	243	244	245	247	249	251	251	251	251
NEW UNION	14	14	14	14	14	14	14	15	15	15	16	16	16	16	16	16
NEW DRY CREEK	29	29	29	34	41	46	55	53	55	55	55	52	55	50	50	52
BALLANTINE	11	11	11	13	13	14	15	16	18	18	20	20	20	20	20	20
MIDDLETON CANALS	69	69	69	69	88	109	139	139	139	139	139	139	138	138	138	137
LITTLE PIONEER	20	20	20	20	20	25	31	57	57	57	57	57	57	57	57	44
CANYON COUNTY	57	55	53	51	56	61	66	70	74	78	82	87	85	83	81	79
EAGLE ISLAND CANALS	54	54	54	54	54	54	54	54	54	55	55	55	55	55	55	55
PHYLLIS	105	105	105	103	149	187	216	298	320	363	369	397	416	419	420	421
EUREKA #1	13	13	13	13	13	16	24	22	20	37	33	29	28	27	26	25
CALDWELL HIGH LINE	20	26	23	19	72	65	64	61	55	57	57	48	43	41	39	36
SEBREE (FARMERS CO-OP)	198	198	220	243	245	277	305	327	321	327	346	347	361	350	364	365
CAMPBELL	21	21	25	29	31	31	31	31	34	34	34	34	34	34	31	29
SIEBENBERG	6	6	6	6	6	10	12	14	14	14	16	16	14	14	12	12
RIVERSIDE #2	95	95	108	120	164	159	159	167	176	185	193	193	193	193	191	185
PIONEER DIXIE	49	49	49	49	49	62	70	70	70	70	70	70	70	70	70	70
EUREKA #2	58	58	58	74	90	90	95	95	105	105	109	109	105	101	96	96
UPPER CENTER POINT	7	7	7	12	21	21	21	31	31	33	33	31	31	31	19	19
LOWER CENTER POINT	19	19	19	19	19	19	19	19	19	19	19	19	20	20	20	24
MISCELLANEOUS	30	30	30	30	30	30	30	29	29	29	29	29	29	29	29	29
TOTAL CANAL DIVERSIONS	2642	2977	3178	3324	3855	4411	4750	5109	5376	5507	5537	5574	5602	5567	5618	5535
RIVER AT NOTUS	320	182	140	130	100	92	78	60	55	58	90	110	120	170	170	120
TOTALS	2962	3159	3318	3454	3955	4503	4828	5169	5431	5565	5627	5684	5722	5737	5688	5655

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1962, INCLUDING STORAGE

JUNE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
2745	2746	2746	2746	2749	2719	2719	2724	2718	2721	2724	2778	2690	2682	2693	2702	2705	2702	2699
8	8	10	12	12	12	11	11	11	11	10	10	9	10	5	0	8	9	9
11	11	11	11	12	12	12	12	12	13	13	13	13	13	13	13	14	14	15
540	519	535	531	517	513	532	548	576	570	580	581	590	599	596	600	602	597	597
181	186	186	188	186	185	184	183	183	181	181	185	184	185	195	188	188	198	198
35	36	37	39	38	38	38	37	37	36	37	38	39	40	41	42	43	43	4
19	19	19	20	20	20	20	20	20	20	19	19	19	19	19	19	19	20	2
33	33	33	34	34	34	34	33	33	30	32	32	32	33	33	33	34	34	3
245	247	249	251	251	251	251	251	261	261	263	264	265	266	267	272	273	273	27
15	16	16	16	16	16	16	16	16	18	18	18	18	18	18	20	20	20	2
55	55	52	55	50	50	52	53	54	55	56	54	60	61	57	53	56	64	61
18	20	20	20	20	20	20	18	18	18	18	18	18	18	18	17	17	17	17
139	139	139	138	138	138	137	137	136	137	138	139	140	141	143	145	149	153	157
57	57	57	57	57	57	44	36	29	36	39	44	47	47	47	47	47	47	47
78	82	87	85	83	81	79	77	75	78	80	82	84	86	88	90	90	90	90
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
363	369	377	416	419	420	421	421	419	448	451	459	456	455	453	453	447	444	462
37	33	29	28	27	26	25	25	25	22	27	29	30	31	31	29	33	34	34
57	57	48	43	41	39	36	30	39	43	40	40	42	42	44	44	53	56	56
327	346	347	361	350	364	365	366	373	374	378	372	360	360	376	376	376	381	386
34	34	34	34	34	31	29	29	27	27	25	25	25	25	25	22	22	22	22
14	16	16	14	14	12	12	10	10	8	8	8	8	8	12	12	12	16	16
185	193	193	193	193	191	185	185	185	185	184	184	184	184	184	184	184	180	176
70	70	70	70	70	70	70	70	70	70	68	68	68	68	68	68	68	62	66
105	109	109	105	101	96	96	84	72	63	63	63	63	63	63	63	63	62	62
33	33	31	31	31	19	19	19	19	16	16	9	9	9	9	9	19	19	19
19	19	19	20	20	20	24	24	24	24	24	24	26	26	26	26	26	26	28
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
5507	5507	5574	5602	5567	5518	5535	5503	5526	5547	5576	5640	5563	5573	5599	5611	5652	5657	5603
58	90	110	120	170	170	120	90	70	60	55	65	72	62	115	140	90	70	95
5565	5627	5684	5722	5737	5688	5655	5593	5596	5607	5631	5705	5635	5635	5714	5751	5742	5727	5778

BOISE VALLEY CANALS

OF 1962, INCLUDING STORAGE

CHART NO. 5

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
19	2724	2718	2721	2724	2778	2690	2682	2693	2702	2705	2702	2699	2780	2774		74092
11	11	11	11	10	10	9	10	5	0	8	9	9	9	10		218
12	12	12	13	13	13	13	13	13	13	14	14	15	15	16		374
32	548	576	570	580	581	590	599	596	600	602	597	597	600	603		16349
84	183	183	181	181	185	184	185	195	188	188	188	188	189	189		5079
38	37	37	36	37	38	39	40	41	42	43	43	43	43	43		1108
20	20	20	20	19	19	19	19	19	19	19	20	20	20	20		566
34	33	33	30	32	32	32	33	33	33	34	34	34	36	35		876
251	251	261	261	263	264	265	266	267	272	273	273	273	272	272		7238
16	16	16	18	18	18	18	18	18	20	20	20	20	20	20		499
52	53	54	55	56	54	60	61	57	53	56	64	63	63	63		1552
20	18	18	18	18	18	18	18	18	17	17	17	17	19	19		510
137	137	136	137	138	139	140	141	143	145	149	153	157	161	165		3899
44	36	29	36	39	44	47	47	47	47	47	47	47	47	47		1263
70	77	75	78	80	82	84	86	88	90	90	90	90	91	91		2310
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55		1641
421	421	419	446	451	459	456	455	453	453	447	444	462	462	460		10681
25	25	25	22	27	29	30	31	31	29	33	34	34	34	34		770
36	30	39	43	40	40	42	42	44	44	53	56	56	44	39		1398
365	366	373	374	378	372	360	360	376	376	376	381	386	392	391		10055
29	29	27	27	25	25	25	25	25	22	22	22	22	22	22		824
12	10	10	8	8	8	8	8	12	12	12	16	16	16	16		338
185	185	185	185	184	184	184	184	184	184	184	180	176	172	168		5115
70	70	70	70	68	68	68	68	68	68	66	62	66	70	74		1965
96	84	72	63	63	63	63	63	63	63	63	62	62	62	62		2352
19	19	19	16	16	9	9	9	9	9	19	19	19	19	19		565
24	24	24	24	24	24	26	26	26	26	26	26	28	30	32		678
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29		877
5535	5503	5526	5547	5576	5640	5663	5673	5699	5611	5652	5657	5663	5772	5768		153132
120	90	70	60	55	65	72	62	115	140	90	70	95	145	185		3309
5655	5593	5596	5607	5631	5705	5635	5635	5714	5751	5742	5727	5778	5917	5953		156441

DISCHARGE IN SECOND FEET OF BO
BY DAYS DURING THE IRRIGATION SEASON OF

JULY

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL	2769	2763	2802	2808	2819	2836	2814	2805	2802	2805	2802	2800	2794	2786	2786	2788
PENITENTIARY	10	11	11	11	11	11	11	9	8	9	10	10	11	11	11	11
BOISE (SOUTH BOISE)	16	17	17	17	15	15	14	13	12	12	13	13	14	14	15	15
HEDDAUGH	596	598	588	585	595	597	603	594	595	602	601	601	600	598	599	600
BUTLERS	190	190	189	191	192	191	192	193	193	41	185	185	186	188	190	191
TURNAN MILL	43	43	44	44	44	44	44	44	43	43	42	42	41	41	40	40
CHZEN (CONSUMERS)	20	20	21	21	21	21	21	21	21	21	20	20	20	20	20	20
BOISE CITY	37	37	38	37	37	35	35	35	35	34	34	34	34	34	34	34
FARMERS UNION & B.V.	266	266	265	264	263	262	261	259	257	255	255	255	255	255	255	255
NEW UNION	20	20	20	20	20	20	20	20	20	20	20	20	20	19	19	19
NEW DRY CREEK	54	61	62	61	59	66	66	65	58	62	65	70	73	74	78	79
BALLANTINE	21	22	22	22	22	22	22	22	21	21	21	21	21	21	21	22
WIDELTON CANALS	169	172	171	170	169	168	166	164	162	160	158	156	154	153	152	151
LITTLE PIONEER	45	45	45	45	45	43	43	43	41	41	41	41	41	41	35	35
CANYON COUNTY	91	92	91	89	87	85	83	81	79	78	77	76	75	73	71	69
EAGLE ISLAND CANALS	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
PHYLIS	462	456	452	450	446	440	438	434	430	432	454	458	459	429	429	427
DIKKA #1	32	32	32	28	28	28	28	28	28	38	40	40	41	39	39	39
CALDWELL HIGH LINE	33	41	39	41	42	42	50	51	52	53	47	46	44	44	44	44
SEETREE (FARMERS CO-OP)	375	365	359	354	356	356	356	350	350	363	364	366	363	353	341	337
CAMPBELL	21	21	21	21	21	21	21	22	22	22	22	22	22	22	25	25
STEINBERG	12	14	14	14	18	18	18	18	19	19	18	19	18	14	14	14
RIVERSIDE #2	186	186	186	186	186	186	177	177	177	177	177	177	177	177	177	186
PIONEER DIXIE	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78	78
DIKKA #2	94	109	112	112	112	112	109	109	109	103	103	103	103	105	105	105
UPPER CENTER POINT	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21
LOWER CENTER POINT	36	36	36	36	36	36	36	31	31	31	31	31	31	31	29	29
MISCELLANEOUS	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
TOTAL CANAL DIVERSIONS	5782	5801	5821	5811	5829	5839	5812	5772	5748	5625	5783	5788	5780	5725	5712	5718
RIVER AT NOTUS	220	310	300	230	210	155	110	130	180	115	95	110	110	115	190	240
TOTALS	6002	6111	6121	6041	6039	5994	5922	5902	5928	5740	5878	5898	5890	5840	5902	5958

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS

BY DAYS DURING THE IRRIGATION SEASON OF 1962, INCLUDING STORAGE

JULY

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
2805	2802	2800	2794	2786	2786	2788	2791	2789	2786	2878	2875	2872	2875	2875	2867	2867	2903	2903
9	10	10	11	11	11	11	12	11	11	12	12	12	11	6	6	6	6	6
12	13	13	14	14	15	15	16	16	16	16	16	16	16	16	16	16	16	16
602	601	601	600	598	599	600	603	599	578	522	575	570	573	572	578	574	575	578
41	185	185	186	188	190	191	193	193	193	193	192	192	192	191	190	190	187	187
43	42	42	41	41	40	40	39	39	38	38	37	37	36	35	35	34	34	33
21	20	20	20	20	20	20	20	21	21	22	22	23	23	24	24	23	23	22
34	34	34	34	34	34	34	34	34	34	34	34	34	34	35	35	34	34	34
255	255	255	255	255	255	255	256	254	253	251	249	247	235	234	233	234	234	235
20	20	20	20	19	19	19	19	19	19	18	18	18	16	16	16	16	16	16
62	65	70	73	74	78	79	75	73	71	65	70	65	69	63	65	66	66	64
21	21	21	21	21	21	22	22	18	18	18	18	16	16	16	16	14	14	13
160	158	156	154	153	152	151	149	147	145	143	141	140	139	138	137	136	135	133
41	41	41	41	41	35	35	35	35	35	35	35	35	35	35	35	35	35	29
78	77	76	75	73	71	69	71	73	75	77	78	79	80	79	78	77	76	74
55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54	54	54	54
432	454	458	459	429	429	427	427	421	419	416	410	400	400	396	393	412	412	414
38	40	40	41	39	39	39	33	33	33	34	34	35	33	32	32	32	32	30
53	47	46	44	44	44	44	44	44	42	42	39	39	53	49	49	44	50	50
363	364	366	363	353	341	337	332	329	325	324	322	313	311	299	307	317	319	321
22	22	22	22	22	25	25	29	29	29	29	29	29	29	29	28	28	28	28
18	18	18	18	14	14	14	14	14	12	12	12	12	12	12	12	12	12	12
177	177	177	177	177	177	186	186	183	183	177	177	171	171	171	187	178	178	180
78	78	78	78	78	78	78	78	81	81	81	81	81	81	81	76	76	76	76
103	103	103	103	105	105	105	107	107	107	107	107	107	105	105	105	105	105	105
22	21	21	21	21	21	21	21	22	22	22	22	26	26	30	30	30	28	21
31	31	31	31	31	29	29	29	29	29	29	29	29	29	29	29	29	29	29
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	30	30	30	30
5625	5783	5788	5780	5725	5712	5718	5719	5697	5659	5679	5718	5682	5683	5651	5663	5669	5707	5693
115	95	110	110	115	190	240	215	215	215	230	205	180	250	225	210	190	220	210
5740	5878	5898	5890	5840	5902	5958	5934	5912	5874	5909	5923	5862	5933	5876	5873	5859	5927	5908

E VALLEY CANALS

662, INCLUDING STORAGE

CHART NO. 5

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
281	2789	2786	2878	2875	2872	2875	2875	2967	2867	2903	2903	2903	2903	2900	87766
12	11	11	12	12	12	11	6	6	6	6	6	3	2	2	284
16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	473
503	599	578	522	575	570	573	572	578	574	575	578	581	579	585	18194
193	193	193	193	192	192	192	191	190	190	187	187	187	186	186	5739
39	39	38	38	37	37	36	35	35	34	34	33	32	31	30	1210
20	21	21	22	22	23	23	24	24	23	23	22	22	21	21	660
34	34	34	34	34	34	34	35	35	34	34	34	34	33	33	1074
256	254	253	251	249	247	235	234	233	231	234	235	241	235	234	7773
19	19	19	18	18	18	16	16	16	16	16	16	17	17	17	575
75	73	71	65	70	65	69	63	65	66	66	64	62	60	62	2049
22	18	18	18	18	16	16	16	16	14	14	13	13	13	13	582
149	147	145	143	141	140	139	138	137	136	135	133	131	129	128	4666
35	35	35	35	35	35	35	35	35	35	35	29	25	23	23	1155
71	73	75	77	78	79	80	79	78	77	76	74	72	70	69	2425
55	55	55	55	55	55	54	54	54	54	54	54	54	54	54	1696
427	421	419	416	410	400	400	396	393	412	412	414	415	414	405	13250
33	33	33	34	34	35	33	32	32	32	32	30	29	30	30	1022
44	44	42	42	39	39	53	49	49	44	50	50	44	46	46	1394
332	329	325	324	322	313	311	299	307	317	319	321	322	325	329	10503
29	29	29	29	29	29	29	29	28	28	28	28	25	25	25	770
14	14	12	12	12	12	12	12	12	12	12	12	12	12	12	442
186	183	183	177	177	171	171	171	187	178	178	180	180	182	182	5581
78	81	81	81	81	81	81	81	76	76	76	76	76	76	76	2425
107	107	107	107	107	107	105	105	105	105	105	105	105	105	105	3292
21	22	22	22	22	26	26	30	30	30	28	21	21	21	8	696
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	962
29	29	29	29	29	29	29	29	30	30	30	30	30	30	30	906
5719	5697	5659	5679	5718	5682	5683	5651	5663	5669	5707	5693	5681	5667	5650	177564
215	215	215	230	205	180	250	225	210	190	220	210	205	220	225	6035
5934	5912	5874	5909	5923	5862	5933	5876	5873	5859	5927	5908	5886	5887	5875	183599

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	AUGUST
NEW YORK CANAL	2900	2908	2908	2881	2881	2881	2881	2876	2876	2845	2842	2845	2847	2853	2850	285
PENITENTIARY	4	5	5	5	9	13	12	12	12	12	13	10	11	12	11	1
BUB (SOUTH BOISE)	15	15	15	14	14	14	13	13	13	13	13	13	13	12	12	1
RIDENBAUGH	582	586	577	579	579	578	572	573	582	577	571	572	565	567	568	56
SETTLERS	183	181	181	180	178	176	174	179	179	177	178	176	176	174	177	18
THURMAN MILL	30	29	28	27	26	25	24	24	25	25	26	26	27	28	28	25
CRUZEN (CONSUMERS)	21	21	20	20	20	20	19	19	19	19	19	19	19	18	18	18
BOISE CITY	33	33	33	34	34	34	31	34	34	33	33	32	32	32	32	32
FARMERS UNION & B. V.	232	234	234	236	239	242	67	225	232	233	233	234	234	239	236	238
NEW UNION	16	16	16	14	14	14	14	14	14	14	14	14	14	13	13	13
NEW DRY CREEK	65	64	63	66	63	62	62	65	64	66	64	58	54	60	60	61
BALLANTINE	16	16	18	18	20	20	20	20	20	20	20	20	20	20	20	20
MIDDLETON CANALS	126	124	122	120	118	116	115	114	113	112	111	110	109	113	117	121
LITTLE PIONEER	25	31	31	35	35	35	35	35	35	35	35	35	36	36	36	36
CANYON COUNTY	68	67	66	65	63	61	64	67	70	73	77	80	82	82	82	82
EAGLE ISLAND CANALS	54	54	54	54	54	54	54	54	54	55	55	55	55	55	55	55
PHYLLIS	404	380	379	355	353	355	349	342	367	361	357	355	350	364	391	413
EUREKA #1	29	30	30	29	31	31	30	30	31	30	29	28	27	27	28	29
CALDWELL HIGH LINE	43	30	29	31	35	35	35	34	20	38	38	38	35	21	30	18
SEBREE (FARMERS CO-OP)	307	325	325	327	311	313	314	316	335	338	341	344	307	343	359	358
CAMPBELL	22	22	23	25	25	27	27	27	27	27	29	29	29	29	32	32
SIEBENBERG	12	12	10	10	10	10	10	10	10	10	10	10	10	10	11	11
RIVERSIDE #2	186	180	182	182	182	189	189	166	179	167	167	167	167	167	167	164
PIONEER DIXIE	74	74	74	74	74	74	74	77	77	77	77	77	77	77	78	78
EUREKA #2	97	97	0	97	97	97	89	89	89	89	89	89	89	76	76	76
UPPER CENTER POINT	8	0	21	21	21	21	21	21	21	21	21	21	21	21	21	21
LOWER CENTER POINT	28	28	28	28	28	28	28	32	32	32	18	18	18	18	18	25
MISCELLANEOUS	30	30	30	30	30	30	30	29	29	29	29	29	29	29	29	29
TOTAL CANAL DIVERSIONS	5610	5587	5497	5557	5544	5535	5333	5497	5559	5528	5509	5504	5453	5406	5557	5582
RIVER AT NOTUS	210	190	135	120	195	320	240	170	155	151	163	170	155	116	92	92
TOTALS	5820	5777	5632	5677	5739	5855	5573	5667	5714	5679	5672	5674	5608	5612	5649	5674

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1952, INCLUDING STORAGE

AUGUST

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
2645	2642	2645	2647	2653	2650	2650	2653	2670	2670	2670	2670	2670	2670	2442	2563	2665	2685
12	13	10	11	12	11	13	13	11	11	12	13	12	11	11	11	9	0
13	13	13	13	12	12	12	12	12	12	12	11	11	11	11	11	11	11
577	571	572	565	567	568	567	562	557	564	564	563	568	565	568	567	557	563
177	178	176	176	174	177	180	183	169	174	178	181	183	183	185	186	188	189
25	26	26	27	28	28	29	30	31	32	33	34	34	34	35	35	35	36
19	19	19	19	18	18	18	18	18	18	18	19	19	19	19	19	19	19
33	33	32	32	32	32	32	32	32	32	32	31	31	31	31	31	31	31
233	233	234	234	239	238	238	237	237	236	236	235	236	236	237	237	238	239
14	14	14	14	13	13	13	13	13	13	13	13	13	13	13	13	13	13
66	64	58	54	60	60	61	66	62	61	58	62	62	62	62	60	56	57
20	20	20	20	20	20	20	20	20	19	19	19	19	19	19	18	18	18
112	111	110	109	113	117	121	125	129	133	138	137	136	135	134	134	133	133
35	35	35	36	36	36	36	36	36	40	40	40	40	40	40	40	40	38
73	77	80	82	82	82	82	81	81	81	80	80	80	80	80	80	80	79
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55
361	357	355	350	364	391	413	391	382	394	403	399	403	399	396	393	390	384
30	29	28	27	27	28	29	27	27	27	27	27	27	27	27	26	26	26
38	38	38	35	21	30	13	24	31	30	32	31	31	31	31	29	26	23
338	341	344	307	343	359	358	358	343	343	341	340	338	344	343	333	332	314
27	29	29	29	29	32	32	32	32	32	32	32	27	27	27	27	27	27
10	10	10	10	10	11	11	11	11	11	11	11	16	16	16	16	16	16
167	167	167	167	167	167	164	164	164	164	159	159	156	156	156	156	146	146
77	77	77	77	77	78	78	78	78	78	78	78	81	81	81	81	81	81
89	89	89	89	76	76	76	76	84	94	97	103	109	109	109	109	109	109
21	21	21	21	21	21	21	23	23	25	25	27	27	27	27	27	27	25
32	18	18	18	18	18	25	33	33	33	33	33	35	35	33	33	29	29
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
5528	5509	5504	5453	5496	5557	5582	5582	5570	5611	5625	5632	5648	5645	5217	5319	5406	5375
151	163	170	155	116	92	92	94	110	130	159	186	186	195	235	249	212	259
5679	5672	5674	5608	5612	5649	5674	5676	5680	5741	5784	5818	5834	5840	5452	5568	5618	5634

BOISE VALLEY CANALS

OF 1952, INCLUDING STORAGE

CHART NO. 5

	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
5																87108
0	2853	2870	2870	2870	2870	2870	2870	2442	2563	2685	2685	2685	2688	2688	2685	295
3	13	11	11	12	13	12	11	11	11	9	0	8	3	5	6	385
2	12	12	12	12	11	11	11	11	11	11	11	12	12	11	11	17593
7	562	557	564	564	563	568	565	568	567	557	563	566	566	538	540	5602
0	183	169	174	178	181	183	183	185	186	188	189	190	190	188	186	
9	30	31	32	33	34	34	34	35	35	35	36	36	35	34	34	935
18	18	18	18	18	19	19	19	19	19	19	19	18	18	18	18	586
32	32	32	32	32	31	31	31	31	31	31	31	31	31	31	31	995
38	237	237	236	236	235	236	236	237	237	238	239	228	228	228	226	7104
13	13	13	13	13	13	13	13	13	13	13	13	12	12	12	12	418
61	66	62	61	58	62	62	62	62	60	56	57	61	61	60	60	1907
20	20	20	19	19	19	19	19	19	18	18	18	18	18	18	18	588
21	125	129	133	138	137	136	135	134	134	133	133	132	132	131	131	3854
36	36	36	40	40	40	40	40	40	40	40	38	38	38	38	38	1128
82	81	81	81	80	80	80	80	80	80	80	79	79	79	79	78	2346
55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	55	1696
413	391	382	394	403	399	403	399	396	393	390	394	379	374	372	370	11704
29	27	27	27	27	27	27	27	27	26	26	26	26	26	26	27	868
13	24	31	30	32	31	31	31	31	29	26	23	21	21	19	19	909
358	358	343	343	341	340	338	344	343	333	332	314	314	313	311	311	10241
32	32	32	32	32	32	27	27	27	27	27	27	30	30	30	30	874
11	11	11	11	11	11	16	16	16	16	16	16	16	16	16	16	381
164	164	164	164	159	159	156	156	156	156	146	146	146	143	143	143	5062
78	78	78	78	78	78	81	81	81	81	81	81	81	76	76	76	2398
76	76	84	94	97	103	109	109	109	109	109	109	108	108	108	108	2876
21	23	23	25	25	27	27	27	27	27	27	25	25	25	25	25	685
26	33	33	33	33	33	35	35	33	33	29	29	29	29	29	29	883
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	906
5562	5582	5570	5611	5625	5632	5648	5645	5217	5319	5406	5375	5373	5346	5318	5312	170327
92	94	110	130	159	186	196	195	235	249	212	259	294	346	374	358	6061
5674	5676	5680	5741	5784	5818	5834	5840	5452	5568	5618	5634	5667	5692	5692	5670	176388

DISCHARGE IN SECOND FEET OF

BY DAYS DURING THE IRRIGATION SEASON

SEPTEMBER

NAME OF CANAL	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
NEW YORK CANAL	2685	2685	2685	2685	2629	2629	2615	2559	2562	2559	2557	2557	2451	2409	2342	2344
PONTIACARY	2	2	10	10	10	10	11	11	10	11	11	11	10	11	10	11
DEB (SOUTH BOISE)	11	10	9	8	8	8	8	8	8	8	8	8	8	8	8	8
RIDENBAUGH	538	527	520	523	525	521	521	510	492	497	457	422	409	412	407	413
SETTLERS	185	183	182	180	179	160	160	153	152	145	123	121	120	111	110	102
THURMAN MILL	34	33	32	31	30	30	30	30	29	29	29	29	28	28	28	28
CRUZEN (CONSUMERS)	18	18	18	18	17	17	17	17	17	17	17	16	16	16	16	16
BOISE CITY	31	31	32	31	31	31	31	31	31	31	28	26	28	28	28	28
FARMERS UNION & B. V.	226	225	224	223	222	222	203	192	180	180	180	192	192	203	205	205
NEW UNION	10	10	10	9	9	9	9	9	9	9	9	9	9	9	9	9
NEW DRY CREEK	58	54	55	51	57	55	55	57	55	51	54	58	55	56	49	46
BALLANTINE	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
WIDLETON CANALS	130	129	128	127	126	125	124	123	122	121	120	119	118	117	116	114
LITTLE PIONEER	35	31	26	22	22	22	22	22	22	22	22	22	22	22	22	22
CANYON COUNTY	78	78	78	77	76	76	75	75	74	74	73	73	72	72	71	71
EAGLE ISLAND CANALS	55	55	55	55	55	55	55	55	55	55	55	55	55	54	54	54
PHYLLIS	362	359	356	352	348	345	340	339	336	334	335	306	306	289	266	265
EUREKA #1	28	27	27	27	27	27	28	28	29	30	27	27	25	22	23	23
CALDWELL HIGH LINE	16	15	13	16	24	25	25	25	23	23	22	22	21	17	15	15
SEEREE (FARMERS CO-OP)	311	309	299	297	284	281	269	257	257	234	234	225	213	213	236	236
CAMPBELL	30	30	30	30	30	31	31	31	31	31	31	31	27	25	19	19
SIEBENBERG	14	14	13	13	11	11	11	11	11	11	11	11	11	11	11	11
RIVERSIDE #2	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149	149
PIONEER DIXIE	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
EUREKA #2	97	97	97	91	91	91	91	91	91	91	91	91	89	89	89	89
UPPER CENTER POINT	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	18
LOWER CENTER POINT	26	26	24	24	24	24	21	21	19	19	19	17	17	17	17	17
MISCELLANEOUS	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29
TOTAL CANAL DIVERSIONS	5260	5228	5203	5180	5115	5085	5032	4935	4895	4862	4793	4728	4582	4479	4431	4421
RIVER AT NOTUS	374	400	400	380	358	412	461	484	546	676	700	658	616	575	495	473
TOTALS	5634	5628	5603	5560	5473	5497	5493	5419	5441	5538	5493	5386	5198	5074	4926	4824

DISCHARGE IN SECOND FEET OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1962, INCLUDING STORAGE

SEPTEMBER

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
2	2559	2557	2557	2451	2409	2342	2344	2347	2342	2342	2333	2329	2220	2213	2129	2125	2125	193
0	11	11	11	10	11	10	10	5	5	1	1	1	1	1	1	2	2	
8	8	8	8	8	8	8	8	8	9	9	9	9	9	9	9	9	9	
2	497	457	422	409	412	407	413	412	415	405	402	405	409	400	406	411	414	411
12	145	123	121	120	111	110	102	93	92	103	103	103	103	103	103	103	103	97
29	29	29	29	28	28	28	28	27	27	26	26	26	25	25	25	24	24	24
17	17	17	16	16	16	16	16	16	15	15	15	15	15	15	15	15	15	15
31	31	28	26	26	28	28	28	28	28	27	27	27	27	27	27	25	25	25
30	130	180	192	192	203	205	205	203	206	193	193	193	193	193	193	193	193	193
9	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10
55	51	54	58	55	56	49	46	49	41	43	43	42	33	44	43	42	43	39
15	15	15	15	15	15	15	15	16	16	16	16	16	16	16	16	16	14	14
22	121	120	119	118	117	116	114	112	111	110	109	108	107	106	105	105	105	105
22	22	22	22	22	22	22	22	17	17	17	17	22	22	22	22	22	22	22
74	74	73	73	72	72	71	71	71	71	71	71	71	71	71	71	71	71	71
55	55	55	55	55	54	54	54	54	54	54	54	54	54	44	44	44	44	44
136	334	335	306	306	269	266	265	264	264	236	236	236	236	236	236	236	236	236
29	30	27	27	25	22	23	23	22	22	18	18	18	18	18	18	18	18	18
23	23	22	22	21	17	15	15	15	15	15	19	19	19	19	19	18	15	15
257	234	234	225	213	213	236	236	238	262	286	286	286	262	262	262	262	262	262
31	31	31	31	27	25	19	19	12	12	12	12	15	15	17	19	19	19	19
11	11	11	11	11	11	11	11	11	11	11	9	9	9	9	9	9	9	9
149	149	149	149	149	149	149	149	149	146	146	146	146	139	139	151	151	141	141
65	65	65	65	65	65	65	65	65	67	67	67	67	67	67	55	55	55	55
91	91	91	91	89	89	89	89	79	79	79	79	79	65	65	65	65	65	65
22	22	22	22	22	22	22	18	18	18	18	18	12	12	12	12	12	12	12
19	19	19	17	17	17	17	17	17	17	17	17	17	17	17	21	21	21	21
29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	29	22	22
895	4862	4793	4728	4582	4479	4431	4421	4387	4401	4376	4365	4364	4203	4189	4115	4112	4034	3934
546	676	700	658	616	575	495	473	461	434	434	417	417	417	400	390	352	325	352
3441	5538	5493	5386	5198	5074	4926	4834	4748	4835	4810	4782	4781	4620	4589	4505	4464	4419	4260

BOISE VALLEY CANALS

IN OF 1962, INCLUDING STORAGE

CHART NO. 5

ER

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
44	2347	2342	2342	2333	2329	2220	2213	2129	2125	2125	1931	1838	1833	1643		70710
10	5	5	1	1	1	1	1	1	2	2	2	2	2	2		178
8	8	9	9	9	9	9	9	9	9	9	9	9	9	9		259
113	412	415	405	402	405	409	400	406	411	414	411	403	372	356		13315
102	93	92	103	103	103	103	103	103	103	103	97	97	97	97		3763
28	27	27	26	26	26	25	25	25	24	24	24	23	23	23		826
16	16	15	15	15	15	15	15	15	15	15	15	15	15	15		482
28	28	28	27	27	27	27	27	27	25	25	25	21	21	21		833
205	203	206	193	193	193	193	193	193	193	193	193	169	169	123		5881
9	10	10	10	10	10	10	10	10	10	10	10	10	10	10		267
46	49	41	43	43	42	33	44	43	42	43	39	41	41	41		1451
15	16	16	16	16	16	16	16	16	16	14	14	14	14	14		454
114	112	111	110	109	108	107	106	105	105	105	105	105	105	105		3457
22	17	17	17	17	22	22	22	22	22	22	22	22	22	22		666
71	71	71	71	71	71	71	71	71	71	71	71	71	71	71		2187
54	54	54	54	54	54	54	44	44	44	44	44	44	44	44		1553
265	264	264	236	236	236	236	236	236	236	236	236	236	236	186		8530
23	22	22	18	18	18	18	18	18	18	18	18	18	18	12		677
15	15	15	15	19	19	19	19	19	18	15	15	15	15	15		950
236	238	262	286	286	286	262	262	262	262	262	262	227	227	227		7766
19	12	12	12	12	15	15	17	19	19	19	19	19	19	19		685
11	11	11	11	9	9	9	9	9	9	9	9	9	9	9		316
149	149	146	146	146	146	139	139	151	151	141	141	141	141	141		4402
65	65	67	67	67	67	67	67	55	55	55	55	55	55	55		1902
89	79	79	79	79	79	65	65	65	65	65	65	65	65	65		2446
16	18	18	18	18	12	12	12	12	12	12	12	12	12	12		540
17	17	17	17	17	17	17	17	21	21	21	21	21	21	21		598
29	29	29	29	29	29	29	29	29	29	22	22	22	22	22		835
4421	4387	4401	4376	4365	4364	4203	4199	4115	4112	4044	3934	3724	3688	3380		135341
473	461	434	434	417	417	417	400	390	352	325	352	450	688	712		14257
4834	4848	4835	4810	4782	4781	4620	4589	4505	4464	4419	4246	4174	4376	4092		140798

TABLE IN ACRES FELT, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1962

CHART NO. 6

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
NEW YORK CANAL	80872	149836	148194	175532	174216	141420	870060
PENITENTARY	130	464	436	568	590	356	2544
BUBB	302	728	748	946	770	518	4012
RIDENBAUGH	13644	27478	32698	36388	35136	26630	170984
SETTLERS	3662	9104	10158	11478	11204	7526	53132
THURMAN MILL	888	2144	2216	2420	1870	1652	11190
CRUZEN	962	1116	1132	1320	1172	964	6666
BOISE CITY	462	1460	1752	2148	1990	1666	9478
FARMERS UNION	4415	9378	11684	13494	11150	9224	58346
BOISE VALLEY	1640	2776	2792	3052	3098	2538	15856
NEW UNION	336	936	998	1150	836	574	4830
NEW DRY CREEK	1740	3508	3104	4098	3814	2932	19156
BALLANTINE	320	1126	1020	1164	1176	908	5714
MIDDLETON CANALS	4176	7902	7798	9332	7708	6914	43830
LITTLE PIONEER	556	2234	2526	2310	2256	1332	11214
CANYON COUNTY	2624	4694	4620	4850	4692	4374	25854
EAGLE ISLAND CANALS	1462	3392	3232	3392	3392	3106	13026
PHYLLIS	10218	13442	21362	26500	24408	17060	116990
EUREKA #1	718	1024	1540	2044	1736	1354	8416
CALDWELL HIGH LINE	2518	3490	2676	2768	1818	1100	14390
SEPREE	8020	14172	20110	21006	20482	15532	99322
CAMPBELL	682	1460	1548	1940	1748	1370	8748
STIESENBERG	382	680	676	884	762	636	4020
RIVERSIDE	6200	10066	10230	11162	10124	8804	56586
PIONEER DIXIE	1958	3682	3930	4850	4796	3794	23200
EUREKA #2	2064	5096	4704	6584	5732	4892	30012
UPPER CENTER POINT	758	1024	1130	1392	1370	1080	6754
LOWER CENTER POINT	788	1404	1356	1924	1760	1176	8434
MISCELLANEOUS	712	1812	1754	1912	1812	1670	9572
TOTALS	153390	200828	306264	375128	340654	271082	1717346

BOISE RIVER CANAL DIVER

	1950	1951	1952	1953	1954	1955	1956	BEGINNING 1957
BOARD OF CONTROL	820502	856926	863356	839026	945306	791210	979666	876932
PRISONIARY	2642	2766	2732	2356	2778	2488	2332	2194
BURB	4310	4566	3890	4368	5494	4182	4702	3672
RIDENBAUGH	166250	173836	171742	176828	192808	186426	178580	177682
SETTLERS	52044	53446	52510	49936	55290	48292	54972	47776
THURMAN MILL	10402	10500	9644	8880	8788	8688	9352	9546
CONSUMERS WATER CO.	6828	5562	6756	6260	7876	6864	7352	6182
BOISE CITY	9512	10412	9328	9254	10114	9022	9864	9320
FARMERS UNION	51276	58274	46696	47750	52309	48161	63250	52426
CAPITAL VIEW IRR. DIST.	2556	2554	2470	2198	2196	1876	2132	1932
BOISE VALLEY	18420	13068	19404	22920	23821	19180	15016	14310
NEW UNION	4218	5224	4180	4534	5938	4252	5304	4438
NEW CRY CREEK	12120	19954	16782	19298	20136	16204	19662	18536
BALLANTINE	5346	5328	5242	5858	6838	5404	6074	5402
MIDDLETON WATER CO.	29886	32773	31067	32089	33263	23701	29800	29618
MIDDLETON MILL DITCH	19924	21849	20711	21393	22175	18623	21580	21448
LITTLE PIONEER	11322	10944	11666	11062	12276	10706	12564	12480
CANYON COUNTY WATER CO.	23262	23282	24374	23948	25984	21860	25898	24178
7-BAILE ISLAND CANALS	15244	15400	16744	16256	16006	13672	16802	17110
PHYLLIS CANAL	116662	113870	114114	103862	118430	108846	117634	106828
EUREKA WATER COMPANY	9654	10300	9682	9864	10938	9910	10024	10498
DALEWELL HIGH LINE	14068	14906	13330	15824	19310	15394	20508	17852
FARMERS CO-OP	93470	102484	107814	105996	119806	106758	111420	99744
CAMPBELL (CANYON)	5596	6406	6168	6102	6400	6102	6234	6342
SIEBENBERG	2926	3120	3272	3528	3930	3294	3774	2124
RIVERSIDE	68812	69594	68458	63526	69950	67474	66284	58690
PIONEER DIXIE	18388	21046	21098	18876	24476	23952	23852	20014
EUREKA NO. 2	25752	25668	24708	27754	29656	25960	29688	28278
UPPER CENTER POINT	5824	5954	5970	7088	6930	5144	5782	5952
LOWER CENTER POINT	5736	5920	5790	6208	6534	5984	6806	6006
MISCELLANEOUS	8344	8432	8592	8676	8556	7164	8930	9324
TOTAL SUMMER DIVERSIONS APRIL 1 TO SEPTEMBER 30	1644296	1714424	1706290	1681518	1874314	1608802	1875838	1707194
NEW YORK CANAL DIVERSIONS OCTOBER 1 TO MARCH 31	137978	133610	104267	154382	147710	103968	138968	96478
IRRIGATION REQUIREMENTS BELOW DIVERSION DAM DURING OCTOBER	6728	33224	13096	19962	21910	22198	20160	17026
TOTAL	1789002	1881258	1827655	1855862	2043934	1734963	2034966	1820698
SUMMER RETURN FLOW	400206	471172	454974	480208	508274	396138	469220	462564
AMOUNT OF NATURAL FLOW USED	1388796	1410086	1332681	1375654	1535660	1338825	1565746	1358134

BOIGE RIVER CANAL DIVERSIONS IN ACRE FEET

	1954	1955	1956	BEGINNING 1950 1957	1958	1959	1960	1961	1962
26	945306	791210	979666	876992	906822	866558	1002438	773106	870060
56	2778	2488	2332	2194	2154	2214	2396	2478	2544
58	5494	4182	4702	3672	3674	3896	4178	3938	4012
28	192808	166426	178580	177682	168762	172700	178994	144648	170984
36	55290	48292	54972	47776	50362	53044	55392	46046	53132
80	8788	8688	9352	9546	9086	10176	10358	10382	11190
60	7876	6864	7352	6182	5580	5926	6498	6598	6666
54	10114	9022	9864	9320	9420	9462	9978	9470	9478
50	52309	48161	63250	52426	55554	57346	59896	48362	56120
58	2196	1876	2132	1932	2044	2156	2142	2156	2226
20	23821	19189	15016	14310	14634	16522	15986	13406	15856
34	5938	4252	5304	4438	5050	4964	5178	4184	4830
298	20136	16204	19662	18536	19808	21036	21232	16916	19166
358	6838	5404	6074	5402	5688	5940	7288	5272	5714
089	33263	23701	29800	29618	30399	26840	27954	23780	25421
393	22175	18623	21580	21448	22013	19436	20242	17218	18409
062	12276	10706	12564	12480	12984	14792	11482	10934	11214
948	25984	21860	25896	24178	24296	24086	24120	22336	23854
256	16006	13672	16802	17110	17792	18028	18134	15946	18026
862	118430	108846	117634	106828	111464	118504	142170	112850	116990
864	10938	9910	10024	10498	12996	10896	11818	7902	8416
824	19310	15394	20508	17852	17140	15062	16194	15214	14390
996	119806	106758	111420	99744	104940	110006	114058	91882	99322
102	6400	6102	6234	6342	6928	7894	8202	8792	8748
1528	3930	3294	3774	2124	3002	3324	3738	3910	4020
1526	69950	67474	66284	58990	50254	48252	49968	53850	56586
3876	24476	23952	23852	20014	23602	24432	24500	22264	23200
7754	29656	25960	29688	28278	29664	31816	32144	25376	30012
7088	6930	5144	5782	5952	5960	6474	5814	5258	6754
5208	6534	5984	6806	6006	6662	7708	7758	8548	8434
8676	8556	7164	8930	9324	9674	9534	9596	8542	9572
1518	1874314	1608802	1875838	1707194	1748408	1729024	1909786	1541364	1717346
4382	147710	103968	138968	96478	105508	96046	138466	37632	98062
9962	21910	22198	20160	17026	33088	20580	00	3510	3510
75862	2043934	1734963	2034966	1820698	1887004	1845650	2048252	1582506	1818918
30208	508274	396138	469220	462564	454864	458458	500232	315814	382012
75654	1535650	1338825	1565746	1358134	1432140	1387192	1548020	1266892	1436906

TRIBUTARY AND RETURN FLOW

IRRIGATION SEASON

NAME OF TRIBUTARY	APRIL														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DRAINAGE DISTRICT #3	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
DAVIS DRAIN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
THURMAN DRAIN	10	10	10	10	10	10	11	11	11	11	11	11	12	12	12
BOISE SEWER	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
EAGLE DRAIN	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
SOUTH MIDDLETON DRAIN	33	33	33	33	32	32	30	30	28	28	27	27	26	26	25
NORTH MIDDLETON DRAIN	6	6	6	6	7	7	8	8	9	9	10	10	11	11	12
HARTLEY DRAIN	7	7	7	7	9	10	13	15	17	19	21	23	25	27	29
PHYLLIS WASTE	0	0	0	0	3	3	3	3	3	3	5	5	5	5	5
MASON CREEK	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
WILLOW CREEK	0	0	0	0	0	0	15	17	19	23	29	27	25	21	24
MASON DRAIN	47	47	47	47	47	48	48	48	48	48	48	48	48	48	48
INDIAN CREEK	154	154	154	154	150	146	142	136	132	126	122	116	112	106	102
HARTLEY GULCH	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
FIVE MILE CREEK	19	19	19	19	19	21	23	25	27	29	31	33	35	37	39
TOTALS	318	318	318	318	312	319	335	335	336	338	346	342	341	335	338
NAME OF TRIBUTARY	MAY														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DRAINAGE DISTRICT #3	11	12	13	14	15	15	16	17	17	17	17	17	17	17	17
DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
THURMAN DRAIN	14	14	14	14	14	14	14	14	14	14	15	15	15	15	15
BOISE SEWER	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
EAGLE DRAIN	56	55	55	54	54	53	53	52	52	53	53	53	53	53	53
SOUTH MIDDLETON DRAIN	54	60	66	72	78	84	90	96	101	106	111	117	122	127	132
NORTH MIDDLETON DRAIN	24	24	25	25	26	26	27	27	28	29	30	31	32	33	34
HARTLEY DRAIN	53	54	55	56	57	58	59	60	61	61	62	63	64	65	66
PHYLLIS WASTE	9	9	9	9	8	8	8	8	8	8	7	7	7	7	7
MASON CREEK	7	8	8	9	9	9	10	10	10	11	10	9	7	5	2
WILLOW CREEK	31	31	31	31	31	31	31	32	34	36	38	40	42	44	46
MASON DRAIN	86	93	95	98	101	104	107	110	113	116	121	126	131	136	141
INDIAN CREEK	126	135	137	138	139	141	142	143	146	155	164	173	182	191	200
HARTLEY GULCH	13	14	15	16	17	18	18	19	20	20	21	21	22	22	23
FIVE MILE CREEK	47	47	47	46	46	46	45	45	45	45	44	56	56	69	69
TOTALS	547	572	586	598	611	623	636	648	665	687	709	744	766	800	822

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1962

APRIL

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	11	11
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	11	11	11	12	12	12	12	12	12	12	13	13	13	13	13	13	14	14
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11
8	8	8	8	8	8	8	9	10	11	12	13	14	15	17	19	20	26	32
28	28	27	27	26	26	25	24	24	23	23	22	21	20	19	18	18	24	30
9	9	10	10	11	11	12	12	13	14	14	15	15	16	16	17	18	19	20
17	19	21	23	25	27	29	31	33	35	37	39	41	43	45	47	48	49	49
3	3	5	5	5	5	5	7	7	7	7	7	7	8	8	8	10	10	10
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5
19	23	29	27	25	21	24	27	31	35	34	33	32	31	30	29	30	30	30
48	48	48	48	48	48	48	49	49	49	49	49	49	49	49	49	50	56	62
132	126	122	116	112	106	102	98	94	90	86	82	78	74	72	71	81	90	99
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	9	9	10
27	29	31	33	35	37	39	40	41	42	43	44	45	46	47	48	49	48	48
336	338	346	342	341	335	338	343	348	352	351	352	350	350	351	354	373	404	436

MAY

17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
11	11	15	15	15	15	15	15	15	15	15	15	15	16	16	15	15	15	14
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	13
52	53	53	53	53	53	53	53	53	53	53	53	53	53	49	49	49	45	45
101	106	111	117	122	127	132	137	142	147	152	156	160	149	138	127	116	105	94
28	29	30	31	32	33	34	35	37	39	41	43	45	43	41	39	37	35	33
61	61	62	63	64	65	66	67	68	69	70	71	72	70	68	66	64	62	60
8	8	7	7	7	7	7	6	6	6	6	6	6	7	7	7	7	7	7
10	11	10	9	7	5	3	2	1	2	3	4	5	4	4	3	3	3	2
31	36	38	40	42	44	46	48	50	52	54	56	60	70	70	80	80	80	80
113	116	121	126	131	136	141	146	151	156	161	166	172	172	172	172	172	172	172
145	155	164	173	182	191	200	209	218	227	236	245	254	250	243	236	229	222	215
20	20	21	21	22	22	23	23	24	25	26	27	28	26	24	22	21	20	19
47	45	44	56	56	69	69	82	82	94	194	220	271	271	271	232	127	52	42
605	687	709	741	766	800	822	856	880	918	1044	1095	1181	1170	1112	1051	953	851	786

1962

CHART NO. 8

16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	11	311
2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	60
12	12	12	12	13	13	13	13	13	13	14	14	14	14	14	14	358
10	10	10	10	10	10	10	10	10	10	11	11	11	11	11	11	317
9	10	11	12	13	14	15	17	19	20	26	32	38	44	50		450
24	24	23	23	22	21	20	19	18	18	24	30	36	42	48		835
12	13	14	14	15	15	16	16	17	18	19	20	21	22	23		361
31	33	35	37	39	41	43	45	47	48	49	49	50	51	52		886
7	7	7	7	7	7	8	8	8	10	10	10	10	10	10		169
4	4	4	4	4	4	4	4	4	4	5	5	6	6	7		129
27	31	35	34	33	32	31	30	29	30	30	30	30	30	30		662
49	49	49	49	49	49	49	49	49	50	56	62	68	74	80		1546
98	94	90	86	82	78	74	72	71	81	90	99	108	117	120		3366
8	8	8	8	8	8	8	8	8	9	9	10	10	11	12		253
40	41	42	43	44	45	46	47	48	49	48	48	48	48	47		1079
343	348	352	351	352	350	350	351	354	373	401	436	465	495	520		10802
17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	17	503
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	93
15	15	15	15	15	15	16	16	16	15	15	15	14	14	13	13	451
13	13	13	13	13	13	13	13	13	13	13	13	13	13	13	12	402
53	53	53	53	53	53	53	49	49	49	45	45	41	41	38	38	1568
137	142	147	152	156	160	149	139	127	116	105	94	90	80	70	70	3349
35	37	39	41	43	45	43	41	39	37	35	33	31	39	37	34	1030
67	68	69	70	71	72	70	68	66	64	62	60	54	51	48	45	1899
6	6	6	6	6	6	7	7	7	7	7	7	7	7	7	7	225
2	1	2	3	4	5	4	4	3	3	3	2	2	1	1	2	167
48	50	52	54	56	60	70	70	80	80	80	80	80	80	80	80	1629
146	151	156	161	166	172	172	172	172	172	172	172	172	172	151	125	4282
209	218	227	236	245	254	250	243	236	229	222	215	208	201	194	189	5888
23	24	25	26	27	28	26	24	22	21	20	19	18	17	15	15	630
82	82	91	191	220	271	271	271	202	127	52	42	35	22	22	22	2730
856	880	918	1044	1095	1181	1170	1142	1051	953	851	815	765	758	710	672	24896

NAME OF TRIBUTARY	JUNE													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
DRAINAGE DISTRICT #3	17	17	17	17	17	17	17	17	17	17	17	17	18	19
DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3
THURMAN DRAIN	13	12	12	11	11	11	12	13	15	16	17	19	20	21
BOISE SEWER	14	14	14	14	14	14	14	14	14	14	15	15	15	15
EAGLE DRAIN	34	34	34	35	36	37	39	40	42	44	45	47	49	52
SOUTH MIDDLETON DRAIN	60	60	50	50	57	62	67	72	77	82	88	88	88	88
NORTH MIDDLETON DRAIN	31	28	25	22	23	23	23	24	24	24	25	25	25	25
HARTLEY DRAIN	42	39	36	39	39	39	45	45	51	51	57	56	56	55
PHYLLIS WASTE	8	8	8	8	8	9	9	9	9	9	9	9	9	9
MASON CREEK	2	3	3	4	4	3	2	2	1	1	2	2	3	3
WILLOW CREEK	59	43	31	25	24	23	22	21	20	19	18	18	18	18
MASON DRAIN	106	100	94	94	93	93	92	92	91	90	87	85	82	79
INDIAN CREEK	187	180	173	166	179	180	191	202	213	224	235	228	221	214
HARTLEY GULCH	14	13	12	11	12	14	16	18	21	24	27	26	26	26
FIVE MILE CREEK	32	42	51	53	53	53	53	53	53	53	53	53	53	53
TOTALS	622	596	563	552	573	581	605	625	651	671	698	691	686	679
JULY														
DRAINAGE DISTRICT #3	19	19	20	20	20	20	20	20	20	19	19	19	19	19
DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3
THURMAN DRAIN	21	20	20	20	20	19	19	19	18	18	18	18	17	17
BOISE SEWER	18	18	18	18	18	18	18	18	18	18	18	18	18	18
EAGLE DRAIN	60	61	61	61	61	61	61	61	61	60	60	60	60	60
SOUTH MIDDLETON DRAIN	88	89	90	91	92	93	94	95	96	95	94	93	92	91
NORTH MIDDLETON DRAIN	32	33	34	35	36	37	38	39	40	40	40	40	41	41
HARTLEY DRAIN	51	51	52	52	53	53	53	54	54	55	55	57	58	58
PHYLLIS WASTE	9	9	9	9	9	9	9	9	9	10	10	11	12	13
MASON CREEK	4	4	5	5	5	6	6	6	6	6	7	7	8	8
WILLOW CREEK	16	16	16	16	16	16	16	16	15	15	15	15	15	15
MASON DRAIN	96	101	103	106	108	111	113	116	119	121	123	126	129	134
INDIAN CREEK	199	205	213	222	232	225	218	213	207	197	187	189	194	205
HARTLEY GULCH	21	21	21	21	20	20	20	19	19	19	19	19	19	19
FIVE MILE CREEK	42	42	46	50	54	57	59	62	66	70	73	77	84	92
TOTALS	679	692	711	729	747	748	747	750	751	746	741	752	766	804

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1962

JUNE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
17	17	17	18	18	19	19	20	20	21	21	20	20	19	19	18	18	18
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18	17	17	20	21	23	24	25	26	26	26	25	25	25	24	24	23	23
14	15	15	15	15	15	15	15	15	15	15	15	15	15	17	17	17	17
44	43	47	49	52	53	54	55	56	56	56	57	57	58	58	58	59	59
82	88	88	88	88	88	87	87	87	87	87	86	86	86	86	86	85	85
24	25	25	25	25	25	26	26	26	26	26	26	27	27	27	27	27	26
51	57	59	56	55	55	54	54	53	53	52	52	51	51	50	50	49	47
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1	2	2	3	3	4	4	4	5	5	5	5	5	5	5	5	5	4
19	18	18	18	18	18	17	17	17	17	17	17	16	16	16	16	16	16
80	87	88	82	70	78	77	74	72	75	75	78	78	82	82	86	86	91
24	233	228	221	214	207	200	193	193	186	181	180	179	177	175	172	170	179
24	27	26	26	26	26	26	25	25	25	25	24	24	24	24	24	23	23
53	53	53	53	53	53	53	53	54	54	54	54	54	48	48	48	48	48
571	690	691	690	679	675	668	660	661	658	652	651	649	645	643	643	638	652

JULY

19	19	19	19	19	19	19	21	21	20	20	19	19	19	18	18	18	18
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18	18	18	17	17	17	18	18	18	18	18	18	17	17	17	17	16	16
18	18	18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	19
60	60	60	60	60	60	60	59	59	59	59	58	58	58	58	58	57	57
95	94	93	92	91	90	89	88	87	86	85	84	83	82	80	79	78	77
40	40	40	40	41	41	41	41	41	42	42	42	42	43	43	43	42	42
55	55	57	57	58	58	60	60	60	61	62	62	63	64	65	66	68	69
10	10	11	12	12	13	14	14	14	14	14	14	14	13	13	13	13	13
6	7	7	7	8	8	8	7	7	7	7	5	5	5	5	5	6	6
15	15	15	15	15	15	15	15	15	15	17	17	17	17	18	18	18	19
121	123	126	129	132	134	137	138	138	139	139	140	141	142	143	144	145	146
197	187	189	194	205	217	227	239	249	248	248	247	245	243	240	237	234	229
19	19	19	19	19	19	15	19	19	18	18	18	18	18	18	18	17	17
70	73	77	84	88	92	95	95	95	95	95	100	100	100	100	100	105	105
746	741	752	766	766	804	823	835	844	843	845	846	844	843	840	838	839	835

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
20	20	21	21	20	20	19	19	18	18	18	19	19	19		549
3	3	3	3	3	3	3	3	3	3	3	3	3	3		90
25	26	26	26	25	25	25	24	24	23	23	22	22	21		587
15	15	15	15	15	15	15	17	17	17	17	17	17	17		454
53	56	56	56	57	57	58	58	58	59	59	59	59	60		1482
87	87	87	87	86	86	86	86	86	85	85	85	86	87		2370
26	26	26	26	26	27	27	27	27	27	28	29	30	31		781
54	53	53	52	52	51	51	51	50	49	49	47	50	50		1472
9	9	9	9	9	9	9	9	9	9	9	9	9	9		265
4	5	5	5	5	5	5	5	5	5	4	4	4	4		108
17	17	17	17	17	16	16	16	16	16	16	16	16	16		623
74	72	75	75	78	79	82	82	86	86	91	91	96	96		2595
193	193	186	181	180	179	177	175	172	170	179	187	193	196		5751
25	25	25	25	24	24	24	24	24	23	23	23	23	23		647
53	54	54	54	54	54	48	48	48	48	48	48	42	42		1509
660	661	658	652	651	649	645	643	643	638	652	661	669	674		19293
21	21	20	20	19	19	19	18	18	18	18	18	18	18		594
3	3	3	3	3	3	3	3	3	3	3	3	3	3		93
16	18	16	16	18	17	17	17	16	16	16	16	15	15		551
18	18	18	18	19	19	19	19	19	19	19	19	19	19		569
59	59	59	59	58	58	58	58	56	57	57	57	57	58		1838
88	87	86	85	84	83	82	80	79	78	77	76	75	74		2679
41	41	42	42	42	42	43	43	43	42	42	41	41	40		1232
60	60	61	62	62	63	64	65	66	68	69	70	72	73		1861
14	14	14	14	14	14	13	13	13	13	13	13	13	12		362
7	7	7	7	5	5	5	5	5	6	6	6	6	7		189
15	15	15	17	17	17	17	18	18	18	19	19	20	20		513
136	138	139	139	140	141	142	143	144	145	146	146	147	148		4019
236	242	248	248	247	245	243	240	237	234	232	229	228	226		6024
19	19	18	18	18	18	18	18	18	17	17	17	17	17		581
98	95	95	95	100	100	100	100	100	105	105	105	105	106		2569
835	844	843	845	846	844	843	840	838	839	839	835	837	838		24574

TRIBUTARY AND RETURN

IRRIGATION

AUGUST

NAME OF TRIBUTARY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
DRAINAGE DISTRICT #3	17	17	17	17	17	17	17	17	17	17	17	17	17	17	18
DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
THURMAN DRAIN	15	15	15	16	16	16	17	17	18	18	19	19	19	19	19
BOISE SEWER	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
EAGLE DRAIN	57	57	57	56	56	56	55	55	55	54	54	54	54	53	52
SOUTH MIDDLETON DRAIN	71	69	68	65	64	63	62	64	64	66	66	68	68	70	72
NORTH MIDDLETON DRAIN	40	39	38	37	37	36	36	35	36	38	40	41	42	43	44
HARTLEY DRAIN	74	75	76	78	80	81	80	80	79	77	75	73	70	68	64
PHYLLIS WASTE	11	9	9	8	8	7	7	7	7	8	8	8	9	9	10
MASON CREEK	7	7	7	6	6	6	6	6	7	7	7	7	7	7	7
WILLOW CREEK	20	20	21	21	21	21	22	22	22	21	21	21	20	20	19
MASON DRAIN	147	146	146	145	145	144	144	143	143	143	142	142	141	141	141
INDIAN CREEK	227	227	225	221	218	215	213	210	213	216	220	223	226	228	229
HARTLEY GULCH	19	22	24	24	25	26	25	24	23	23	22	22	22	21	21
FIVE MILE CREEK	106	100	100	93	93	93	86	86	80	80	73	73	67	69	72
TOTALS	833	825	825	809	808	803	792	788	796	790	786	790	784	787	790

SEPTEMBER

DRAINAGE DISTRICT #3	18	18	18	18	17	17	17	17	17	17	17	16	16	16	16
DAVIS DRAIN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
THURMAN DRAIN	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20
BOISE SEWER	20	20	20	20	19	19	19	19	19	19	19	19	19	19	19
EAGLE DRAIN	47	47	47	46	46	46	46	45	45	45	45	45	44	44	44
SOUTH MIDDLETON DRAIN	77	77	76	76	75	75	75	74	74	74	73	73	72	72	71
NORTH MIDDLETON DRAIN	41	39	39	39	38	38	38	38	38	38	38	38	38	38	38
HARTLEY DRAIN	61	62	63	64	65	65	65	65	65	65	65	65	65	65	64
PHYLLIS WASTE	9	9	9	9	9	8	8	8	8	7	7	7	7	7	7
MASON CREEK	7	8	8	8	8	8	8	8	8	9	9	9	9	9	9
WILLOW CREEK	37	37	40	40	44	44	44	44	44	44	40	40	35	35	30
MASON DRAIN	137	136	136	135	135	134	134	134	133	133	132	132	131	131	130
INDIAN CREEK	242	245	246	247	248	250	251	252	253	254	256	257	258	259	260
HARTLEY GULCH	28	28	29	29	30	29	27	25	24	23	22	22	22	21	21
FIVE MILE CREEK	104	104	104	107	107	110	110	114	114	119	119	119	122	122	124
TOTALS	851	853	858	861	864	866	865	866	865	870	865	865	861	861	852

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1962

AUGUST

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
55	54	54	54	54	53	52	52	51	51	50	50	49	49	49	48	48	48	48
64	65	66	68	68	70	72	74	77	80	80	81	81	81	81	80	80	80	79
36	38	40	41	42	43	44	46	48	50	52	53	50	50	50	48	48	48	45
70	77	75	73	70	68	64	62	60	57	57	55	53	54	55	56	57	57	58
7	8	8	8	9	9	10	10	10	11	11	12	12	12	11	11	11	10	10
7	7	7	7	7	7	7	7	7	7	7	6	6	6	5	6	6	6	6
22	21	21	21	20	20	19	19	19	18	18	18	21	21	21	23	23	25	25
143	143	142	142	141	141	141	141	141	141	140	140	140	140	140	140	140	140	140
213	216	220	223	226	228	229	230	231	231	231	232	233	234	234	234	235	235	235
23	23	22	22	22	21	21	20	20	20	19	19	18	19	20	21	22	23	24
80	80	73	73	67	69	72	74	77	79	81	83	85	87	89	91	93	94	95
706	700	700	700	704	707	710	714	719	806	805	808	807	812	815	818	823	826	825

SEPTEMBER

17	17	17	16	16	16	16	16	16	16	14	14	14	14	14	14	14	14	14
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
20	20	20	20	20	20	20	20	20	19	19	19	19	19	19	19	19	19	18
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
45	45	45	45	44	44	44	44	44	43	43	42	42	41	41	40	40	39	39
74	74	73	73	72	72	71	71	71	70	70	70	69	69	68	68	67	67	66
38	38	38	38	38	38	38	38	38	38	37	37	36	36	35	35	34	34	34
65	65	65	65	65	65	65	64	64	64	64	63	63	63	62	62	62	61	61
8	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8	8	8
8	9	9	9	9	9	9	9	10	10	10	10	9	9	8	8	7	7	7
44	44	40	40	35	35	30	25	25	24	24	23	23	23	22	22	20	20	20
133	133	132	132	131	131	130	130	129	128	127	126	125	123	122	121	120	119	118
253	254	256	257	258	259	260	261	262	262	262	262	262	263	263	263	263	264	264
24	24	22	22	22	21	21	21	21	20	20	20	20	19	19	19	19	19	18
114	119	119	119	122	122	122	124	124	124	124	124	122	120	118	116	113	110	105
865	870	865	865	861	861	855	852	854	845	844	840	834	829	821	817	808	802	794

CHART NO. 9

19	20	21	22	23	24	25	26	27	28	29	30	31	
19	18	18	18	18	18	18	18	18	18	18	18	18	544
3	3	3	3	3	3	3	3	3	3	3	3	3	93
19	19	19	19	19	19	19	19	19	19	19	19	19	562
19	19	19	19	19	20	20	20	20	20	20	20	20	597
48	48	48	48	48	48	48	48	48	48	48	48	48	1610
81	81	81	81	81	80	80	80	79	79	78	78	77	2265
53	53	53	53	53	48	48	48	45	45	43	43	41	1342
57	57	57	57	56	56	57	57	56	56	59	60	60	2050
11	11	12	12	11	11	11	10	10	10	10	10	10	296
7	6	6	6	6	6	6	6	6	7	7	7	7	204
18	18	21	21	21	23	23	25	25	26	28	33	33	685
141	141	141	141	141	141	141	140	140	139	139	138	136	4390
231	232	233	234	234	234	235	235	235	236	236	236	240	7053
19	19	18	19	20	21	22	23	24	25	26	27	27	693
81	83	85	87	89	91	93	94	95	97	97	100	100	2693
819	818	817	812	815	818	823	826	825	832	831	840	841	25078
14	14	14	14	14	14	14	14	14	14	14	14	14	471
3	3	3	3	3	3	3	3	3	3	3	3	3	90
18	18	19	19	19	19	19	19	18	18	18	18	18	582
19	19	19	19	19	19	19	19	19	19	19	19	19	574
43	42	42	41	41	40	40	39	39	38	38	38	38	1234
61	61	68	68	68	68	67	67	66	65	65	65	65	2135
37	37	36	36	35	35	34	34	34	33	33	32	32	1106
64	61	63	63	62	62	62	61	61	61	61	60	60	1900
8	8	8	8	8	8	8	8	8	8	8	8	8	238
10	10	9	9	8	8	7	7	7	6	6	5	5	246
24	24	28	23	22	22	20	20	20	19	19	18	18	925
127	126	125	123	122	121	120	119	118	117	116	115	115	3839
262	262	262	263	263	263	263	264	264	264	264	265	265	7722
20	21	20	19	19	19	19	19	18	18	18	18	18	669
104	104	122	120	118	116	113	110	105	100	95	90	90	3406
844	840	834	829	821	817	808	802	794	783	777	768	768	25197

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUS)

CHART NO. 9

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

IRRIGATION SEASON 1962

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTALS
BOISE RIVER AT DIVERSION DAM	138394	248036	256118	296308	280598	221640	1441294
DELIVERIES TO CANALS	165034	325820	312882	367128	352776	299596	1823306
TRIBUTARY GAIN	21604	49772	38586	49148	50155	50394	259680
SEEPAGE GAIN	4836	27992	18178	21742	22022	27562	122332
NET GAIN	26440	77784	56764	70890	72178	77956	382012

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

BOISE RIVER AT DIVERSION DAM	2310	4001	4269	4779	4526	3694
DELIVERIES TO CANALS	2750	5255	5215	5923	5690	4993
TRIBUTARY GAIN	360	803	643	793	809	840
SEEPAGE GAIN	80	451	303	351	355	459
NET GAIN	440	1254	946	1143	1164	1299

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

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

SECTION I

1962

	JULY	AUGUST	SEPTEMBER	TOTAL
BOISE RIVER AT DIVERSION DAM	296308	280598	221640	798546
DELIVERIES TO CANALS	311698	295538	234572	841808
TRIBUTARY GAIN	7290	6812	6022	20124
SEEPAGE GAIN	8100	8120	6910	23130
NET GAIN	15390	14940	12932	43262

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

BOISE RIVER AT DIVERSION DAM	4779	4526	3694
DELIVERIES TO CANALS	5027	4767	3909
TRIBUTARY GAIN	118	110	100
SEEPAGE GAIN	130	131	115
NET GAIN	248	241	215

X INCLUDES BOISE RIVER PASSING CALDWELL HIGH LINE

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE

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

SECTION 2

1962

	JULY	AUGUST	SEPTEMBER	TOTAL
BOISE RIVER AT CALDWELL HIGH LINE	5912	1684	784	8380
DELIVERIES TO CANALS	61412	58922	65008	186142
TRIBUTARY GAIN	41858	43344	44372	129574
SEEPAGE GAIN	13642	13894	20652	48188
NET GAIN	59500	57238	65024	177762

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

CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN

SECTION 2

BOISE RIVER AT CALDWELL HIGH LINE	95	27	13
DELIVERIES TO CANALS	900	950	1077
TRIBUTARY GAIN	675	609	740
SEEPAGE GAIN	220	224	344
NET GAIN	895	923	1084

X INCLUDES BOISE RIVER AT NOTUS

BOARD OF CONTROL (NEW YORK)

NEW YORK IRRIG. DIST.	17,826	
BOISE-KUNA IRRIG. DIST.	48,660	
NAMPA & MERIDIAN IRRIG. DIST.	40,265	
WILDER IRRIG. DIST.	56,558	
BIG BEND IRRIG. DIST.	1,724	
TOTAL - BOARD OF CONTROL.	165,033	ACRES
RIDENBAUGH	26,747	"
PENITENTIARY	112	"
BUBB (SOUTH BOISE)	1,057	"
MEEVES.	90	"
ROSSI MILL	500	"
MANVILLE-LEONARD	159	"
DAVIS & LITTLE DAVIS	634	"
SETTLERS	12,282	"
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 DRY CREEK.	3,059	"
BALLANTINE.	763	"
MIDDLETON WATER.	5,180	"
MIDDLETON MILL	4,400	"
LITTLE PIONEER	1,286	"
CANYON COUNTY.	4,007	"
LEMP DITCH (EAGLE ISLAND).	300	"

WARM SPRINGS	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.	24,362	"
EUREKA WATER CO.	1,800	"
CALDWELL HIGH LINE	13,960	"
FARMERS CO-OP DITCH CO.	15,500	"
CANYON DITCH CO.	802	"
SIEBENBERG	646	"
RIVERSIDE IRRIG. DIST.	10,645	"
PIONEER DIXIE	2,030	"
EUREKA DITCH CO.	2,625	"
UPPER CENTER POINT.	641	"
LOWER CENTER POINT.	880	"
BOWMAN & SWISHER.	424	"
MAIMON	538	"
HAAS.	750	"
ISLAND HIGH LINE	945	"
LARSON, PAXTER, LEMP	200	"
BOONE	517	"
ANDREWS	1,068	"
PARMA DITCH CO.	562	"
O'CONNELL	120	"
MACE & MACE.	80	"

TOTAL 325,405 "

DRAINAGE WATER (NOT DIVERTED FROM BOISE RIVER)

BLACK CANYON IRRIGATION DISTRICT	6,894	ACRES
CALDWELL IRRIGATION DISTRICT	755	"
MORELAND & VIAL (DIXIE DRAIN).	640	"
GRAND TOTAL	8,289	
	333,694	

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 COMPILED FEBRUARY 14, 1941, BUT HAS BEEN AGAIN REVISED (JULY, 1944), PARTICULARLY TO REDUCE RIVER BOTTOM ACREAGES TO CONFORM TO STEWART DECREE ACREAGES AS DETERMINED BY SPECIAL COMMITTEE. ACREAGE IN LARGER CANALS REVISED 1955.

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).

* 3560 ACRES ARE WATERED WITH LIVE WATER. THE BALANCE OF THE WATER COMES FROM FIVE MILL CREEK AND MASON DRAIN.

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY

NAME OF CANAL	ACRES IRRIGATED	FOR EACH IRRIGATION SEASON FROM											
		1947	1948	1949	1950	1951	1952	1953	1954	1955	ACRES IRRIGATED	1956	1957
BOARD OF CONTROL	164,332	4.70	4.42	4.90	5.83	5.21	5.25	5.11	5.75	4.81	164824	5.94	5.32
PENITENTIARY	427	6.57	5.78	7.84	6.19	6.48	6.40	5.52	6.50	5.80	321	7.26	6.83
BUBB (SOUTH BOISE)	1,057	4.92	3.87	4.05	4.06	4.34	3.68	4.13	5.20	3.96	1057	4.45	3.51
RIDENBAUGH	26,747	5.88	4.93	5.83	6.22	6.50	6.42	6.61	7.21	6.22	26747	6.68	6.58
SETTLERS	12,300	4.01	3.55	4.29	4.23	4.35	4.27	4.06	4.50	3.93	12282	4.48	3.89
THURMAN MILL	1,799	5.81	5.36	4.84	5.78	5.94	5.36	4.94	4.08	4.83	1799	5.20	5.31
CONSUMERS	2,500	2.63	2.25	2.79	2.73	2.22	2.70	2.50	3.15	2.75	2603	2.92	2.47
BOISE CITY	1,828	5.14	3.33	4.95	5.22	5.70	5.10	5.06	5.53	4.94	1828	5.40	5.10
FARMERS UNION	8,900	4.57	3.68	5.15	6.05	6.10	5.52	5.61	6.12	5.62	8900	6.54	5.34
BOISE VALLEY	2,729	6.18	5.57	6.93	6.75	7.18	7.11	8.40	8.73	7.03	2729	8.12	7.74
NEW UNION	688	6.36	5.50	5.71	6.13	7.99	6.09	6.59	8.63	6.18	688	7.71	6.45
NEW DRY CREEK	3,059	6.14	5.05	6.45	6.25	6.52	5.49	6.31	6.58	5.95	3059	6.43	6.06
BALLANTINE	763	6.60	5.87	6.29	7.01	6.98	6.87	7.68	8.96	7.08	763	7.96	7.08
MIDDLETON IRRIG. ASSOC.	5,640	4.89	3.81	5.43	5.30	5.81	5.51	5.69	5.90	4.20	5182	5.75	5.72
MIDDLETON MILL	4,400	4.18	4.46	4.69	4.53	4.97	4.71	4.86	5.04	4.23	4400	4.90	4.87
LITTLE PIONEER	1,286	6.23	6.40	7.64	8.30	8.51	9.06	8.60	9.54	8.33	1286	9.77	9.70
CANYON COUNTY	4,007	5.40	4.53	4.76	5.81	5.81	6.08	5.98	6.48	5.46	4007	6.46	6.03
EAGLE ISLAND CANALS	2,637	5.21	4.75	5.56	5.79	5.84	6.35	6.16	6.07	5.18	2637	6.37	6.49
PHYLLIS	23,500	4.56	4.21	4.78	4.96	4.85	4.86	4.42	5.04	4.53	24362	4.82	4.30
EUREKA WATER	1,666	5.70	4.80	5.39	5.79	6.18	5.81	5.92	6.56	5.95	1800	5.57	5.83
* CALDWELL HIGH LINE	3,960	4.13	3.31	3.89	3.55	3.76	3.37	4.00	4.88	3.89	3960	5.18	4.51
FARMERS CO-OP	15,997	5.36	5.00	5.22	5.98	6.45	6.78	6.67	7.54	6.72	15500	7.19	6.44
CANYON(CAMPBELL)	802	6.79	5.54	6.27	6.98	7.99	7.69	7.61	7.98	7.61	802	7.77	7.91
SIEBENBERG	646	4.40	4.99	4.47	4.53	4.83	5.07	5.46	6.08	5.10	646	5.94	3.29
RIVERSIDE	10,645	4.74	5.50	5.11	6.09	6.54	6.43	5.97	6.57	6.34	10645	6.23	5.54
PIONEER DIXIE	2,030	8.09	6.39	9.13	9.06	10.37	10.39	9.30	12.06	11.60	2030	11.75	9.86
EUREKA #2	2,670	8.88	7.76	8.45	9.64	9.61	9.25	10.39	11.11	9.72	2625	11.31	10.83
UPPER CENTER POINT	641	6.85	7.42	8.48	9.09	9.35	9.31	11.06	10.81	8.02	641	9.02	9.28
LOWER CENTER POINT	880	5.01	6.63	5.93	6.52	6.73	6.57	7.05	7.43	6.80	880	7.73	6.83
MISCELLANEOUS	1,444	5.37	5.08	5.72	5.78	5.84	5.95	6.01	5.93	4.95	1444	6.18	6.46
TOTALS	309,880	4.92	4.56	5.09	5.75	5.53	5.51	5.43	6.05	5.19	310447	6.04	5.50

ACREAGE TABLE WAS REVISED IN 1947 & 1956

* FRANKLIN DITCH COMPANY AND MASON CREEK DITCH COMPANY LANDS ONLY. THE BALANCE OF THE LAND UNDER THE CALDWELL HIGH LINE ARE IRRIGATED

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

FOR EACH IRRIGATION SEASON FROM 1947

	1952	1953	1954	1955	ACRES IRRIGATED	1956	1957	1958	1959	1960	1961	1962
1	5.25	5.11	5.75	4.81	164824	5.94	5.32	5.50	5.26	6.08	4.69	5.28
18	6.40	5.52	6.50	5.80	321	7.26	6.83	6.71	6.89	7.46	7.72	7.92
4	3.68	4.13	5.20	3.96	1057	4.45	3.51	3.48	3.68	3.95	3.73	3.80
50	6.42	6.61	7.21	6.22	26747	6.68	6.58	6.31	6.46	6.69	5.41	6.61
35	4.27	4.06	4.50	3.93	12282	4.48	3.89	4.10	4.32	4.51	3.75	4.33
94	5.36	4.94	4.88	4.63	1799	5.20	5.31	5.05	5.66	5.76	5.77	6.22
22	2.70	2.50	3.15	2.75	2603	2.92	2.47	2.14	2.28	2.50	2.53	2.56
70	5.10	5.06	5.53	4.94	1828	5.40	5.10	5.15	5.18	5.46	5.18	5.18
10	5.52	5.61	6.12	5.62	8900	6.54	5.34	5.69	5.90	6.11	4.96	5.71
18	7.11	8.40	8.73	7.03	2729	8.12	7.74	7.92	8.94	8.65	7.25	8.58
59	6.08	6.59	8.63	6.18	688	7.71	6.45	7.34	7.21	7.53	6.08	7.02
52	5.49	6.31	6.58	5.95	3099	6.43	6.06	6.48	6.88	6.94	5.53	6.27
98	6.87	7.68	8.96	7.08	763	7.96	7.08	7.45	7.78	9.55	6.91	7.49
81	5.51	5.69	5.90	4.20	5182	5.75	5.72	5.87	5.18	5.39	4.59	4.91
97	4.71	4.86	5.04	4.23	4400	4.90	4.97	5.00	4.42	4.60	3.91	4.19
51	9.06	8.60	9.54	8.33	1286	9.77	9.70	10.10	11.50	8.93	8.50	8.72
81	6.08	5.98	6.48	5.46	4007	6.46	6.03	6.06	6.01	6.02	5.57	6.45
84	6.35	6.16	6.07	5.18	2637	6.37	6.49	6.75	6.84	6.88	6.05	6.84
85	4.86	4.42	5.04	4.53	24362	4.82	4.39	4.58	4.86	5.83	4.63	4.80
18	5.81	5.92	6.56	5.95	1800	5.57	5.83	7.22	6.05	6.56	4.39	4.68
3.76	3.37	4.00	4.88	3.89	3960	5.18	4.51	4.33	3.80	4.09	3.84	3.63
5.45	6.78	6.67	7.54	6.72	15500	7.19	6.44	6.77	7.10	7.36	5.93	6.41
7.99	7.59	7.51	7.98	7.61	802	7.77	7.91	8.64	9.84	10.22	10.96	10.90
4.83	5.07	5.46	6.08	5.10	646	5.84	3.29	4.65	5.14	5.78	6.05	6.22
6.54	6.43	5.97	6.57	6.34	10645	6.23	5.54	4.72	4.53	4.69	5.04	5.32
0.37	10.39	9.30	12.06	11.60	2030	11.75	9.86	11.63	12.03	12.07	10.97	11.42
9.61	9.25	10.39	11.11	9.72	2625	11.31	10.83	11.30	12.12	12.24	9.67	11.43
9.35	9.31	11.06	10.81	8.02	641	9.02	9.28	9.30	10.09	9.07	8.20	10.54
6.73	6.57	7.05	7.43	6.80	880	7.73	6.83	7.57	8.75	8.82	9.71	9.58
5.84	5.95	6.01	5.93	4.95	1444	6.18	6.46	6.70	6.60	6.65	5.92	6.63
5.53	5.51	5.43	6.05	5.19	310447	6.04	5.50	5.63	5.57	6.15	4.96	5.53

THE BALANCE OF THE LAND UNDER THE CALDWELL HIGH LINE ARE IRRIGATED WITH WATER DIVERTED FROM MASON DRAIN AND 5 MILE CREEK.

SUMMARY TABLE IN SECOND FEET
SHOWING RETURN FLOW TO BOISE RIVER

RETURN FLOW TO ENTIRE RIVER

	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962
APRIL	17	479	712	1003	973	891	757	515	569	614	769	700	570	377	440
MAY	680	1213	1018	1223	1555	1896	1444	905	1124	1569	1110	1562	1079	1007	1254
JUNE	701	1168	1325	1456	1495	1141	1814	1177	1578	1300	1501	1213	1461	998	146
JULY	924	893	1203	1381	1436	1253	1483	1330	1322	1329	1266	1152	1318	878	1143
AUG.	894	765	1195	1362	1205	1307	1325	1211	1441	1337	1288	1484	1510	817	1154
SEPT.	980	832	1112	1296	1495	1367	1507	1349	1347	1338	1425	1379	1442	1096	1299
AVERAGE	699	892	1093	1267	1352	1312	1388	1081	1290	1261	1243	1250	1363	862	1041

RETURN FLOW TO SECTION ONE

JULY	214	282	313	460	411	369	391	379	210	215	214	185	273	153	248
AUG.	350	287	378	426	330	373	385	307	394	254	235	216	352	178	241
SEPT.	310	271	331	355	273	342	457	330	266	245	260	241	292	238	213
AVERAGE	291	280	351	415	345	362	411	338	297	238	236	241	306	193	235

RETURN FLOW TO SECTION TWO

JULY	732	611	860	921	1025	884	1052	951	1112	1114	1052	977	1045	715	895
AUG.	564	478	807	936	875	934	939	904	1047	1083	1052	1138	1158	639	923
SEPT.	679	561	781	936	1202	1025	1050	1019	1061	1093	1155	1138	1150	858	1084
AVERAGE	658	550	816	931	1032	947	1027	958	1073	1097	1090	1101	1117	737	967

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
WILCOLETON 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	40	ROSSI MILL	10
RIDENBAUGH	24	NEEVES	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
THURMAN 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 DECREEED			DEPT. OF REG.
				SEC. FT.	INCHES	FILE NO.	
66-A	4-1-1878	J. S. KRAUS					
129-A	4-1-1897	H. E. PLAIN	BALLANTINE	.80	40	373	
66-C	4-1-1878	J. W. KOLANDER	DRY CREEK	.54	27	373	
66-D	4-1-1878	M. T. GRIFFITH	BALLANTINE	1.40	70	373	
73-A	4-1-1880	GOBLE & SONNER	BALLANTINE	.80	40	373	
75-A	6-1-1880	C. B. FRANK	DRY CREEK	.54	27	373	
135	5-1-1906	H. E. WYMER	DRY CREEK	.816	40.80	380	
66-A	6-1-1882	LED MARSTERS	BALLANTINE	.356	17.80	325	
137	5-1-1909	B. P. WEAVERLING	WARM SPRINGS	1.60	80	324	
138	6-1-1912	WESLEY A. MACE	MACE & MACE	1.60	80	294	
85-C	5-1-1883	WM. HUCKDA	CATLIN & MACE	.40	20	293	
85-D	5-1-1883	C. H. SCHNELZER	DRY CREEK	.203	10.15	321	
85-E	5-1-1883	C. W. MCCLURG	BALLANTINE	.7506	37.53	320	
124-A	5-1-1893	W. O. CHARTERS	DRY CREEK	.35	17.50	319	
85-B	4-1-1883	JACOB BISHAM	DRY CREEK	.825	37.50	318	
77-A	4-15-1882	ROC HELMS	SETTLERS	1.00	50	317	
8-A	4-1-1865	ADOLPH BAHLER	RIVERSIDE IRRIG. DIST.	3.674	183.70	295	
47-A	4-1-1870	ADOLPH BAHLER	BAHLER	.80	40	412	
35-A	6-1-1867	RALPH T. KNIGHT	BAHLER	.80	40	412	
115-A	6-1-1890	ANNA SPENDER	CANYON COUNTY	1.76	88	419	
116-B	6-1-1890	WILLIS B. SPENDER	RIVERSIDE IRRIG. DIST.	.72	36	12-A WISC.	
116-C	6-1-1890	REBECCA BELL	" " "	.10	5	" "	
114-A	5-1-1889	NEIL & PATRICK O'DONNELL	" " "	.40	20	" "	
114-B	5-1-1889	GUS A. BARTH	O'DONNELL & BARTH	1.60	80	466	
77-A	6-1-1881	" "	" "	.80	40	467	
77-B	6-1-1881	CHARLES JURRIES	PARMA DITCH CO.	1.60	80	467	
77-C	6-1-1881	JAMES FINLAY	" " "	.34	17	467	
77-D	6-1-1881	LESTER J. SHIPPY	" " "	.80	40	467	
31-A	6-1-1866	WM. MUSSER	" " "	1.30	65	467	
31-B	6-1-1866	MINNIE & JERRY COUZENS	LAWRENCE & KENNEDY	2.30	115	482	
31-C	6-1-1866	ALBERT C. BOWERMAN	MIDDLETON WATER	.60	30	482	
71-A	4-1-1879	ISLAND HIGHLINE DITCH CO.	LAWRENCE & KENNEDY	1.10	55	482	
137-A	4-1-1910	" " " "		3.00	150	491	
139	4-1-1915	" " " "		7.00	350	491	
75-A	1880	ALBERT LEMP ET AL		10.00	500	491	
29-A	1865	LOUISE SLOMONSON	LARSEN-BAXTER & LEMP	3.20	160	496	
8-B	4-1-1865	FIRST NAT. BANK OF PUEBLO	LEMP DITCH-EAGLE ISLAND	6.00	300	496	
29-B	1865	S. G. HARDY & AMELIA EISLEY	BUBB	1.00	50	497	
51-A	1870	" " " "	BUBB	.50	25	498	
115-A	1890	" " " "	"	1.00	50	498	
9-A	5-1-1875	ROEDEL, EARL F. & OTTO W.	"	.84	42	498	
123-A	4-15-1893	OTTO & MARIE MULLER	INDIAN CREEK	3.20	160	648	
BRIAN	4-1-1910	MCANUS & TEATER	MIDDLETON MILL DITCH	1.60	80		
			HOWTON ISLAND	3.36	1.68		

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	100
9	PIONEER DIXIE	PIONEER DIXIE	7-31-1912			
29	CALDWELL HIGH LINE	CANYON COUNTY	8-26-1918			50
32	DAVIS	DAVIS DITCH	7-15-1919			160
35	PIONEER DIXIE	RIVERSIDE	4-3-1919			
36	CANYON COUNTY	MIDDLETON WATER	4-12-1918	35	6-1-57	
36	HART & DAVIS	SEVEN SUCKERS	9-24-1915			
39	HART & DAVIS	SEVEN SUCKERS	6-12-1918			
48	PIONEER DIXIE	PIONEER DIXIE	9-26-1919			
50	LOWER CEN. POINT	BOWMAN & SWISHER	3-31-1920	19	6-1-65	
51	LOWER CEN. 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	6-1-68	
75	MIDDLETON MILL	CANYON COUNTY	11-25-1924			
76	SETTLERS	SETTLERS	3-12-1925	85-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	4-25-1926			
84	MIDDLETON WATER	FARMERS UNION	3-6-1926	65	6-1-77	
85	UPPER CEN. 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	6-1-60	
127	BOWMAN & SWISHER	LARSEN, BAXTER & LEMP	8-15-1930		6-1-65	
131	EUREKA NO. 2	LOWER CENTER POINT	1-15-1932	89	11-9-63	
140	BALLANTINE	NEW DRY CREEK	4-23-1934	85-B	5-1-83	
141	FISCHER POWER	FISCHER POWER	12-18-1934		7-1-12	
147	MIDDLETON MILL	CANYON COUNTY	1-9-1936		6-1-67	
148	PIONEER DIXIE	UPPER CEN. POINT NO. 1	4-17-1936	96	10-1-87	
151	NEW DRY CREEK	BALLANTINE	2-11-1937		5-1-93	
152	BAHLER DITCH	RIDENBAUGH	5-15-1937		4-1-70	
153	REINHOLD & 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	
151	BALLANTINE	NEW DRY CREEK	5-2-1940	103	6-1-68	32
174	BALLANTINE	NEW DRY CREEK	3-28-1944	103	6-1-68	12
175	RIVERSIDE	EUREKA	4-11-1944		6-1-83	65
176	HAMMON DITCH	HAAS DITCH	4-16-1944		6-1-78	440
179	CATL PUMACE	SEVEN SUCKERS	3-31-1945	51	6-1-61	12
				521	6-1-71	
224	EUREKA #2	BOWMAN & SWISHER	9-3-1954	89	11-9-63	45
227	O'DONNELL		12-17-54	114-A	5-1-69	80
245	EUREKA #2	LOWER CENTER POINT	6-30-58	89	11-9-63	30
243	RIVER	BOISE VALLEY	6-30-58		7-10-21	60
257	O'DONNELL DITCH	PARMA DITCH	10-10-62	114-B	5-1-69	80

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

DATE OF CHANGE	PRIORITY		NO. OF ACRES	QUANTITY IN INCHES	BY WHOM	REMARKS
	NO.	DATE				
4-2-1912	96	10-1-87	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	6-1-57		19	DRAPER & OTHERS	
9-24-1915				52	SHAFFER & OTHERS	
6-12-1918					GEORGE RAMBO	
9-25-1918					JAS. D. RUARK	TO INDIAN CREEK
3-31-1920	19	6-1-55		144	JOHN S. SWISHER	
3-31-1920	20	6-1-55		320	BIRD BOWMAN	
4-24-1920	35	6-1-57		55½	H. G. DUDLEY	FOOTE & WISEMAN
12-2-1920	65	6-1-77	35	30	EDWARD MCCLINTICK	
3-18-1921	31	6-1-56		130	W. KENNEDY	
6-22-1921	31-6	6-1-60		30	MINNIE COUZENS	
12-21-1921	102	6-1-56		10	HARRY SEAVEY	
11-25-1924				25	DETWEED ETC. BANK	
3-12-1925	85-8	4-1-83		50	JACOB BINGHAM	
4-26-1925	8-4	4-1-55	80	40	ADOLPH BAHLER	
4-26-1925	47-A	4-1-70		40	ADOLPH BAHLER	
4-27-1926				36	LEO MARSTERS	
3-4-1926	65	6-1-77		40	J. C. RALPH	
5-7-1926				25	J. C. BRUCE	
6-23-1926	103			32½	IRA E. BARBER	NOT APPROVED BY LITCH & SECRETARY
10-3-1928					CHARLES JURRIES	
3-25-1931	31-A	6-1-56		115	WM. MUSSER	
8-15-1930		6-1-65		40	WM. BAXTER	
1-15-1932	89	11-9-83		35	R. E. MCQUIRE	
4-23-1934	85-6	5-1-83		3	CHAS. H. SCHMELZER	
12-18-1934		7-1-12			FISCHER POWER ONLY	BELOW FAIRVIEW BRIDGE
1-9-1936		6-1-67		10	DORA M. CLIFTON	
4-17-1936	96	10-1-87		75	DORA GREER	LECREED TO AMERICAN CITY
2-15-1937		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	
5-27-1940	103	6-1-88		32½	SID BARBER	
3-28-1944	103	6-1-88		12	FRANK M. RAY	
4-11-1944		6-1-83		65	WILBUR BRESHEARS	
4-15-1944		6-1-75		440	CHARLOTTIE L. ALLEN	
3-31-1945	57	6-1-61		12	IDAHO FISH & GAME DEPT.	
	52)	6-1-71				
9-3-1954	89	11-9-83		45	J. E. HOUSTON	
12-17-54	114-A	5-1-89		80	ARNOLD C. CRAWFORTH	TO BE PUMPED FROM THE RI
6-30-58	89	11-9-83		30	J. E. EKBERG	
6-30-58		7-15-21		60	MARIE ECHEVERRIA & J. N. KESSINGER	LICENSED WATER RIGHT #17
10-10-62	114-8	5-1-89		80	BERT L. TREDWAY	O'DONNELL DITCH WASHED AW

OF DIVERSION OF DECREEED RIGHTS ON BOISE RIVER

CHART NO. 22

QUANTITY IN INCHES	BY WHOM	REMARKS
50	THOS. T. JOHNSTON	
	ALBERT F. CLEMONS	
100	J. C. HUGHES	
19	ED DAVIS	
52	REBECCA BELL	
	CRAPER & OTHERS	
	SHAFFER & OTHERS	
	GEORGE RAMBO	
144	JAS. D. RUARK	TO INDIAN CREEK
320	JOHN S. SWISHER	
55 1/2	BIRD BOWMAN	
30	H. G. DUDLEY	FOOTE & WISEMAN
130	EDWARD MCCLINTICK	
30	W. KENNEDY	
10	MINNIE COUZENS	
25	HARRY SEAVEY	
50	DETWEED ETC. BANK	
40	JACOB BINGHAM	
40	ADOLPH BAHLER	
36	ADOLPH BAHLER	
40	LEO MARSTERS	
25	J. C. RALPH	
32 1/2	J. C. BRUCE	
	IRA E. BARBER	NOT APPROVED BY DITCH COMPANIES SECRETARY
115	CHARLES JURRIES	
40	WM. MUSSER	
35	WM. BAXTER	
3	R. E. MCQUIRE	
	CHAS. H. SCHMELZER	
10	FISCHER POWER ONLY	BELOW FAIRVIEW BRIDGE
75	CORA M. CLIFTON	
6.75	CORA GREER	DECREE 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 BARBER	
65	FRANK M. RAY	
440	WILBUR BRESHEARS	
12	CHARLOTTIE L. ALLEN	
	IDAHO FISH & GAME DEPT.	
45	J. E. HOUSTON	
80	ARNOLD C. CRAWFORTH	TO BE PUMPED FROM THE RIVER DIRECT
30	J. E. EKKERD	
60	MARIE ECHEVARRIA & I. N. KESSINGER	LICENSED WATER RIGHT #15242 FORMERLY DIVERTED FROM A SLOUGH
80	BERT L. TREDWAY	O'CONNELL DITCH WASHED AWAY

NO. OF TRANS.	POINT OF DIVERSION		PRIORITY		DATE OF TRANSFER	QUANTITY IN INCHES	BY WHOM TRANSFERRED
	FROM	TO	NO.	DATE			
34	SETTLERS	SETTLERS	92	10-17-84	3-16-1909)	15	WALTER S. BRUCE
34	"	"	122	6-1-91	3-16-1909)		
36	AMERICAN DITCH ASSN.	PIONEER DIXIE	96	10-1-87	4-19-1909	100	G. H. ROSENBERG
38	AMERICAN DITCH ASSN.	CANYON DITCH	96	10-1-87	9-1-1909	605	WM. M. MESSLER
45	SETTLERS	SETTLERS			2-5-1910	10	J. E. MOORE
46	BARBER LUMBER CO.	PENITENTIARY	50	6-1-66	2-4-1910	112	BARBER LUMBER CO.
47	AMERICAN DITCH ASSN.	EUREKA NO. 2	96	10-1-87	3-18-1910	1475	AMERICAN DITCH ASSN.
48	AMERICAN DITCH ASSN.	PIONEER DIXIE	96	10-1-87	3-31-1910	210	NICHOLS & COOPER
50	SETTLERS	SETTLERS			6-7-1910	20	J. P. CLECK
62	PIONEER DIXIE	EUREKA NO. 2	96	10-1-87	11-14-1910	50	J. A. CARTRIGHT
71	UPPER CEN. POINT	EUREKA NO. 2	24	6-1-65	3-14-1911	40	J. L. ROLAND
105	SIEBENBERG	CANYON DITCH	9	6-1-65	9-18-1912	25	H. E. NECK
111	EUREKA NO. 2	HILLCREST	96	10-1-87	11-25-1912	60	H. L. RANDALL & O
111	PIONEER DIXIE	HILLCREST	8	9-1-64	11-25-1912)	1017	H. L. RANDALL & O
111	"	"	45	6-1-69)	11-25-1912)		
136	JACOBS	FARMERS UNION	2	6-1-64	6-8-1914	1000	BOISE FRUIT TRACT
219	PIONEER IRR. DIST.	PIONEER IRR. DIST.			7-15-1918	432	PIONEER IRR. DIST.
300	MIDDLETON MILL	DRY CREEK			4-20-1921	17.5	EMMA M. FOWLER
301	MIDDLETON MILL	DRY CREEK			4-20-1921	77	JOHN F. GROOME
347	MIDDLETON MILL	SETTLERS	3	6-1-64	2-6-1925	7	C. E. WHITE
349	MIDDLETON MILL	SETTLERS	3	6-1-64	2-6-1925	7	FRANK WEASEL
350	MIDDLETON MILL	SETTLERS	3	6-1-64	2-6-1925	7	CARL A. LISH
357	MIDDLETON WATER	SETTLERS	65	6-1-77	5-1-1925	10	NELLIE B. WHITAKER
370	BOISE CITY	FARMERS UNION	33	6-1-66	3-16-1926	56.2	HENRY W. BARTLETT
373	BOISE CITY	FARMERS UNION	33	6-1-66	4-26-1926	18.7	L. A. RICE
374	MIDDLETON WATER # 1	FARMERS UNION	65	6-1-77	5-6-1926	20	H. D. PARKS
375	MIDDLETON WATER	FARMERS UNION	65	6-1-77	5-6-1926	10	A. J. WING
384	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	20	MARY F. LEACH
385	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	13.3	H. E. MCCONNELL
386	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	20	H. W. BARTLETT
387	MIDDLETON WATER	FARMERS UNION	65	6-1-77	7-8-1926	20	E. E. SMITH
391	MIDDLETON MILL	FARMERS UNION	3)	6-1-64)	8-13-1926	7.5	RUSH CHASE
			54)	6-1-71)			
392	MIDDLETON WATER	RIDENBAUGH	65	6-1-77	8-21-1926	20	FRED EGGERS
393	MIDDLETON MILL	FARMERS UNION	3)	6-1-54)	9-15-1926	14.4	A. C. BOWERMAN
393	MIDDLETON MILL	FARMERS UNION	54)	6-1-71)			
393	MIDDLETON MILL	FARMERS UNION	120)	6-1-71)			
395	MIDDLETON WATER	FARMERS UNION	65	6-1-77	11-18-1926	25	G. R. MCQUIRE
412	THERMAN	SETTLERS	81	6-1-62	12-2-1927	20	CHAS. P. MACE
430	FARMERS UNION	SETTLERS	65	6-1-77	7-2-1928	12.5	O. E. ALLISON
466	RIDENBAUGH	NEW YORK	106	8-20-86	7-6-1929	445	W. H. TULLER
468	SETTLERS	SETTLERS	65	6-1-77	7-12-1929	5	C. C. WOOD
477	SETTLERS	SETTLERS	92	10-17-84	11-18-1929	10	CHASE N. WALKER
483	SETTLERS	SETTLERS	92	10-17-84	4-7-1930	3	FRANK F. WEASEL
512	JACOBS CANAL	FARMERS UNION	1	6-1-64	5-27-1932	50	W. SCOTT ANDERSON
513	JACOBS CANAL	FARMERS UNION	1	6-1-64	5-27-1932	25	FARMERS UNION DITCH
530	JACOBS DITCH	FARMERS UNION	1	6-1-64	5-15-1934	15	A. B. WHITNEY
542	FARMERS UNION	FARMERS UNION	2	6-1-64	12-31-1934	34.37	FEDERAL LAND BANK
595	JACOBS CANAL	NAMPA-MERIDIAN	1	6-1-64	9-9-1938	10	BOISE TRUST CO.
595	JACOBS CANAL	SETTLERS	1	6-1-64	9-9-1938	10	BOISE TRUST CO.
608	RIVERSIDE	PIONEER DIXIE	88	6-1-83	4-29-1940	50	W. F. TRACY
644	RIVERSIDE	PIONEER DIXIE	88	6-1-83	11-12-1942	35	S. E. SMITH
654	CONSUMERS	SETTLERS	30	5-1-66	10-18-1943	25	W. W. HOWELL
654	CONSUMERS	SETTLERS	30	5-1-66	10-18-1943	50	W. W. HOWELL
654	CONSUMERS	SETTLERS	30	5-1-66	10-18-1943	25	W. W. HOWELL

TRANSFERS OF DECREEED RIGHTS ON BOISE RIVER

CHART NO. 23

<u>QUANTITY IN INCHES</u>	<u>BY WHOM TRANSFERRED</u>	<u>REMARKS</u>
15	WALTER S. BRUCE	
100	C. H. ROSENBERGER	CHANGE IN POINT OF DIVERSION ONLY
605	WM. M. MESSLER	
10	J. E. MOORE	
112	BARGER LUMBER CO.	
1475	AMERICAN DITCH ASSN.	CHANGE IN POINT OF DIVERSION ONLY
210	NICHOLS & COOPER	CHANGE IN POINT OF DIVERSION ONLY
20	J. P. CLEEK	
50	J. A. CARTRIGHT	
40	J. T. ROLAND	CHANGE IN POINT OF DIVERSION ONLY
25	H. E. MEEK	
60	H. L. RANDALL & OTHERS	
1017	H. L. RANDALL & OTHERS	
1000	BOISE FRUIT TRACT CO.	
432	PIONEER IRR. DIST.	LICENSED RIGHT INDIAN CREEK
17.5	EMMA M. FOWLER	
77	JOHN F. GROOME	
7	C. E. WHITE	
7	FRANK WEASEL	
7	CARL A. GISH	
10	NELLIE B. WHITAKER	
56.2	HENRY B. BARTLETT	
18.7	L. A. RICE	
20	H. D. PARKS	
10	A. J. KING	
20	MARY F. LEACH	
13.3	H. E. MCCONNELL	
20	H. W. BARTLETT	
20	E. E. SMITH	
7.5	RUSH CHASE	
20	FRED EULERS	
14.4	A. C. BOWERMAN	
25	G. R. MCQUIRE	
20	CHAS. P. MACE	
12.5	G. E. ALLISON	FORMERLY MIDDLETON WATER
445	W. H. TULLER	
5	C. C. WOOD	
10	CHASE N. WALKER	
3	FRANK P. WEASEL	
50	W. SCOTT ANDERSON	
25	FARMERS UNION DITCH	
15	A. B. WHITNEY	
34.37	FEDERAL LAND BANK	
10	BOISE TRUST CO.	SOMERMEIR
10	BOISE TRUST CO.	FALK
50	W. F. TRACY	
35	S. E. SMITH	
25	W. W. HOWELL	LARSON TRACT
50	W. W. HOWELL	HAMMING TRACT
25	W. W. HOWELL	BUDGE TRACT

NO. OF TRANSFER	POINT OF DIVERSION		PRIORITY		DATE OF TRANSFER	QUANTITY IN INCHES	BY WHOM TRANSFERRED
	FROM	TO	NO.	DATE			
660	RIVERSIDE	PIONEER DIXIE	88	6-1-63	4-11-1944	30	D. W. BALDWIN
694	CONSUMERS	SETTLERS	30	5-1-66	4-29-1946	8	W. W. HOWELL
694	"	"	30	5-1-66	4-29-1946	6	"
694	"	"	30	5-1-66	4-29-1946	7	"
701	"	"	30	5-1-66	4-29-1946	13	"
702	"	NEW YORK	30	5-1-66	12-20-1946	100	"
712	"	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	"
713	"	"	30	5-1-66	6-14-1947	25	"
717	"	"	30	5-1-66	6-14-1947	27	"
720	STEBENBERG	NEW DRY CREEK	9	6-1-65	11-25-1947	32	R. W. TUCKER
720	CONSUMERS	FARMERS CO-OP	30	5-1-66	5-4-1948	10	W. W. HOWELL
720	"	SETTLERS	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 SERVICE
736	CONSUMERS	"	30	5-1-66	3-9-1949	55	W. W. HOWELL
739	"	"	30	5-1-66	4-2-1949	7.5	"
753	"	"	30	5-1-66	4-14-1950	23	J. R. FIELD
754	"	"	30	5-1-66	4-14-1950	20	J. R. FIELD
750	"	MIDDLETON MILL	30	5-1-66	4-14-1950	20	"
790	HILLCREST	NEW YORK	8	9-1-64	3-28-1952	1000	FOREST SOWER
790	"	"	45	6-1-69	3-28-1952	17	"
790	"	"	96	10-1-87	3-28-1952	60	"
823	CONSUMERS	"	30	5-1-66	7-13-1954	300	G. S. TAYLOR
829	"	SETTLERS	30	5-1-66	9-3-1954	24	"
871	THURMAN MILL	"	36	6-1-68	10-2-1956	14.4	J. FRANK BRYCE
872	"	"	36	6-1-68	10-2-1956	11	GEDDIE D. KEYSER, J
873	CONSUMERS	"	30	5-1-66	10-2-1956	10	G. S. TAYLOR
890	"	"	30	5-1-66	7-11-67	5	FRANCIS H. NEITZEL
906	"	"	30	5-1-66	4-3-58	5	"
917	"	"	30	5-1-66	12-15-58	10	"
918	"	"	30	5-1-66	12-15-58	1.25	"
940	"	"	30	5-1-66	2-15-60	2.5	"
976	"	NEW YORK	30	5-1-66	1-17-62	75	G. S. TAYLOR
977	"	SETTLERS	30	5-1-66	1-17-62	10	"
979	"	"	30	5-1-66	2-23-62	5	"
980	"	"	30	5-1-66	2-23-62	6	"
989	"	"	30	5-1-66	5-29-62	10	"
990	"	"	30	5-1-66	7-5-62	4	"
991	"	"	30	5-1-66	7-5-62	8	"

TRANSFERS OF DECREEED RIGHTS ON BOISE RIVER

CHART NO. 23-A

CHAR

QUANTITY IN INCHES	BY WHOM TRANSFERRED	REMARKS
30	D. W. BALDWIN	
8	W. W. HOWELL	KENNETH O. EARL
6	"	L. R. FEWES
7	"	D. G. STARK
13	"	G. W. KYLE
100	"	REX JENSON (BOISE-KUNA IRRIG. DIST.)
30	"	MRS. EDITH CURTIS
10	"	CLYDE SIMPSON
10	"	JOHN DEMOND
25	"	LEN SIMPSON
27	"	J. S. BEEBE
32	R. M. TUCKER	
10	W. W. HOWELL	W. E. EOTY
10	"	TOM ERQUIAGA
7	"	LOUIS ODERMOTT
10	"	W. H. CALDWELL
20	"	NORMAN C. STEELE
10	"	GEORGE BERT ROYLANCE
50	AIRCRAFT SERVICE CO.	
55	W. W. HOWELL	
7.5	"	
23	J. R. FIELD	8" HAGER TRACT, 15" KIMBLE TRACT
20	J. R. FIELD	BRINK TRACT
1000	FOREST SOWER	
17	"	
60	"	
300	G. S. TAYLOR	BOISE- KUNA IRRIGATION DIST.
24	"	10" TO THE GOLDEN KENT TRACT AND 14" TO THE ELMUND BUCKLEY TRACT
14.4	J. FRANK BRYCE	
11	GEORGE D. KEYSER, JR.	
10	G. S. TAYLOR	THEODORE L. JOHNSON TRACT
5	FRANCIS H. NEITZEL	R. S. POTTER TRACT
5	" "	R.W. WHITE TRACT
10	" "	EDWARD C. MAW & F. LEROY SPRAGUE TRACT
1.25	" "	H. P. IRBY TRACT
2.5	" "	EARL M. & DELLA LUKEHART TRACT
75	G. S. TAYLOR	SYMS FRUIT RANCH, INC.
10	"	EVERETT RAMBO TRACT
5	"	R. E. DAISY M. THOMPSON TRACT
6	"	CHESNEY LITTLE TRACT
10	"	THELION E. CHRISTENSEN TRACT
4	"	LYLE F. TRAPP TRACT
8	"	CHARLES G. HYDE TRACT

REMARKS

KENNETH G. EARL
L. R. FEWES
D. G. STARK
G. W. KYLE
REX JENSON (BOISE-KUNA IRRIG. DIST.)
MRS. EDITH CURTIS
CLYDE SIMPSON
JOHN DEMOND
LEN SIMPSON
J. S. BEEBE

W. E. DOTY
TOM ERQUIAGA
LOUIS ODERMOTT
W. H. CALDWELL
NORMAN G. STEELE
GEORGE BERT ROYLANCE

8" HAGER TRACT, 15" KIMBLE TRACT
BRINK TRACT

BOISE- KUNA IRRIGATION DIST.
10" TO THE GOLDEN KENT TRACT AND 14" TO THE EDMUND BUCKLEY TRACT

THEODORE L. JOHNSON TRACT

R. S. POTTER TRACT
R.W. WHITE TRACT
EDWARD C. MAW & F. LEROY SPRAGUE TRACT
H. P. IRBY TRACT
EARL M. & DELLA LUKEHART TRACT
SYMMS FRUIT RANCH, INC.
EVERETT RAMBO TRACT
R. E. DAISY M. THOMPSON TRACT
CHESNEY LITTLE TRACT
THERION E. CHRISTENSEN TRACT
LYLE F. TRAPP TRACT
CHARLES G. HYDE TRACT

NO.	DATE	NAME	AMOUNT DECREEED		NO.	DATE	NAME	AMOUNT DECREEED	
			SEC.	FT. INCHES					
1.	X6-1-64	THOMAS DAVIS		2.20	110	46.	6-1-69	MASON CREEK DITCH CO.	37.4
2.	X6-1-64	JACOBS CANAL CO.		20.00	1000	47.	X6-1-69	T. W. BOONE	3.1
3.	X6-1-64	MIDDLETON MILL DITCH		12.80	640	48.	6-1-70	W. J. HAMMING	2.4
4.	X6-1-64	THOMAS ANDREWS		3.30	165	49.	6-1-70	PIONEER CANAL	25.7
5.	X6-1-64	CATLIN & MACE		2.86	143	50.	6-1-69	BARBER LUMBER CO.	2.2
6.	X6-1-64	T. C. CATLIN		3.30	165	51.	X6-1-70	THOMAS ANDREWS	1.3
7.	X6-1-64	C. C. NAVIRE		3.30	165	52.	6-1-71	CATLIN & MACE	7.8
8.	X6-1-64	PIONEER DIXIE DITCH CO.		20.00	1000	53.	6-1-71	PETER MEEVES	1.8
9.	X6-1-65	STEDENBERG 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.		13.75	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	RITCHENBAUGH & ROSSI		9.20	460	61.	6-1-76	EDWARD & MARY CLARK	2.30
17.	X6-1-65	RITCHENBAUGH & ROSSI (POWER)		265.80	13290	62.	6-1-76	JOHN CECIL	.44
18.	X6-1-65	DENVER & ISLAND LAKE CO.		.80	40	63.	6-1-77	THOMAS AIKENS	5.20
19.	X6-1-65	MARTHA BOWMAN		2.88	144	64.	6-1-77	W. 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	G. 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	NAMPA-MERIDIAN 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	DRAPEL & WELLS		3.94	197	70.	X6-1-78	CHARLES ALLEN	8.80
26.	X6-1-65	THOMAS J. PALMER		1.60	80	71.	X6-1-78	R. H. STOCKTON	4.40
27.	X6-1-65	NOAH W. PALMER		1.56	78	72.	6-1-79	NEW DRY 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.	10-20-80	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.		15.80	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 WOODMAN		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, FILLEY & ROSS		8.54	427	84.	6-1-82	ANDREW J. JOPLIN	2.06
40.	6-1-68	S. S. GRAY		1.40	70	85.	6-1-82	JAMES E. GRAHAM	2.20
41.	X6-1-69	JOHN MAMMON		1.50	90	86.	X6-1-83	FARMERS COOP. DITCH	20.00
42.	6-1-69	ISAAC DECAL		1.60	80	87.	6-8-83	FRANCIS M. JOPLIN	.90
43.	X6-1-69	FREDERICK 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.		35.84	1772	90.	6-1-84	PIONEER IRRIG. DIST.	53.10

X INDICATES RIGHTS SUPPLIED BY RETURN FLOW TO RIVER

	AMOUNT DECREED		NO.	DATE	NAME	AMOUNT DECREED	
	SEC. FT.	INCHES				SEC. FT.	INCHES
EEK DITCH CO.	37.20	1860	91.	X6-1-84	RIVERSIDE IRRIG. DIST.	20.00	1000
ONE	3.50	175	92.	10-17-84	SETTLERS CANAL CO.	99.06	4953
AMING	2.60	130	93.	6-1-86	NEW DRY CREEK DITCH	15.22	761
CANAL	25.72	1266	94.	6-1-86	THOMAS DAVIS	13.40	670
LAUREL CO.	2.24	112	95.	X1-23-87	WM. C., L. & E. YOUNG	4.00	200
INTERIENS	1.30	65	96.	X10-1-87	AMERICAN DITCH ASSOC.	47.80	2390
A. MACK	7.65	393	97.	6-1-88	NEW DRY CREEK DITCH CO.	7.86	393
LEVED	1.80	90	98.	6-1-88	A. V. LINDER	4.00	200
ON HILL DITCH CO.	33.70	1685	99.	6-1-88	LEVI SMITH	1.30	65
ARYAN	.70	35	100.	6-1-88	CHARLOTTE CALHOUN	1.40	70
ARYAN	1.40	70	101.	6-1-88	ED. J. LINDER	1.46	73
DAVIS	4.10	220	102.	6-1-88	LIZZIE EVERETT	1.20	60
N. HART	3.40	165	103.	6-1-88	JESSIE WILSON	1.40	70
DOVE	2.20	110	104.	X6-1-88	THOMAS ANDREWS	.90	45
COOPERATIVE DITCH CO.	10.00	500	105.	X7-1-88	FARMERS CO-OP DITCH CO.	50.00	2500
& MARY CLARK	2.30	115	106.	8-20-88	NAMPA-MERIDIAN IRRIG. DIST.	370.84	18542
ECIL	.44	22	107.	5-1-89	CHAS. S. MILLER	.06	3
ATKENS	5.20	260	108.	5-1-89	LOMMIS S. HOSELEY	.02	1
CONWAY	.90	45	109.	5-1-89	S. J. UTTER & C. B. TAYLOR	2.40	120
TON WATER CO.	111.98	5794	110.	5-1-89	SOUTH BOISE MUTUAL IRRIG. CO.	6.00	300
ALT & JOHNSON (POWER)	207.00	10000	111.	5-1-89	ESTATE OF J. H. GALLAGHER	2.94	147
AMERICAN IRRIG. DIST.	170.00	8500	112.	5-1-89	ANNA H. FOGARTY	.05	2
MAHON	4.20	210	113.	5-1-89	GRACE CALL	.10	5
MAHON	3.36	168	114.	5-1-89	SAMUEL H. CANFIELD	.03	1
ES ALLEN	6.80	440	115.	6-1-89	SONORA JOPLIN	.06	3
STOCKTON	1.40	220	116.	6-1-89	SONORA JOPLIN	1.20	60
RY CREEK DITCH CO.	31.32	1566	117.	9-1-90	PIONEER IRRIG. DISTRICT	200.00	10000
AMFORD	4.00	200	118.	6-1-91	W. H. CONWAY	2.20	110
STOCKTON	1.76	88	119.	6-1-91	THOMAS DAVIS	.54	27
JOPLIN	2.40	120	120.	6-1-91	MIDDLETON MILL DITCH CO.	17.00	850
PH GOBLE	.90	45	121.	X6-1-91	THOMAS ANDREWS	3.50	175
KLIN DITCH CO.	27.60	1380	122.	6-1-91	SETTLERS CANAL CO.	73.44	3672
N. V. WEBSTER	.90	45	123.	6-1-91	THOMAS ATKIN	.80	40
E CAMPBELL	.60	30	124.	X5-1-93	RIVERSIDE IRRIG. DIST.	80.00	4000
W. BANDER	1.60	80	125.	X6-1-94	R. H. STOCKTON	1.76	88
KA JOPLIN	3.40	170	126.	7-2-94	FARMERS UNION DITCH CO.	110.00	5500
L. HUTCHINSON	.44	22	127.	5-1-95	CHARLES REIN & JANE KEOGH	1.00	50
ISON	.44	22	128.	7-1-95	MATHEW CASEY	.66	33
NEW J. JOPLIN	2.06	143	129.	X7-1-96	FARMERS COOP. DITCH CO.	83.50	4175
IS L. GRAHAM	2.20	110	130.	X10-1-99	RIVERSIDE IRRIG. DIST.	20.00	1000
HERS COOP. DITCH	20.00	1000	131.	3-23-00	NEW YORK CANAL CO.	219.10	10955
ALIS M. JOPLIN	.90	45	132.	X5-17-00	CANYON DITCH CO.	10.00	500
A. BLACK	12.00	600	133.	X6-1-01	RIVERSIDE IRRIG. DIST.	70.00	3500
ENA DITCH CO. NO. 2	21.70	1085	134.	X10-25-01	CANYON DITCH CO.	5.54	277
NEEN IRRIG. DIST.	53.10	2655	135.	4-1-04	PIONEER IRRIG. DIST.	56.34	2817

A. V. TALLMAN
IRRIG. ENGR.

DECREED 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
1286	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.	7.86	393
90	98.	6-1-88	A. V. LINDER	4.00	200
1685	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
5794	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. FOWARTY	.05	2
210	113.	5-1-89	GRACE CALL	.10	5
168	114.	5-1-89	SAMUEL H. DANFIELD	.03	1
440	115.	6-1-89	SONORA JOPLIN	.06	3
220	116.	6-1-89	SONORA JOPLIN	1.20	60
1566	117.	9-1-90	PIONEER IRRIG. DISTRICT	200.00	10000
200	118.	6-1-91	W. H. CONWAY	2.20	110
86	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
1380	122.	6-1-91	SETTLERS CANAL CO.	73.44	3672
45	123.	6-1-91	THOMAS AIKEN	.80	40
30	124.	X5-1-93	RIVERSIDE IRRIG. DIST.	80.00	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 REIN & 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.	X5-17-03	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
2656	135.	4-1-04	PIONEER IRRIG. DIST.	56.34	2817

STEWART AND BRYAN DECREEES GROUPED UNDER CAVAL HEADINGS

CHART NO. 25

CHANGE IN			PRIORITY		STEWART	INTERVENORS		BRYAN	INCHES	TOTAL
NAME OF CAVIL	P. OF E.	TRANSFER	NO.	DATE	DECREE	DECREE	DECREE	DECREE		SEC. FT.
NEW YORK			131	3-23-1900	219.10				10955	
				3-23-1900				58.86	2943	
				12-14-1903				1354.58	67729	
				6-16-1909				926.50	46325	
		111	8	6-1-1864	20.34				1017	
			45	6-1-1869						
		111	96	10-1-1887	1.20				60	
		465	106	8-20-1888	8.90				415	
		701	30	5-1-1886	2.00				100	2591.48
		823	30	5-1-1886	6.00				300	2597.48
		976	30	5-1-1886	1.50				75	2598.98
CAPPA & MERIDIAN			67	5-1-1878	170.00				8500	
			106	8-20-1888	370.84				18542	
		392	65	6-1-1877	.40				20	
	152		47-A	4-1-1870			.80		40	
	153		127	5-1-1895	1.00				50	
	154		8-A	4-1-1855			.80		40	
		460*	106	8-20-1888	8.90*				445*	
		595	1	6-1-1864	.20				10	535.14
ALSB (SOUTH BRIDGE)			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	2.04				147	
			112	5-1-1889	.05				2	
			113	5-1-1889	.10				5	
			114	5-1-1889	.03				2	
			9-3	4-1-1865			1.80		90	
			29-3	4-1-1865			.50		25	
			51-A	1870			1.00		50	
			116-A	4-1-1889			.04		42	
				4-1-1905				5.40	270	21.14
									90	1.80
NEEVES			53	6-1-1871	1.80					
									460	
ROSET WILL			16	6-1-1865	9.20				40	10.00
			13	6-1-1865	.80					
									175	3.50
MANVILLE-LEONARD			32	6-1-1886	3.50					
									670	13.40
DAVIS			94	6-1-1886	13.40					
									27	.54
LITTLE DAVIS			189	6-1-1891	.54					

* SUBTRACT

STEWART AND BRYAN DECREE 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.
BETTLERE			92	10-17-1884	99.06			49.53	
			122	6-1-1891	73.44			36.72	
		347	3	6-1-1864	.14			7	
		349	3	6-1-1864	.14			7	
		350	3	6-1-1864	.14			7	
		357	65	6-1-1877	.20			10	
		412	81	6-1-1882	.40			20	
	76		85-B	4-1-1883		1.00		50	
	83		85-A	6-1-1882		.72		36	
		430	65	6-1-1877	.25			12.5	
		595	1	6-1-1864	.20			10	
		654	30	5-1-1866	.50			25	
		654	30	5-1-1866	1.00			50	
		654	30	5-1-1866	.50			25	
		654	30	5-1-1866	.16			8	
		654	30	5-1-1866	.12			6	
		654	30	5-1-1866	.14			7	
		654	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	1.34			67	
		736	37	6-1-1868	1.00			50	
		737	30	5-1-1866	1.10			55	
		739	30	5-1-1866	.15			7.5	
		753	30	5-1-1866	.46			23	183.92
		829	30	5-1-1866	.48			24	184.40
		871	36	6-1-1868	.288			14.4	
		872	36	6-1-1868	.22			11	184.908
		873	30	5-1-1866	.20			10	185.108
		880	30	5-1-1866	.10			5	185.208
		906	30	5-1-1866	.10			5	
		917	30	5-1-1866	.20			10	
		918	30	5-1-1866	.025			1.25	185.533
		940	30	5-1-1866	.05			2.5	185.583
		977	30	5-1-1866	.20			10	
		979	30	5-1-1866	.10			5	
		980	30	5-1-1866	.12			6	
		980	30	5-1-1866	.20			10	
		990	30	5-1-1866	.08			4	
		991	30	5-1-1866	.16			8	186.393
TERRAN WILL			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	10-23-1880	.90			45	
			76	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
		871*	36	6-1-1868	.288*			14.4*	
		872*	36	6-1-1868	.22*			11*	35.652

CHAPT NO. 21-B

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		STEWART DEGREE	INTERVENORS		INCHES	TOTAL SEC. FT.
			NO	DATE		STEWART DEGREE	BRYAN DEGREE		
PENITENTIARY	46		50	6-1-1866	2.24			112	2.24
CRUZEN (CONSUMERS)								2500	
			30	5-1-1866	50.00			25*	
		654*	30	5-1-1866	.50*			50*	
		654*	30	5-1-1866	1.00*			25*	
		654*	30	5-1-1866	.50*			6*	
		694*	30	5-1-1866	.12*			8*	
		694*	30	5-1-1866	.16*			7*	
		694*	30	5-1-1866	.14*			13*	
		694*	30	5-1-1866	.26*			100*	
		701*	30	5-1-1866	2.00*			30*	
		702*	30	5-1-1866	.60*			10*	
		712*	30	5-1-1866	.20*			10*	
		712*	30	5-1-1866	.20*			25*	
		712*	30	5-1-1866	.50*			27*	43.29
		713*	30	5-1-1866	.54*			67*	41.94
		720*	30	5-1-1866	1.34*			55*	
		737*	30	5-1-1866	1.10*			7.5*	
		739*	30	5-1-1866	.15*			23*	
		753*	30	5-1-1866	.55*			20*	39.83
		753*	30	5-1-1866	.40*			300*	33.83
		754*	30	5-1-1866	6.00*			24*	33.35
		823*	30	5-1-1866	.48*			10*	33.15
		829*	30	5-1-1866	.20*			5*	33.05
		873*	30	5-1-1866	.10*			5*	
		890*	30	5-1-1866	.10*			10*	
		906*	30	5-1-1866	.20*			1.25*	32.725
		917*	30	5-1-1866	.025*			2.5*	32.675
		918*	30	5-1-1866	.05*			75*	
		940*	30	5-1-1866	1.30*			10*	
		976*	30	5-1-1866	.20*			5*	
		977*	30	5-1-1866	.10*			6*	
		979*	30	5-1-1866	.12*			10*	
		980*	30	5-1-1866	.20*			4*	
		989*	30	5-1-1866	.08*			8*	30.315
		990*	30	5-1-1866	.16*				
		991*	30	5-1-1866				1903	
			33	6-1-1866	38.06			56.2*	
BOISE CITY		370	33	6-1-1866	1.124*			18.7*	36.562
		373	33	6-1-1866	.374*				
								5500	
FARMERS UNION			126	7-2-1894	110.00			1000	
			2	6-1-1864	20.00			56.2	
		136	33	6-1-1866	1.124			18.7	
		370	33	6-1-1866	.374			20	
		373	65	6-1-1877	.40			10	
		374	65	6-1-1877	.20			20	
		375	65	6-1-1877	.40			13.3	
		394	65	6-1-1877	.266			20	
		395	65	6-1-1877	.40			20	
		396	65	6-1-1877	.40			20	
		387	3)	6-1-1864				7.5	
		391	54)	6-1-1871	.15				
		391	3	6-1-1864				14.4	
		393	54	6-1-1871	.298				
		393	120	6-1-1891				25	
		393	65	6-1-1877	.50			12.5*	
		395	65	6-1-1877	.25*			40	
		430*	65	6-1-1877	.80			50	
			65	6-1-1864	1.00			25	
			1	6-1-1864	.50			15	
			1	6-1-1864	.30				
				7-2-1894					
	84	512						54.46	191.312
		513						2723	
		530							

STEWART AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

CHART NO. 25-C

NAME OF CANAL	CHANGE IN P. OF U.	TRANSFER	PRIORITY NO.	DATE	AMOUNT DECREE			TOTAL SEC. FT.
					STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE	
BOISE VALLEY LICENSED RIGHT #15242		243	15	6-1-1865	54.58			2729
				7-10-1921				60
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	7.85			393
			125-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		.208		10.15
			85-E	5-1-1883		.35		17.5
			124-A	5-1-1893		.625		41.25
			300	3	6-1-1864			17.5
			300	54	6-1-1871	.35		
			300	120	6-1-1891			
			301	3	6-1-1864			77
			301	54	6-1-1871	1.54		
			301	120	6-1-1891			10
			102	6-1-1888	.20			3
			85-L	5-1-1883		.06		6.75*
			124-A	5-1-1893		.135*		32.5
			103	6-1-1888	.65			12
			103	6-1-1888	.24			27
			30	5-1-1866	.54			61.110
			713					
			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-B	4-1-1878		1.40		70
			66-C	4-1-1878		.80		40
			85-D	5-1-1883		.7506		37.53
			136	5-1-1906		.356		17.8
			65	6-1-1877	.60			30
			102	6-1-1888	.20*			10*
			85-D	5-1-1883		.06*		3*
			124-A	5-1-1893		.135		6.75
			103	6-1-1888	.65*			32.5*
			103	6-1-1888	.24*			12*
								15.25

* SUBTRACT

STEWART AND BRYAN DECREE UNPAID UNDER CANAL HOASPIGS

CHART NO. 25-C

NAME OF CANAL	CHANGE IN F. OF D.	TRANSFER	PRIORITY		INTERVENORS			INCHES	TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	STEWART DECREE	BRYAN DECREE		
WICKLETON WATER			65	6-1-1877	114.00			5704	
	36		35	6-1-1867	.36			19	
	50*		65	6-1-1877	.60*			30*	
	61		31-4	6-1-1866		.60		30	
	84*		65	6-1-1877	.40*			40*	
	126		31-4	6-1-1866		2.30		115	
		352*	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	.200*			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
WICKLETON MILL			3	6-1-1864	12.80			640	
			40	6-1-1868	1.40			70	
			54	6-1-1871	31.70			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				17.5*	
		300*	54	6-1-1871	.35*				
		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	.19*			7.5*	
		393*	3	6-1-1864					
		393*	54	6-1-1871	.200*			14.4*	
		393*	120	6-1-1891					62.562
		754	30	6-1-1866	.40			20	62.562
			123-4	5-15-1893		1.60		80	64.522
PIONEER			40	6-1-1870	25.72			1286	25.72
			31-C	6-1-1866		1.10		55	1.10
LAWRENCE & KOWEY									

*SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-E

NAME OF CANAL	CHANGE IN P. OF D.	TRANSFER	PRIORITY		STEWART DECREE	AMOUNT DECREED			TOTAL SEC. FT.
			NO.	DATE		STEWART DECREE	BRYAN DECREE	INCHES	
CANYON COUNTY			35	6-1-1867	75.80			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
GATLIN & MACE			5	6-1-1864	2.86			143	
			52	6-1-1871	7.86			363	
	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*)				1.04*			52*	9.96
	39*)								
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		1.60		80	
	63*		85-A	6-1-1882		.72*		36*	9.22
JOPLIN			81	6-1-1882	.80			40	
			115	6-1-1889	.06			3	
			116	6-1-1889	1.20			60	2.06
					1.04			52	
SEVEN SUCKERS	38							12	
	39		5)	6-1-1864	.24				1.28
	179		52)	6-1-1871					

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-F

NAME OF CANAL	CHANGE IN P. OF D.	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			2817	
				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			154.45	7722	
		717	9	6-1-1865	.64			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
STIEBENBERG			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			63.75	3185	
				4-1-1914			17.70	885	
								50*	
		608*	88	6-1-1883	1.00*			35*	
		644*	88	6-1-1883	.70*			30*	
		660*	88	6-1-1883	.60*			100	
	35				2.00			85*	290.374
	175*		88	6-1-1883	1.70*				

* SUBTRACT

STEWART AND BRYAN DECREE GROUPED UNDER CANAL MEALINGS

CHART NO. 25-G

NAME OF CANAL	CHANGE IN P. OF C.	TRANSFER	PRIORITY		AMOUNT DECREE			TOTAL SEC. FT.
			NO.	DATE	STEWART DECREE	INTERVENORS STEWART DECREE	BRYAN DECREE INCHES	
PIONEER LIXIE			8	6-1-1864	20.00		1000	
			45	6-1-1869	35.44		1772	
		36	96	10-1-1867	2.00		100	
		48	96	10-1-1867	4.20		210	
		62*	96	10-1-1867	1.00*		50*	
		111*	8)	6-1-1864			1017*	
			45)	6-1-1869	20.34*		50	
		608	88	6-1-1863	1.00		35	
		644	88	6-1-1863	.70		30	
		660	86	6-1-1863	.60		100*	
	35*				2.00*		75*	39.10
	148*		96	10-1-1867	1.50*			
EUREKA NO. 2			89	11-9-1863	21.70		1085	
		47	96	10-1-1867	29.50		1475	
		62	96	10-1-1867	1.00		50	
		71	24	6-1-1865	.90		40	
				6-1-1865	.50		25	
	85			6-1-1865	.50		60*	
		111*	96	10-1-1867	1.20*		35*	
			89	11-9-1863	.70*		5	
	131*			6-1-1865	.10		85	53.40
	159		88	6-1-1863	1.70		45*	52.95
	175		89	11-9-1863	.90*		30*	52.35
	224*		89	11-9-1863	.60*		160	
UPPER CENTER POINT			23	6-1-1865	3.20		120	
			24	6-1-1865	2.40		197	
			25	6-1-1865	3.94		80	
			26	6-1-1865	1.60		70	
			27	6-1-1865	1.58		40*	
		71*	24	6-1-1865	.90*		25*	
				6-1-1865	.50*		75	
	85*			6-1-1865	1.50		5*	12.12
	148		96	10-1-1867	.10*			
	159*			6-1-1865	.10*			
			19	6-1-1865	2.68		144	
			20	6-1-1865	6.40		320	
LOWER CENTER POINT			21	6-1-1865	2.90		145	
			22	6-1-1865	3.20		160	
			38	6-1-1868	3.20		160	
			43	6-1-1869	3.60		180	
			73	6-1-1879	4.00		200	
			19	6-1-1865	2.68*		144*	
	50*			6-1-1865	6.40*		320*	
	51*		20	6-1-1865	.70		35	17.60
	131		88	11-9-1863	.60		30	18.20
	245		89	11-9-1863	.60			
			19	6-1-1865	2.68		144	
			20	6-1-1865	6.40		320	
BOWMAN & SATSER	50		20	6-1-1865	.90*		40*	8.48
	51		20	6-1-1865	.90		45	9.38
	127*		89	11-9-1863			90	
	224						210	
SALMON			41	6-1-1865	4.20		165	
			66	6-1-1870	3.36		440	
			69	6-1-1878	8.80		440*	9.36
			70	6-1-1878	8.80*			
	176*		70	6-1-1878				

* SUBTRACT

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

CHART NO. 25-H

NAME OF CANAL	CHANGE IN F. OF C.	TRANSFER	PRIORITY		AMOUNT DECREED			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
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
LARSEN-BAXTER-LEMP			75-A	1880		3.20		160
			20	6-1-1865	.80			40
BOONE DITCH			28	6-1-1865	7.00			350
			47	6-1-1869	3.50			175
			59	6-1-1874	2.20			110
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
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
			114-B	5-1-1889		.80		40
								11.96
								12.76
O'KENNELL DITCH	227*		114-A	5-1-1889		1.60		80
			114-B	5-1-1889		.80		40
			114-A	5-1-1889		1.60*		80*
			114-B	5-1-1889		.80*		40*
			114-A	5-1-1889		1.60		80
CRAWFORTH PUMP	227		114-A	5-1-1889		1.60		80
								1.60
ROGEL, EARL F. & OTTO B.			59-A	5-1-1875		3.20		160
								160

*SUBTRACT

TABLE SHOWING DECREE 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	50% OF DEGREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
1 THOMAS FAVIS	1	2.30	1.65	1.32		1073.71	1336.36
2 JACOBS CANAL CO. *	1	20.00	20.00	20.00			
3 MIDDLETON MILL FITCH CO.	1	12.80	9.60	7.68		1075.63	1389.56
4 THOMAS ANDERS	3	3.30	2.48	1.98			
5 CATLIN & MACE	1	2.86	2.15	1.72		1076.06	1390.27
6 T. C. CATLIN	1	3.30	2.48	1.98		1076.56	1391.09
7 O. C. HAYES	1	3.30	2.48	1.98		1077.06	1391.91
8 PIONEER ERIE DITCH CO.	2	20.00	15.00	12.00			1396.01
9 ADALPH SAHLER	1	.80	.60	.48		1077.18	1397.11
10 FIRST NAT'L BANK OF PUEBLO	1	1.80	1.35	1.08		1077.45	1397.56
11 STEINBERG	2	13.42	10.07	8.05			1400.91
12 ALLEN V. WEBSTER	1	1.20	.90	.72		1077.63	1401.21
13 J. F. VARYAN	1	.66	.50	.40		1077.73	1401.37
14 GRAHAM & GILBERT	1	4.40	3.30	2.64		1078.39	1402.47
15 EUREKA WATER CO.	1	33.32	24.99	19.99		1083.39	1410.90
16 NEW UNION DITCH CO.	1	13.76	10.32	8.26		1085.45	1414.24
17 BOISE VALLEY IRR. CO.	1	54.58	40.94	32.75		1083.64	1427.88
18 RIDENBAUGH & ROSSI	1	9.20	6.90	5.52		1085.02	1430.18
19 RIDENBAUGH & ROSSI (POWER)	1						
20 DENVER & IDAHO LAND CO.	1	.80	.60	.48		1095.14	1430.38
21 MARTHA SOMMER	2	2.86	2.15	1.73			1431.10
22 BERT SOMMER	2	6.40	4.80	3.84			1432.70
23 G. E. GESS	2	2.40	1.80	1.44			1433.42
24 ROBERT MCQUIRE	2	3.20	2.40	1.92			1434.22
25 C. W. COOPER	2	3.20	2.40	1.92			1435.02
26 J. W. RONLAND	2	2.40	1.80	1.44			1435.62
27 CRAPER & WELLS	2	3.94	2.96	2.36			1436.60
28 THOMAS J. PALMER	2	1.60	1.20	.96			1437.00
29 NOAH W. PALMER	2	1.58	1.19	.95			1437.39
30 J. M. TUCKER	3	7.00	5.25	4.20			
31 THOMAS ANDREWS	3	6.00	4.50	3.60			
32 LOUISE SIMONSON	1	6.00	4.50	3.60		1096.04	1438.69
33 S. G. HARDY & AMELIA L. LILEY	1	.50	.38	.30		1096.12	1439.04
34 J. PERRELL & R. JOHNSON*	1	50.00	50.00	50.00			
35 WILLIAM P. KENNEDY	1	2.60	1.95	1.56		1096.51	1439.66
36 M. WISSER	1	2.30	1.73	1.38		1096.86	1440.23
37 MINNIE & JERRY O'NEALS	1	.60	.45	.36		1096.95	1440.38
38 ALBERT C. GONERMAN	1	1.10	.83	.66		1097.12	1440.65
39 MANVILLE & LEONARD	1	3.50	2.63	2.10		1097.65	1441.52
40 BOISE CITY CANAL CO.	1	36.06	28.55	22.83		1103.37	1451.03
41 FRANKLIN FITCH CO.	1	15.40	11.55	9.24		1105.68	1454.88
42 CANYON COUNTY WATER CO.	1	75.80	56.85	45.48		1117.05	1473.83
43 RALPH T. KNIGHT	1	1.76	1.32	1.06		1117.31	1474.27
44 MARTHA E. MCCARTHY	1	14.10	10.58	8.46	8.46	1119.43	1477.79
45 H. F. & ORA WOODMAN	1	3.70	2.78	2.22	10.68	1119.99	1478.71
46 T. T. JOHNSON	2	3.20	2.40	1.92			1479.51
47 ROSS, ALLEN, TILLEY & ROSS	3	8.54	6.41	5.12	11.52	1120.20	1479.86
48 S. S. GRAY	1	1.40	1.05	.84			
49 JOHN HANSON	3	1.80	1.35	1.08		1120.44	1480.26
50 ISAC BEAL	1	1.60	1.20	.96	12.48		1481.16
51 FREDERICK ODE	2	3.60	2.70	2.16			
52 PRIOR BURNETT	3	8.50	6.38	5.10			1490.02
53 PIONEER ERIE DITCH CO.	2	35.44	26.58	21.26	34.90	1126.02	1499.32
54 WILSON CREEK DITCH CO.	1	37.20	27.90	22.32			
55 T. W. BOONE	3	3.80	2.85	2.28	35.28	1126.14	1499.52
56 ADALPH SAHLER	1	.80	.60	.48	36.84	1126.53	1500.17
57 W. J. HAMMOND	1	2.60	1.95	1.56	52.27	1130.39	1506.60
58 PIONEER CANAL	1	25.72	19.29	15.43	53.61	1130.73	1507.16
59 BARBER LEASER CO.	1	2.24	1.68	1.34			

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

TABLE SHOWING IRRIGATED FLUMES (STEWART DEGREE) & FLOW IN SECOND FEET

CHART NO. 26-A

NECESSARY AT FLOODING DAY 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%
51. THOMAS ANDREWS	3	1.30	.98	.78			
51A S. G. HARTLEY & AMELIA FISLEY	1	1.00	.75	.60	54.21	1130.98	1507.41
52. CATLIN & NACE	1	7.86	5.90	4.72	58.93	1132.06	1509.37
53. PETER MEEVES	1	1.80	1.35	1.08	60.01	1132.33	1509.82
54. MIDDLETON MILL DITCH CO.	1	33.70	25.28	20.22	80.23	1137.39	1518.24
55. J. F. VARYAN	1	.70	.53	.42	80.35	1137.50	1518.41
56. J. F. VARYAN	1	1.40	1.05	.84	81.49	1137.71	1518.76
57. MARY C. DAVIS	1	4.40	3.30	2.64	81.13	1138.37	1519.86
58. EDWARD N. HART	1	3.30	2.48	1.98	86.11	1138.87	1520.68
59. T. W. BOONE	3	2.20	1.65	1.32			1523.18
60. FARMER'S COOP. DITCH CO.	2	10.00	7.50	6.00			1523.75
61. EDWARD & MARY CLARK	1	2.30	1.73	1.38	87.49	1139.22	1523.85
62. JOHN CECIL	1	.44	.33	.26	87.75	1139.29	1525.16
63. THOMAS ATKIN	1	5.20	3.90	3.12	90.87	1140.07	1525.38
64. W. H. CONWAY	1	.90	.68	.54	91.41	1140.21	1525.90
65. MIDDLETON WATER CO.	1	114.08	85.56	68.45	159.86	1157.32	1553.90
66. BERRAULT & JOHNSON (POWER)							
66A J. S. KLAUS	1	.80	.60	.48	130.34	1157.44	1554.10
66B J. S. KLAUS	1	1.40	1.05	.84	151.18	1157.65	1554.45
66C M. T. GRIFFITH	1	.80	.60	.48	151.56	1157.77	1554.65
67. NAMPA, MERIDIAN IRRIG. DIST.	1	170.00	127.50	102.00	263.66	1183.27	1597.15
68. JOHN MAMMON	3	4.20	3.15	2.52			
69. JULIA MAMMON	3	3.36	2.52	2.02			
70. CHARLES ALLEN	3	8.80	6.60	5.28			
71. R. H. STOCKTON	3	4.40	3.30	2.64			
71A ISLAND HIGHLINE DITCH CO.	3	3.00	2.25	1.80			
72. NEW CRY CREEK DITCH CO.	1	31.32	23.49	18.79	282.45	1187.97	1604.98
73. L. MUMFORD	2	4.00	3.00	2.40			1605.98
73A GABLE & SONGER	1	.54	.41	.32	282.77	1188.06	1606.11
74. SMITH STOCKTON	3	1.76	1.32	1.06			
75. ISHAM JOPLIN	1	2.40	1.80	1.44	284.21	1188.42	1606.71
75A C. B. FRANK	1	.915	.61	.49	284.70	1188.54	1606.92
75A ALBERT LEMP ET AL	3	3.20	2.40	1.92			
76. JOSEPH GABLE	1	.90	.68	.54	285.24	1188.68	1607.14
77. FRANKLIN DITCH CO.	1	27.60	20.70	16.56	301.80	1192.82	1614.04
77A JUS 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			1614.95
77E ROD HELMS	2	3.674	2.76	2.20			
78. ALLEN V. WEBSTER	1	.90	.68	.54	302.34	1192.96	1615.17
79. SUSIE CAMPBELL	1	.60	.45	.36	302.70	1193.05	1615.32
80. J. T. BARETT	1	1.60	1.20	.96	303.66	1193.29	1615.72
81. SONORA JOHNSON	1	3.40	2.55	2.04	305.70	1193.60	1616.57
82. S. W. HUTCHINSON	1	.44	.33	.26	305.96	1193.87	1616.68
83. JOHNSON	1	.44	.33	.26	306.22	1193.94	1616.79
84. ANDREW J. JOPLIN	1	2.86	2.15	1.72	307.24	1194.27	1617.50
85. JAMES L. GRAHAM	1	2.20	1.65	1.32	309.26	1194.70	1618.35
85A LED MARSTERS	1	1.60	1.20	.96	310.22	1194.94	1618.45
85B JACOB BINGHAM	1	1.00	.75	.60	310.82	1195.09	1618.70
85C WM HUCKBA	1	.203	.15	.12	310.94	1195.12	1618.75
85D C. H. SCHMELZER	1	.7506	.56	.45	311.39	1195.23	1618.94
85E C. W. MCCLURG	1	.35	.26	.21	311.60	1195.28	1619.03
86. FARMER'S COOP. DITCH	2	20.00	15.00	12.00			1624.03
87. FRANCIS M. JOPLIN	1	.90	.68	.54	312.14	1195.42	1624.25
88. W. A. BLACK	2	12.00	9.00	7.20			1627.25
89. EUREKA DITCH CO. NO. 2	2	21.70	16.28	13.02			1632.67
90. PIONEER IRRIG. DIST.	1	53.10	39.83	31.86	341.00	1203.39	1645.94

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

CHART NO. 26-0

NECESSARY AT DIVERSION DAM TO FILL SAME

NAME	RIVER SECTION	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
91 RIVERSIDE IRRIG. DIST	2	20.00	15.00	12.00			1650.94
92 SETTLERS CANAL CO.	1	99.06	74.30	59.44	403.44	1218.25	1675.70
93 NEW DRY CREEK CO.	1	15.22	11.42	9.13	412.57	1220.54	1679.50
94 THOMAS DAVIS	1	13.40	10.05	8.04	420.51	1222.55	1682.85
95 WM. E., L. & E. YOUNG	2	4.00	3.00	2.40			1683.85
96 AMERICAN DITCH ASSOC.	2	47.80	35.85	28.68			1695.80
97 NEW DRY CREEK DITCH	1	7.86	5.90	4.72	425.33	1223.73	1697.76
98 A. V. LINDER	1	4.00	3.00	2.40	427.73	1224.33	1698.76
99 LEVI SMITH	1	1.30	.98	.78	428.51	1224.53	1699.08
100 CHARLOTTE CALHOUN	1	1.40	1.05	.84	429.35	1224.74	1699.43
101 ED J. LINDER	1	1.46	1.10	.88	430.23	1224.96	1699.79
102 LIZZIE EVERETT	1	1.20	.90	.72	430.95	1225.14	1700.09
103 JESSIE WILSON	1	1.40	1.05	.84	431.79	1225.35	1700.44
104 THOMAS ANDREWS	3	.90	.68	.54			1712.94
105 FARMERS COOP. DITCH	2	50.00	37.50	30.00			1803.42
106 NAMPA MERIDIAN IRR. DIST.	1	361.94	271.46	217.16	648.95	1279.65	1805.65
106 BOARD OF CONTROL	1	8.90	6.67	5.34	654.29	1280.98	1805.66
107 CHARLES S. MILLER	1	.06	.05	.04	654.23	1280.99	1805.67
108 LAMMIS L. HOSLEY	1	.02	.015	.01	654.24	1280.99	1805.67
109 S. J. UTTER & C. B. TAYLOR	1	2.40	1.80	1.44	655.78	1281.35	1806.27
110 SOUTH BOISE MUTUAL IRR. CO.	1	6.00	4.50	3.60	659.38	1282.25	1807.77
111 ESTATE OF J. H. GALLAGHER	1	2.94	2.21	1.76	661.14	1282.70	1808.50
112 ANNA H. FOGARTY	1	.05	.04	.03	661.17	1282.71	1808.51
113 GRACE CALL	1	.10	.08	.06	661.23	1282.73	1808.53
114 SAMUEL H. CANFIELD	1	.03	.02	.02	661.25	1282.73	1808.54
114A NEIL & PATRICK O'DONNELL	3	1.80	1.20	.96			1808.55
114B GUS A. BARTH	3	.80	.60	.48			1808.85
115 SONDRA JOPLIN	1	.06	.05	.04	661.29	1282.74	1809.06
116 SONDRA JOPLIN	1	1.20	.90	.72	662.01	1282.92	1809.24
116A S. G. HARDIES & AMELIA EISLEY	1	.84	.63	.50	662.51	1283.05	1809.26
116A ANNA SPENCER	2	.72	.54	.43			1809.36
116B WILLIS SPENCER	2	.10	.08	.06			1809.36
116C REBECCA BELL	2	.40	.30	.24			1809.36
117 PIONEER IRR. DIST.	1	200.00	150.00	120.00	782.51	1313.05	1859.91
118 W. H. CONWAY	1	2.20	1.65	1.32	783.83	1313.38	1860.04
119 THOMAS DAVIS	1	.54	.41	.32	784.15	1313.47	1864.29
120 MIDDLETON MILL DITCH	1	17.00	12.75	10.20	794.35	1316.02	1882.65
121 THOMAS ANDREWS	3	3.50	2.63	2.10			1882.85
122 SETTLERS CANAL CO.	1	73.44	55.08	44.06	838.41	1327.04	1883.25
123 THOMAS AIKEN	1	.80	.60	.48	838.89	1327.16	1903.25
123A OTTO & MARIE MULLER	1	1.60	1.20	.96	839.85	1327.40	1903.46
124 RIVERSIDE IRR. DIST.	2	80.00	60.00	48.00			1930.96
124A W. D. CHARTERS	1	.825	.62	.50	840.35	1327.52	1931.21
125 R. H. STOCKTON	3	1.76	1.32	1.06	906.35	1344.02	1931.21
126 FARMERS UNION DITCH	1	110.00	82.50	66.00	906.95	1344.17	1931.37
127 CHARLES REIN & JAMES KEOGH	1	1.00	.75	.60	907.25	1344.27	1952.24
128 MATHEW CASEY	1	.66	.50	.40			1952.37
129 FARMERS COOP. DITCH	2	83.50	62.63	50.10	907.67	1344.36	1957.37
129A H. E. PLAIN	1	.54	.41	.32			2012.14
130 RIVERSIDE IRR. DIST.	2	20.00	15.00	12.00	1039.13	1377.23	2014.64
131 NEW YORK CANAL CO.	1	219.10	164.33	131.46			2032.14
132 CANYON DITCH CO.	2	10.00	7.50	6.00			2033.52
133 RIVERSIDE IRRIG. DIST.	2	70.00	52.50	42.00			2047.60
134 CANYON DITCH CO.	2	5.54	4.16	3.32	1072.93	1385.69	2047.69
135 PIONEER IRR. DIST.	1	56.34	42.26	33.80	1073.14	1385.75	2048.09
136 H. E. WIMER	1	.356	.27	.21	1074.10	1385.99	2048.19
137 B. P. WEAVERLING	1	1.60	1.20	.96			
137A ISLAND HIGHLINE DITCH CO.	3	7.00	5.25	4.20	1074.34	1386.05	
138 WESLEY A. MACE	1	.40	.30	.24			
139 ISLAND HIGHLINE DITCH CO.	3	10.00	7.50	6.00			

(SEE NOTES IN FRONT OF REPORT FOR FURTHER EXPLANATIONS)

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

CHART NO. 26-C

NECESSARY AT DIVERSION DAM TO FILL SAME

PRIORITY DATE	NAME	100% OF DECREE	75% OF DECREE	60% OF DECREE	FLOW NECESSARY TO FILL TO 60%	FLOW NECESSARY TO FILL TO 75%	FLOW NECESSARY TO FILL TO 100%
7-2-04	FARMERS UNION	54.46	40.85	32.68	2080.47	3043.43	4295.75
3-23-00	NEW YORK IRRIGATION DIST., BOISE KUNA IRRIG. DIST.,	58.86	44.15	35.32	2115.79	3852.26	4310.46
12-14-03	UNITED STATES OF AMERICA	1354.58	1015.94	812.75	2926.54	4055.45	4649.10
4-1-05	PIONEER IRRIGATION DIST.	306.56	229.92	183.94	3112.48	4101.43	4725.74
4-1-05	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
4-1-10	MCMANUS & TEATER	3.36	2.52	2.02	3837.28	4282.64	5027.72
1-13-11*	UNITED STATES OF AMERICA (ARROWROCK STORAGE)	8000.00					13027.72
4-1-14	RIVERSIDE IRRIGATION DIST.	17.70					13045.42

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

