

WATER DISTRIBUTION OF BOISE RIVER
DISTRICT NO. 12-A
1941

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER

AND
DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1941

(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 RESERVOIR)

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

BY

WM. E. WELSH

WATERMASTER, BOISE RIVER

C H A R T S

1941

1. Map of Boise River, showing canal diversions.
2. Natural Flow Boise River by Days - 1941.
3. Table showing mean daily flow of Boise River for a 42-year period.
4. Table showing monthly and annual flow of Boise River in acre feet for the irrigation years beginning 1894-1895.
5. 5-A, 5-B, 5-C, 5-D, and 5-E, daily discharge of all canals (Sections 1 and 2) for irrigation season of 1941.
6. Summary table in acre feet showing monthly and total canal diversions for the irrigation season of 1941.
7. Summary table showing total annual diversions for all Boise Valley Canals beginning 1916.
8. 8-A and 8-B, daily discharge of all principal tributary streams feeding water to Boise River below More's Creek for irrigation season of 1941.
9. Two tables 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 of 1941.
10. Two tables 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 of 1941.
11. Two tables 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 of 1941.
12. Table showing acreage under all canals in the Boise Valley.

ORGANIZATION

C H A R T S

(Continued)

13. Table for Boise Valley canals showing acre feet diverted, acres irrigated and acre feet per acre diverted for the season of 1941.
14. Table showing acre feet per acre diverted by 18 canals from Boise River for each irrigation season beginning in 1916.
15. Summary table showing diversions from Boise River in acre feet, acre feet per acre, and the rate in miner's inches per acre for 18 Boise Valley canals for each month of the irrigation season during the years 1916 to 1941 inclusive; also, the per cent diverted during each month.
16. Chart showing average headgate duty of water for 18 Boise Valley canals.
17. Table showing total canal diversions and total discharge of drainage canals in Drainage District No. 2 for the irrigation season of 1941.
18. Summary table of return flow to Boise River between More's Creek and Notus beginning 1914.
19. To tables showing total discharge of all drainage canals in drainage Districts No. 3 and 4, for the irrigation season of 1941.
20. 20-A, 20-B, revised area and capacity table for Arrowrock Reservoir.
21. Table showing additional decrees on Boise River (Intervenor's in the Stewart Decree), giving priority number, date and amount decreed.
22. Table showing change in point of diversion of decreed rights on Boise River.
23. Table showing transfers of decreed rights on Boise River.
24. Condensed table of Stewart Decree showing dates of Priority and amounts decreed.
25. Stewart Decree grouped under canal headings.
26. 26-A, 26-B, 26-C, tables showing decreed rights (Stewart Decree) and natural flow at Diversion Dam necessary to fill same. 26-D, table showing decreed rights (Bryan Decree) and natural flow in second feet necessary at Diversion to fill same.

at Twin Springs and More's Creek at Cell Bridge.

ORGANIZATION

The Boise River Organization consists of a Chairman and Secretary, an Advisory Committee of 9 members, a Watermaster and one part time Secretary and Stenographer; also one Assistant Watermaster who is employed during the irrigation season on the lower end of the Boise River.

The Advisory Committee, although not authorized by law, is elected by the water-users at the annual meeting on the first Monday in March. This Advisory Committee is selected from various sections of the Boise Valley. In addition to preparing and recommending a budget for the annual meeting, it meets from time to time to consider various questions affecting the water-users and the water rights from the Boise River. It also considers and assists in determining questions of policy having to do with the operation of Water District 12-A.

This Committee for 1941 was as follows: distribution of
J. M. Lampert, Chairman
Ed Straus, Secretary
Ernest Anderson
J. C. Bell
T. M. DeCoursey
John Demond
W. T. Evans
H. V. Rice
I. A. Weaver

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

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

Mention should also be made of the splendid assistance and cooperation rendered by the Commissioner of Reclamation in furnishing office room and equipment and the many courtesies extended during the year by the personnel of this office.

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., which is commonly referred to as the "Stewart Decree". This case has been appealed to the Supreme Court and affirmed as to priority and acreage, but remanded to the District Court for additional evidence on the question of duty of water, where it has been pending for a number of years. A temporary order providing for the distribution of the waters of Boise River, was issued by the District Court from year to year. In 1919 this order was made continuing. This same order was used for 1941. It provided for the distribution of the waters from Boise River in the following manner, to-wit: "The various rights, as adjudicated in the so-called 'Stewart Decree' shall receive 100 per cent, until the natural flow of the waters of Boise River shall decrease, until all the rights in said decree cannot receive 100 per cent, at which time the various rights as adjudicated in the so-called 'Stewart Decree' shall first be cut to 75 per cent 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 per cent 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 per cent 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 per cent of the amount specified in the Stewart Decree and 60 per cent of the amount decreed in the Stewart Decree is hereby fixed and determined as the highest duty of water for the year 1919."

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 duty of water, also for the purpose of determining certain other rights.

On January 30, 1932, JUDGE O. E. 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. This order has remained in effect since that time.

Chart 26, 26A, 26B, 26C, relate to the Stewart Decree and show the following information: Number of priority, name to whom decree was issued, section of River in which point of diversion is located, amount of decree in second feet showing 100 per cent, 75 per cent, and 60 per cent. 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 per cent, 75 per cent and 100 per cent. In computing the amounts necessary to fill the various rights in this table it is assumed that the return flow will fill the first 32 rights to 60 per cent of the amount decreed. It is also assumed that the return flow to section 2 and 3 of the River would fill the rights with points of diversions in those sections of the River to 75 per cent of the amount decreed.

Chart 26-D is a table showing the decreed rights contained in the Bryan Decree or Flood water Decree. It shows the date of priority name of water users to whom decree was issued, amount of decree in second feet showing 100 per cent, 75 per cent and 60 per cent. It also shows the amount of natural flow necessary at Diversion Dam to fill the various rights in the Flood Water Decree to 60 per cent, 75 per cent and 100 per cent.

BOISE RIVER RUNOFF

At the beginning of the season, it appeared from the precipitation records, snow surveys, and other available information that the irrigation of 1940 would be short. However, due to unprecedented rains scattered intermittently throughout the season practically no shortage occurred. The total runoff for the irrigation year beginning October 1, 1940 was 1,400,910 acre feet.

The same method that was employed for the past several seasons of arriving at the daily natural flow of the Boise River was used during the season of 1941.

For information concerning the natural flow of the Boise River prior to 1941, it will be necessary to refer to previous reports.

Chart 3 is a table showing the mean daily flow of the Boise River for a 41-year period.

Chart 4 is a table compiled from previous charts, showing the total monthly and annual flow of the Boise River in acre feet for the irrigation years beginning 1894 - 1895.

CANAL REGULATIONS

All Canals diverting from the Boise River were regulated at the lower end of the Boise River.

during the entire irrigation season except for a short period

during the latter part of May and the first part of June when

Arrowrock was filled and some water was wasted.

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

Chart 6 shows the monthly and total diversions for the Boise River for the irrigation season of 1941.

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 1916.

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 More's Creek, canal deliveries, and gain to the river by months in acre feet, and also average daily flow for each month during the season of 1941.

At the headgate of the Caldwell High Line Canal and these 8 canals diverting from Section II of the river are supplied entirely from return flow.

The average return flow to this section during the period was 513 second feet.

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 this section.

DUTY OF WATER

The following statement, a repetition from previous reports, is again included in this report.

"The determination of the duty of water in both the 'Stewart Decree' and the 'Bryan Decree' is still pending in the District Court at Caldwell, Idaho.

"In the opinion of the writer it is doubtful if a fixed and established duty of water will ever prove satisfactory for the Boise Valley. A duty of water that would take care of crop requirements for one season would be inadequate for another. Seasonal conditions are continually changing. Likewise, conditions over the valley are changing. Our knowledge and methods of irrigation are constantly improving with each year of experience.

"An arbitrary duty should not be established without taking into consideration the inherent rights of all those persons who are dependent upon this great natural resource for their subsistence.

IRIGATION

Chart 17 shows the total canal diversions and the total drainage discharge for Drainage District No. 2 for the season of 1941. "An arbitrary duty, if established, should be subject to change from time to time. What that duty should be, I am not prepared to say."

Drainage District No. 3, frequently referred to as the South Boise River District is situated in South Boise. This District has four drains or outlets emptying into Boise River, and cuts an area of approximately 4200 acres.

The temporary court order, providing for the "Sliding scale", under which the Boise River has been operated for more than twenty years, has proved very satisfactory when the entire valley is taken into consideration. The temporary court order is given in full on page 2 of this report.

Drainage District No. 4, frequently referred to as the Thurfur Valley, comprising an area of approximately 2500 acres, is situated south of the Boise River, and opposite the town of Eagle. Chart 6 shows the amount in acre feet diverted each month, and the total amount diverted each season for the canals of the Boise Valley.

Chart 13 is a table showing the total amount diverted, the acres irrigated and the acre feet per acre diverted from the river by the various canals of the Boise Valley. The amount shown under 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.

Chart 14 is a summary table for the years 1916 and 1941, inclusive, for the diversions of 18 Boise Valley Canals, showing the acre feet per acre diverted.

Chart 15 is a table for 18 Boise Valley Canals for the period from 1916 and 1941 inclusive, showing the total acre feet diverted, acre feet per acre, rate in miner's inches per acre, and per cent per month.

Chart 16 shows the average headgate duty of water for 18 Boise Valley canals.

DRAINAGE

Chart 17 shows the total canal diversions and the total drainage discharge for Drainage District No. 2 for the season of 1941. Drainage District No. 3, frequently referred to as the South Boise Drainage District is situated in South Boise. This District has four drains or outlets emptying into Boise River, and comprises an area of approximately 4200 acres.

Drainage District No. 4, frequently referred to as the Thurman Drain, comprising an area of approximately 2500 acres, is situated South of the Boise River, and opposite the town of Eagle. This District has only one outlet to the river.

Chart 19 is a table showing the discharge of all drains in Drainage District Nos. 3 and 4.

Chart 18 is a table showing the average return flow to the Boise River for the period from 1914 to 1941, inclusive.

A Comparison of charts 17 and 19 discloses the following with reference to drainage discharges:

DRAINAGE DISTRICTS

Year	No. 2	No. 3	No. 4
1922	2.90		
1923	2.99		
1924	2.59		
1925	2.42	1.43	2.66
1926	1.97	1.03	2.07
1927	2.62	1.29	2.70
1928	2.78	1.15	2.55
1929	2.27	1.16	2.02
1930	2.61	.96	2.45
1931	1.99	.86	1.82
1932	2.36	1.25	2.03
1933	2.36	1.18	2.26
1934	2.18	.89	2.34
1935	2.27	1.04	2.10
1936	2.55	1.43	2.12
1937	2.37	.83	2.36
1938	2.84	.83	2.25
1939	2.32	1.00	3.60
1940	2.51	1.01	2.36
1941	2.80	.90	2.30

ARROWROCK CAPACITY

Chart No. 20, 20-A and 20-B show the W. G. Steward capacity table for Arrowrock Reservoir, as revised by W. H. Tuller, Project Manager, Boise Project.

ADDITIONAL DECREES

Chart No. 21 is a table showing the additional decrees obtained by intervenors in the case of Farmers Cooperative Ditch Company, Plaintiffs, vs. Riverside Irrigation District, Ltd., et al. Defendants, which is commonly referred to as the "Stewart Decree".

CHANGE IN POINT OF DIVERSIONS

Chart No. 22 is a table showing the changes in the points of diversions of the decreed rights on Boise River, as recorded in the office of the Commissioner of Reclamation.

TRANSFERS

Chart No. 23 is a table showing the transfer of decreed rights on Boise River as recorded in the office of the Commissioner of Reclamation.

STEWART DECREE

Chart No. 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 Nos. 26, 26-A and 26-B and 26-C are tables showing decreed rights as contained in the Stewart Decree, and the natural flow at Diversion Dam necessary to fill the same.

After the Corps of Army Engineers determined that there was justification
STEWART AND BRYAN DECREES GROUPED BY CANAL HEADINGS
 for flood control, Anderson Ranch Reservoir was decided upon, contracts

This table, Chart No. 25, has been compiled for the benefit
 of those canal companies who have more than one date of priority.
 This table shows the date and amount of each priority and the
 total amount decreed. Estimates have been given out as to the capacity

and cost of Anderson Ranch BRYAN DECREE

Chart No. 26-D is a table showing decreed rights contained
 in the Bryan Decree and the natural flow necessary at Diversion Dam
 to fill the same.

Capacity allocated to Flood Control	45,000	"	"
to Irrigation	255,000	"	"
Total	300,000	"	"

WATERSHED

The question of watershed protection continues to be
 a matter of serious concern to the Water-Users of the Boise
 Valley.

Cost per acre foot of space \$ 12.24

The Water-Users should continue to cooperate with the
 Forest Service. The Forest and Range experimental station
 near Idaho City will probably have some valuable information.

A reasonable program of experimentation and investigation
 should be continued.

The rights and interests of the Water-Users of the Boise
 River should be continuously guarded and protected.

SUPPLEMENTAL WATER

The Water-Users of Boise Valley have been working with the
 U. S. Bureau of Reclamation and other Federal agencies for a good
 many years attempting to solve the problems of supplemental water.

After the Corps of Army Engineers determined that there was justification for flood control, Anderson Ranch Reservoir was decided upon, contracts were let and construction started late in the Fall of 1941. It is anticipated that the completion of this Reservoir will practically eliminate water shortage in the Boise Valley.

The following estimates have been given out as to the capacity and cost of Anderson Ranch Reservoir:

CAPACITY

Capacity allocated to Power	75,000	acre feet.
Capacity allocated to Flood Control	45,000	" "
Capacity allocated to Irrigation	380,000	" "
Total	500,000	" "

COSTS

CHARGEABLE TO POWER	\$ 3,400,000.00
CHARGEABLE TO FLOOD CONTROL	5,050,000.00
CHARGEABLE TO IRRIGATION	4,650,000.00
Total	\$13,100,000.00

Cost per acre feet of space	\$ 12.24
-----------------------------	----------

Annual payments for 40 years per acre feet of space	.306
---	------

MINING OPERATIONS

Numerous applications for mineral leases on the bed of Boise River have been submitted to the State Land Department. The Boise River Advisory Committee has considerable expense in the granting of these leases for the reason that it is the opinion of this Committee that either placering or dredging of the bed of the river will result in considerable silt and sediment being washed down the river with it and do damage to the reservoirs and later to the irrigation canals.

CONCLUSION

That an Advisory Committee with authority to represent the water users in the district with the watermaster is very beneficial and helpful, and should be continued.

Watermaster Salary.....	\$3250.00	
Assistant Watermaster Salary.....	481.95	
Car Mileage.....	1184.64	
Miscellaneous.....	210.01	
Telephone.....	84.23	
Gage Readings.....	90.00	
Stenographic Services.....	507.98	
Insurance (Workmen's Compensation).....	57.92	
Total.....		\$5866.73

That the return flow is a vital factor and must be

SERVICES RENDERED BY THE U. S.
BUREAU OF RECLAMATION AND THE
BOARD OF CONTROL, BOISE RIVER

Gage Readers, Dowling.....	\$ 180.00	
More's Creek.....	120.00	
Telephone Service to Upper River.....	270.00	
Assistance in Current Meter Work.....	235.00	
Office Work, compiling records of natural flow, etc.	225.00	
Total value of services as fixed by Committee.....		\$1030.00

That by reason of the construction of these drainage

TOTAL COSTS TO WATER DISTRICT 12-A
FOR THE IRRIGATION SEASON OF 1941. \$6896.73

the water users, are probably not reaching the river during the

CONCLUSION

1. That an Advisory Committee with authority to represent the water users and to advise with the watermaster is very beneficial and helpful, and should be continued.
2. That the records and data as compiled in the watermaster's reports for more than twenty-five years should be continued.
3. That the river naturally divided itself into three sections during the low-water period.
4. 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.
5. That the return flow is a vital factor and must be considered in the operation of the river.
6. That all tributary streams should be considered as a part of the available water supply of the Boise River.
7. That the transfer of water rights from Section II to Section I is injurious to the rights already existing in Section I.
8. That the construction of drainage systems in the Boise Valley has changed the irrigation requirements within these districts.
9. 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.

10. That the question of watershed protection is of vital importance to the water users of the Boise Valley.

11. That a reasonable program of research work should be continued by U. S. Forest Service on the Boise River watershed for the purpose of determining the best manner that will not be injurious to the inherent rights of the water users who are dependent upon this resource for a livelihood.

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

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

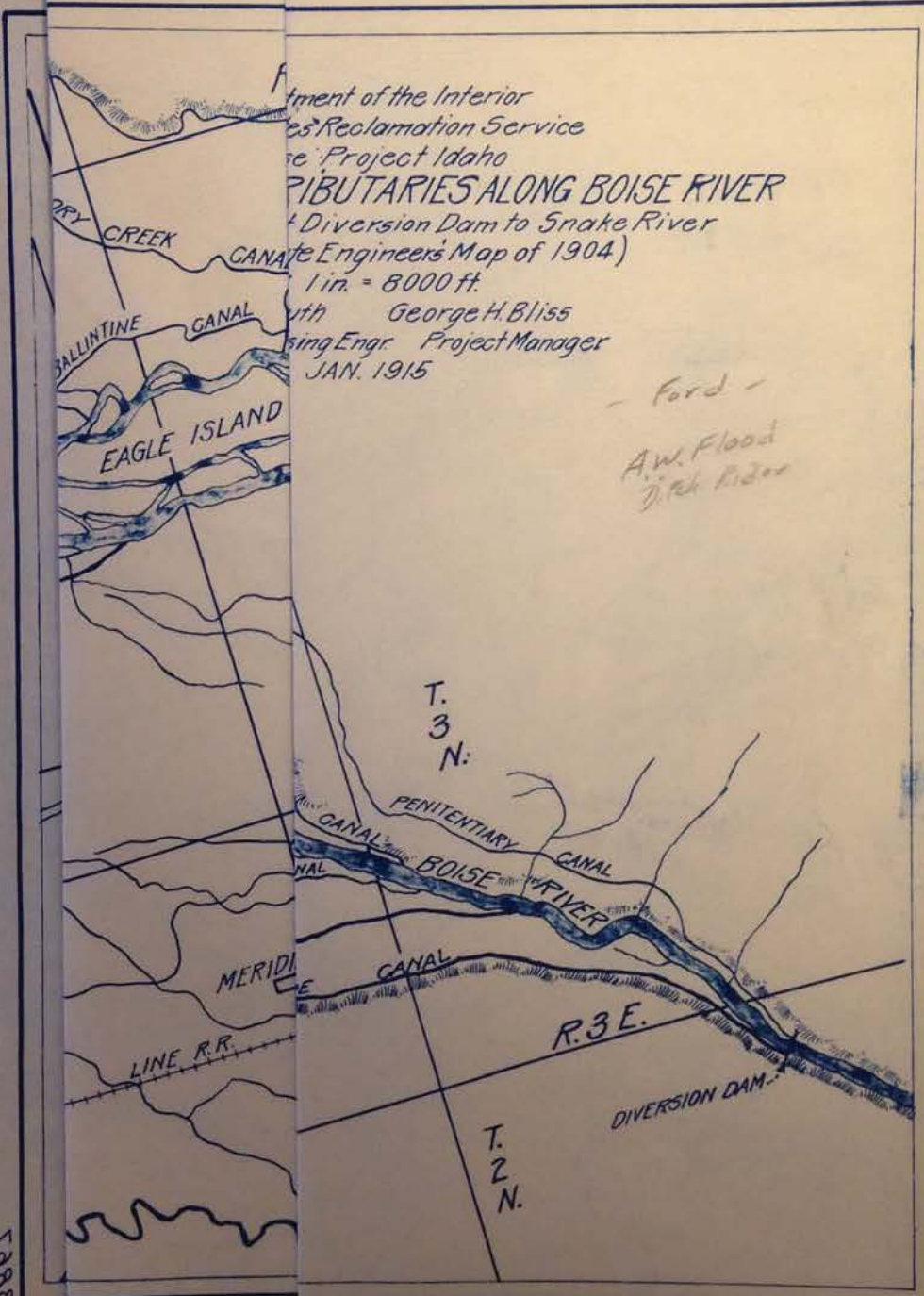
14. That the temporary "Court Orders", under which the Boise River has been operated for more than twenty years, have proven very satisfactory to the Boise Valley as a whole.

15. That approximately two-thirds of the entire Boise Valley is badly in need of supplemental water.

16. Mining operations in the bed of Boise River should not be allowed.

7-3887

7-3887

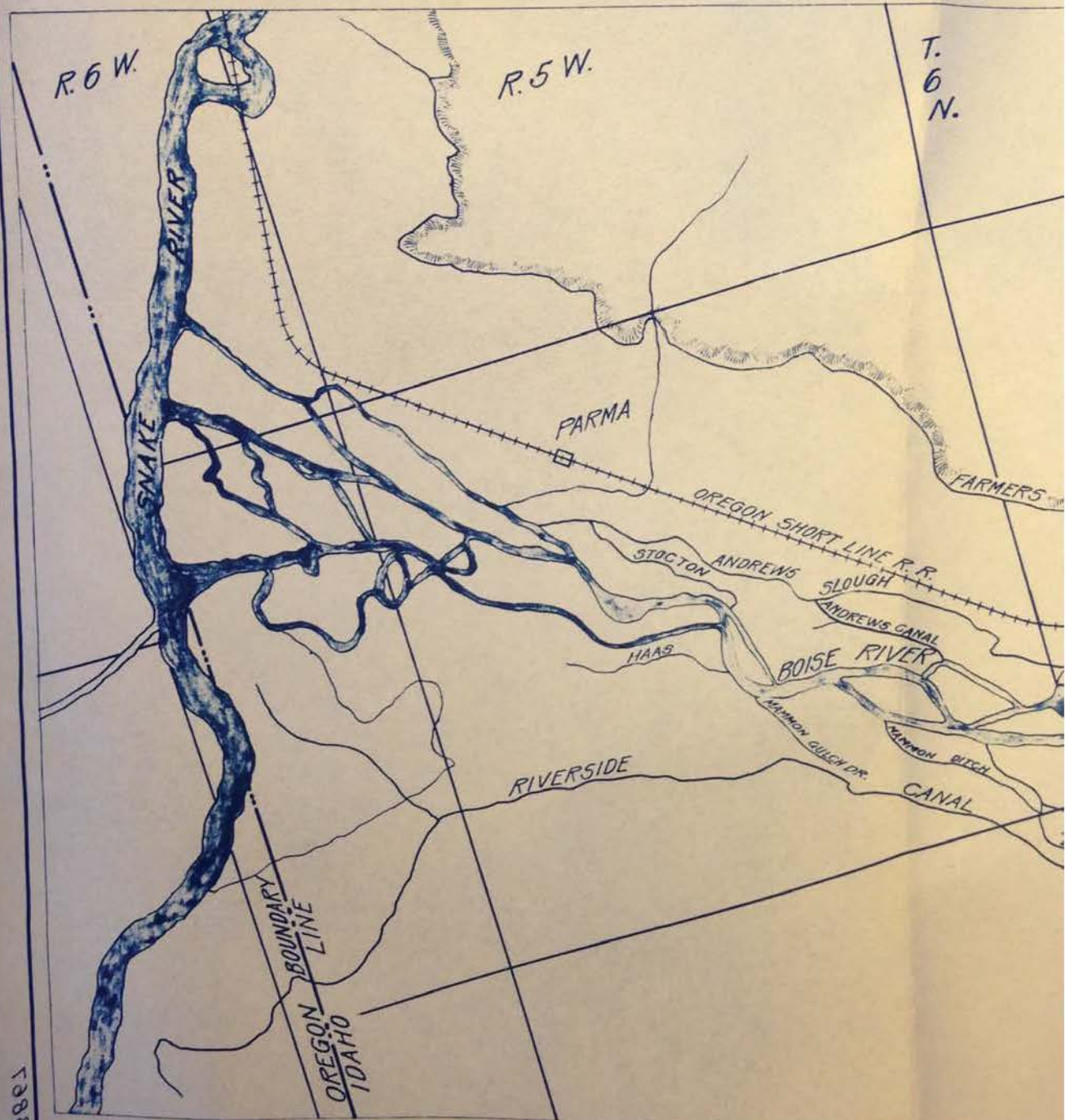


- Ford -
A.W. Flood
Ditch Rider

7-3887

7-3887

V-3887

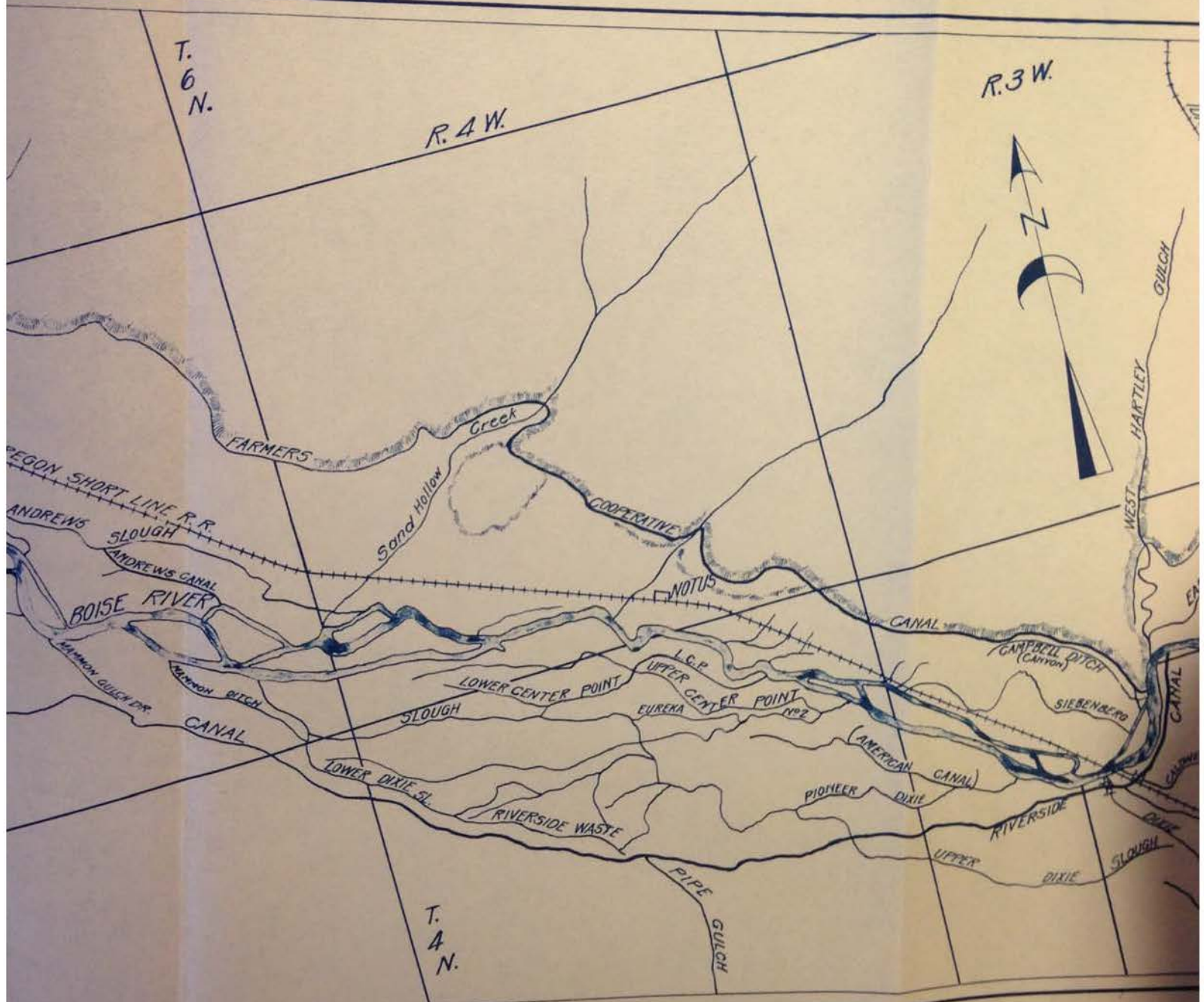


V-3887

T. 6
N.

R. 4 W.

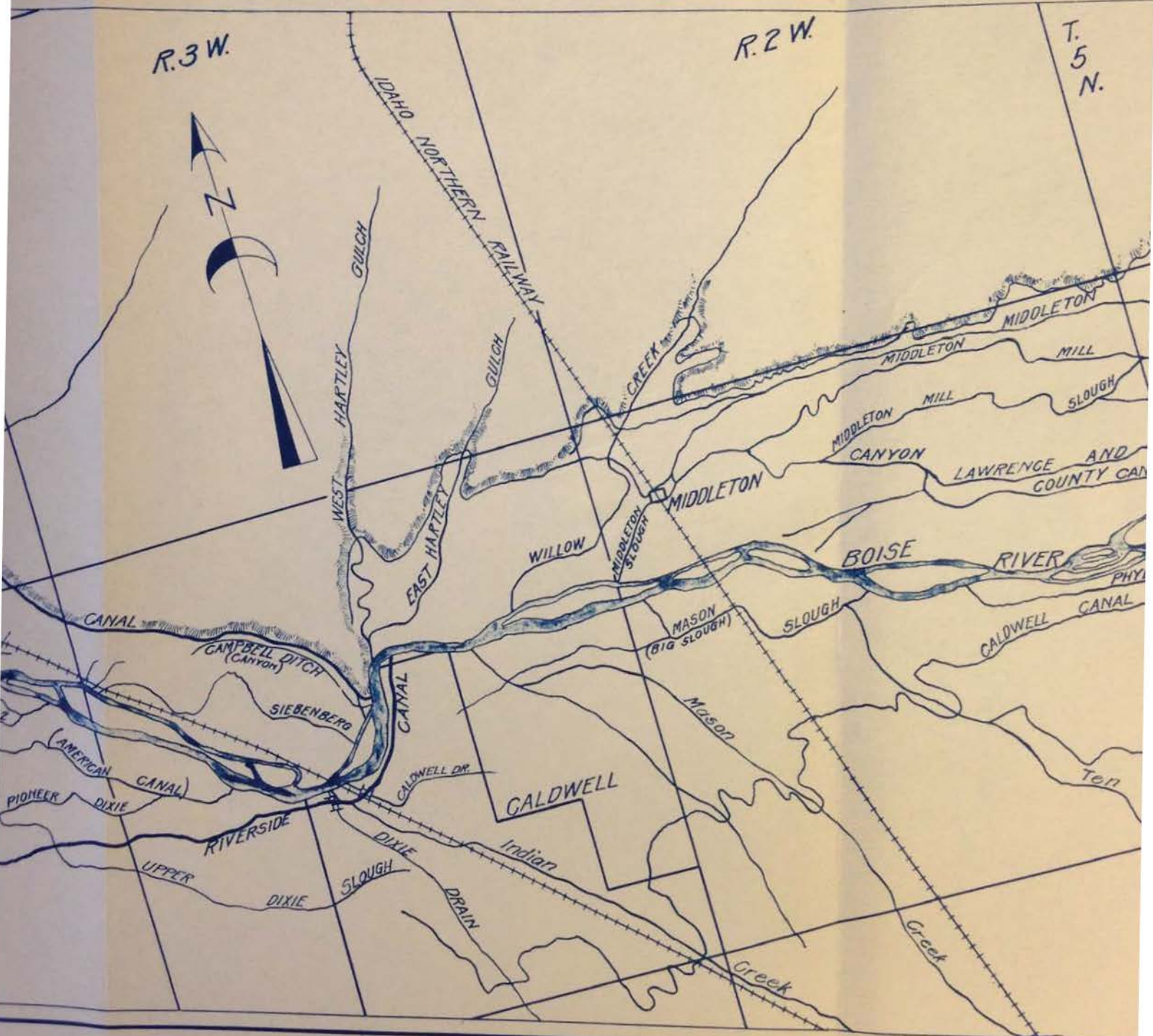
R. 3 W.

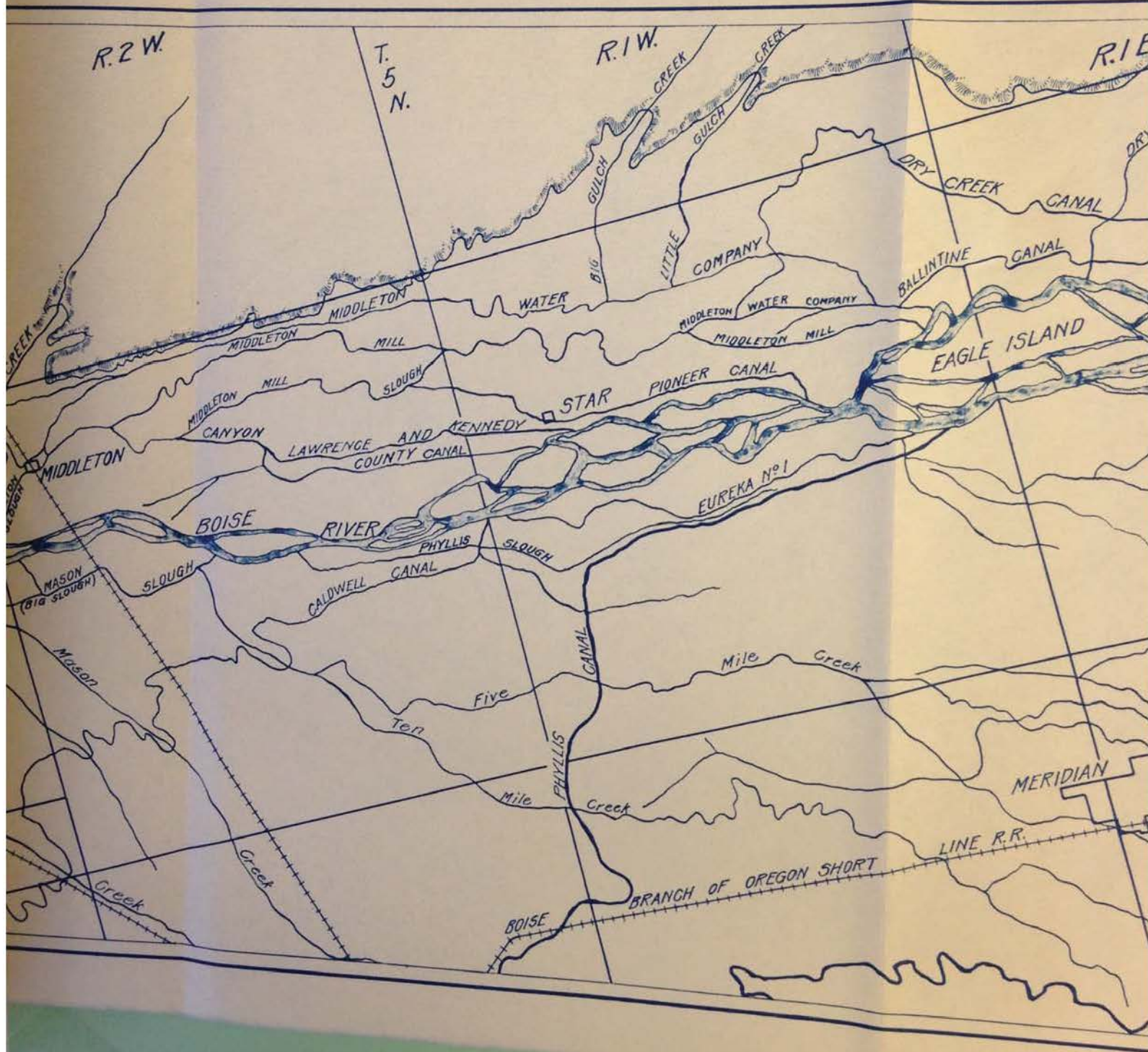


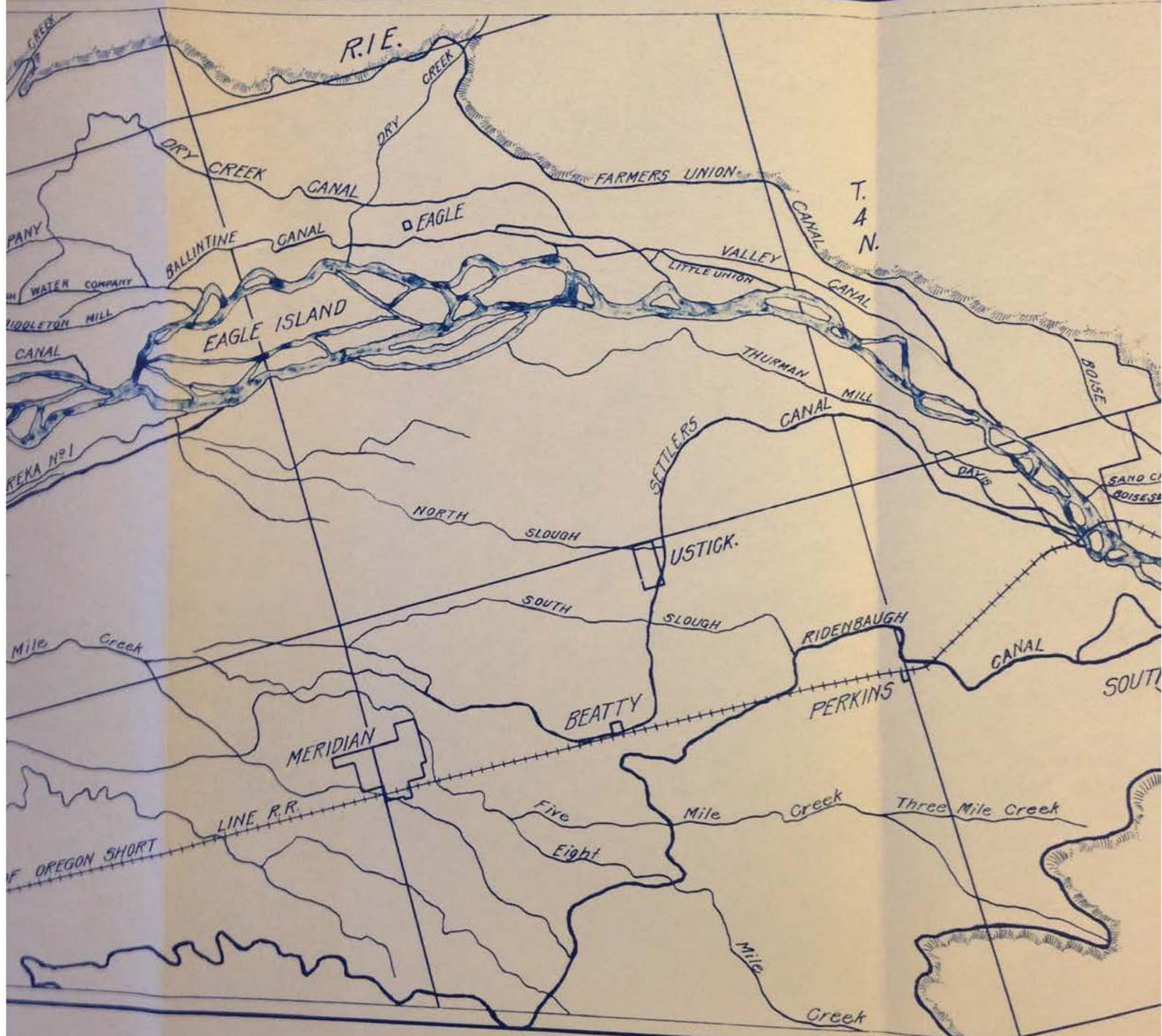
R. 3 W.

R. 2 W.

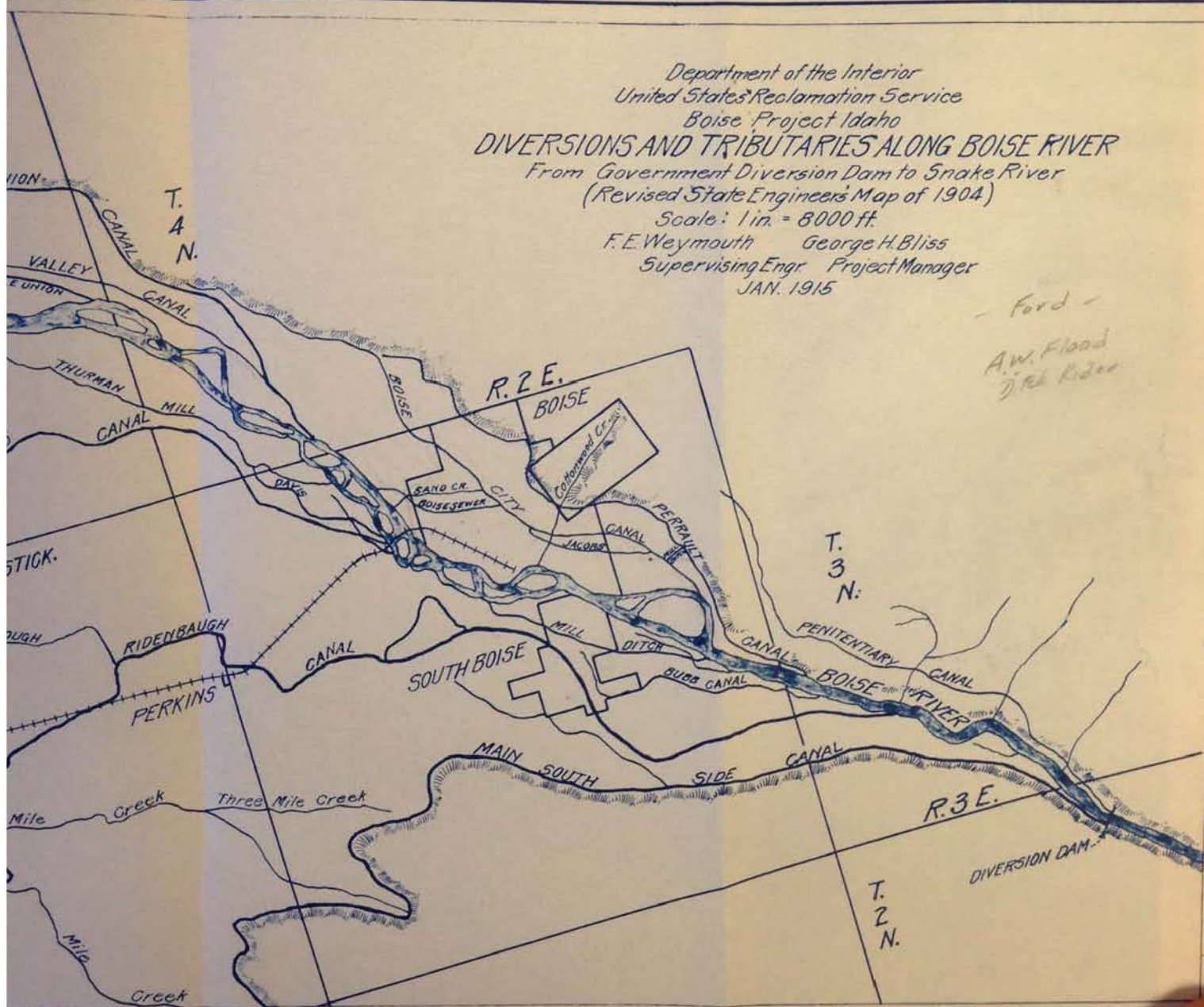
T. 5 N.



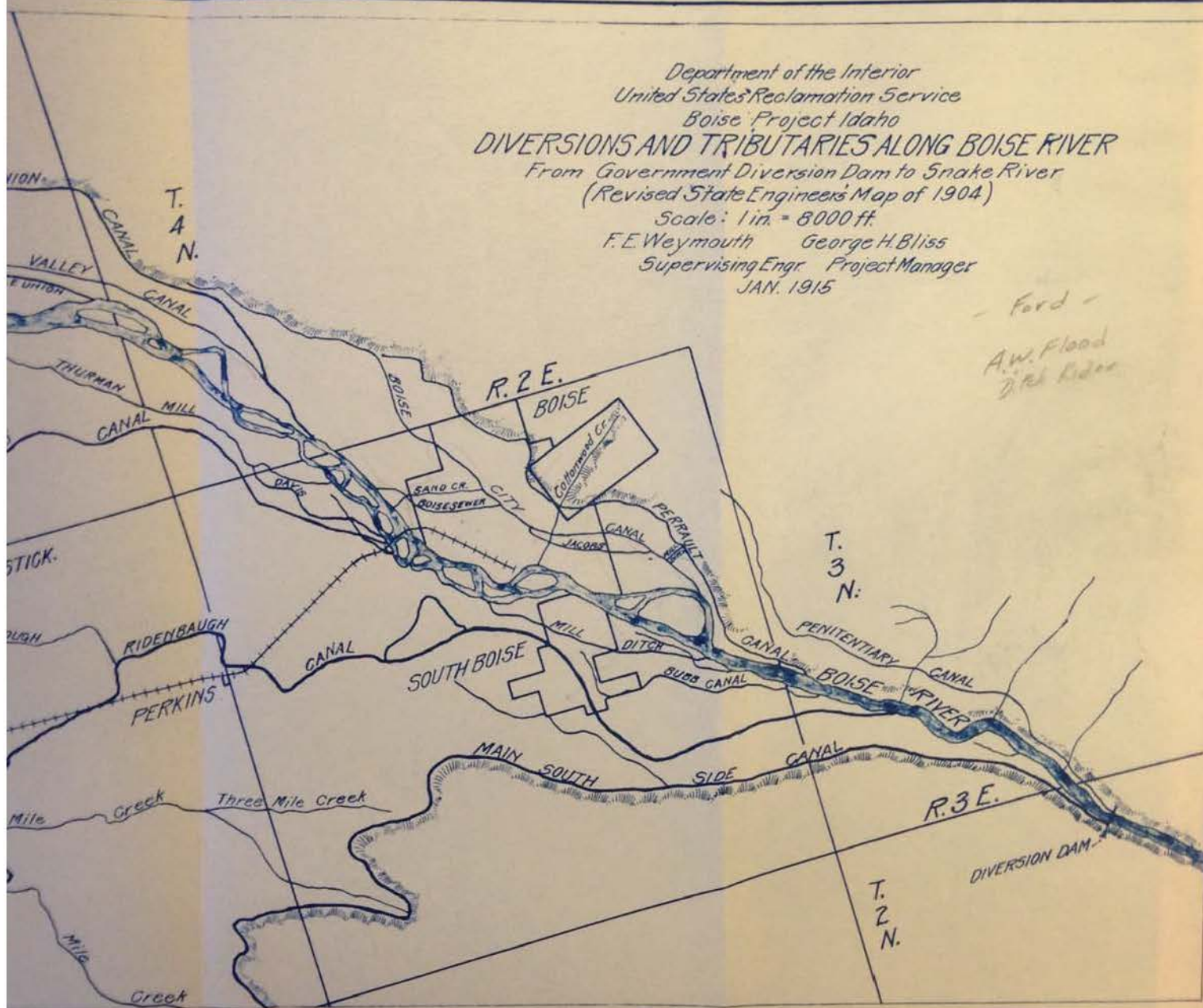




Department of the Interior
United States Reclamation Service
Boise Project Idaho
DIVERSIONS AND TRIBUTARIES ALONG BOISE RIVER
From Government Diversion Dam to Snake River
(Revised State Engineers Map of 1904)
Scale: 1 in. = 8000 ft.
F.E. Weymouth George H. Bliss
Supervising Engr. Project Manager
JAN.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



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



Ford
A.W. Flood
2nd Ridge

1088.9

1088.9

NATURAL FLOW BOISE RIVER - 1941
(For Records for Previous Years see 1940 Report)

	JAN	FEB	MAR	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	955	817	1678	2764	4890	5876	2322	943	658	718	781	943
2	664	843	1898	3078	5168	5275	2243	872	634	694	821	947
3	662	852	1941	3048	5018	4713	2039	856	632	674	822	1661
4	690	957	1823	3047	5531	4985	1927	848	650	665	930	4605
5	704	831	1679	3476	5646	5028	1952	786	640	691	1393	3137
6	967	879	1616	3237	5678	4885	1710	713	655	724	1076	2036
7	890	1140	1569	2953	4968	5212	1674	736	646	752	1022	1837
8	959	1215	1473	2618	4609	6341	1575	738	627	797	894	1555
9	778	1100	1700	2631	4612	5866	1513	716	643	732	905	1400
10	857	1102	1708	2830	4308	5148	1437	702	655	715	852	1485
11	761	1244	1648	3468	4367	4826	1337	682	653	591	802	1458
12	699	1435	1770	3201	5127	4982	1296	1339	642	676	903	1237
13	622	1469	1372	3339	7386	5120	1213	1262	669	783	780	1309
14	926	1238	1495	3509	8408	5417	1239	1140	698	804	894	1406
15	1076	1123	1480	3396	7496	5474	1233	899	742	698	1387	1372
16	929	1163	1318	3665	6193	5217	1251	839	747	802	2533	1694
17	927	1093	1384	3394	5543	4718	1217	852	740	849	1954	1580
18	878	994	1712	3243	5536	4390	1219	890	727	849	1566	1838
19	884	1041	1967	2963	5708	4612	1147	1240	686	797	1420	1871
20	888	1151	1942	2670	5101	4450	1113	962	699	855	1187	2130
21	890	1069	1942	2387	4809	4067	1090	832	710	902	922	2240
22	886	1093	1842	2370	4875	3541	1041	879	726	900	936	2199
23	884	1369	1922	2452	5676	3436	994	800	726	751	850	1896
24	917	1529	1803	2699	6643	3300	966	714	728	755	694	1673
25	1030	1776	1727	3128	7222	3016	947	860	728	870	863	1657
26	1215	1535	1774	3201	7181	3077	900	776	731	848	958	1335
27	1172	1284	2101	3316	8861	2668	891	781	727	882	909	1097
28	942	1342	2193	3543	8155	2626	1141	787	711	842	675	917
29	811		2305	4090	6497	2656	1079	749	714	914	1000	1411
30	808		2849	4429	5834	2468	1040	724	715	876	871	1620
31	911		3093		5620		920	686		868		1873
Total	27130	32684	56724	94150	122668	133388	41666	26603	20659	24276	31600	53419

TABLE, IN SECOND FEET, SHOWING AVERAGE DAILY FLOW OF NOISE RIVER
FOR A 41-YEAR PERIOD, 1895 to 1936

Chart 3

	JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1	1157	1132	1559	3680	6829	8324	4350	1243	773	793	906	1195
2	1117	1129	1542	3831	6856	8290	4238	1197	777	809	906	1210
3	1121	1141	1664	3983	6963	8336	4084	1166	766	808	983	1169
4	1115	1155	1660	4096	7227	8211	3910	1146	751	821	906	1153
5	1099	1253	1726	4139	7421	8077	3736	1110	747	831	898	1094
6	1086	1255	1800	4198	7675	8026	3526	1075	746	831	938	1093
7	1109	1231	1828	4248	7927	8145	3400	1059	734	852	950	1063
8	1069	1355	1960	4462	8211	8220	3294	1044	727	880	939	1027
9	1037	1323	2077	4573	8362	8254	5688	1011	729	882	952	976
10	1037	1265	1976	5132	8534	8234	2985	962	741	874	1006	1001
11	1018	1229	2004	5384	8274	7999	2820	956	760	873	1029	1038
12	1017	1188	2104	5662	8159	8031	2768	946	778	858	989	1047
13	986	1198	2135	6103	8105	8042	2613	923	772	867	956	1053
14	1029	1173	2147	6355	8190	8013	2506	910	774	860	974	1058
15	1118	1173	2236	6467	8342	7815	2379	903	783	895	948	976
16	1165	1249	2418	6640	8445	7783	2247	891	790	880	1072	947
17	1138	1292	2421	6666	8441	7602	2110	879	783	867	984	1004
18	1134	1284	2826	6626	8551	7364	2005	852	773	887	1029	964
19	1182	1288	2890	6580	8351	7179	1917	849	766	893	1007	1032
20	1211	111	3094	6061	8177	6919	1812	841	771	889	1074	1004
21	1248	1353	3138	6103	8058	6631	1734	819	762	902	1165	1038
22	1205	1411	3205	6277	8098	6320	1647	813	750	883	1302	1015
23	2978	1400	3263	6382	8085	6013	1621	807	758	916	1485	1029
24	1155	1444	3227	6585	8172	5756	1567	792	770	910	1356	1081
25	1236	1402	3313	6678	8232	5447	1573	773	778	895	1271	1074
26	1198	1386	3266	7074	8458	5264	1475	769	775	893	1214	1056
27	1164	1472	3280	7260	8306	5449	1421	759	782	896	1173	1111
28	1130	1509	3297	7252	8250	4938	1376	756	781	901	1086	1154
29	1120	1259	3545	7045	8147	4786	1325	753	783	918	1082	1186
30	1091		3434	7668	8184	4575	1308	764	784	893	1130	1114
31	1125		3436		8356		1257	757		914		1102
Total	36128	36060	75921	173210	247363	214063	78692	28525	22964	27071	31710	33064
Average	1165	1163	2449	5297	7657	6583	2538	888	712	841	987	1018

Total in cubic feet for average year, = 2019502

TOTAL MONTHLY FL

FOR THE IRRIGATION

YEAR

October November December January February March

1894-95 54700(8) 54000 62700 78600 68280 103180

1895-96 57040 54980 50980 73440 67660 157560

1896-97 54220 61300(3) 64600 50520 55240 87960

1897-98 63440 64100 61500(1) 74100 67200 119280

1898-99 53262 56240 151640 160600 79640 113900

1899-00 83664 90000 97000 125420 96440 305220

1900-01 63570 61880 65060 79440 98340 179320

1901-02 56464 55892 76400 61300 90440 88920

1902-03 45630 54498 63474 81760 63570 143360

1903-04 58554 67800(1) 57500 124000(1) 108000(1) 262140

1904-05 58980 54000 54000(1) 50400(3) 56700(1) 101900

1905-06 42980 41010 40410 50810 57240 101100

1906-07 42550 73380 74000(1) 125400(3) 155000(1) 346120

1907-08 57890 55978 63300 67230 63282 141130

1908-09 68440 59280 58000 138160 110680 232840

1909-10 63140 200560 124760 79900 66600 566900

1910-11 63210 73780 76820 63010 76340 159570

1911-12 66570 66700 63520 78420 76120 99580

1912-13 66960 67820 60680 53800 51400 101800

1913-14 63524 80180 61380 71196 74968 216040

1914-15 69680 58368 44800 59580 59726 94782

1915-16 42410 45626 53346 49930 63062 197486

1916-17 59106 54016 53702 47628 47694 61740

1917-18 46004 49506 128592 113818 77754 181542

1918-19 64492 56578 49118 50532 52844 114916

1919-20 47968 56548 52610 66528 66774 89234

1920-21 59966 75678 67106 112422 94098 271472

1921-22 55492 39088 44979 60982 53180 115692

1922-23 52172 48886 52812 62100 50360 92700

1923-24 61592 52930 51286 48954 72446 63330

1924-25 39218 53862 42912 48416 129386 192378

1925-26 58400 51394 63522 48414 64264 140448

1926-27 34882 67640 84790 63200 104630 188084

1927-28 69014 144162 97842 92008 79354 272846

1928-29 49852 50792 46212 45514 49720 101904

1929-30 39356 36848 69543 44774 64388 103618

1930-31 54512 45418 44108 44818 45298 91246

1931-32 31424 31224 36376 38612 36756 155826

1932-33 39142 56478 40596 43926 41136 84474

1933-34 41276 47684 53652 79680 79948 151896

1934-35 37058 49444 51208 52256 47356 100060

1935-36 33616 38248 37352 44612 41728 89870

1936-37 39772 49772 41556 37568 41728 91026

1937-38 36266 49828 115160 67492 11566 164294

1938-39 60626 67394 60980 52236 47170 201512

1939-40 40474 38998 49268 33858 79724 113448

1940-41 53168 59764 56634 54260 65368 161455

1941-42 54793 59764 56634 54260 65368 161455

1942-43 54793 59764 56634 54260 65368 161455

1943-44 54793 59764 56634 54260 65368 161455

1944-45 54793 59764 56634 54260 65368 161455

1945-46 54793 59764 56634 54260 65368 161455

1946-47 54793 59764 56634 54260 65368 161455

1947-48 54793 59764 56634 54260 65368 161455

1948-49 54793 59764 56634 54260 65368 161455

1949-50 54793 59764 56634 54260 65368 161455

1950-51 54793 59764 56634 54260 65368 161455

1951-52 54793 59764 56634 54260 65368 161455

1952-53 54793 59764 56634 54260 65368 161455

1953-54 54793 59764 56634 54260 65368 161455

1954-55 54793 59764 56634 54260 65368 161455

1955-56 54793 59764 56634 54260 65368 161455

1956-57 54793 59764 56634 54260 65368 161455

1957-58 54793 59764 56634 54260 65368 161455

1958-59 54793 59764 56634 54260 65368 161455

1959-60 54793 59764 56634 54260 65368 161455

1960-61 54793 59764 56634 54260 65368 161455

1961-62 54793 59764 56634 54260 65368 161455

1962-63 54793 59764 56634 54260 65368 161455

1963-64 54793 59764 56634 54260 65368 161455

1964-65 54793 59764 56634 54260 65368 161455

1965-66 54793 59764 56634 54260 65368 161455

1966-67 54793 59764 56634 54260 65368 161455

1967-68 54793 59764 56634 54260 65368 161455

1968-69 54793 59764 56634 54260 65368 161455

1969-70 54793 59764 56634 54260 65368 161455

1970-71 54793 59764 56634 54260 65368 161455

1971-72 54793 59764 56634 54260 65368 161455

1972-73 54793 59764 56634 54260 65368 161455

1973-74 54793 59764 56634 54260 65368 161455

1974-75 54793 59764 56634 54260 65368 161455

1975-76 54793 59764 56634 54260 65368 161455

1976-77 54793 59764 56634 54260 65368 161455

1977-78 54793 59764 56634 54260 65368 161455

1978-79 54793 59764 56634 54260 65368 161455

1979-80 54793 59764 56634 54260 65368 161455

1980-81 54793 59764 56634 54260 65368 161455

1981-82 54793 59764 56634 54260 65368 161455

1982-83 54793 59764 56634 54260 65368 161455

1983-84 54793 59764 56634 54260 65368 161455

1984-85 54793 59764 56634 54260 65368 161455

1985-86 54793 59764 56634 54260 65368 161455

1986-87 54793 59764 56634 54260 65368 161455

1987-88 54793 59764 56634 54260 65368 161455

1988-89 54793 59764 56634 54260 65368 161455

1989-90 54793 59764 56634 54260 65368 161455

1990-91 54793 59764 56634 54260 65368 161455

1991-92 54793 59764 56634 54260 65368 161455

1992-93 54793 59764 56634 54260 65368 161455

1993-94 54793 59764 56634 54260 65368 161455

1994-95 54793 59764 56634 54260 65368 161455

1995-96 54793 59764 56634 54260 65368 161455

1996-97 54793 59764 56634 54260 65368 161455

1997-98 54793 59764 56634 54260 65368 161455

1998-99 54793 59764 56634 54260 65368 161455

1999-00 54793 59764 56634 54260 65368 161455

2000-01 54793 59764 56634 54260 65368 161455

2001-02 54793 59764 56634 54260 65368 161455

2002-03 54793 59764 56634 54260 65368 161455

2003-04 54793 59764 56634 54260 65368 161455

2004-05 54793 59764 56634 54260 65368 161455

2005-06 54793 59764 56634 54260 65368 161455

2006-07 54793 59764 56634 54260 65368 161455

2007-08 54793 59764 56634 54260 65368 161455

2008-09 54793 59764 56634 54260 65368 161455

2009-10 54793 59764 56634 54260 65368 161455

2010-11 54793 59764 56634 54260 65368 161455

2011-12 54793 59764 56634 54260 65368 161455

2012-13 54793 59764 56634 54260 65368 161455

2013-14 54793 59764 56634 54260 65368 161455

2014-15 54793 59764 56634 54260 65368 161455

2015-16 54793 59764 56634 54260 65368 161455

2016-17 54793 59764 56634 54260 65368 161455

2017-18 54793 59764 56634 54260 65368 161455

2018-19 54793 59764 56634 54260 65368 161455

2019-20 54793 59764 56634 54260 65368 161455

2020-21 54793 59764 56634 54260 65368 161455

2021-22 54793 59764 56634 54260 65368 161455

2022-23 54793 59764 56634 54260 65368 161455

2023-24 54793 59764 56634 54260 65368 161455

2024-25 54793 59764 56634 54260 65368 161455

2025-26 54793 59764 56634 54260 65368 161455

2026-27 54793 59764 56634 54260 65368 161455

2027-28 54793 59764 56634 54260 65368 161455

2028-29 54793 59764 56634 54260 65368 161455

2029-30 54793 59764 56634 54260 65368 161455

2030-31 54793 59764 56634 54260 65368 161455

2031-32 54793 59764 56634 54260 65368 161455

2032-33 54793 59764 56634 54260 65368 161455

2033-34 54793 59764 56634 54260 65368 161455

2034-35 54793 59764 56634 54260 65368 161455

2035-36 54793 59764 56634 54260 65368 161455

2036-37 54793 59764 56634 54260 65368 161455

2037-38 54793 59764 56634 54260 65368 161455

2038-39 54793 59764 56634 54260 65368 161455

2039-40 54793 59764 56634 54260 65368 161455

2040-41 54793 59764 56634 54260 65368 161455

2041-42 54793 59764 56634 54260 65368 161455

2042-43 54793 59764 56634 54260 65368 161455

2043-44 54793 59764 56634 54260 65368 161455

2044-45 54793 59764 56634 54260 65368 161455

2045-46 54793 59764 56634 54260 65368 161455

BOISE RIVER-IN ACRE FEET-
RS BEGINNING 1894-95.

PS BEGINNING 1894-95.

Chart 4.

[illegible]

RIVER-IN-ACRE FEET- GANNING 1894-95.

Chart 4.

June	July	August	September	Total.
225700	152580	63620	58000	1,559,520
146,2280	385,520	81960	57500	3,301,340
415,000	143,300	67250	62520	2,045,910
299,360	116,848	45708	39168	1,482,884
731400	356160	109940	68900	2,915,442
300640	84156	53496	51196	2,177,972
287420	116400	52222	49944	1,983,996
287160	106720	49496	40914	1,478,636
601880	147,580	53000	46344	2,269,936
521060	201920	71972	43830	3,017,216
247660	78860	39870	34660	418,300
346980	162900	52410	41090	4,102,950
534560	335640	101600	62066	3,207,016
524880	198500	64920	55524	1,843,334
655220	226800	63690	57220	3,743,690
310360	110040	53970	56390	3,758,160
740860	235040	74906	59728	2,494,344
677560	173980	83380	66080	2,478,710
415420	158660	82964	54290	2,066,494
307700	124130	58742	52654	2,193,214
191900	83978	40926	39672	1,194,406
594764	293818	80102	57680	2,593,206
643322	260216	65274	43950	3,237,186
461268	112120	56300	49922	2,032,820
240872	69736	36404	34262	1,674,800
393468	117328	40586	39034	1,548,852
118728	173590	63068	48784	2,905,228
659834	148086	65210	47974	2,160,833
376208	192504	67552	42944	1,766,536
76792	35296	24426	25320	892,742
367370	152598	60730	47302	2,336,520
105072	41132	30872	29480	411,374
725602	233700	74786	55734	2,677,270
305656	118292	51462	41304	1,448,946
285896	98288	36822	32488	1,336,000
251382	79234	43256	34720	1,342,541
110862	34670	23156	24046	946,844
458224	134298	52212	41746	1,916,880
538198	99610	40282	35556	1,580,330
86240	37252	22622	24966	1,106,080
363262	91334	39022	30052	1,585,108
319284	82558	43272	40936	1,990,794
178996	60820	25996	25958	1,167,414
505138	201292	71190	46910	2,625,882
227258	60358	43272	40936	1,990,794
266776	83332	53206	41318	1,400,910
437,009	158,268	58953	47,115	2,052,126

- (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.

27
2410
2
24
533
180
23
10
30
212
18
79
13
162
81
32
105
47
434
45
105
34
294
19
11
174

DISCHARGE, IN
BY DAYS DURING THE

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1446	1380	1372	1418	1570	1462	1405	1094	933	888
2	Penitentiary	0	0	0	0	0	0	0	0	0	0
3	Bubb	0	0	0	0	0	0	0	0	0	0
4	Ridenabugh	161	189	257	261	261	204	262	289	325	325
5	Settlers	0	16	16	34	34	34	34	39	39	56
6	Thurman Mill	0	0	0	0	0	0	10	18	16	14
7	Consumers (Crusen)	3	3	3	3	3	3	3	3	3	3
8	Boise City	0	0	0	0	0	0	0	8	9	10
9	Farmers' Union & B.V.	0	0	0	0	0	0	0	0	0	0
10	Little Union	0	0	0	0	0	0	0	0	9	9
11	New Dry Creek	0	0	0	0	0	0	0	0	0	0
12	Ballantine	0	0	0	0	0	0	0	5	5	5
13	Middleton Irrigation Ass'n.	20	28	28	29	30	33	38	43	46	49
14	Middleton Mill	0	0	0	0	0	0	0	0	0	0
15	Little Pioneer	0	0	0	0	0	0	0	0	10	10
16	Canyon County	0	0	23	22	20	22	24	26	28	31
17	7 Eagle Island Canals	0	0	0	0	0	0	0	0	0	0
18	Phyllis	209	224	248	271	265	190	240	267	274	274
19	Eureka #1	0	0	0	0	0	0	0	0	0	0
20	Caldwell High Line	10	10	10	10	10	24	24	24	29	29
21	Farmers' Coop	0	0	0	0	0	0	0	0	0	0
22	Campbell	0	0	0	0	0	12	12	13	13	14
23	Siebenberg	0	0	0	0	0	0	0	0	0	0
24	Riverside #2	0	0	0	0	0	0	0	0	0	0
25	Pioneer Dixie	0	0	0	0	0	0	0	0	30	33
26	Eureka #2	0	0	0	0	0	0	0	0	0	0
27	Upper Center Point	0	0	0	0	0	0	0	0	0	0
28	Lower Center Point	0	0	0	0	0	0	0	0	0	0
29	Miscellaneous	0	0	0	0	0	0	0	0	0	0
	Total Canal Diversions	1849	1850	1957	2048	2193	1984	2052	1829	1769	1750
30	River at Notus	489	480	453	430	516	565	354	253	283	378
	Totals	2338	2330	2410	2478	2709	2549	2406	2082	2052	2128

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS

BY DAYS DURING THE IRRIGATION SEASON OF 1941, INCLUDING STORAGE

APRIL

7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1405	1094	933	888	864	920	930	1065	1180	1389	1648	1763	1782	1782	1867	201
0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
262	289	325	325	325	350	356	367	405	411	475	483	499	500	506	53
34	39	39	56	56	56	56	56	56	69	98	113	129	138	151	158
10	18	16	14	12	12	12	13	13	13	13	14	15	16	17	18
3	3	3	3	4	4	4	4	4	5	5	5	6	6	7	7
0	8	9	10	11	12	14	15	16	17	18	19	20	21	22	23
0	0	0	0	0	0	0	111	116	121	126	126	132	137	143	154
0	0	9	9	8	8	7	2	1	1	1	1	1	2	2	8
0	0	0	0	0	0	0	10	15	20	27	32	44	47	58	69
0	5	5	5	5	5	5	5	5	5	5	6	7	8	9	10
38	43	46	49	52	55	58	60	100	70	69	108	118	122	138	144
0	0	0	0	0	0	0	0	0	23	30	38	46	51	87	87
0	0	10	10	11	11	12	12	13	13	14	15	16	18	20	22
24	26	28	31	30	29	29	24	35	22	36	49	60	88	106	107
0	0	0	0	0	0	0	12	15	18	21	24	27	30	34	38
240	267	274	274	274	282	276	276	316	326	347	351	368	378	389	388
0	0	0	0	0	0	15	15	15	16	16	21	21	34	42	42
24	24	29	29	34	34	34	44	44	44	39	39	39	44	51	68
0	0	0	0	0	0	39	50	91	105	105	106	120	124	148	208
12	13	13	14	15	16	17	18	19	20	22	22	22	21	21	21
0	0	0	0	0	0	10	12	14	16	17	16	15	14	14	13
0	0	0	0	0	40	50	60	70	80	84	93	102	111	120	129
0	0	30	33	36	39	42	45	48	53	58	57	56	55	54	53
0	0	0	0	0	0	0	0	0	0	0	4	8	12	16	20
0	0	0	0	0	0	0	0	0	9	9	10	11	12	13	14
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	10	12	14	16	18	20	22	24	26
2052	1829	1769	1750	1737	1873	1966	2287	2604	2881	3300	3535	3686	3795	4061	4380
354	253	283	378	484	382	322	350	215	135	104	70	56	59	89	190
2406	2082	2052	2128	2221	2255	2288	2637	2819	3016	3404	3605	3742	3854	4150	4570

17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
48	1763	1782	1782	1867	2011	2120	2225	2370	2410	2410	2373	2373	2270	48720
1	2	2	2	2	2	2	2	2	2	2	2	2	2	30
0	0	0	0	0	8	12	16	19	22	24	25	25	25	176
75	483	499	500	506	532	533	533	533	533	533	533	533	533	12,007
98	113	129	138	151	158	165	169	178	176	180	180	180	180	2,846
13	14	15	16	17	18	19	20	21	22	23	24	25	26	406
5	5	6	6	7	7	8	8	9	9	10	11	13	15	174
18	19	20	21	22	23	24	25	26	28	30	32	34	36	470
26	126	132	137	143	154	172	188	194	212	212	213	212	212	2,781
1	1	1	2	2	8	10	12	14	16	18	20	21	21	192
27	32	44	47	58	69	62	69	73	78	79	79	79	79	920
5	6	7	8	9	10	11	12	12	13	13	14	15	16	196
69	108	118	122	138	144	138	148	152	165	162	164	159	159	2,685
30	38	46	51	87	87	80	68	77	87	81	85	83	82	1,005
14	15	16	18	20	22	24	26	28	30	32	34	36	38	445
36	49	60	88	106	107	108	108	105	108	105	88	86	84	1,603
21	24	27	30	34	38	42	47	47	47	47	47	47	47	590
347	351	368	378	389	388	422	433	438	436	434	446	445	447	9,934
16	21	21	34	42	42	43	43	43	45	45	33	32	30	551
39	39	39	44	51	68	92	104	105	105	105	105	106	108	1,524
105	106	120	124	148	208	254	258	254	306	294	342	357	354	3,515
22	22	22	21	21	21	20	20	20	19	19	19	18	18	451
17	16	15	14	14	13	13	12	12	11	11	10	10	9	229
84	93	102	111	120	129	138	147	156	165	174	183	192	201	2,295
58	57	56	55	54	53	52	51	50	49	48	47	46	45	1,047
0	4	8	12	16	20	24	28	32	36	40	44	48	53	365
9	10	11	12	13	14	15	16	18	20	22	24	26	28	247
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	18	20	22	24	26	28	31	31	31	31	31	31	31	407
3300	3535	3686	3795	4061	4380	4631	4819	5019	5181	5184	5208	5234	5149	95,811
104	70	56	59	89	190	135	84	65	72	148	215	198	145	7,719
3404	3605	3742	3854	4150	4570	4766	4903	5084	5253	5332	5423	5432	5294	103,530

18	19	20	21	22	23	24	25	26	27	28	29	30	Total
1763	1782	1782	1867	2011	2120	2225	2370	2410	2410	2373	2373	2270	48720
2	2	2	2	2	2	2	2	2	2	2	2	2	30
0	0	0	0	8	12	16	19	22	24	25	25	25	176
483	499	500	506	532	533	533	533	533	533	533	533	533	12,007
113	129	138	151	158	165	169	178	176	180	180	180	180	2,846
14	15	16	17	18	19	20	21	22	23	24	25	26	406
5	6	6	7	7	8	8	9	9	10	11	13	15	174
19	20	21	22	23	24	25	26	28	30	32	34	36	470
126	132	137	143	154	172	188	194	212	212	213	212	212	2,781
1	1	2	2	8	10	12	14	16	18	20	21	21	192
32	44	47	58	69	62	69	73	78	79	79	79	79	920
6	7	8	9	10	11	12	12	13	13	14	15	16	196
108	118	122	138	144	138	148	152	165	162	164	159	159	2,685
38	46	51	87	87	80	68	77	87	81	85	83	82	1,005
15	16	18	20	22	24	26	28	30	32	34	36	38	445
49	60	88	106	107	108	108	105	108	105	88	86	84	1,603
24	27	30	34	38	42	47	47	47	47	47	47	47	590
351	368	378	389	388	422	433	438	436	434	446	445	447	9,934
21	21	34	42	42	43	43	43	45	45	33	32	30	551
39	39	44	51	68	92	104	105	105	105	105	106	108	1,524
106	120	124	148	208	254	258	254	306	294	342	357	354	3,515
22	22	21	21	21	20	20	20	19	19	19	18	18	451
16	15	14	14	13	13	12	12	11	11	10	10	9	229
93	102	111	120	129	138	147	156	165	174	183	192	201	2,295
57	56	55	54	53	52	51	50	49	48	47	46	45	1,047
4	8	12	16	20	24	28	32	36	40	44	48	53	365
10	11	12	13	14	15	16	18	20	22	24	26	28	247
0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	20	22	24	26	28	31	31	31	31	31	31	31	407
3535	3686	3795	4061	4380	4631	4819	5019	5181	5184	5208	5234	5149	95,811
70	56	59	89	190	135	84	65	72	148	215	198	145	7719
3605	3742	3854	4150	4570	4766	4903	5084	5253	5332	5423	5432	5294	103,530

DISCHARGE, 2

BY DAYS DURING THE

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	2285	2384	2080	1987	1843	1676	1524	1541	1786	1653
2	Penitentiary	6	6	6	6	6	6	6	6	6	6
3	Bubb	25	25	25	24	24	24	24	23	23	23
4	Ridenbaugh	522	522	522	522	490	490	522	0	0	95
5	Settlers	177	177	178	178	178	133	133	133	133	133
6	Thurman Mill	26	27	27	28	28	29	29	30	30	31
7	Consumers (Cruzen)	15	16	16	17	17	18	18	18	19	19
8	Boise City	36	36	36	36	36	36	36	36	36	36
9	Farmers' Union & BW.	211	211	216	216	212	210	211	170	170	178
10	Little Union	21	20	20	19	19	18	18	18	17	17
11	New Dry Creek	79	79	79	79	77	78	78	77	59	44
12	Ballantine	16	16	16	15	15	15	15	14	14	14
13	Middleton Irr. Ass'n.	159	159	158	143	126	126	111	111	96	90
14	Middleton Mill	82	82	81	62	46	39	40	28	28	28
15	Little Pioneer	37	37	36	36	35	35	34	34	33	32
16	Canyon County	77	72	68	61	64	60	55	49	43	40
17	7 Eagle Island Canals	47	47	47	47	47	47	47	47	47	47
18	Phyllis	454	452	452	447	398	382	390	331	297	329
19	Eureka #1	24	24	24	27	28	30	30	42	43	43
20	Caldwell High Line	97	73	54	54	49	49	48	48	48	55
21	Farmers' Coop	374	378	378	367	374	367	359	354	364	373
22	Campbell	18	17	17	17	17	17	17	17	16	16
23	Siebenberg	9	8	8	7	7	7	7	7	7	7
24	Riverside #2	210	220	230	239	248	248	247	247	246	246
25	Pioneer Dixie	45	44	44	43	43	43	44	44	45	45
26	Eureka #2	56	59	63	67	71	69	68	67	66	65
27	Upper Center Point	25	22	19	17	15	15	15	14	14	14
28	Lower Center Point	1	3	5	7	9	10	11	12	13	14
29	Miscellaneous	31	31	31	31	31	31	31	31	31	31
	Total Canal Diversions	5165	5247	4936	4799	4553	4308	4168	3549	3730	3724
30	River at Netus	143	198	360	408	378	322	205	168	208	78
	Totals	5308	5445	5296	5207	4931	4630	4373	3717	3938	3802

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1941, INCLUDING STORAGE

MAY															
8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1541	1786	1653	1653	1858	2075	2321	2477	2600	2595	2656	2673	2696	2752	2802	2831
6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7
23	23	23	22	22	22	21	21	20	20	19	19	18	18	17	17
0	0	95	342	416	507	527	490	492	518	518	518	518	537	539	521
133	133	133	133	140	158	150	150	153	159	164	165	171	179	180	191
30	30	31	31	32	32	33	33	34	35	35	34	34	34	34	33
18	19	19	19	20	20	20	21	21	21	21	21	21	21	21	21
36	36	36	36	36	36	36	36	36	36	37	34	35	34	35	33
170	170	178	179	186	200	200	201	200	220	208	209	210	211	218	221
18	17	17	17	16	16	16	15	15	15	16	17	18	19	20	21
77	59	44	52	74	74	75	74	59	73	74	74	74	71	70	74
14	14	14	14	13	13	13	13	12	12	12	11	11	11	10	10
111	96	90	130	132	134	134	147	124	120	122	121	120	98	133	154
28	28	28	46	64	69	71	82	57	57	52	60	60	60	35	30
34	33	32	31	30	29	28	27	26	26	26	25	25	25	24	24
49	43	40	37	75	76	78	65	84	81	78	71	75	80	80	77
47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	47
331	297	329	349	372	374	378	366	390	379	390	372	399	406	397	401
42	43	43	42	42	40	42	46	46	52	52	52	53	48	47	46
48	48	55	54	85	96	96	95	80	81	80	58	57	90	90	101
354	364	373	327	303	323	376	362	342	362	366	357	362	366	362	357
17	16	16	16	16	15	15	15	15	15	15	15	15	15	15	16
7	7	7	6	6	6	6	6	6	6	7	7	8	8	9	9
247	246	246	244	244	243	242	241	240	239	237	236	235	234	233	232
44	45	45	46	46	47	48	49	50	48	47	46	45	44	43	42
67	66	65	64	63	62	61	59	60	61	61	62	63	64	66	68
14	14	14	13	13	13	12	12	12	11	10	9	8	7	7	6
12	13	14	15	16	17	19	21	23	23	24	24	25	25	26	26
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	31
3549	3730	3724	4002	4404	4781	5102	5208	5281	5349	5411	5374	5440	5541	5598	5663
168	208	78	56	42	36	152	1780	1200	945	1220	1500	1250	560	262	340
3717	3938	3802	4058	4446	4817	5254	6988	6481	6294	6631	6874	6690	6101	5860	6003

Chart No. 5-a

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
2673	2696	2752	2802	2836	2802	2802	2802	2780	2774	2757	2735	2735	72940
6	6	6	7	7	7	7	7	7	7	7	7	7	196
19	18	18	17	17	16	16	15	15	14	14	14	13	613
518	518	537	539	525	535	530	523	516	519	497	497	497	14246
165	171	179	180	190	192	193	192	191	191	193	165	155	5117
34	34	34	34	34	34	34	34	34	34	34	32	30	986
21	21	21	21	21	21	21	21	21	21	21	20	19	606
34	35	34	35	37	38	38	37	37	37	37	37	36	1121
209	210	211	218	224	225	226	227	228	228	228	225	210	6468
17	18	19	20	21	22	23	24	25	26	26	26	25	605
74	74	71	70	74	77	77	79	79	79	78	78	78	2272
11	11	11	10	10	10	9	9	8	8	7	7	7	370
121	120	98	133	154	217	232	215	205	144	158	142	144	4405
60	60	60	35	30	50	87	108	91	83	65	68	58	1869
25	25	25	24	24	24	23	23	23	23	22	22	21	876
71	75	80	80	77	74	80	87	84	83	82	67	88	2191
47	47	47	47	47	47	47	47	47	47	47	47	47	1457
372	399	406	397	401	411	402	393	384	386	384	383	351	11999
52	53	48	47	46	45	45	45	45	43	43	43	43	1275
58	57	90	90	101	101	100	99	91	86	82	75	69	2341
357	362	366	362	357	352	352	371	376	376	366	333	328	11107
15	15	15	15	16	16	16	16	16	16	16	16	16	495
7	8	8	9	9	10	10	11	11	12	12	11	11	252
236	235	234	233	232	231	230	229	228	227	226	225	224	7301
46	45	44	43	42	41	40	39	38	37	37	37	37	1347
62	63	64	66	68	70	72	74	76	78	76	74	72	2057
9	8	7	7	6	6	5	5	4	4	4	4	5	340
24	25	25	26	26	27	27	28	29	30	28	26	24	588
31	31	31	31	31	31	31	31	31	31	31	31	31	961
5374	5440	5541	5598	5663	5732	5775	5791	5720	5644	5578	5447	5381	156401
1500	1250	560	262	340	1060	2230	2440	3420	4080	3180	2580	2580	33381
6874	6690	6101	5860	6003	6792	8005	8231	9140	9724	8758	8027	7961	189782

DISCHARGE

BY DAYS DURING

No.	Name of Canal	1	2	3	4	5	6	7	8	9
1	New York Canal (MC #2)	2740	2735	2740	2740	2757	2757	2763	2462	1930
2	Penitentiary	4	4	4	4	4	4	4	4	4
3	Bubb	13	13	12	12	12	11	11	11	10
4	Ridenbaugh	497	497	497	529	519	539	287	106	120
5	Settlers	155	155	147	147	153	156	156	56	56
6	Thurman Mill	29	28	27	26	25	24	23	22	19
7	Consumers (Crusen)	18	17	16	15	14	13	12	12	11
8	Moise City	35	34	33	32	31	30	28	26	24
9	Farmers' Union & B.V.	224	226	223	82	220	230	237	133	124
10	Little Union	25	24	23	22	21	21	20	20	19
11	New Dry Creek	75	76	76	73	73	63	71	71	74
12	Ballantine	7	7	6	6	6	5	5	5	4
13	Middleton Irr. Ass'n.	132	132	113	111	120	115	122	133	133
14	Middleton Mill	57	55	40	39	39	48	36	38	34
15	Little Pioneer	20	19	18	17	16	15	14	13	12
16	Canyon County	75	62	58	67	75	80	60	47	34
17	7 Eagle Island Canals	47	47	47	47	47	47	47	47	47
18	Phyllis	350	357	322	320	318	306	355	357	361
19	Eureka #1	28	28	28	28	28	28	26	24	22
20	Caldwell High Line	45	45	44	68	67	67	49	43	23
21	Farmers' Coop	318	299	285	270	266	268	282	254	206
22	Campbell	16	16	16	16	16	15	15	15	15
23	Siebenberg	10	10	9	9	8	8	7	7	6
24	Riverside #2	223	223	223	222	222	222	222	221	221
25	Pioneer Dixie	37	36	36	36	36	35	35	35	35
26	Eureka #2	70	68	66	64	62	60	58	56	54
27	Upper Center Point	5	6	6	7	7	8	8	9	9
28	Lower Center Point	22	20	19	18	17	16	15	14	13
29	Miscellaneous	31	31	31	31	31	31	31	31	31
	Total Canal Diversions	5308	5270	5165	5058	5210	5222	4999	4272	3651
30	River at Notus	2440	2370	1600	1230	1060	797	1300	3340	4160
	Totals	7748	7640	6765	6288	6270	6019	6299	7612	7811

69

BY DAYS DURING THE IRRIGATION SEASON OF 1941, INCLUDING STORAGE

JUNE

	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
2462	1930	1982	1982	2026	1886	1886	1920	2050	2225	2373	2462	2255	2358	2430	
4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	
11	10	10	10	10	11	12	13	14	15	15	15	15	16	16	
106	120	144	263	338	479	479	479	479	479	518	518	494	494	500	
56	56	54	55	90	112	123	141	155	147	161	161	165	165	163	
22	19	16	13	17	21	25	29	33	37	37	36	36	35	35	
12	11	11	10	11	12	13	14	16	18	18	18	18	18	19	
26	24	22	20	22	24	26	29	32	35	33	31	33	31	31	
133	124	170	171	167	180	181	205	207	206	207	170	209	207	205	
20	19	19	18	17	16	15	14	13	13	14	14	15	15	16	
71	74	74	73	72	71	71	74	70	65	64	63	57	43	0	
5	4	4	4	4	6	8	10	11	12	12	11	11	10	10	
133	133	122	112	110	125	129	129	108	153	146	142	146	123	101	
38	34	34	61	64	60	60	60	56	48	36	40	48	34	22	
13	12	11	10	12	14	16	18	20	22	24	26	27	28	29	
47	34	46	57	66	77	82	80	77	74	74	73	61	67	60	
47	47	47	47	47	47	47	47	47	47	47	47	47	47	47	
357	361	280	306	295	313	314	301	329	350	361	344	344	287	337	
24	22	20	18	30	30	41	41	41	41	41	41	41	41	41	
43	23	18	17	22	56	75	63	70	64	61	57	26	24	21	
254	206	201	196	191	316	318	306	323	311	299	278	280	230	218	
15	15	15	15	15	15	13	11	10	9	8	7	6	5	4	
7	6	6	5	5	5	5	5	5	5	5	5	5	5	5	
221	221	221	221	220	220	220	220	220	220	220	220	220	220	220	
35	35	34	34	34	34	34	34	34	34	33	33	33	33	33	
56	54	52	50	48	47	45	43	41	39	37	35	33	31	30	
9	9	10	10	11	11	10	9	8	7	6	5	4	3	2	
14	13	12	11	10	9	9	9	9	9	8	8	8	8	8	
31	31	31	31	31	31	31	31	31	31	31	31	31	31	31	
4272	3651	3670	3824	3989	4232	4292	4339	4513	4720	4893	4895	4671	4612	4637	
3340	4160	3260	2800	2440	2160	2300	2230	1840	1290	833	890	1160	897	570	
7612	7811	6930	6624	6429	6392	6592	6569	6353	6010	5726	5785	5831	5509	5207	

Chart No. 5-B

18	19	20	21	22	23	24	25	26	27	28	29	30	Total
2373	2462	2255	2358	2430	1934	1749	1853	1838	1838	1782	1616	1524	65593
4	4	3	3	3	3	3	3	3	3	3	3	3	109
15	15	15	16	16	16	16	16	16	15	15	14	14	399
518	518	494	494	500	510	510	510	529	529	520	520	526	13409
161	161	165	165	163	168	169	172	175	175	182	182	169	4265
37	36	36	35	35	34	34	33	33	33	33	32	32	857
18	18	18	18	19	19	19	19	18	17	17	16	16	465
33	31	33	31	31	32	33	34	36	36	10	33	33	889
207	170	209	207	205	207	210	209	211	220	211	220	196	5868
14	14	15	15	16	16	17	18	17	16	15	14	13	520
64	63	57	43	0	0	65	55	67	0	66	65	65	1832
12	11	11	10	10	9	9	8	8	7	6	5	4	220
146	142	146	123	101	110	97	65	101	110	107	110	111	3568
36	40	48	34	22	21	19	18	25	54	51	48	52	1297
24	26	27	28	29	30	31	32	34	36	38	39	40	681
74	73	61	67	60	54	31	54	76	68	59	59	59	1912
47	47	47	47	47	47	47	47	47	47	47	47	47	1410
361	344	344	287	337	355	375	385	385	300	342	326	318	9993
41	41	41	41	41	42	42	42	42	42	42	42	42	1043
61	57	26	24	21	39	43	46	74	49	56	27	31	1390
299	278	280	230	218	258	213	213	158	230	268	261	261	7777
8	7	6	5	4	3	4	5	6	7	8	9	10	325
5	5	5	5	5	5	6	6	6	6	6	6	6	187
220	220	220	220	220	220	220	220	220	220	221	221	221	6624
33	33	33	33	33	33	33	33	33	33	32	32	32	1019
37	35	33	31	30	29	30	31	32	34	36	38	40	1359
6	5	4	3	2	2	3	4	5	6	7	8	9	205
8	8	8	8	8	8	8	7	7	6	6	5	5	324
31	31	31	31	31	31	31	31	31	31	31	31	31	930
4893	4895	4671	4612	4637	4235	4067	4169	4233	4168	4217	4029	3910	134470
833	890	1160	897	570	354	175	107	64	89	175	253	259	42443
5726	5785	5831	5509	5207	4589	4242	4276	4297	4257	4392	4282	4169	176913

DISCHARGE,
BY DAYS DURING THE

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1462	1462	1471	1479	1532	1541	1653	1838	1896	1968
2	Penitentiary	7	7	7	7	7	7	7	7	7	7
3	Bubb	12	12	12	12	12	12	12	12	12	13
4	Ridenbaugh	543	532	519	523	523	523	523	452	467	464
5	Settlers	164	166	170	175	174	171	170	169	145	144
6	Thurman Mill	32	33	34	35	36	37	38	40	43	43
7	Consumers (Cruzen)	15	16	16	17	17	18	18	19	20	20
8	Boise City	32	34	34	33	34	32	33	34	35	35
9	Farmers' Union & B.V.	199	207	209	211	213	215	202	205	205	208
10	Little Union	12	12	12	13	13	13	14	14	14	13
11	New Dry Creek	66	66	65	65	63	58	58	58	57	57
12	Ballantine	3	16	16	16	16	16	16	16	16	16
13	Middleton Irrigation Ass'n	110	120	120	115	113	111	104	105	100	100
14	Middleton Mill	31	40	62	60	62	59	56	53	48	49
15	Little Pioneer	41	42	40	38	36	34	32	30	28	27
16	Canyon County	55	42	71	75	79	77	82	77	74	66
17	7 Eagle Island Canals	47	47	47	47	47	35	35	35	35	35
18	Phyllis	316	315	316	326	327	326	327	327	240	233
19	Eureka #1	29	30	31	32	33	34	35	37	39	38
20	Caldwell High Line	36	51	58	63	82	77	85	80	81	57
21	Farmers' Coop	244	227	218	232	242	218	213	142	122	108
22	Campbell	11	12	13	12	11	10	9	8	8	7
23	Siebenberg	6	6	6	7	8	9	10	12	14	16
24	Riverside #2	221	221	221	213	205	198	191	184	177	170
25	Pioneer Dixie	32	32	32	31	30	29	28	27	26	25
26	Eureka #2	42	44	46	43	40	37	35	33	31	29
27	Upper Center Point	10	11	13	13	13	13	12	12	12	12
28	Lower Center Point	4	4	4	6	8	10	12	14	16	18
29	Miscellaneous	31	31	31	31	31	24	24	24	24	24
	Total Canal Diversions	3813	3838	3894	3930	4007	3944	4034	4064	3992	4002
30	River at Notus	148	78	59	48	41	25	25	23	21	20
	Totals	3961	3916	3953	3978	4048	3969	4059	4087	4013	4022

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS

BY DAYS DURING THE IRRIGATION SEASON OF 1941, INCLUDING STORAGE

JULY

7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
1653	1838	1896	1968	1954	1958	1958	1963	1958	1930	1910	1901	1886	1791	1782	1
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
12	12	12	13	13	14	14	15	16	17	17	17	17	17	16	
523	452	467	464	464	464	455	452	452	452	452	452	452	452	452	
170	169	145	144	144	146	116	116	115	121	113	113	113	114	114	
38	40	43	43	43	43	44	44	44	44	42	41	39	38	37	
18	19	20	20	21	21	22	22	23	24	24	24	24	25	25	
33	34	35	35	35	34	34	34	35	37	37	37	37	25	25	
202	205	205	208	185	168	168	167	167	160	169	171	173	156	157	1
14	14	14	13	13	13	12	12	12	11	11	11	11	11	11	
58	58	57	57	47	42	47	40	39	44	45	45	0	41	41	4
16	16	16	16	16	15	15	15	14	14	14	13	13	12	12	1
104	105	100	100	88	91	92	71	74	80	83	69	68	67	66	6
56	53	48	49	48	48	48	34	35	28	30	34	33	31	33	3
32	30	28	27	26	26	25	25	24	24	25	25	26	26	27	2
82	77	74	66	61	61	66	68	68	69	62	66	63	59	48	4
35	35	35	35	28	28	28	28	28	28	28	28	28	28	28	28
327	327	240	233	232	270	274	281	270	264	262	264	266	255	255	257
35	37	39	38	37	36	35	34	33	32	22	22	22	16	16	15
85	80	81	57	82	86	61	63	67	70	61	64	68	71	47	46
213	142	122	108	99	124	158	184	201	232	232	201	213	198	189	198
9	8	8	7	7	8	9	10	11	12	13	14	13	12	11	10
10	12	14	16	18	17	16	15	14	14	13	13	11	9	7	5
191	184	177	170	162	157	152	147	142	137	132	127	128	129	130	132
28	27	26	25	25	27	30	33	36	39	47	45	43	41	39	38
35	33	31	29	27	29	31	33	35	37	39	42	41	40	39	38
12	12	12	12	12	12	13	13	14	14	15	15	14	14	13	13
12	14	16	18	20	20	20	20	20	20	20	20	19	19	18	18
24	24	24	24	19	19	19	19	19	19	19	19	19	19	19	19
4034	4064	3992	4002	3933	3984	3969	3965	3973	3980	3944	3900	3847	3723	3664	3645
25	23	21	20	21	21	21	23	26	28	31	30	27	24	26	25
4059	4087	4013	4022	3954	4005	3990	3988	3999	4008	3975	3930	3874	3747	3690	3670

Chart No. 5-C

18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
01	1886	1791	1782	1754	1717	1680	1575	1508	1516	1503	1349	1272	1173	52340
7	7	7	7	7	7	7	6	6	6	6	6	6	6	210
17	17	17	16	16	16	16	16	16	16	15	15	15	15	450
52	452	452	452	458	458	453	450	450	460	453	453	453	453	14609
13	113	114	114	115	116	117	117	116	116	115	115	117	117	4134
41	39	38	37	35	33	33	33	32	32	32	31	31	31	1153
24	24	25	25	25	25	25	24	23	22	21	21	20	20	657
37	37	25	25	26	26	28	28	27	26	25	26	27	26	971
71	173	156	157	161	162	163	165	165	157	158	158	159	155	5518
11	11	11	11	11	11	11	10	10	10	9	9	9	9	357
45	0	41	41	41	41	40	40	41	41	42	42	39	39	1450
13	13	12	12	11	10	10	10	9	9	8	8	8	8	391
69	68	67	66	65	64	62	66	65	65	69	78	77	71	2629
34	33	31	33	30	29	28	31	29	33	32	39	32	34	1239
25	26	26	27	27	28	27	26	25	24	23	22	21	20	870
66	63	59	48	46	46	46	45	46	52	58	62	51	46	1887
28	28	28	28	28	28	28	28	28	28	28	28	28	28	998
264	266	255	255	257	249	247	247	250	250	250	251	233	231	8411
22	22	16	16	15	17	17	17	17	17	17	18	19	21	818
64	68	71	47	46	47	49	44	64	75	63	62	62	60	1982
201	213	198	189	198	186	186	162	126	148	184	194	198	198	5777
14	13	12	11	10	9	8	9	10	11	12	13	14	15	332
13	11	9	7	5	4	3	3	4	4	5	5	6	6	286
127	128	129	130	132	134	136	142	148	154	160	166	172	179	5067
45	43	41	39	38	37	36	35	34	33	32	31	30	30	1033
42	41	40	39	38	37	36	36	37	37	38	38	39	39	1148
15	14	14	13	13	12	12	12	12	12	13	13	13	13	395
20	19	19	18	18	17	17	16	15	14	13	13	12	12	459
19	19	19	19	19	19	19	19	19	19	19	19	19	19	674
3900	3847	3723	3664	3645	3585	3540	3412	3332	3387	3403	3285	3182	3074	116245
30	27	24	26	25	24	27	24	24	28	34	36	38	39	1065
3930	3874	3747	3690	3670	3609	3567	3436	3356	3415	3437	3321	3220	3113	117310

DISCHARGE, IN
BY DAYS DURING THE IR

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	
1	New York Canal (MC #2)	1169	1202	1212	1275	1360	1405	1458	1487	1499	1499	15
2	Penitentiary	6	6	6	6	6	6	6	6	6	6	
3	Bubb	14	14	14	13	13	13	13	13	13	13	
4	Ridenbaugh	448	450	450	451	451	453	453	450	463	464	4
5	Settlers	117	116	115	114	113	114	114	110	109	110	1
6	Thurman Mill	31	32	32	33	33	34	35	32	29	26	
7	Consumers (Cruzen)	20	20	20	19	19	19	19	19	18	18	
8	Boise City	27	27	27	27	27	27	27	24	25	26	
9	Farmers' Union & B.V.	154	154	154	153	153	153	154	152	152	151	13
10	Little Union	9	9	9	8	8	8	8	8	8	8	
11	New Dry Creek	39	39	39	39	39	39	38	42	42	41	4
12	Ballantine	9	9	10	10	11	12	13	13	13	12	1
13	Middleton Irr. Ass'n.	72	77	77	76	78	79	75	82	76	76	75
14	Middleton Mill	39	39	39	39	38	31	34	36	32	33	31
15	Little Pioneer	20	20	20	20	20	20	20	20	20	20	18
16	Canyon County	46	45	49	52	54	51	53	55	58	54	49
17	7 Eagle Island Canals	28	28	28	28	28	28	28	28	28	28	28
18	Phyllis	232	232	223	223	238	250	247	252	250	268	258
19	Eureka #1	22	22	22	22	22	22	22	20	19	19	18
20	Caldwell High Line	61	54	42	40	46	46	46	40	33	60	63
21	Farmers' Coop	170	142	150	130	138	136	144	162	155	162	186
22	Campbell	15	15	16	16	17	17	18	18	17	16	15
23	Siebenberg	6	6	7	7	7	8	8	8	9	10	11
24	Riverside #2	171	163	155	147	139	131	124	117	118	119	120
25	Pioneer Dixie	29	29	28	28	27	27	26	26	26	26	25
26	Eureka #2	39	39	39	39	40	40	40	40	43	46	49
27	Upper Center Point	13	13	13	13	13	13	13	13	14	15	16
28	Lower Center Point	12	12	12	12	11	11	11	11	13	15	17
29	Miscellaneous	19	19	19	19	19	19	19	19	19	19	19
	Total Canal Diversions	3037	3033	3027	3059	3168	3212	3266	3303	3307	3360	3373
30	River at Netus	38	36	35	35	38	37	33	34	34	29	32
	Totals	3075	3069	3062	3094	3206	3249	3299	3337	3341	3389	3405

DISCHARGE, IN SECOND FEET, OF POISE VALLEY CANALS

BY DAYS DURING THE IRRIGATION SEASON OF 1941, INCLUDING STORAGE

AUGUST

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1487	1499	1499	1516	1438	1327	1353	1297	1279	1272	1294	1275	1264	1209	1187	1209
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
13	13	13	13	13	12	12	12	11	11	11	11	10	10	11	11
450	463	464	466	447	447	447	450	466	461	462	462	452	452	452	452
110	109	110	109	114	114	114	121	122	123	136	137	131	143	143	144
32	29	26	23	20	20	20	20	20	20	20	20	20	20	20	20
19	18	18	18	18	18	17	17	16	16	15	14	13	13	14	14
24	25	26	28	30	23	23	23	23	23	10	23	26	24	25	26
152	152	151	135	137	134	136	136	137	137	138	139	133	133	132	132
8	8	8	8	8	8	8	9	9	9	9	9	9	10	10	10
42	42	41	41	40	41	41	41	45	43	44	45	46	48	46	42
13	13	12	12	12	12	11	11	10	10	9	9	8	8	8	7
82	76	76	75	75	71	74	72	71	72	75	75	65	68	64	68
36	32	33	31	30	32	32	33	34	36	41	40	38	40	39	38
20	20	20	18	16	16	10	16	16	16	17	17	17	20	24	24
55	58	54	49	59	49	39	40	42	47	52	46	42	45	41	40
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
252	250	268	258	253	248	248	256	256	253	258	248	247	245	252	252
20	19	19	18	18	18	18	18	18	19	19	19	19	19	19	19
40	33	60	63	58	56	59	49	48	51	55	54	47	47	61	61
162	155	162	186	203	182	172	174	177	177	194	198	215	201	191	201
18	17	16	15	15	14	14	12	11	10	9	8	7	6	5	4
8	9	10	11	12	13	15	14	13	13	12	12	11	10	9	8
117	118	119	120	121	123	125	127	129	131	133	135	137	139	141	143
26	26	26	25	25	25	24	23	23	23	24	24	25	26	26	26
40	43	46	49	52	55	50	45	40	46	52	58	55	53	51	49
13	14	15	16	18	20	17	14	12	11	10	10	10	10	9	9
11	13	15	17	19	22	22	22	21	21	21	21	20	19	18	17
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
3303	3307	3360	3373	3304	3153	3154	3105	3102	3104	3173	3162	3120	3071	3051	3071
34	34	29	32	36	66	55	50	46	44	46	79	74	58	51	57
3337	3341	3389	3405	3340	3219	3209	3155	3148	3148	3219	3241	3194	3129	3102	3128

Chart No. 5-D

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
1275	1264	1209	1187	1202	1194	1209	1223	1158	1144	1097	1072	1090	39666
6	6	6	6	6	6	6	6	6	6	5	5	5	183
11	10	10	11	11	12	13	13	13	13	14	14	14	387
462	452	452	452	451	451	451	436	436	436	436	436	436	13966
137	131	143	143	144	144	144	137	137	138	138	138	138	3897
20	20	20	20	20	21	21	21	21	21	21	21	21	748
14	13	13	14	14	15	16	16	16	16	16	15	15	519
23	26	24	25	26	27	27	26	26	26	26	26	26	781
139	133	133	132	132	131	126	126	126	126	125	125	125	4299
9	9	10	10	10	11	11	11	11	11	11	11	11	287
45	46	48	46	42	46	47	35	42	42	39	42	42	1295
9	8	8	8	7	7	7	7	7	7	8	8	8	298
75	65	68	64	68	68	68	45	70	71	68	69	70	2222
40	38	40	39	38	30	32	38	30	32	32	32	31	1081
17	17	20	24	24	23	23	21	20	19	19	19	19	590
46	42	45	41	40	41	42	34	43	42	40	40	40	1430
28	28	28	28	28	28	28	28	28	28	28	28	28	868
248	247	245	252	252	252	0	0	0	0	0	0	0	5941
19	19	19	19	19	19	17	17	17	17	17	17	17	591
54	47	47	61	61	60	50	60	60	60	59	59	59	1644
198	215	201	191	201	206	208	208	206	201	196	198	198	5581
8	7	6	5	4	3	3	3	4	4	5	5	6	328
12	11	10	9	8	7	7	7	7	7	6	6	6	282
135	137	139	141	143	145	148	148	147	147	146	146	145	4260
24	25	26	26	26	27	27	27	27	27	28	28	28	810
58	55	53	51	49	47	45	44	43	42	41	41	40	1403
10	10	10	9	9	9	9	9	9	9	9	9	10	372
21	20	19	18	17	16	16	16	16	17	17	17	18	513
19	19	19	19	19	19	19	19	19	19	19	19	19	589
3162	3120	3071	3051	3071	3065	2820	2781	2745	2728	2666	2646	2665	94831
79	74	58	51	57	55	59	60	69	84	82	65	58	1575
3241	3194	3129	3102	3128	3120	2879	2841	2814	2812	2748	2711	2723	96406

DISCHARGE, IN S
BY DAYS DURING THE IRR

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1108	1086	984	977	990	990	1000	984	977	958
2	Penitentiary	4	4	4	3	3	3	3	3	3	3
3	Bubb	14	15	15	15	15	15	15	15	15	14
4	Ridenbaugh	468	468	472	472	472	438	438	448	447	366
5	Settlers	138	139	125	126	132	133	121	121	115	115
6	Thurman Mill	20	20	20	20	20	20	20	20	20	20
7	Consumers (Cruzen)	15	15	15	14	14	14	14	14	14	14
8	Boise City	29	28	0	31	32	32	32	32	31	31
9	Farmers' Union & B.V.	124	124	124	123	123	123	123	123	123	118
10	Little Union	11	11	11	11	11	11	11	11	11	11
11	New Dry Creek	43	41	41	42	41	41	41	42	42	41
12	Ballantine	8	8	8	8	7	7	7	7	6	6
13	Middleton Irr. Ass'n.	70	73	71	60	60	58	56	56	58	58
14	Middleton Mill	32	32	32	30	31	30	30	30	28	28
15	Little Pioneer	18	18	18	17	17	17	17	17	17	17
16	Canyon County	44	39	42	42	42	42	37	31	36	41
17	7 Eagle Island Canals	28	28	28	28	28	28	28	28	28	28
18	Phyllis	73	139	196	211	211	225	222	223	223	225
19	Eureka #1	16	16	16	16	16	15	15	15	15	15
20	Caldwell High Lane	58	58	58	50	57	57	44	44	39	39
21	Farmers' Coop	213	213	189	210	213	210	208	203	198	198
22	Campbell	6	7	7	8	8	8	8	8	8	8
23	Siebenberg	6	5	5	5	5	5	5	5	5	5
24	Riverside #2	145	145	144	144	144	144	145	145	146	146
25	Pioneer Dixie	28	29	29	29	29	29	29	28	28	28
26	Eureka #2	40	39	39	38	38	38	38	37	37	37
27	Upper Center Point	10	10	10	10	10	10	10	10	10	10
28	Lower Center Point	18	18	19	19	19	19	19	19	19	19
29	Miscellaneous	19	19	19	19	19	19	19	19	19	19
	Total Canal Diversions	2806	2847	2741	2778	2807	2781	2755	2738	2718	2618
30	River at Netus	62	71	127	175	190	162	141	133	114	112
	Totals	2868	2918	2868	2953	2997	2943	2896	2871	2832	2730

DISCHARGE, IN S
BY DAYS DURING THE IRR

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1108	1086	984	977	990	990	1000	984	977	958
2	Penitentiary	4	4	4	3	3	3	3	3	3	3
3	Bubb	14	15	15	15	15	15	15	15	15	14
4	Ridenbaugh	468	468	472	472	472	438	438	448	447	366
5	Settlers	138	139	125	126	132	133	121	121	115	115
6	Thurman Mill	20	20	20	20	20	20	20	20	20	20
7	Consumers (Cruzen)	15	15	15	14	14	14	14	14	14	14
8	Boise City	29	28	0	31	32	32	32	32	31	31
9	Farmers' Union & B.V.	124	124	124	123	123	123	123	123	123	118
10	Little Union	11	11	11	11	11	11	11	11	11	11
11	New Dry Creek	43	41	41	42	41	41	41	42	42	41
12	Ballantine	8	8	8	8	7	7	7	7	6	6
13	Middleton Irr. Ass'n.	70	73	71	60	60	58	56	56	58	58
14	Middleton Mill	32	32	32	30	31	30	30	30	28	28
15	Little Pioneer	18	18	18	17	17	17	17	17	17	17
16	Canyon County	44	39	42	42	42	42	37	31	36	41
17	7 Eagle Island Canals	28	28	28	28	28	28	28	28	28	28
18	Phyllis	73	139	196	211	211	225	222	223	223	225
19	Eureka #1	16	16	16	16	16	15	15	15	15	15
20	Caldwell High Line	58	58	58	50	57	57	44	44	39	39
21	Farmers' Coop	213	213	189	210	213	210	208	203	198	198
22	Campbell	6	7	7	8	8	8	8	8	8	8
23	Siebenberg	6	5	5	5	5	5	5	5	5	5
24	Riverside #2	145	145	144	144	144	144	145	145	146	146
25	Pioneer Dixie	28	29	29	29	29	29	29	28	28	28
26	Eureka #2	40	39	39	38	38	38	38	37	37	37
27	Upper Center Point	10	10	10	10	10	10	10	10	10	10
28	Lower Center Point	18	18	19	19	19	19	19	19	19	19
29	Miscellaneous	19	19	19	19	19	19	19	19	19	19
	Total Canal Diversions	2806	2847	2741	2778	2807	2781	2755	2738	2718	2618
30	River at Netus	62	71	127	175	190	162	141	133	114	112
	Totals	2868	2918	2868	2953	2997	2943	2896	2871	2832	2730

DISCHARGE, IN S
BY DAYS DURING THE IRR

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	
1	New York Canal (MC #2)	1108	1086	984	977	990	990	1000	984	977	958	97
2	Penitentiary	4	4	4	3	3	3	3	3	3	3	
3	Bubb	14	15	15	15	15	15	15	15	15	14	1
4	Ridenbaugh	468	468	472	472	472	438	438	448	447	366	36
5	Settlers	138	139	125	126	132	133	121	121	115	115	10
6	Thurman Mill	20	20	20	20	20	20	20	20	20	20	1
7	Consumers (Cruzen)	15	15	15	14	14	14	14	14	14	14	14
8	Boise City	29	28	0	31	32	32	32	32	31	31	31
9	Farmers' Union & B.V.	124	124	124	123	123	123	123	123	123	118	117
10	Little Union	11	11	11	11	11	11	11	11	11	11	11
11	New Dry Creek	43	41	41	42	41	41	41	42	42	41	41
12	Ballantine	8	8	8	8	7	7	7	7	6	6	6
13	Middleton Irr. Ass'n.	70	73	71	60	60	58	56	56	58	58	58
14	Middleton Mill	32	32	32	30	31	30	30	30	28	28	28
15	Little Pioneer	18	18	18	17	17	17	17	17	17	17	17
16	Canyon County	44	39	42	42	42	42	37	31	36	41	46
17	7 Eagle Island Canals	28	28	28	28	28	28	28	28	28	28	28
18	Phyllis	73	139	196	211	211	225	222	223	223	225	218
19	Eureka #1	16	16	16	16	16	15	15	15	15	15	14
20	Caldwell High Line	58	58	58	50	57	57	44	44	39	39	39
21	Farmers' Coop	213	213	189	210	213	210	208	203	198	198	203
22	Campbell	6	7	7	8	8	8	8	8	8	8	8
23	Siebenberg	6	5	5	5	5	5	5	5	5	5	5
24	Riverside #2	145	145	144	144	144	144	145	145	146	146	147
25	Pioneer Dixie	28	29	29	29	29	29	29	28	28	28	27
26	Eureka #2	40	39	39	38	38	38	38	37	37	37	36
27	Upper Center Point	10	10	10	10	10	10	10	10	10	10	10
28	Lower Center Point	18	18	19	19	19	19	19	19	19	19	19
29	Miscellaneous	19	19	19	19	19	19	19	19	19	19	19
	Total Canal Diversions	2806	2847	2741	2778	2807	2781	2755	2738	2718	2618	2618
30	River at Netus	62	71	127	175	190	162	141	133	114	112	104
	Totals	2868	2918	2868	2953	2997	2943	2896	2871	2832	2730	2722

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1941, INCLUDING STORAGE

SEPTEMBER

7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
000	984	977	958	971	981	945	882	892	920	1003	1090	1209	1220	0	0
3	3	3	3	3	3	3	3	3	3	3	3	3	3	0	0
15	15	15	14	14	13	13	12	12	12	11	11	10	10	0	0
438	448	447	366	366	366	369	369	368	371	371	371	371	377	377	377
121	121	115	115	103	104	98	98	98	100	93	93	93	84	84	85
20	20	20	20	19	19	19	19	19	18	18	18	18	18	17	17
14	14	14	14	14	14	14	14	14	13	13	13	13	13	13	13
32	32	31	31	31	30	31	29	28	23	23	24	24	25	24	25
123	123	123	118	117	117	117	117	117	106	106	106	105	105	105	105
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
41	42	42	41	41	41	41	42	42	42	42	42	41	40	40	39
7	7	6	6	6	6	5	5	5	5	4	4	4	4	3	3
56	56	58	58	58	59	58	57	56	57	58	54	56	58	58	57
30	30	28	28	28	28	27	27	26	26	26	25	25	26	26	25
17	17	17	17	17	17	17	17	17	16	16	16	16	16	16	16
37	31	36	41	46	51	46	41	36	38	39	32	41	40	38	36
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
222	223	223	225	218	219	219	221	221	222	223	214	208	203	203	200
15	15	15	15	14	14	14	14	14	13	13	13	13	13	13	13
44	44	39	39	39	39	45	29	29	39	35	35	35	35	35	36
208	203	198	198	203	203	208	208	206	201	206	206	177	177	153	153
8	8	8	8	8	7	7	7	7	7	7	7	6	6	6	6
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
145	145	146	146	147	147	148	148	149	149	150	150	151	151	152	152
29	28	28	28	27	27	27	26	26	26	26	25	25	25	25	24
38	37	37	37	36	36	36	35	35	35	34	34	34	33	33	33
10	10	10	10	10	11	11	11	11	11	11	11	12	12	12	12
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
19	19	19	19	19	19	19	19	19	19	19	19	19	19	19	19
2755	2738	2718	2618	2618	2634	2600	2513	2513	2535	2613	2679	2772	2776	1525	1518
141	133	114	112	104	102	118	133	139	127	133	125	114	150	178	205
2896	2871	2832	2730	2722	2736	2718	2646	2652	2662	2746	2804	2886	2926	1703	1723

Chart No. 5-E

19	20	21	22	23	24	25	26	27	28	29	30	Total
1209	1220	0	0	0	0	0	0	0	0	0	782	20949
3	3	0	0	0	0	0	0	0	0	0	0	63
10	10	10	9	9	9	9	9	9	9	9	9	357
371	377	377	377	403	403	400	400	402	405	405	405	12165
93	84	84	85	85	86	75	75	75	75	75	75	3019
18	18	17	17	17	17	17	17	17	17	17	17	555
13	13	13	13	13	13	13	13	13	13	13	13	408
24	25	24	25	27	27	27	27	27	27	27	27	811
105	105	105	105	105	104	107	107	107	107	107	107	3402
11	11	11	11	11	11	11	11	11	11	11	11	330
41	40	40	39	38	37	37	38	39	41	41	41	1220
4	4	3	3	3	3	3	3	3	3	3	3	150
56	58	58	57	55	52	53	54	54	55	56	58	1743
25	26	26	25	24	22	22	21	21	21	21	21	791
16	16	16	16	16	16	16	16	16	16	16	16	498
41	40	38	36	35	33	31	31	32	31	30	28	1131
28	28	28	28	28	28	28	28	28	28	28	28	840
208	203	203	200	199	203	212	212	212	200	207	215	6179
13	13	13	13	13	9	9	9	9	9	9	9	392
35	35	35	36	36	30	30	30	30	26	26	26	1169
177	177	153	153	158	158	160	153	162	158	153	153	5611
6	6	6	6	6	6	6	6	6	6	6	6	205
5	5	5	5	5	5	5	5	5	5	5	5	151
151	151	152	152	153	154	155	155	150	150	150	150	4459
25	25	25	24	24	24	24	24	22	20	20	20	773
34	33	33	33	32	32	32	32	30	30	30	30	1043
12	12	12	12	12	12	12	12	10	10	10	10	323
19	19	19	19	19	19	19	19	19	18	16	16	561
19	19	19	19	19	19	19	19	19	19	19	19	570
2772	2776	1525	1518	1545	1532	1532	1526	1528	1510	1510	2300	69868
114	150	178	205	195	180	168	172	188	198	200	180	4396
2886	2926	1703	1723	1740	1712	1700	1698	1716	1708	1710	2480	74264

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1941

No.	NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST
1	Board of Control M. C. #2	97,440	145,880	131,186	104,680	79,332
2	Penitentiary	60	392	218	420	366
3	Bubb	352	1,226	774	900	774
4	Ridenbaugh	24,014	28,492	26,818	29,218	27,932
5	Settlers	5,692	10,234	8,530	8,268	7,794
6	Thurman Mill	812	1,972	1,714	2,306	1,496
7	Consumers	348	1,212	930	1,314	1,038
8	Boise City	940	2,242	1,778	1,942	1,562
9	Farmers Union & Wise	3,298	9,066	8,328	7,910	6,112
10	Boise Valley	2,264	3,870	3,408	3,126	2,486
11	New Union	384	1,210	1,040	714	574
12	New Dry Creek	1,840	4,544	3,664	2,900	2,590
13	Ballantine	392	740	440	782	596
14	Middleton Water	5,370	8,810	7,136	5,258	4,444
15	Middleton Mill	2,010	3,738	2,594	2,478	2,162
16	Little Pioneer	890	1,752	1,362	1,740	1,180
17	Canyon County	3,206	4,382	3,824	3,774	2,860
18	7 Eagle Island Canals	1,180	2,914	2,820	1,996	1,736
19	Phyllis	19,868	23,998	19,986	16,822	11,882
20	Eureka #1	1,102	2,550	2,086	1,636	1,182
21	Caldwell High Line	3,048	4,682	2,780	3,964	3,288
22	Farmers Coop.	7,030	22,214	15,554	11,554	11,162
23	Campbell	902	990	650	664	656
24	Siebenberg	458	504	374	572	564
25	Riverside #2	4,590	14,602	13,248	10,134	8,520
26	Pioneer Dixie	2,094	2,694	1,974	2,066	1,620
27	Eureka #2	730	4,114	2,718	2,296	2,806
28	Upper Center Point	494	680	410	790	744
29	Lower Center Point	0	1,176	648	918	1,026
30	Miscellaneous	814	1,922	1,922	1,348	1,178
	Total	191,622	312,802	268,914	232,490	189,662

Chart No. 6

DIVERSIONS IN ACRES

OTHER - BEGINNING

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1941

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTALS
97,440	145,880	131,186	104,680	79,332	41,898	600,416
60	392	218	420	366	126	1,582
352	1,226	774	900	774	714	4,740
24,014	28,492	26,818	29,218	27,932	24,330	160,804
5,692	10,234	8,530	8,268	7,794	6,038	46,556
812	1,972	1,714	2,306	1,496	1,110	9,410
348	1,212	930	1,314	1,038	816	5,658
940	2,242	1,778	1,942	1,562	1,622	10,086
3,298	9,066	8,328	7,910	6,112	4,464	39,173
2,264	3,870	3,408	3,126	2,486	2,340	17,494
384	1,210	1,040	714	574	660	4,582
1,840	4,544	3,664	2,900	2,590	2,440	17,978
392	740	440	782	596	300	3,250
5,370	8,810	7,136	5,258	4,444	3,486	34,504
2,010	3,738	2,594	2,478	2,162	1,582	14,564
890	1,752	1,362	1,740	1,180	996	7,920
3,206	4,382	3,824	3,774	2,860	2,262	20,308
1,180	2,914	2,820	1,996	1,736	1,680	12,326
19,868	23,998	19,986	16,822	11,882	12,358	104,914
1,102	2,550	2,086	1,636	1,182	784	9,340
3,048	4,682	2,780	3,964	3,288	2,338	20,100
7,030	22,214	15,554	11,554	11,162	11,222	78,736
902	990	650	664	656	410	4,272
458	504	374	572	564	302	2,774
4,590	14,602	13,248	10,134	8,520	8,918	60,012
2,094	2,694	1,974	2,066	1,620	1,546	11,994
730	4,114	2,718	2,296	2,806	2,086	14,750
494	680	410	790	744	646	3,764
0	1,176	648	918	1,026	1,122	4,890
814	1,922	1,922	1,348	1,178	1,140	8,324
191,622	312,802	268,914	232,490	189,662	139,736	1,335,226

1926	1927
5,000	642,778
1,836	60,788
1,734	1,954
1,834	3,348
3,210	132,334
1,728	47,830
1,770	7,972
1,190	8,816
1,774	9,036
1,898	1,984
1,434	1,388
1,840	1,840
1,038	1,038
1,276	1,276
3,526	3,526
3,934	3,934
1,266	1,266
1,192	1,192
1,384	1,384
1,796	1,796
1,604	1,604
1,620	1,620
1,052	1,052
1,308	1,308
1,634	1,634
1,680	1,680
1,230	1,230
1,424,452	1,424,452
11,994	11,994
14,750	14,750
3,764	3,764
4,890	4,890
8,324	8,324
1,282	1,282
2,212	2,212
1,692	1,692
1,520	1,520

	1915	1916	1917	1918	1919	1920	1921	1922	
Board of Control	434,066	589,932	439,904	561,530	531,426	568,746	563,608	553,022	64
New York Stock		83,014	54,282	70,226	54,972	60,052	69,512	67,838	7
Penitentiary	1,066	1,464	1,452	1,530	2,426	2,580	3,032	2,940	
Bubb	3,442	4,344	4,676	4,562	3,542	4,276	3,892	3,212	
Hiddenbaugh	98,468	103,386	97,080	112,186	101,802	106,712	128,616	120,472	13
Settlers	32,168	40,804	32,418	35,552	37,748	41,000	48,384	44,966	4
Thorman Mill	10,686	12,112	11,918	9,870	7,954	7,628	7,630	6,686	
Consumers Water Corp.	19,946	22,756	17,408	28,748	25,194	25,140	23,530	23,024	15
Boise City	2,552	3,402	2,990	3,162	2,840	888	1,896	2,032	3
Farmers Union	34,500	31,804	26,042	32,644	25,110	26,646	41,360	38,982	44
Capital View Irr. Dist.	2,846	2,002	2,022	4,212	4,114	4,392	4,880	4,880	5
Boise Valley		12,936	6,438	11,374	13,296	13,704	14,142	15,416	17
New Union	2,940	3,178	3,902	3,048	2,890	2,496	3,392	3,272	3
New Dry Creek	11,983	12,500	10,466	10,698	11,154	13,972	16,000	16,712	16
Ballantine	1,546	2,006	1,752	2,436	3,560	2,882	2,460	3,900	4
Middleton Water Co.	23,480	21,404	15,982	26,044	21,004	24,332	28,232	31,016	29
Middleton Mill Ditch	14,688	15,094	15,666	15,240	15,106	15,290	15,078	24,190	26
Little Pioneer	5,716	6,620	5,466	5,904	5,966	6,802	5,822	6,632	7
Canyon Water Co.	15,190	18,034	14,158	16,034	15,254	14,356	21,414	23,218	22
7 Eagle Island Canals	11,394	14,164	12,204	14,968	13,196	12,702	13,308	12,212	13
Phyllis Canal	69,324	109,026	108,926	108,282	108,698	104,416	115,540	115,740	125
Eureka Water Company	4,578	5,334	3,574	5,226	6,094	5,264	5,166	6,390	5
Caldwell High Line	23,004	18,100	18,476	16,110	13,372	12,016	18,678	17,660	15
Farmers Coop.	63,282	85,544	69,638	84,974	67,628	84,448	93,052	38,650	89
Campbell (Canyon)	3,044	4,614	4,492	4,070	3,706	3,710	4,974	3,924	5
Siebenberg	2,806	3,588	2,750	3,428	3,230	3,420	3,508	3,090	3
Riverside No. 2	55,240	60,956	48,584	57,268	45,704	53,966	67,906	41,180	54
Pioneer Dixie	5,144	5,434	4,384	3,938	5,394	4,822	7,218	4,904	9
Eureka No. 2	11,438	10,626	9,170	11,156	12,264	13,334	15,280	15,412	16
Upper Center Point	3,240	3,262	2,348	3,024	3,276	2,912	2,850	3,472	3
Lower Center Point	2,262	1,850	1,558	2,542	2,062	3,278	2,052	1,784	2
Miscellaneous	8,852	9,292	8,102	9,930	8,566	8,458	8,610	8,118	9

Total Summer Diversions

April 1 to September 30 976,838 1,217,572 1,058,228 1,279,916 1,176,828 1,254,640 1,361,022 1,305,946 1,469,500

New York Canal Diversions

October 1 to March 31 93,356 157,484 163,000 185,000 211,000 164,000 173,000

Irrigation Requirements Below Diversion

Dam During October 39,100 33,996 27,106 17,806 24,070 35,892 29,430

Amount Passing Diversion Dam

From November 1 to April 1 170,196 165,570 121,418 137,420 119,294 134,784 96,790

Total 1,360,880 1,636,966 1,488,352 1,594,866 1,715,386 1,640,622 1,768,750

Summer Return Flow 194,850 353,506 314,462 371,632 279,366 232,512 362,928 294,100 344,890

Natural Flow Used 1,046,418 1,265,334 1,208,986 1,362,354 1,352,458 1,346,522 1,423,860

Combined with Board of Control

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET
APRIL 1ST TO SEPTEMBER 30TH - BEGINNING 1915

1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
746	563,608	553,022	643,878	201,622	611,376	375,000	642,778	576,716	574,030	520,146	355,572
052	69,572	67,838	71,808	35,298	60,074	29,836	60,788	51,718	41,366	35,978	24,692
880	3,032	2,940	3,100	772	2,122	1,734	1,954	2,144	1,650	1,492	1,472
776	3,892	3,212	4,048	2,818	3,202	2,834	3,348	3,712	3,688	3,558	2,922
712	128,616	120,472	135,908	87,636	135,696	108,210	132,334	132,446	120,884	129,062	102,582
000	48,384	44,966	47,634	31,326	52,862	35,728	47,830	43,340	41,540	35,554	29,672
628	7,630	6,686	9,316	7,244	8,976	8,770	7,972	9,516	9,784	8,748	8,724
140	23,530	23,024	19,344	12,560	12,646	10,190	8,816	8,350	6,808	8,584	8,322
888	1,896	2,032	1,530	8,498	9,582	8,774	9,036	7,300	8,960	8,938	8,484
646	41,360	38,982	44,270	24,426	46,786	22,898	44,984	37,562	33,376	35,482	23,854
392	4,880	4,880	5,368	3,280	4,000	4,434	3,388	4,240	3,100	3,880	3,298
704	14,142	15,416	17,142	14,178	12,720	14,840	16,410	16,778	15,536	16,998	15,608
496	3,392	3,272	3,934	3,592	3,854	3,038	4,292	3,760	3,960	3,558	3,706
972	16,000	16,712	16,922	12,224	18,454	14,276	18,322	17,816	15,970	17,140	11,870
882	2,460	3,900	4,226	3,028	2,580	3,526	3,660	3,574	3,282	3,338	2,918
332	28,232	31,016	29,582	26,108	34,652	23,934	29,816	27,358	21,624	25,942	23,214
290	15,078	24,190	26,702	13,896	28,028	14,266	19,028	19,768	18,036	17,178	13,390
802	5,822	6,632	7,880	6,410	9,418	7,626	7,442	8,988	8,738	8,584	7,608
356	21,414	23,218	22,786	18,912	19,712	18,952	19,672	18,982	18,118	18,958	17,144
702	13,308	12,212	13,794	11,850	13,756	11,530	13,288	12,134	11,448	12,274	11,030
416	115,540	115,740	125,282	61,300	125,588	70,342	115,370	113,842	95,864	109,070	65,170
264	5,166	6,390	5,698	6,600	5,952	6,344	6,434	6,474	5,714	6,800	6,090
016	18,678	17,660	15,368	16,296	14,584	18,938	11,944	14,332	17,556	17,530	18,938
448	93,052	38,650	89,224	39,540	89,020	52,192	91,726	79,274	69,000	84,294	49,120
710	4,974	3,924	5,248	3,556	4,478	3,384	4,658	5,322	3,838	4,526	3,956
420	3,508	3,090	3,596	2,106	3,106	2,796	2,604	2,854	2,580	3,030	2,510
966	67,906	41,180	54,620	30,752	47,454	40,604	63,404	51,036	41,220	46,956	32,014
822	7,218	4,904	9,440	7,996	8,710	7,620	8,140	11,442	8,622	9,296	8,540
334	15,280	15,412	16,402	12,642	11,776	12,052	11,978	12,326	10,110	11,982	10,130
912	2,850	3,472	3,538	3,196	2,468	2,308	1,802	2,756	2,526	2,952	2,668
278	2,052	1,784	2,848	3,042	2,538	2,634	2,238	2,120	3,018	2,622	3,102
458	8,610	8,118	9,148	7,080	8,770	7,680	8,996	8,082	7,582	8,206	7,532
640	1,361,022	1,305,946	1,469,530	719,824	1,414,940	947,230	1,424,452	1,316,162	1,229,658	1,223,286	885,750
000	211,000	164,000	173,000	190,000	201,000	180,000	182,000	160,270	157,526	175,266	141,956
806	24,070	35,892	29,432	37,796	31,292	37,700	28,750	36,020	41,240	31,840	25,150
420	119,294	134,784	96,796	100,414	103,652	107,282	150,930	234,482	45,018	59,500	50,794
866	1,715,386	1,640,622	1,768,758	1,048,034	1,750,884	1,272,212	1,786,132	1,746,934	1,473,442	1,489,892	1,103,650
512	362,928	294,100	344,890	165,164	290,248	171,692	304,290	299,728	227,474	235,746	171,736
354	1,352,458	1,346,522	1,423,868	822,870	1,460,636	1,100,520	1,481,842	1,447,206	1,245,968	1,254,146	931,914

Chart No. 7

1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	
520,146	355,518	735,592	638,504	388,154	646,960	611,988	541,832	723,112	572,374	5
35,978	24,658									
1,492	1,474	1,680	1,466	1,672	2,358	1,998	2,164	2,132	2,006	
3,558	2,926	5,184	4,266	4,030	4,136	4,142	3,978	4,722	4,278	
129,062	102,584	144,474	141,694	126,502	134,870	148,178	117,806	159,302	147,684	14
35,554	29,674	46,690	45,061	34,142	42,992	43,732	36,478	48,134	43,292	40
8,748	8,720	8,264	8,434	10,700	10,450	8,802	9,442	10,624	11,532	9
8,584	8,322	8,236	6,562	8,000	6,424	7,344	7,048	6,876	8,326	6
8,938	8,484	9,638	10,388	10,524	9,496	8,470	8,758	9,746	9,944	9
35,482	23,854	31,744	32,136	28,848	29,988	29,716	28,022	35,240	33,645	26
3,880	3,298	3,354	3,374	3,950	3,400	3,406	3,362	3,468	3,498	3
16,998	15,608	15,252	15,654	16,468	15,254	16,034	16,038	17,586	17,631	16
3,558	3,706	3,328	3,508	4,112	4,178	4,374	4,442	4,322	4,036	3
17,140	11,870	15,524	17,648	3,764	17,350	16,110	13,638	17,830	15,252	14
3,338	2,918	4,354	3,432	13,796	3,532	3,386	3,288	3,514	3,698	3
25,942	23,214	23,096	20,018	23,312	20,772	22,764	26,276	31,226	31,488	33
17,178	13,390	20,590	22,844	16,528	21,020	22,260	15,006	17,584	15,042	15
8,584	7,608	7,990	9,194	8,762	8,974	8,424	8,802	9,762	8,318	7
18,958	17,144	19,132	19,872	20,470	20,528	17,896	18,180	18,814	19,960	17
12,274	11,030	11,714	11,446	11,162	11,382	14,348	10,998	12,632	12,398	10
109,070	65,170	111,016	110,312	85,148	97,746	100,138	83,308	111,026	98,038	92
6,800	6,090	6,462	6,370	7,624	8,174	7,662	7,318	7,262	8,406	7
17,530	18,938	18,562	13,004	20,360	21,714	18,320	19,698	17,206	21,466	20
84,294	49,120	85,240	78,830	60,256	76,344	73,100	70,164	93,592	68,918	69
4,526	3,956	4,100	4,886	3,584	4,318	4,528	4,284	5,750	6,364	3
3,030	2,510	2,422	3,448	2,482	3,244	2,514	2,658	2,662	3,260	2
46,956	32,014	50,662	41,020	49,060	44,988	52,910	44,172	66,196	48,444	47
9,296	8,540	7,556	7,938	10,196	7,942	8,848	8,072	10,414	13,248	12
11,982	10,130	10,210	11,440	12,690	12,588	101,158	10,864	13,586	15,256	15
2,952	2,668	2,970	2,656	2,288	3,024	2,584	2,688	2,452	3,472	3
2,622	3,102	2,772	2,812	3,962	3,010	1,630	2,552	2,436	3,944	4
8,206	7,532	7,492	7,606	7,554	7,558	9,534	7,378	8,388	8,360	6
1,223,286	885,750	1,425,210	1,305,778	1,000,060	1,304,704	1,285,358	1,138,714	1,477,596	1,263,578	1,226,61
175,266	141,956	157,422	125,778	166,838	169,168	170,570	153,418	176,440	133,534	174,23
31,840	25,150	26,830	40,838	37,678	33,142	80,292	26,588	34,398	20,550	19,56
59,500	50,794	68,384	69,956	55,018	51,396	19,088	20,768	85,150	65,456	15,89
1,489,892	1,103,650	1,677,846	1,542,350	1,259,594	1,558,410	1,505,308	1,339,488	1,773,584	1,483,118	1,454,31
235,746	171,736	343,116	273,076	198,518	240,752	265,286	217,436	373,294	235,740	263,7
1,254,146	931,914	1,334,730	1,269,274	1,061,076	1,317,658	1,240,022	1,122,052	1,400,290	1,247,378	1,190,4

Chart No. 7

1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
35,592	638,504	388,154	646,960	611,988	541,832	723,112	572,374	567,126	600,416
1,680	1,466	1,672	2,358	1,998	2,164	2,132	2,006	1,746	1,582
5,184	4,266	4,030	4,136	4,142	3,978	4,722	4,278	3,918	4,740
144,474	141,694	126,502	134,870	148,178	117,806	159,302	147,684	148,658	160,804
46,690	45,061	34,142	42,992	43,732	36,478	48,134	43,292	40,520	46,556
8,264	8,434	10,700	10,450	8,802	9,442	10,624	11,532	9,632	9,410
8,236	6,562	8,000	6,424	7,344	7,048	6,876	8,326	6,826	5,658
9,638	10,388	10,524	9,496	8,470	8,758	9,746	9,944	9,114	10,086
31,744	32,136	28,848	29,988	29,716	28,022	35,240	33,645	26,168	35,618
3,354	3,374	3,950	3,400	3,406	3,362	3,468	3,498	3,468	3,560
15,252	15,654	16,468	15,254	16,034	16,038	17,586	17,631	16,274	17,494
3,328	3,508	4,112	4,178	4,374	4,442	4,322	4,036	3,904	4,582
15,524	17,648	3,764	17,350	16,110	13,638	17,830	15,252	14,502	17,978
4,354	3,432	13,796	3,532	3,386	3,288	3,514	3,698	3,562	3,250
23,096	20,018	23,312	20,772	22,764	26,276	31,226	31,488	33,620	34,504
20,590	22,844	16,528	21,020	22,260	15,006	17,584	15,042	15,640	14,564
7,990	9,194	8,762	8,974	8,424	8,802	9,762	8,318	7,044	7,920
19,132	19,872	20,470	20,528	17,896	18,180	18,814	19,960	17,878	20,308
11,714	11,446	11,162	11,382	14,348	10,998	12,632	12,398	10,256	12,326
111,016	110,312	85,148	97,746	100,138	83,308	111,026	98,038	92,608	104,914
6,462	6,370	7,624	8,174	7,662	7,318	7,262	8,406	7,576	9,340
18,562	13,004	20,360	21,714	18,320	19,698	17,206	21,466	20,974	20,100
85,240	78,830	60,256	76,344	73,100	70,164	93,592	68,918	69,200	78,736
4,100	4,886	3,584	4,318	4,528	4,284	5,750	6,364	3,824	4,272
2,422	3,448	2,482	3,244	2,574	2,658	2,662	3,260	2,862	2,774
50,662	41,020	49,060	44,988	52,910	44,172	66,196	48,444	47,128	60,012
7,556	7,938	10,196	7,942	8,848	8,072	10,414	13,248	12,184	11,994
10,210	11,440	12,650	12,588	101,158	10,864	13,586	15,256	15,416	14,750
2,970	2,656	2,288	3,024	2,584	2,688	2,452	3,472	3,538	3,764
2,772	2,812	3,962	3,010	1,630	2,552	2,436	3,944	4,596	4,890
7,492	7,606	7,554	7,558	9,534	7,378	8,388	8,360	6,856	8,324
1,425,210	1,305,778	1,000,060	1,304,704	1,285,358	1,138,714	1,477,596	1,263,578	1,226,618	1,335,226
157,422	125,778	166,838	169,168	170,570	153,418	176,440	133,534	172,234	175,014
26,830	40,838	37,678	33,142	80,292	26,588	34,398	20,550	19,562	22,856
68,384	69,956	55,018	51,396	19,088	20,768	85,150	65,456	35,898	29,972
1,677,846	1,542,350	1,259,594	1,558,410	1,505,308	1,339,488	1,773,584	1,483,118	1,454,312	1,563,068
343,116	273,076	198,518	240,752	265,286	217,436	373,294	235,740	263,936	334,394
1,334,730	1,269,274	1,061,076	1,317,658	1,240,022	1,122,052	1,400,290	1,247,378	1,190,476	1,228,674

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1	Drainage District No. 3	7	7	7	7	7	7	7	7	7	7	7
2	Davis Drain	6	6	6	6	6	6	6	6	6	6	6
3	Thurman Drain	9	9	9	9	9	9	9	9	10	10	10
4	Boise Sewer	8	8	8	8	8	8	8	8	8	8	8
5	Eagle Drain	14	14	14	14	14	14	14	14	15	15	15
6	South Middleton Drain	25	25	25	25	25	25	27	29	30	32	35
7	North Middleton Drain	8	8	8	8	8	9	9	9	9	9	10
8	Hartley Drain	6	6	6	6	6	6	6	6	7	7	7
9	Phyllis Waste	3	3	3	3	3	3	3	3	3	3	3
10	Mason Creek	8	8	8	8	10	10	10	12	12	12	12
11	Mason Drain	30	30	30	30	32	36	43	48	52	57	64
12	Indian Creek	70	70	70	70	70	70	70	70	70	73	76
	Total	194	194	194	194	198	203	212	221	229	239	253

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1	Drainage District No. 3	8	8	8	8	8	9	9	9	9	9	9
2	Davis Drain	7	7	7	7	7	7	7	7	7	7	7
3	Thurman Drain	12	12	12	12	12	12	12	12	12	12	13
4	Boise Sewer	8	8	8	8	8	8	8	8	8	8	8
5	Eagle Drain	33	34	35	36	37	38	39	40	41	42	43
6	South Middleton Drain	106	109	113	119	125	122	120	118	116	115	114
7	North Middleton Drain	39	43	48	52	57	56	55	54	53	52	51
8	Hartley Drain	18	19	20	21	22	22	22	21	21	21	20
9	Phyllis Waste	5	5	5	5	5	6	6	6	6	6	6
10	Mason Creek	16	17	18	19	20	20	19	19	18	18	17
11	Mason Drain	110	112	114	116	118	119	120	121	122	123	124
12	Indian Creek	153	158	163	168	173	172	171	170	169	168	167
	Total	515	532	551	571	592	591	588	585	582	581	579

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1941

APRIL

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	8
6	6	6	6	6	6	6	6	6	6	6	6	6	6	7	7
9	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
14	15	15	15	16	16	17	17	18	19	20	21	22	23	24	25
29	30	32	35	38	40	40	43	47	49	50	52	53	56	59	64
9	9	9	10	10	10	10	10	11	11	11	11	11	12	12	12
6	7	7	7	8	8	9	9	10	10	11	11	12	12	13	14
3	3	3	3	3	3	3	3	4	4	4	4	4	5	5	5
12	12	12	12	10	10	8	6	4	2	3	4	5	6	7	8
48	52	57	64	70	76	82	86	90	93	94	95	96	97	98	99
70	70	73	76	79	82	85	88	91	94	98	102	106	110	114	118
221	229	239	253	265	276	285	293	307	314	323	332	341	353	366	379

MAY

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10
7	7	7	7	7	7	7	7	7	7	7	7	7	8	8	8
12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	13
8	8	8	8	8	9	9	9	9	9	9	9	9	9	9	9
40	41	42	43	44	45	46	47	48	50	50	50	50	50	50	50
118	116	115	114	113	112	111	110	109	108	107	106	107	109	110	112
54	53	52	51	50	49	48	47	46	45	44	43	44	47	50	53
21	21	21	20	20	20	19	19	19	18	18	18	17	17	17	16
6	6	6	6	6	6	6	6	7	7	7	7	7	7	7	7
19	18	18	17	17	17	16	16	16	15	15	15	15	16	16	17
121	122	123	124	125	126	127	128	129	131	133	135	135	136	136	137
170	169	168	167	166	165	164	163	162	161	160	159	163	167	171	175
585	582	581	579	578	579	576	575	575	574	573	572	577	589	597	607

Chart No. 8

9	20	21	22	23	24	25	26	27	28	29	30	Total
8	8	8	8	8	8	8	8	8	8	8	8	225
6	6	6	7	7	7	7	7	7	7	7	7	189
10	10	10	11	11	11	11	11	11	11	11	11	301
8	8	8	8	8	8	8	8	8	8	8	8	240
21	22	23	24	25	26	27	28	29	30	31	32	598
52	53	56	59	64	69	74	78	84	89	96	102	1486
11	11	12	12	12	12	12	16	21	25	29	34	375
11	12	12	13	14	15	15	16	16	17	17	18	310
4	4	5	5	5	5	5	5	5	5	5	5	115
4	5	6	7	8	9	10	11	12	13	14	15	267
95	96	97	98	99	100	101	102	103	104	106	108	2252
102	106	110	114	118	122	126	130	134	138	143	148	2887
332	341	353	366	379	392	404	420	438	455	475	496	9245

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
10	10	10	10	10	11	11	11	11	11	11	11	12	302
7	7	8	8	8	8	8	8	8	8	8	8	8	228
13	13	13	13	13	13	13	13	13	14	14	14	14	397
9	9	9	9	9	9	9	9	9	9	9	9	9	267
50	50	50	50	50	50	50	51	51	51	51	51	51	1404
106	107	109	110	112	111	113	114	116	117	119	120	122	3523
43	44	47	50	53	56	59	62	65	68	71	73	75	1655
18	17	17	17	16	16	15	15	14	14	13	13	12	557
7	7	7	7	7	7	7	7	7	7	7	7	7	197
15	15	16	16	17	17	18	18	19	19	20	20	21	544
135	135	136	136	137	138	139	140	141	142	143	144	145	4009
159	163	167	171	175	179	183	187	191	195	199	203	207	5352
572	577	589	597	607	615	625	635	645	655	665	673	683	18435

No.	Name of Tributary	1	2	3	4	5	6	7	8	9
1	Drainage District No. 3	12	12	12	12	12	12	12	12	12
2	Davis Drain	8	8	8	8	8	8	8	8	8
3	Thurman Drain	14	14	14	14	14	15	15	15	15
4	Boise Sewer	9	9	9	9	9	9	9	9	9
5	Eagle Drain	51	51	51	51	51	51	52	52	52
6	South Middleton Drain	124	126	128	126	124	122	120	118	116
7	North Middleton Drain	79	81	83	83	82	81	80	79	78
8	Hartley Drain	12	11	10	10	11	11	11	12	12
9	Phyllis Waste	7	7	7	7	7	7	7	7	7
10	Mason Creek	21	22	23	21	19	17	15	13	11
11	Mason Drain	146	147	148	144	140	136	132	128	124
12	Indian Creek	212	217	222	218	214	210	207	204	201
	Total	695	705	715	703	691	679	668	657	645

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1	Drainage District No. 3	15	15	15	15	15	14	14	14	14	14
2	Davis Drain	10	10	10	10	10	10	10	10	9	9
3	Thurman Drain	16	16	16	16	16	16	16	16	16	17
4	Boise Sewer	8	8	8	8	8	8	8	8	8	8
5	Eagle Drain	55	54	52	50	48	46	44	42	40	41
6	South Middleton Drain	48	47	46	45	44	43	42	41	40	39
7	North Middleton Drain	22	22	22	22	22	22	22	23	23	23
8	Hartley Drain	12	12	13	13	14	14	15	15	16	18
9	Phyllis Waste	6	6	6	6	6	6	6	5	5	5
10	Mason Creek	14	12	11	12	13	14	15	16	17	18
11	Mason Drain	83	91	99	91	83	75	67	59	51	43
12	Indian Creek	156	158	160	154	148	142	136	130	124	118
	Total	445	451	458	442	427	410	395	379	363	353

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1941

JUNE

	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13
	8	8	8	9	9	9	9	9	9	9	9	9	9	9	9	9
	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8
	52	52	52	52	52	51	49	48	46	45	43	43	44	44	45	46
	120	118	116	115	114	113	112	108	104	100	96	91	86	81	76	72
	80	79	78	77	76	75	74	70	66	62	58	54	50	46	42	38
	11	12	12	12	13	13	13	12	12	12	12	11	11	11	11	11
	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
	15	13	11	9	8	7	6	7	8	9	10	11	12	13	14	16
	132	128	124	120	116	113	110	105	100	95	90	85	80	75	70	65
	207	204	201	198	195	192	189	186	183	180	177	174	171	168	165	162
	668	657	645	635	626	616	606	590	572	555	538	522	506	490	475	462

JULY

	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
	14	14	14	14	13	13	13	13	13	12	12	12	12	11	11	11
	10	10	9	9	9	9	9	9	9	9	9	8	8	8	8	8
	16	16	16	17	17	17	17	17	18	18	19	19	19	19	19	20
	8	8	8	8	8	8	8	8	8	8	8	8	8	8	7	7
	44	42	40	41	42	43	44	45	46	47	45	43	42	41	40	39
	42	41	40	39	38	37	36	35	34	33	32	31	30	28	26	24
	22	23	23	23	23	23	23	24	24	24	24	24	24	24	25	25
	14	15	16	18	20	20	19	19	18	18	17	17	16	15	14	13
	6	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5
	14	15	16	17	18	19	18	17	17	16	16	15	15	14	14	13
	75	67	59	51	43	36	36	36	36	36	36	36	36	36	36	36
	42	136	130	124	118	113	113	114	114	115	116	117	118	119	120	122
	10	395	379	363	353	343	342	342	342	343	342	340	336	334	329	323

Chart No. 8-A

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
13	13	13	13	13	14	14	14	14	14	14	14		385
9	9	9	9	9	9	9	9	9	9	9	9		261
15	15	15	16	16	16	16	16	16	16	16	16		454
8	8	8	8	8	8	8	8	8	8	8	8		255
44	44	45	46	47	48	49	50	51	52	53	54		1474
86	81	76	71	66	61	56	51	51	50	50	49		2805
50	46	42	38	34	30	26	21	21	21	21	21		1709
11	11	11	11	10	10	10	10	10	11	11	11		339
7	7	7	7	7	7	7	6	6	6	6	6		205
12	13	14	16	18	20	22	24	22	20	18	16		452
80	75	70	65	60	55	50	46	53	60	67	75		2935
171	168	165	162	159	156	153	150	151	152	153	154		5473
506	490	475	462	447	434	420	405	412	419	426	433		16747

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
12	11	11	11	11	10	10	10	10	9	9	9	9	378
8	8	8	8	8	8	8	8	8	8	8	8	8	273
19	19	19	20	20	20	21	21	21	22	22	22	21	570
8	8	7	7	7	7	7	7	7	7	7	7	7	237
42	41	40	39	38	38	39	39	40	40	41	42	43	1349
30	28	26	24	22	22	22	22	23	23	23	23	23	1022
24	24	25	25	25	25	25	24	24	23	23	23	22	724
16	15	14	13	12	12	13	13	13	14	14	14	14	467
5	5	5	5	5	5	5	5	5	5	5	5	5	162
15	14	14	13	13	13	14	14	15	15	16	16	17	467
36	36	36	36	36	35	35	34	34	33	33	32	32	1478
119	120	121	122	123	123	123	124	124	124	125	125	125	3944
334	329	326	323	320	318	322	321	324	323	326	326	326	11071

No.	Name of Tributary	1	2	3	4	5	6	7	8	9
1	Drainage District No. 3	9	9	9	9	9	9	9	9	9
2	Davis Drain	8	8	8	8	8	8	7	7	7
3	Thurman Drain	21	21	21	21	21	21	21	21	20
4	Boise Sewer	7	7	7	7	7	7	7	7	7
5	Eagle Drain	43	42	42	41	41	40	40	40	40
6	South Middleton Drain	23	23	24	24	24	24	24	24	25
7	North Middleton Drain	22	22	21	21	20	20	19	18	19
8	Hartley Drain	15	15	15	15	16	16	16	16	17
9	Phyllis Waste	5	5	5	5	4	4	4	4	4
10	Mason Creek	17	18	18	19	19	20	20	21	21
11	Mason Drain	31	31	30	30	29	29	28	28	31
12	Indian Creek	126	126	126	127	127	127	128	128	129
	Total	327	327	326	326	325	325	323	323	329

No.	Name of Tributary	1	2	3	4	5	6	7	8	9
1	Drainage District No. 3	10	10	10	10	10	11	11	11	11
2	Davis Drain	6	6	6	6	6	6	6	6	6
3	Thurman Drain	17	17	18	18	18	18	18	18	18
4	Boise Sewer	7	7	7	7	7	7	7	7	7
5	Eagle Drain	43	44	45	46	47	48	49	50	50
6	South Middleton Drain	42	43	43	44	44	45	46	47	48
7	North Middleton Drain	25	25	26	26	27	27	28	28	29
8	Hartley Drain	17	16	16	15	14	13	12	10	10
9	Phyllis Waste	4	4	4	4	4	4	4	4	5
10	Mason Creek	22	23	23	24	24	24	24	24	24
11	Mason Drain	90	92	94	96	98	97	96	95	94
12	Indian Creek	182	182	181	181	181	179	177	175	173
	Total	465	469	473	477	480	479	478	475	475

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1941

AUGUST

6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
8	7	7	7	7	7	7	7	6	6	6	6	6	6	6
21	21	21	20	20	20	20	20	19	19	19	18	18	18	18
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
40	40	40	40	39	39	39	39	38	38	38	38	37	37	37
24	24	24	25	26	27	28	29	30	31	32	33	34	35	36
20	19	18	19	18	18	19	19	19	19	20	20	20	20	20
16	16	16	17	17	17	18	18	18	19	19	20	20	21	21
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
20	20	21	21	21	21	20	20	20	20	20	19	19	19	19
29	28	28	31	34	37	40	43	46	50	54	58	62	66	70
127	128	128	129	129	135	141	147	153	159	166	173	180	187	187
325	323	323	329	331	341	352	362	369	381	394	405	416	429	434

SEPTEMBER

6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
6	6	6	6	7	7	7	7	7	7	7	7	7	7	8	8
18	18	18	18	18	18	18	18	18	19	19	19	19	19	19	20
7	7	7	7	7	7	7	7	7	7	7	7	7	6	6	6
48	49	50	50	49	48	47	46	45	44	43	42	41	40	39	38
45	46	47	48	50	52	54	56	58	60	61	62	63	64	65	66
27	28	28	29	29	28	28	27	27	27	26	26	26	25	25	25
13	12	10	10	11	11	12	12	13	13	13	14	14	14	15	15
4	4	4	5	5	5	5	5	5	5	5	5	5	5	5	6
24	24	24	24	23	23	23	23	23	22	22	22	22	22	21	21
97	96	95	94	93	92	91	90	89	88	87	86	85	84	83	83
179	177	175	173	171	169	167	165	163	161	159	157	155	153	151	149
479	478	475	475	474	471	470	467	466	464	460	458	455	450	448	448

Chart No. 8-B

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
9	9	10	10	10	10	10	10	10	10	10	10	10	290
6	6	6	6	6	6	6	6	6	6	6	6	6	205
18	18	18	18	18	17	17	17	17	17	17	17	17	587
7	7	7	7	7	7	7	7	7	7	7	7	7	217
37	37	37	38	38	39	39	40	40	41	41	42	42	1225
35	36	37	37	38	38	39	39	40	40	41	41	42	988
20	20	20	21	21	21	22	22	23	23	24	24	25	640
21	21	22	22	21	21	20	20	19	19	18	18	17	566
4	4	4	4	4	4	4	4	4	4	4	4	4	128
19	19	19	19	19	20	20	20	21	21	21	22	22	615
66	70	74	75	76	77	78	79	80	82	84	86	88	1706
187	187	186	186	185	185	184	184	184	183	183	183	182	4926
429	434	440	443	443	445	446	448	451	453	456	460	462	12093

19	20	21	22	23	24	25	26	27	28	29	30	Total
11	11	11	11	11	10	10	10	10	10	10	10	318
7	8	8	8	8	8	8	8	8	8	8	8	212
19	19	20	20	20	21	21	21	21	21	21	21	571
6	6	6	6	6	6	6	6	6	6	6	6	198
40	39	38	37	36	35	35	35	35	35	35	35	1262
64	65	66	67	68	69	70	70	70	70	70	70	1737
25	25	25	24	24	24	24	24	24	24	24	24	776
14	15	15	15	16	16	16	16	16	16	16	16	423
5	5	6	6	6	6	6	6	6	6	6	6	152
22	21	21	21	21	21	21	20	20	20	20	20	663
84	83	83	82	82	81	81	80	80	80	80	80	2629
153	151	149	147	146	145	144	140	140	140	140	140	4813
450	448	448	444	444	442	442	436	436	436	436	436	13754

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM
CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUS)
TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN - BY MONTHS IN ACRE FEET
IRRIGATION SEASON 1941

	APRIL	MAY	JUNE	JULY	AUG
Boise River at Diversion Dam	174,260	300,886	273,752	188,366	146,
Deliveries to Canals	207,060	379,564	353,800	234,620	192,8
Tributary Gain	18,490	36,870	33,494	22,142	24,1
Seepage Gain	14,310	41,808	46,554	24,112	22,0
Net Gain	32,800	78,678	80,048	46,254	46,2

SUMMARY TABLE IN 24 HOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER
CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUS) TRIBUTARY GAIN, SEEPAGE GA

	APRIL	MAY"	JUNE	JULY	AUGUST
Boise River at Diversion Dam	2,904	4,853	4,563	3,038	2,364
Deliveries to Canals	3,451	6,122	5,897	3,784	3,110
Tributary Gain	308	595	558	357	390
Seepage Gain	239	674	776	389	356
Net Gain	547	1,269	1,334	746	746

Chart No. 9

ARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

DELIVERIES (INCLUDING BOISE RIVER AT NOTUS)

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

IRRIGATION SEASON 1941

	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
00	300,886	273,752	188,366	146,596	98,130	1,181,990
00	379,564	353,800	234,620	192,812	148,528	1,516,384
00	36,870	33,494	22,142	24,186	27,508	162,690
10	41,808	46,554	24,112	22,030	22,890	171,704
00	78,678	80,048	46,254	46,216	50,398	334,394

FOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER AT DIVERSION DAM,

INCLUDING BOISE RIVER AT NOTUS) TRIBUTARY GAIN, SEEPAGE GAIN, AND NET GAIN

IRRIGATION SEASON 1941

	MAY"	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
004	4,853	4,563	3,038	2,364	1,636	19,358
51	6,122	5,897	3,784	3,110	2,476	24,840
008	595	558	357	390	458	2,666
39	674	776	389	356	382	2,816
47	1,269	1,334	746	746	840	5,482

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM, - CANAL DELIVERIES

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

SECTION 1

1941

	July	August	September	Total
Boise River at Diversion Dam	188,366	146,596	98,130	433,092
Deliveries to Canals	206,328	163,248	114,160	483,736
Tributary Gain	5,614	5,052	5,122	15,788
Seepage Gain	12,348	11,600	10,908	34,856
Net Gain	17,962	16,652	16,030	50,644

SUMMARY TABLE IN 24 HOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF

BOISE RIVER AT DIVERSION DAM, CANAL DELIVERIES, TRIBUTARY

GAIN, SEEPAGE GAIN, AND NET GAIN

SECTION 1

1941

	July	August	September	Average
Boise River at Diversion Dam	3,038	2,364	1,636	2,346
Deliveries to Canals	3,328	2,633	1,903	2,621
Tributary Gain	91	82	85	86
Seepage Gain	199	187	182	189
Net Gain	290	269	267	275

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

SECTION 1

1941

	July	August	September	Total
Dam	188,366	146,596	98,130	433,092
	206,328	163,248	114,160	483,736
	5,614	5,052	5,122	15,788
	12,348	11,600	10,908	34,856
	17,962	16,652	16,030	50,644

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

SECTION 1

1941

	July	August	September	Average
n Dam	3,038	2,364	1,636	2,346
	3,328	2,633	1,903	2,621
	91	82	85	86
	199	187	182	189
	290	269	267	275

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE, CANAL DELIVERIES
 TRIBUTARY GAIN, SEEPAGE GAIN, NET GAIN BY MONTHS IN ACRE FEET

SECTION 2

1941

	July	August	September	To
Boise River at Caldwell High Line	1,416	342	338	2,
Deliveries to Canals	31,124	30,248	35,044	96,
Tributary Gain	16,528	19,134	22,386	58,
Seepage Gain	13,180	10,772	12,320	36,
Net Gain	29,708	29,906	34,706	94,

SUMMARY TABLE IN 24 HOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE
 RIVER AT CALDWELL HIGH LINE, CANAL DELIVERIES, TRIBUTARY GAIN,
 SEEPAGE GAIN AND NET GAIN

SECTION 2

1941

	July	August	September	To
Boise River at Caldwell High Line	23	6	6	
Deliveries to Canals	502	488	584	5
Tributary Gain	267	309	373	3
Seepage Gain	212	173	205	1
Net Gain	479	482	578	5

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE, CANAL DELIVERIES
 TRIBUTARY GAIN, SEEPAGE GAIN, NET GAIN BY MONTHS IN ACRE FEET

SECTION 2

1941

	July	August	September	Total
all High Line	1,416	342	338	2,096
	31,124	30,248	35,044	96,416
	16,528	19,134	22,386	58,048
	13,180	10,772	12,320	36,272
	29,708	29,906	34,706	94,320

SUMMARY TABLE IN 24 HOUR SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE
 RIVER AT CALDWELL HIGH LINE, CANAL DELIVERIES, TRIBUTARY GAIN,
 SEEPAGE GAIN AND NET GAIN

SECTION 2

1941

	July	August	September	Total
all High Line	23	6	6	12
	502	488	584	525
	267	309	373	316
	212	173	205	197
	479	482	578	513

BOISE VALLEY CANALS AND ACREAGE

Board of Control (New York)

New York Irrig. District....	17,763		Canyon County.....	3,790 acres
Boise-Kuna Irrig. District..	48,458		Warm Springs Slough....	461 "
Nampa-Meridian Irrig. Dist..	40,193		Joplin Ditch.....	103 "
Wilder Irrig. District.....	56,622		Conway & Hamming.....	285 "
Big Bend Irrig. District....	1,725		Thos. Aiken.....	260 "
TOTAL Board of Control	164,761	acres	Catlin & Mace.....	536 "
Ridenbaugh.....	27,000	"	Hart & Davis.....	550 "
Rein & Keoh.....	50	"	Graham & Gilbert.....	220 "
Bahler.....	80	"	Seven Suckers.....	52 "
Bubb.....	745	"	Pioneer Irrigation Dist	34,500 "
Mceves.....	90	"	Eureka Water Co.....	1,666 "
Rossi Mill.....	500	"	Franklin & Mason Creek.	4,010 "
Manville-Leonard.....	175	"	Farmers Co-operative...	15,500 "
Settlers.....	12,300	"	Canyon Ditch Co.....	802 "
Davis.....	770	"	Siebenberg Co-op.....	646 "
Thurman Mill.....	1,858	"	Riverside Irrig. Dist..	10,645 "
Cruzen.....	2,500	"	Pioneer Dixie.....	2,015 "
Boise City.....	1,903	"	Eureka Ditch Co.....	2,595 "
Farmer's Union.....	8,300	"	Upper Center Point.....	621 "
Boise Valley.....	2,729	"	Lower Center Point.....	845 "
Capital View.....	600	"	Bowman & Swisher.....	464 "
New Union.....	688	"	Marmom.....	908 "
New Dry Creek.....	2,720	"	Haas.....	427 "
Ballantine.....	700	"	Andrews.....	1,810 "
Middleton Water.....	5,704	"	Stockton.....	396 "
Middleton Mill Ditch Co.....	4,400	"	Niel Odonnell.....	60 "
Little Pioneer.....	1,286	"	Island High Line.....	1,000 "
			TOTAL	325,026 "

DRAINAGE WATER (not diverted from Boise River)

Black Canyon Irrigation Dist.....	6,500 acres
Caldwell Irrigation District.....	850 "
Moreland & Vail (Dixie Drain).....	640 "

GRAND TOTAL

7,890
333,016

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. (February 14, 1941)

Ridenbaugh represents old lands within the Nampa and Meridian Irrigation District that are watered by the old Ridenbaugh water rights in the Stewart Decree. The balance of the Nampa and Meridian Irrigation District lands are included under the Board of Control.

TABLE SHOWING ACRE FEET PER ACRE DIVERTED FROM
BOISE RIVER BY BOISE VALLEY CANALS

1941

	Acre Feet Diverted	Acres Irrigated	Acre Feet Per Acre Diverted
*Board of Control	775,430	164,761	4.71
Penitentiary	1,582	429	3.69
Bubb	4,740	745	6.36
Ridenbaugh	160,804	27,000	5.96
Settlers	46,556	12,300	3.79
Thurman	9,410	1,858	5.06
Consumers	5,658	2,500	2.26
Boise City	10,086	1,903	5.30
Farmers Union & Wise	39,178	8,900	4.40
Boise Valley	17,494	2,729	6.41
New Union	4,582	688	6.66
New Dry Creek	17,978	2,720	6.61
Ballantine	3,250	700	4.64
Middleton Irrigation Assoc.	34,504	5,704	6.05
Middleton Mill	14,564	4,400	3.31
Little Pioneer	7,920	1,286	6.16
Canyon County	20,308	3,790	5.36
7 Eagle Island Canals	12,326	2,363	5.22
Phyllis	104,914	23,500	4.46
Eureka No. 1	9,340	1,666	5.61
Caldwell High Line	20,100	4,010	5.01
Farmers Coop.	78,736	15,500	5.08
Canyon (Campbell)	4,272	802	5.33
Siebenberg	2,774	646	4.29
Riverside No. 2	60,012	10,645	5.64
Pioneer Dixie	11,994	2,015	5.95
Eureka No. 2	14,750	2,595	5.68
Upper Center Point	3,764	621	6.06
Lower Center Point	4,890	845	5.79
Miscellaneous	8,324	1,493	5.58
Total	1,510,240	309,114	4.89

*Board of Control Diversions include New York Canal Diversions for winter months.

CANAL	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
Ridenbaugh	4.14	3.38	4.49	4.47	4.27	5.15	4.82	5.44	3.51	5.43	4.33	5.29
Settlers	3.31	2.64	2.89	3.02	3.33	3.93	3.98	3.87	2.55	4.30	2.90	3.89
Farmers Union	4.32	3.46	4.55	3.61	3.83	5.71	5.55	6.12	3.42	6.27	3.37	5.97
Boise Valley	4.74	2.37	4.17	4.87	5.03	5.18	5.65	6.28	5.20	4.66	5.54	6.01
New Dry Creek	4.60	3.85	3.93	4.51	5.14	5.88	6.14	6.22	4.49	6.78	5.23	6.74
Ballantine	3.47	3.03	4.22	6.16	5.00	4.25	6.75	7.31	5.22	4.46	6.10	6.33
Middleton Err. Assn.	3.75	2.78	3.57	3.68	4.27	4.95	5.44	5.18	4.58	6.08	4.20	6.57
Middleton Mill	4.65	4.83	4.70	4.65	4.71	4.65	7.45	8.23	4.28	8.64	4.40	7.50
Phyllis	4.95	5.12	4.92	4.94	4.74	5.25	5.26	5.69	2.78	5.71	3.20	5.25
Little Pioneer	5.15	4.25	4.59	4.64	5.29	4.53	5.17	6.13	4.98	7.32	5.93	5.79
Canyon County	4.76	3.74	4.23	4.02	3.79	6.30	6.15	6.01	4.99	5.20	5.00	5.73
Farmers Coop.	5.58	4.49	5.48	4.36	5.45	6.00	5.27	5.76	2.55	5.75	3.37	5.92
Canyon (Campbell)	3.34	3.25	2.94	2.68	2.68	3.60	2.84	3.80	2.57	3.24	2.45	3.37
Siebenberg	4.68	3.59	4.47	4.21	4.45	4.57	4.03	4.68	2.75	4.05	3.65	3.40
Pioneer Dixie	1.76	1.42	1.77	1.75	1.56	2.34	1.59	3.06	2.59	2.83	2.47	2.64
Eureka No. 2	4.15	3.58	4.36	4.79	5.21	5.53	5.25	6.40	4.94	4.60	4.71	4.68
Upper Center Point	5.13	3.69	4.75	5.15	4.58	4.48	5.46	5.56	5.03	3.88	3.63	2.83
Lower Center Point	1.41	1.18	1.94	1.57	2.50	1.57	1.36	2.18	2.32	1.94	2.01	1.71
Average	4.33	3.84	4.35	4.15	4.32	5.09	4.96	5.45	3.33	5.44	3.74	5.29

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY 18 CANALS FROM BOISE RIVER
FOR EACH IRRIGATION SEASON FROM 1916

	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
3	4.33	5.29	5.30	4.84	5.16	4.10	5.78	5.67	5.06	5.00	5.49	4.36	5.90	5.47	5.51	5.96
8	2.90	3.89	3.52	3.38	2.89	2.41	3.80	3.66	2.78	3.50	3.56	2.97	3.91	3.52	3.29	3.79
7	3.37	5.97	5.16	4.50	4.86	3.35	4.33	4.38	4.05	3.61	3.60	3.53	4.35	4.17	3.33	4.40
6	5.54	6.01	6.15	5.69	6.23	5.72	5.59	5.74	6.04	5.11	5.88	5.88	6.44	6.46	5.96	6.41
8	5.23	6.74	6.55	5.87	6.30	4.36	5.71	6.48	5.07	6.38	5.92	5.01	6.56	5.61	5.33	6.61
6	6.10	6.33	6.18	5.85	5.78	5.05	7.53	5.94	6.51	5.03	4.84	4.70	5.02	5.28	5.09	4.64
8	4.20	6.57	4.80	3.79	4.55	4.07	4.05	3.51	4.09	3.64	3.99	4.61	5.47	5.52	5.89	6.05
4	4.40	7.50	6.09	5.56	5.29	4.13	6.34	7.04	5.09	4.78	5.06	3.41	4.00	3.42	3.56	3.31
71	3.20	5.25	5.17	4.36	4.96	2.96	5.05	5.01	3.87	4.16	4.26	3.55	4.72	4.17	3.94	4.46
32	5.93	5.79	6.99	6.80	6.67	5.92	6.21	7.14	6.81	6.98	6.55	6.84	7.59	6.47	5.48	6.16
20	5.00	5.73	5.01	4.78	5.00	4.52	5.05	5.24	5.40	5.42	4.72	4.80	4.96	5.27	4.72	5.36
75	3.37	5.92	5.11	4.45	5.48	3.17	5.50	5.08	3.89	4.93	4.72	4.53	6.04	4.45	4.46	5.08
24	2.45	3.37	3.85	2.78	3.27	2.86	2.97	3.53	2.59	5.38	5.65	5.34	7.17	7.94	4.77	5.33
05	3.65	3.40	3.72	3.36	3.95	3.27	3.16	4.49	3.24	5.02	3.98	4.11	4.12	5.05	4.43	4.29
83	2.47	2.64	3.71	2.80	3.02	2.76	2.45	2.57	3.31	3.94	4.39	4.01	5.17	6.57	6.05	5.95
60	4.71	4.68	4.81	3.95	4.68	3.95	3.99	4.46	4.94	4.85	3.91	4.19	5.24	5.88	5.94	5.68
88	3.63	2.83	4.33	3.97	4.64	4.19	4.67	4.17	3.60	4.87	4.16	4.33	3.95	5.59	5.70	6.06
94	2.01	1.71	6.17	2.31	2.00	2.37	2.12	2.14	3.03	3.56	1.93	3.02	2.88	4.67	5.44	5.79
44	3.74	5.29	5.03	4.44	4.80	3.52	4.96	4.90	4.23	4.56	4.72	4.06	5.21	4.76	4.58	5.07

Chart No. 14

R

	1939	1940	1941
	5.47	5.51	5.96
	3.52	3.29	3.79
	4.17	3.33	4.40
	6.46	5.96	6.41
	5.61	5.33	6.61
	5.28	5.09	4.64
	5.52	5.89	6.05
	3.42	3.56	3.31
	4.17	3.94	4.46
	6.47	5.48	6.16
	5.27	4.72	5.36
	4.45	4.46	5.08
	7.94	4.77	5.33
	5.05	4.43	4.29
	6.57	6.05	5.95
	5.88	5.94	5.68
	5.59	5.70	6.06
	4.67	5.44	5.79
	4.76	4.58	5.07

	1916	1917	1918	1919	1920	1921	1922	1923	1924
April	38752	3792	31512	32346	21948	51884	17916	66580	55066
May	91894	50150	114716	125910	110206	103686	112584	128312	117794
June	94162	112326	110264	112044	117400	121154	132968	104112	90580
July	106068	115366	102698	90080	107586	126942	124598	132372	49858
August	86590	90236	78784	66948	78452	98616	99156	103304	30106
September	73978	62678	55764	43534	54836	71126	71438	79264	31396
Total	491444	434548	493738	470862	490428	573408	558660	613944	374800

April	.34	.03	.28	.28	.19	.46	.16	.59	.49	.
May	.81	.44	1.01	1.11	.97	.92	1.00	1.14	1.04	1.
June	.83	.99	.97	.99	1.04	1.08	1.18	.93	.80	1.
July	.94	1.02	.91	.79	.95	1.12	1.11	1.18	.44	1.
August	.76	.80	.69	.59	.69	.88	.88	.91	.26	.
September	.61	.55	.49	.39	.48	.63	.63	.70	.28	.
Total	4.33	3.84	4.35	4.15	4.32	5.09	4.96	5.45	3.31	5.

April	.28	.02	.23	.23	.16	.38	.13	.15	.21	.43
May	.65	.36	.81	.90	.78	.74	.81	.92	.87	.99
June	.69	.82	.81	.82	.86	.90	.98	.78	.67	.95
July	.76	.82	.73	.64	.77	.90	.89	.95	.37	.90
August	.61	.65	.56	.48	.56	.68	.71	.75	.22	.72
September	.54	.46	.41	.32	.40	.53	.52	.56	.23	.54
Average	.59	.52	.59	.57	.59	.69	.68	.75	.46	.75

[illegible]

SUMMARY OF DIVERSIONS BY 18 CANALS FROM BOISE RIVER BEGINNING 1916

Acre Feet Diverted

1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936
55066	58840	54720	38144	30380	13574	63910	35312	29258	44744	97480	27234	327
17794	133652	112660	122736	139664	127630	114192	135124	124554	123594	127234	135380	1442
90580	128192	94400	127004	128168	119852	125390	97806	128286	137198	100320	129017	11391
49858	121656	67656	126410	115496	103810	98520	59454	120818	108706	71736	102937	9964
30106	97294	47762	101428	83036	72406	76562	36398	87472	80802	45442	75411	7129
31396	92954	44760	80726	70006	58590	61944	32244	68098	58160	34896	55207	7020
874800	612588	421958	596448	566750	498862	540518	396338	558486	553204	477108	525186	53206

Acre Feet Diverted Per Acre

.49	.52	.48	.34	.27	.12	.57	.31	.26	.40	.86	.24	.29
1.04	1.19	1.00	1.09	1.24	1.15	1.01	1.20	1.11	1.10	1.13	1.18	1.28
.80	1.14	.84	1.13	1.14	1.07	1.11	.87	1.14	1.22	.89	1.12	1.01
.44	1.08	.60	1.12	1.03	.93	.88	.53	1.07	.95	.64	.89	.88
.26	.86	.42	.90	.73	.65	.68	.32	.78	.72	.40	.65	.63
.28	.65	.40	.71	.62	.52	.55	.29	.60	.51	.31	.48	.63
3.31	5.44	3.74	5.29	5.03	4.44	4.80	3.52	4.96	4.90	4.23	4.56	4.72

Rate in Miners Inches Per Acre Diverted

.21	.43	.40	.28	.22	.10	.47	.25	.21	.33	.72	.20	.24
.87	.99	.83	.90	1.02	.94	.84	.99	.92	.92	.94	.99	1.07
.67	.95	.70	.94	.94	.87	.92	.71	.95	1.02	.74	.94	.84
.37	.90	.50	.93	.85	.76	.73	.44	.89	.79	.53	.75	.73
.22	.72	.35	.75	.60	.53	.57	.26	.65	.60	.33	.54	.52
.23	.54	.33	.59	.51	.42	.46	.24	.50	.42	.26	.40	.52
.46	.75	.52	.73	.69	.60	.66	.48	.69	.68	.59	.64	.65

Percent During Each Month

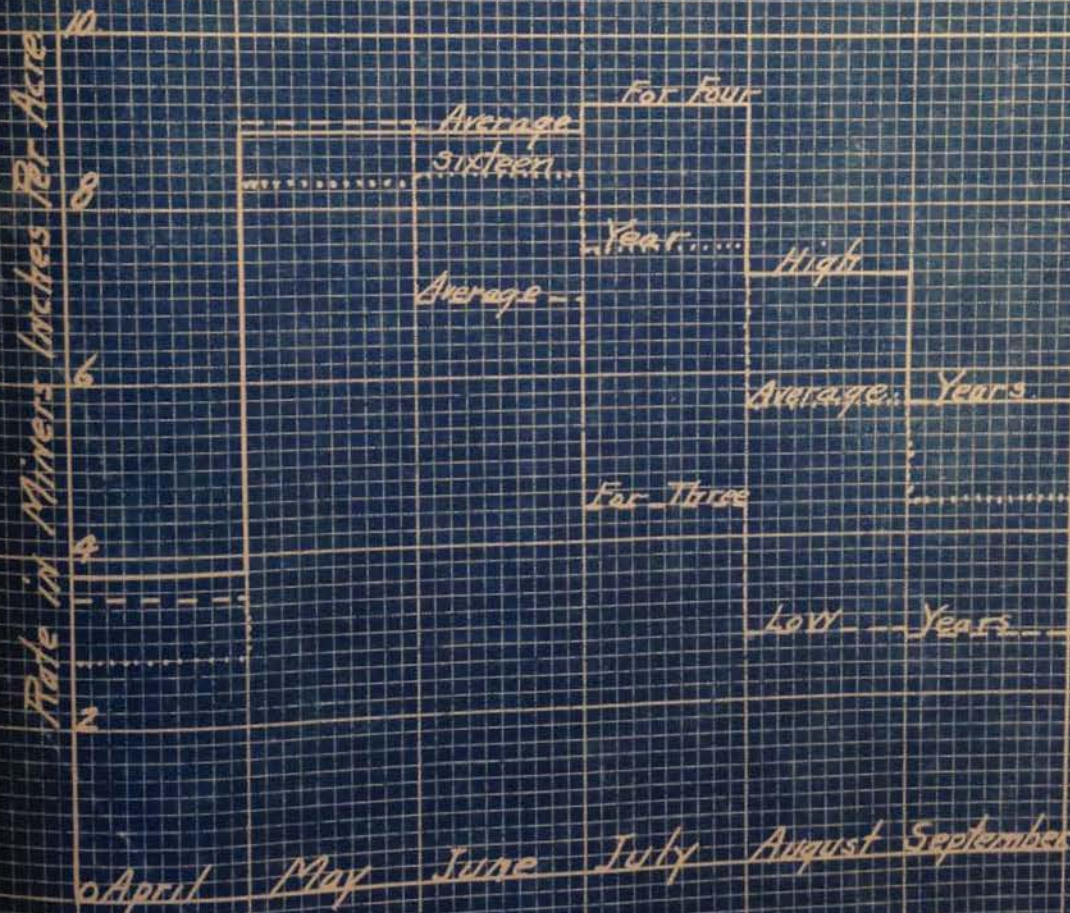
[illegible]

[illegible]

Chart 16.

CHART SHOWING HEADGATE DUTY OF WATER IN MINERS INCHES PER ACRE FOR 18 BOISE VALLEY CANALS.

— Average for Four High Years 1921-23-25-27.
 --- Average for Three Low Years 1924-26-31.
 Average for Sixteen Year Period 1916-31 inclusive.



TOTAL MONTHLY DIVERSIONS IN ACRE FEET
CANALS IN DRAINAGE DISTRICT NO. 2 FOR
IRRIGATION SEASON 1941

Canals	April	May	June	July	August	September
Farmers Union and Wise	3,298	9,066	8,328	7,910	6,112	4,444
Boise Valley	2,264	3,870	3,408	3,126	2,486	2,340
New Dry Creek	384	1,210	1,040	714	574	660
New Union	1,840	4,544	3,664	2,900	2,590	2,440
Ballantine	392	740	440	782	596	300
Little Pioneer	5,370	8,810	7,136	5,258	4,444	3,486
Middleton Irrigation Association	2,010	3,738	2,594	2,478	2,162	1,582
Middleton Mill	890	1,752	1,362	1,740	1,180	996
Canyon County	3,206	4,382	3,824	3,774	2,860	2,262
Totals	19,654	38,112	31,796	28,682	23,004	18,530

TOTAL MONTHLY FLOW, IN ACRE FEET,
OF DRAINS IN DRAINAGE DISTRICT NO. 2
SEASON OF 1941

Drains	April	May	June	July	August	September	Totals
Eagle Drain	1,198	2,808	2,948	2,698	2,450	2,524	14,626
Star Feeder	784	1,946	1,860	2,644	2,168	2,922	12,324
Watts Check	1,258	1,744	1,872	1,680	1,396	968	8,918
Long Feeder	822	1,468	802	878	856	234	5,060
South Middleton Drain	2,972	7,046	5,610	2,044	1,976	3,474	23,122
North Middleton Drain	750	3,310	3,418	1,448	1,280	1,552	11,758
Hartley Drain	620	1,114	678	934	1,132	846	5,324
Totals	8,404	19,436	17,188	12,326	11,258	12,520	81,132

TOTAL MONTHLY DIVERSIONS IN ACRE FEET, OF
CANALS IN DRAINAGE DISTRICT NO. 2 FOR 29,000 ACRES

IRRIGATION SEASON 1941

June	July	August	September	Total
8,328	7,910	6,112	4,464	39,178
3,408	3,126	2,486	2,340	17,494
1,040	714	574	660	4,582
3,664	2,900	2,590	2,440	17,978
440	782	596	300	3,250
7,136	5,258	4,444	3,486	34,504
2,594	2,478	2,162	1,582	14,564
1,362	1,740	1,180	996	7,920
3,824	3,774	2,860	2,262	20,308
31,796	28,682	23,004	18,530	159,778

TOTAL MONTHLY FLOW, IN ACRE FEET,
OF DRAINS IN DRAINAGE DISTRICT NO.2

SEASON OF 1941

ay	June	July	August	September	Total
08	2,948	2,698	2,450	2,524	14,626
46	1,860	2,644	2,168	2,922	12,324
44	1,872	1,680	1,396	968	8,918
468	802	878	856	234	5,060
046	5,610	2,044	1,976	3,474	23,122
810	3,418	1,448	1,280	1,552	11,758
114	678	934	1,132	846	5,324
436	17,188	12,326	11,258	12,520	81,132

Chart 2

SUMMARY TABLE

Year	Canal Diversion	Drain Discharge	Used, Re and wint of
1922	6.38	2.90	3.48
1923	6.95	2.99	3.96
1924	5.03	2.59	2.44
1925	6.21	2.42	3.79
1926	4.92	1.97	2.95
1927	6.28	2.62	3.66
1928	6.08	2.78	3.30
1929	5.46	2.27	3.19
1930	5.97	2.61	3.36
1931	5.06	1.99	3.07
1932	5.73	2.36	3.37
1933	5.09	2.36	3.73
1934	4.59	2.41	2.18
1935	4.88	2.27	2.61
1936	4.86	2.55	2.31
1937	4.73	2.37	2.36
1938	5.40	2.84	2.66
1939	5.26	2.32	2.94
1940	4.90	2.51	2.39
1941	5.51	2.80	2.71

MONTHLY DIVERSIONS IN ACRE FEET, OF
DRAINAGE DISTRICT NO. 2 FOR 29,000 ACRES

Chart No. 17

IRRIGATION SEASON 1941

July	August	September	Total
910	6,112	4,464	39,178
126	2,486	2,340	17,494
714	574	660	4,582
900	2,590	2,440	17,978
782	596	300	3,250
2,258	4,444	3,486	34,504
4,478	2,162	1,582	14,564
1,740	1,180	996	7,920
8,774	2,860	2,262	20,308
8,682	23,004	18,530	159,778

SUMMARY TABLE

Year	Canal Diversions	Drain Discharge	Used, Retained and winter run-off
1922	6.38	2.90	3.48
1923	6.95	2.99	3.96
1924	5.03	2.99	2.44
1925	6.21	2.42	3.79
1926	4.92	1.97	2.95
1927	6.28	2.62	3.66
1928	6.08	2.78	3.30
1929	5.46	2.27	3.19
1930	5.97	2.61	3.36
1931	5.06	1.99	3.07
1932	5.73	2.36	3.37
1933	5.09	2.36	3.73
1934	4.59	2.41	2.18
1935	4.88	2.27	2.61
1936	4.86	2.55	2.31
1937	4.73	2.37	2.36
1938	5.40	2.84	2.66
1939	5.26	2.32	2.94
1940	4.90	2.51	2.39
1941	5.51	2.80	2.71

TOTAL MONTHLY FLOW, IN ACRE FEET,
RAINS IN DRAINAGE DISTRICT NO.2
SEASON OF 1941

July	August	September	Total
2,698	2,450	2,524	14,626
2,644	2,168	2,922	12,324
1,680	1,396	968	8,918
878	856	234	5,060
2,044	1,976	3,474	23,122
1,448	1,280	1,552	11,758
934	1,132	846	5,324
12,326	11,258	12,520	81,132

SUMMARY T
SHOWING RETURN

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
April		447	939		1093	822	441	1075	903	650	412	681
May		861	1192	1214	1247	1008	629	1475	741	1228	644	350
June		545	1191	1341	1281	1048	817	880	963	1200	594	1123
July	465	498	1006	1179	756	598	697	888	836	877	372	935
August	276	381	727	690	785	558	630	811	713	800	341	799
September	469	460	739	715	938	549	596	814	618	863	311	880
Average	403	533	964	1027	1011	763	635	990	795	739	446	794

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
April												
May												
June											243	
July	139	122			227	252			242		180	
August	70	130	194	254	270	233	203	285	239	286	176	328
September	201	150	199	225	263	248	118	267	180	344	134	323
Average	123	137	196	242	260	242	178	281	213	315	183	325

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925
April												
May												339
June												192
July	357	249			431	352			547			
August	213	245	503	425	503	325	426	526	474	574	165	470
September	280	300	540	386	500	307	420	512	439	613	177	560
Average	275	281	521	409	490	328	424	519	467	593	218	515

SUMMARY TABLE IN SECOND FEET
SHOWING RETURN FLOW TO BOISE RIVER.

RETURN FLOW TO ENTIRE RIVER

1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
650	412	681	304	711	839	467	274	336	423	488	348	212	185	357	1
1228	644	350	638	860	983	600	758	670	1825	1300	724	815	976	685	1
1200	594	1123	588	946	1140	1077	869	694	1243	929	839	1204	1147	987	1
877	372	935	412	902	706	538	673	386	980	658	515	669	735	598	1
800	341	799	376	728	552	483	626	345	555	551	374	504	589	464	1
863	311	880	496	839	698	571	658	384	581	540	454	505	713	473	8
739	446	794	469	831	820	623	643	469	934	744	542	652	725	594	10

RETURN FLOW TO SECTION ONE

1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
	243		214												
	180		137		222	137	260	158	336	216	204	257	343	273	
286	176	328	144	272	187	170	230	157	183	247	110	201	294	185	24
344	134	323	209	247	257	184	262	167	183	177	168	197	377	168	23
315	183	325	176	260	222	164	251	161	234	213	161	218	338	208	23

RETURN FLOW TO SECTION TWO

1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
	339		343												
	192		275		459	398	414	228	623	409	314	412	438	326	
574	165	470	232	455	365	313	395	188	372	325	264	305	329	280	51
613	177	560	287	592	442	412	396	217	398	361	286	308	376	305	59
593	218	515	284	524	422	374	401	211	464	365	288	341	381	303	55

Chart No. 18

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
839	467	274	336	423	488	348	212	185	357	593	259	607	547
983	600	758	670	1825	1300	724	815	976	685	1355	956	955	1269
1140	1077	869	694	1243	929	839	1204	1147	987	1373	875	879	1334
706	538	673	386	980	658	515	669	735	598	1213	605	637	746
552	483	626	345	555	551	374	504	589	464	753	505	535	746
698	571	658	384	581	540	454	505	713	473	823	660	716	840
820	623	643	469	934	744	542	652	725	594	1018	643	721	914

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
222	137	260	158	336	216	204	257	343	273			213	290
187	170	230	157	183	247	110	201	294	185	242	246	212	269
257	184	262	167	183	177	168	197	377	168	233	249	222	267
222	164	251	161	234	213	161	218	338	208	238	239	216	275

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
459	398	414	228	623	409	314	412	438	326		358	422	479
365	313	395	188	372	325	264	305	329	280	511	281	323	482
442	412	396	217	398	361	286	308	376	305	590	411	494	578
422	374	401	211	464	365	288	341	381	303	550	350	413	513

TABLE SHOWING TOTAL DISCHARGE OF ALL DRAINS
IN DRAINAGE DISTRICT NO. 3 FOR 4200 ACRES
SEASON OF 1941

	April	May	June	July	August	September	Total
Average Daily Flow in Second Feet	7.5	9.7	12.8	12.2	9.4	10.6	10.4
Total Monthly Flow in Acre Feet	450.0	604.0	770.0	756.0	580.0	636.0	3796.0
Acre Feet Per Acre	.11	.14	.18	.18	.14	.14	.90

TABLE SHOWING TOTAL DISCHARGE OF DRAINAGE CANALS
IN DRAINAGE DISTRICT NO. 4 FOR 2500 ACRES
SEASON OF 1941

	April	May	June	July	August	September	Total
Average Daily Flows in Second Feet	10.0	12.8	15.1	18.4	18.9	19.0	15.7
Total Monthly Flow in Acre Feet	602.0	794.0	908.0	1140.0	1174.0	1142.0	5760.0
Acre Feet Per Acre	.24	.32	.36	.46	.47	.46	2.30

Sum
Acre Feet

1925
1926
1927
1928
1929
1930
1931
1932
1933
1934
1935
1936
1937
1938
1939
1940
1941

Chart No. 19

TABLE SHOWING TOTAL DISCHARGE OF ALL DRAINS
IN DRAINAGE DISTRICT NO. 3 FOR 4200 ACRES
SEASON OF 1941

April	May	June	July	August	September	Total
7.5	9.7	12.8	12.2	9.4	10.6	10.4
450.0	604.0	770.0	756.0	580.0	636.0	3796.0
.11	.14	.18	.18	.14	.14	.90

Summary Table
Acre Feet Per Acre

1925	1.43
1926	1.03
1927	1.29
1928	1.15
1929	1.16
1930	.96
1931	.86
1932	1.25
1933	1.18
1934	.89
1935	1.04
1936	1.43
1937	.83
1938	.83
1939	1.00
1940	1.01
1941	.90

TABLE SHOWING TOTAL DISCHARGE OF DRAINAGE CANALS
IN DRAINAGE DISTRICT NO. 4 FOR 2500 ACRES

SEASON OF 1941						
April	May	June	July	August	September	Total
10.0	12.8	15.1	18.4	18.9	19.0	15.7
602.0	794.0	908.0	1140.0	1174.0	1142.0	5760.0
.24	.32	.36	.46	.47	.46	2.30

Summary Table
Acre Feet Per Acre

1925	2.66
1926	2.07
1927	2.70
1928	2.55
1929	2.02
1930	2.45
1931	1.82
1932	2.03
1933	2.26
1934	2.34
1935	2.10
1936	2.12
1937	2.36
1938	2.25
1939	3.60
1940	2.36
1941	2.30

REVISED AREA AND CAPACITY TABLE FOR ARROWROCK RESERVOIR

Chart No. 20

(Capacities derived from inflow and outflow. Compiled by W. G. Steward,
U.S.R.S., January 1918. Revised by W. H. Tuller, Boise Project
Board of Control, 1935)

Elev.	Storage in Acre Feet	Tabular Differ- ence	:	Elev.	Storage in Acre Feet	Tabular Differ- ence
			:	3001	1250	90
			:	2	1340	90
			:	3	1440	100
			:	4	1540	100
			:	5	1640	100
			:	3006	1740	100
			:	7	1850	110
			:	8	1960	110
			:	9	2080	120
			:	10	2210	130
			:	3011	2340	130
			:	12	2470	130
			:	13	2610	140
			:	14	2760	150
			:	15	2910	150
			:	3016	3070	160
			:	17	3240	170
			:	18	3420	180
			:	19	3600	180
2974	0		:	20	3800	200
75	20	20	:	3021	4000	200
2976	40	20	:	22	4200	200
77	60	20	:	23	4400	200
78	80	20	:	24	4600	200
79	100	20	:	25	4800	200
80	120	20	:	3026	5010	210
2981	140	20	:	27	5220	210
82	170	30	:	28	5430	210
83	200	30	:	29	5650	220
84	230	30	:	30	5870	220
85	270	40	:	3031	6090	220
2986	310	40	:	32	6310	220
87	350	40	:	33	6530	220
88	400	50	:	34	6770	240
89	450	50	:	35	7010	240
90	500	50	:	3036	7250	240
2991	560	60	:	37	7490	240
92	620	60	:	38	7750	260
93	680	60	:	39	8010	260
94	740	60	:	40	8270	260
95	800	60	:	3041	8550	280
2996	870	70	:	42	8850	300
97	940	70	:	43	9170	320
98	1010	70	:	44	9510	340
99	1080	70	:	45	9870	360
3000	1160	80	:			

REVISED AREA AND CAPACITY TABLE FOR ARROWROCK RESERVOIR

Chart 20-A

(Capacities derived from inflow and outflow. Compiled by W. G. Steward
U.S.R.S., January 1918. Revised by W. H. Tuller, Boise Project
Board of Control, 1935)

Elev.	Storage in Acre Feet	Tabular Differ- ence	:	Elev.	Storage in Acre Feet	Tabular Differ- ence
3046	10260	390	:	3091	39500	1000
47	10660	400	:	92	40500	1000
48	11070	410	:	93	41500	1000
49	11490	420	:	94	42500	1000
50	11920	430	:	95	43500	1000
3051	12360	440	:	3096	44600	1100
52	12810	450	:	97	45700	1100
53	13270	460	:	98	46800	1100
54	13740	470	:	99	47900	1100
55	14220	480	:	3100	49000	1200
3056	14710	490	:	3101	50200	1200
57	15210	500	:	2	51400	1200
58	15720	510	:	3	52600	1200
59	16240	520	:	4	53800	1200
60	16770	530	:	5	55000	1300
3061	17310	540	:	3106	56300	1300
62	17860	550	:	7	57600	1300
63	18420	560	:	8	58900	1300
64	18990	570	:	9	60200	1300
65	19570	580	:	10	61500	1300
3066	20170	600	:	3111	62800	1300
67	20790	620	:	12	64100	1300
68	21420	630	:	13	65400	1300
69	22070	650	:	14	66700	1300
70	22730	660	:	15	68000	1400
3071	23400	670	:	3116	69400	1400
72	24090	690	:	17	70800	1400
73	24790	700	:	18	72200	1400
74	25500	710	:	19	73600	1400
75	26220	720	:	20	75000	1500
3076	26950	730	:	3121	76500	1500
77	27690	740	:	22	78000	1500
78	28450	760	:	23	79500	1500
79	29220	770	:	24	81000	1500
80	30000	780	:	25	82500	1600
3081	30800	800	:	3126	84100	1600
82	31600	800	:	27	85700	1600
83	32400	800	:	28	87300	1600
84	33200	800	:	29	88900	1600
85	34000	900	:	30	90500	1700
3086	34900	900	:	3131	92200	1700
87	35800	900	:	32	93900	1700
88	36700	900	:	33	95600	1700
89	37600	900	:	34	97300	1700
90	38500	900	:	35	99000	1700

REVISED AREA AND CAPACITY TABLE FOR ARROWROCK RESERVOIR

(Capacities derived from inflow and outflow. Compiled by W. G. Steward
U.S.R.S., January 1918. Revised by W. H. Tuller, Boise Project
Board of Control, 1935)

Elev.	Storage in Acre Feet	Tabular Differ- ence	:	Elev.	Storage in Acre Feet	Tabular Differ- ence
3136	100700	1700	:	3181	191900	2400
37	102400	1700	:	82	194300	2400
38	104100	1700	:	83	196700	2400
39	105800	1700	:	84	199100	2400
40	107500	1700	:	85	201500	2400
3141	109300	1800	:	3186	204000	2500
42	111100	1800	:	87	206500	2500
43	112900	1800	:	88	209000	2500
44	114700	1800	:	89	211500	2500
45	116500	1800	:	90	214000	2500
3146	118400	1900	:	3191	216600	2600
47	120300	1900	:	92	219200	2600
48	122200	1900	:	93	221800	2600
49	124100	1900	:	94	224400	2600
50	126000	1900	:	95	227000	2600
3151	128000	2000	:	3196	229600	2600
52	130000	2000	:	97	232200	2600
53	132000	2000	:	98	234800	2600
54	134000	2000	:	99	237400	2600
55	136000	2000	:	3200	240000	2600
3156	138000	2000	:	3201	242800	2800
57	140000	2000	:	2	245600	2800
58	142000	2000	:	3	248400	2800
59	144000	2000	:	4	251200	2800
60	146000	2000	:	5	254000	2800
3161	148100	2100	:	3206	256900	2900
62	150200	2100	:	7	259800	2900
63	152300	2100	:	8	262700	2900
64	154400	2100	:	9	265600	2900
65	156500	2100	:	10	268500	2900
3166	158600	2100	:	3211	271500	3000
67	160700	2100	:	12	274500	3000
68	162800	2100	:	13	277500	3000
69	164900	2100	:	14	280500	3000
70	167000	2200	:	15		
3171	169200	2200	:			
72	171400	2200	:			
73	173600	2200	:			
74	175800	2200	:			
75	178000	2300	:			
3176	180300	2300	:			
77	182600	2300	:			
78	184900	2300	:			
79	187200	2300	:			
80	189500	2300	:			

2967 C. L. of Sluice Gates
3018 C. L. of Lower Valves
3105 C. L. of Upper Valves
3205 Crest of Spillway Weir
3211 Top of Moveable Crest

ADDITIONAL DECREES BOISE RIVER.

Intervenors "Stewart Decree".

Number	Date	Name	Canal	Amount Sec. Ft.
66A	4-1-1878	J.S. Kraus	Ballantine	.80
129A	4-1-1897	H.E. Plain	Dry Creek	.54
66C	4-1-1878	J.W. Kolander	Ballantine	1.40
66D	4-1-1878	M.T. Griffith	Ballantine	.80
73A	4-1-1880	Goble + Songer	Dry Creek	.54
75A	6-1-1880	C.B. Frank	Dry Creek	.816
136	5-1-1906	H.E. Wymer	Ballantine	1.356
85A	6-1-1882	Leo Marsters	Warm Springs	1.60
137	5-1-1909	B.P. Weaverling		1.60
138	6-14-1912	Wesley A. Mace		.40
85C	5-1-1883	Wm. Huckba	Dry Creek	.203
85D	5-1-1883	C.H. Schmelzer	Ballantine	.7506
85E	5-1-1883	C.W. McChurg	Dry Creek	.35
124A	5-1-1893	W.D. Charters	"	1.00
85B	4-1-1883	Jacob Bingham	Settlers	1.00
77A	4-15-1882	Roc Helms	Riverside Irrig. D.	3.674
8A	4-1-1865	Adolph Bahler	Bahler	.80
47A	4-1-1870	"	"	.80
35A	6-1-1867	Ralph T. Knight	Canyon County	1.76
116A	6-1-1890	Aring Spencer	Riverside Irrig. D.	.72
116B	6-1-1890	Willis B. Spencer	"	.10
116C	6-1-1890	Rebecca Bell	"	.40
114A	5-1-1889	Neil + Patrick O'Donnell	O'Donnell + Barth	1.60
114B	5-1-1889	Gus A. Barth	"	.80
77A	6-1-1881	Gus A. Barth	Parma Ditch Co	1.60
77B	6-1-1881	Charles Juries	"	.34
77C	6-1-1881	James Finlay	"	.80
77D	6-1-1881	Lester J. Shippy	"	1.30
31A	6-1-1866	Wm. M. Lusser	Lawrence + Kennedy	2.30
31B	6-1-1866	Minnie + Jerry Couzens	Middleton Water	.60
31C	6-1-1866	Albert C. Bowerman	Lawrence + Kennedy	1.10
71A	4-1-1879	Island Highline Ditch Co.		3.00
137A	4-1-1910	"		7.00
139	4-1-1915	"		10.00
75A	1880	Albert Lemp et al	Larsen-Baxter + Lemp	3.20
29A	1865	Louise Stommonson	Lemp Ditch Eagle Island	6.00
8B	4-1-1865	First Nat. Bank of Idaho	Bubb	.180
29B	1865	SG. Hardies + Amelia Easley	"	.50
51A	1870	"	"	1.00
116-A	1889	"	"	.84

Intervenor's "Stewart Decree"

Chart 21.

Name	Canal	Amount	Sec. Ft.	Inches.	Depth	File No.
J.S. Kraus		1.80	40.	373		373
H.E. Plain		.54	27	373		373
J.W. Kolander		1.40	70	373		373
M.T. Griffith		.80	40	373		373
Goble + Sonner		.54	27	373		373
C.B. Frank		.86	40.80	380		380
H.E. Wymer		1.356	1780	325		325
Leo Morters		1.60	80	324		324
B.P. Weaverling		1.60	80	294		294
Wesley A. Mace		.40	20	293		293
Wm. Hucksba		.203	10.15	321		321
C.H. Schmeltzer		.7506	37.53	320		320
C.W. McCsburg		.35	17.50	319		319
W.D. Charters		1.00	50.	318		318
Jacob Bingham		1.00	50.	317		317
Roc Helms		1.00	50.	295		295
Adolph Bahler		3.674	183.70	412		412
"		.80	40.	412		412
Rolph T. Knight		1.76	88.	419		419
Anna Spencer		.72	36	128 Misc		128 Misc
Willis B. Spencer		.10	5	"		"
Rebecca Bell		.40	20	"		"
Neil + Patrick O'Donnell		1.60	80	466		466
Gus A. Barth		.80	40	467		467
Gus A. Barth		1.60	80	467		467
Charles Juries		.34	17	467		467
James Finlay		.80	40	467		467
Lester Shipley		1.30	65	467		467
Wm. Musser		2.30	115	482		482
Mary Louzans		.60	30	482		482
Albert C. Boyer		1.10	55	482		482
Island Highline Ditch Co.		3.00	150	491		491
"		7.00	350	491		491
"		10.00	500	496		496
Larsen-Baxter + Lemp		3.20	160	496		496
Lemp Ditch Lagle Island		6.00	300	497		497
Bubb		1.80	90	498		498
"		.50	25	498		498
"		1.00	50	498		498
"		.84	42	498		498

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF

No. of Change of Point of D.	Point of Diversion		Date of Change	Priority		No of Acres
	From.	To.		No	Date	
3		Eureka No 2	4-2-1912	96	10-1-87	80
9			7-31-1912			
29		Canyon County	8-26-1918			50
32		Davis Ditch	7-15-1919			
35		Riverside	4-3-1919			160
36	Canyon County	Middleton Water	4-12-1918	35	6-1-67	
38	Hart & Davis	Seven Suckers	9-24-1915			
39	"	"	6-12-1918			
48	Plover Dixie		9-26-1918			
50	Lower Cen. Point	Bowman Swisher	3-31-1920	19	6-1-65	
51	"	"	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	25
59	Kennedy	Canyon County	3-18-1921	31	6-1-66	
61	Kennedy & Lawrence	Middleton Water	6-22-1921			
64	Ballantine	Dry Creek	12-21-1921			
75	Middleton Mill	Canyon County	11-25-1924			
76	"	Settlers	3-12-1925	85B	4-1-83	
77	Bubb	Bahler	4-26-1925	8A	4-1-65	80
"	"	"	"	47A	4-1-70	
83	Warm Springs	Settlers	4-29-1926			
84	Middleton Water	Farmers Union	3-9-1926	65	6-1-77	
85	Upper Center 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		6-1-66	115
127	Bowman Swisher	Larsen Baxter & Kemp	8-15-1930		6-1-65	4
131	Eureka No 2	Lower Cen. Point	1-16-1932		9-9-83	35
140	Ballantine	New Dry Creek	4-23-1934	85D	5-1-83	3
141	Fischer Power	Fischer Power	12-18-1934		7-19-12	
147	Mid Mill	Canyon County	1-8-1936		6-1-67	10
151	New Dry Creek	Ballantine	2-10-1937		5-1-93	6
159	Upper Center P.	Eureka No 2	5-27-1939		6-1-65	5

LIST OF DIVERSION OF DECREED RIGHTS ON BOISE RIVER.

No. of Diversion	Priority No.	Date	No of Acre	Quantity in Inches	By Whom	Remarks
1-1912	96	10-1-87	80		Thos. T. Johnston.	
1-1912					Albert F. Clemmons	
6-1918			50	50	J. C. Hughes	
5-1919					Ed Davis	
3-1919			160	100	Rebecca Bell	
2-1918	35	6-1-67		19	Draper & Others.	
24-1915				52	Slafer & Others.	
12-1918					George Rambo	
6-1918					Jas. D. Ruark	To Indian Creek.
31-1920	19	6-1-65		144	John S. Swisher	
1-1920	20	6-1-65		320	Bird & Barton	
24-1920	35	6-1-67		55 1/2	H. C. Dudley	
2-1920	65	6-1-77	35	30	Edward McIlhenny	Foot & Miseman.
18-1921	31	6-1-66		130	W. Kennedy	
22-1921				33 1/2	Minnie Cozens.	
21-1921				10	Harry Seavey.	
25-1924				25	Delaney & Co. Bank.	
12-1925	85B	4-1-83		50	Jacob Bingham.	
26-1925	8A	4-1-65	80	40	Adolph Bahler.	
" "	47A	4-1-70		40	"	
29-1926				36	Leo Marsters.	
9-1926	65	6-1-77		40	J. C. Ralph.	
7-1926				25	J. C. Bruce.	
23-1926	103			32 1/2	Ira E. Barber.	
3-1928					Charles Surries	Secretary.
25-1931		6-1-66		115	Wm. Musser.	
5-1930		6-1-65		40	Wm. Baxter.	
6-1932		9-9-83		35	R. E. McGuire.	
3-1934	85D	5-1-83		3	Chas. H. Schaefer.	
18-1934		7-19-12			Fischer Power Only	Below Fairview Bridge
1-1936		6-1-67		10	Cora McClifton.	
10-1937		5-1-93		6.75	J. H. Cone.	
27-1939		6-1-65		5	Raymond T. Breshers.	

Number of
Transfer

Point of Diversion
From To

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

			Priority No.	Date	Date of Transfer	Quantity In Inches	By Tr
84	Settlers!	Settlers!	92	10-17-84	3-16-1909)	15	Walter S.
85	Settlers!	Settlers!	122	6-1- 91	3-16-1909)		
86	American Ditch Assn.	Pioneer Dixie	96	10-1- 87	4-19-1909	100	C. H. Ros
87	American Ditch Assn.	Canyon Ditch Co.	96	10-1- 87	9-1- 1909	605	Wm. M. Me
88		Settlers!			2-5- 1910	10	J. E. Moor
89	American Ditch Assn.	Penitentiary	50	6-1- 66	2-4- 1910	112	Berber Lun
90	American Ditch Assn.	Eureka No. 2	96	10-1- 87	3-18-1910	1475	American I
91	Settlers!	Pioneer Dixie	96	10-1- 88	3-31-1910	210	Nichols &
92	Pioneer Dixie	Eureka No. 2			6-7- 1910	20	J. P. Clee
93	Upper Center Point	Eureka No. 2	96	10-1- 87	11-14-1910	50	J. A. Cart
94	Siebertsberg	Canyon	24	6-1- 65	3-14-1911	40	J. D. Role
95	Pioneer Dixie	Hillcrest	9	6-1- 65	9-18-1912	25	H. E. Meek
96	Pioneer Dixie	Hillcrest	96	10-1- 87	11-25-1912	60	H. L. Rand
97	Pioneer Dixie	Hillcrest	8	6-1- 64	11-25-1912)	1017	H. L. Rand
98	Jacobs	Hillcrest	45	6-1- 69	11-25-1912)		
99		Farmers Union	2	6-1- 64	6-8- 1914	1000	Boise Frui
100					7-15-1918	432	Pioneer Irr
101	Middleton Mill	Dry Creek		4- 20	4-20-1921	17.5	Emma M. Fov
102	Middleton Mill	Dry Creek			4-20-1921	72	John F. Gro
103	Middleton Mill	Settlers!	3	6-1- 64	2-6- 1925	7	C. E. White
104	Middleton Mill	Settlers!	3	6-1- 64	2-6- 1925	7	Frank Wease
105	Middleton Mill	Settlers!	3	6-1- 64	2-6- 1925	7	Carl A. Gis
106	Middleton Mill	Settlers!	65	6-1- 77	5- -1925	10	Nellie B. W
107	Boise City	Farmers Union	33	6-1- 66	3-16-1926	56.2	Henry W. Ba
108	Boise City	Farmers Union	33	6-1- 66	4-26-1926	18.7	L. A. Rice
109	Middleton Water #1	Farmers Union	65	6-1- 77	5-6- 1926	20	H. D. Parks
110	Middleton Water	Farmers Union	65	6-1- 77	5-6- 1926	10	A. G. Wing
111	Middleton Water	Farmers Union	65	6-1- 77	7-8- 1926	20	Mary F. Lea
112	Middleton Water	Farmers Union	65	6-1- 77	7-8- 1926	13.3	H. E. McCon
113	Middleton Water	Farmers Union	65	6-1- 77	7-8- 1926	20	H. W. Bartl
114	Middleton Water	Farmers Union	65	6-1- 77	7-8- 1926	20	E. E. Smith
115	Middleton Water	Farmers Union	65	6-1- 77	8-13-1926	7.5	Rush Chase
116	Middleton Mill	Farmers Union	65	6-1- 77	8-21-1926	20	Fred Eggers
117	Middleton Water	Ridenbaugh	65	6-1- 77			
118	Middleton Mill	Farmers Union	3	6-1- 54)			
119	Middleton Mill	Farmers Union	54	6-1- 61)	9-15-1926	14.4	A. C. Bower
120	Middleton Mill	Farmers Union	120	6-1- 91)			
121	Middleton Mill	Farmers Union	65	6-1- 77	11-16-1926	25	G. R. McGuir
122	Middleton Water	Settlers!		6-1- 82	12-2- 1927	20	Chas. P. Mac
123	Thurman	Settlers!	65	6-1- 77	7-2- 1928	12.5	J. A. Peter
124	Farmers Union	New York	106	8-20-88	7-6- 1929	445	W. E. Tuller
125	Ridenbaugh	Settlers!	65	6-1- 77	7-12-1929	5	C. C. Hood
126	Settlers!	Settlers!		10-12-84	11-18-1929	10	Chas. N. Wal
127	Settlers!	Settlers!		10-13-84	4-7- 1930	3	Frank P. Bea
128	Settlers!	Settlers!		6-1- 64	5-27-1932	50	W. Scott And
129	Settlers!	Farmers Union	2	6-1- 64	5-27-1932	25	Farmers Unio
130	Jacobs Canal	Farmers Union	2	6-1- 64	5-15-1934	15	A. R. Whitne
131	Jacobs Canal	Farmers Union	1	6-1- 64	12-31-1934	34.37	Federal Land
132	Jacobs Ditch	Farmers Union	2	6-1- 64	9-9- 1938	15	Boise Trust
133	Farmers Union	Nampa-Meridian	1	6-1- 64	9-9- 1938	15	Boise Trust
134	Jacobs Canal	Settlers!	1	6-1- 64	4-29-1940	50	E. F. Tracy
135	Jacobs Canal	Pioneer Dixie	88	6-1- 83			
136	Riverside						

TRANSFERS OF DECREEED RIGHTS ON BOISE RIVER

Chart No. 23

Quantity Date	Date of Transfer	Quantity In Inches	By Whom Transferred	Remarks
10-17-84	3-16-1909)	15	Walter S. Bruce	
6-1- 91	3-16-1909)			
10-1- 87	4-19-1909	100	C. H. Rosenberger	Change in point of diversion only.
10-1- 87	9-1- 1909	605	Wm. M. Messler	
6-1- 66	2-5- 1910	10	J. E. Moore	
10-1- 87	2-4- 1910	112	Barber Lumber Co.	
10-1- 88	3-18-1910	1475	American Ditch Association	Change in point of diversion only.
	3-31-1910	210	Nichols & Cooper	Change in point of diversion only.
10-1- 87	6-7- 1910	20	J. P. Cleek	
6-1- 65	11-14-1910	50	J. A. Cartright	
6-1- 65	3-14-1911	40	J. D. Roland	Change in point of diversion only.
10-1- 87	9-18-1912	25	H. E. Meek	
6-1- 64	11-25-1912	60	H. L. Randall & Others	
6-1- 69	11-25-1912)	1017	H. L. Randall & Others	
6-1- 64	6-8- 1914	1000	Boise Fruit Tract Co.	
	7-15-1918	432	Pioneer Irrig. District	Licensed Right Indian Creek
4- 20	4-20-1921	17.5	Emma M. Fowler	
	4-20-1921	72	John F. Groome	
6-1- 64	2-6- 1925	7	C. E. White	
6-1- 64	2-6- 1925	7	Frank Weasel	
6-1- 64	2-6- 1925	7	Carl A. Gish	
6-1- 77	5- -1925	10	Nellie B. Whitaker	
6-1- 66	3-16-1926	56.2	Henry W. Bartlett	
6-1- 66	4-26-1926	18.7	L. A. Rice	
6-1- 77	5-6- 1926	20	H. D. Parks	
6-1- 77	5-6- 1926	10	A. G. Wing	
6-1- 77	7-8- 1926	20	Mary F. Leach	
6-1- 77	7-8- 1926	13.3	H. E. McConnell	
6-1- 77	7-8- 1926	20	H. W. Bartlett	
6-1- 77	7-8- 1926	20	E. E. Smith	
6-1- 77	8-13-1926	7.5	Rush Chase	
6-1- 77	8-21-1926	20	Fred Eggers	
6-1- 54)				
6-1- 61)	9-15-1926	14.4	A. C. Bowerman	
6-1- 91)				
6-1- 77	11-16-1926	25	G. R. McGuire	
6-1- 82	12-2- 1927	20	Chas. P. Mace	
6-1- 77	7-2- 1928	12.5	J. A. Peterson	Formerly Middleton Water.
8-20-88	7-6- 1929	445	W. H. Tuller	
6-1- 77	7-12-1929	5	C. C. Wood	
10-12-84	11-18-1929	10	Chas. N. Walker	
10-13-84	4-7- 1930	3	Frank P. Weasel	
6-1- 64	5-27-1932	50	W. Scott Anderson	
6-1- 64	5-27-1932	25	Farmers Union Ditch	
6-1- 64	5-15-1934	15	A. B. Whitney	
6-1- 64	12-31-1934	34.37	Federal Land Bank	
6-1- 64	9-9- 1938	15	Boise Trust Co.	Somermeir
6-1- 64	9-9- 1938	15	Boise Trust Co.	Falk
6-1- 83	4-29-1940	50	W. F. Tracy	

STEWART DECREE

No. Date	Name	Sec. E. Acres	Final Decree
106-1-64	Thomas Davis	2.20	110
206-1-64	Jacob Canal Co.	20.00	1000
306-1-64	Midleton Mill Ditch	12.80	640
406-1-64	Thomas Andrews	3.30	165
506-1-64	Collin & Maco	2.86	143
606-1-64	T.O. Catlin	3.30	165
706-1-64	C.G. Havard	3.30	165
806-1-64	Pioneer Ditch Co	2.00	1000
906-1-65	Seibenberg Ditch Co.	13.42	671
1006-1-65	Allan K Webster	1.20	60
1106-1-65	J.F. Xargan	.66	33
1206-1-65	Graham & Gilbert	4.40	220
1306-1-65	Eureka Water Co.	33.32	1666
1406-1-65	New Union Ditch Co.	13.76	688
1506-1-65	Rose Valley Irrig. Ditch	24.50	2729
1606-1-65	Ridenbaugh & Rossi	9.20	460
1706-1-65	Ridenbaugh & Rossi (Pump)	265.80	13290
1806-1-65	Dexter & Holland Co.	.80	40
1906-1-65	Martha Bowman	2.88	144
2006-1-65	Bird Bowman	6.50	320
2106-1-65	G.W. Goss	2.90	145
2206-1-65	Robert M. Gure	3.20	160
2306-1-65	C.W. Cooper	3.20	160
2406-1-65	J.W. Roland	2.40	120
2506-1-65	Draper & Wells	3.94	197
2606-1-65	Thomas J. Palmer	1.60	80
2706-1-65	Noah W. Palmer	1.58	79
2806-1-65	J.N. Tucker	7.00	350
2906-1-65	Thomas Andrews	6.00	300
3006-1-65	Thornhill & Johnson	50.00	2500
3106-1-65	William F. Kennedy	2.60	130
3206-1-65	Manville & Leonard	3.50	175
3306-1-65	Besse City Canal Co.	38.06	1903
3406-1-65	Franklin Ditch Co.	15.40	770
3506-1-65	Canyon Co. Water Co.	75.80	3790
3606-1-68	Martha E. McCarthy	1410	705
3706-1-68	H.P. Bora Goodman	3.70	185
3806-1-68	T.T. Johnson	3.20	160
3906-1-68	Ross, Allen, Dickey & Ross	8.54	427
4006-1-68	J.S. Gray	1.90	70
4106-1-64	John Mammion	1.80	90
4206-1-64	Isaac Bedal	1.60	80
4306-1-64	Frederick Cde	3.60	180
4406-1-64	Pror Burnett	8.50	425
4506-1-64	Robert D. Ditch Co.	35.44	1772
4606-1-69	Master Grant Ditch Co.	37.20	1860
4706-1-69	T.W. Boone	3.50	175
4806-1-70	W.J. Hamming	2.60	130
4906-1-70	Pioneer Canal	25.72	1286
5006-1-69	Barber Lumber Co.	2.24	112
5106-1-70	Thomas Andrews	1.50	65
5206-1-71	Collin & Maco	7.86	393
5306-1-71	Peter Meeras	1.80	90
5406-1-71	Midleton Mill Ditch Co.	33.70	1685
5506-1-72	J.F. Xargan	.70	35
5606-1-72	J.F. Xargan	1.40	70
5706-1-72	Mary C. Davis	4.40	220
5806-1-72	Edward N. Hart	3.30	165
5906-1-74	T.W. Boone	2.20	110
6006-1-75	Barber Lumber Co.	10.00	500
6106-1-76	Edward & Mary Clark	2.30	115
6206-1-76	John Locil	.44	22
6306-1-77	Thomas H. Hens	3.20	260
6406-1-77	W. McConway	30	45
6506-1-77	Midleton Ditch Co.	114.08	504
6606-1-77	Foran & Johnson	200.00	10000
6706-1-78	Hanger-Mendham Ditch	170.00	8500
6806-1-78	John Mammion	4.20	210
6906-1-78	Dula Mammion	3.36	168
7006-1-78	Charles Allen	8.90	440
7106-1-78	R.H. Stockton	4.40	220
7206-1-79	New Dry Creek Ditch Co.	31.32	1566
7306-1-79	D. Mumford	4.00	200
7406-1-80	Smith & Stockton	1.76	88
7506-1-80	Isam Toplin	2.50	120
7606-1-80	Joseph Goble	.90	45
7706-1-80	Franklin Ditch Co.	27.60	1380
7806-1-82	Allen K Webster	.90	45
7906-1-82	Susie Campbell	.60	30
8006-1-82	J.T. Barber	1.60	80
8106-1-82	Sonora Toplin	3.40	170
8206-1-82	S.W. Hutchinson	.44	22
8306-1-82	Johnson	.44	22
8406-1-82	Andrew J. Toplin	2.86	143
8506-1-82	Thomas L. Graham	2.20	110
8606-1-83	Farmers Cooperative Ditch	20.00	1000
8706-1-83	Francis M. Toplin	.90	45
8806-1-83	W.H. Black	12.00	600
8906-1-83	Eureka Ditch Co. No. 2	2.176	1085
9006-1-84	Thornhill & Johnson	50.00	2500

* Indicates rights supplied by return flow to owner.

STEWART DECREE.

CHART 28

No.	Date	Name	Am't. Decreed	No.	Date	Name	Am't. Decreed
			Sec. Ft. Inches				Sec. Ft. Inches
46	6-1-69	Mason Creek Ditch Co.	37.20 1860	91	6-1-84	Riverside Irrig. Dist.	20.00 1000
47	6-1-69	T. W. Boone.	3.50 175	92	10-17-84	Settlers Canal Co.	99.06 4953
48	6-1-70	W. J. Hamming	2.60 130	93	6-1-86	New Dry Creek Ditch	15.22 761
49	6-1-70	Pioneer Canal	25.72 1286	94	6-1-86	Thomas Davis	13.40 670
50	6-1-69	Barber Lumber Co.	2.24 112	95	1-23-87	W. C. L. E. Young	4.00 200
51	6-1-70	Thomas Andrews	1.30 65	96	10-1-87	American Ditch Assoc.	47.80 2390
52	6-1-71	Catlin & Maco	7.86 393	97	6-1-88	New Dry Creek Ditch Co.	7.86 393
53	6-1-71	Peter Meenas	1.80 90	98	6-1-88	A. L. Linder	4.00 200
54	6-1-71	Middleton Mill Ditch Co.	33.70 1685	99	6-1-88	Leri Smiths	1.30 65
55	6-1-72	J. F. Yaryan	70 35	100	6-1-88	Charlotte Calhoun	1.40 70
56	6-1-72	J. F. Yaryan	1.40 70	101	6-1-88	E. J. Linder	1.46 73
57	6-1-72	Mary C. Davis	4.40 220	102	6-1-88	Lizzie Everett	1.20 60
58	6-1-72	Edward K. Hart	3.30 165	103	6-1-88	Jessie Wilson	1.40 70
59	6-1-74	T. W. Boone	2.20 110	104	6-1-88	Thomas Andrews	90 45
60	6-1-75	Farmers Cooperative D. Co.	10.00 500	105	7-1-88	Farmers Coop. Ditch Co.	50.00 2500
61	6-1-76	Edward & Mary Clark	2.30 115	106	8-20-88	Nampa Meridian Irrig. D.	370.84 18542
62	6-1-76	John Cecil	.44 22	107	5-1-89	Chas. S. Miller	.06 3
63	6-1-77	Thomas Atkins	5.20 260	108	5-1-89	Lommit L. Hoseney	.02 1
64	6-1-77	W. H. Conway	90 45	109	5-1-89	S. B. J. Utter B. C. Taylor	2.40 120
65	6-1-77	Middleton Water Co.	114.08 5704	110	5-1-89	South Base Mutual Irrig. Co.	6.00 300
66	7-1-77	Perreault Johnson & Wenzel	200.00 10000	111	5-1-89	Subs. of J. H. Gallagher	2.94 147
67	5-1-78	Nampa Meridian Irrig. D.	170.00 8500	112	5-1-89	Fiona H. Fogarty	.05 2
68	6-1-78	John Mammion	4.20 210	113	5-1-89	Grace Coll	.10 5
69	6-1-78	Julia Mammion	3.36 168	114	5-1-89	Samuel H. Confield	.03 1
70	6-1-78	Charles Ellen	8.80 440	115	6-1-89	Samson Taplin	.06 3
71	6-1-78	R. H. Stockton	4.40 220	116	6-1-89	Sonora Taplin	1.20 60
72	6-1-79	New Dry Creek Ditch Co.	31.32 1566	117	9-1-90	Pioneer Irrig. District	200.00 10000
73	6-1-79	D. Mumford	4.00 200	118	6-1-91	W. H. Conway	2.20 110
74	6-1-80	Smith & Stockton	1.76 88	119	6-1-91	Thomas Davis	.54 27
75	6-1-80	Isaac Taplin	2.40 120	120	6-1-91	Middleton Mill Ditch Co.	17.00 850
76	10-20-80	Joseph Goble	.90 45	121	6-1-91	Thomas Andrews	3.50 175
77	10-29-80	Franklin Ditch Co.	27.60 1380	122	6-1-91	Settlers Canal Co.	73.44 3672
78	6-1-82	Allen K. Webster	.90 45	123	6-1-91	Thomas Atkins	.50 25
79	6-1-82	Susie Campbell	.60 30	124	5-1-93	Riverside Irrig. District	50.00 2500
80	6-1-82	J. K. Barber	1.60 80	125	6-1-94	R. H. Stockton	1.76 88
81	6-1-82	Sonora Taplin	3.40 170	126	7-2-94	Farmers Union Ditch Co.	110.00 5500
82	6-1-82	S. W. Hutchinson	.44 22	127	5-1-95	Charles Rein & June Rich	1.00 50
83	6-1-82	Johnson	.44 22	128	7-1-95	Matthew Casey	.66 33
84	6-1-82	Andrew J. Taplin	2.86 143	129	7-1-96	Farmers Coop. Ditch Co.	93.50 4675
85	6-1-82	James L. Graham	2.20 110	130	10-1-99	Riverside Irrig. District	20.00 1000
86	6-1-83	Farmers Cooperative Ditch	20.00 1000	131	3-23-00	New York Canal Co.	219.10 10955
87	6-1-83	Francis M. Taplin	.90 45	132	5-17-00	Canyon Ditch Co.	10.00 500
88	6-1-83	W. A. Black	12.00 600	133	6-1-01	Riverside Irrig. District	70.00 3500
89	11-9-83	Eureka Ditch Co. No. 2	21.70 1085	134	10-25-01	Canyon Ditch Co.	5.54 277
90	6-1-84	Pioneeria District	53.10 2655	135	4-1-04	Pioneer Irrig. District	56.34 2817

* Indicates Rights supplied by return flow to River.

Name of Canal	Source	No	Date	Amount	Decreed	Total
New York	Stewart Decree	131	3-23-1900	219.10	10955	
U.S.A.	Bryan Decree		12-14-1903	1354.58	67729	
" "	"	"	6-16-1909	926.50	46325	
Transfer # 466	Stewart Decree	106	8-20-1888	8.70	445	
Hillcrest Transfer # 466	"	25	8-1-1888	20.34	1017	
	"	26	10-1-1887	1.20	60	2589.4
Reint + Keoh	"	127	5-1-1895	1.00	50	1.00
Nampa + Meridian	"	67	5-1-1878	170.00	8500	
Irrigation District	"	106	8-20-1888	370.84	18542	
Less Transfer # 466	"	106	8-1-1888	8.70	445	53234
Bahler	"		4-1-1865	.80	40	
	"		4-1-1870	.80	40	160
Bubb	"	107	5-1-1889	.06	3	
	"	108	"	.02	1	
	"	109	"	2.20	120	
	"	110	"	2.00	300	
	"	111	"	2.94	147	
	"	112	"	.05	3	
	"	113	"	.10	5	
	"	114	"	.23	12	
Additional Decree	"	115	4-1-1865	1.80	90	
	"	116	"	1.50	75	
	"	117	"	1.00	50	
	"	118	"	.84	42	
Bryan Decree	"	3	4-1-1905	540	270	2114
Meaves	Stewart Decree	33	6-1-1871	1.80	90	1.80
Rossi Mill	"	16	6-1-1865	9.20	460	
and	"	17	6-1-1865	.80	40	
Manville Leonard	"	32	6-1-1866	3.50	175	13.50
Davis	"	94	6-1-1886	13.40	670	13.40
Little Davis	"	119	6-1-1891	.54	27	.54
Settlers	"	92	10-17-1884	99.06	4953	
	"	122	6-1-1864	73.22	3672	
Transfer # 430	"	63	6-1-1864	.25	12.5	
"	"	"	6-1-1864	.14	7	
"	"	"	6-1-1864	.16	8	
"	"	"	6-1-1864	.20	10	
"	"	"	6-1-1877	.20	10	
"	"	"	6-1-1882	.22	11	
"	"	"	6-1-1882	.22	11	
Change in P.O.D.	"	85A	6-1-1882	1.00	50	17549
	"	85B	6-1-1882	.70	35	70
Jacobs	"	1	6-1-1864	3.30	165	
Thurman Mill	"	7	6-1-1864	1.20	60	
	"	10	6-1-1865	.44	22	
	"	11	6-1-1865	14.10	705	
	"	36	6-1-1868	3.70	185	
	"	37	6-1-1869	1.60	80	
	"	42	6-1-1872	.70	35	
	"	55	6-1-1872	1.40	70	
	"	56	6-1-1876	.64	32	
	"	62	6-1-1880	2.40	120	
	"	75	6-1-1880	.30	15	
	"	78	10-20-1882	.90	45	
	"	79	6-1-1882	1.60	80	
	"	81	6-1-1882	2.60	130	
	"	84	6-1-1882	1.30	65	
	"	87	6-1-1883	.90	45	
	"	88	7-1-1885	.40	20	37.16
	"	128	6-1-1882	.40	20	
Less Transfer # 412	"	50	6-1-1866	224	112	224
Panama	"					

STEWART DECREE AND BA

[illegible]

WART DECREE AND BRYAN DECREE GROUPED UNDER CA

[illegible]

UPPED UNDER CANAL HEADINGS.

Canal	No	Date	Amount Sec. Ft.	Decreed, Inches	Total Sec. Ft.	Name of Canal	
Stewart Decree	35	6-1-67	7580	3790		Pioneer Dixie	Stewart
Additional Decrees	35A	"	176	88		PLUS Transfer	36
Stewart Decree	31	6-1-67	100	50		Less	117
"	"	6-1-66	260	130		"	62
"	"	"	39	25			
"	"	"	111	55.5	80.17		
Add. Dec.	29A	1865	6.00	300.	6.00	Eureka No 2	"
"	48	6-1-70	2.60	130		Transfer	47
"	64	6-1-77	90	45		"	82
"	178	6-1-91	220	110	5.70	"	85
"	63	6-1-77	5.20	260	5.20	less	111
"	5	6-1-64	286	143		Upper Cen. Point	"
"	52	6-1-71	786	393	10.72		
"	6	6-1-64	330	165			
"	53	6-1-72	420	210			
"	58	6-1-72	330	165		less Transfer	71
"	"	"	1.04	52	9.96	" Change in P.O.D.	81
Libert	12	6-1-65	440	220	4.40		
"	61	6-1-76	2.30	115		Lower Center Point	"
"	80	6-1-82	1.60	80			
"	82	"	44	22			
"	83	"	44	22			
"	84	"	1.36	68			
"	85	"	2.20	110			
"	85A	"	1.60	80			
P.O.D.	83	"	72	36	9.22	Less Change in P.O.D.	50
"	81	6-1-82	80				
"	115	6-1-89	106		206		
"	116	6-1-89	120				
kers	38	"	1.04	52	1.04	Bowman's Swisher	"
in P.O.D.	39	"				Change in P.O.D.	50
"	90	6-1-84	53.10	2655		less	127
"	112	6-1-90	200.00	10000			
"	133	6-1-94	56.34	2817			
Bryan Decree	4	4-1-08	308.36	15418	670.50	Mammon	"
"	"	"	54.30	2725			
Stewart Decree	13	6-1-65	33.32	1666	33.32	Haas Ditch	"
h Line	34	6-1-66	1540	770		Island High Line	"
"	46	6-1-69	2720	1360		Add Decrees	"
"	77	10-29-80	27.60	1380	80.20		
op Ditch	60	6-1-75	10.00	500		Larsen Baxte Temp.	Add Decree
"	86	6-1-83	20.00	1000		Change in P.O.D.	127
"	105	7-1-88	23.30	1165			
"	129	7-1-90	154.45	7722	317.95	Boone ditch	Stewart Dec.
Bryan Decree	"	4-1-05	"	"			
ch Co	Stewart Decree	132	5-17-00	10.00	500		
"	"	134	12-25-01	6.05	302		
"	"	96	10-1-87	12.10	605		
"	"	9	6-1-65	50	25	2814	Andrews Ditch
"	"	9	6-1-65	13.42	671		
"	"	9	6-1-65	.50	25	12.92	Farma Ditch
"	"	88	6-1-83	12.00	600		
"	"	86	6-1-84	20.00	1000		
"	"	123	5-23-87	4.00	200		
"	"	132	5-1-88	86.00	4000		
"	"	130	10-1-99	20.00	1000		
"	"	133	6-1-01	70.00	3500		
"	"	134	2-15-87	3.68	184		
"	"	135	6-1-90	.72	36		
"	"	136	6-1-90	.70	35		
"	"	137	6-1-90	.40	20		
"	"	138	2-00	1.00	50		
"	"	139	6-1-78	31.22	1561		
"	"	140	4-1-14	17.70	885	294.38	
Bryan Decree	"	"	"	"	"		

Chart 25

Name of Canal	No	Date	Amount Sec. Ft.	Decreed Inches	Total Sec. Feet.
Stewart Decree	8	6-1-64	20.00	1000	
Transfer	45	6-1-69	35.44	1772	
"	46	10-1-87	2.00	100	
"	46	"	4.20	210	
"	"	"	20.34	1017	
"	"	"	1.00	50	40.30
ureka No 2	89	11-8-83	21.70	1085	
Transfer	96	10-1-87	29.50	1475	
"	96	10-1-87	1.00	50	
"	24	6-1-65	1.50	75	
"	96	"	1.20	60	52.30
Upper Cen. Point	23	6-1-65	3.20	160	
"	24	"	2.40	120	
"	25	"	3.34	167	
"	26	"	1.60	80	
Transfer	27	"	1.58	79	
Change in P.O.D. 71	"	"	3.0	150	11.42
Lower Center Point	19	6-1-65	2.88	144	
"	22	"	3.20	160	
"	23	6-1-68	3.20	160	
"	23	6-1-69	3.60	180	
"	23	6-1-79	4.00	200	
"	20	6-1-65	6.40	320	
Change in P.O.D. 50	21	"	2.90	145	
50	20	"	2.88	144	
"	20	"	6.40	320	16.90
Wm. Swisher	19	6-1-65	2.88	144	
Change in P.O.D. 50	20	"	6.40	320	8.48
Mammon	41	6-1-69	1.50	75	
"	42	6-1-78	4.20	210	
"	69	6-1-78	5.36	268	9.36
Laas Ditch	39	6-1-68	8.54	427	
"	70	6-1-68	8.80	440	17.34
Land High Line	71A	4-1-79	3.00	150	
Add Decrees	137A	4-1-10	7.00	350	
"	139	4-1-15	10.00	500	20.00
Change in P.O.D. 127	75A	1880	3.0	150	4.00
Change in P.O.D. 127	127	6-1-65	3.20	160	
Moone Ditch	28	"	7.00	350	
"	29	"	3.50	175	
"	39	"	2.20	110	12.70
Andrews Ditch	4	6-1-64	3.30	165	
"	29	6-1-65	6.00	300	
"	51	6-1-79	1.30	65	
"	104	6-1-88	1.30	65	
"	121	6-1-91	4.50	225	
"	44	6-1-69	8.50	425	23.50
Parma Ditch	71	6-1-78	4.40	220	
"	74	6-1-80	1.76	88	
"	125	6-1-94	1.76	88	
"	77A	6-1-81	1.50	75	
"	77B	6-1-81	2.4	120	
"	77C	6-1-81	3.0	150	
"	77D	6-1-81	1.50	75	11.96
Dannell Ditch	148	5-1-89	1.60	80	
"	148	5-1-89	.80	40	2.40

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

No.	Name	100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	Flow Nec To Fill
1	Thomas Davis (1)	2.20	1.65	1.32		
2	Jacobs Canal Co. * (1)	20.00	20.00	20.00		1152.
3	Middleton Mill Ditch Co. (1)	12.80	9.60	7.68		1154.
4	Thomas Andrews (3)	3.30	2.47	1.98		1154.
5	Catlin & Mace (1)	2.86	2.15	1.71		1155.
6	T. C. Catlin (1)	3.30	2.47	1.98		1155.
7	O. C. Havird (1)	3.30	2.47	1.98		1155.
8	Pioneer Dixie Ditch Co. (2)	20.00	15.00	12.00		
8A	Adolph Bahler (1)	.80	.60	.48		1156.0
8B	First Nat'l. Bank of Pueblo (1)	1.80	1.35	1.08		1156.3
9	Siebenberg (2)	13.42	10.07	8.05		
10	Allen V. Webster (1)	1.20	.90	.72		1156.50
11	J. F. Taryan (1)	.66	.49	.40		1156.60
12	Graham & Gilbert (1)	4.40	3.30	2.64		1157.26
13	Eureka Water Co. (1)	33.32	24.99	19.99		1162.26
14	New Union Ditch Co. (1)	13.76	10.32	8.26		1164.32
15	Boise Valley Irrigation Co. (1)	54.58	40.94	32.75		1172.51
16	Ridenbaugh & Rossi (1)	9.20	6.90	5.52		1173.89
17	Ridenbaugh & Rossi (Power) (1)					
18	Denver & Idaho Land Co. (1)	.80	.60	.48		1174.01
19	Martha Bowman (2)	2.88	2.16	1.73		
20	Bird Bowman (2)	6.40	4.80	3.84		
21	G. W. Gess (2)	2.90	2.18	1.74		
22	Robert McGuire (2)	3.20	2.40	1.92		
23	G. W. Cooper (2)	3.20	2.40	1.92		
24	J. W. Rowland (2)	2.40	1.80	1.44		
25	Draper & Wells (2)	3.94	2.96	2.36		
26	Thomas J. Palmer (2)	1.60	1.20	.96		
27	Noah W. Palmer (2)	1.58	1.19	.95		
28	J. N. Tucker (3)	7.00	5.25	4.20		
29	Thomas Andrews (3)	6.00	4.50	3.60		1174.91
29A	Louise Simonson (1)	6.00	4.50	3.60		1174.99
29B	S. G. Hardies & Amelia Elsiey (1)	.50	.38	.30		
30	J. Perrault & R. Johnson * (1)	50.00	50.00	50.00		1175.38
31	William P. Kennedy (1)	2.60	1.95	1.56		1175.73
31A	Wm. Musser (1)	2.30	1.73	1.38		1175.82
31B	Minnie & Jerry Couzens (1)	.60	.45	.36		1175.99
31C	Albert C. Bowerman (1)	1.10	.83	.66		1176.51
32	Manville & Leonard (1)	3.50	2.63	2.10	22.83	1182.32
33	Boise City Canal Co. (1)	38.06	28.55	22.83	32.07	1184.53
34	Franklin Ditch Co. (1)	15.40	11.55	9.24	77.55	1195.90
35	Canyon County Water Co. (1)	75.80	56.85	45.48	78.61	1196.16
35A	Ralph T. Knight (1)	1.76	1.32	1.06	87.07	1198.28
36	Martha E. McCarthy (1)	14.10	10.58	8.46		

* These rights have been finally adjudicated by the Supreme Court and are not cut below 100%

Chart No. 26

FLOWING DECREE RIGHTS (STEWART DECREE) & FLOW IN SECOND FEET
NECESSARY AT DIVERSION DAM TO FILL SAME

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%
2.20	1.65	1.32			
20.00	20.00	20.00		1152.58	1465.17
12.80	9.60	7.68			
3.30	2.47	1.98		1154.50	1468.27
2.86	2.15	1.71			
3.30	2.47	1.98		1154.93	1469.09
3.30	2.47	1.98		1155.43	1469.92
20.00	15.00	12.00		1155.93	1470.75
.80	.60	.48			1475.75
(1) 1.80	1.35	1.08		1156.05	1475.95
13.42	10.07	8.05		1156.52	1476.40
1.20	.90	.72			1479.76
.66	.49	.40		1156.50	1480.06
4.40	3.30	2.64		1156.60	1480.23
33.32	24.99	19.99		1157.26	1481.32
13.76	10.32	8.26		1162.26	1489.66
(1) 54.58	40.94	32.75		1164.32	1493.10
9.20	6.90	5.52		1172.51	1506.73
(1)				1173.89	1509.05
(1)					
(1) .80	.60	.48		1174.01	1509.25
2.88	2.16	1.73			1509.97
6.40	4.80	3.84			1511.57
2.90	2.18	1.74			1512.30
3.20	2.40	1.92			1513.10
9.20	2.40	1.92			1513.90
2.40	1.80	1.44			1514.50
3.94	2.96	2.36			1515.48
1.60	1.20	.96			1515.88
1.58	1.19	.95			1516.27
7.00	5.25	4.20			
6.00	4.50	3.60		1174.91	1517.77
6.00	4.50	3.60		1174.99	1517.90
key (1) .50	.38	.30			
(1) 50.00	50.00	50.00		1175.38	1518.55
2.60	1.95	1.56		1175.73	1519.13
2.30	1.73	1.38		1175.82	1519.28
(1) .60	.45	.36		1175.99	1519.56
1.10	.83	.66		1176.51	1520.44
3.50	2.63	2.10		1182.22	1529.96
38.06	28.55	22.83	22.83	1184.53	1533.81
15.40	11.55	9.24	32.07	1195.90	1552.76
(1) 75.80	56.85	45.48	77.55	1196.16	1553.20
1.76	1.32	1.06	78.61	1198.28	1556.93
14.10	10.58	8.46	87.07		

Finally adjudicated by the Supreme Court and are not cut below 100%

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

No.	Name	100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	Flow Neces To Fill to
37	H. D. & Dora Goodman (1)	3.70	2.78	2.22		
38	T. T. Johnson (2)	3.20	2.40	1.92	89.29	1198.84
39	Ross, Allen, Dilley, & Ross (3)	8.54	6.41	5.12		
40	S. S. Gray (1)	1.40	1.05	.84	90.13	1199.05
41	John Mannon (3)	1.80	1.35	1.08		
42	Isaac Bedal (1)	1.60	1.20	.96	91.09	1199.29
43	Frederich Ode (2)	3.60	2.70	2.16		
44	Prior Burnett (3)	8.50	6.38	5.10		
45	Pioneer Dixie Ditch Co. (2)	35.44	26.58	21.26		
46	Mason Creek Ditch Co. (1)	37.20	27.90	22.32	113.41	1204.87
47	T. W. Boone (3)	3.50	2.63	2.10		
47A	Adolph Bahler (1)	.80	.60	.48	113.89	1204.99
48	W. J. Hamming (1)	2.60	1.95	1.56	115.45	1205.38
49	Pioneer Canal (1)	25.72	19.29	15.43	130.88	1209.24
50	Barber Lumber Co. (1)	2.24	1.68	1.34	132.22	1209.58
51	Thomas Andrews (3)	1.30	.98	.78		
51A	S. G. Hardies & Amelia Bisley (1)	1.00	.75	.60	132.82	1209.73
52	Catlin & Mace (1)	7.86	5.90	4.72	137.54	1210.91
53	Peter Neeves (1)	1.83	1.35	1.08	138.62	1211.18
54	Midleton Mill Ditch Co. (1)	33.70	25.28	20.22	158.84	1216.24
55	J. F. Yaryan (1)	.70	.53	.42	159.26	1216.35
56	J. F. Yaryan (1)	1.40	1.05	.84	160.10	1216.56
57	Mary C. Davis (1)	4.40	3.30	2.64	162.74	1217.22
58	Edward N. Hart (1)	3.30	2.47	1.98	164.72	1217.72
59	T. W. Boone (3)	2.20	1.65	1.32		
60	Farmer's Coop. Ditch Co. (2)	10.00	7.50	6.00	166.30	1218.07
61	Edward & Mary Clark (1)	2.30	1.73	1.38	166.36	1218.14
62	John Cecil (1)	.44	.33	.26	169.48	1218.92
63	Thomas Aiken (1)	5.20	3.90	3.12	170.02	1219.06
64	W. H. Conway (1)	.90	.68	.54	238.47	1236.17
65	Midleton Water Co. (1)	114.08	85.56	68.45		
66	Perrault & Johnson (Power) (1)	.80	.60	.48	238.95	1236.29
66A	J. S. Kraus (1)	.80	.60	.48	239.43	1236.41
66B	H. E. Plain (1)	1.40	1.05	.84	240.27	1236.62
66C	J. W. Kolander (1)	.80	.60	.48	240.75	1236.74
66D	M. T. Griffith (1)	.80	.60	.48	242.75	1262.24
67	Nampa-Meridian Irrig. Dist. (1)	170.00	127.50	102.00		
68	John Mannon (3)	4.20	3.15	2.52		
69	Julia Mannon (3)	3.36	2.52	2.02		
70	Charles Allen (3)	8.80	6.60	5.28		
71	R. H. Stockton (3)	4.40	3.30	2.64		
71A	Island Highline Ditch Co. (3)	3.00	2.25	1.80	361.54	1266.94
72	New Dry Creek Ditch Co. (1)	31.32	23.49	18.79		
73	D. Mumford (2)	4.00	3.00	2.40		

Chart No. 26-A

OWING DECREED RIGHTS (STEWART DECREE) & FLOW IN SECOND FEET
NECESSARY AT DIVERSION DAM TO FILL SAME

	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%
	3.70	2.78	2.22	89.29	1198.84	1557.66
	3.20	2.40	1.92			1558.46
(3)	8.54	6.41	5.12			
	1.40	1.05	.84	90.13	1199.05	1558.81
	1.80	1.35	1.08			
	1.60	1.20	.96	91.09	1199.29	1559.21
	3.60	2.70	2.16			1560.11
	8.50	6.38	5.10			
	35.44	26.58	21.26			1568.97
	37.20	27.90	22.32	113.41	1204.87	1578.27
	3.50	2.63	2.10			
	.80	.60	.48	113.89	1204.99	1578.47
	2.60	1.95	1.56	115.45	1205.38	1579.12
	25.72	19.29	15.43	130.88	1209.24	1585.55
	2.24	1.68	1.34	132.22	1209.58	1586.11
	1.30	.98	.78			
ley (1)	1.00	.75	.60	132.82	1209.73	1586.36
	7.86	5.90	4.72	137.54	1210.91	1588.33
	1.80	1.35	1.08	138.62	1211.18	1588.78
(1)	33.70	25.28	20.22	158.84	1216.24	1597.21
	.70	.53	.42	159.26	1216.35	1597.39
	1.40	1.05	.84	160.10	1216.56	1597.74
	4.40	3.30	2.64	162.74	1217.22	1598.84
	3.30	2.47	1.98	164.72	1217.72	1599.67
	2.20	1.65	1.32			1602.17
(2)	10.00	7.50	6.00	166.10	1218.07	1602.75
(1)	2.30	1.73	1.38	166.36	1218.14	1602.86
	.44	.33	.26	169.48	1218.92	1604.16
	5.20	3.90	3.12	170.02	1219.06	1604.39
	.90	.68	.54	238.47	1236.17	1622.91
(1)	114.08	85.56	68.45			
(1)	.80	.60	.48	238.95	1236.29	1633.11
	.80	.60	.48	239.43	1236.41	1633.31
	1.40	1.05	.84	240.27	1236.62	1633.66
	.80	.60	.48	240.75	1236.74	1633.86
st. (1)	170.00	127.50	102.00	342.75	1262.24	1676.36
	4.20	3.15	2.52			
	3.36	2.52	2.02			
	8.80	6.60	5.28			
	4.40	3.30	2.64			
(3)	3.00	2.25	1.80	361.54	1266.94	1684.19
(1)	31.52	23.49	18.79			1685.19
	4.00	3.00	2.40			

TABLE SHOWING DECREED RIGHTS (STEWART DECREE) & FLOW IN SECOND FERT
NECESSARY AT DIVERSION DAM TO FILL SAME

No.	Name		100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	To
73A	Goble & Songer	(1)	.54	.41	.32	361.86	
74	Smith Stockton	(3)	1.76	1.32	1.06		
75	Isham Joplin	(1)	2.40	1.80	1.44	363.30	
75A	C. B. Frank	(1)	.816	.61	.49	363.79	
75A	Albert Lemp et al	(3)	3.20	2.40	1.92		
76	Joseph Goble	(1)	.90	.68	.54	364.33	
77	Franklin Ditch Co.	(1)	27.60	20.75	16.56	380.89	
77A	Roc Helms	(2)	3.674	2.76	2.20		
77A	Gus A. Barth	(3)	1.60	1.20	.96		
77B	Charles Jurriss	(3)	.34	.26	.20		
77C	James Finlay	(3)	.80	.60	.48		
77D	Lester J. Shippy	(3)	1.30	.98	.78		
78	Allen V. Webster	(1)	.90	.68	.54	381.43	
79	Susie Campbell	(1)	.60	.45	.36	381.79	
80	J. T. Barber	(1)	1.60	1.20	.96	382.75	
81	Sonora Joplin	(1)	3.40	2.55	2.04	384.79	
82	S. W. Hutchinson	(1)	.44	.33	.26	385.05	
82	Johnson	(1)	.44	.33	.26	385.31	
83	Andrew J. Joplin	(1)	2.86	2.15	1.72	387.03	
84	James L. Graham	(1)	2.20	1.65	1.32	388.35	
85	Leo Marsters	(1)	1.60	1.20	.96	389.31	
85A	Jacob Bingham	(1)	1.00	.75	.60	389.91	
85B	Wm. Huckba	(1)	.203	.15	.12	390.03	
85C	C. H. Schmelzer	(1)	.7506	.56	.45	390.48	
85D	C. W. McClurg	(1)	.35	.26	.21	390.69	
85E	Farmers Coop. Ditch	(2)	20.00	15.00	12.00		
86	Francis M. Joplin	(1)	.90	.68	.54	391.23	
87	W. A. Black	(2)	12.00	9.00	7.20		
88	Eureka Ditch Co. No. 2	(2)	21.70	16.28	13.02	423.09	
89	Pioneer Irrigation Dist.	(1)	53.10	39.83	31.86		
90	Riverside Irrig. Dist.	(2)	20.00	15.00	12.00	482.53	
91	Settlers Canal Co.	(1)	99.06	74.30	59.44	491.66	
92	New Dry Creek Co.	(1)	15.22	11.42	9.13	499.70	
93	Thomas Davis	(1)	13.40	10.05	8.04		
94	Wm. E., L & E. Young	(2)	4.00	3.00	2.40		
95	American Ditch Assoc.	(2)	47.80	35.85	28.68	504.42	
96	New Dry Creek Ditch	(1)	7.86	5.90	4.72	506.82	
97	A. V. Linder	(1)	4.00	3.00	2.40	507.60	
98	Levi Smith	(1)	1.30	.98	.78	508.44	
99	Charlotte Calhoun	(1)	1.40	1.05	.84	509.32	
100	Ed J. Linder	(1)	1.46	1.10	.88	510.84	
101	Lizzie Everett	(1)	1.20	.90	.72	510.88	
102	Jessie Wilson	(1)	1.40	1.05	.84		
103	Thomas Andrews	(3)	.90	.68	.54		
104							

Chart No. 26-B

OWING DECREE RIGHTS (STEWART DECREE) & FLOW IN SECOND FEET
NECESSARY AT DIVERSION DAM TO FILL SAME

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%
.54	.41	.32			
1.76	1.32	1.06	361.86	1267.02	1685.33
2.40	1.80	1.44			
.816	.61	.49	363.30	1267.38	1685.93
3.20	2.40	1.92	363.79	1267.50	1686.13
.90	.68	.54			
27.60	20.75	16.56	364.33	1267.64	1686.36
3.674	2.76	2.20	380.89	1271.78	1693.26
1.60	1.20	.96			1694.18
.34	.26	.20			
.80	.60	.48			
1.30	.98	.78			
.90	.68	.54	381.43	1271.92	1694.41
.60	.45	.36	381.79	1272.01	1694.56
1.60	1.20	.96	382.75	1272.25	1694.96
3.40	2.55	2.04	384.79	1272.76	1695.81
.44	.33	.26	385.05	1272.83	1695.92
.44	.33	.26	385.31	1272.90	1696.03
2.86	2.15	1.72	387.03	1273.32	1696.75
2.20	1.65	1.32	388.35	1273.66	1697.30
1.60	1.20	.96	389.31	1273.90	1697.70
1.00	.75	.60	389.91	1274.05	1697.95
.203	.15	.12	390.03	1274.08	1698.00
.7506	.56	.45	390.48	1274.19	1698.19
.35	.26	.21	390.69	1274.24	1698.28
20.00	15.00	12.00			1702.28
.90	.68	.54	391.23	1274.40	1703.51
12.00	9.00	7.20			1706.51
21.70	16.28	13.02			1711.94
53.10	39.83	31.86	423.09	1282.35	1725.22
20.00	15.00	12.00			1730.22
99.06	74.30	59.44	482.53	1297.21	1754.99
15.22	11.42	9.13	491.66	1299.49	1758.80
13.40	10.05	8.04	499.70	1301.50	1761.15
4.00	3.00	2.40			1763.15
47.80	35.85	28.68			1775.10
7.86	5.90	4.72	504.42	1302.68	1777.07
4.00	3.00	2.40	506.82	1303.28	1778.97
1.30	.98	.78	507.60	1303.48	1778.40
1.40	1.05	.84	508.44	1303.69	1778.75
1.46	1.10	.88	509.32	1303.91	1779.12
1.20	.90	.72	510.04	1304.09	1779.42
1.40	1.05	.84	510.88	1304.30	1779.77
.90	.68	.54			

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

No.	Name	100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	Flow To Fill
105	Farmers Coop. Ditch (2)	50.00	37.50	30.00		
106	Nampa-Meridian Irr. Dist. (1)	370.84	278.13	222.50	733.38	13
107	Charles S. Miller (1)	.06	.05	.04	733.42	13
108	Lemais L. Rowley (1)	.02	.015	.01	733.43	13
109	S. J. Utter, & C. B. Taylor (1)	2.40	1.80	1.44	734.87	13
110	South Boise Matal Irr. Co. (1)	6.00	4.50	3.60	738.47	13
111	Estate of J. H. Gallagher (1)	2.94	2.21	1.76	740.23	136
112	Anne H. Fogarty (1)	.05	.04	.03	740.26	136
113	Grace Call (1)	.10	.08	.06	740.32	136
114	Samuel H. Canfield (1)	.03	.02	.02	740.34	136
114A	Neil & Patrick O'Donnell (3)	1.60	1.20	.96		
114B	Gus A. Barth (3)	.80	.60	.48		
115	Sonora Joplin (1)	.06	.05	.04	740.38	136
116	Sonora Joplin (1)	1.20	.90	.72	741.10	136
116A	S. G. Hardies & Amelia Elsley (1)	.94	.69	.50	741.60	136
116A	Anna Spencer (2)	.72	.54	.43		
116B	Willis Spencer (2)	.10	.08	.06		
116C	Rebecca Bell (2)	.40	.30	.24		
117	Pioneer Irr. Dist. (1)	200.00	150.00	120.00	861.60	1391.
118	W. H. Conway (1)	2.20	1.65	1.32	862.92	1392.
119	Thomas Davis (1)	.54	.41	.32	863.24	1392.
120	Middleton Mill Ditch (1)	17.00	12.75	10.20	873.44	1394.
121	Thomas Andrews (3)	3.50	2.63	2.10		
122	Settlers Canal Co. (1)	73.44	55.08	44.06	917.50	1405.
123	Thomas Aiken (1)	.80	.60	.48	917.98	1406.
124	Riverside Irr. Dist. (2)	80.00	60.00	48.00		
124A	W. D. Charters (1)	1.00	.75	.60	918.58	1406.
125	R. A. Stockton (3)	1.76	1.32	1.06		
126	Farmers Union Ditch (1)	110.00	82.50	66.00	984.58	1422.
127	Charles Rein & James Keogh (1)	1.00	.75	.60	985.18	1422.
128	Mathew Casey (1)	.66	.50	.40	985.58	1422.
128	Mathew Casey (2)	83.50	62.63	50.10		
129	Farmers Coop. Ditch (2)	20.00	15.00	12.00		
130	Riverside Irr. Dist. (1)	219.10	164.33	131.46	1117.04	1455.
131	New York Canal Co. (2)	10.00	7.50	6.00		
132	Canyon Ditch Co. (2)	70.00	52.50	42.00		
133	Riverside Irr. Dist. (2)	5.54	4.16	3.32		
134	Canyon Ditch Co. (1)	56.34	42.26	33.80	1150.84	1464.
135	Pioneer Irr. Dist. (1)	.356	.27	.21	1151.05	1464.
136	H. E. Wimer (1)	1.60	1.20	.96	1152.01	1464.
137	B. P. Weaverling (1)	7.00	5.25	4.20		
137A	Island Highline Ditch Co. (3)	.40	.30	.24	1152.25	1464.
138	Wesley A. Mace (1)	10.00	7.50	6.00		
139	Island Highline Ditch Co. (3)					

(1) equals Section I; (2) equals Section II; (3) equals Section III.
(see notes in front of report for further explanations)

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

	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%
h)2)	50.00	37.50	30.00			1792.27
. Dist. (1)	370.84	278.13	222.50	733.38	1359.93	1884.98
(1)	.06	.05	.04	733.42	1359.93	1885.00
(1)	.02	.015	.01	733.43	1359.93	1885.00
B. Taylor (1)	2.40	1.80	1.44	734.87	1360.29	1885.60
Irr. Co. (1)	6.00	4.50	3.60	738.47	1361.19	1887.10
llagher (1)	2.94	2.21	1.76	740.23	1361.63	1887.84
(1)	.05	.04	.03	740.26	1361.63	1887.85
(1)	.10	.06	.06	740.32	1361.64	1887.88
(1)	.03	.02	.02	740.34	1361.64	1887.88
Donnell (3)	1.60	1.20	.96			
(2)	.80	.60	.48			
(1)	.06	.05	.04	740.38	1361.64	1887.90
(1)	1.20	.90	.72	741.10	1361.82	1888.20
elia Hsley (1)	.94	.69	.50	741.60	1361.95	1888.41
(2)	.72	.54	.43			1888.59
(2)	.10	.08	.06			1888.62
(2)	.40	.30	.24			1888.72
(1)	200.00	150.00	120.00	861.60	1391.97	1938.72
(1)	2.20	1.65	1.32	862.92	1392.28	1939.27
(1)	.54	.41	.32	863.24	1392.36	1939.41
(1)				873.44	1394.91	1942.66
teh (1)	17.00	12.75	10.20			
(3)	3.50	2.63	2.10			
(1)	73.44	55.08	44.06	917.50	1405.93	1962.02
(1)	.80	.60	.48	917.98	1406.05	1962.22
(2)	80.00	60.00	48.00			1932.22
(1)	1.00	.75	.60	918.58	1406.30	1932.47
(3)	1.76	1.32	1.06			
(1)	110.00	82.50	66.00	984.58	1422.70	2009.97
ch	1.00	.75	.60	985.18	1422.85	2010.22
mas Keogh (1)	.66	.50	.40	985.58	1422.95	2010.39
(1)	83.50	62.63	50.10			2031.27
(2)	20.00	15.00	12.00			2036.27
st. (2)	219.10	164.33	131.46	1117.04	1455.82	2091.05
(1)	10.00	7.50	6.00			2091.55
(2)	70.00	52.50	42.00			2111.05
(2)	5.54	4.16	3.32	1150.84	1464.27	2126.53
(1)	56.34	42.26	33.80	1151.05	1464.32	2126.62
(1)	.256	.27	.21	1152.01	1464.56	2127.02
(1)	1.60	1.20	.96			
Ditch Co. (3)	7.00	5.25	4.20	1152.25	1464.62	2127.12
(1)	.40	.30	.24			
Ditch Co. (3)	10.00	7.50	6.00			

on I; (2) equals Section II; (3) equals Section III.
 notes in front of report for further explanations)

TABLE SHOWING DECREED RIGHTS (BRYAN DECREE) & NATURAL FLOW IN
SECOND FEET 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 Ne To Fill
7/2/94	Farmers Union	54.46	40.85	32.68	2159.80	392
3/23/00	New York Irrigation Dist.) Boise Kuna Irrig. Dist.)	58.86	44.15	35.32	2195.12	393
12/14/03	United States of America	1354.58	1015.94	812.75	3007.87	413
4/1/05	Pioneer Irrigation Dist.	306.56	229.92	183.94	3191.81	418
4/1/05	Farmers Cooperative Ditch Co.	154.45	115.84	92.67	3284.48	420
4/1/05	South Boise Mutual Ditch Co.	5.40	4.05	3.24	3287.72	420
4/1/08	Pioneer Irrigation Dist.	54.50	40.88	32.70	3320.42	421
6/1/09	United States of America	926.50	694.88	555.90	3876.32	435
4/1/10	Riverside Irrigation Dist.	63.78	47.84	38.27	3914.59	436
*1/13/11	United States of America (Arrowrock Storage)	8000.00				
4/1/14	Riverside Irrigation District	17.70				

*For further information see text of this report, under heading, "Decree".

Chart No. 26-D

SHOWING DECREED RIGHTS (BRYAN DECREE) & NATURAL FLOW IN
SECOND FEET NECESSARY AT DIVERSION DAM TO FILL SAME

	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%
	54.46	40.85	32.68	2159.80	3922.75	4375.08
	58.86	44.15	35.32	2195.12	3931.58	4389.80
	1354.58	1015.94	812.75	3007.87	4134.77	4728.45
	306.56	229.92	183.94	3191.81	4180.75	4805.09
n Co.	154.45	115.84	92.67	3284.48	4203.92	4843.70
Co.	5.40	4.05	3.24	3287.72	4204.73	4845.05
	54.50	40.88	32.70	3320.42	4212.91	4858.68
	926.50	694.88	555.90	3876.32	4351.89	5090.21
t.	63.78	47.84	38.27	3914.59	4361.46	5106.26
	8000.00					13106.26
trict	17.70					13123.96

see text of this report, under heading, "Decree".



