

**WATER DISTRIBUTION OF BOISE RIVER
DISTRICT NO. 12-A
1947**

REPORT ON

CANAL DELIVERIES FROM

BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1947

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

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

BY

WM. E. WELSH

WATERMASTER, BOISE RIVER

C H A R T S

1947

1. Map of Boise River, showing canal diversions.
2. 2-A, 2-B, 2-C, 2-D, 2-E, 2-F, 2-G, 2-H, 2-I, 2-J and 2-K are tables showing natural flow of Boise River by days for the period from 1895 to 1940 inclusive. 2-L, 2-M, 2-N and 2-O show the same information for the period from 1941 to 1947 inclusive.
3. Table showing mean daily flow of Boise River for a 41-Year period.
4. Table showing monthly and annual flow of Boise River in acre-feet for the irrigation years from 1894-95 to 1946-47 inclusive.
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 1947.
6. Summary table in acre-feet showing monthly and total canal diversions for the irrigation season of 1947.
7. 7-A, summary table showing total annual diversions for all Boise Valley canals beginning 1915.
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 1947.
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 1947.
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 1947.
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 1947.
12. Table showing acreage under all canals in the Boise Valley.
13. Table for Boise Valley canals showing acre-feet diverted, acres irrigated, and acre-feet per acre diverted, for the season of 1947.
14. Table showing acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1934.

C H A R T S

(Continued)

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 for the years 1916 to 1944 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 1947.
18. Two tables showing total discharge of all drainage canals in Drainage Districts Nos. 3 and 4 for the irrigation season of 1947.
19. Summary table of return flow to Boise River between the Government Diversion Dam and Notus beginning 1914.
20. 20-A and 20-B, revised area and capacity table for Arrowrock Reservoir.
21. Table showing Intervenor Decrees on Boise River (Intervenors in the Stewart Decree), giving priority number, date and amount decreed.
22. Table showing changes in point of diversion of decreed rights on Boise River.
23. 23-A, tables showing transfers of decreed rights on Boise River.
24. Condensed table of Stewart Decree showing dates of priority and amounts decreed.
25. 25-A, 25-B, 25-C, 25-D, 25-E, 25-F, 25-G, 25-H and 25-I are tables showing the Stewart, Intervenor's and Bryan Decrees grouped under canal headings.
26. 26-A, 26-B and 26-C are tables in second feet showing decreed rights (Stewart Decree) and natural flow at Diversion Dam necessary to fill same. 26-D is a table in second feet showing decreed rights (Bryan Decree) and natural flow in second feet necessary at Diversion Dam to fill same.

ORGANIZATION

The Boise River Organization for 1947 was the same that it has been for several years past. It includes a Chairman and Secretary, a Water-master, one Assistant for a few months during the summer, and a part-time Stenographer.

The Advisory Committee, made up of nine members including the Chairman and Secretary of the Water Users, was again elected at the annual meeting in March. In addition to the annual meeting held in the forenoon preceding the annual meeting on the first Monday in March, at which time a tentative budget is prepared for submission to the general meeting, other meetings are held during the year at the call of the Chairman to consider various matters affecting the water users.

The Advisory Committee for 1947 was as follows:

Ed Straus, Chairman
I. A. Weaver, Secretary
Ernest Anderson
J. C. Bell
T. M. DeCoursey
John Demond
W. T. Evans
H. V. Rice
Piercie Trunnell

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

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

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

DECREEES

Stewart Decree:

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

"The various rights, as adjudicated in the so-called 'Stewart Decree', shall receive 100 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."

Bryan Decree:

In the SEVENTH JUDICIAL DISTRICT of the State of Idaho, Judge Ed. L. Bryan signed a decree on February 14, 1929, in the case of PIONEER IRRIGATION DISTRICT vs. AMERICAN DITCH ASSOCIATION, et al, commonly referred to as the "Flood Water Suit", or "Bryan Decree". All rights decreed in this case are made subsequent to the Stewart Decree. This case was appealed to the Supreme Court where it was upheld as to some of the rights involved but remanded to the District Court for retrial on the question of the duty of water and also for the purpose of determining certain other rights.

On January 30, 1932, Judge A. O. Sutton signed an order temporarily establishing the various rights in the Flood Water Suit and providing for a duty of water similar to the "Sliding scale" in the Stewart Decree. On June 23, 1933, Judge Chas. E. Winstead of the THIRD JUDICIAL DISTRICT, sitting as Judge in the SEVENTH JUDICIAL DISTRICT for the State of Idaho, signed a continuing order making the order of Judge Sutton for 1932 effective for 1933 and continuing. This order has remained in effect since that time.

Charts 26, 26-A, 26-B and 26-C relate to the Stewart Decree and show the following information: Number of priority, name to whom decree was issued, amount of decree in second feet, showing 100 per cent, 75 per cent and 60 per cent, and section of river in which point of diversion is located. It also shows the amount of natural flow necessary at Diversion Dam to fill the various rights in the Stewart Decree, including intervenors, to 60 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 Sections 2 and 3 of the river would fill the rights with points of diversion 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 user 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 RUN-OFF AND AVAILABLE WATER SUPPLY

The total run-off for the year was 1,904,668 acre feet, or approximately one-half million acre feet more than is required for the successful irrigation of the entire Boise Valley. The highest flow of the year occurred on May 9th, with a record flow of 13,836 second feet. The lowest flow recorded was August 29th, with 510 second feet. Regulation of the river was begun and all canals cut to their respective decrees on June 22nd and continued throughout the remainder of the season.

As usual during the past six or eight years, the demand for irrigation water during the late summer months was unusually heavy. As previously stated, this is due not only to the large number of dairy cattle, but especially the growing of row crops, all of which require late water.

Charts 2 to 2-K inclusive show the natural daily flow of the Boise River from 1895 to 1940 inclusive. Charts 2-L to 2-O inclusive show the daily natural flow of the Boise River from 1941 to 1947 inclusive.

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 1894-95.

CANAL REGULATIONS

It was necessary to begin canal regulations about June 22nd.

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

Chart 6 shows the monthly and total diversions for the Boise River for the irrigation season of 1947.

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 to 1938 inclusive. Chart 7-A shows the same information from 1939 to date.

TRIBUTARY GAIN

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

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

NET GAIN

Chart 9 shows the total flow of the Boise River passing Diversion Dam, canal deliveries, and gain to the river by months in acre feet, and also average daily flow for each month during the season of 1947.

RIVER FLUCTUATION

Fluctuations caused by so many factors beyond the control of the Watermaster always have been and always will be a menacing problem from the standpoint of maintaining a steady flow of water at the lower end of the Boise River.

CLASSIFICATION OF RIVER

The Boise River naturally divides itself into three separate and distinct parts. Section I includes the part of the river which lies between the Government Diversion Dam and the Caldwell High Line Canal about a mile below the town of Star. Section II includes that section which lies between the Caldwell High Line Canal and the Notus Bridge. Section III includes that part of the river between the Notus Bridge and the Snake River.

SECTION I

Chart 10 shows the condition that existed in this section during the period July 1st to September 30th inclusive. The average net gain in this section during this period was 321 second feet.

SECTION II

Chart 11 is a table showing the condition that existed in this section during the period July 1st to September 30th inclusive. The average return flow during this period to this section was 569 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 fact, during all of the years of record on the distribution of the waters of Boise River, beginning with 1914, there has been only one year--1931--during which it was necessary to regulate diversions from this section of the river, and during that year it was not necessary to run water past the Notus Bridge to supply rights below.

DUTY OF WATER

The following statement, a repetition from previous reports, is again included in this report, for the reason that it still represents the views of the writer on the subject of "Duty of Water".

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

"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. The crops grown in the valley change from year to year, depending upon the market and the demand. 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.

"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."

Following is a quotation from "REPORT ON CONSUMPTIVE USE--NET DUTY OF WATER--As Related to the Proper Adjudication of Water Rights on the Boise River", by W. G. Steward. Mr. Steward was formerly employed by the United States Reclamation Service in charge of Hydrographic work on the Boise River, and also for several years he was an instructor at the University of Idaho on the same subject. He had made a very comprehensive study of the duty of water, especially on the Boise River, and was well qualified on that subject. For these reasons the following quotations are submitted with the endorsement of the writer:

1. "That a duty of water, if established, should be subject to change when conditions warrant. Conditions are continually changing. Our knowledge and methods of irrigation are improving. An arbitrary duty that would meet all requirements today might prove entirely inadequate fifty

years from now. Posterity should not be handicapped by our present day limitations.

2. "A duty, if established now, should be construed to mean a head-gate duty, or duty at the point of diversion.

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

4. "That an exception to the above 'sliding scale' should be made in the case of porous-gravel, river bottom lands, lying adjacent to and under the upper section of the river, as per the Stewart Decree, to the extent that these lands should be allowed to divert such amount of water as their crops require and at such times as it is needed, said diversions not to exceed 1.10 miner's inches per acre. This, because no matter how much is diverted, all but a very small amount almost immediately returns to the river flow. To do this a system of rotation among themselves should be required.

5. "That said lands entitled to above exceptions should be determined before a decree is entered or stipulation is signed."

The court order providing for the "Sliding Scale cuts", under which the Boise River has been operated for about thirty years, has proven very satisfactory when the entire valley is taken into consideration. This court order is given in full on Page 2 of this report.

Chart 6 shows the amount in acre feet diverted each month and the total amount diverted for the season by the canals of the Boise Valley.

Chart 13 is a table showing the total amount diverted, the acres irri-

gated and the acre feet per acre diverted from the river by the various canals of the Boise Valley. The amount shown under the column "Acre Feet Per Acre" cannot be construed as a duty of water for the lands of the Boise Valley, due to the large and varying quantities of return flow water picked up by many of these canals.

Chart 14 is a table showing acre feet per acre diverted by Boise Valley canals for each irrigation season beginning 1934. A similar record showing the acre feet per acre diverted for 18 principal canals in the Boise Valley, beginning 1916, may be found in previous annual reports.

Chart 15 is a 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 for the years 1916 to 1944 inclusive; also the per cent diverted during each 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 1947 and a summary for the same diversions since the completion of these drains in 1922. This drainage district embraces an area of 29,000 acres situated on the north side of Boise River between the City of Boise and the canyon near Caldwell.

Chart 18 is a table showing the discharge of all drains in both Drainage Districts Nos. 3 and 4. Drainage District No. 3, frequently referred to as the "South Boise Drainage District", is situated in South Boise. This district, comprising an area of 4,200 acres, has four drainage canals, all outlets emptying into the Boise River. Drainage District No. 4, frequently referred to as the "Thurman Drain", comprises an area of approxi-

ately 2,500 acres and is situated south of the Boise River and opposite the town of Eagle. This district has only one outlet to the Boise River.

Chart 19 is a table showing the average return flow to the Boise River for the period beginning 1914.

ARROWROCK CAPACITY

Charts Nos. 20, 20-A and 20-B show the W. G. Steward capacity table for Arrowrock Reservoir, as revised by W. H. Tuller, former Project Manager, Boise Project.

INTERVENORS

Chart No. 21 is a table showing the decrees obtained by intervenors in the case of Farmers Cooperative Ditch Company, Plaintiff, vs. Riverside Irrigation District, Ltd., et al, Defendants.

CHANGES IN POINT OF DIVERSION

Chart No. 22 is a table showing the change in the point of diversion of decreed rights on the Boise River as recorded in the office of the State Reclamation Engineer.

TRANSFERS

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

STEWART DECREE

Chart 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, 26-B and 26-C are tables showing decreed rights contained in the Stewart Decree and the natural flow at the Diversion Dam necessary to fill the same.

STEWART AND BRYAN DECREES GROUPED BY CANAL HEADINGS

These tables, Charts Nos. 25-A to 25-I inclusive, have been compiled

for the benefit of those canal companies which have more than one date of priority. These tables also include the transfers and changes in point of diversion. They show the date and amount of each priority and the total amount decreed.

BRYAN DECREE

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

WATERSHED

The question of watershed protection will always be of paramount importance to the water users of Boise Valley. It is regrettable, however, that on matters of this kind the people of the valley generally are too much inclined to take the attitude of "Let George do it". The preservation and protection of this great natural resource, not only for the benefit of present day water users but for generations yet to come, should have the constant attention and consideration of all concerned. It is the opinion of this writer that this resource, which is of such importance to the entire populace of the Boise Valley, should remain under federal control.

SUPPLEMENTAL WATER

Anderson Ranch Dam and Reservoir, now nearing completion, will practically eliminate water shortages for the present irrigated area of the Boise Valley for all time to come. This statement is based upon personal knowledge of the conditions in the Boise Valley over a period of more than a quarter of a century, together with a river flow record dating back to 1895 and a precipitation record for the town of Boise dating back to 1864. There was approximately 140,000 acre feet of water stored in Anderson Ranch Reservoir and made available for the irrigation season in 1947. In spite

of the fact that the river flow reached a very low point during the summer months, this additional storage eliminated all possibility of a water shortage.

FLOOD CONTROL

Since the 1943 flood a great deal of progress has been made towards repairing and restoring levees and revetments along the Boise River. A total of approximately \$600,000.00 has been expended for this purpose.

The proposed Lucky Peak Dam, which was authorized by the Congress a little over a year ago, will go a long way towards eliminating the flood hazards on the Boise River. Considerable progress has been made towards advanced planning on this project, and it is hoped that by another season initial appropriations for the beginning of construction will be made available by the Congress. This proposed dam, which will be situated on the main stem of the Boise River approximately 11 miles above the city of Boise, will store a gross of 306,000 acre feet and a net of 280,000 acre feet.

COST REPORT - 1947

Watermaster Salary	\$3,601.60
Assistant Watermaster Salary	783.93
Car Mileage	1,009.10
Miscellaneous	749.90
Telephone	91.40
Gage Readings	20.00
Stenographic Services	1,096.66
Insurance	72.50
Withholding Tax	<u>567.86</u>
Sub-Total	\$7,982.95

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

Gage Readers, Dowling	\$ 180.00
More's Creek	160.00
Telephone Service to Upper River	270.00
Assistance in Current Meter Work	235.00
Office Work, compiling records of natural flow, etc.	225.00
Total value of services as fixed by Committee	<u>1,070.00</u>
TOTAL COSTS TO WATER DISTRICT 12-A FOR THE IRRIGATION SEASON OF 1947	<u>\$9,052.95</u>

CONCLUSIONS

1. That the records and data as compiled in the Watermaster's report for the past thirty years should be continued.
2. That the river naturally divides itself into three sections during the low water period.
3. That the river can be completely dried up at the lower end of Section I without injury to the rights in Section II during the low water period of each irrigation year.
4. That the return flow is a vital factor and must be considered in the operation of the river.
5. That the transfer of water rights from Section II to Section I is injurious to the rights already existing in Section I and should not be permitted.
6. That the construction of drainage systems in the Boise Valley has changed the irrigation requirements within these districts.
7. That by reason of the construction of these drainage canals certain waters which were formerly lost through seepage, evaporation and deep percolation, or reached the river during the winter months, are probably now reaching the river during the irrigation season and made available for irrigation purposes.
8. That the question of protection of the Boise River watershed should have the constant attention and consideration of the people of this area.
9. That a reasonable program of research work should be continued by the U. S. Forest Service on the Boise River watershed for the purpose of determining to what extent the resources of the watershed may be utilized without being injurious to the inherent rights of the water users who are dependent upon this resource for a livelihood.

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

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

12. That the "Court Orders" under which the Boise River has been operated for approximately 30 years have proven very satisfactory to the Boise Valley as a whole.

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

14. That Anderson Ranch Dam and Reservoir, when completed, will practically eliminate water shortages in the Boise Valley.

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

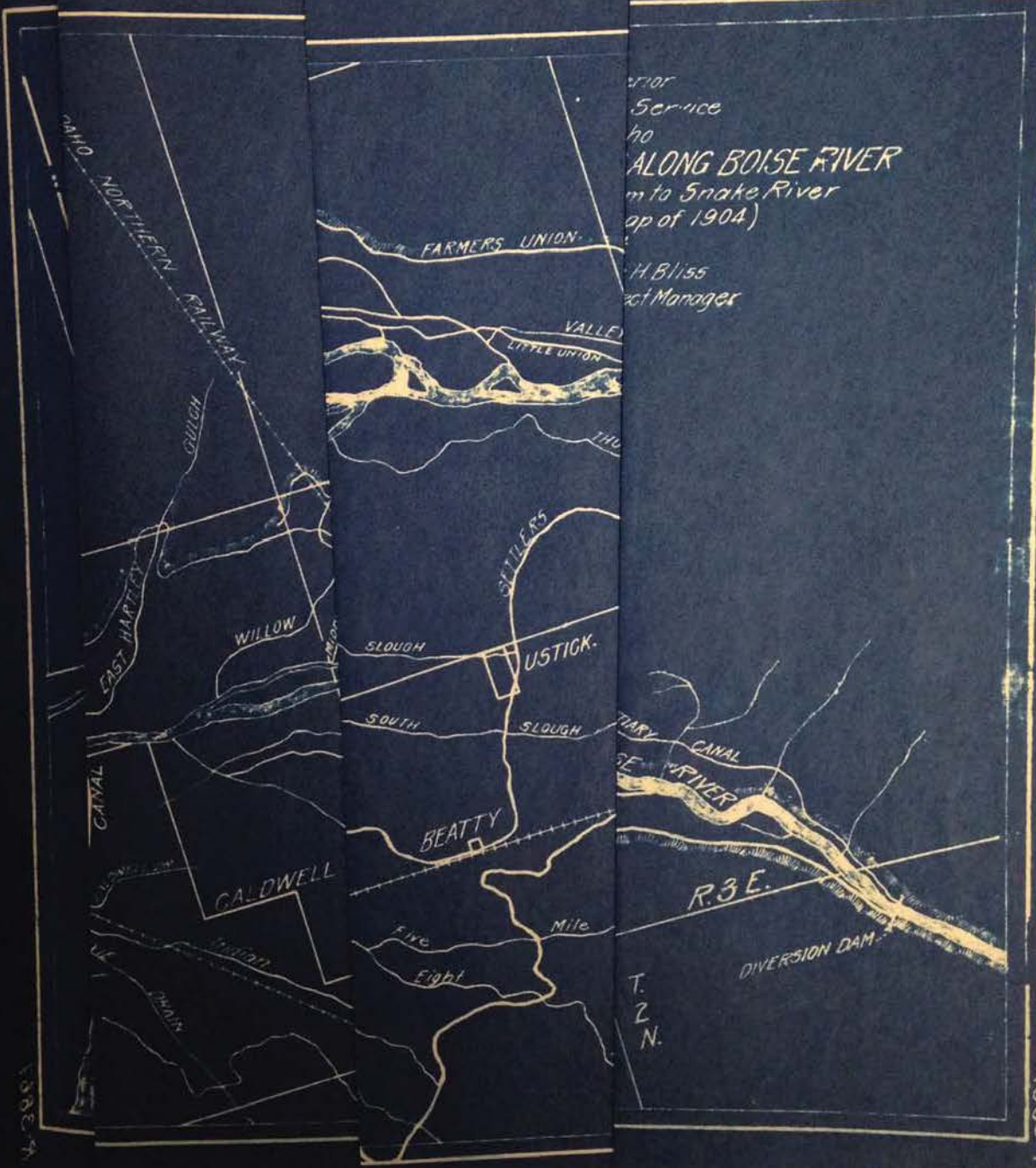
16. That the constant threat of floods is a serious menace to the low lands of the Boise Valley.

17. That Lucky Peak Dam and Reservoir, as authorized by the Congress, will go a long way towards solving the flood problems of the Boise Valley.

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ALONG BOISE RIVER
to Snake River
(up of 1904)
H Bliss
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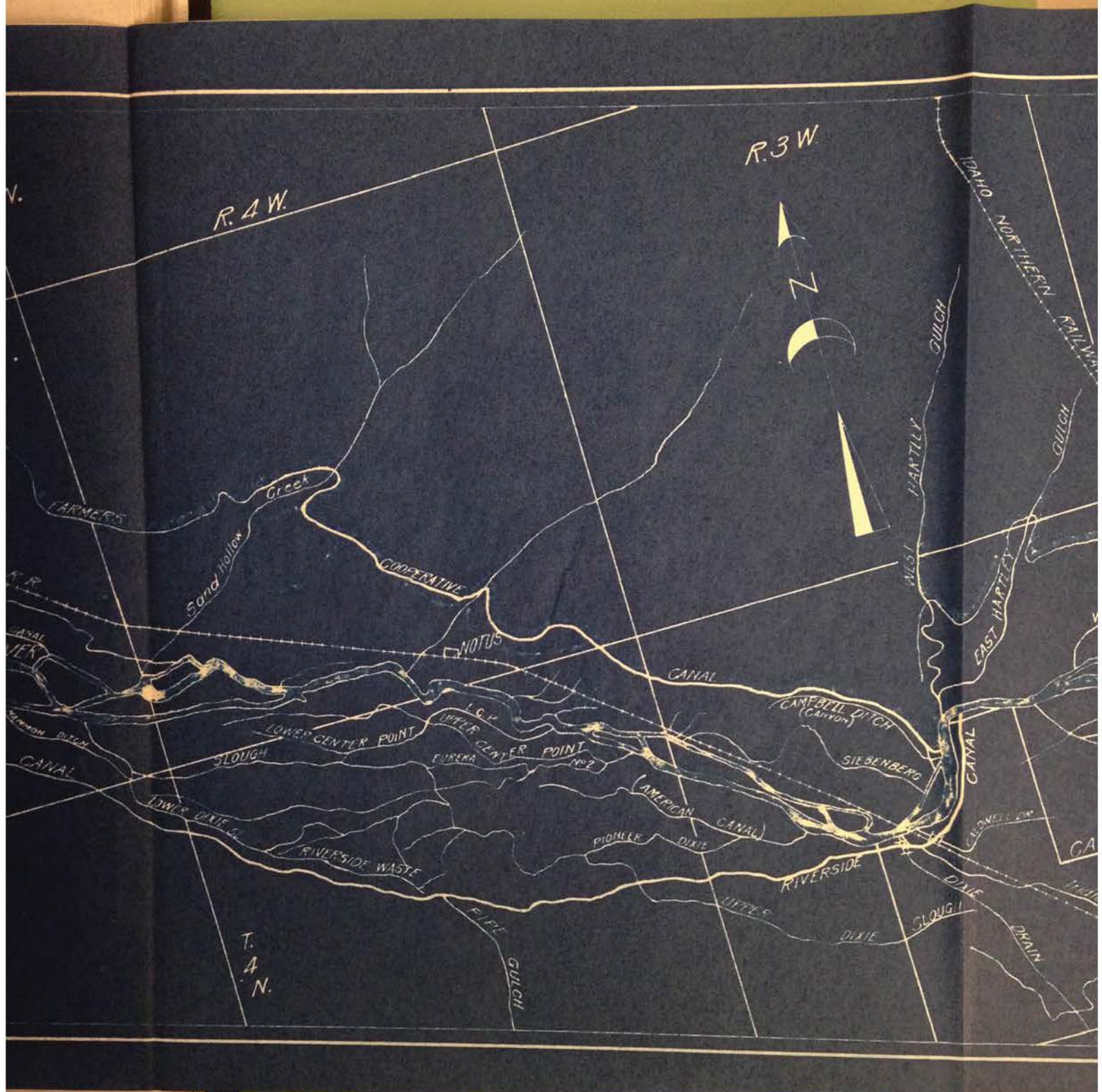
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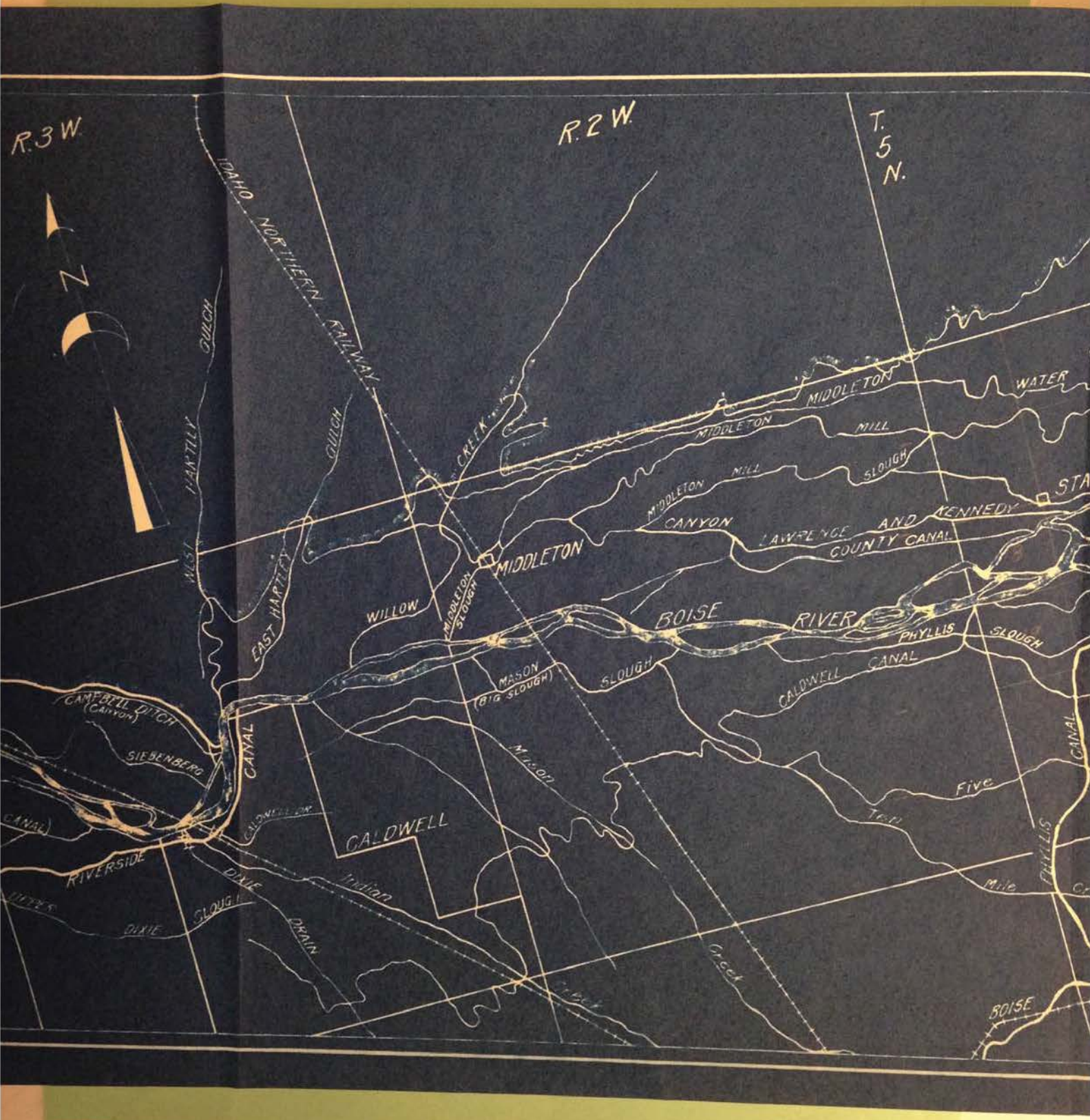
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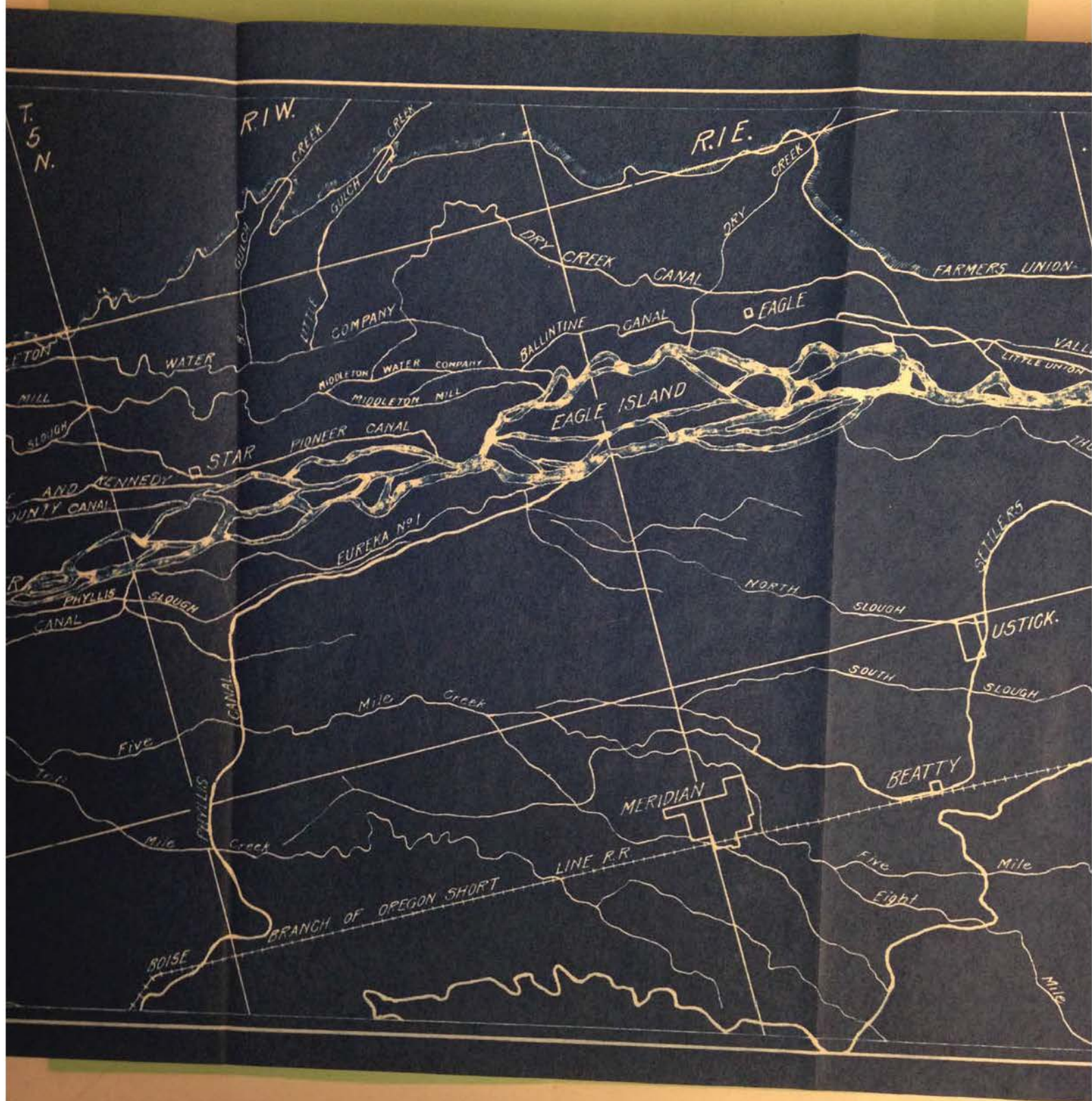


R.3 W

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T.5 N.





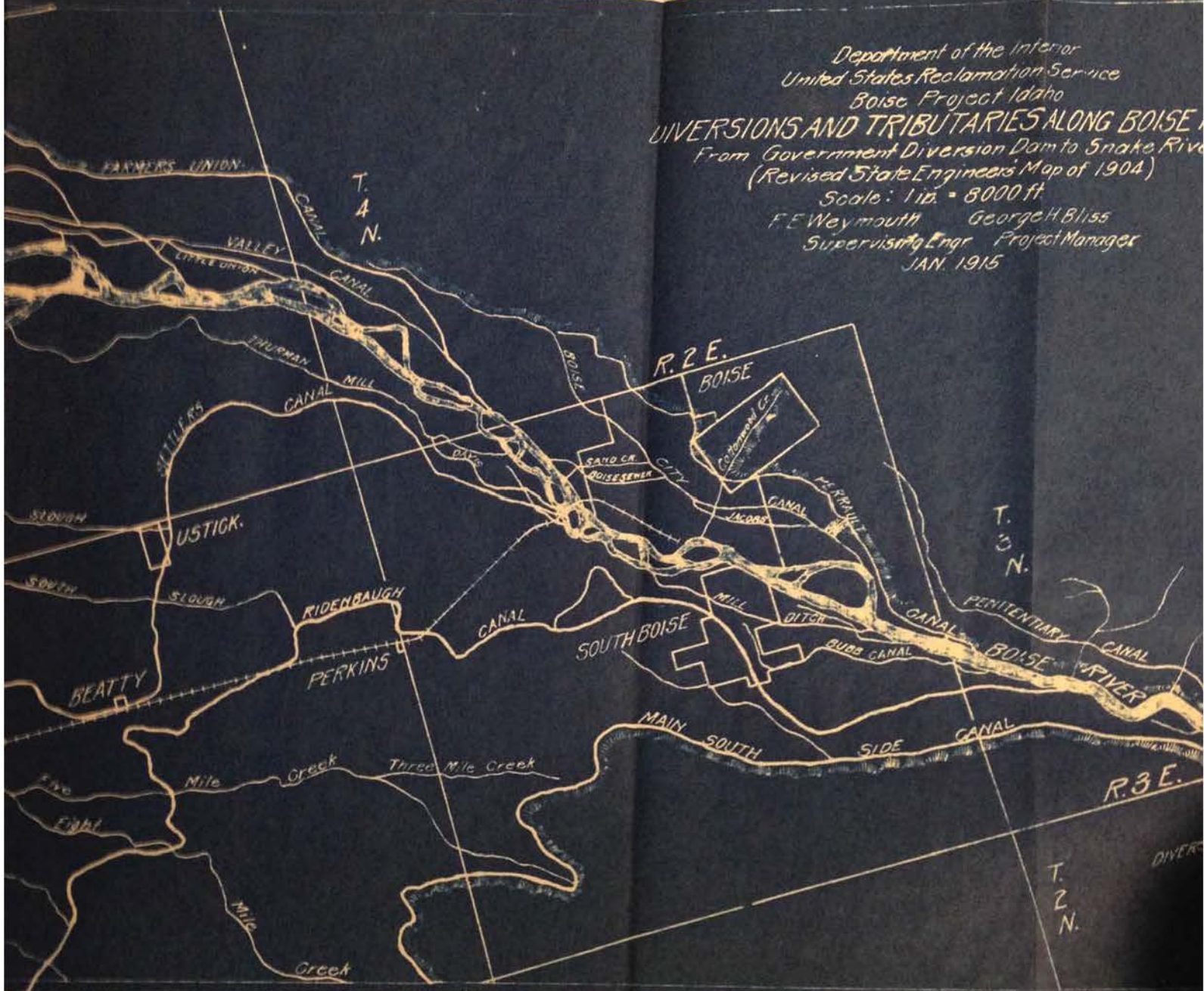
Department of the Interior
United States Reclamation Service
Boise Project Idaho

DIVERSIONS AND TRIBUTARIES ALONG BOISE

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 Engineers Map of 1904)
Scale: 1 in. = 8000 ft.
F.E. Weymouth George H. Bliss
Supervising Engr. Project Manager
JAN. 1915



Year	1	2	3	4	5	6	7	8	9	10	11	12
1895	1470	1410	1280	1320	1330	1240	1180	980	1100	1240	1280	1330
1896	950	1070	720	720	720	720	720	950	950	950	950	1070
1897	1070	1010	1010	950	950	890	890	950	950	1010	890	830
1898			550			550				550		
1899	2580	2580	2580	2580	2580	2780	2780	2780	2780	2780	2780	2780
1900	1570	1680	1680	1570	1680	1680	1680	1570	1360	1360	1570	1910
1901	1200	1200	1350	1310	1370	1510	1390	1350	1350	1350	1270	1270
1902	1120	1270	1190	1140	1080	1120	1120	1140	1120	1040	900	865
1903	1280	1070	945	1040	945	945	945	945	945	945	1080	752
1904												
1905												
1906	700	700	675	700	750	880	750	750	750	810	880	880
1907												
1908	1180	1100	1100	1070	1040	965	900	965	1140	1070	1040	1140
1909	790	980	1100	1220	1220	1140	1140	1140	1310	1140	1060	1020
1910												
1911	870	750	940	1105	1035	1035	1070	1140	1140	1140	1070	1000
1912	990	940	1020	1020	1020	1260	1230	1160	1230	1230	1230	1100
1913												
1914	1080	1150	1220	1220	1220	1220	1220	1220	1080	950	824	824
1915	930	1050	1050	1050	1050	990	990	930	990	930	990	930
1916	715	736	763	760	746	744	740	763	766	763	736	754
1917	679	891	1006	991	936	984	1253	888	715	811	740	769
1918	5248	4046	3033	2462	2244	2153	2078	1964	1826	1738	1428	1419
1919	5569	605	555	535	620	680	740	659	669	674	684	727
1920	883	865	815	737	728	696	784	787	797	698	674	657
1921	2600	2129	3154	2307	2458	2330	2279	1751	1540	1545	1393	1217
1922	972	1280	1255	1111	921	1046	990	1178	1092	983	905	694
1923	1078	765	869	855	944	1028	1426	1538	1390	1317	1210	1155
1924	764	675	659	789	609	484	600	824	945	1248	949	899
1925	923	783	724	782	772	794	837	867	667	714	715	629
1926	604	574	823	866	850	889	940	830	756	688	802	772
1927	1026	1079	1033	1317	1062	1115	1193	1121	941	762	704	1179
1928	791	1142	1433	1510	1566	1590	1368	1230	991	1425	1419	1298
1929	739	620	945	917	692	567	560	721	690	726	811	793
1930	538	842	835	777	762	830	742	440	446	731	771	805
1931	599	872	737	745	797	713	807	686	637	623	750	810
1932	567	678	656	697	617	622	689	687	683	707	734	731
1933	732	661	708	663	697	678	665	744	790	771	690	652
1934	1326	1219	1372	1537	1498	1238	1104	773	834	977	908	1020
1935	984	623	583	660	969	1010	1040	1018	954	966	807	944
1936	702	741	866	831	928	706	657	848	766	835	797	993
1937	345	483	532	584	619	717	699	459	398	483	563	613
1938	875	975	1135	945	734	735	735	734	904	904	989	999
1939	1221	925	1026	1014	1304	1021	812	686	481	822	794	691
1940	950	1031	1446	1447	1220	1014	864	660	872	1004	1128	849

TABLE, IN SECOND FEET, SHOWING DAILY FLOW OF BOISE RIVER - JANUARY

11	12	13	14	15	16	17	18	19	20	21	22
1280	1330	1510	1650	1490	1450	1430	1370	1330	1280	1240	1220
980	1070	950	720	720	520	1010	1280	1350	1430	1870	1870
890	830	720	620	620	620	570	570	570	720	830	830
		550				550			550		
2780	2780	2780	2780	2980	2980	2980	2980	2980	2980	2980	2980
1570	1910	1910	2480	4120	3910	3520	2810	2330	2260	2180	2040
1270	1270	1270	1350	1430	1270	1270	1200	1200	1270	1310	1350
900	865	830	900	900	1000	1080	1120	1080	1040	1000	970
1080	752	500	500	570	640	678	715	790	1020	1950	1680
880	880	810	810	810	810	810	1060	960	880	810	960
1040	1140	1070	1180	1240	1100	1100	1070	1070	1240	1140	1070
1060	1020	1020	1220	1490	3030	2610	3090	3990	5460	5780	5460
1070	1000	1000	1000	965	870	810	870	1140	1210	810	700
1230	1100	1100	1230	1380	1640	1660	1460	1420	1340	1230	1230
824	824	950	1150	1150	1080	1080	1220	1150	1080	1150	1220
990	930	930	930	900	990	900	930	930	930	930	930
736	754	764	759	717	723	719	733	746	745	918	1067
740	769	677	662	603	595	498	590	498	590	590	682
1428	1419	1445	1621	1583	1527	1450	1480	1517	1437	1360	1207
684	727	798	820	801	787	929	1109	1118	1073	1011	1028
674	657	651	692	747	880	1047	1096	1083	1014	1012	934
1393	1217	1155	1048	1819	1935	1700	1477	2586	2347	2032	1360
908	694	797	927	802	728	1028	1028	802	878	908	1078
1210	1155	897	938	1020	919	934	991	987	933	859	865
949	899	661	662	673	883	881	843	761	698	675	670
715	629	716	575	625	601	652	656	816	669	719	737
802	772	740	692	776	801	902	862	760	738	739	711
704	1179	1334	1066	1052	1085	1223	1051	1069	1075	776	611
1419	1298	1745	1882	2109	1887	1228	1224	1205	1725	2232	1734
811	793	588	977	787	852	785	854	789	791	730	695
771	805	859	779	706	804	604	559	645	605	587	683
750	810	745	660	541	794	759	652	648	534	592	650
734	731	644	446	481	501	645	727	771	743	620	578
690	652	635	677	654	636	831	653	735	752	747	721
908	1020	817	930	1026	957	867	871	833	861	887	1021
807	944	930	705	861	887	1228	492	739	717	506	667
797	993	1029	801	922	782	798	811	718	737	805	695
563	613	633	608	709	684	697	692	717	679	629	449
989	999	1074	914	1075	1225	1310	1220	1240	1225	1060	1250
794	691	791	791	790	786	786	804	931	835	839	825
1128	849	749	740	673	670	697	857	784	660	857	630

JANUARY

	22	23	24	25	26	27	28	29	30	31	Total
0	1220	1240	1210	1140	1040	1070	950	1100	1140	1280	
0	1870	1870	1350	1280	1510	1680	1770	1680	1680	1590	
0	830	950	770	720	720	620	620	830	950	1010	
			550	530		550			550	550	
0	2980	2780	2780	2780	2780	2060	1580	1340	1220	1220	
0	2040	2040	2040	1680	1680	1680	1680	1680	1680	1680	
0	1350	1310	1270	1240	1200	1200	1200	1130	1130	1200	
00	970	900	830	830	830	830	760	695	830	1120	
50	1680	1380	2400	4100	2990	2400	2010	1680	1570	1470	
10	960	880	810	810	960	880	810	810	750	750	
40	1070	930	1040	1180	1180	1100	1070	1040	1100	1965	
780	5460	4060	3210	2850	2490	2270	2110	1960	1860	1860	
810	700	700	650	1000	675	1000	1140	1210	1320	2140	
230	1230	1200	1300	1420	1550	1550	1380	1300	1230	1160	
150	1220	1220	1220	1220	1220	1370	1300	1150	1220	1220	
930	930	930	770	730	930	990	1050	1110	1050	1050	
918	1067	973	946	975	908	889	869	836	849	843	
590	682	780	673	861	867	864	777	877	777	690	
1360	1207	1145	1201	1380	1603	1659	1506	1413	1355	1386	
1011	1028	1116	1072	1015	928	868	851	779	758	688	
1012	934	901	889	976	1211	2381	2491	2430	1984	1726	
2032	1360	1520	1338	1760	1820	1565	1578	1380	1757	1331	
908	1078	999	978	1078	1203	1013	1043	943	958	873	
859	865	777	1106	1021	1038	846	901	1041	554	845	
675	670	683	797	743	857	814	996	983	876	876	
719	737	768	775	947	879	815	960	782	1172	1137	
739	711	697	747	861	746	693	694	807	955	892	
776	611	701	768	819	895	989	1273	1123	1106	1054	
2232	1734	1490	1601	1475	1592	1337	1077	1221	1221	1216	45,004
730	695	765	766	629	629	876	820	821	745	707	22,757
587	683	589	615	666	677	814	810	820	795	811	22,387
592	650	897	845	913	695	675	826	706	749	750	22,407
520	578	526	480	387	486	560	676	683	636	642	19,306
747	721	735	808	684	613	721	873	617	663	757	21,963
887	1021	1159	2056	2184	1636	1477	1421	1301	1279	1206	39,840
506	667	848	924	939	893	812	826	923	836	837	26,128
805	695	613	638	617	582	417	429	418	411	413	22,306
629	449	549	644	654	604	654	709	657	710	611	18,784
1060	1250	1568	1445	1195	1020	1125	1165	1258	1358	1295	33,746
839	827	493	481	818	813	743	1066	1058	848	823	26,118
857	630	699	738	695	842	896	895	711	808	843	26,929

Year	1	2	3	4	5	6	7	8	9	10	11	12
1895	1240	1240	1260	1180	1140	1190	1190	1180	1180	1210	1100	1010
1896	1590	1350	1350	1070	1070	950	950	1070	1070	1070	1010	1070
1897	1010	950	830	830	1010	1070	1010	1350	1350	1210	1140	1140
1898			550				550			1060		
1899	1220	1220	1100	1100	1220	1220	1100	1340	1580	1940	1580	1580
1900	1780	1790	1790	1790	1680	1520	1570	1570	1680	1570	1460	1460
1901	1240	1130	1200	1240	1130	1240	1160	1160	1100	1200	1200	1270
1902	1270	1350	1350	1440	1350	1350	1310	1800	2000	2000	1900	1800
1903	1680	1380	1280	1280	1280	1330	1200	1330	1280	1200	1110	945
1904												
1905												
1906	810	780	780	810	750	780	780	810	810	810	810	880
1907								3540	3540	3420	3060	2950
1908			1240	1240	1180	1100	1100	1070	1070	1040	1000	1000
1909	1860	1760	1760	1720	1490	1400	1490	1580	1500	1490	1440	1580
1910												
1911	2450	2340	1680	1600	1740	1640	1370	1300	1250	1325	1410	1325
1912	1100	990	990	1020	1230	1230	1170	1230	1230	1460	1550	1380
1913												
1914	1220	1220	1020	950	1150	824	1020	1220	1020	1080	1220	1080
1915	1330	1480	1480	1330	1180	1050	1050	1050	1050	1050	990	930
1916	835	854	868	834	863	887	1017	1106	1127	1148	1206	1182
1917	684	684	690	690	880	800	783	793	783	695	695	948
1918	1225	1287	1040	1127	1229	1457	1429	1437	1380	1370	1355	1488
1919	697	732	802	835	811	814	832	835	858	847	1062	1351
1920	1517	1498	1474	1428	1374	1345	1334	1259	1182	1063	1021	976
1921	1453	1262	1416	1250	1267	1178	1208	1199	1239	1270	1485	1215
1922	973	788	788	787	872	794	952	1152	1383	1197	1110	1014
1923	678	629	730	781	841	781	584	817	982	861	932	671
1924	838	983	1066	962	985	981	1008	2050	2445	1966	1336	1107
1925	1023	1213	2195	2895	5775	5859	5769	3846	2972	2088	1758	1638
1926	794	795	772	941	1067	1136	2100	1900	1620	1485	1497	1354
1927	1047	1164	1449	1826	1934	1999	1754	1564	1607	933	911	1060
1928	1236	1297	1434	1464	1326	1591	1612	1577	1291	1447	1549	1324
1929	762	1172	1146	932	1112	1097	867	614	614	705	737	508
1930	846	823	832	924	760	846	847	1094	1087	975	1055	971
1931	752	761	761	765	792	855	850	782	466	772	836	837
1932	646	600	801	529	492	498	659	655	688	810	653	569
1933	697	770	155	638	584	708	677	692	593	585	655	788
1934	1168	1227	1459	1327	1332	1338	1475	1560	1610	1733	1506	1465
1935	828	868	945	933	970	1076	1156	1257	1038	744	924	917
1936	524	657	606	689	787	661	686	598	557	557	708	728
1937	700	730	674	796	723	654	682	678	678	671	723	723
1938	1204	1133	1394	1233	1198	1169	1163	1168	1163	1159	1412	1505
1939	699	591	609	860	885	895	1003	785	775	764	793	1045
1940	820	744	953	982	1044	1009	1262	1205	1076	1061	1439	1273

FEBRUARY

12	13	14	15	16	17	18	19	20	21	22	23
1010	1100	1180	1070	1100	1180	1210	1180	1220	1210	1210	1290
1070	1070	1010	1070	1070	1010	1010	1070	1070	1070	1140	1140
1140	1070	1070	1070	1010	1010	950	950	890	830	890	890
		1230			1750				1400		
1580	1580	1340	1460	1460	1580	1580	1580	1580	1460	1460	1340
1460	1460	1460	1460	1460	1360	1460	1460	1460	1680	2480	2330
1270	1270	1240	1350	2430	2120	1870	2180	2180	2020	1820	1970
1800	1560	1350	1310	1270	1350	1440	1390	1350	1270	1270	1270
945	865	1020	790	945	1110	1020	1020	1020	1020	1110	1110
880	920	960	1010	1160	1240	1280	1330	1310	1280	1310	1280
2950	2900	2840	2900	2900	2950	2900	2900	2840	2900	2840	2900
1000	930	950	965	1070	1040	1040	965	1000	965	1000	1040
1580	1960	1760	1760	2160	3400	2970	2610	2550	2580	2060	2060
1325	1370	1230	1170	1140	1060	1230	1230	1230	1140	1110	1170
1380	1340	1300	1260	1300	1460	1880	1780	1550	1460	1420	1460
1080	1080	1080	1080	950	1020	1220	1220	1300	1530	2190	2300
930	930	820	730	820	930	1050	1110	1110	1050	1050	1104
1182	1106	1066	1057	1074	1109	1111	1159	1158	1164	1183	1223
948	857	857	857	765	800	972	923	917	825	834	937
1488	1493	1583	1534	1477	1432	1382	1486	1417	1449	1345	1366
1351	1356	1203	938	927	995	992	973	943	930	908	943
976	1041	999	977	1017	1073	1130	1099	1102	1160	1176	1147
1215	1680	1900	2044	2933	2414	1311	1236	1465	1500	2195	2204
1014	889	731	670	753	1023	1101	1280	1233	1115	865	715
671	759	772	873	928	761	934	851	936	1022	1041	1067
1107	1307	1222	1178	1282	1356	1334	1266	1142	1164	1145	1314
1638	1637	1778	1775	1608	1381	1443	1443	1558	1677	1938	1820
1554	1252	1056	1033	1017	1000	1031	1004	1020	1020	1000	992
1060	1234	1243	1255	1150	1318	1204	1481	1789	3015	4104	3488
1324	1166	1473	1166	924	1188	1192	1442	1452	1593	1426	1407
508	750	794	823	866	843	996	1049	1078	1044	931	754
971	969	881	1343	1488	1268	1405	1290	1163	1767	1455	1715
837	688	630	862	890	887	974	925	908	1005	832	856
569	549	436	431	543	466	468	489	534	496	666	672
788	781	713	770	940	702	768	777	769	763	769	800
1465	1324	1322	1316	1384	1463	1465	1314	1192	1595	1550	1190
917	918	928	883	753	781	922	934	1062	1119	1101	1043
728	1003	835	1042	608	776	1012	716	896	843	1137	1170
723	670	795	715	870	875	865	786	709	578	612	858
1505	1707	1486	1459	1443	1199	1189	1128	1201	1437	1108	1207
1045	811	811	813	911	675	799	798	909	762	883	871
1273	987	910	1329	1058	947	1047	953	840	818	837	949

Chart 2A

22	23	24	25	26	27	28	29	30	31	Total
1210	1290	1350	1390	1430	1450	1460				
1140 890	1140 890	1140 890	1210 850 1460	1210 770	1280 770	1770 830 1750	1870			
1460 2480	1340 2330	1220 2180	1220 2040	1340 2180	1460 2040	1460 2040				
1820 1270 1110	1970 1270 1110	1870 2880 1110	2070 2460 1110	1970 2220 1020	4160 2110 1110	4380 1800 1110				
1310 2840 1000 2060	1280 2900 1040 2060	1200 3060 1140 2160	1160 3180 1180 2160	1160 3420 1210 2110	1110 4060 1240 2060	1300 4130 1320 2110	1360			
1110 1420	1170 1460	1140 1380	1170 1160	1170 1160	1140 1260	1060 1230	1080			
2190 1050	2300 1104	2140 995	1980 1070	1880 1076	1700 1036	1790 1112				
1183 834 1345 908 1176	1223 937 1366 943 1147	1224 869 1451 939 1095	1222 1096 1429 916 1050	1212 1022 1418 901 971	1248 1156 1401 975 938	1228 1035 1401 1087 936	1160 927			
2195 865 1041 1145 1958	2204 715 1067 1314 1820	2560 850 1290 1018 2302	2090 869 1263 1072 2132	1800 951 1280 1120 2024	1985 1019 1183 1290 1840	2260 716 1233 1121 1906	1165			
1000 4104 1426 931 1455	992 3488 1407 754 1715	1063 2949 1407 1050 1487	1072 2719 1410 911 1282	1020 2850 1380 837 1275	1059 2576 1364 998 1175	1032 2702 1264 870 1171	1273			39,677 24,860 52,194
832 666 769 1550 1101	856 672 800 1190 1043	706 614 767 1479 1039	805 644 746 1327 1036	788 670 744 1398 920	835 814 752 1407 1006	829 1052 765 1550 1037	1239			22,649 18,378 20,568 39,474 27,168
1137 612 1108 883 837	1170 858 1207 871 949	1102 758 1207 988 1051	1087 797 1102 998 1048	947 801 1219 1094 1246	857 781 1346 897 2085	942 962 1424 861 4011	947			23,678 20,864 35,753 23,585 37,862

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	1470	1530	1490	1410	1370	1320	1330	1350	1410	1510	1640	1610
1896	1510	1350	1350	1280	1350	1070	1070	1210	1350	1210	1280	1280
1897	890	890	1010	1070	1070	1010	1070	1140	1070	1010	1010	890
1898	1750	1920	1920	1920	2260	2430	2430	2260	2260	2430	2770	2600
1899	1580	1580	1580	1580	1460	1460	1460	1460	1340	1340	1340	1400
1900	1910	2040	2040	2180	2040	2330	2720	2980	3910	4230	4810	5990
1901	3930	4600	4270	3930	3060	2880	3260	3260	2880	2720	2640	2430
1902	1700	1610	1520	1480	1440	1440	1440	1440	1440	1410	1420	1390
1903	1110	1150	1200	1200	1200	1110	1090	1020	1020	1110	1200	1200
1904	3370	2760	2760	2560	2560	2560	3370	8180	11500	6760	5320	4890
1905												
1906	1240	1110	1110	1110	1110	1060	1060	1240	1390	1470	1430	1390
1907	3670	3060	3060	3000	2950	4550	4340	4480	4410	4200	4060	3930
1908	1280	1210	1100	1040	1140	1100	1040	965	1000	1000	1070	1210
1909	2160	2270	2440	2490	2670	2550	2610	2730	2790	2610	2550	2610
1910	3360	5500	6700	6700	7170	6850	6550	6700	6700	6700	6850	7170
1911	1060	1060	1110	1230	1230	1230	1370	1495	1450	1450	1495	1540
1912	1160	1230	1160	1040	1040	1160	1260	1230	1200	1220	1230	1230
1913	1050	1100	1150	1200	1200	1340	1340	1340	1580	1670	2140	2140
1914	1880	1880	1880	1980	2080	2080	2080	2490	2670	2880	3220	3300
1915	1062	992	998	1060	1019	1009	1000	936	962	955	1093	1195
1916	1095	1021	961	910	1039	1050	976	998	1349	1968	2600	3064
1917	1038	913	914	1006	1036	916	997	990	987	944	904	944
1918	1389	1362	1354	556	942	1242	1485	1361	1455	1537	1700	1645
1919	1186	1278	1385	1290	1154	1178	1171	1163	1016	948	967	1069
1920	911	1059	1097	1107	1206	1059	1128	1022	1080	1171	1260	1257
1921	2420	2403	3000	3954	4963	5680	4793	4212	4605	4116	3755	4010
1922	966	791	1156	1099	1176	1052	1001	1109	957	962	889	917
1923	1292	1448	1558	1347	1309	1423	1302	1309	1092	1083	962	1182
1924	1117	952	1202	1267	1155	1101	1113	1150	1093	1008	1106	1179
1925	1718	1562	1671	1765	1930	2758	3451	3358	2995	2556	2114	2019
1926	1202	1300	1387	1487	1756	1725	1529	1619	1608	1688	1803	1666
1927	2525	2255	2511	2289	3068	3019	3376	3240	3108	3075	2642	2793
1928	1167	1286	1049	1415	1375	1375	1157	1674	1888	2664	3047	5304
1929	771	936	822	950	1060	1055	1219	1245	1350	1272	2102	1527
1930	1109	958	1114	947	1117	1456	1301	1119	1205	1051	1045	1117
1931	678	658	830	917	858	866	863	725	836	964	906	1008
1932	1428	1349	1203	1001	797	936	968	772	612	587	523	425
1933	818	792	761	748	752	687	696	700	731	826	824	836
1934	1277	1437	1573	1798	1855	1797	1802	1685	1638	1644	1619	1710
1935	1131	1204	1176	1098	1140	1115	919	1044	1161	1096	847	1094
1936	1060	1113	1325	1444	1513	1415	1504	1561	1549	1628	1656	1581
1937	790	989	1096	962	1033	960	1019	1107	1192	1049	1089	1490
1938	1642	2168	2514	2687	2426	2421	2152	2171	2235	2239	2239	2307
1939	860	775	908	1023	1004	1017	906	878	986	869	1097	1130
1940	4175	3300	2919	2488	2269	2210	1929	2065	2602	2525	2309	2061

MARCH

12	13	14	15	16	17	18	19	20	21	22	23
1616	1550	1490	1410	1370	1350	1370	1390	1390	1390	1390	1390
1280	1350	1350	1350	1350	1280	1350	1350	1590	2430	2970	3120
890	770	890	890	890	1090	1070	1010	950	950	1010	1210
2600	2430	1920	2090	1920	1750	1750	1750	1750	1920	1750	1580
1400	1400	1340	1340	1340	1340	1580	1940	2060	2060	1820	1820
5990	5990	5860	5860	6120	6120	6390	6390	6120	6120	6120	6660
2430	2180	2180	2180	2180	2570	2570	2570	2720	2880	3930	3480
1390	1390	1350	1350	1350	1350	1350	1350	1350	1440	1440	1440
1200	1380	1470	1570	1570	1570	1570	1620	1680	1680	1900	2010
4890	4480	4090	3900	3540	3720	3900	4890	4680	4380	4000	3900
						1930	1850	1660	1630	1630	1630
1390	1350	1280	1160	880	750	810	880	1060	1160	1240	1350
3930	3740	3480	3540	3670	3540	6220	10600	10800	11300	9990	8630
1210	1360	1560	2780	3950	3810	4940	4100	5270	3020	2840	2780
2610	2610	2850	3210	3780	4130	4130	3990	4130	3850	3850	4060
7170	7490	8450	8770	9250	9890	10400	11800	15200	15600	16600	16100
1540	1540	1640	1895	2170	2555	2670	2980	3370	3910	4200	4800
1230	1230	1340	1580	1500	1460	1420	1380	1380	1290	1300	1420
2140	1840	1670	1500	1500	1500	1670	1670	1500	1340	1420	1340
3308	3520	3750	3830	4340	4730	5120	5530	5180	5120	4780	4730
1195	1186	1224	1206	1295	1379	1285	1540	1669	1546	1951	2183
3064	3552	3443	3345	3506	4057	4521	4902	5657	6189	5434	4801
944	812	905	866	887	826	865	848	926	1024	1016	1020
1645	1744	1699	1758	2397	2209	2118	2637	2705	3355	3813	4013
1069	1080	1063	1035	1123	1195	1138	1135	1280	1488	1788	1819
1257	1293	1490	1569	1470	1534	1444	1393	1342	1443	1808	2109
4010	4085	3895	4426	4168	4590	4450	5725	5346	4561	5073	4960
917	990	725	485	777	1255	1822	2246	2395	2310	2235	2681
1182	1242	1158	1014	1033	1057	1148	1122	1064	1290	1237	1219
1179	1044	1078	1016	974	969	958	964	964	1028	976	948
2019	1995	1789	1790	1644	1983	1982	1988	2033	2661	3692	4305
1666	1828	2490	2728	3083	3576	3155	2939	2805	2769	2811	3040
2793	2492	3090	3901	3346	2755	3078	2766	2728	2466	2462	2777
5304	4629	3924	3468	3168	3096	3370	3742	4360	5013	6166	8715
1527	1838	1683	1582	1654	1720	1856	1860	1920	2042	3085	2758
1117	1113	1261	1479	1637	1565	1670	1693	1705	1900	2038	2073
1008	1288	1209	1220	1385	1416	1527	2571	2553	2565	2865	2836
425	1519	1339	1478	1533	1501	1836	4216	8578	6327	3770	2934
836	1117	1090	1002	1074	1221	1313	1257	1273	1335	1141	1098
1770	1857	2141	2312	2658	2822	2573	2354	2330	2320	2466	2662
1094	1118	1364	1774	1797	1687	1588	1616	1413	1528	1418	1397
1581	1767	1654	1434	1293	1444	1398	1468	1722	2304	2481	2260
1490	1505	1632	1906	2266	2159	2510	2013	1649	1577	1462	1428
2307	3039	3496	3291	3626	4726	4586	4644	4468	3838	3471	3509
1130	1378	1424	1283	1105	1621	1981	2445	3140	3413	3878	4466
2061	1760	1737	1933	1711	1738	1859	2078	2107	2227	2467	2746

Chart 2B

	22	23	24	25	26	27	28	29	30	31	TOTAL
0	1390	1390	1430	1550	1740	2060	3000	5430	2860	2590	
10	2970	3120	4100	4100	6490	8260	6810	6190	4100	3930	
20	1010	1210	1510	1870	3120	3430	3120	2970	2690	2430	
30	1750	1580	1400	1400	1400	1400	1400	1580	1750	1750	
40	1820	1820	1940	3760	2130	2580	2780	2780	2780	2580	
50	6120	6660	6660	6660	6920	6660	5330	5330	5060	5060	
60	3930	3480	3060	3060	2640	2570	2430	2240	2180	2180	
70	1440	1440	1440	1440	1440	1480	1440	1440	1440	1440	
80	1900	2010	2400	3340	3520	4100	4750	5970	7900	8070	
90	4000	3900	3540	3460	3210	3290	3050	4680	4680	4090	
100	1630	1630	1640	1640	1940	2090	1860	1860	1820	1650	
110	1240	1350	1490	2250	2840	3180	3180	3360	3480	4130	
120	9990	8630	7910	7450	6740	6300	6070	5920	5770	5700	
130	2840	2780	2900	3200	3020	2960	2720	2560	3020	2620	
140	3850	4060	4130	4550	4840	3780	6280	6700	6450	6620	
150	16600	16100	12100	10800	10200	9250	9090	8770	8450	8290	
160	4200	4800	4800	4350	3840	3665	3500	3630	4500	4050	
170	1300	1420	1600	1730	2030	2480	2970	3360	3230	3130	
180	1420	1340	1340	1340	1200	1200	1480	1970	4040	4130	
190	4780	4730	4670	4340	3880	3690	3260	3090	3040	3000	
200	1951	2183	2500	2319	2190	1985	2080	2787	2612	2075	
210	5434	4801	4156	3751	3522	3471	4128	4416	4389	4472	
220	1016	1020	924	1048	1006	933	906	1208	1563	1698	
230	3813	4013	4377	4720	5264	6243	6415	6414	6477	6335	
240	1788	1819	2381	2738	3288	3278	3678	4099	4812	5241	
250	1808	2109	2168	2108	1859	1852	1755	1579	1495	1559	
260	5073	4960	4927	5093	4881	4413	4092	4221	4306	4633	
270	2235	2681	4669	4453	3473	3156	2936	2782	2429	2972	
280	1237	1219	1332	1419	1804	1610	1884	2721	3359	4330	
290	976	948	995	866	1058	900	997	919	914	764	
300	3692	4305	5045	4980	4830	4920	4460	5690	6054	6250	
310	2811	3040	3470	3393	2575	2525	2318	2074	2030	1863	
320	2462	2777	2725	3174	3384	3152	3273	3732	4012	4810	
330	6156	8715	8649	9920	8122	8559	8443	7252	6658	5978	136,423
340	3083	2788	1681	1745	1575	1578	1820	1984	1976	2318	50,952
350	2038	2073	2029	2094	2242	2972	2312	2505	2948	3073	51,808
360	2865	2833	2400	1950	1856	1504	1700	1623	1351	1718	45,623
370	3770	2934	2845	2955	2965	2460	2254	3060	2918	2724	67,913
380	1141	1098	1081	1003	997	1099	1106	1640	1644	1665	32,237
390	2466	2662	2685	2458	2445	2285	2760	5492	6110	5265	75,848
400	1418	1397	1234	1386	1433	1364	1349	1349	1709	1926	41,575
410	2481	2260	2057	1858	1681	1624	1668	1624	1491	1393	50,030
420	1462	1428	1285	1321	1402	1473	1493	1600	1723	1755	44,935
430	3471	3509	3305	3402	2310	3581	3347	3439	3194	2840	95,513
440	3878	4466	4809	5842	6017	5680	5766	5652	5231	5563	82,147
450	2467	2746	3117	3521	5356	9146	8989	6379	5321	5712	100,756

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	2470	2350	2460	2560	2330	2210	2120	2250	2520	2830	3020	3240
1896	3760	2970	2830	2930	2970	2970	4100	4470	3760	4890	3930	3930
1897	2560	2190	2080	2190	2080	2430	2430	2310	2970	3590	4890	6490
1898	1580	1750	1750	1400	1230	1400	1750	1580	1580	2090	2260	2600
1899	2780	2980	2980	3170	3760	3760	3760	4580	5580	7000	7600	8320
1900	5060	6660	7450	6920	6660	7180	7720	7450	6650	6660	5860	6390
1901	2070	2240	2430	2360	2300	2300	2300	2300	2360	2720	3460	4380
1902	1390	1850	1930	2460	2460	2460	3365	4160	3030	2590	2590	2660
1903	7110	6520	5710	5710	5220	5220	5220	4310	4530	7740	6810	5710
1904	4090	4090	4480	5320	5770	6010	5770	5890	6760	10400	11500	13700
1905	1650	1710	1750	1840	1970	2320	2810	2920	3050	2810	2570	2470
1906	4550	3670	3240	3060	2900	3540	4340	5110	5250	5620	4830	4620
1907	6520	6670	6970	7040	7270	7350	7510	8230	9030	11600	11600	13680
1908	2190	2190	2290	2500	3140	2900	2780	2800	3140	5180	5580	6780
1909	6650	7450	8200	7550	7100	6400	5900	5900	5600	6600	6550	6450
1910	8290	8290	8930	8450	8450	8450	8610	8930	9890	10500	11500	12000
1911	6150	6560	6550	6100	5750	5280	4970	4520	4790	5050	4750	4280
1912	3230	3770	4740	5300	5280	4090	5060	6100	7200	8070	7870	7360
1913	4640	4300	3840	3370	3730	4110	4050	3990	4230	4600	5280	5980
1914	2690	2920	3260	4140	6260	7270	7360	7760	7840	8420	8500	8100
1915	1975	2230	2616	2764	2684	2821	2763	2591	2640	2677	2799	2997
1916	5108	5908	6338	6649	6947	6649	6611	7382	7735	8918	11761	11644
1917	1538	1386	1557	1500	1522	2002	2515	3849	2374	3735	3881	4131
1918	6402	6266	6621	5948	4910	4575	4018	4595	4356	4985	7036	7100
1919	5805	6183	6303	7518	8333	7507	6650	5390	4657	4320	4467	4513
1920	1549	1628	1531	1432	1533	1963	2111	2495	2798	3230	3602	3889
1921	4960	5767	7327	8583	6136	7996	5956	5193	4763	4887	6514	5327
1922	3260	2889	2775	4554	4485	4692	4458	6294	6242	5026	5028	3849
1923	4206	4488	4476	4386	3861	3958	4326	3854	3633	3645	3874	5255
1924	933	944	962	1132	962	1056	1305	1922	2506	2714	2762	2722
1925	5595	5335	5480	5275	7895	7885	7895	7900	8830	10400	11355	13050
1926	1991	1761	1894	1767	2133	2025	2316	2702	3180	3305	3319	3344
1927	4481	5998	5446	4916	4032	4406	4917	5380	5659	5298	4742	4570
1928	5834	5406	5252	4801	4587	4407	3948	3809	3590	3952	3737	4216
1929	1871	1814	1951	2290	2609	2586	2202	2129	1930	1688	1726	1701
1930	2581	3183	2944	3242	3610	4160	5125	5379	5540	5662	5685	5631
1931	2199	3177	3354	2629	2470	2533	2709	3256	3115	3192	3072	3206
1932	3195	3973	4861	5242	4783	4470	4032	4038	4045	4011	4576	5694
1933	1590	1914	2492	3599	3806	3357	3080	2669	2455	1864	1512	1407
1934	4654	4001	3629	3525	3291	2945	3039	3299	3634	3548	4155	4344
1935	1763	1721	1651	1964	2515	2513	2285	3268	4057	4412	4198	4443
1936	1390	1325	1255	1342	1284	1257	1301	1543	2409	3573	4529	6748
1937	2008	2800	3385	2295	2160	1990	1889	1776	1642	1960	1960	1988
1938	2807	2545	3270	2989	3119	3515	3893	4296	4548	4828	5365	5802
1939	5941	6390	6610	6985	6927	6185	5572	5178	5441	4937	4823	4697
1940	9288	8136	6835	5923	5711	5180	4692	4636	4581	4810	4623	4422

APRIL

12	13	14	15	16	17	18	19	20	21	22	23
3240	3510	3680	3850	4020	4200	4370	4510	4680	4890	4470	4890
3930	6810	11000	7150	6190	5910	4890	4470	3930	3760	4890	5130
6490	7880	8660	14300	19000	26200	27000	29500				
2600	3800	5170	5510	6020	6360	6360	5510	5510	5680	5580	5680
8320	8140	7450	7300	10170	8500	8690	7000	6700	6700	7960	10910
6390	7180	6120	5600	6120	5860	6120	6120	6120	6120	6120	6120
4380	5050	5720	5500	5050	5280	5500	6170	6840	6840	7180	7740
2660	2660	2590	2730	3740	4160	5500	5950	6400	5500	5050	4600
5710	4980	5220	5340	5710	6240	6520	6660	6810	7740	11500	11000
13700	15500	18000	19700	17800	16400	15400	17200	18000	15400	12200	10100
2470	2570	2490	2490	2660	2820	2710	2980	3380	3380	3320	3540
4620	4760	4830	5470	6070	6300	6370	6440	6520	7430	8070	8550
13680	14600	15600	17000	16000	14500	13600	12300	11300	11400	11400	12500
6780	8670	7950	7770	8760	8040	7950	8850	9600	10100	10600	9900
6450	7150	8000	8450	9000	9150	9150	9050	8750	8450	8000	8200
12000	11800	11200	10500	10000	10000	10000	10200	10800	10500	10400	10300
4280	4120	3890	3780	3630	3750	4300	4430	4410	4250	4280	4620
7360	6560	5780	5600	5280	5240	5530	5350	5240	4970	4970	4800
5980	6980	7710	8310	7440	6900	7490	7910	7520	8100	8670	7650
8100	8510	8750	9650	11300	10100	9250	8870	8800	8900	9490	9590
2997	3574	3719	3501	3663	4073	4056	4108	4130	4300	4090	3728
11644	10551	10410	10620	10490	9840	9550	8500	7540	7470	7660	7490
4131	6451	4496	3948	3509	3093	2976	2850	3091	3701	5092	5900
7100	6877	6838	6577	6063	5537	5144	3862	4145	4422	4966	5569
4513	4483	4467	4267	4022	4083	4226	5155	5903	6490	6946	7273
3889	4069	4230	4214	4248	3943	3558	3452	3535	3694	3728	3664
5327	7017	8340	7536	6812	6002	6002	6172	6725	7155	7138	7674
3849	3758	3457	3506	3305	2840	2585	2630	3265	3935	5425	7240
5255	4705	4777	4548	4905	6311	6805	6347	6092	5045	4455	3962
2722	2699	3378	3415	2745	2250	2191	2015	2144	2124	2476	2907
13050	14200	12950	11335	11440	11755	12275	10665	8930	7786	7050	6760
3344	3483	4083	4321	4867	5381	5802	5848	6001	5863	5023	4796
4570	3980	4118	4603	4980	4956	5073	4648	4734	4200	4305	4219
4216	3607	3977	3797	4053	4198	4445	4659	4221	4380	4232	3978
1701	1558	1562	2046	2219	2552	3065	3471	4107	4235	3966	3860
5631	5525	5481	5290	4418	3885	3774	3343	3400	4141	4781	5185
3206	3540	3326	3143	2972	3083	3119	3354	2833	3070	2981	2784
5694	7652	8697	9076	8305	8060	6727	6413	6664	6338	5443	4868
1407	1486	1487	1809	2471	3328	3477	3250	3663	4220	4186	4820
4344	4924	5274	5156	4687	4476	3941	4048	3958	4144	4688	4838
4443	4871	5695	6446	8138	7767	6191	5524	6063	7305	8311	7747
6748	8620	10535	11125	13522	12154	15960	18600	18270	17980	17140	18345
1988	2287	4490	5662	7167	5220	4422	3785	3810	4022	4497	3958
5802	6088	6436	6674	7394	7848	8938	12800	14070	12825	12541	13191
4697	4700	4359	4117	3946	4252	4451	4701	5133	5108	6149	6521
4422	4762	5769	6669	6698	6023	5786	5661	6661	6781	6276	5848

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
0	4890	4470	4890	5380	5910	6810	6490	6840	6220	6490		
0	3760	4890	5130	5130	5910	7150	5640	5380	5640	5130		
0	5680	5580	5680	5680	5850	6540	6540	6540	6360	6190		
0	6700	7960	10910	13130	11280	11650	9060	7960	7300	6700		
0	6120	6120	6120	6120	6120	5860	5860	5860	5860	6120		
0	6840	7180	7740	8640	7850	8080	7290	7070	7520	8410		
0	5500	5050	4600	4160	3840	3940	3940	3740	3550	3740		
0	7740	11500	11000	11500	12100	13300	12700	10500	8410	8070		
0	15400	12200	10100	9120	9120	11100	13600	11800	11100	10600		
80	3380	3320	3540	3540	3950	4410	4570	4070	3760	3590		
20	7430	8070	8550	7830	7430	6520	6300	6220	6520	6600		
00	11400	11400	12500	12500	12500	12100	11900	11500	11300	11300		
00	10100	10600	9900	8940	7940	7590	7140	6690	6510	6690		
50	8450	8000	8200	8350	8000	9400	10500	10200	9000	7460		
00	10500	10400	10300	10500	11000	11300	11500	11300	11000	10200		
10	4250	4280	4620	5330	6500	8200	8500	8300	7640	7500		
40	4970	4970	4800	4900	5780	5760	5740	6000	6440	8450		
520	8100	8670	7650	6790	6430	7140	7870	8290	7430	6730		
800	8900	9490	9590	9360	9300	7970	8070	7840	7630	6620		
130	4300	4090	3728	3387	3212	3296	3292	3357	3493	3743		
540	7470	7660	7490	9450	11390	13460	14960	14020	12050	10430		
091	3701	5092	5900	7547	8193	9086	9314	9990	7615	6699		
145	4422	4966	5569	6797	7647	7167	6552	6124	5937	5984		
903	6490	6946	7273	8021	9470	10433	10516	10353	10215	9956		
535	3694	3728	3664	3246	2931	2893	3152	3518	4078	4608		
725	7155	7138	7674	8104	7287	6587	5830	6050	6402	7250		
1265	3935	5425	7240	8120	8815	8870	9270	9976	10412	9160		
092	5045	4455	3962	3538	2938	3222	3601	4610	5280	5760		
144	2124	2476	2907	3094	2821	2761	2548	2741	2873	3123		
930	7786	7050	6760	5857	5666	5365	5140	5220	5640	6000		
001	5863	5023	4796	4214	3991	4071	4313	4525	4919	5103		
734	4200	4305	4219	4865	6872	10092	13778	14531	14795	14870		
221	4380	4232	3978	4641	5988	6929	10105	11480	10460	9717		158,406
107	4235	3966	3860	4207	4109	4013	4434	4832	5308	5806		89,547
3400	4141	4781	5185	6194	5909	5666	4546	4786	4674	3349		137,089
2833	3070	2981	2784	3070	2662	2521	2502	2601	2746	3367		88,586
6664	6338	5443	4868	4325	4181	4438	5337	5997	6088	6507		168,003
3663	4220	4186	4820	5649	6315	7220	8267	9084	9592	9602		119,671
9958	4144	4688	4838	5446	4520	4964	4277	3896	3826	3677		124,824
063	7305	8311	7747	6145	5407	5092	5495	6314	6208	6221		149,729
270	17980	17140	18345	19790	17200	15155	13250	11980	10965	10250		288,797
810	4022	4497	3958	3501	3206	3345	4635	5338	4678	3803		103,679
070	12825	12541	13191	13278	13122	14180	14188	13469	13329	15202		292,550
5133	5708	6149	6521	6366	6153	5456	5092	5044	5579	7046		184,459
6661	6781	6276	5848	5853	5685	5717	6531	6620	6097	5647		177,921

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	6810	6190	7150	7510	6490	7880	7510	7150	6810	6190	5640	5640
1896	5640	4890	5640	7280	7880	6490	6810	7151	6490	5910	6190	5910
1897												
1898	6190	6020	6020	5510	4650	4310	4480	4480	4480	4820	4820	4820
1899	6120	5300	5060	4820	5300	5850	9060	9800	13500	19000	17200	14200
1900	6390	6660	6920	7450	7450	8780	9300	10100	10400	11400	11960	11960
1901	8860	10200	9640	10200	11100	10400	10200	9980	10300	10700	11200	11300
1902	3740	3550	3190	3190	3190	3550	3940	6170	6840	6400	6400	6840
1903	7740	7420	7420	8410	9150	10000	10000	10000	9560	9560	9560	9560
1904	10100	10100	11500	12800	12200	12300	12200	11800	11800	12300	12300	12800
1905	3350	3470	3590	3490	3260	3100	3080	3120	3510	3350	2980	2900
1906	6820	6970	7430	8070	7430	7200	7040	7350	7510	8150	8310	8710
1907	10800	10800	10800	10900	10900	10900	11300	11700	11900	12100	12500	11200
1908	7410	8040	7590	8040	7590	8220	9220	9800	9030	8130	6870	6340
1909	7460	7630	8900	10500	12400	11600	10800	10500	10200	10200	9000	8200
1910	9250	8610	7650	7650	7170	6700	6850	7490	8450	10200	10000	8990
1911	7120	7250	8020	8950	10500	10800	9830	9170	8830	7820	7650	7560
1912	7460	6960	6500	6500	6500	8610	7650	8610	10200	11200	11700	11600
1913	6070	5560	5050	4900	5200	7010	8770	10400	11500	12100	10600	10000
1914	6420	7440	8370	9300	9440	7970	8100	8720	9330	9780	10200	10100
1915	4026	3604	3305	3116	3020	2941	2888	2903	3069	3551	3871	4165
1916	9870	10380	11260	13100	14670	15500	16550	14530	13280	11290	9740	8368
1917	6439	5992	6708	5333	6606	6891	7786	9186	10671	10755	11090	12189
1918	6404	6947	7554	8322	9307	10178	11352	10905	9536	8102	7368	7053
1919	10210	10145	9533	8796	7968	7060	6307	5859	5806	5888	5897	5904
1920	4861	5043	4909	4768	4652	4792	5152	5739	6612	7537	8093	8757
1921	7261	7755	8759	9742	10600	11249	11120	12239	13496	13910	12702	13006
1922	8640	8540	9646	9720	10743	12962	12916	12990	12080	9860	8642	8478
1923	4940	4692	4062	4192	4641	6060	7289	7961	8434	9077	9186	8109
1924	3457	3764	4485	4706	4688	4063	3378	3124	3235	3411	4042	4398
1925	6882	7686	9083	10064	11062	11068	12270	12925	11784	10735	10790	10810
1926	5503	5871	5214	4970	6116	7094	5564	4564	4196	3898	3368	3284
1927	15725	14530	11952	10368	9499	8677	8294	8783	7954	7425	6951	8019
1928	9135	10829	10087	9251	9512	10998	12685	15575	17606	20710	19273	18790
1929	4913	4434	4491	4685	4542	4042	3583	3457	4030	4447	4426	4578
1930	3765	3864	3970	5467	5180	5134	5104	4739	4383	4140	3757	3970
1931	3609	4058	4391	4662	4620	4414	5082	5434	4546	4100	3851	3721
1932	6135	7136	7732	7851	7794	7823	7929	7696	8252	8880	8748	10569
1933	7346	6420	5583	5035	4940	4732	4513	4667	3593	3581	3498	3460
1934	3647	3545	3342	3220	3233	3363	4191	4610	4774	4241	3763	3629
1935	6680	5978	6059	5657	5686	6321	7003	7070	6537	6514	6833	6491
1936	10227	9873	9967	10642	12065	11988	10497	9402	7753	9294	10046	11808
1937	3906	4075	5213	6310	7190	7705	7409	6848	6518	6490	6350	5891
1938	16732	19286	15909	12980	10948	9465	8459	7776	7517	7516	8239	8808
1939	8413	7872	8022	8056	8050	7733	6970	6422	5977	5674	5809	5719
1940	5075	4824	5022	6141	6327	5574	5311	5100	5438	6117	7224	8852

MAY

11	12	13	14	15	16	17	18	19	20	21	22	
5640	5640	5640	6490	6810	6810	6490	6190	6190	6490	6810	6190	5
6190	5910	5380	4890	4890	4890	4670	4490	4280	4280	4100	4890	7
4820	4820	5510	5510	5680	5590	5590	5000	4820	5000	5000	4910	4
7200	14200	13500	12800	11300	10200	9800	9060	7600	7300	7300	8320	9
11960	11960	8510	8510	8780	8780	8510	8240	8510	8240	7980	7720	7
11200	11300	12000	12200	12200	12700	12700	12400	11500	9980	9530	8640	8
6400	6840	7740	7740	7070	7070	6840	5950	5500	5160	4830	4720	4
9560	9560	11000	12700	12700	11500	10000	10000	8870	7110	5710	5220	4
12300	12800	12800	13200	13600	13600	13600	13900	13900	15000	16400	18000	187
2980	2900	2710	2580	2610	2650	3300	4600	4740	4710	4670	4100	3
8310	8710	8710	8470	8390	7430	6440	5920	5700	5700	5700	5540	53
12500	11200	11100	10100	9700	10300	11100	12500	13400	13300	12200	11700	109
6870	6340	6170	5740	5580	5340	5100	4860	4860	4700	4400	4180	39
9000	8200	8000	7630	8200	8600	8400	8200	8600	9300	9600	10200	105
10000	8990	9890	9730	9250	8610	8130	8130	8130	7650	7330	7170	76
7650	7560	7880	7840	8980	10200	9650	10100	9380	8830	8610	9030	93
11700	11600	11400	11700	11900	12100	12700	12900	13700	14300	14500	12600	118
10600	10000	9490	8470	7920	7380	6980	7810	8500	8370	8240	8610	94
10200	10100	9920	9280	9440	9440	9600	9600	9280	9440	9600	9600	99
3871	4165	5107	5486	5334	5239	5033	5678	6227	5729	5468	5074	575
9740	8368	7362	6601	6220	6100	6260	7084	8419	8397	8717	8517	777
11090	12189	13773	15296	17848	17555	13816	10629	9104	8562	8308	9284	992
7368	7053	6522	6344	6834	6187	6405	5535	4700	4942	4969	4717	463
5897	5904	5743	5583	5640	5977	6460	6663	6713	7383	8583	10072	11107
8093	8757	8847	8650	8600	8868	9245	9623	9375	9031	8581	8430	8460
12702	13006	11835	13156	14742	17174	18739	18115	15158	13165	12974	12930	12541
8642	8478	8107	9843	10561	11636	13057	15220	16450	16220	15936	15925	13375
9186	8109	7270	6800	6536	6497	6502	7160	8271	7573	7923	8121	7990
4042	4398	4866	5179	5011	5100	5142	5186	4675	4490	4074	4020	3888
10790	10810	10635	10765	10945	11500	11900	12500	13500	14350	14350	13870	12690
3368	3284	3119	2976	3106	3160	3417	3436	3625	3665	4404	4192	3976
6951	8019	8591	10096	13172	16588	19289	20061	16261	14384	11536	9768	8909
19273	18790	16751	14770	12847	11587	11522	12200	13145	13409	12700	14513	14995
4426	4578	5389	6215	6318	6482	6431	6411	6696	6424	7067	7767	8604
3757	3970	3495	3382	3772	4247	4169	4856	4552	4844	4902	5365	5164
3851	3721	4151	4646	5265	5201	5228	4870	4208	3632	3266	3062	2718
8748	10569	12444	13580	13569	12341	10987	11458	11607	12051	12114	12710	10953
3498	3460	3372	3373	3814	4758	5068	5745	4621	4861	4866	5561	5879
3763	3629	3467	3378	3209	3135	3173	3354	3349	3178	3048	2961	2783
6833	6491	6011	5706	5358	5307	6201	6411	5944	5963	6039	6926	7983
10046	11808	12951	13995	14946	14675	12418	10608	9822	9807	8582	7622	6831
6350	5891	5731	5755	6329	6530	6276	6467	6706	6535	6045	5598	5827
8239	8808	9209	10208	11343	11734	12691	12971	12173	10396	9033	8327	8402
5809	5719	5320	5334	5218	5272	5551	5486	5468	5275	4987	4246	4115
7224	8852	9866	9587	9164	8237	7997	7395	7081	7261	7275	7288	7106

21	22	23	24	25	26	27	28	29	30	31	TOTAL
6810	6190	5640	5380	5130	6490	7880	6810	5640	4890	4670	
4100	4890	7150	11000	12500	14900	14900	19000	19700	23700	31200	
5000	4910	4910	4910	4910	5000	5000	5080	6190	5680	5250	
7300	8320	9060	9800	10900	9800	9060	10300	10500	11300	10900	
7980	7720	7450	7450	7180	7180	6920	6920	6660	6660	6390	
9530	8640	8000	7520	7740	8410	8640	9080	9080	8640	8190	
4830	4720	4600	4480	4720	5500	6400	7520	8190	7960	7740	
5710	5220	4980	4980	5220	5340	6240	6660	6810	7740	9150	
16400	18000	18700	18000	16100	14800	12200	12200	12800	11500	11800	
4670	4100	3990	3670	3360	3430	4700	4380	5360	5030	5120	
5700	5540	5320	5540	5470	7040	6740	6520	6440	6070	5920	
12200	11700	10900	10700	9900	9600	9220	9120	9120	10700	11300	
4400	4180	3960	3890	4320	4620	4400	4250	4100	4250	4180	
9600	10200	10500	10200	10200	10400	12000	13100	11700	10200	10200	
7330	7170	7650	9090	8930	7970	8130	7650	7330	7810	8290	
8610	9030	9300	9640	9500	9100	8690	8260	7700	8750	9620	
14500	12600	11800	10800	10500	13000	13500	12700	12500	12900	13100	
8240	8610	9440	11100	12200	12400	12800	13300	12700	12200	11800	
9600	9600	9920	9760	9600	8640	8160	7680	7490	7460	7750	
5468	5074	5796	5022	4787	4461	4241	4198	4667	4521	4537	
8717	8517	7777	7247	6828	6999	5930	5910	6140	6270	6560	
8308	9284	9928	11175	10899	12114	11333	11495	11952	11586	11785	
4969	4717	4632	4615	4825	5036	5266	5255	5317	4972	4676	
8583	10072	11107	11444	11323	10110	9820	9536	10170	11580	11316	
8581	8430	8460	8352	8041	7268	6578	6181	6337	6674	6809	
12974	12930	12541	12865	13949	15565	16723	15918	15515	15115	14000	
15936	15925	13375	13343	16833	18174	14975	11890	10432	10248	10795	
7923	8121	7990	8895	10240	11950	10158	7778	6509	6268	5921	
4074	4020	3888	3711	3338	3312	3040	2876	2505	2306	2130	
14350	13870	12690	11780	11090	10725	10000	10855	11600	11513	10516	
4404	4192	3976	3964	3735	3313	3033	2768	3051	2762	3114	
11536	9768	8909	7754	7128	7836	8923	9582	8753	8044	7795	
12700	14513	14995	14810	15145	15957	15944	14976	13632	12294	10471	426,097
7067	7767	8604	9196	9574	8661	6911	5882	5099	4639	4515	179,709
4902	5365	5164	4767	4518	4524	4740	5434	6571	7559	7289	147,623
3266	3062	2718	2828	3154	3577	3752	3550	3494	3274	3405	125,769
12114	12710	10953	8933	7079	6384	5838	5841	5783	5880	5991	282,088
4866	5561	5879	6017	6201	6925	8055	8577	7771	8254	9359	170,805
3048	2961	2783	2987	2913	2832	2553	2605	2394	2372	2394	114,608
6039	6926	7983	9299	9501	9016	8784	8402	8204	8005	8375	214,264
8582	7622	6831	6225	6750	7498	8365	9154	9524	9492	9120	312953
6045	5598	5827	6462	6098	6658	6286	6269	6315	5787	5017	190,596
9033	8327	8402	9447	11025	11983	14127	16428	15847	14345	12313	355,657
4987	4246	4115	3860	3410	3487	3285	3479	3664	4124	4620	170,918
7275	7288	7106	7107	7859	7933	7868	7286	6819	6630	6476	217,240

YEAR-	1	2	3	4	5	6	7	8	9	10	11	12
1895-	4470	4100	3930	3930	4100	3930	4100	3930	3760	3590	3430	3430
1896-	27000	27000	32100	29500	27000	24500	24500	25300	23700	25300	22900	22900
1897-												
1898-	4910	4820	4820	4480	4310	4480	4140	3970	4140	4650	4910	5170
1899-	10200	10500	12800	13900	13900	11300	10500	10500	9800	10200	11600	13900
1900-	6120	6120	6660	6920	7180	7850	7450	6920	6920	6120	5330	4940
1901-	7740	7740	7740	7070	6400	5720	5500	5050	4830	4600	4380	4270
1902-	7070	6170	5500	5280	5160	5050	5160	5840	6730	7520	7290	6840
1903-	13300	16900	16200	14400	13300	12700	13300	13800	14400	14400	13800	12700
1904-	11800	11800	10400	9440	9440	10100	9770	9770	9600	9440	9440	8900
1905-	6070	6260	5890	5380	5180	4940	4860	5360	5360	5010	5010	4920
1906-	5700	5470	5620	6070	6140	6440	5700	5700	5470	5540	5920	7430
1907-	11700	12200	12200	11900	11100	10900	11300	10700	10300	10000	9700	9320
1908-	4030	3820	3960	4260	4030	3890	3960	4400	4780	5500	6260	7770
1909-	11600	13900	15400	15900	16000	16000	14600	13000	11800	10800	9400	8230
1910-	9090	9250	8290	6850	6700	6850	6250	5950	5200	5050	5650	5950
1911-	10500	11500	12400	13400	13400	12800	13300	13800	13500	12400	12500	14100
1912-	13200	13300	13700	13600	14000	14400	14800	15300	15600	15100	13900	13300
1913-	11400	11000	10900	10500	9920	9680	9280	9360	9280	8720	8160	7600
1914-	8020	8150	8750	8400	7550	6430	5800	5620	4820	4510	4200	4160
1915-	5049	5114	4524	4067	3842	3890	3822	3999	4124	3945	3630	3428
1916-	6620	6470	6960	8179	9468	10068	10178	10582	11262	11622	10902	10012
1917-	10945	10482	10860	9902	9270	8811	9153	9429	11048	12940	12928	10816
1918-	4749	5176	5636	6558	7487	8777	9016	10176	10760	11557	12061	11855
1919-	10255	7472	6089	5464	5206	5145	5188	5118	4899	4586	4265	3990
1920-	6487	5870	5500	4985	4893	5269	6030	6487	7077	7214	6868	6349
1921-	14670	14220	14340	14695	15550	15973	17037	17258	17540	16818	16617	17625
1922-	11577	12915	12786	13520	14444	15650	16463	14815	13022	12475	10466	10142
1923-	6042	5198	4530	4716	4888	5297	6345	7213	8065	8744	9037	10502
1924-	1935	1858	2013	2026	1969	1634	1948	1302	1610	1463	1260	1293
1925-	8933	8046	7281	6584	5910	5445	4939	4668	4456	4555	4763	4857
1926-	2718	2626	2718	2576	2514	2497	2566	2340	2403	2135	2055	1939
1927-	6947	6653	6698	7545	8288	9452	12595	15620	17584	15675	14750	16150
1928-	8985	8113	7355	6921	6982	7153	6716	6596	6177	5303	5541	5158
1929-	4689	4708	4073	4456	4007	3865	4717	5046	5665	5839	5492	5378
1930-	6967	4563	4552	4368	4000	3929	4232	5477	6346	6983	6399	6619
1931-	3835	3636	3543	3254	2910	2647	2580	2501	2502	2161	2134	2028
1932-	5747	5425	5100	5332	6021	8061	7489	6278	5952	6154	6787	7159
1933-	11448	12048	12091	12508	11191	9955	10361	9261	9038	11474	11156	11117
1934-	2235	2292	2075	1917	1903	1614	1694	1788	1897	1628	1676	1636
1935-	8859	8727	8204	7712	7596	7983	8495	8603	8779	8648	7399	7437
1936-	9965	9828	8690	7783	7050	6627	7284	8334	7421	6245	5807	5408
1937-	4446	3857	3969	4140	4323	3737	3532	3159	3329	3796	3510	3291
1938-	12041	12283	13053	13791	13719	13699	13906	13723	13000	11393	9451	8936
1939-	4184	3820	3378	3153	2996	2498	2702	2364	2324	2327	2259	2226
1940-	6577	6623	6228	5771	5412	4936	4592	4410	4362	3753	3865	3782

JUNE

12	13	14	15	16	17	18	19	20	21	22	23
3430	3760	3590	3760	3590	3430	3120	2970	3120	3270	3590	4100
22900	29500	35500	32100	32100	32100	31200	30400	27000	27000	22900	19000
5170	5510	5680	6020	6020	5100	4530	3900	3900	3740	3900	4530
13900	10200	11300	10500	11300	13900	16100	17200	18700	15000	11300	10500
4940	4940	4940	4810	5730	4810	4230	4230	4230	4460	4340	3910
4270	3930	3710	3710	3930	4380	4600	4830	5280	5500	5280	4830
6840	6510	5950	5280	4380	4160	3940	3940	3740	3550	3550	3550
12700	11500	10500	10000	10500	10000	10000	7740	7110	6520	6240	6240
8800	8180	8480	8800	10100	10800	10400	10100	8960	8480	8180	7580
4920	5090	4930	4460	4000	3990	3650	3110	2930	3120	2990	2930
7430	7990	6900	6740	6600	6600	6000	5620	5400	5320	5180	5040
9320	9320	8850	8130	7410	6340	5740	5830	6170	7050	7770	7220
7770	8670	8310	4550	5180	8490	7770	6870	5830	5660	4860	4400
8230	8230	8230	11800	13000	12800	12800	12000	11600	9600	9200	8230
5950	5500	5350	5350	5200	5050	4900	4190	4050	4050	3840	3490
74100	15100	14700	15100	15000	14400	13500	14000	13900	13100	12500	12300
15300	14300	13800	12000	10500	9410	8770	8610	8950	9600	9300	8990
7600	7360	7120	6580	6060	5980	5600	5530	5160	4640	4500	4640
4160	4280	4280	4140	4720	5020	5320	5620	5320	5020	4720	4140
3428	3149	2848	2699	2666	2802	2798	2820	2743	2732	2609	2598
10012	9570	10158	11059	12138	13142	14280	15450	13190	10262	8651	7470
10816	9286	7885	8621	10266	11395	13840	14535	14566	13453	12962	11684
11855	12282	12601	11324	9414	7893	7507	7440	7170	6675	6964	6615
3990	3755	3557	3436	3383	3392	3334	3276	3154	3999	2937	2871
6349	6153	6119	6316	6708	6845	6440	5909	5372	5213	5177	5181
17625	16612	15901	13645	11422	8661	7218	7047	7591	7649	8270	8770
10142	10280	11675	16005	12185	11735	11621	11721	11290	11142	10158	8827
10502	9524	7543	5722	7972	5150	4877	5162	5152	5247	6730	6028
1293	1160	1265	1103	1194	1061	1009	944	998	989	984	976
4857	4997	5108	5234	5415	5470	5210	6540	6391	7203	8280	8590
1939	1807	1670	1581	1482	1379	1343	1274	1426	1364	1350	1304
16150	16294	15869	15574	14561	13880	12861	12882	13360	12600	12002	11701
5158	4911	4695	4404	4352	4304	3931	3857	3787	3733	3868	3825
5578	5359	5535	5797	6342	7305	6062	4896	4273	3946	4095	4135
6619	6288	5715	4867	4237	4229	4593	4238	3786	3579	3310	3101
2028	1619	1750	1578	1506	1531	1507	1428	1323	1261	1205	1185
7159	8423	8638	9594	11250	10637	9648	8333	8291	8168	7948	9118
11117	11423	12035	12093	12214	11586	9977	8216	7127	6552	6375	5944
1636	1635	1578	1526	1430	1350	1263	1172	1064	1047	1056	1023
7437	7305	6893	6609	5901	5174	4585	4679	4618	4706	4385	4288
5408	5523	5579	5326	5307	4841	4555	4223	4012	3679	3637	3379
3291	2979	2708	2697	2762	2797	2776	2610	2537	2601	2822	2965
8936	9236	9148	8857	8741	8587	8585	7465	6657	6267	6787	6962
2226	2131	2218	2211	2269	2305	2220	2001	1968	1876	1821	1683
3782	4243	4395	4385	4048	3864	3613	3570	3328	3012	2827	2612
											2354

Chart 2E

	22	23	24	25	26	27	28	29	30	31	TOTAL
70	3590	4100	4100	4100	4100	3930	3930	3930	3760		
00	22900	19000	15500	14300	14300	27000	11500	9520	9520		
40	3900	4530	3740	3600	3600	5740	3600	3460	3460		
80	5680	5680	5510	5170	4650	4650	3970	3800	3460		
00	11300	10500	12000	12000	11300	10500	11300	12200	11300		
60	4340	3910	3710	3520	3330	2980	2810	2480	2350		
000	5280	4850	4380	3710	3060	2880	2720	2880	3060		
550	3550	3550	3740	3550	3190	3030	2730	2660	2520		
520	6240	6240	5460	5220	5220	5100	4980	4980	4530		
480	8180	7580	6500	6010	5540	5540	5540	5770	5770		
120	2990	2930	2880	2880	2770	2670	2560	2390	2240		
320	5180	5040	4760	4760	4900	5040	5920	5040	4480		
7050	7770	7220	6510	6510	7770	7950	8670	9500	9220		
5660	4860	4400	4250	4180	5020	5830	5420	5100	5340		
9600	9200	8230	8040	7860	7500	7050	7680	7680	7680		
4050	3840	3490	3360	3360	3360	3360	3360	3230	3100		
3100	12500	12300	11200	9500	8750	8150	9160	8400	7970		
9600	9300	8990	9170	8710	8560	8260	7150	6400	6100		
4640	4500	4640	4640	4360	3940	3660	4080	3660	3400		
5020	4720	4140	3870	3730	3640	3540	3450	3360	3270		
3732	2609	2598	2578	2635	2581	2339	2045	1955	1920		
10242	8651	7470	7140	7652	8584	9314	9784	9420	7796		
13453	12962	11684	10581	10248	9269	9701	9485	9517	8933		
6675	6964	6615	6750	5485	4699	4072	3663	3394	3524		
3999	2937	2871	2719	2621	2430	2319	2248	2150	2078		
5213	5177	5181	5128	4799	4317	3859	3554	3342	3465		
7649	8270	8770	9205	9133	8310	6694	6628	7439	6826		
11142	10158	8827	7840	6940	6928	6536	6080	5557	5137		
5297	6730	6020	5878	5423	4917	5132	5037	5765	6268		
989	984	976	971	925	979	913	848	844	872		
7203	8280	8590	8012	7286	6438	6298	5927	5747	5902		
1364	1350	1304	1192	1123	1049	1099	1040	1031	935		
12600	12002	11701	11590	11419	11187	13198	9724	8546	7506		
3733	3868	3825	3952	4065	4037	4027	3594	3358	3328		152,828
3946	4095	4135	4073	3962	3936	4005	3839	3784	3699		142,948
3579	3310	3101	2872	2987	2604	2442	2394	2359	2241		128,691
1261	1205	1185	1133	1108	1016	898	722	687	742		55,431
8168	7948	9118	9447	8649	8662	7123	7040	6545	6073		229,112
6552	6375	5944	6374	5249	4887	4988	4345	4269	3797		269,099
1047	1056	1023	959	870	839	930	1017	1037	969		43,120
4706	4385	4288	4283	3743	3480	3281	3130	3051	3078		181,631
3679	3637	3379	3178	3253	2967	2866	2489	2357	2111		159,642
2601	2822	2965	2580	2294	2115	1911	1769	1838	1648		89,498
6267	6787	6962	6537	6114	6286	6412	6067	5592	5774		279,069
1876	1821	1683	1640	1637	1643	1546	1417	1398	1429		67,944
3012	2827	2612	2354	2123	2041	1855	1717	1899	1432		113,629

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	3590	3430	3430	3430	3120	3120	3430	3430	3270	3270	3120	3120
1896	9080	11500	12500	12500	11500	11000	10500	9980	9080	8660	8260	8260
1897	3460	4080	3600	3260	3260	3070	2880	2810	2420	2290	2360	2350
1898	3290	3120	2600	2600	2430	2600	2430	2430	2600	2600	2430	2600
1899	11300	10200	10200	9800	8690	7960	7780	8320	7780	7600	7300	7000
1900	2180	2040	1980	1910	1680	1620	1570	1460	1460	1520	1520	1520
1901	2880	2880	2880	2800	2430	2300	2300	2300	2180	2180	2070	1970
1902	2280	2400	2340	2660	2220	2110	2000	1900	1900	1950	1950	2000
1903	4310	3900	3520	3080	2990	3020	2990	2830	2610	2400	2400	2260
1904	5770	5540	5540	5540	4680	4680	4680	4680	4680	4090	3720	3370
1905	2150	2150	2060	1970	1870	1790	1710	1630	1550	1470	1430	1350
1906	4130	4270	4480	4550	4340	4200	4060	3860	3670	3420	3240	3180
1907	8940	8670	8850	9220	8940	7770	6000	6260	6990	6870	6510	6260
1908	5580	5660	5740	4400	5500	4940	4400	4400	4320	4100	3960	3560
1909	7680	7500	7500	6780	6260	6010	5770	5470	5170	3910	3720	3650
1910	2970	2780	2660	2600	2720	2360	2250	2140	2140	2030	1980	1880
1911	7230	6360	6100	6300	6350	6240	6280	5720	4880	4370	3950	3820
1912	5500	5050	4610	4050	3910	3770	3630	3490	3230	3100	2970	2970
1913	3530	3400	3270	3400	3140	3140	3140	3020	2770	2650	2420	2200
1914	3180	3030	2890	2760	3770	2960	2710	2470	2280	2200	2340	2160
1915	1899	1843	1780	1767	1672	1872	1894	2065	1762	2001	1666	1582
1916	7236	8410	8074	6851	6408	7015	7302	7394	7511	6736	6069	5816
1917	8343	8083	7952	8089	7896	7188	7099	6683	6293	5838	5125	4666
1918	3181	2916	2773	2605	2470	2176	2197	2210	2055	1968	1934	2086
1919	1934	1869	1728	1626	1537	1460	1448	1411	1384	1334	1272	1218
1920	3529	3574	3425	3139	2987	2825	2654	2470	2315	2167	2047	1998
1921	5928	5285	4216	4406	3896	3750	3922	3772	3731	3650	3313	3645
1922	4597	4132	4014	3657	3499	3258	3454	3009	2946	2656	2512	2506
1923	6345	6011	5031	5109	4710	4275	4065	3834	3931	3472	3246	3702
1924	789	695	686	684	675	629	650	615	615	563	554	590
1925	5650	4866	4388	4062	3889	3613	3299	2852	3004	2639	2536	2674
1926	944	927	880	861	826	812	800	780	824	829	841	774
1927	7214	6826	6685	6340	5880	4949	5104	5014	4905	4723	4366	4377
1928	2922	3023	2928	2683	2796	2729	2403	2319	2309	2102	2098	2084
1929	3459	3250	2814	2599	2363	2282	2149	2042	1917	1860	1793	1686
1930	2096	1895	1887	1913	1846	1799	1709	1599	1490	1414	1403	1429
1931	730	780	726	704	655	637	634	635	632	631	646	645
1932	5403	5232	4606	3919	3729	3321	2775	2850	2956	2703	2467	2595
1933	3548	2842	2789	2615	2584	2423	2312	2142	2093	2005	1803	1648
1934	914	878	858	823	780	763	728	737	714	675	684	639
1935	2696	2493	2479	2280	2287	2144	2301	2041	1898	1746	1630	1669
1936	2004	1849	1680	1686	1614	1638	1552	1528	1379	1493	1522	1550
1937	1701	1497	1437	1252	1358	1258	1244	1248	1218	1200	1109	1039
1938	6644	5707	5906	5470	5398	5031	4585	4216	3980	3947	3606	3538
1939	1347	1354	1301	1285	1388	1464	1389	1329	1264	1131	1072	1056
1940	1470	1571	1481	1482	1526	1422	1394	1353	1196	1165	1149	1096

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1	12	13	14	15	16	17	18	19	20	21	22	
20	3120	3120	3120	3120	3120	2830	1870	1870	1770	1680	1680	15
60	8260	7510	7150	6490	5910	4890	4470	4100	3120	2560	1870	25
60	2350	2290	2290	2290	2160	2160	2290	2160	1900	1840	1640	19
30	2600	2260	2260	2090	1920	1750	1660	1580	1490	1400	1320	123
800	7000	6700	6120	5580	5060	4820	4580	4480	4160	4160	3760	356
520	1520	1460	1410	1270	1270	1230	1190	1160	1100	1080	1080	105
070	1970	1970	1870	1780	1780	1696	1640	1600	1600	1540	1510	1560
950	2000	2060	1950	1900	1850	1800	1700	1700	1610	1520	1350	1190
100	2260	2400	2330	2260	2400	2470	2400	2010	1950	2010	2130	2010
720	3370	3210	3050	2900	2670	2500	2500	2440	2380	2380	2380	2440
430	1350	1270	1210	1170	1140	1070	1030	1010	990	970	950	930
240	3180	2950	2780	2510	2350	2200	2060	1950	1780	1660	1590	1660
510	6260	6260	5420	5100	4700	4480	4250	4250	4320	4100	3950	3820
960	3560	3430	3690	3960	3070	2470	2420	2320	2170	2120	2030	2030
720	3650	3410	3170	3050	2930	2810	2590	2540	2370	2200	2150	2050
980	1880	1830	1780	1730	1680	1380	1550	1550	1420	1420	1420	1340
950	3820	3680	3540	3540	3480	3280	3150	2960	2710	2590	2420	2300
970	2970	2840	2840	2720	2600	2480	2480	2480	2250	2250	2030	2030
420	2200	2100	1990	1890	1800	1710	1710	1620	1710	1620	1620	1620
340	2160	1980	2010	1840	1780	1710	1620	1540	1550	1810	1630	1470
666	1582	1539	1570	1370	1162	1228	1197	1111	1102	1041	1007	960
069	5816	5584	5211	4830	4471	4661	4001	3584	3258	3110	2894	2704
6125	4666	4300	3940	3492	3222	3052	2971	2744	2579	2380	2210	2055
934	2086	1858	1735	1698	1819	1718	1480	1719	1651	1566	1585	1272
1272	1218	1122	1094	1119	1087	1047	940	914	863	888	835	770
2047	1998	1990	1889	1752	1589	1537	1431	1424	1360	1333	1270	1243
3313	3645	2956	2907	2538	2670	2392	2293	2277	2086	1840	2042	1872
2512	2506	2385	2241	2007	2334	1919	1936	1861	1838	1891	1776	1739
3246	3762	3204	3249	3091	2602	2790	2609	2362	2191	2148	2125	1893
554	590	587	580	561	540	523	522	531	544	544	544	544
2536	2674	2361	2203	2092	2054	1884	1917	1803	1793	1619	1735	2095
841	774	739	672	681	646	689	638	639	600	542	497	494
1366	4377	4170	3847	3643	3553	3168	3209	2923	2887	2756	2365	2375
2098	2084	1974	1920	1875	1856	1845	1733	1627	1567	1475	1455	1421
1793	1686	1602	1480	1415	1354	1355	1252	1221	1092	1078	1060	981
1403	1429	1356	1335	1261	1219	1199	1139	1084	987	965	989	950
646	645	618	603	595	598	576	555	552	516	496	455	450
2467	2595	2242	2710	2887	2349	1977	2035	1902	2203	1820	1761	1717
1803	1648	1548	1427	1415	1299	1253	1270	1209	1113	1059	1017	1018
684	639	558	528	513	554	560	552	563	524	512	463	496
1630	1669	1715	1652	1548	1480	1436	1378	1245	1214	1149	1144	1103
1522	1550	1544	1481	1344	1263	1224	1216	1173	1144	1092	1113	1103
1109	1039	964	897	849	863	855	923	858	861	801	781	779
3606	3538	3017	3060	2911	2940	2934	2684	2491	2264	2223	2109	1931
1072	1056	1033	973	946	909	869	854	831	793	772	770	771
1149	1096	1062	1020	968	944	876	871	845	836	826	812	772

21	22	23	24	25	26	27	28	29	30	31	TOTAL
1680	1680	1510	1430	1350	1350	1350	1280	1350	1350	1280	
2560	1870	2560	3120	3120	2310	2080	1870	2310	2310	2190	
1840	1640	1980	1840	1770	1640	1640	1580	1510	1380	1440	
1400	1320	1230	1150	1060	978	892	892	892	978	892	
4160	3760	3560	2980	2980	2780	2580	2580	2390	2490	2390	
1080	1080	1050	1050	1120	1120	1050	1050	990	978	960	
1540	1510	1560	1600	1560	1510	1350	1200	1130	1080	1060	
1520	1350	1190	1190	1190	1126	1120	1120	1120	1120	1040	
2010	2130	2010	1900	1900	1780	1780	1570	1470	1380	1330	
2380	2380	2440	2260	2140	1920	1810	1810	1810	1700	1600	
970	950	930	880	860	840	820	820	810	780	750	
1660	1590	1660	1740	1410	1370	1310	1300	1260	1240	1200	
4100	3950	3810	3600	3460	3270	3200	3340	3270	3020	2840	
2120	2030	2030	1850	1810	1690	1580	1540	1470	1440	1330	
2200	2150	2050	1970	1870	1820	1970	2080	1820	1680	1500	
1420	1420	1340	1300	1260	1230	1160	1160	1130	1100	1070	
2590	2420	2500	2190	2080	2020	1970	1860	1760	1720	1670	
2250	2030	2030	1830	1830	1640	1640	1550	1460	1430	1930	
1620	1620	1620	2310	3940	3800	3400	3140	2650	2420	2200	
1810	1630	1470	1470	1395	1320	1250	1250	1270	1210	1210	
1041	1007	960	929	892	871	870	845	831	813	849	
3110	2894	2704	2591	2465	2424	2274	2162	2050	1944	1869	
2380	2210	2055	2047	1881	1789	1743	1716	1640	1574	1514	
1566	1585	1272	1111	1283	1265	1192	1118	1054	1241	1327	
888	835	770	762	747	746	729	747	741	743	753	
1333	1270	1243	1180	1119	1109	1116	1140	1042	1046	962	
1840	2042	1872	1694	1812	1677	1600	1436	1345	1389	1354	
1891	1776	1739	1662	1599	1575	1450	1421	1442	1370	1347	
2148	2125	1893	1950	2277	1986	1790	1772	1538	1484	1462	
544	544	544	544	544	520	500	470	450	430	425	
1619	1735	2095	1675	1532	1380	1410	1433	1233	1350	1258	
542	497	494	493	485	465	459	442	429	429	429	
2756	2365	2375	2078	2232	1979	2061	1834	1808	1930	1649	
1475	1455	1421	1390	1300	1244	1243	1236	1222	1223	1144	
1078	1060	981	987	949	923	875	845	846	811	804	49,144
965	989	950	928	888	841	855	823	822	774	722	39,617
496	455	450	435	423	418	405	406	389	384	406	17,335
1820	1761	1717	1618	1507	1404	1412	1324	1328	1243	1152	71,149
1059	1017	1018	996	985	945	913	888	886	881	879	49,805
512	463	496	478	461	440	421	413	427	427	441	18,626
1149	1144	1103	1073	1021	993	1015	988	960	943	946	48,667
1092	1113	1103	1098	1100	1076	1068	1062	966	880	837	41,279
801	781	779	732	729	710	705	683	640	622	597	30,410
2223	2109	1931	1925	1773	1805	1736	1646	1725	1697	1484	100,383
772	770	771	795	778	690	669	648	670	659	630	30,440
826	812	772	786	752	792	729	731	757	790	760	32,234

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1895	1280	1210	1210	1210	1210	1140	1140	1140	1070	1070	1070	1070	1070
1896	2190	1870	2190	1770	1680	1680	1590	1590	1590	1510	1510	1350	1280
1897	1380	1380	1250	1320	1320	1320	1320	1250	1250	1180	1180	1180	1120
1898	992	1060	892	892	892	892	892	892	892	892	892	806	806
1899	2390	2060	2060	2060	2060	2060	2200	2390	2390	2060	1940	1940	1760
1900	930	920	905	905	895	905	895	895	895	830	822	855	870
1901	1060	1060	1060	1050	1010	955	860	758	758	758	800	830	818
1902	1040	970	900	900	830	900	900	830	527	575	635	830	865
1903	1240	1200	1110	1070	1280	865	905	828	828	828	828	828	790
1904	1560	1500	1500	1500	1450	1600	1550	1660	1660	1160	1160	1120	1120
1905	820	760	760	760	760	760	700	675	650	650	650	650	650
1906	1160	1110	1160	1160	960	920	920	880	845	810	780	750	810
1907	2670	2500	2450	2340	2140	2040	1940	1900	1800	1760	1720	1640	1600
1908	1330	1400	1160	1330	1160	1190	1220	1160	1190	960	990	1050	930
1909	1590	1500	1410	1320	1310	1270	1230	1190	1190	1190	1110	1070	1030
1910	1070	1040	1020	990	990	990	965	965	940	940	915	890	890
1911	1580	1540	1540	1500	1460	1410	1340	1370	1340	1300	1260	1260	1200
1912	2860	2250	2030	2030	1830	1640	1550	1460	1460	1380	1300	1300	1300
1913	1990	1890	1800	1710	1710	1800	1710	1620	1620	1540	1460	1380	1380
1914	1210	1210	1140	1280	1210	1140	1140	1070	1000	1000	1000	1000	937
1915	939	897	840	791	762	748	747	729	707	693	679	679	651
1916	1807	1734	1667	1620	1568	1512	1463	1423	1391	1368	1322	1294	1264
1917	1464	1400	1363	1371	1302	1273	1238	1203	1150	1096	1066	1035	1008
1918	994	1055	1032	1121	1073	846	851	901	893	958	916	830	814
1919	740	678	642	607	607	627	643	649	666	628	613	628	670
1920	924	882	831	767	713	702	782	740	765	693	693	645	621
1921	1388	1332	1387	1280	1111	1226	1195	1289	1231	1285	1267	1328	1109
1922	1349	1373	1328	1420	1572	1481	1330	1250	1070	1104	1129	1074	1003
1923	1490	1290	1417	1278	1177	1097	1273	1407	1117	985	1221	1182	1091
1924	427	439	404	408	404	404	407	385	410	379	384	392	386
1925	1118	1146	1078	1167	1157	1061	1006	1093	1058	934	951	982	1177
1926	481	457	434	443	419	429	435	439	477	505	511	509	516
1927	1622	1601	1515	1461	1422	1425	1364	1314	1238	1179	1180	1166	1197
1928	1106	1109	1099	1085	1061	1021	1042	1045	1057	982	885	796	793
1929	796	818	837	808	778	695	711	628	616	582	632	638	601
1930	686	654	648	669	687	681	717	682	707	714	819	925	922
1931	439	478	459	458	426	405	385	375	365	355	355	355	360
1932	1146	1124	1120	1061	1020	974	1006	968	943	891	918	905	898
1933	870	864	861	849	845	800	720	690	686	727	698	670	606
1934	442	448	456	435	434	420	409	359	335	325	315	352	367
1935	909	871	848	822	828	807	754	745	699	666	655	627	594
1936	812	826	853	844	800	758	712	682	645	644	669	758	811
1937	564	528	532	481	486	471	472	449	482	486	468	460	437
1938	1539	1425	1352	1359	1346	1361	1321	1259	1208	1165	1112	1122	1086
1939	643	635	613	582	580	516	515	507	481	511	479	493	499
1940	736	703	647	651	644	622	632	572	536	510	476	509	468

AUGUST

12	13	14	15	16	17	18	19	20	21	22	23
1070	1070	1070	1070	1010	1010	950	950	950	950	890	890
1350	1280	1210	1210	1210	1210	1070	1070	1010	1010	950	1010
1180	1120	1120	1120	1060	990	990	925	925	860	795	860
806	806	806	721	721	550	550	721	721	721	721	550
1940	1760	1700	1700	1700	1700	1580	1520	1580	1700	1820	1820
855	870	880	845	830	845	830	822	830	822	822	855
830	818	830	800	830	818	800	800	818	830	830	800
830	865	879	886	865	830	830	830	795	795	774	760
828	790	790	790	768	828	752	752	715	715	715	715
1120	1120	1120	1100	1070	1100	1070	1100	1070	1160	1160	1160
650	650	625	625	625	625	625	625	600	600	580	580
750	810	840	810	750	750	725	675	700	700	750	845
1640	1600	1520	1480	1440	1400	1360	1320	1320	1280	1210	1280
1050	930	960	1220	1050	1080	990	990	960	990	990	1020
1070	1030	1000	960	930	950	920	920	950	850	820	790
890	890	890	890	890	890	890	870	860	830	850	830
1260	1200	1200	1160	1130	1130	1100	1100	1100	1070	1070	1070
1300	1300	1250	1230	1230	1160	1160	1160	1160	1160	1100	1040
1380	1380	1310	1310	1310	1230	1160	1160	1160	1160	1020	1020
1000	937	937	937	873	873	873	873	873	873	812	812
679	651	640	636	640	618	577	582	588	582	578	579
1294	1264	1239	1207	1198	1251	1277	1390	1287	1234	1187	1138
1035	1008	997	971	969	1010	1093	1076	1007	967	925	905
830	814	895	875	964	1064	1021	981	893	820	700	809
628	670	667	624	621	585	593	563	556	546	537	543
645	621	578	553	571	579	595	558	526	480	504	553
1328	1109	1069	1074	996	975	998	928	802	906	762	879
1074	1003	980	989	926	961	943	987	935	910	883	862
1182	1091	1055	854	1103	1030	898	829	1027	1612	1212	1070
392	386	366	376	376	370	370	370	413	461	431	415
982	1177	1208	1278	1096	1073	974	1004	1023	908	901	817
509	516	509	496	479	465	460	528	642	674	644	570
1166	1197	1234	1336	1420	1381	1326	1278	1217	1165	1068	1055
796	793	773	784	782	768	740	744	751	727	739	694
638	601	564	522	501	479	446	488	503	506	532	517
925	922	929	893	904	802	771	745	733	730	700	597
355	360	360	360	360	360	360	360	360	360	360	349
905	898	835	846	827	778	769	719	683	621	626	656
670	606	576	566	577	602	583	576	539	517	490	523
352	367	385	393	380	380	372	356	357	356	343	342
627	594	568	568	561	553	571	590	579	581	571	543
758	811	855	910	878	768	706	630	570	593	593	595
460	437	385	365	350	346	359	383	375	358	350	333
1122	1086	1056	1065	1086	1091	1065	1041	1011	1010	1046	1044
493	499	502	493	466	416	380	394	364	353	365	378
509	468	470	498	461	454	433	416	415	443	457	424

22	23	24	25	26	27	28	29	30	31	TOTAL
890	890	890	890	890	890	950	890	890	890	
950	1010	1010	950	1010	950	1010	1010	1070	1210	
795	860	860	860	990	990	990	990	990	860	
721	550	550	550	550	550	550	550	636	550	
1820	1820	1700	1580	1460	1400	1220	1220	1100	1100	
822	855	880	905	870	855	855	822	830	830	
830	800	800	740	770	740	786	770	800	770	
774	760	760	750	728	728	728	695	695	708	
715	715	715	715	752	790	865	905	828	790	
1160	1160	840	840	750	682	682	682	930	930	
580	580	580	580	580	580	580	560	560	560	
750	845	920	880	780	780	725	780	780	750	
1210	1280	1320	1400	1400	1400	1400	1320	1240	1210	
990	1020	990	900	900	870	870	870	870	870	
820	790	790	820	760	730	705	780	910	850	
850	830	830	830	830	850	830	850	830	850	
1070	1070	1070	1040	1040	1020	1020	1020	1020	993	
1100	1040	1040	1040	1040	1040	1040	990	990	990	
1020	1020	1020	1020	1020	1020	1020	1020	956	956	
812	812	806	800	794	788	782	776	776	776	
578	579	598	620	595	591	569	534	536	538	
1187	1138	1081	1055	1021	1002	1000	983	1052	1016	
925	905	881	849	831	874	862	827	809	790	
700	809	925	848	850	807	817	879	930	784	
537	543	522	494	492	482	484	490	502	503	
504	553	624	620	592	604	632	657	670	639	
762	879	619	748	831	780	747	551	687	683	
883	862	827	804	825	846	836	854	867	887	
1212	1070	1135	684	1051	892	884	815	779	821	
431	415	401	387	374	365	361	386	381	381	
901	817	802	874	754	750	664	821	735	755	
644	570	514	503	498	494	483	459	470	488	
1068	1055	980	965	908	918	903	855	844	856	
739	694	674	671	614	634	623	639	648	645	
532	517	511	496	486	515	524	538	556	587	18,411
700	597	567	546	517	498	519	536	566	564	21,628
360	349	349	347	345	340	353	353	347	340	11,578
621	656	700	718	687	675	675	719	784	814	26,106
517	490	523	540	545	585	625	636	605	617	20,141
343	342	350	350	350	357	350	350	360	383	11,311
571	543	508	486	483	478	484	515	520	527	19,511
593	595	604	605	603	605	592	572	547	576	21,626
350	333	336	337	344	375	425	408	426	427	12,998
1046	1044	1048	1036	1039	1005	984	952	947	898	35,079
365	378	370	378	381	385	387	399	431	424	14,320
457	424	456	438	466	450	443	442	430	438	15,740

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	830	830	830	890	890	890	890	890	890	950	1070	1070
1896	1210	1210	1070	1010	950	950	950	890	890	890	950	950
1897	860	990	990	990	1120	1120	1120	990	990	1120	1120	1120
1898	550	550	636	636	636	636	636	636	636	721	721	721
1899	1340	1340	1340	1340	1280	1220	1220	1220	1220	1220	1220	1100
1900	810	810	802	810	930	990	905	855	855	870	905	822
1901	770	770	770	830	830	800	800	800	800	770	770	770
1902	728	728	695	695	665	665	653	635	635	665	695	665
1903	828	752	715	715	715	715	715	715	715	715	715	828
1904	840	622	622	622	622	622	280	280	280	280	840	840
1905	560	560	560	560	560	560	560	560	560	560	560	560
1906	750	750	780	725	700	700	675	675	675	675	675	675
1907	1210	1240	1240	1280	1210	1240	1180	1100	1070	1040	1070	1100
1908	870	840	810	810	782	810	840	990	930	870	900	930
1909	1020	1170	1250	750	1050	1170	1170	1090	1010	940	970	970
1910	830	850	850	850	830	850	830	830	810	810	780	780
1911	993	969	969	969	993	1020	1070	1070	1070	1020	993	993
1912	1040	1100	1040	1230	1300	1160	1160	1160	1160	1100	1040	1160
1913	956	892	956	956	892	892	892	892	956	1160	1020	956
1914	718	817	718	718	718	718	718	718	718	718	718	718
1915	678	868	753	675	660	653	646	619	624	627	632	609
1916	976	944	940	969	962	944	933	916	929	1025	1006	988
1917	781	766	783	754	741	731	725	713	698	683	694	701
1918	752	718	858	725	659	520	623	619	655	878	1037	1044
1919	502	493	503	511	511	500	504	524	542	546	523	495
1920	684	653	657	590	517	473	464	519	544	555	565	588
1921	756	718	733	730	774	842	721	686	726	680	693	632
1922	940	969	947	927	905	865	845	823	807	801	797	793
1923	832	859	770	817	766	797	714	631	716	685	679	628
1924	386	381	381	390	377	395	390	391	385	394	395	380
1925	743	736	669	658	544	686	825	1055	950	903	905	796
1926	518	524	515	497	491	475	476	466	469	463	456	449
1927	885	890	867	878	889	835	813	755	783	817	830	971
1928	672	642	652	626	593	621	615	626	639	657	676	691
1929	594	584	554	520	519	524	526	526	541	587	566	557
1930	551	549	533	533	500	500	500	500	541	537	549	622
1931	342	342	342	332	331	353	322	322	335	340	365	365
1932	828	840	815	803	777	719	693	673	655	681	668	723
1933	675	672	630	580	570	565	584	569	578	557	589	574
1934	424	442	427	408	374	363	370	376	383	380	377	399
1935	498	482	456	482	513	543	559	524	519	515	505	496
1936	602	629	671	681	734	842	879	878	830	724	675	658
1937	447	468	450	430	431	411	445	468	436	417	420	391
1938	582	901	572	886	855	821	819	809	837	831	835	807
1939	433	435	437	436	447	456	462	470	477	476	482	476
1940	408	423	439	469	796	651	674	625	642	648	603	576

SEPTEMBER

	12	13	14	15	16	17	18	19	20	21	22	23
70	1070	1070	1070	1140	1140	1070	1010	950	1010	950	950	950
50	950	890	950	950	950	890	890	830	890	890	830	890
0	7120	1250	1250	1120	1120	1120	990	990	990	1120	1120	1120
1	721	721	721	721	721	721	636	550	550	550	550	721
0	1100	1100	1100	1220	1220	1160	1100	1100	1100	1100	1050	1050
5	822	822	810	930	810	822	830	870	855	845	830	845
0	770	740	770	770	800	770	800	770	770	830	860	920
95	665	635	665	695	665	635	665	695	695	695	695	695
15	828	945	945	945	905	828	790	715	715	715	752	730
40	840	840	840	840	840	840	750	795	750	840	750	840
60	560	560	560	560	560	560	580	580	580	580	580	580
75	675	780	810	750	725	700	700	675	675	650	625	625
70	1100	1070	1040	1040	1000	1000	965	1000	965	930	965	930
00	930	900	870	840	930	990	1260	1120	1020	990	960	930
70	970	1000	910	870	840	840	840	840	840	780	790	850
80	780	780	810	965	1100	1380	1230	1230	1100	1040	990	940
93	993	969	969	947	947	969	969	969	993	993	993	993
40	1160	1160	1160	1100	1100	1100	1160	1160	1100	1040	1040	1040
20	956	892	892	830	830	830	892	892	886	880	873	1000
18	718	836	836	1030	1170	1100	1100	1100	1030	1100	1030	963
32	609	679	632	656	665	648	630	631	607	607	597	594
006	988	957	925	917	905	880	855	843	843	856	831	821
594	701	705	765	772	736	715	699	679	667	647	655	720
037	1044	856	912	900	1008	927	948	936	1527	917	791	822
523	495	470	464	491	523	591	736	797	739	712	506	624
565	588	528	570	620	725	708	673	749	638	630	630	648
623	632	748	867	947	767	717	751	859	883	1037	1108	1031
797	793	767	756	735	715	715	715	745	785	756	756	756
679	628	753	645	701	697	652	598	640	638	645	639	652
395	380	386	382	398	388	388	387	402	434	455	568	459
905	796	916	768	832	856	833	770	731	768	877	874	747
456	449	451	460	461	460	526	521	423	505	598	499	499
830	971	1010	1045	1046	1015	1046	976	979	884	886	866	869
676	691	761	799	816	815	775	726	690	692	690	691	699
566	557	545	506	481	477	477	477	477	484	493	513	518
549	622	679	707	730	662	595	578	549	543	526	512	521
365	365	378	580	384	380	376	371	379	437	463	442	450
668	723	760	760	767	685	711	657	625	625	619	648	647
589	574	553	547	517	555	570	538	589	585	564	551	546
377	399	405	398	436	444	467	377	378	376	374	378	384
505	496	485	484	476	485	495	503	497	493	500	500	490
675	658	638	626	628	622	648	644	647	645	654	662	723
420	391	402	402	410	405	420	428	417	425	431	443	443
835	807	796	759	791	765	754	767	723	726	706	711	707
482	476	511	647	627	597	626	620	582	550	584	579	550
603	576	562	784	696	694	659	647	680	820	851	725	749

	22	23	24	25	26	27	28	29	30	31	TOTAL
0	950	950	950	1010	1010	950	950	950	950		
0	830	890	1010	1070	1040	1010	1010	950	890		
0	1120	1120	1120	1120	860	860	860	860	860		
0	350	721	636	721	636	636	636	721	721		
0	1050	1050	1050	1050	986	986	986	986	986		
5	830	845	830	855	870	888	880	870	880		
0	860	920	990	990	976	976	890	890	860		
5	695	695	695	695	695	695	695	695	728		
5	752	750	715	715	715	715	828	828	828		
0	750	840	840	840	840	930	930	930	930		
0	580	580	580	600	600	625	625	650	650		
0	625	625	625	625	625	625	625	625	625		
30	965	950	950	900	900	810	870	870	870		
30	960	930	930	930	960	990	930	930	900		
80	790	850	850	880	850	850	920	1070	1230		
40	990	940	940	965	965	965	965	965	965		
93	993	993	993	993	993	993	993	993	1020		
40	1040	1040	1040	1040	1040	1040	1040	1040	990		
80	873	1000	867	867	918	855	849	842	836		
100	1030	963	963	963	898	898	898	898	898		
607	597	594	596	592	600	839	772	708	689		
856	831	821	814	814	814	820	808	809	819		
647	655	720	951	829	773	739	719	690	744		
817	791	822	884	894	911	889	841	825	835		
712	506	624	616	619	614	609	599	592	586		
630	630	648	733	901	851	841	824	815	824		
037	1108	1031	901	933	942	934	855	885	856		
756	756	756	783	762	762	849	752	769	790		
645	639	652	670	581	691	875	925	843	735		
455	569	459	454	463	531	521	517	502	495		
877	874	747	823	771	833	744	811	766	662		
598	499	499	499	509	502	521	521	510	520		
886	866	869	895	877	962	946	1011	1094	1296		
690	681	689	684	684	684	684	684	684	684		
493	573	578	535	570	562	652	602	629	630		
526	512	521	563	617	640	643	627	626	627		16,244 17,360
463	442	430	502	574	535	503	488	470	460		12,023
619	648	647	645	651	640	634	660	644	630		20,873
564	551	546	597	577	611	667	698	694	666		17,778
374	378	384	445	462	469	484	493	500	490		12,483
500	500	490	490	507	507	507	495	510	510		15,026
654	662	713	720	721	649	610	615	606	617		20,468
431	443	443	444	450	452	452	447	445	449		12,979
706	711	707	715	684	686	687	687	710	733		23,262
584	579	550	550	530	579	509	481	444	411		16,404
851	725	749	713	648	656	579	616	669	791		19,493

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	950	950	950	950	890	890	890	890	950	950	950	950
1896	890	950	830	830	890	830	950	890	830	830	890	830
1897	860	925	925	925	925	925	990	925	925	990	1060	1120
1898	550	636	721	721	721	721	721	721	721	892	978	892
1899	986	986	986	986	986	986	986	1050	1050	1050	1050	1100
1900	880	930	930	930	1050	1120	990	960	930	930	930	930
1901	860	860	941	990	1020	1080	990	1020	990	890	890	890
1902	728	728	708	708	695	695	695	695	695	695	695	695
1903	865	905	905	945	1020	1200	1200	1110	1110	1020	1020	1110
1904	930	885	750	682	750	840	930	930	975	1020	1020	1020
1905	650	650	625	625	625	600	600	650	650	675	675	675
1906	625	600	625	675	725	725	700	650	650	625	625	650
1907	900	900	900	900	900	900	900	900	930	965	900	870
1908	870	870	870	900	900	900	870	870	840	840	840	840
1909	1070	1030	950	1030	1120	1120	1120	1120	1080	1030	1000	1000
1910	965	965	990	1340	1300	1100	1070	1040	1020	1020	990	990
1911	990	1095	1140	1095	1060	1060	1095	1035	1010	1060	1265	1170
1912	990	990	990	990	1070	1230	1160	1100	1130	1100	1070	1070
1913	836	830	824	824	824	824	1080	1370	1300	1150	1080	1080
1914	898	961	1170	1100	1030	1030	1030	1030	1030	1030	1100	1030
1915	635	663	665	710	697	686	677	672	664	672	682	666
1916	909	1009	980	954	949	925	988	1077	1003	984	1022	1038
1917	732	730	721	721	719	705	695	701	698	698	692	687
1918	867	891	909	893	817	576	1013	1346	1312	1178	1095	1049
1919	611	838	973	1080	972	875	822	817	815	841	774	763
1920	828	823	803	786	746	730	766	839	886	803	1048	1180
1921	865	872	890	879	858	937	961	861	878	975	1002	908
1922	789	783	791	764	764	764	771	785	785	764	757	778
1923	841	762	732	738	1013	1078	1043	1393	1199	1087	1001	945
1924	483	476	521	657	576	550	540	533	541	538	610	621
1925	970	833	752	731	866	899	1252	1035	998	927	808	1069
1926	553	544	538	549	529	530	525	528	528	538	528	556
1927	1309	1312	1227	1273	1299	1085	824	1444	1150	1014	1100	1048
1928	642	667	663	636	845	925	824	771	814	808	811	811
1929	580	607	590	562	563	510	620	581	630	598	600	598
1930	861	1023	1048	991	790	869	985	900	1655	1374	1028	1058
1931	486	460	448	441	426	442	466	485	417	451	465	456
1932	627	630	630	630	630	630	630	746	749	752	741	734
1933	628	619	598	587	572	637	626	610	592	910	953	787
1934	493	475	457	455	451	464	471	507	536	557	556	515
1935	518	518	491	516	493	498	498	515	496	517	516	532
1936	620	626	602	578	580	608	592	617	605	627	573	556
1937	466	480	470	497	471	483	434	540	485	524	516	509
1938	808	931	997	1136	1012	891	935	960	946	899	952	865
1939	417	470	543	614	658	678	712	757	769	697	658	661
1940	773	929	1193	1252	1102	1023	883	878	827	830	738	791

OCTOBER

12	13	14	15	16	17	18	19	20	21	22	23
950	950	950	890	890	890	890	950	950	890	890	890
830	830	830	890	830	830	890	890	830	830	890	890
1120	1120	1060	1060	1060	990	990	1060	925	990	990	990
892	892	978	892	892	892	892	892	892	892	892	978
1100	1100	1160	1160	1160	1220	1460	1880	2060	2390	2060	1940
930	920	920	905	905	880	905	1020	1020	1360	1190	1410
890	890	890	890	878	860	860	860	860	860	878	860
695	695	695	695	695	695	695	695	695	695	728	760
1110	1070	1070	1020	945	945	865	865	865	865	865	865
1020	975	930	930	1120	1120	1120	1160	1020	1020	948	930
675	675	700	700	730	760	730	700	675	700	730	730
650	700	675	625	675	700	725	700	700	700	700	700
870	965	1110	965	965	930	930	930	930	930	930	930
840	870	900	2580	2030	1470	1330	1220	1260	1400	990	1120
1000	970	930	930	950	950	950	990	1100	1070	1030	990
990	990	990	990	990	1020	1130	1040	1020	1020	990	990
1170	1170	1170	1170	1110	1095	1060	1060	1060	1035	1035	1035
1070	1070	1040	1040	1040	1040	1040	1040	1040	1040	990	1070
1080	1150	1220	1080	1020	1080	1020	1020	1020	1080	1080	1020
1030	1030	1030	961	961	961	1170	1410	1330	1410	1410	1330
666	695	702	708	700	691	696	687	679	683	680	668
1038	987	964	941	933	934	941	940	919	926	922	902
687	690	690	726	775	764	772	714	779	791	760	778
1049	1024	980	968	1009	1127	1245	1186	1102	1088	1153	1015
763	719	749	723	750	784	813	768	727	742	727	725
1180	1288	1203	1230	1215	1190	1079	1037	1088	1038	1035	990
908	835	786	728	645	750	1022	934	972	921	908	912
778	835	880	831	803	794	773	794	796	796	800	1155
945	912	827	804	861	973	1019	1010	943	973	973	1402
621	596	584	590	586	549	596	565	603	563	557	561
1069	1220	1147	1030	1179	1076	928	990	943	861	919	835
556	540	523	560	571	569	591	524	562	592	570	571
1048	941	927	1071	923	925	953	874	1077	708	864	1036
811	860	850	840	846	840	819	771	800	674	943	800
598	697	688	798	669	662	720	663	670	645	644	631
1058	826	877	806	785	748	654	693	638	688	734	917
456	444	446	437	456	506	501	478	488	518	508	573
734	715	708	714	686	695	907	892	698	879	627	705
787	729	599	761	833	592	591	587	597	609	595	610
515	451	378	539	550	556	554	560	566	575	619	717
532	535	541	534	474	521	577	581	554	536	481	636
556	746	641	585	654	631	638	638	656	618	728	640
509	494	491	491	520	885	1130	924	730	680	634	624
865	979	924	906	1155	1261	1207	1142	1082	1067	996	956
661	663	618	602	628	622	614	602	619	656	627	629
791	764	720	783	667	728	730	682	710	757	695	685
											795

Chart 21

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	890	890	890	950	950	950	890	890	890	890	920	
	830	890	890	890	830	830	950	950	950	830	1010	
	990	990	990	1120	1250	1250	1120	1060	1060	1060	1060	
	892	892	978	978	892	892	978	978	978	978	978	
	2390	2060	1940	1820	1580	1460	1460	1460	1460	1460	1340	
	1360	1190	1410	1230	1120	1120	1120	1070	1080	1050	1050	
	860	878	860	860	860	860	860	955	990	920	920	
	695	728	760	830	900	900	865	830	795	760	760	
	865	865	865	865	842	790	790	828	842	842	828	
	1020	948	930	930	930	930	975	930	930	930	930	
	700	730	730	760	790	760	730	730	730	730	730	
	700	700	700	700	700	700	700	725	725	725	725	
	930	930	930	930	900	900	900	965	965	965	1040	
	1400	990	1120	1080	1080	1080	1080	1080	1080	1080	1080	
	1070	1030	990	990	990	990	950	990	1030	990	1110	
	1020	990	990	990	965	965	965	940	940	940	940	
	1035	1035	1035	1035	1060	1060	1060	1035	1010	990	1010	
	1040	990	1070	1100	1040	1040	1100	1300	1265	1195	1100	
	1080	1080	1020	1020	1020	1020	1020	1020	950	950	950	
	1410	1410	1330	1230	1230	1190	1190	1190	1100	1100	1170	
	683	680	668	681	690	707	708	695	693	700	653	
	926	922	902	898	934	936	936	939	922	921	920	
	791	760	778	774	789	800	805	785	789	643	878	
	1088	1153	1015	984	985	969	930	1017	1098	1169	1151	
	742	727	725	718	750	717	694	653	661	678	705	
	1038	1035	990	980	956	925	928	933	935	800	795	
	921	908	912	821	904	869	958	1057	923	993	922	
	796	800	1155	1017	984	1063	992	906	1058	719	793	
	973	973	1402	1287	1064	1033	1005	968	977	908	925	
	563	557	561	540	550	538	544	683	1314	1303	1141	
	861	919	835	838	827	900	865	798	833	977	894	
	592	570	571	523	587	570	565	664	691	610	612	
	708	864	1036	1104	1009	1098	1381	1543	1445	1157	1386	
	674	943	800	779	713	760	794	780	870	900	1012	24,926
	645	644	631	631	631	631	635	637	689	648	650	19,678
	688	734	917	771	803	842	815	729	821	746	781	27,256
	518	508	573	639	639	637	654	602	556	596	591	15,712
	879	627	705	1101	761	682	752	760	723	881	585	19,571
	609	595	610	616	598	591	580	592	603	650	1186	20,638
	575	619	717	760	1020	997	877	757	720	697	692	18,529
	556	481	636	574	585	641	621	548	515	511	565	16,808
	618	728	640	633	716	696	702	757	672	656	696	19,886
	680	634	624	612	602	621	570	598	576	563	593	18,113
	1067	996	956	910	932	852	877	951	906	906	972	30,313
	656	627	629	699	639	632	631	583	503	852	533	19,586
	757	695	685	795	884	1025	973	944	941	889	993	26,584

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1895	950	950	950	950	890	890	720	890	950	950	950	950	950
1896													
1897	1060			990				990			1060		
1898	978	978	1060	1060	978	978	978	978	978	978	978	721	721
1899	1340	1340	1220	1340	1340	1340	1340	1460	1400	1340	1520	1760	1820
1900	1120	1120	1120	1120	1120	1120	1050	1050	1050	1020	990	960	990
1901	920	920	920	890	920	920	890	890	890	890	890	848	890
1902	760	760	760	760	795	830	900	984	1000	1000	1040	1040	1000
1903								828		828			
1904													
1905	730	700	700	675	675	650	650	675	700	675	675	675	675
1906	750	750	750	750	780	780	810	810	845	880	880	810	1060
1907	1040	1000	965	965	930	900	930	930	900	900	870	840	870
1908	1120	1120	1120	1080	990	990	990	1020	990	990	990	1020	1020
1909	1190	1360	1360	1360	1310	1270	1270	1110	1150	1230	1390	1230	1150
1910	940	940	940	940	915	890	965	990	1160	1160	1230	1730	1600
1911	1010	1010	990	1010	1060	1085	1085	1110	1230	1170	1060	930	970
1912	1015	1015	1100	1130	1100	1160	1300	1265	1230	1265	1300	1230	
1913	950	1080	1150	1080	1080	2080	2190	1610	1530	1450	1530	1790	1530
1914	1170	1100	1100	1100	1100	1100	1030	1030	1030	961	961	961	1030
1915	662	668	670	672	673	664	684	695	712	701	684	725	721
1916	922	918	916	906	899	913	901	873	883	905	854	733	622
1917	932	773	924	887	795	896	786	786	792	780	786	774	822
1918	1210	1166	1148	1056	1053	1032	1026	977	980	967	964	932	925
1919	758	843	1035	1247	1430	1485	1424	1237	1054	964	931	906	888
1920	779	877	869	869	886	886	888	907	921	895	824	787	806
1921	925	925	830	876	884	886	869	869	920	898	803	874	795
1922	865	924	830	794	764	734	769	869	1000	914	962	944	823
1923	904	890	933	837	903	899	876	855	866	884	895	827	851
1924	1017	1180	937	902	1000	987	806	839	619	775	912	875	775
1925	767	777	952	828	684	776	671	797	826	829	1072	920	949
1926	525	552	556	523	568	528	681	709	709	595	695	907	1016
1927	1131	1031	1132	1021	1235	1083	1309	1533	1649	4067	4329	3186	2620
1928	1003	866	994	887	899	955	961	795	904	875	900	776	762
1929	653	650	650	577	678	581	655	555	616	561	561	752	613
1930	700	819	650	822	667	747	753	695	716	801	860	797	709
1931	515	518	522	526	476	516	528	648	591	646	582	489	444
1932	678	646	3322	826	764	884	1017	937	959	1148	949	778	853
1933	1213	993	848	848	729	828	807	803	748	777	780	751	737
1934	753	761	823	728	687	860	1028	987	1062	872	847	781	717
1935	498	607	650	606	573	589	648	652	665	696	607	618	725
1936	731	650	599	488	696	770	730	680	575	620	546	664	637
1937	582	596	653	629	649	555	541	556	639	664	659	655	661
1938	1001	1201	1065	1606	2113	1509	1129	1117	1264	1276	1188	890	851
1939	763	706	660	733	754	711	630	657	663	689	562	647	624
1940	1063	1136	1416	1253	1222	961	1092	1268	1206	1124	1056	952	930

NOVEMBER

1	12	13	14	15	16	17	18	19	20	21	22	23
50	950	950	950	1010	1010	1010	950	950	950	950	890	770
60				990			1250				1120	
78	721	721	721	721	721	892	1150	1060	1150	1060	1060	892
20	1760	1820	1700	1580	1700	1640	1580	1580	1580	1460	1460	1460
90	960	990	990	990	990	990	1050	1050	960	930	960	990
90	848	890	848	890	890	860	860	860	860	860	920	990
40	1040	1000	970	900	830	900	970	970	900	865	830	865
									1110			2130
75	675	675	675	675	675	675	675	675	675	675	700	700
80	810	1060	2350	2620	5250	2110	1470	1200	1160	1240	1240	1060
70	840	870	900	900	870	900	930	840	870	965	900	930
90	1020	1020	960	930	755	870	990	990	1050	1120	1190	1080
90	1230	1150	1190	1070	990	1070	1150	1570	3850	4190	5400	15200
30	1730	1600	1230	1160	1100	1100	1160	1160	1130	1340	1600	1830
60	930	970	1170	1300	1495	1300	1495	1230	1265	1265	1230	1035
30	1230											
30	1790	1530	1370	1300	1300	1300	1220	1220	1220	1220	1080	1080
61	961	1030	1030	961	780	830	898	731	839	839	839	961
84	725	721	731	769	919	771	781	797	818	869	859	867
84	733	622	824	1037	1057	1052	1052	1129	969	869	858	863
786	774	822	822	792	804	807	1103	915	671	675	742	884
64	932	925	941	950	1005	1030	1037	994	960	977	956	909
31	906	888	821	783	806	889	969	985	1007	1002	990	928
824	787	806	868	914	898	1063	1444	1837	2402	2470	2246	1900
803	874	795	871	877	933	777	723	786	910	1619	5726	3063
962	944	823	876	598	776	807	1013	1070	1066	826	756	812
895	827	851	838	856	828	821	835	809	782	759	893	821
912	875	775	659	709	765	652	629	568	812	1458	1391	1485
072	920	949	864	761	1838	931	897	852	775	755	757	823
895	907	1016	891	771	838	969	851	852	939	1970	1570	1370
329	3186	2620	2243	1723	2211	2746	2905	2531	2228	2999	3208	2745
900	776	762	811	909	814	783	852	611	622	831	889	881
561	752	613	529	535	601	567	674	686	661	665*	665*	665*
860	797	709	961	693	681	769	777	784	653	683	742	697
582	489	444	474	558	616	614	536	506	465	398	357	310
949	778	853	897	822	794	908	937	1050	942	890	870	837
780	751	737	733	757	745	706	764	918	842	705	794	645
847	781	717	775	680	673	693	778	954	988	897	874	829
607	618	725	604	602	654	657	750	755	683	659	642	658
546	664	637	605	688	587	736	742	642	639	611	600	604
659	655	661	729	818	777	754	851	613	1044	1681	1649	1216
188	890	851	1318	1111	1031	1349	1343	1099	1097	1107	847	751
562	647	624	714	665	612	658	525	580	554	561	615	546
056	952	930	633	780	963	924	1012	1083	930	850	958	704

Chart 2J

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
50	950	890	770	770	770	890	950	770	950	1010		
50		1120			1250				990			
50	1060	1060	892	892	892	892	892	892	892	978		
50	1460	1460	1460	1340	1340	1340	1340	1460	1820	2060		
50	930	960	990	1050	1050	1080	1120	990	930	990		
50	860	920	990	1200	1050	990	1060	990	1020	1120		
00	865	830	865	900	935	970	1040	900	900	935		
10			2130		1680							
75	675	700	700	700	700	700	700	700	675	675		
60	1240	1240	1060	960	960	920	920	920	845	810		
70	965	900	930	965	1040	1070	1040	930	930	965		
50	1120	1190	1080	1080	1020	930	870	755	650	960		
50	4190	5400	15200	13000	9450	7370	5800	4700	4050	3850		
130	1340	1600	1830	1730	1640	1380	1100	1230	1300	1300		
265	1265	1230	1035	970	930	1230	1085	930	810	890		
220	1220	1080	1080	1080	1150	1230	1300	1450	1300	1220		
839	839	839	961	1030	961	961	898	961	1030	961		
818	869	859	867	886	830	790	788	683	767	957		
969	869	858	863	857	827	870	890	895	867	849		
671	675	742	884	856	860	962	780	785	887	675		
960	977	956	909	802	740	652	698	677	750	775		
007	1002	990	928	882	841	818	711	548	528	564		
402	2470	2246	1900	1627	1478	1384	1650	1568	1511	1585		
910	1619	5726	3063	2350	1690	1564	1601	1236	1514	1494		
1066	826	756	812	411	818	620	659	717	681	745		
782	759	893	821	890	1177	1130	968	801	762	992		
812	1458	1391	1485	1229	1082	913	841	684	719	711		
775	755	757	823	805	971	939	1028	922	1016	915		
939	1970	1570	1370	1686	2075	2453	1941	1691	1692	2697		
2228	2999	3208	2745	2307	2235	2821	3364	3341	3448	3900		
622	831	889	881	838	874	831	880	831	796	572		25,202
661	665*	665*	665*	665*	665*	672	810	700	698	688		19,248
653	683	742	697	790	876	828	729	860	742	708		22,709
465	398	357	310	268	344	643	725	675	538	586		15,612
942	890	870	837	687	789	699	826	808	834	888		28,239
842	705	794	645	764	754	751	760	624	912	806		23,842
988	897	874	829	839	875	795	812	817	761	776		24,722
683	659	642	658	712	710	638	663	666	552	387		19,124
639	611	600	604	555	594	590	473	414	414	420		18,300
1044	1681	1649	1216	1007	1038	1067	972	961	882	816		24,914
1097	1107	847	751	825	881	877	908	903	927	1113		33,697
554	561	615	546	670	649	655	703	630	705	658		19,499
930	850	958	704	664	852	855	863	806	1000	1326		29,882

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	950	950	770	720	720	950	950	950	950	890	1010	1010
1896												
1897												
1898	1060	1060	1060	1060	1580	1920	2260	2770	2600	2600	2600	2600
1899	2060	1700	1520	1280	1220	1220	1340	1340	1460	1580	1580	1460
1900	1050	1050	990	1050	1050	1050	1050	1050	1050	990	990	930
1901	1130	2180	2070	2070	1870	1600	1350	1240	1310	1200	1130	1060
1902	970	970	1040	1080	970	970	970	970	1040	1270	1290	1190
1903			1200		1110			1020				865
1904												
1905	675	675	675	650	560	560	520	480	480	450	450	480
1906												
1907	930	840	810	870	930	965	1000	1100	965	900	1000	1000
1908	990	930	990	1050	990	930	930	990	990	960	900	920
1909	3460	3200	2660	2540	2480	2370	2370	2370	2840	2480	2100	2150
1910	1300	1300	1340	2140	1680	1460	1380	1340	1460	1380	1380	1460
1911	1060	1035	990	1085	1110	1170	1140	1085	1110	1100	1085	1060
1912												
1913	1150	950	950	950	950	950	950	886	824	824	1020	1080
1914	898	783	898	1100	1030	961	783	731	683	638	783	961
1915	859	812	947	1000	1103	985	949	918	892	843	790	784
1916	747	982	1088	1185	1117	1034	901	698	493	859	949	976
1917	2121	1942	1323	915	885	972	1042	827	985	1022	917	909
1918	829	842	896	927	955	1092	1090	1084	926	901	807	723
1919	829	989	1058	918	836	852	836	786	733	628	673	752
1920	1236	1260	1249	1211	1168	1011	951	817	672	1019	1222	1225
1921	3353	3890	2723	1816	1582	1435	1470	1310	1218	1350	1360	1552
1922	709	688	650	716	649	1000	662	821	784	612	670	655
1923	991	710	685	646	662	798	999	1103	819	615	486	524
1924	680	847	950	936	793	796	798	751	772	647	672	754
1925	967	1522	2346	1549	1348	1231	1128	1042	937	926	888	999
1926	3325	2469	2521	2703	2522	2191	2020	1506	1174	1240	1088	1471
1927	2467	2453	2444	2461	1923	2290	1746	1702	1347	1789	1804	1534
1928	540	736	444	672	404	619	634	685	813	857	968	974
1929	686	719	640	575	609	732	688	696	686	941	2221	1670
1930	678	749	842	975	938	911	835	685	604	575	752	920
1931	380	445	563	635	610	462	582	513	572	431	416	532
1932	729	763	841	828	819	632	562	613	426	366	290	300
1933	765	690	740	805	802	652	809	837	767	781	795	821
1934	814	823	778	850	869	814	793	608	726	668	602	586
1935	444	399	403	424	573	679	729	656	811	725	657	833
1936	581	578	614	581	518	513	779	818	801	654	530	534
1937	620	675	643	684	679	647	692	404	734	596	2998	10641
1938	1175	1202	1238	1280	1113	1188	1097	1113	1283	1248	1043	903
1939	534	617	592	592	586	575	715	644	640	934	1197	1096
1940	1136	1045	1008	900	953	949	945	980	871	877	706	476

DECEMBER

	12	13	14	15	16	17	18	19	20	21	22	23
10	1010	1010	770	830	670	620	620	620	620	620	670	670
00	2600	2600	2430	2430	2770	2770	2770	2770	2770	2770	2600	2600
80	1460	1460	1460	1340	1340	1580	1580	1820	1820	1580	1580	1580
90	930	930	990	1050	1050	1120	1050	1050	1050	1460	1360	1120
30	1060	920	830	1060	955	990	1020	1020	920	890	1080	1200
90	1190	1000	830	695	695	695	747	1040	1080	1100	1120	1190
	865				850			945			945	
50	480	520	600	675	940	940	940	880	820	790	560	520
00	1000	1040	1000	900							1180	1180
00	920	1020	810	650								1050
00	2160	2200	2050	1850	1800	1660	1660	1700	1480	1390	1570	1700
80	1460	1160	990	990	1020	1160	1100	1100	1070	1100	1160	1160
85	1060	1085	970	990	1085	1085	950	870	910	930	850	1010
20	1080	1080	1220	1080	950	824	1020	1080	886	824	824	1080
83	961	731	638	559	559	559				600		
90	784	757	884	765	574	641	854	704	739	946	1102	1157
49	976	1089	976	760	658	763	876	1162	885	992	989	897
17	909	1179	1640	1553	1192	1191	1529	1633	1737	1627	2038	1737
07	723	774	838	947	895	787	717	617	664	712	745	757
73	752	829	966	601	639	588	638	757	903	986	1126	1160
22	1225	1170	1019	905	745	802	894	1097	1134	1117	1042	950
60	1552	1372	1431	1350	1136	978	521	1184	1124	1295	1175	1163
70	655	674	666	527	873	706	655	1010	1118	974	954	790
86	524	702	812	1089	1009	968	848	911	972	963	799	636
72	754	835	837	833	727	775	639	458	434	420	422	425
88	999	1017	915	914	915	1016	940	1031	906	916	904	923
98	1471	1312	1044	591	755	1171	1291	1296	989	1051	815	794
04	1534	1660	1634	1619	1253	1635	1385	1164	971	1087	950	1548
68	974	849	913	839	843	791	591	647	586	599	615	606
21	1670	1818	2649	1613	1827	2297	1692	1250	1271	1838	1047	1076
52	920	893	888	725	671	819	701	715	730	570	493	505
116	532	479	398	377	434	620	620	620	621	762	745	718
290	300	304	306	373	416	650	461	1046	832	851	496	750
795	821	902	994	959	872	836	402	701	886	976	972	943
602	586	622	910	1112	800	788	799	804	862	989	1017	1008
657	833	808	739	611	388	339	350	361	359	550	578	490
630	534	659	553	701	851	822	785	720	742	756	710	755
998	10641	7374	4097	2945	2697	2301	1926	1760	1389	1226	1161	1291
043	903	468	589	791	1146	1053	790	984	1010	932	928	752
197	1096	876	820	699	836	1135	1420	1131	945	891	833	770
706	476	391	299	405	343	604	794	1148	1122	1004	1168	1185

21	22	23	24	25	26	27	28	29	30	31	TOTAL
620	670	670	770	830	950	950	770	815	860	905	
2770	2600	2600	2600	2600	2940	3290	3290	2940	2940	2770	
1580	1580	1580	1820	1580	1580	1580	1820	1820	1580	1820	
1460	1360	1120	1050	1120	1050	1050	970	880	950	990	
890	1080	1200	1430	1350	1200	1130	1130	955	890	1020	
1100	1120	1190	1190	1270	1230	1270	1120	1040	695	1000	
	945			752			790			790	
790	560	520	520	580	625	625	760	820	760	675	
	1180	1180	1180	1240	1180	1360	1180	1140	1000	1100	
1390	1570	1700	1080	930	930	1050	1120	990	930	755	
1100	1160	1160	1660	1660	1750	1570	1390	1310	1390	1570	
			1300	1100	990	990	1040	1100	1100	1160	
930	860	1010	1010	930	950	930	1035	1060	1035	1035	
824	824	1080	950	1080	1150	1020	1020	950	1020	1150	
600					650			826			
946	1102	1157	1079	955	825	728	837	849	676	719	
992	989	897	883	873	679	663	669	679	671	656	
1627	2038	1737	2965	2871	2416	3536	5050	6972	5420	4150	
712	745	757	670	660	628	640	637	617	588	595	
986	1126	1160	1199	1016	955	927	998	872	815	741	
1117	1042	950	909	890	936	956	982	1074	1359	2331	
1295	1175	1163	1220	1106	1109	1194	1191	1127	1177	1067	
974	954	790	804	1052	1085	1172	1246	1361	1017	1156	
963	799	635	608	902	979	879	947	898	1008	776	
420	422	425	421	539	515	507	663	753	975	882	
916	904	923	1016	1026	882	859	765	682	639	607	
1051	815	794	906	869	844	840	928	838	911	920	
1087	950	1548	1345	1255	1147	1144	1173	1490	1373	1120	
599	615	606	706	645	995	837	964	1043	889	792	23,106
1838	1047	1076	1012	971	917	843	732	729	625	704	34,774
570	493	505	552	533	509	760	666	634	613	613	22,054
762	745	718	718	694	726	751	837	750	620	557	18,188
851	496	750	690	1081	929	761	822	780	825	756	20,298
976	972	943	996	998	1106	1241	1215	1121	1110	1322	27,826
989	1017	1008	928	946	897	926	965	813	750	671	25,604
550	578	480	370	648	731	798	865	865	656	643	18,676
756	710	755	663	723	728	698	767	478	670	596	20,778
1226	1161	1291	1288	1111	1319	1328	1174	1172	1097	1187	57,880
932	928	752	1038	948	866	764	885	985	985	693	30,490
891	833	770	715	685	552	552	659	697	778	918	24,634
1004	1168	1185	1248	1127	1173	1073	1280	1068	968	1071	28,317

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1941	953	664	662	690	704	967	890	959	778	857	761	699	622
1942	612	612	612	927	737	737	737	999	1000	1157	1052	1051	841
1943	4510	4934	3711	2796	2572	2257	2026	1701	1730	1701	1554	1337	1344
1944	998	895	979	759	575	685	876	673	670	671	674	676	684
1945	796	703	662	668	803	810	747	1120	1193	1040	1035	899	902
1946	2583	2013	2128	1723	1881	1631	1219	1544	1282	1045	1240	920	878
1947	820	1062	923	620	688	986	1017	1018	905	903	1186	1033	1074

1941	817	843	852	957	831	879	1140	1215	1100	1102	1244	1435	1469	123
1942	1198	1073	1400	1427	1432	1446	1326	1382	1271	1261	1285	1152	1118	86
1943	1859	1804	1921	1657	1557	1675	1571	1797	1817	1522	1569	1359	1648	144
1944	764	878	1096	809	1046	1165	1032	1020	1159	1270	791	785	773	78
1945	799	1012	1467	1371	1010	1077	1048	1210	2213	1737	1486	1353	1599	313
1946	1093	1162	1061	1049	1186	986	1102	1004	914	891	1028	1132	941	96
1947	1014	1122	953	941	993	1075	992	940	944	1148	1146	1250	2090	242

1941	1678	1898	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	1495
1942	873	1003	1035	1138	1018	1122	1054	1177	1115	1308	1403	1593	1652	1860
1943	3088	2982	2899	3025	3099	2745	2569	2684	2919	2526	2520	2460	2525	3825
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174	1248
1945	903	1024	1056	1012	818	794	816	870	968	1016	1035	1076	1426	1746
1946	1733	1580	1379	1595	1565	1948	1997	2033	2090	2342	2900	3811	4148	4131
1947	1651	1539	1661	1803	1607	1600	1312	1485	1418	1844	2758	2251	2114	2004

NATURAL FLOW OF POISE RIVER BEGINNING 1941

13	14	15	16	17	18	19	20	21	22	23	24	25	26
JANUARY													
22	926	1076	929	927	878	884	888	890	886	884	917	1030	1215
41	946	946	621	731	1306	866	756	866	748	976	1119	1265	1511
44	1519	1550	1636	1300	1100	1315	2010	2179	3728	4603	4259	3563	3199
84	688	962	934	945	1042	827	824	822	722	730	940	827	828
02	1300	1461	1305	1169	1052	1034	1035	704	830	739	663	816	806
78	1057	983	866	1214	1246	1157	1111	940	1164	1117	1362	1209	1045
074	1052	788	753	786	733	1073	1245	1132	1276	865	1119	1114	1125

FEBRUARY													
1469	1238	1123	1163	1093	994	1041	1151	1069	1093	1369	1529	1776	1535
1118	861	997	1179	1011	892	739	753	806	1477	1051	1150	952	922
1648	1445	1646	1758	1771	1961	1944	2154	2462	2739	3419	3440	3327	2831
773	785	906	1053	867	858	979	842	847	622	916	794	919	798
1599	3131	2857	2051	1874	1550	1396	1329	1302	1115	1086	1077	1051	836
941	961	1074	1366	1281	1232	956	1237	1239	1219	1257	1287	1482	1546
2090	2423	2059	1886	1897	1937	2145	1786	1741	1834	1951	2029	1972	1832

MARCH													
1372	1495	1480	1318	1384	1712	1967	1942	1942	1842	1922	1803	1727	1774
1652	1860	1479	1688	1527	1468	1432	1411	1414	1442	1305	1575	1447	1464
2525	3825	3899	3451	3161	2860	2606	2820	2026	2818	2119	2521	3009	3789
1174	1248	1012	681	1196	1442	1446	1399	1366	1122	1135	1463	1179	1149
1426	1746	1707	1520	1403	1519	1304	1172	1532	2260	2813	2856	2541	2242
4148	4131	3566	3217	2843	2526	2803	4144	5164	5371	5061	5103	4335	3767
2114	2004	2490	2946	3095	3940	4387	4397	4613	4661	4948	4541	3963	3837

21	22	23	24	25	26	27	28	29	30	31	TOTAL
890	886	884	917	1030	1215	1172	942	811	808	911	27,130
866	748	976	1119	1265	1511	1172	1323	1489	1388	1281	31,091
179	3728	4603	4259	3563	3199	2987	2703	2505	2250	2006	76,595
822	722	730	940	827	828	823	733	748	744	752	24,706
704	830	739	663	816	806	737	774	772	684	876	28,135
940	1164	1117	1362	1209	1045	1073	1104	993	952	1085	39,765
132	1276	865	1119	1114	1125	1157	913	921	986	908	30,181

1069	1093	1369	1529	1776	1535	1284	1342				32,684
806	1477	1051	1150	952	922	941	1079				31,561
2462	2739	3419	3440	3327	2831	2870	2759				58,282
847	622	916	794	919	798	797	954	780			26,305
1302	1115	1086	1077	1051	836	969	1056				40,062
1239	1219	1257	1287	1482	1546	1607	1609				32,902
1741	1834	1951	2029	1972	1832	1961	1578				43,639

1942	1842	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,724
1414	1442	1305	1575	1447	1464	1476	1546	1639	1988	2250	43,902
2026	2818	2119	2521	3009	3789	5285	7156	9555	10692	9936	117,569
1366	1122	1135	1463	1179	1149	1154	904	1053	1094	1369	34,047
1532	2260	2813	2856	2541	2242	2530	2320	2510	2290	2501	49,580
5164	5371	5061	5103	4335	3767	4216	5462	6114	6618	5740	109,302
4613	4661	4948	4541	3963	3837	3541	3553	3479	3709	3491	90,638

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1941	2764	3078	3048	3047	3476	3237	2958	2618	2631	2830	3468	3201	3339
1942	2592	2973	3284	3741	4057	3785	3879	4215	4659	5444	6081	7073	8215
1943	8908	10250	14430	14901	13749	13264	14663	16969	21255	18207	16138	16191	18504
1944	1584	1786	2125	2865	2726	3144	2693	2599	2622	2605	2376	3092	3326
1945	2671	2430	2282	2132	2205	1890	2576	2192	2522	2329	2057	2075	2045
1946	6008	4982	4552	4717	4841	5216	6160	6164	6222	5847	5218	5919	7596
1947	4810	4145	4006	3747	3576	3468	3305	3129	2954	2778	2635	2807	3063

1941	4890	5168	5018	5531	5646	5678	4968	4609	4612	4308	4367	5127	7386
1942	4049	4010	3767	3545	3454	3481	3320	3456	3734	4349	4477	4364	4144
1943	13118	14472	15282	15085	15650	14752	21884	11194	10220	10225	9810	9272	8431
1944	4472	4415	3900	3741	3793	4412	5143	5600	5514	5168	5134	5178	5509
1945	5984	6978	8661	10592	11644	10720	9978	9101	9082	9218	10489	9101	8230
1946	11798	10583	10259	10837	12416	13481	12844	13260	12128	11745	10582	10286	9306
1947	6899	7787	10947	11509	11660	11547	11766	12725	13838	11347	10891	9953	8473

1941	5876	5273	4713	4985	5028	4885	5212	6341	5866	5148	4826	4982	5120	541
1942	6271	5752	5626	5932	6318	6766	8006	9385	9868	9502	8497	7225	6400	617
1943	15587	14754	12962	11286	10258	8909	8350	8004	7816	8370	9666	10493	11513	1117
1944	5791	5553	5041	4788	4389	4168	4099	4084	4583	4943	4477	4254	4137	400
1945	7248	7584	8171	8810	8477	7996	7594	7816	6873	8299	7485	6911	6696	672
1946	7950	7533	7764	9114	10131	9775	8965	8249	7785	7505	7573	6965	6209	6199
1947	7015	6887	6980	6014	5562	5299	5299	5342	6372	6867	5991	5421	4395	4743

NATURAL FLOW OF BOISE RIVER BEGINNING 1941

10	11	12	13	14	15	16	17	18	19	20	21	22	23
APRIL													
30	3468	3201	3339	3509	3396	3665	3394	3243	2963	2670	2387	2370	2452
44	6081	7073	8215	8731	9411	8204	6527	6620	6098	5858	6528	7779	8562
07	16138	16191	18504	20265	21625	22310	23229	25040	23312	22450	18721	17930	15208
05	2376	3092	3326	2841	2721	2302	2377	2310	2015	2274	2185	2348	2613
29	2057	2075	2045	1985	2296	2082	2706	2855	3445	4460	6135	7701	6650
47	5218	5919	7596	10219	12352	13581	14780	17389	18812	18660	15103	13559	11548
78	2635	2807	3063	3230	4470	5633	6148	6379	6440	6284	6171	6318	6123

MAY													
308	4367	5127	7386	8408	7496	6193	5543	5536	5708	5101	4809	4875	5676
4349	4477	4364	4144	4097	4044	4151	4093	3815	3906	3693	4044	4664	6595
0225	9810	9272	8431	8266	7851	7404	7311	7009	6906	7316	8041	8851	10237
5168	5134	5178	5509	6077	7059	7632	7270	6542	5688	5076	4361	4248	4142
9218	10489	9101	8230	8448	7555	6677	7216	7208	6601	5903	5382	5033	4993
1745	10582	10286	9306	9563	9170	9087	9507	10011	10750	10746	10134	9995	10297
1347	10891	9953	8473	7965	7504	7733	7063	7056	7143	6705	7403	7922	7782

JUNE													
5148	4826	4982	5120	5417	5474	5217	4718	4390	4612	4450	4067	3541	3436
9502	8497	7225	6400	6171	6105	6822	6402	5525	5420	5117	4791	4453	4427
8370	9666	10493	11513	11171	10305	10063	9048	9978	11871	12584	11249	10070	10859
4943	4477	4254	4137	4007	4063	4095	4112	3762	3506	3582	3888	3933	3924
8299	7485	6911	6696	6727	6164	5678	5343	5416	5806	6460	7091	7389	7317
7505	7573	6965	6209	6199	6482	6365	5913	5539	5244	5054	5103	5241	4827
6867	5991	5421	4395	4743	4539	4785	4962	5051	5334	5103	4813	4215	3548

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
70	2387	2370	2452	2699	3128	3201	3316	3543	4090	4429		94,150
58	6528	7779	8562	7355	6099	5718	5033	4620	3317	4353		170,811
50	18721	17930	15208	15482	14783	13616	12110	11161	14952	13643		503,266
74	2185	2348	2613	2821	3624	3471	3330	3282	3712	4231		82,000
60	6135	7701	6650	6101	5125	4326	3792	2729	3768	4622		101,184
60	15103	13559	11548	11850	13257	15441	16663	15853	14226	13167		319,902
84	6171	6318	6123	6002	5480	5356	5760	6191	6991	7300		144,699

101	4809	4875	5676	6643	7222	7181	8861	8155	6497	5834	5620	182,668
693	4044	4664	6595	9166	8745	10608	10690	8987	7899	6931	6560	162,838
316	8041	8851	10237	12494	14458	14525	16433	15392	15465	16213	16835	361,402
076	4361	4248	4142	3824	3550	3409	3269	3789	3721	4432	5576	151,604
903	5382	5033	4993	5600	6638	6372	6538	6147	6452	6932	7120	236,573
0746	10134	9995	10297	9414	8760	8863	10914	10528	10264	9346	7956	325,830
6705	7403	7922	7782	7407	7316	7548	7862	8080	7846	6708	6497	272,882

4450	4067	3541	3436	3300	3016	3077	2668	2626	2656	2468		133,388
5117	4791	4453	4427	4650	4756	4886	4527	4024	3862	3701		181,187
12584	11249	10070	10859	10635	9768	9435	9483	9715	9920	9755		313,877
3582	3888	3933	3924	3606	3689	3732	3741	3684	3228	3004		123,863
6460	7091	7389	7317	7137	6538	6633	5948	5117	4311	3963		202,998
5054	5103	5241	4827	5035	4566	3994	3917	3468	3540	3407		189,412
5103	4813	4215	3548	3663	3798	3631	3738	3439	2971	2842		148,619

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1941	2322	2243	2039	1927	1952	1710	1674	1575	1513	1437	1337	1296	1213
1942	4013	4240	4155	3775	3793	3472	3324	3084	2814	2736	2424	2238	2108
1943	10045	9693	9197	9300	8879	8231	8048	8399	8360	7942	7292	6508	5908
1944	3009	3102	2688	2700	2403	2513	2184	2012	1856	1998	1857	1698	1642
1945	3718	3569	3697	3642	3538	3165	3117	2943	2881	2900	2523	2409	2555
1946	3334	3363	3476	3227	3104	2957	2713	2600	2587	2373	2385	2246	1949
1947	2727	2594	2681	2701	2632	2476	2407	2450	2533	2120	2258	2132	1840

1941	943	873	856	848	786	713	736	738	716	702	682	1339	1262	1
1942	1051	1009	1000	1009	967	972	930	893	929	862	878	784	756	
1943	2477	2514	2409	2330	2308	2173	2044	1875	1896	2060	1656	1539	1630	16
1944	1012	1000	1042	1027	1002	956	859	783	814	790	770	767	687	6
1945	1093	1020	1077	1025	961	978	949	1246	915	915	970	929	912	8
1946	1283	1291	1282	1249	1224	1116	1099	1089	1088	963	934	901	896	8
1947	1040	1022	973	900	909	872	838	748	790	737	721	714	644	6

1941	658	634	632	650	640	655	646	627	643	655	653	642	669	4
1942	617	631	599	595	588	558	553	521	515	500	530	554	592	
1943	1173	1175	1155	1136	1100	1076	1048	1022	1013	957	922	914	882	
1944	476	473	489	551	574	627	650	640	645	603	568	557	517	
1945	610	613	606	604	569	586	584	577	609	568	575	611	579	
1946	804	741	722	720	681	710	724	794	869	865	824	778	717	6
1947	583	614	596	570	605	589	585	630	617	645	652	640	701	7

NATURAL FLOW OF BOISE RIVER BEGINNING 1941

1	12	13	14	15	16	17	18	19	20	21	22	23	24
JULY													
87	1296	1213	1239	1233	1251	1217	1219	1147	1113	1090	1041	994	966
24	2238	2108	2075	1899	1811	1790	1696	1591	1530	1473	1450	1417	1356
92	6508	5908	5338	5040	5053	4694	4405	4363	4274	4063	4189	4169	4086
57	1698	1642	1590	1519	1482	1511	1455	1401	1317	1284	1347	1321	1293
23	2409	2555	2355	2179	2136	2081	1791	1789	1709	1623	1644	1504	1535
85	2246	1949	1915	1811	1658	1687	1744	1645	1532	1456	1553	1504	1382
58	2132	1840	1871	1856	1816	1783	1801	1678	1494	1436	1402	1356	1253

AUGUST													
682	1339	1262	1140	899	839	852	890	1240	962	832	879	800	714
878	784	756	742	745	729	674	688	648	611	596	625	597	623
1656	1539	1630	1644	1636	1618	1594	1521	1514	1457	1400	1366	1315	1304
770	767	687	650	649	638	631	634	626	616	581	542	536	547
970	929	912	882	814	799	769	750	759	726	727	710	714	720
934	901	896	854	844	847	814	794	753	780	735	768	802	804
721	714	644	654	663	672	637	619	613	589	579	586	569	555

SEPTEMBER													
653	642	669	698	742	747	740	727	686	699	710	726	726	728
530	554	592	624	632	638	623	623	601	620	635	652	666	615
922	914	882	917	926	889	862	817	783	787	758	828	858	840
568	557	517	509	487	455	477	474	547	606	663	707	689	672
575	611	579	594	563	557	578	589	624	630	644	691	829	875
824	778	717	695	654	661	670	725	793	857	893	893	889	892
652	640	701	705	686	656	637	591	636	627	606	607	615	617

	22	23	24	25	26	27	28	29	30	31	TOTAL
0	1041	994	966	947	900	891	1141	1079	1040	920	41,666
8	1450	1417	1356	1337	1280	1290	1198	1161	1151	1045	68,726
8	4189	4169	4086	3455	3563	3448	3226	3148	2845	2638	179,799
4	1347	1321	1293	1251	1259	1179	1149	1118	1029	1024	53,191
8	1644	1504	1535	1447	1328	1282	1212	1209	1232	1191	69,904
6	1553	1504	1382	1342	1286	1333	1380	1414	1356	1285	63,597
6	1402	1356	1253	1209	1146	1140	1105	1006	1052	1092	57,047
32	879	800	714	860	776	781	787	749	724	686	26,603
96	625	597	623	626	596	605	568	578	593	603	23,487
00	1366	1315	1304	1280	1278	1244	1234	1211	1179	1172	51,878
81	542	536	547	534	523	529	518	537	539	503	21,842
27	710	714	720	679	646	623	584	588	590	588	25,658
85	768	802	804	835	861	868	876	874	834	829	29,187
79	586	569	555	586	567	546	521	510	553	598	21,525
10	726	726	728	728	731	727	711	714	715		20,659
85	652	666	615	604	572	557	575	536	544		17,670
58	828	858	840	891	815	850	874	882	899		28,049
63	707	689	672	658	636	624	630	620	560		17,384
44	691	829	875	951	963	782	675	681	656		19,573
93	893	889	892	827	783	742	681	682	681		22,967
06	607	615	617	617	619	592	594	582	590		18,604

YEAR	12	2	3	4	5	6	7	8	9	10	11	12	13
1941	718	694	674	665	691	724	752	797	732	715	591	676	783
1942	567	748	695	662	697	665	659	684	455	501	459	605	740
1943	696	781	752	808	678	450	1043	864	845	766	907	1228	940
1944	571	583	702	630	554	718	635	636	619	646	652	635	617
1945	353	745	778	774	726	715	716	722	581	601	570	773	696
1946	672	1566	1714	1217	1151	974	940	1064	1013	995	961	991	931
1947	536	648	559	703	619	638	645	518	632	876	803	947	941

1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	780	894
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707	842
1943	1158	1212	1079	1106	1917	2081	1526	1332	1175	853	1740	1240	1156	1206
1944	952	1196	917	1007	1406	1314	1050	900	847	1011	1148	1039	928	975
1945	902	1104	715	807	917	860	812	865	785	740	787	1072	819	840
1946	1031	1033	929	844	934	947	1063	971	983	972	1028	937	844	850
1947	1073	1003	1003	992	911	999	970	1097	1051	961	949	985	859	985

1941	943	947	1661	4605	3137	2036	1837	1555	1400	1485	1458	1237	1309	1406
1942	1854	1741	1385	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225	1116
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746	746
1944	805	808	793	686	667	728	736	746	638	407	342	352	396	406
1945	972	718	616	866	1056	1008	1091	933	819	456	695	856	664	571
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1941	3056	4053
1947	1239	1165	1100	920	1078	1117	954	951	908	957	622	838	709	995

NATURAL FLOW OF BOISE RIVER BEGINNING 1941

13	14	15	16	17	18	19	20	21	22	23	24	25	26
OCTOBER													
783	804	698	802	2533	1954	1566	1420	1187	922	936	850	694	863
740	744	844	563	683	718	692	895	720	764	720	760	651	626
940	1122	939	927	1006	876	1012	883	1121	1084	1085	1054	1188	1148
617	611	652	642	821	807	673	632	598	664	671	674	693	659
696	542	865	746	689	777	846	792	814	838	768	797	776	785
931	398	932	865	995	910	995	925	936	1134	1256	1407	1281	1244
941	874	777	822	2138	1453	1233	1063	981	1002	977	947	915	850

NOVEMBER													
780	894	1387	2533	1954	1566	1420	1187	922	936	850	694	863	958
707	842	944	1562	1158	1186	1150	1007	857	703	858	1128	1793	1534
1156	1206	1133	1130	1128	967	1087	1141	1106	985	1056	1056	968	1056
928	975	860	870	745	682	577	656	681	731	722	699	802	716
819	840	941	957	992	888	936	976	839	675	580	875	1004	991
844	850	944	936	856	947	1115	2186	1660	1484	1328	1706	1608	1603
859	985	970	993	1022	928	1024	865	754	883	655	771	1011	953

DECEMBER													
1309	1406	1372	1694	1580	1838	1871	2130	2240	2199	1896	1673	1657	1335
1225	1116	1111	1041	1189	1052	920	942	994	1293	1140	1395	1644	1707
746	746	770	748	759	939	974	1002	1003	1186	1003	943	1056	954
396	406	464	505	765	610	640	866	1052	818	1137	906	839	783
664	571	568	707	645	1040	833	691	898	893	1243	1173	1130	1000
3056	4053	4709	3950	2413	1771	1870	1845	1792	1550	1306	1384	1439	1319
709	995	922	901	811	959	991	844	951	798	792	974	746	737

21	22	23	24	25	26	27	28	29	30	31	TOTAL
1187	922	936	850	694	863	958	909	675	1000	871	31,600
720	764	720	760	651	626	702	792	737	835	699	21,282
1121	1084	1085	1054	1188	1148	1202	1284	1460	1451	1301	30,901
598	664	671	674	693	659	958	436	669	638	718	20,414
814	838	768	797	776	785	800	781	802	819	924	22,911
936	1134	1256	1407	1281	1244	1238	1220	1123	1031	1118	33,697
981	1002	977	947	915	850	813	954	995	1143	1120	28,122

922	936	850	694	863	958	909	675	1000	871	31,600
857	703	858	1128	1793	1534	1246	1442	1412	2098	32,034
1106	985	1056	1056	968	1056	959	955	909	935	35,352
681	731	722	699	802	716	741	747	600	581	26,099
839	675	580	875	1004	991	1061	1096	1094	905	26,835
1660	1484	1328	1706	1608	1603	1713	1457	1522	1676	36,107
754	883	655	771	1011	993	1032	1081	973	998	28,797

0	2240	2199	1896	1673	1657	1335	1097	917	1411	1620	1873	53,419
2	994	1293	1140	1395	1644	1707	1173	1131	1851	1679	2620	40,891
2	1003	1166	1003	943	1056	954	838	628	536	757	994	27,884
6	1052	818	1137	906	839	783	615	621	588	906	826	21,451
1	898	893	1243	1173	1130	1000	1206	1505	3667	5249	3587	37,356
5	1792	1550	1306	1384	1439	1319	1319	1286	1137	948	865	54,696
4	951	798	792	974	746	737	736	779	961	790	513	27,758

TABLE, IN SECOND FEET, SHOWING AVERAGE DAILY FLOW MISSOURI 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	1592	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	1056	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	8078	6320	1647	813	750	883	1302	1015
23	2511	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	8304	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		3634	7668	8189	4575	1308	764	784	893	1130	1114
31	1125		3636		8356		1257	757		914		1102
Total	36128	36060	78921	173210	249363	214041	78692	28525	22964	27071	31110	33064
Average	72256	72120	157842	346420	498726	428086	152384	57050	45928	54142	63420	66128

Total in acre feet for average year, - 2019502

TOTAL

FOR 1

YEAR	October	November	December	January	February	March	April
1894-95	54700(8)	54000	62700	78600	68280	103180	2431
1895-96	57040	54980	50980	73440	67660	157560	2950
1896-97	54220	62300(3)	64600	50520	55240	87960	47600
1897-98	63440	64100	61500(7)	34100	67200	119280	25190
1898-99	53262	56240	151640	160600	79640	113900	42574
1899-00	83664	90000	97000	125420	96440	305220	380020
1900-01	63570	61880	65060	79440	98340	179320	305940
1901-02	56464	55892	76400	61300	90440	88920	211470
1902-03	45630	54498	63474	81760	63570	143360	448220
1903-04	58554	67800(7)	57500	124000(1)	108000(1)	262140	671840
1904-05	58980	54000	54000(7)	50400(2)	56700(2)	101900	176200
1905-06	42980	41010	40410	56810	57240	101100	337920
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	673380
1907-08	57890	55978	63300	67230	63282	141130	382540
1908-09	68440	59280	58000	138160	110680	232840	472120
1909-10	63140	200560	124760	79900	66600	566900	609980
1910-11	63210	73780	76820	63010	76340	159570	323960
1911-12	66570	66700	63520	78420	76120	99580	342620
1912-13	66960	67820	60680	53800	51400	101800	374960
1913-14	63524	80180	61380	71196	74968	216040	469040
1914-15	69680	58368	44800	59580	59726	94782	176564
1915-16	42410	45626	53346	49930	63262	197486	555062
1916-17	59106	54016	53702	47628	47694	61740	267082
1917-18	46004	49506	128592	113818	77754	181542	346040
1918-19	64492	56578	49118	50532	52844	114916	395854
1919-20	47968	56548	52610	66528	66774	89234	189044
1920-21	59966	75678	67106	112422	94098	271472	394484
1921-22	55492	39088	44979	60982	53180	113692	319642
1922-23	52172	48886	52872	62100	50860	92700	273726
1923-24	61592	52930	51286	48954	72446	63550	136450
1924-25	39218	53862	42912	48416	129386	192378	501862
1925-26	58400	52394	63522	48414	64264	140448	232672
1926-27	34882	67640	84790	63200	104630	188084	378928
1927-28	69014	144162	97842	90008	79354	272846	316812
1928-29	49852	50792	46212	45514	49720	101904	179094
1929-30	39356	36848	69543	44774	64388	103616	274178
1930-31	54512	45418	44108	44818	45298	91246	177172
1931-32	31424	31224	36376	38612	36756	135826	336006
1932-33	39142	56478	40596	43926	41136	64474	239342
1933-34	41276	47684	55652	79680	79948	151896	249648
1934-35	37058	49444	51208	52256	54336	83150	299458
1935-36	33616	38248	37352	44612	47356	100060	577594
1936-37	39772	36600	41556	37568	41728	89870	207358
1937-38	36266	49828	115760	67492	71566	191026	505100
1938-39	60626	67394	60980	52236	47170	164294	328918
1939-40	40474	38998	49268	53858	75724	201512	355842
1940-41	53168	59764	56634	54260	65368	113448	188300
1941-42	48552	63200	106838	62182	62162	87804	341622
1942-43	42564	64068	81782	153190	114544		

1895-96	57040	54980	50980	73440	67660	157500	4
1896-97	54220	62300(3)	64600	50520	55240	87960	25
1897-98	63440	64100	61500(7)	34100	67200	119280	42
1898-99	53262	56240	151640	160600	79640	113900	38
1899-00	83664	90000	97000	125420	96440	305220	30
1900-01	63570	61880	65060	79440	98340	179320	21
1901-02	56464	55892	76400	61300	90440	88920	44
1902-03	45630	54498	63474	81760	63570	143360	67
1903-04	58554	67800(7)	57500	124000(1)	108000(1)	262140	176
1904-05	58980	54000	54000(7)	50400(2)	56700(2)	101900	3379
1905-06	42980	41070	40410	50810	57240	101100	6733
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	3825
1907-08	57890	55978	63300	67230	63282	141130	4721
1908-09	68440	59280	58000	138160	110680	232840	60998
1909-10	63140	200560	124760	79900	66600	566900	32396
1910-11	63210	73780	76820	63010	76340	159570	34262
1911-12	66570	66700	63520	78420	76120	99580	37496
1912-13	66960	67820	60680	53800	51400	101800	469040
1913-14	63524	80180	61380	71196	74968	216040	176564
1914-15	69680	58368	44800	59580	59726	94782	555062
1915-16	42410	45626	53346	49930	63262	197486	267082
1916-17	59106	54016	53702	47628	47694	61740	346040
1917-18	46004	49506	128592	113818	77754	181542	395854
1918-19	64492	56578	49118	50532	52844	114916	189044
1919-20	47968	56548	52610	66528	66774	89234	394484
1920-21	59966	75678	67106	112422	94098	271472	319642
1921-22	55492	39088	44979	60982	53180	113692	273726
1922-23	52172	48886	52872	62100	50860	92700	136450
1923-24	61592	52930	51286	48954	72446	63550	501862
1924-25	39218	53862	42912	48416	129386	192378	232672
1925-26	58400	52394	63522	48414	64264	140448	378928
1926-27	34882	67640	84790	63200	104630	188084	316812
1927-28	69014	144162	97842	90008	79354	272846	179094
1928-29	49852	50792	46212	45514	49720	101904	274178
1929-30	39356	36848	69543	44774	64388	103616	177172
1930-31	54512	45418	44108	44818	45298	91246	336006
1931-32	31424	31224	36376	38612	36756	135826	239342
1932-33	39142	56478	40596	43926	41136	64474	249648
1933-34	41276	47684	55652	79680	79948	151896	299458
1934-35	37058	49444	51208	52256	54336	83150	577594
1935-36	33616	38248	37352	44612	47356	100060	207358
1936-37	39772	36600	41556	37568	41728	89870	505100
1937-38	36266	49828	115760	67492	71566	191026	328918
1938-39	60626	67394	60980	52236	47170	164294	355842
1939-40	40474	38998	49268	53858	75724	201512	188300
1940-41	53168	59764	56634	54260	65368	113448	341622
1941-42	48552	63200	106838	62182	62162	87804	1006532
1942-43	42564	64068	81782	153190	116564	235138	164000
1943-44	61802	70704	55768	49412	52610	68094	202368
1944-45	40828	52198	42902	56270	80144	99160	639804
1945-46	45822	53670	74712	79530	65804	218604	289398
1946-47	67394	72214	109392	60362	87278	181276	
1947-48							

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895.

February	March	April	May	June	July	August	September
68280	103180	243140	395220	225700	152380	63620	58000
67660	157560	295040	555380	1464280	385520	81960	57500
55240	87960	476000(5)	508000(6)	415000(5)	143300	67250	62520
67200	119280	251900	320280	299360	116848	45708	39168
79640	113900	425740	608020	731400	356160	109940	68900
96440	305220	380020	510720	300640	84156	53496	51196
98340	179320	305940	626460	287420	116400	52222	43944
90440	88920	211470	353460	287160	106720	49496	40914
63570	143360	448220	520620	601880	147580	53000	46344
108000(1)	262140	671840	828600	521060	201920	71972	43830
56700(2)	101900	176200	229820	247660	78860	39810	34660
57240	101100	337920	428100	346980	162900	52410	41090
155000(4)	346120	673380	683520	534560	335640	101600	62066
63282	141130	382540	370360	324880	198500	64920	55524
110680	232840	472120	605240	655220	226800	63690	57220
66600	566900	609980	513560	310360	110040	55970	56390
76340	159570	323960	549120	740860	233040	74906	59728
76120	99580	342620	684180	677560	173980	83380	66080
51400	101800	374960	573740	413420	158660	82964	54290
74968	216040	469040	553660	307700	124130	58742	52654
59726	94782	176564	274130	191900	83978	40926	39672
63262	197486	555062	563720	594764	293818	80102	53680
47694	61740	267082	654106	643322	260216	65224	43950
77754	181542	346040	409954	461268	112120	56300	49922
52844	114916	395854	509192	240872	69736	36404	34262
66774	89234	189044	449730	333468	117328	40586	39034
94098	271472	394484	824032	718728	175390	63068	48784
53180	113692	319642	552674	659854	148066	65210	47974
50860	92700	273726	454010	376208	192504	67552	42946
72446	63550	136450	243200	76792	35296	24426	25320
129386	192378	501862	700486	367370	152598	60730	47302
64264	140448	232672	247704	105072	41132	30872	29480
104630	188084	378928	665294	725602	233700	74786	55734
79354	272846	316812	852194	305656	118292	51462	41304
49720	101904	179094	359418	285896	98288	36822	32488
64388	103616	274178	295246	257382	79234	43256	34720
45298	91246	177172	251538	110862	34670	23156	24046
36756	135826	336006	564176	458224	154298	52212	41746
41136	64474	239342	341610	538198	99610	40282	35556
79948	151896	249648	229216	86240	37252	22622	24966
54336	83150	299458	428528	363262	97334	39022	30052
47356	100060	577594	625906	319284	82558	43272	40936
41728	89870	207358	381192	178996	60820	25996	25958
71566	191026	505100	711314	558138	201292	71190	46910
47170	164294	328918	341836	136300	60358	28454	30436
75724	201512	355842	434480	227258	64468	31480	38986
65368	113448	188300	365336	266776	83332	57206	47220
62162	87804	341622	325676	352274	72222	47220	47220
116564	235128	235128	325676	352274	72222	47220	47220

68280	103180	243140	395220	225700	152380	83620	57500	
67660	157560	295040	555380	1464280	385520	81960	62520	
55240	87960	476000(5)	508000(6)	415000(5)	143300	67250	39168	
67200	119280	251900	320280	299360	116848	45708	68900	
79640	113900	425740	608020	731400	356160	109940	51196	
96440	305220	380020	510720	300640	84156	53496		
98340	179320	305940	626460	287420	116400	52222	43944	
90440	88920	211470	353460	287160	106720	49496	40914	
63570	143360	448220	520620	601880	147580	53000	46344	
108000(1)	262140	671840	828600	521060	201920	71972	43830	
56700(2)	101900	176200	229820	247660	78860	39870	34660	
57240	101100	337920	428100	346980	162900	52410	41090	
155000(4)	346120	673380	683520	534560	335640	101600	62066	
63282	141130	382540	370360	324880	198500	64920	55524	
110680	232840	472120	605240	655220	226800	63690	57220	
66600	566900	609980	523560	310360	110040	55970	56390	
76340	159570	323960	549120	740860	233040	74906	59728	
76120	99580	342620	684180	677560	173980	83380	66080	2
51400	101800	374960	573740	413420	158660	82964	54290	2
74968	216040	469040	583660	307700	124130	58742	52654	2
59726	94782	176564	274130	191900	83978	40926	39672	1
63262	197486	555062	563720	594764	293818	80102	53680	2
47694	61740	267082	654106	643322	260216	65224	43950	2
77754	181542	346040	409954	461268	112120	56300	49922	2
52844	114916	395854	509192	240872	69736	36404	34262	1
66774	89234	189044	449730	333468	117328	40586	39034	1
94098	271472	394484	824032	718728	175390	63068	48784	2
53180	113692	319642	552674	659854	148066	65210	47974	2
50860	92700	273726	454010	376208	192504	67552	42946	1
72446	63550	136450	243200	76792	35296	24426	25320	8
129386	192378	501862	700486	367370	152598	60730	47302	2
64264	140448	232672	247704	105072	41132	30872	29480	1
104630	188084	378928	665294	725602	233700	74785	55734	2
79354	272846	316812	852194	305656	118292	51462	41304	2
49720	101904	179094	359418	285896	98288	36822	32488	1
64388	103616	274178	295246	257382	79234	43256	34720	1
45298	91246	177172	251538	110862	34670	23156	24046	9
36756	135826	336006	564176	458224	154298	52212	41746	1
41136	64474	239342	341610	538198	99610	40282	35556	1
79948	151896	249648	229216	86240	37252	22622	24966	1
54336	83150	299458	428528	363262	97334	39022	30052	1
47356	100060	577594	625906	319284	82558	43272	40936	1
41728	89870	207358	381192	178996	60820	25996	25958	1
71566	191026	505100	711314	558138	201292	71190	46910	2
47170	164294	328918	341836	136300	60358	28454	30436	1
75724	201512	355842	434480	227258	64468	31480	38986	1
65368	113448	188300	365336	266776	83332	53206	41318	1
62162	87804	341622	325676	362374	137452	46974	35340	1
116564	235138	1006532	722804	627754	359598	103756	56098	3
52610	68094	164000	303208	247726	106382	43684	34768	1
80144	99160	202368	473146	405996	139808	51316	39146	1
65804	218604	639804	651660	378824	137194	58374	45934	1
87278	181276	289398	545764	297238	114094	43050	37208	1

FLOW OF BOISE RIVER - IN ACRES FEET

YEARS BEGINNING 1894 - 1895.

May	June	July	August	September	TOTAL
395220	225700	152380	63620	58000	1,559,520
555380	1464280	385520	81960	57500	3,301,340
508000(6)	415000(5)	143300	67250	62520	2,045,910
320280	299360	116848	45708	39168	1,482,884
608020	731400	356160	109940	68900	2,915,442
510720	300640	84156	53496	51196	2,177,972
626460	287420	116400	52222	49944	1,985,996
353460	287160	106720	49496	40914	1,478,636
520620	601880	147580	53000	46344	2,269,936
828600	521060	201920	71972	43830	3,017,216
229820	247660	78860	39870	34660	1,183,050
428100	346980	162900	52410	41090	1,702,950
683520	534560	335640	101600	62066	3,207,016
370360	324880	198500	64920	55524	1,845,534
605240	655220	226800	63690	57220	2,747,690
513560	310360	110040	55970	56390	2,758,160
549120	740860	233040	74906	59728	2,494,344
684180	677560	173980	83380	66080	2,478,710
573740	413420	158660	82964	54290	2,060,494
583660	307700	124130	58742	52654	2,133,214
274130	191900	83978	40926	39672	1,194,106
563720	594764	293818	80102	53680	2,593,206
654106	643322	260216	65224	43950	2,257,786
409954	461268	112120	56300	49922	2,032,820
509192	240872	69736	36404	34262	1,674,800
449730	333468	117328	40586	39034	1,548,852
824032	718728	175390	63068	48784	2,905,228
552674	659854	148066	65210	47974	2,160,833
454010	376208	192504	67552	42946	1,766,536
243200	76792	35296	24426	25320	892,242
700486	367370	152598	60730	47302	2,336,520
247704	705072	41132	30872	29480	1,113,374
665294	725602	233700	74786	55734	2,677,270
852194	305656	118292	51462	41304	2,438,946
359418	285896	98288	36822	32488	1,336,000
295246	257382	79234	43256	34720	1,342,541
251538	110862	34670	23156	24046	946,844
564176	458224	154298	52212	41746	1,916,880
341610	538198	99610	40282	35556	1,580,350
229216	86240	37252	22622	24966	1,106,080
428528	363262	97334	39022	30052	1,585,108
625906	319284	82558	43272	40936	1,990,794
381192	178996	60820	25996	25958	1,167,414
711314	558138	201292	71190	46910	2,625,882
341836	136300	60358	28454	30436	1,379,002
434480	227258	64468	31480	38986	1,612,348
365336	266776	83332	53206	41318	1,400,910
325676	362374	137452	46974	35340	1,680,772
722804	627754	359598	103756	56098	2,560,848

(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.

395220	225700	152380	63620	58000	1,557,154
555380	1464280	385520	81960	57500	3,301,340
508000(6)	415000(5)	143300	67250	62520	2,045,910
320280	292360	116848	45708	39168	1,482,884
608020	731400	356160	109940	68900	2,915,442
510720	300640	84156	53496	51196	2,177,972
626460	287420	116400	52222	49944	1,985,996
353460	287160	106720	49496	40914	1,478,636
520620	601880	147580	53000	46344	2,269,936
828600	521060	201920	71972	43830	3,017,216
229820	247660	78860	39870	34660	1,183,050
428100	346980	162900	52410	41090	1,702,950
683520	534560	335640	101600	62066	3,207,016
370360	324880	198500	64920	55524	1,845,534
605240	655220	226800	63690	57220	2,747,690
513560	310360	110040	55970	56390	2,758,160
549120	740860	233040	74906	59728	2,494,344
684180	677560	173980	83380	66080	2,478,710
573740	413420	158660	82964	54290	2,060,494
553660	307700	124130	58742	52654	2,133,214
274130	191900	83978	40926	39672	1,194,106
563720	594764	293818	80102	53680	2,593,206
654106	643322	260216	65224	43950	2,257,786
409954	461268	112120	56300	49922	2,032,820
509192	240872	69736	36404	34262	1,674,800
449730	333468	117328	40586	39034	1,548,852
824032	718728	175390	63068	48784	2,905,228
552674	659854	148066	65210	47974	2,160,833
454010	376208	192504	67552	42946	1,766,536
243200	76792	35296	24426	25320	892,242
700486	367370	152598	60730	47302	2,336,520
247704	105072	41132	30872	29480	1,113,374
665294	725602	233700	74786	55734	2,677,270
852194	305656	118292	51462	41304	2,438,946
359418	285896	98288	36822	32488	1,336,000
295246	257382	79434	43256	34720	1,342,541
251538	110862	34670	23156	24046	946,844
564176	458224	154298	52212	41746	1,916,880
341610	538198	99610	40282	35556	1,580,350
229216	86240	37252	22622	24966	1,106,080
428528	363262	97334	39022	30052	1,585,108
625906	319284	82558	43272	40936	1,990,794
381192	178996	60820	25996	25958	1,167,414
711314	558138	201292	71190	46910	2,625,882
341836	136300	60358	28454	30436	1,379,002
434480	227258	64468	31480	38986	1,612,348
365336	266776	83332	53206	41318	1,400,910
325676	362374	137452	46974	35340	1,680,772
722804	627754	359598	103756	56098	3,569,848
303208	247726	106382	43684	34768	1,258,158
473146	405996	139808	51316	39146	1,683,282
651660	378824	137194	58374	45934	2,449,932
545764	297238	114094	43050	37208	1,904,668

- (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.

BY DAY

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	512	971	971	971	968	1158	1151	1268	1275	1264
2	Penitentiary	0	0	0	0	0	0	0	0	0	0
3	Eubb (South Boise)	0	0	0	0	0	0	0	0	0	0
4	Ridenbaugh	108	114	113	111	118	138	155	165	165	267
5	Settlers	0	0	0	0	0	0	0	0	0	0
6	Thurman Mill	0	0	0	0	0	0	0	0	0	0
7	Cruzen (Consumers)	0	0	0	0	0	8	8	8	8	9
8	Boise City Canal	0	0	0	0	0	0	0	0	0	0
9	Farmers Union & B. V.	7	23	23	22	19	19	19	11	11	7
10	New Union Ditch Co.	0	0	0	0	0	0	0	0	0	0
11	New Dry Creek Ditch Co.	0	0	0	0	0	0	0	0	0	0
12	Ballantine	0	0	0	0	0	0	0	0	0	0
13	x Middleton Canals	0	0	0	0	0	0	0	0	0	0
14	Little Pioneer	0	0	0	0	0	0	0	0	0	0
15	Canyon County	0	0	0	0	0	0	0	0	0	0
16	x Eagle Island Canals	0	0	0	0	0	0	0	0	0	0
17	Phyllis	116	132	142	151	160	170	180	190	190	209
18	Eureka #1	0	0	0	0	0	0	0	0	0	0
19	Caldwell High Line	0	0	0	0	0	0	0	0	0	0
20	Farmers Coop.	0	0	0	0	0	0	0	0	0	0
21	Campbell	0	0	0	0	0	0	0	0	0	0
22	Siebenberg	0	0	0	0	0	0	0	0	0	0
23	Riverside #2	0	0	0	0	0	0	0	0	0	0
24	Pioneer Dixie	0	0	0	0	0	0	0	0	0	0
25	Eureka #2	0	0	0	0	0	0	0	0	0	0
26	Upper Center Point	0	0	0	0	0	0	0	0	0	0
27	Lower Center Point	0	0	0	0	0	0	0	0	0	0
28	x Miscellaneous	0	0	0	0	0	0	0	0	0	0
	Total Canal Diversions	743	1240	1249	1255	1265	1493	1513	1642	1649	1756
29	River at Notus	3700	4460	4850	4830	4710	3660	3450	2590	2460	2390
	Totals	4443	5700	6099	6085	5975	5153	4963	4232	4109	4146

x Middleton Canals include - Middleton Irrigation Association & Middleton Mill Ditch Co.

x Eagle Island Canals include - Lemp Ditch, Conway & Hamming, Thos. Aiken, Catlin & Mace, Hart & Davis

x Miscellaneous Canals include - Meeves, Rossi Mill, Davis, Little Davis & Jacobs or Julia Davis

DISCHARGE IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1947, INCLUDING STORAGE

APRIL

8	9	10	11	12	13	14	15	16	17	18	19	20	21
1268	1275	1264	1345	1471	1745	1745	1934	2100	2358	2524	2606	2673	2768
0	0	0	0	0	0	0	0	4	4	6	6	6	6
0	0	0	0	0	0	0	0	0	0	0	0	0	20
165	165	267	205	232	274	284	334	378	396	414	444	444	444
0	0	0	0	0	0	19	38	49	65	88	99	106	118
0	0	0	0	0	0	0	0	0	18	18	18	20	20
8	8	9	9	9	9	10	10	10	11	11	12	12	13
0	0	0	0	0	0	0	0	15	12	12	13	15	16
11	11	7	16	12	11	32	37	46	75	96	99	115	126
0	0	0	0	0	2	2	4	4	6	6	7	7	8
0	0	0	0	0	0	0	0	0	0	0	0	0	30
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	124	119	135	119	97	114	140
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	7	7	7	7	7	7	12	16	20	27	33
0	0	0	0	0	0	0	0	0	0	0	0	0	0
190	190	209	209	190	209	209	224	262	304	308	334	366	398
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	62	62	94	176	171	171	176	187
0	0	0	0	0	0	0	0	0	0	0	0	20	20
0	0	0	0	0	0	0	0	0	0	0	0	0	10
0	0	0	0	0	30	27	35	32	40	37	39	43	47
0	0	0	0	0	30	33	35	38	40	43	45	48	50
0	0	0	0	0	0	0	0	0	38	40	42	46	50
0	0	0	0	0	0	0	0	0	0	12	14	14	15
0	0	0	0	0	0	0	0	0	0	9	9	9	9
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1642	1649	1756	1791	1921	2317	2430	2844	3158	3690	3930	4075	4261	4528
2590	2460	2390	2300	2040	1940	1600	1310	1040	1090	854	794	827	794
4232	4109	4146	4091	3961	4257	4030	4154	4198	4780	4784	4869	5088	5322

Mill Ditch Co.

on, Catlin & Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin & Seven Suckers
& Jacobs or Julia Davis

19	20	21	22	23	24	25	26	27	28	29	30	Total
606	2673	2768	2808	2746	2774	2808	2824	2880	2948	2819	2903	59288
6	6	6	6	6	6	6	6	6	6	6	6	86
0	0	20	20	21	22	22	22	22	22	22	23	216
444	444	444	476	537	508	505	502	502	502	502	486	9823
99	106	118	130	134	153	153	177	185	191	199	200	2104
18	20	20	22	24	26	29	32	35	38	41	44	385
12	12	13	13	14	14	14	14	15	15	15	15	286
13	15	16	16	22	23	23	23	26	31	32	32	311
99	115	126	149	173	196	207	222	78	217	238	228	2534
7	7	8	8	9	11	11	12	12	13	13	14	149
0	0	30	34	38	43	47	51	54	57	59	62	475
0	0	0	0	8	8	9	9	10	10	11	12	77
97	114	140	119	120	98	80	91	69	294	254	254	2227
0	0	0	30	32	35	37	40	42	45	47	50	358
20	27	33	38	50	64	96	98	100	102	104	106	908
0	0	0	10	14	18	21	24	27	30	34	37	215
334	366	398	419	430	446	436	466	439	437	437	437	8600
0	0	0	0	0	0	0	0	27	29	29	29	114
0	0	0	20	25	33	48	50	51	56	54	57	394
171	176	187	220	220	255	291	316	321	341	359	363	3785
0	20	20	20	26	28	26	30	34	34	34	34	306
0	0	10	11	12	13	14	13	12	10	10	10	115
39	43	47	53	58	68	83	89	94	97	101	108	1081
45	48	50	53	55	57	59	60	62	64	67	69	908
42	46	50	58	66	70	73	77	80	83	86	87	896
14	14	15	15	16	16	16	16	17	18	16	19	204
9	9	9	9	9	9	9	9	9	9	11	14	124
0	0	0	0	10	14	17	19	21	23	25	27	156
4075	4261	4528	4757	4875	5008	5140	5292	5230	5722	5625	5726	96125
794	827	794	626	492	279	140	90	73	438	1420	2150	57397
4869	5088	5322	5383	5367	5287	5280	5382	5303	6160	7045	7876	153522

Seven Suckers

BY DAY

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1.	New York Canal (MC #2)	2875	2914	2965	2959	2914	2959	2948	2920	2959	2897
2	Penitentiary	11	11	11	11	11	11	11	11	11	11
3	Eubb (South Boise)	23	24	24	24	25	25	25	27	27	27
4	Hidenbaugh	512	508	518	529	512	530	530	547	524	514
5	Settlers	201	202	203	204	205	204	204	206	206	206
6	Thurman Mill	47	50	52	55	57	56	56	55	54	54
7	Cruzen (Consumers)	16	16	16	17	17	17	18	18	18	19
8	Boise City Canal	32	33	35	35	38	36	36	37	35	36
9	Farmers Union & B. V.	228	228	228	228	232	230	228	201	204	219
10	New Union Ditch Co.	15	15	16	16	17	17	18	18	18	18
11	New Dry Creek Ditch Co.	65	68	71	74	77	81	85	89	88	86
12	Ballantine Ditch Co.	13	15	17	19	22	24	26	27	27	27
13	x Middleton Canals	265	282	302	261	263	263	260	256	260	246
14	Little Pioneer	50	50	51	51	51	52	52	52	52	51
15	Canyon County	108	110	112	111	111	110	109	109	108	107
16	x Eagle Island Canals	40	43	46	48	51	53	54	54	54	54
17	Phyllis	437	437	201	387	409	411	411	417	417	407
18	Eureka #1	29	29	11	32	51	59	59	59	59	59
19	Caldwell High Line	60	63	60	67	70	71	74	79	79	78
20	Farmers Coop.	366	381	385	378	392	396	399	398	397	393
21	Campbell	34	34	34	34	34	35	35	35	34	33
22	Siebenberg	10	9	9	8	9	11	14	14	14	14
23	Riverside #2	114	120	125	130	138	140	143	147	147	150
24	Pioneer Dixie	70	71	73	75	74	77	79	77	78	76
25	Eureka #2	89	90	91	92	93	94	95	96	99	98
26	Upper Center Point	20	21	20	24	24	25	26	25	24	24
27	Lower Center Point	16	18	21	19	23	24	26	26	24	20
28	x Miscellaneous	27	28	28	29	29	29	30	30	30	30
	Total Canal Diversions	5773	5870	5725	5917	5949	6040	6051	6030	6047	5954
29	River at Notus	2100	1790	2170	3420	3720	3640	4000	4790	6430	7410
	Totals	7873	7660	7895	9337	9669	9680	10051	10820	12477	13364

x Middleton Canals include - Middleton Irrigation Association & Middleton Mill Ditch Co.

x Eagle Island Canals include - Kemp Ditch, Conway & Hamming, Thos. Aiken, Catlin & Mace, Hart & Da

x Miscellaneous Canals include - Meeves, Rossi Mill, Davis, Little Davis & Jacobs or Julia Davis

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1947, INCLUDING STORAGE

MAY

8	9	10	11	12	13	14	15	16	17	18	19	20	21
2920	2959	2897	2954	2936	2892	2931	2920	2908	2925	2903	2908	2903	2892
11	11	11	11	11	12	12	12	12	12	12	12	12	12
27	27	27	26	26	25	25	24	24	24	24	23	23	23
547	524	514	519	525	519	519	519	515	514	520	553	560	560
206	206	206	174	174	184	184	156	140	141	146	168	188	192
55	54	54	53	52	51	51	51	50	49	48	47	47	45
18	18	19	19	19	19	20	20	20	21	21	21	22	22
37	35	36	35	34	34	34	34	34	34	34	34	35	35
201	204	219	220	220	210	212	215	178	222	222	222	224	224
18	18	18	18	17	17	17	17	17	16	16	16	16	16
89	88	86	83	81	84	85	83	82	84	81	83	82	81
27	27	27	27	28	28	28	28	28	28	29	29	29	29
256	260	246	204	196	190	189	185	136	147	169	171	198	226
52	52	51	51	51	51	51	50	50	50	50	51	51	51
109	108	107	107	108	106	109	107	104	106	110	111	109	108
54	54	54	54	54	54	54	54	54	54	54	54	54	54
417	417	407	422	422	422	422	403	421	425	425	425	430	436
59	59	59	44	44	44	44	43	43	43	43	43	42	41
79	79	78	78	77	76	77	78	78	79	79	80	80	80
398	397	393	392	381	381	374	368	380	379	379	378	376	369
35	34	33	33	32	32	31	31	30	30	29	27	26	26
14	14	14	13	13	13	13	12	12	12	12	11	11	11
147	147	150	153	154	151	158	163	163	164	167	169	169	172
77	78	76	75	73	74	72	70	68	68	67	66	65	64
96	99	98	99	100	101	102	103	104	105	106	107	108	109
25	24	24	23	23	22	22	21	21	20	20	19	19	18
26	24	20	23	27	28	24	22	23	22	24	25	26	26
30	30	30	30	30	30	30	30	30	30	30	30	30	30
6030	6047	5954	5940	5908	5850	5890	5819	5725	5804	5820	5883	5935	5952
4790	6430	7410	6220	5840	5250	4550	3450	1620	903	762	692	723	1690
10820	12477	13364	12160	11748	11100	10440	9269	7345	6707	6582	6575	6658	7642
8195													

Mill Ditch Co.

Catlin & Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin & Seven Suckers
& Jacobs or Julia Davis

Chart No. 5-A

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
2908	2903	2892	2897	2880	2886	2886	2892	2875	2864	2864	2864	2880	90170
12	12	12	12	12	12	12	12	12	12	12	12	12	360
23	23	23	24	24	24	22	19	17	16	14	13	13	704
553	560	560	563	557	556	556	559	556	554	554	554	554	16610
168	188	192	192	192	192	192	192	192	191	191	191	191	5804
47	47	45	44	43	43	43	44	44	44	45	45	45	1520
21	22	22	22	23	23	23	23	23	23	23	23	23	625
34	35	35	35	35	37	37	37	37	37	35	35	33	1088
222	224	224	224	223	220	227	228	225	224	225	223	223	6837
16	16	16	16	16	16	16	16	16	16	16	16	16	511
83	82	81	83	82	84	81	83	81	80	80	81	76	2504
29	29	29	29	29	28	28	27	27	26	26	26	26	800
171	198	226	229	227	229	217	217	210	213	176	163	156	6706
51	51	51	51	50	49	47	48	46	44	41	43	43	1531
111	109	108	108	103	98	93	88	82	76	70	68	66	3132
54	54	54	54	54	54	54	54	54	54	54	54	54	1631
425	430	436	425	423	425	419	418	416	414	415	413	413	12768
43	42	41	41	41	41	41	40	40	40	39	39	39	1322
80	80	80	80	81	81	81	81	82	82	82	80	76	2369
378	376	369	379	365	363	363	359	357	350	347	329	325	11579
27	26	26	24	22	21	20	19	18	16	14	13	12	848
11	11	11	11	11	11	11	11	11	11	11	10	9	352
169	169	172	175	179	177	180	183	189	195	199	202	208	5024
66	65	64	65	65	66	67	68	69	70	65	60	55	2162
107	108	109	107	105	103	102	101	100	99	94	89	84	3065
19	19	18	19	20	21	22	23	24	25	22	19	17	673
25	26	26	26	25	25	24	24	23	22	22	20	17	715
30	30	30	30	30	30	30	30	30	30	30	30	30	920
5883	5935	5952	5965	5917	5915	5894	5896	5856	5828	5766	5715	5696	182330
692	723	1690	2230	2300	2290	2510	2740	2780	2760	2160	1780	2250	94970
6575	6658	7642	8195	8217	8205	8404	8636	8636	8588	7926	7495	7946	227300

Seven Suckers

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	2875	2864	2824	2785	2628	2519	2467	2451	2035	2065
2	Penitentiary	7	7	7	7	7	7	7	7	6	6
3	Bubb (South Boise	13	13	13	13	13	13	13	13	13	13
4	Ridenbaugh	537	504	506	501	501	501	498	488	456	459
5	Settlers	194	187	186	179	169	168	164	163	180	179
6	Thurman Mill	44	44	43	43	42	42	41	41	40	39
7	Cruzen (Consumers)	22	22	22	21	21	21	20	20	20	20
8	Boise City Canal	32	32	32	32	32	32	34	26	26	26
9	Farmers Union & B. V.	220	219	216	209	199	206	206	196	170	172
10	New Union Ditch Co.	15	15	15	15	14	14	14	14	13	13
11	New Dry Creek Ditch Co.	74	70	72	71	69	64	61	57	42	13
12	Ballantine Ditch Co.	26	26	26	26	26	26	26	26	26	26
13	x Middleton Canals	128	127	88	80	102	108	100	118	114	115
14	Little Pioneer	43	43	42	41	40	37	37	34	34	37
15	Canyon County	63	61	58	56	55	53	52	50	49	48
16	x Eagle Island Canals	54	54	54	54	54	54	54	54	54	54
17	Phyllis	375	358	363	369	365	351	350	349	315	267
18	Eureka #1	39	39	38	37	38	38	39	40	39	41
19	Caldwell High Line	70	64	58	54	54	54	54	53	53	53
20	Farmers Coop.	314	255	250	209	207	225	191	130	128	111
21	Campbell	12	11	11	10	10	10	10	10	9	9
22	Siebenberg	8	7	6	5	5	5	5	5	5	5
23	Riverside #2	211	217	219	223	219	214	210	205	200	196
24	Pioneer Dixie	50	45	40	35	36	37	38	39	41	41
25	Eureka #2	79	74	69	65	68	70	72	74	76	78
26	Upper Center Point	15	13	11	9	9	8	8	8	7	7
27	Lower Center Point	16	14	11	9	9	8	8	7	7	7
28	x Miscellaneous	30	30	30	30	30	30	30	30	30	30
	Total Canal Diversions	5566	5415	5310	5188	5022	4915	4809	4708	4188	4130
29	River at Notus	2660	2970	2900	2150	1760	1550	1490	1570	2620	3420
	Totals	8226	8385	8210	7338	6782	6465	6299	6278	6808	7550

x Middleton Canals include - Middleton Irrigation Association & Middleton Mill Ditch Co.

x Eagle Island Canals include - Lemp Ditch, Conway & Hamming, Thos. Aiken, Catlin & Mace, Hart & Davis

x Miscellaneous Canals include - Meeves, Rossi Mill, Davis, Little Davis & Jacobs or Julia Davis

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS

BY DAYS DURING THE IRRIGATION SEASON OF 1947, INCLUDING STORAGE

JUNE

7	8	9	10	11	12	13	14	15	16	17	18	19	20	
2467	2451	2035	2065	2160	2150	2115	2210	2600	2595	2791	2791	2791	2791	2
7	7	6	6	6	6	6	6	6	6	6	6	6	6	
13	13	13	13	13	13	13	13	13	14	14	14	15	15	
498	488	456	459	450	464	489	511	515	517	506	707	518	528	
164	163	180	179	97	99	99	106	148	162	171	174	178	178	
41	41	40	39	38	37	37	39	41	43	45	47	49	48	
20	20	20	20	19	19	19	19	19	19	19	19	18	18	
34	26	26	26	26	26	26	26	31	32	32	32	34	34	
206	196	170	172	172	0	154	168	168	178	193	192	203	211	2
14	14	13	13	13	13	14	14	14	15	15	15	16	16	
61	57	42	13	34	38	41	44	47	50	53	58	64	68	
26	26	26	26	26	24	24	21	20	19	17	15	14	21	
100	118	114	115	116	118	101	86	67	39	29	84	140	137	13
37	34	34	37	39	41	44	47	43	45	46	47	47	40	3
52	50	49	48	46	45	43	42	47	52	57	61	65	53	4
54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
350	349	315	267	255	254	257	252	255	298	0	0	312	351	364
39	40	39	41	34	35	36	37	38	41	40	39	41	54	58
54	53	53	53	53	53	53	52	52	52	51	51	50	48	47
191	130	128	111	109	144	191	191	207	207	319	321	321	338	322
10	10	9	9	9	9	9	8	8	8	8	8	15	19	21
5	5	5	5	5	5	5	5	5	3	3	2	4	6	7
210	205	200	196	191	187	181	180	172	167	164	159	153	148	142
38	39	41	41	43	43	46	44	49	51	52	54	55	55	56
72	74	76	78	80	82	84	86	88	90	93	96	89	82	75
8	8	7	7	6	6	5	5	4	4	3	3	4	4	5
8	7	7	7	6	6	5	5	4	4	3	3	4	4	5
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
4809	4708	4188	4130	4130	4001	4181	4301	4745	4795	4814	5081	5288	5355	5340
1490	1570	2620	3420	3840	3360	2580	1790	1160	814	662	910	910	875	827
6299	6278	6808	7550	7970	7361	6761	6091	5905	5609	5476	5991	6198	6230	6167

leton Mill Ditch Co.

Aiken, Catlin & Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin & Seven Suckers
Davis & Jacobs or Julia Davis

Chart No. 5-B

19	20	21	22	23	24	25	26	27	28	29	30	Total
2791	2791	2796	2796	2785	2584	2415	2404	2364	2311	2326	2316	75604
6	6	6	6	6	6	6	6	6	6	6	6	188
15	15	15	16	16	17	17	18	18	18	18	18	438
518	528	528	530	537	537	537	541	545	544	544	544	15543
178	178	178	177	177	176	180	180	174	178	179	179	4959
49	48	47	46	44	42	40	38	36	35	34	33	1238
18	18	18	18	18	18	18	18	18	18	18	19	578
34	34	34	32	34	36	37	36	36	36	36	36	956
203	211	216	152	137	217	227	222	219	222	222	220	5706
16	16	16	16	16	15	15	15	15	15	15	15	440
64	68	72	76	78	80	83	85	87	84	80	76	1891
14	21	20	18	16	0	12	15	19	19	19	19	618
140	137	131	60	0	127	151	211	209	223	223	214	3546
47	40	38	34	27	10	20	49	48	46	40	41	1180
65	53	41	28	25	15	98	100	99	98	97	97	1754
54	54	54	54	54	54	54	54	54	54	54	54	1620
312	351	364	360	368	383	323	390	388	385	406	431	9494
41	54	58	62	63	67	73	74	70	67	60	39	1416
50	48	47	44	40	29	19	34	38	46	53	64	1496
321	338	322	324	324	286	232	252	329	309	297	305	7348
15	19	21	23	25	27	28	31	26	22	18	17	441
4	6	7	8	9	10	13	16	14	12	12	12	212
153	148	142	137	131	125	119	114	100	104	0	96	4884
55	55	56	56	57	58	59	60	65	70	20	70	1465
89	82	75	68	61	55	49	43	67	104	73	81	2271
4	4	5	5	6	6	7	7	10	13	15	17	230
2	2	3	3	4	4	5	6	7	9	10	10	196
30	30	30	30	30	30	30	30	30	30	30	30	900
5288	5355	5340	5179	5088	5014	4867	5049	5091	5078	4905	5059	146612
910	875	827	551	296	106	60	54	56	57	57	99	42154
6198	6230	6167	5730	5384	5120	4927	5103	5147	5135	4962	5158	188766

Seven Suckers

	1939	1940	1941	1942	1943	1944	
Board of Control	572,374	567,126	600,416	660,248	767,530	616,514	6
New York Stock							
Penitentiary	2,006	1,746	1,582	1,570	2,062	1,764	
Bubb	4,278	3,918	4,740	4,154	4,874	4,338	
Ridenbaugh	147,684	148,658	160,804	144,804	161,430	126,146	12
Settlers	43,292	40,520	46,556	43,064	50,082	40,062	4
Thurman Mill	11,532	9,632	9,410	11,612	9,098	9,670	1
Consumers	8,326	6,826	5,658	6,630	6,884	5,888	
Boise City	9,944	9,114	10,086	9,296	9,966	8,940	
Farmers Union	33,645	26,168	35,618	35,736	38,180	29,700	3
Capital View	3,498	3,468	3,560	2,282	2,174	2,022	
Boise Valley	17,631	16,274	17,494	16,676	15,802	13,598	1
New Union	4,036	3,904	4,582	3,524	3,896	3,836	4
New Dry Creek	15,252	14,502	17,978	17,752	18,080	17,572	20
Ballantine	3,698	3,562	3,250	3,316	3,962	3,610	3
Middleton Water Co.	31,488	33,620	34,504	30,278	38,602	39,530	29
Middleton Mill Ditch	15,042	15,640	14,564	13,858	16,760	11,124	14
Little Pioneer	8,318	7,044	7,920	7,108	7,994	7,250	9
Canyon Water Co.	19,960	17,878	20,308	18,486	19,968	18,708	19
7 Eagle Island Canals	12,398	10,256	12,326	12,720	11,394	12,450	12
Phyllis	98,038	92,608	104,914	93,564	117,060	85,268	84
Eureka Water Co.	8,406	7,576	9,340	8,402	8,348	7,962	8
Caldwell High Line	21,466	20,974	20,100	17,852	17,618	20,424	20
Farmers Coop.	68,918	69,200	78,736	80,164	98,038	70,786	77
Campbell	6,364	3,824	4,272	5,040	5,510	4,422	5
Siebenberg	3,260	2,862	2,774	2,102	2,298	2,488	2
Riverside No. 2	48,444	47,128	60,012	52,152	54,118	41,684	48
Pioneer Dixie	13,248	12,184	11,994	13,566	12,706	15,336	15
Eureka No. 2	15,256	15,416	14,750	12,896	16,294	11,830	14
Upper Center Point	3,472	3,538	3,764	3,588	3,782	4,126	4
Lower Center Point	3,944	4,596	4,890	4,196	3,344	4,912	3
Miscellaneous	8,360	6,856	8,324	8,284	7,800	7,036	7
Total Summer Diversions							
April 1 to September 30	1,263,578	1,226,618	1,335,226	1,344,640	1,535,654	1,248,996	1,344
New York Canal Diversions							
October 1 to March 31	133,534	172,234	175,014	151,154	152,266	145,568	151
Irrigation Requirements Below Diversion							
Dam During October	20,550	19,562	22,856	28,638	25,370	25,074	14
Amount passing Diversion Dam							
November 1 to April 1	65,456	35,898	29,972	39,348	437,346	32,026	29
Total	1,483,118	1,454,312	1,563,068	1,563,780	2,150,636	1,451,664	1,539
Summer Return Flow	235,740	263,936	334,394	281,650	275,866	248,672	264
Natural Flow Used	1,247,378	1,190,476	1,228,674	1,282,130	1,874,770	1,202,992	1,275

Combined with Board of Control

1941	1942	1943	1944	1945	1946	1947
600,416	660,248	767,530	616,514	681,738	721,472	772,628
1,582	1,570	2,062	1,764	1,656	2,212	2,806
4,740	4,154	4,874	4,338	5,316	5,172	5,204
160,804	144,804	161,430	126,146	129,942	154,442	157,198
46,556	43,064	50,082	40,062	42,006	47,080	49,380
9,410	11,612	9,098	9,670	11,770	9,086	10,456
5,658	6,630	6,884	5,888	7,078	6,726	6,566
10,086	9,296	9,966	8,940	8,468	9,352	9,398
35,618	35,736	38,180	29,700	32,990	38,252	38,616
3,560	2,282	2,174	2,022	2,120	2,180	2,076
17,494	16,676	15,802	13,598	14,976	17,686	16,866
4,582	3,524	3,896	3,836	4,016	3,984	4,376
17,978	17,752	18,080	17,572	20,094	19,218	18,772
3,250	3,316	3,962	3,610	3,706	4,076	5,036
34,504	30,278	38,602	39,530	29,456	28,628	27,582
14,564	13,858	16,760	11,124	14,728	19,084	18,388
7,920	7,108	7,994	7,250	9,202	10,692	10,586
20,308	18,486	19,968	18,708	19,900	20,354	21,648
12,326	12,720	11,394	12,450	12,060	13,772	13,746
104,914	93,564	117,060	85,268	84,672	107,768	107,128
9,340	8,402	8,348	7,962	8,034	8,332	9,502
20,100	17,852	17,618	20,424	20,730	18,832	16,348
78,736	80,164	98,038	70,786	77,664	93,136	85,200
4,272	5,040	5,510	4,422	5,164	5,944	5,446
2,774	2,102	2,298	2,488	2,350	2,658	2,844
60,012	52,152	54,118	41,684	48,758	43,604	50,496
11,994	13,566	12,706	15,336	15,078	13,472	16,430
14,750	12,896	16,294	11,830	14,818	19,674	23,718
3,764	3,588	3,782	4,126	4,090	4,438	4,392
4,890	4,196	3,344	4,912	3,784	3,788	4,410
8,324	8,284	7,800	7,036	7,926	7,822	7,760

1,335,226	1,344,640	1,535,654	1,248,996	1,344,290	1,462,936	1,525,002
175,014	151,154	152,266	145,568	151,102	153,260	166,220
22,856	28,638	25,370	25,074	14,858	18,364	22,846
29,972	39,348	437,346	32,026	29,302	69,026	115,740
1,563,068	1,563,780	2,150,636	1,451,664	1,539,552	1,703,586	1,829,808
334,394	281,650	275,866	248,672	264,190	291,322	339,546
1,228,674	1,202,130	1,874,770	1,202,992	1,275,362	1,412,264	1,490,262

Chart No. 7-A

1947

772,628

2,806

5,204

157,198

49,380

10,456

6,566

9,398

38,616

2,076

16,866

4,376

18,772

5,036

27,582

18,388

10,586

21,648

13,746

107,128

9,502

16,348

85,200

5,446

2,844

50,496

16,430

23,718

4,392

4,410

7,760

1,525,002

166,220

22,846

115,740

1,829,808

339,546

1,490,262

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1814	1838	1886	1862	1910	1920	1982	1954	1968	1982
2	Penitentiary	10	10	10	10	10	10	10	10	10	10
3	Bubb (South Boise)	8	9	9	10	10	11	12	13	13	13
4	Hidenbaugh	468	454	462	460	465	464	459	366	383	383
5	Settlers	149	148	149	148	149	153	121	105	105	106
6	Thurman Mill	16	17	18	19	20	21	20	19	19	18
7	Cruzen (Consumers)	25	24	24	23	23	22	22	21	21	22
8	Boise City Canal	17	18	19	20	20	20	21	25	22	21
9	Farmers Union & B. V.	155	155	155	155	156	155	155	156	153	154
10	New Union Ditch Co.	13	13	13	14	14	14	15	15	15	15
11	New Dry Creek Ditch Co.	50	50	49	49	51	50	50	49	49	49
12	Ballantine Ditch Co.	14	14	13	13	12	12	11	11	12	12
13	x Middleton Canals	114	102	103	108	109	108	110	97	100	99
14	Little Pioneer	21	21	21	21	21	21	21	22	22	22
15	Canyon County	48	43	40	36	37	44	44	43	42	47
16	x Eagle Island Canals	32	32	32	32	32	32	32	32	32	32
17	Phyllis	299	288	270	270	267	243	259	270	289	278
18	Eureka #1	18	19	17	16	20	43	46	35	23	34
19	Caldwell High Line	46	46	46	46	46	46	46	45	45	45
20	Farmers Coop.	165	158	172	144	151	213	158	155	135	142
21	Campbell	15	15	15	15	15	15	15	15	15	16
22	Siebenberg	16	10	7	7	9	9	9	10	10	10
23	Riverside #2	185	156	157	150	151	158	157	155	116	123
24	Pioneer Dixie	32	31	30	28	27	28	23	23	59	59
25	Eureka #2	58	58	56	50	47	45	40	29	28	22
26	Upper Center Point	15	17	16	13	14	8	8	8	6	7
27	Lower Center Point	10	11	11	11	12	12	12	11	11	13
28	x Miscellaneous	18	18	18	18	18	18	18	18	18	18
	Total Canal Diversions	3831	3775	3818	3748	3816	3895	3876	3712	3721	3752
29	River at Notus	41	45	46	47	41	40	42	37	33	34
	Totals	3872	3820	3864	3795	3857	3935	3918	3749	3754	3786

x Middleton Canals include - Middleton Irrigation Association & Middleton Mill Ditch Co.

x Eagle Island Canals include - Lemp Ditch, Conway & Hamming, Thos. Aiken, Catlin & Mace, Hart & Davis

x Miscellaneous Canals include - Meeves, Rossi Mill, Davis, Little Davis & Jacobs or Julia Davis

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1947, INCLUDING STORAGE

AUGUST

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
54	1968	1982	1973	1982	1982	1982	2011	2006	2011	1963	1944	1963	1920	186
10	10	10	10	10	10	10	10	10	10	10	10	10	10	1
13	13	13	12	12	12	11	11	11	12	12	13	13	13	1
866	383	383	381	382	382	383	382	383	382	383	381	380	379	37
105	105	106	107	108	109	110	107	107	106	105	101	105	100	9
19	19	18	18	17	17	16	16	16	17	17	17	18	18	1
21	21	22	22	23	23	24	24	23	22	21	20	18	18	1
25	22	21	21	20	19	19	22	24	24	24	23	21	21	2
156	153	154	151	162	158	149	164	152	154	149	149	154	151	14
15	15	15	14	14	14	14	14	13	13	13	12	12	12	1
49	49	49	48	48	48	47	47	47	46	46	46	46	46	4
11	12	12	12	12	12	12	11	11	11	11	11	11	11	1
97	100	99	100	101	103	103	110	106	101	101	101	102	102	97
22	22	22	22	22	22	22	23	23	24	24	24	24	25	25
43	42	47	46	44	49	51	50	48	46	46	45	46	47	33
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
270	289	278	271	276	267	309	314	319	314	311	305	304	311	298
35	23	34	41	49	57	18	19	20	20	23	23	23	23	22
45	45	45	44	44	44	44	44	45	45	45	45	46	46	46
155	135	142	189	189	169	200	216	222	216	232	225	238	173	180
15	15	16	16	16	16	15	14	14	13	13	12	12	12	21
10	10	10	11	11	12	11	9	14	14	11	11	12	11	12
155	116	123	135	132	134	129	126	126	125	125	123	129	144	137
23	59	59	54	57	53	53	52	54	53	54	55	56	57	58
29	28	22	21	41	51	60	52	46	49	51	52	53	53	54
8	6	7	13	20	18	15	13	9	9	10	10	11	11	10
11	11	13	15	18	21	22	22	18	18	19	19	19	20	21
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3712	3721	3752	3797	3860	3852	3879	3933	3917	3905	3869	3827	3876	3784	3688
37	33	34	36	32	35	39	56	42	44	46	46	49	48	44
3749	3754	3786	3833	3892	3887	3918	3989	3959	3949	3915	3873	3925	3832	3732

11 Ditch Co.

Catlin & Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin & Seven Suckers

Jacobs or Julia Davis

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
944	1963	1920	1867	1800	1676	1680	1671	1662	1662	1634	1588	1545	57638
10	10	10	10	10	19	9	9	9	9	9	9	9	302
13	13	13	13	13	12	12	12	12	12	11	11	11	359
381	380	379	371	376	375	369	369	365	383	351	376	383	12280
101	105	100	98	98	100	98	102	108	108	107	107	106	3530
17	18	18	18	19	19	20	20	20	20	20	21	21	572
20	18	18	19	19	20	20	21	21	21	21	20	20	667
23	21	21	22	22	22	22	22	26	22	23	23	23	668
149	154	151	148	148	148	149	148	148	147	138	148	146	4710
12	12	12	12	11	11	11	10	10	10	10	10	10	391
46	46	46	45	45	44	44	43	43	43	42	42	41	1443
11	11	11	11	11	10	10	9	9	9	9	9	8	344
101	102	102	97	102	102	102	101	101	93	91	76	67	3112
24	24	25	25	25	26	26	27	29	30	32	31	31	750
45	46	47	33	33	40	48	36	47	46	46	40	50	1361
32	32	32	32	32	32	32	32	32	32	32	32	32	992
305	304	311	298	317	332	0	0	0	0	0	0	0	6981
23	23	23	22	20	20	20	20	20	20	20	20	20	789
45	46	46	46	43	40	39	36	34	31	28	29	30	1305
225	238	173	180	165	176	173	176	160	153	146	128	128	5447
12	12	12	21	10	10	9	9	8	8	9	10	11	399
11	12	11	12	13	8	2	2	3	3	3	3	3	276
123	129	144	137	130	124	128	122	99	114	90	76	84	4040
55	56	57	58	57	56	48	48	49	48	52	53	57	1464
52	53	53	54	54	54	54	56	55	65	42	53	42	1491
10	11	11	10	10	9	10	10	10	12	8	10	9	349
19	19	20	21	20	20	19	19	19	12	11	10	11	487
18	18	18	18	18	18	18	18	18	18	18	18	18	558
827	3876	3784	3688	3621	3513	3172	3148	3117	3131	3003	2953	2916	112705
46	49	48	44	44	38	39	48	48	42	36	36	37	1291
873	3925	3832	3732	3665	3551	3211	3196	3165	3173	3039	2989	2953	113996

ven Suckers

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1499	1471	1532	1588	1690	1699	1699	1625	1516	1327
2	Penitentiary	6	6	6	5	5	5	5	5	5	5
3	Bubb (South Boise)	11	12	12	12	12	12	12	13	13	13
4	Ridenbaugh	362	371	361	354	362	361	359	359	351	345
5	Settlers	108	110	116	113	115	115	117	118	119	120
6	Thurman Mill	21	21	21	22	22	22	22	22	23	23
7	Cruzen (Consumers)	20	20	20	20	19	19	19	18	18	18
8	Boise City Canal	21	22	27	24	24	24	24	25	23	23
9	Farmers Union & B. V.	145	146	146	145	146	144	141	141	82	82
10	New Union Ditch Co.	10	10	10	10	10	10	10	10	10	10
11	New Dry Creek Ditch Co.	40	39	38	38	37	37	36	36	35	35
12	Ballantine Ditch Co.	8	8	8	7	7	7	7	7	7	6
13	x Middleton Canals	81	97	89	93	97	92	92	83	83	83
14	Little Pioneer	30	29	27	28	30	32	27	24	22	20
15	Canyon County	59	60	61	70	72	70	74	51	28	25
16	x Eagle Island Canals	32	32	32	32	32	32	32	32	32	32
17	Phyllis	263	316	337	337	339	336	341	350	185	46
18	Eureka #1	16	24	25	25	26	26	21	18	14	20
19	Caldwell High Line	31	32	33	33	34	34	35	35	36	36
20	Farmers Coop.	108	143	146	169	241	284	297	316	316	295
21	Campbell	12	12	13	13	13	13	12	12	12	11
22	Siebenberg	6	8	10	9	7	5	3	3	3	3
23	Riverside #2	106	127	141	149	157	162	168	168	144	157
24	Pioneer Dixie	50	44	45	46	47	50	52	44	38	30
25	Eureka #3	42	42	42	42	50	71	80	130	119	109
26	Upper Center Point	9	9	13	10	11	12	13	15	17	13
27	Lower Center Point	12	14	17	17	17	16	15	15	14	14
28	x Miscellaneous	18	18	18	18	18	18	18	18	18	18
	Total Canal Diversions	3126	3243	3346	3429	3640	3708	3731	3693	3283	2919
29	River at Notus	37	37	33	37	36	41	49	113	205	169
	Totals	3163	3280	3379	3466	3676	3749	3780	3806	3488	3088

x Middleton Canals include - Middleton Irrigation Association & Middleton Mill Ditch Co.

x Eagle Island Canals include - Lamp Ditch, Conway & Hamming, Thos. Aiken, Catlin & Mace, Hart &

x Miscellaneous Canals include - Meeves, Rossi Mill, Davis, Little Davis & Jacobs or Julia Davis

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS

BY DAYS DURING THE IRRIGATION SEASON OF 1947, INCLUDING STORAGE

SEPTEMBER

8	9	10	11	12	13	14	15	16	17	18	19	20	21
1025	1516	1327	0	0	0	0	0	0	1349	1666	1858	1983	1925
5	5	5	0	0	0	0	0	0	5	5	5	5	5
13	13	13	13	13	13	13	13	13	13	13	12	12	12
359	351	345	0	0	0	0	0	335	374	374	374	374	376
110	119	120	121	121	121	121	121	73	72	74	76	70	70
22	23	23	23	23	23	24	24	24	24	24	24	25	25
18	18	18	17	17	16	16	15	15	15	15	15	15	15
25	23	23	23	23	23	23	23	23	23	23	22	22	22
141	82	82	80	79	79	78	79	77	80	82	82	82	82
10	10	10	9	9	9	9	9	9	9	9	9	9	8
36	35	35	34	33	32	31	30	29	28	27	26	25	25
7	7	6	6	6	6	5	5	5	5	5	5	5	5
83	83	83	83	76	70	70	68	66	66	65	61	62	61
24	22	20	18	18	16	16	14	14	12	5	5	6	6
51	28	25	22	19	34	48	63	77	75	54	51	45	40
32	32	32	32	32	32	32	32	32	32	32	32	32	32
350	185	46	0	0	0	0	0	242	286	264	260	213	201
10	14	20	20	20	20	20	20	10	10	10	9	8	8
35	36	36	37	37	37	37	38	39	40	41	43	40	35
316	316	295	295	295	295	295	295	297	260	248	248	248	232
12	12	11	11	11	10	10	10	9	9	9	8	8	8
3	3	3	3	3	3	3	3	3	3	3	3	3	3
160	144	157	170	177	184	191	197	202	207	208	209	199	194
44	30	30	22	20	18	16	15	15	15	19	22	27	28
130	119	109	94	83	77	70	65	62	62	62	62	63	63
15	17	13	7	7	7	7	7	8	8	8	8	8	8
15	14	14	12	12	12	11	11	11	11	11	11	10	10
10	18	18	18	18	18	18	18	18	18	18	18	18	18
3693	3283	2919	1170	1152	1155	1164	1175	1708	3111	3374	3558	3617	3533
113	205	169	168	137	109	102	88	71	88	153	273	295	256
3806	3488	3088	1338	1289	1264	1266	1263	1779	3199	3527	3831	3912	3789
Mill Ditch Co.													3744

Catlin & Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin & Seven Suckers
Jacobs or Julia Davis

19	20	21	22	23	24	25	26	27	28	29	30	Total
1858	1983	1925	1920	1886	1588	1323	1342	1479	1442	1438	1413	38258
5	5	5	5	5	5	5	5	5	5	5	5	123
12	12	12	11	11	11	10	10	10	9	9	9	352
374	374	376	415	415	391	371	371	371	374	374	354	9228
76	70	70	70	70	70	70	70	70	70	70	70	2821
24	25	25	27	27	29	29	30	30	31	29	33	747
15	15	15	15	14	14	14	14	14	14	14	14	489
22	22	22	22	19	19	19	19	19	19	19	18	660
82	82	82	82	75	88	82	82	80	82	84	82	2935
9	9	8	8	8	8	8	8	8	8	8	8	270
26	25	25	25	25	25	25	25	25	25	25	25	916
5	5	5	5	5	5	5	5	5	5	5	5	175
61	62	61	63	65	64	64	65	62	63	63	63	2210
5	6	6	10	10	10	10	10	10	10	10	10	489
51	45	40	37	34	31	29	27	24	24	32	26	1362
32	32	32	32	32	32	32	32	32	32	32	32	960
260	213	201	185	163	154	156	133	108	126	127	105	5573
9	8	8	8	7	6	6	5	5	5	5	5	422
43	40	35	35	35	30	30	30	30	30	30	30	1043
248	248	248	232	202	200	200	196	191	191	191	191	7133
8	8	8	8	8	8	8	8	8	8	8	8	298
3	3	3	3	3	3	3	3	3	3	3	3	117
209	199	194	187	185	182	180	182	179	165	172	168	5217
22	27	28	30	32	35	37	36	39	44	47	52	1015
62	63	63	63	62	61	60	60	60	60	60	60	2036
8	8	8	8	8	8	8	8	8	8	8	8	277
11	11	10	10	10	10	10	9	9	9	9	9	358
18	18	18	18	18	18	18	18	18	18	18	18	540
74	3558	3617	3533	3534	3434	3105	2812	2803	2902	2880	2895	86024
53	273	295	256	210	193	171	149	152	143	137	139	3940
27	3831	3912	3789	3744	3627	3276	2961	2955	3045	3017	3034	89964

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1947

O.	NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1.	Board of Control (MC #2)	118576	180340	151208	130712	115276	76516
2.	Penitentiary	172	720	376	688	604	246
3.	Bubb (South Boise)	432	1408	876	1066	718	704
4.	Ridenbaugh	19646	33220	31086	30230	24560	18456
5.	Settlers	4208	11608	9918	10944	7060	5642
6.	Thurman Mill	770	3040	2476	1532	1144	1494
7.	Consumers (Cruzen)	572	1250	1156	1276	1334	978
8.	Boise City	622	2176	1912	2032	1336	1320
9.	Farmers Union	3854	9998	7992	8416	6584	3848
10.	Boise Valley	1214	3676	3420	3698	2836	2022
11.	New Union Ditch Co.	298	1022	880	854	782	540
12.	New Dry Creek Ditch Co.	950	5008	3782	4314	2886	1832
13.	Ballantine Ditch	154	1600	1236	1008	688	350
14.	Middleton Canals	4454	13412	7092	10368	6224	4420
15.	Little Pioneer Ditch Co.	716	3062	2360	1970	1500	978
16.	Canyon County Water Co.	1816	6264	3508	4614	2722	2724
17.	7 Eagle Island Canals	430	3262	3240	2910	1984	1920
18.	Phyllis	17200	25536	18988	20296	13962	11146
19.	Eureka No. 1	228	2644	2832	1376	1578	844
20.	Caldwell High Line	788	4738	2992	3134	2610	2086
21.	Farmers Coop.	7570	23158	14696	14616	10894	14266
22.	Campbell (Canyon)	612	1696	882	862	798	596
23.	Siebenberg	230	704	424	700	552	234
24.	Riverside No. 2	2162	10048	9768	10004	8080	10434
25.	Pioneer Dixie	1816	4324	2930	2402	2928	2030
26.	Eureka No. 2	1792	6130	4542	4200	2982	4072
27.	Upper Center Point	408	1346	460	926	698	554
28.	Lower Center Point	248	1430	392	650	974	716
29.	Miscellaneous	312	1840	1800	1612	1116	1080
	Totals	192250	364660	293224	277410	225410	172048

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1947

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTALS
118576	180340	151208	130712	115276	76516	772628
172	720	376	688	604	246	2806
432	1408	876	1066	718	704	5204
19646	33220	31086	30230	24560	18456	157198
4208	11608	9918	10944	7060	5642	49380
770	3040	2476	1532	1144	1494	10456
572	1250	1156	1276	1334	978	6566
622	2176	1912	2032	1336	1320	9398
3854	9998	7992	8416	6584	3848	40692
1214	3676	3420	3698	2836	2022	16866
298	1022	880	854	782	540	4376
950	5008	3782	4314	2886	1832	18772
154	1600	1236	1008	688	350	5036
4454	13412	7092	10368	6224	4420	45970
716	3062	2360	1970	1500	978	10586
1816	6264	3508	4614	2722	2724	21648
430	3262	3240	2910	1984	1920	13746
17200	25536	18988	20296	13962	11146	107128
228	2644	2832	1376	1578	844	9502
788	4738	2992	3134	2610	2086	16348
7570	23158	14696	14616	10894	14266	85200
612	1696	882	862	798	596	5446
230	704	424	700	552	234	2844
2162	10048	9768	10004	8080	10434	50496
1816	4324	2930	2402	2928	2030	16430
1792	6130	4542	4200	2982	4072	23718
408	1346	460	926	698	554	4392
248	1430	392	650	974	716	4410
312	1840	1800	1612	1116	1080	7760
192250	364660	293224	277410	225410	172048	1525002

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

Total Summer Diversions

April 1 to September 30 978,838 1,217,572 1,058,228 1,279,916 1,176,828 1,254,640 1,361,022 1,305,94

New York Canal Diversions

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

Irrigation Requirements Below Diversion

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

Amount Passing Diversion Dam

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

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

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

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

Combined with Board of Control

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

	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930
6	563,608	553,022	643,878	201,622	611,376	375,000	642,778	576,716	574,030	520,100
2	69,512	67,838	71,808	35,298	60,074	29,836	60,788	51,718	41,366	35,900
0	3,032	2,940	3,100	772	2,122	1,734	1,954	2,144	1,650	1,400
6	3,892	3,212	4,048	2,818	3,202	2,834	3,348	3,712	3,688	3,500
2	128,616	120,472	135,908	87,636	135,696	108,210	132,334	132,446	120,884	129,000
0	48,384	44,966	47,634	31,326	52,862	35,728	47,830	43,340	41,540	35,500
8	7,630	6,686	9,316	7,244	8,976	8,770	7,972	9,516	9,784	8,700
0	23,530	23,024	19,344	12,560	12,646	10,190	8,816	8,350	6,808	8,500
8	1,896	2,032	1,530	8,498	9,582	8,774	9,036	7,300	8,960	8,900
6	41,360	38,982	44,270	24,426	46,786	22,898	44,984	37,562	33,376	35,400
2	4,880	4,880	5,368	3,280	4,000	4,434	3,388	4,240	3,100	3,800
4	14,142	15,416	17,142	14,178	12,720	14,840	16,410	16,778	15,536	16,900
6	3,392	3,272	3,934	3,592	3,854	3,038	4,292	3,760	3,960	3,550
2	16,000	16,712	16,922	12,224	18,454	14,276	18,322	17,816	15,970	17,140
8	2,460	3,900	4,226	3,028	2,580	3,526	3,660	3,574	3,282	3,330
2	28,232	31,016	29,582	26,108	34,652	23,934	29,816	27,358	21,624	25,940
0	15,078	24,190	26,702	13,896	28,028	14,266	19,028	19,768	18,036	17,170
2	5,822	6,632	7,880	6,410	9,418	7,626	7,442	8,988	8,738	8,580
6	21,414	23,218	22,786	18,912	19,712	18,952	19,672	18,982	18,118	18,958
2	13,308	12,212	13,794	11,850	13,756	11,530	13,288	12,134	11,448	12,274
6	115,540	115,740	125,282	61,300	125,588	70,342	115,370	113,842	95,864	109,970
4	5,166	6,390	5,698	6,600	5,952	6,344	6,434	6,474	5,714	6,800
6	18,678	17,660	15,368	16,296	14,584	18,938	11,944	14,332	17,556	17,530
8	93,052	38,650	89,224	39,540	89,020	52,192	91,726	79,274	69,000	84,294
0	4,974	3,924	5,248	3,556	4,478	3,384	4,658	5,222	3,838	4,526
2	3,508	3,090	3,596	2,106	3,106	2,796	2,604	2,854	2,580	3,030
6	67,906	41,180	54,620	30,752	47,454	40,604	63,404	51,036	41,220	46,956
2	7,218	4,904	9,440	7,996	8,710	7,620	8,140	11,442	8,622	9,296
4	15,280	15,412	16,402	12,642	11,776	12,052	11,978	12,326	10,110	11,982
2	2,850	3,472	3,538	3,196	2,468	2,308	1,802	2,756	2,526	2,952
8	2,052	1,784	2,848	3,042	2,538	2,634	2,238	2,120	3,018	2,622
58	8,610	8,118	9,148	7,080	8,770	7,680	8,996	8,082	7,582	8,206
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
000	211,000	164,000	173,000	190,000	201,000	180,000	182,000	160,270	157,526	175,266
806	24,070	35,892	29,432	37,796	31,292	37,700	28,750	36,020	41,240	31,840
420	119,294	134,784	96,796	100,414	103,652	107,282	150,930	234,482	45,018	59,500
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
512	362,928	294,100	344,890	165,164	290,248	171,692	304,290	299,728	227,474	235,746
854	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

915

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
576,716	574,030	520,146	355,518	735,592	638,504	388,154	646,960	611,988	541,832
51,718	41,366	35,978	24,658						
2,144	1,650	1,492	1,474	1,680	1,466	1,672	2,358	1,998	2,164
3,712	3,688	3,558	2,926	5,184	4,266	4,030	4,136	4,142	3,978
132,446	120,884	129,062	102,584	144,474	141,694	126,502	134,870	148,178	117,806
43,340	41,540	35,554	29,674	46,690	45,061	34,142	42,992	43,732	36,478
9,516	9,784	8,748	8,720	8,264	8,434	10,700	10,450	8,802	9,442
8,350	6,808	8,584	8,322	8,236	6,562	8,000	6,424	7,344	7,048
7,300	8,960	8,938	8,484	9,638	10,388	10,524	9,496	8,470	8,758
37,562	33,376	35,482	23,854	31,744	32,136	28,848	29,988	29,716	28,022
4,240	3,100	3,880	3,298	3,354	3,374	3,950	3,400	3,406	3,362
16,778	15,536	16,998	15,608	15,252	15,654	16,468	15,254	16,034	16,038
3,760	3,960	3,558	3,706	3,328	3,508	4,112	4,178	4,374	4,442
17,816	15,970	17,140	11,870	15,524	17,648	3,764	17,350	16,110	13,638
3,574	3,282	3,338	2,918	4,354	3,432	13,796	3,532	3,386	3,288
27,358	21,624	25,942	23,214	23,096	20,018	23,312	20,772	22,764	26,276
19,768	18,036	17,178	13,390	20,590	22,844	16,528	21,020	22,260	15,006
8,988	8,738	8,584	7,608	7,990	9,194	8,762	8,974	8,424	8,802
18,982	18,118	18,958	17,144	19,132	19,872	20,470	20,528	17,896	18,180
12,134	11,448	12,274	11,030	11,714	11,446	11,162	11,392	14,348	10,998
113,842	95,864	109,070	65,170	111,016	110,312	85,148	97,746	100,138	83,308
6,474	5,714	6,800	6,090	6,462	6,370	7,624	8,174	7,662	7,318
14,332	17,536	17,530	18,938	18,562	13,004	20,360	21,714	18,320	19,698
79,274	69,000	84,294	49,120	85,240	78,830	60,256	76,344	73,100	70,164
5,322	3,838	4,526	3,956	4,100	4,886	3,584	4,318	4,528	4,284
2,854	2,580	3,030	2,510	2,422	3,448	2,482	3,244	2,574	2,658
51,036	41,220	46,956	32,014	50,662	41,020	49,060	44,988	52,910	44,172
11,442	8,622	9,296	8,540	7,556	7,938	10,196	7,942	8,848	8,072
12,326	10,110	11,982	10,130	10,210	11,440	12,650	12,588	101,158	10,864
2,756	2,526	2,952	2,668	2,970	2,656	2,288	3,024	2,584	2,688
2,120	3,018	2,622	3,102	2,772	2,812	3,962	3,010	1,630	2,552
8,082	7,582	8,206	7,532	7,492	7,606	7,554	7,558	9,534	7,378

52 1,316,162 1,229,658 1,223,286 885,750 1,425,210 1,305,778 1,000,060 1,304,704 1,285,358 1,138,714 1,4

0 160,270 157,526 175,266 141,956 157,422 125,778 166,838 169,168 170,570 153,418

50 36,020 41,240 31,840 25,150 26,830 40,838 37,678 33,142 80,292 26,588

30 234,482 45,018 59,500 50,794 68,384 69,956 55,018 51,396 19,088 20,768

32 1,746,934 1,473,442 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,

90 299,728 227,474 235,746 171,736 343,116 273,076 198,518 240,752 265,286 217,436

12 1,447,206 1,245,968 1,254,146 931,914 1,334,730 1,269,274 1,061,076 1,317,658 1,240,022 1,122,052 1,

Chart No. 7

1930	1931	1932	1933	1934	1935	1936	1937	1938
20,146	355,518	735,592	638,504	388,154	646,960	611,988	541,832	723,112
35,978	24,658							
1,492	1,474	1,680	1,466	1,672	2,358	1,998	2,164	2,132
3,558	2,926	5,184	4,266	4,030	4,136	4,142	3,978	4,722
129,062	102,584	144,474	141,694	126,502	134,870	148,178	117,806	159,302
35,554	29,674	46,690	45,061	34,142	42,992	43,732	36,478	48,134
8,748	8,720	8,264	8,434	10,700	10,450	8,802	9,442	10,624
8,584	8,322	8,236	6,562	8,000	6,424	7,344	7,048	6,876
8,938	8,484	9,638	10,388	10,524	9,496	8,470	8,758	9,746
35,482	23,854	31,744	32,136	28,848	29,988	29,716	28,022	35,240
3,880	3,298	3,354	3,374	3,950	3,400	3,406	3,362	3,468
16,998	15,608	15,252	15,654	16,468	15,254	16,034	16,038	17,586
3,558	3,706	3,328	3,508	4,112	4,178	4,374	4,442	4,322
17,140	11,870	15,524	17,648	3,764	17,350	16,110	13,638	17,830
3,338	2,918	4,354	3,432	13,796	3,532	3,386	3,288	3,514
25,942	23,214	23,096	20,018	23,312	20,772	22,764	26,276	31,226
17,178	13,390	20,590	22,844	16,528	21,020	22,260	15,006	17,584
8,584	7,608	7,990	9,194	8,762	8,974	8,424	8,802	9,762
18,958	17,144	19,132	19,872	20,470	20,528	17,896	18,180	18,814
12,274	11,030	11,714	11,446	11,162	11,382	14,348	10,998	12,632
109,070	65,170	111,016	110,312	85,148	97,746	100,138	83,308	111,026
6,800	6,090	6,462	6,370	7,624	8,174	7,662	7,318	7,262
17,530	18,938	18,562	13,004	20,360	21,714	18,320	19,698	17,206
84,294	49,120	85,240	78,830	60,256	76,344	73,100	70,164	93,592
4,526	3,956	4,100	4,886	3,584	4,318	4,528	4,284	5,750
3,030	2,510	2,422	3,448	2,482	3,244	2,574	2,658	2,662
46,956	32,014	50,662	41,020	49,060	44,988	52,910	44,172	66,196
9,296	8,540	7,556	7,938	10,196	7,942	8,848	8,072	10,414
11,982	10,130	10,210	11,440	12,670	12,588	101,158	10,864	13,586
2,952	2,668	2,970	2,656	2,288	3,024	2,584	2,688	2,452
2,622	3,102	2,772	2,812	3,962	3,010	1,630	2,552	2,436
8,206	7,532	7,492	7,606	7,554	7,558	9,534	7,378	8,388

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

175,266 141,956 157,422 125,778 166,838 169,168 170,570 153,418 176,440

31,840 25,150 26,830 40,838 37,678 33,142 80,292 26,588 34,398

59,500 50,794 68,384 69,956 55,018 51,396 19,088 20,768 85,150

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

235,746 171,736 343,116 273,076 198,518 240,752 265,286 217,436 373,294

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

	1939	1940	1941	1942	1943	1944	
Board of Control	572,374	567,126	600,416	660,248	767,530	616,514	6
New York Stock Penitentiary	2,006	1,746	1,582	1,570	2,062	1,764	
Bubb	4,278	3,918	4,740	4,154	4,874	4,338	
Ridentlaugh	147,684	148,658	160,804	144,804	161,430	126,146	1
Settlers	43,292	40,520	46,556	43,064	50,082	40,062	
Thurman Mill	11,532	9,632	9,410	11,612	9,098	9,670	
Consumers	8,326	6,826	5,658	6,630	6,884	5,088	
Boise City	9,944	9,114	10,086	9,296	9,966	8,940	
Farmers Union	33,645	26,168	35,618	35,736	38,180	29,700	
Capital View	3,498	3,468	3,560	2,282	2,174	2,022	
Boise Valley	17,631	16,274	17,494	16,676	15,802	13,598	1
New Union	4,036	3,904	4,582	3,524	3,896	3,836	
New Dry Creek	15,252	14,502	17,978	17,752	18,080	17,572	20
Ballantine	3,698	3,562	3,250	3,316	3,962	3,610	
Middleton Water Co.	31,488	33,620	34,504	30,278	38,602	39,530	29
Middleton Mill Ditch	15,042	15,640	14,564	13,858	16,760	11,124	14
Little Pioneer	8,318	7,044	7,920	7,108	7,994	7,250	9
Canyon Water Co.	19,960	17,878	20,308	18,486	19,968	18,708	19
7 Eagle Island Canals	12,398	10,256	12,326	12,720	11,394	12,450	14
Phyllis	98,038	92,608	104,914	93,564	117,060	85,268	84
Eureka Water Co.	8,406	7,576	9,340	8,402	8,348	7,962	8
Caldwell High Line	21,466	20,974	20,100	17,852	17,618	20,424	20
Farmers Coop.	68,918	69,200	78,736	80,164	98,038	70,786	77
Campbell	6,364	3,824	4,272	5,040	5,510	4,422	5
Siebenberg	3,260	2,862	2,774	2,102	2,298	2,488	2
Riverside No. 2	48,444	47,128	60,012	52,152	54,118	41,684	48
Pioneer Dixie	13,248	12,184	11,994	13,566	12,706	15,336	15
Eureka No. 2	15,256	15,416	14,750	12,896	16,294	11,830	14
Upper Center Point	3,472	3,538	3,764	3,588	3,782	4,126	4
Lower Center Point	3,944	4,596	4,890	4,196	3,344	4,912	3
Miscellaneous	8,360	6,856	8,324	8,284	7,800	7,036	7
Total Summer Diversions							
April 1 to September 30	1,263,578	1,226,618	1,335,226	1,344,640	1,535,654	1,248,996	1,344
New York Canal Diversions							
October 1 to March 31	133,534	172,234	175,014	151,154	152,266	145,568	151
Irrigation Requirements Below Diversion							
Dam During October	20,550	19,562	22,856	28,638	25,370	25,074	14
Amount passing Diversion Dam							
November 1 to April 1	65,456	35,898	29,972	39,348	437,346	32,026	29
Total	1,483,118	1,454,312	1,563,068	1,563,780	2,150,636	1,451,664	1,539
Summer Return Flow	235,740	263,936	334,394	281,650	275,866	248,672	264
Natural Flow Used	1,247,378	1,190,476	1,228,674	1,282,130	1,874,770	1,202,992	1,275

Combined with Board of Control

1943	1944	1945	1946	1947
57,530	616,514	681,738	721,472	772,628
2,062	1,764	1,656	2,212	2,806
4,874	4,338	5,316	5,172	5,204
61,430	126,146	129,942	154,442	157,198
50,082	40,062	42,006	47,080	49,380
9,098	9,670	11,770	9,086	10,456
6,884	5,888	7,078	6,726	6,566
9,966	8,940	8,468	9,352	9,398
38,180	29,700	32,990	38,252	38,616
2,174	2,022	2,120	2,180	2,076
15,802	13,598	14,976	17,686	16,866
3,896	3,836	4,016	3,984	4,376
18,080	17,572	20,094	19,218	18,772
3,962	3,610	3,706	4,076	5,036
38,602	39,530	29,456	28,628	27,582
16,760	11,124	14,728	19,084	18,388
7,994	7,250	9,202	10,692	10,586
19,968	18,708	19,900	20,354	21,648
11,394	12,450	12,060	13,772	13,746
117,060	85,268	84,672	107,768	107,128
8,348	7,962	8,034	8,332	9,502
17,618	20,424	20,730	18,832	16,348
98,038	70,786	77,664	93,136	85,200
5,510	4,422	5,164	5,944	5,446
2,298	2,488	2,350	2,658	2,844
54,118	41,684	48,758	43,604	50,496
12,706	15,336	15,078	13,472	16,430
16,294	11,830	14,818	19,674	23,718
3,782	4,126	4,090	4,438	4,392
3,344	4,912	3,784	3,788	4,410
7,800	7,036	7,926	7,822	7,760

1,535,654	1,248,996	1,344,290	1,462,936	1,525,002
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152,266	145,568	151,102	153,260	166,220
25,370	25,074	14,858	18,364	22,846
437,346	32,026	29,302	69,026	115,740

2,150,636	1,451,664	1,539,552	1,703,586	1,829,808
275,866	248,672	264,190	291,322	339,546
1,874,770	1,202,992	1,275,362	1,412,264	1,490,262

1945	1946	1947
738	721,472	772,628
656	2,212	2,806
316	5,172	5,204
942	154,442	157,198
006	47,080	49,380
770	9,086	10,456
078	6,726	6,566
468	9,352	9,398
990	38,252	38,616
120	2,180	2,076
976	17,686	16,866
016	3,984	4,376
094	19,218	18,772
8,706	4,076	5,036
456	28,628	27,582
728	19,084	18,388
9,202	10,692	10,586
9,900	20,354	21,648
2,060	13,772	13,746
4,672	107,768	107,128
8,034	8,332	9,502
0,730	18,832	16,348
7,664	93,136	85,200
5,164	5,944	5,446
2,350	2,658	2,844
8,758	43,604	50,496
5,078	13,472	16,430
4,818	19,674	23,718
4,090	4,438	4,392
3,784	3,788	4,410
7,926	7,822	7,760

14,290	1,462,936	1,525,002
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51,102	153,260	166,220
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14,858	18,364	22,846
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9,302	69,026	115,740
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9,552	1,703,586	1,829,808
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4,190	291,322	339,546
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5,362	1,412,264	1,490,262
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No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1	Drainage District #3	9	9	9	9	9	9	9	9	10	10
2	Davis Drain	5	5	5	5	5	5	5	5	5	5
3	Thurman Drain	13	13	13	13	13	13	13	13	13	13
4	Boise Sewer	8	8	8	8	8	8	8	8	8	8
5	Eagle Drain	25	25	25	25	26	26	26	27	27	27
6	South Middleton Drain	30	30	30	30	30	30	30	30	30	30
7	North Middleton Drain	20	20	20	20	20	20	20	20	20	20
8	Hartley Drain	3	3	3	3	3	3	3	3	3	3
9	Phyllis Waste	2	2	2	2	2	2	2	2	2	2
10	Mason Creek	12	12	12	13	13	14	14	15	15	16
11	Mason Drain	18	18	18	18	18	18	18	18	18	19
12	Indian Creek	58	58	59	59	60	60	61	61	62	63
	Total	203	203	204	205	207	208	209	211	213	216

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1	Drainage District #3	15	15	15	15	15	16	16	16	16	16
2	Davis Drain	6	6	6	6	6	6	6	6	6	6
3	Thurman Drain	14	14	14	14	14	14	14	14	14	14
4	Boise Sewer	9	9	9	9	9	9	9	9	9	9
5	Eagle Drain	34	34	35	36	38	41	44	44	45	45
6	South Middleton Drain	87	86	86	85	85	84	83	83	83	82
7	North Middleton Drain	26	27	27	28	28	29	29	31	32	34
8	Hartley Drain	20	20	20	20	21	21	21	21	22	22
9	Phyllis Waste	5	5	6	6	6	6	6	7	7	7
10	Mason Creek	21	21	22	22	22	22	22	23	23	23
11	Mason Drain	22	24	25	27	28	30	31	33	34	36
12	Indian Creek	92	89	86	83	85	87	88	89	90	91
	Total	351	350	351	351	357	365	369	376	381	385

TRIBUTARY AND RETURN FLOW TO POISE RIVER

IRRIGATION SEASON OF 1947

APRIL

9	10	11	12	13	14	15	16	17	18	19	20	21
10	10	10	10	10	11	11	11	12	12	12	12	13
5	5	5	5	5	5	5	5	5	5	5	5	5
13	13	13	13	13	13	13	13	14	14	14	14	14
8	8	8	8	8	8	8	8	8	8	8	8	8
27	27	27	27	28	28	28	29	29	29	30	30	30
30	30	30	37	39	40	40	42	44	46	50	60	65
20	20	20	20	20	20	20	20	20	20	20	20	24
3	3	3	3	3	3	4	4	4	6	8	10	12
2	2	3	3	3	3	3	3	4	4	4	4	4
15	16	16	16	17	17	18	18	18	19	19	19	20
18	19	19	19	19	19	19	19	19	20	20	20	20
62	63	64	65	66	66	67	69	70	72	73	75	76
213	216	218	226	231	233	236	241	247	255	263	277	291

MAY

9	10	11	12	13	14	15	16	17	18	19	20	21
16	16	17	17	17	17	17	18	18	18	18	18	19
6	6	7	7	7	7	7	7	7	7	7	7	8
14	14	14	14	14	14	14	14	14	14	14	14	14
9	9	9	9	9	10	10	10	10	10	10	10	10
45	45	46	46	47	47	48	48	49	49	50	50	51
83	82	82	82	82	81	81	81	80	80	80	80	80
32	34	35	37	38	40	41	43	44	46	47	49	50
22	22	22	22	23	23	23	24	24	24	25	25	25
7	7	7	7	7	7	8	8	8	8	8	8	8
23	23	23	23	24	24	24	24	25	25	25	25	25
34	36	37	39	40	42	43	45	46	48	49	50	51
90	91	93	95	97	99	101	103	105	107	109	111	113
381	385	392	398	405	411	417	425	430	436	442	447	454

VER

17	18	19	20	21	22	23	24	25	26	27	28	29	30
12	12	12	12	13	13	13	13	14	14	14	14	14	14
5	5	5	5	5	5	5	5	5	5	5	6	6	6
14	14	14	14	14	14	14	14	14	14	14	14	14	14
8	8	8	8	8	8	8	8	8	8	8	8	8	8
29	29	30	30	30	31	31	32	32	32	32	32	33	33
44	46	50	60	65	70	73	76	80	84	86	88	88	88
20	20	20	20	24	24	24	24	25	25	25	26	26	26
4	6	8	10	12	14	16	18	18	18	19	19	20	20
4	4	4	4	4	4	4	4	5	5	5	5	5	5
18	19	19	19	20	20	20	20	20	20	20	21	21	21
19	20	20	20	20	20	20	20	20	21	21	21	21	21
70	72	73	75	76	79	81	83	85	87	89	91	93	95
247	255	263	277	291	302	309	317	326	333	338	345	349	351

17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
18	18	18	18	19	19	19	19	19	19	19	20	20	20	20
7	7	7	7	8	8	8	8	8	8	8	9	9	9	9
14	14	14	14	14	14	14	14	14	15	15	15	15	15	15
10	10	10	10	10	10	11	11	11	11	11	11	11	11	11
49	49	50	50	51	52	52	53	53	54	54	54	55	55	56
80	80	80	80	80	80	83	86	88	91	94	96	96	97	97
44	46	47	49	50	52	53	54	56	58	60	62	61	60	60
24	24	25	25	25	26	26	27	27	28	28	29	29	28	27
8	8	8	8	8	9	9	9	9	9	9	9	9	10	10
25	25	25	25	25	27	29	31	33	35	35	37	36	35	34
46	48	49	50	51	57	63	69	74	79	84	89	90	91	92
105	107	109	111	113	116	119	123	127	131	135	139	139	139	138
430	436	442	447	454	470	486	504	519	538	552	570	570	570	569

Chart No. 8

20	21	22	23	24	25	26	27	28	29	30	Total
12	13	13	13	13	14	14	14	14	14	14	339
5	5	5	5	5	5	5	5	6	6	6	153
14	14	14	14	14	14	14	14	14	14	14	404
8	8	8	8	8	8	8	8	8	8	8	240
30	30	31	31	32	32	32	32	32	33	33	862
60	65	70	73	76	80	84	86	88	88	88	1526
20	24	24	24	24	25	25	25	26	26	26	649
10	12	14	16	18	18	18	19	19	20	20	252
4	4	4	4	4	5	5	5	5	5	5	100
19	20	20	20	20	20	20	20	21	21	21	516
20	20	20	20	20	20	21	21	21	21	21	579
75	76	79	81	83	85	87	89	91	93	95	2147
277	291	302	309	317	326	333	338	345	349	351	7767

20	21	22	23	24	25	26	27	28	29	30	31	Total
18	19	19	19	19	19	19	19	20	20	20	20	543
7	8	8	8	8	8	8	8	9	9	9	9	222
14	14	14	14	14	14	15	15	15	15	15	15	440
10	10	10	11	11	11	11	11	11	11	11	11	306
50	51	52	52	53	53	54	54	54	55	55	56	1465
80	80	80	83	86	88	91	94	96	96	97	97	2641
49	50	52	53	54	56	58	60	62	61	60	60	1337
25	25	26	26	27	27	28	28	29	29	28	27	743
8	8	9	9	9	9	9	9	9	9	10	10	237
25	25	27	29	31	33	35	35	37	36	35	34	820
50	51	57	63	69	74	79	84	89	90	91	92	1568
111	113	116	119	123	127	131	135	139	139	139	138	3319
447	454	470	486	504	519	538	552	570	570	570	569	13641

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1	Drainage District #3	20	20	20	21	21	21	22	22	22	23	24
2	Davis Drain	9	9	9	9	9	9	9	9	9	9	9
3	Thurman Drain	15	15	15	15	15	15	15	15	15	15	15
4	Boise Sewer	11	11	11	11	12	12	12	12	12	12	12
5	Eagle Drain	54	53	52	52	51	51	50	49	49	48	47
6	South Middleton Drain	98	98	99	99	99	100	100	100	101	101	101
7	North Middleton Drain	59	57	55	53	51	49	47	45	43	41	39
8	Hartley Drain	26	25	23	21	20	20	18	16	15	14	13
9	Phyllis Waste	10	10	10	10	10	9	9	9	9	8	8
10	Mason Creek	33	32	31	30	29	27	25	23	21	19	17
11	Mason Drain	93	94	95	97	99	101	103	105	107	109	111
12	Indian Creek	138	136	137	137	137	136	136	136	135	135	135
	Total	566	562	557	555	553	550	546	541	538	534	532

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1	Drainage District #3	34	33	33	33	33	32	32	32	32	32	32
2	Davis Drain	11	11	12	12	12	12	12	12	12	12	12
3	Thurman Drain	18	18	18	18	18	18	19	19	19	19	19
4	Boise Sewer	13	13	12	12	12	12	12	12	12	12	12
5	Eagle Drain	75	74	73	72	72	73	73	74	74	75	76
6	South Middleton Drain	74	74	73	73	73	73	73	73	72	72	72
7	North Middleton Drain	48	45	43	41	40	39	38	37	37	36	36
8	Hartley Drain	26	25	25	24	24	24	23	23	23	23	22
9	Phyllis Waste	5	5	5	4	4	4	4	4	4	4	4
10	Mason Creek	12	11	11	10	10	9	9	9	9	10	10
11	Mason Drain	52	55	58	61	64	67	70	68	66	64	62
12	Indian Creek	125	128	131	134	137	140	142	144	146	148	150
	Total	493	492	494	494	499	503	507	507	506	507	507

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1947

JUNE

10	11	12	13	14	15	16	17	18	19	20	21	22	23
23	23	23	24	24	25	25	26	26	27	28	29	30	32
9	9	10	10	10	10	10	10	10	10	10	11	11	11
15	16	16	16	16	16	16	16	16	16	16	17	17	17
12	12	12	12	12	12	12	12	12	12	12	12	12	12
48	48	48	48	47	47	47	47	47	47	51	55	59	63
101	101	102	102	102	100	98	96	94	92	90	88	86	84
41	39	37	35	33	34	36	38	40	41	42	42	43	44
14	13	13	12	11	11	13	14	16	16	17	17	19	21
8	8	8	8	7	7	7	7	7	6	6	6	6	6
19	17	15	13	11	11	11	12	12	12	12	13	13	13
109	111	113	115	117	109	102	95	88	81	74	67	60	53
135	135	134	134	133	133	133	132	132	130	127	124	121	118
534	532	531	529	523	515	510	505	500	490	485	481	477	474

JULY

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
32	32	31	31	30	30	29	28	28	29	29	30	30	31	32
12	12	12	12	12	12	13	13	13	13	13	13	14	14	14
19	19	19	20	20	20	20	21	21	21	21	21	22	22	22
12	12	12	12	12	12	12	12	12	12	12	12	11	11	11
75	76	76	78	78	80	82	85	84	82	80	78	76	74	73
72	72	72	72	72	72	72	71	71	70	70	69	69	68	68
36	36	35	35	34	34	33	34	35	36	38	40	42	43	43
23	22	22	22	21	21	20	20	19	19	18	18	18	17	17
4	4	4	5	5	5	5	5	5	5	6	6	6	6	6
10	10	10	10	11	11	11	13	15	17	19	21	21	21	21
64	62	60	59	58	57	56	56	56	56	56	56	56	56	57
148	150	152	154	156	159	162	163	164	165	166	167	165	163	161
507	507	505	510	509	513	515	521	523	525	528	531	530	526	525

Chart No. 8-A

19	20	21	22	23	24	25	26	27	28	29	30	Total
27	28	29	30	32	34	34	35	35	34	34	34	794
10	10	11	11	11	11	11	11	11	11	11	11	299
16	16	17	17	17	17	17	17	17	17	17	17	480
12	12	12	12	12	13	13	13	13	13	13	13	363
47	51	55	59	63	67	71	75	80	80	79	77	1692
92	90	88	86	84	82	80	78	76	74	74	74	2768
41	42	42	43	44	45	46	47	48	49	50	51	1340
16	17	17	19	21	21	20	22	23	24	25	26	552
6	6	6	6	6	6	6	5	5	5	5	5	220
12	12	13	13	13	13	14	14	14	13	13	12	528
81	74	67	60	53	46	39	32	36	40	44	48	2473
130	127	124	121	118	115	112	109	111	113	116	119	3846
490	485	481	477	474	470	463	458	469	473	481	487	15355

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
29	29	30	30	31	32	32	31	31	30	30	29	29	958
13	13	13	14	14	14	14	14	14	14	14	14	14	396
21	21	21	22	22	22	22	23	23	23	23	24	24	635
12	12	12	11	11	11	11	11	11	11	11	11	11	364
82	80	78	76	74	73	72	70	68	66	66	65	65	2309
70	70	69	69	68	68	67	66	64	63	62	62	61	2163
36	38	40	42	43	43	43	42	42	42	41	41	41	1214
19	18	18	18	17	17	17	18	18	18	19	19	19	642
5	6	6	6	6	6	6	6	6	6	6	6	6	158
17	19	21	21	21	21	21	21	21	21	21	21	21	458
56	56	56	56	56	57	57	57	57	57	58	58	58	1828
165	166	167	165	163	161	159	158	157	156	155	154	156	4717
525	528	531	530	526	525	521	517	512	507	506	504	505	15842

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1	Drainage District #3	28	27	26	26	24	24	23	22	20	19
2	Davis Drain	15	15	15	14	14	14	14	13	13	13
3	Thurman Drain	24	24	24	24	23	23	23	23	23	23
4	Boise Sewer	11	11	11	11	11	11	11	11	11	11
5	Eagle Drain	65	64	64	63	63	63	63	63	63	62
6	South Middleton Drain	61	60	59	58	56	55	54	52	51	49
7	North Middleton Drain	41	40	38	36	34	32	30	28	26	24
8	Hartley Drain	20	20	20	20	19	19	18	18	18	17
9	Phyllis Waste	6	6	5	5	5	5	5	5	5	5
10	Mason Creek	21	21	20	20	19	19	18	18	17	17
11	Mason Drain	58	58	57	56	55	54	53	52	51	50
12	Indian Creek	157	158	159	160	161	162	161	160	159	158
	Total	507	504	498	493	484	481	473	465	457	448

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1	Drainage District #3	11	11	11	11	10	10	10	10	11	11
2	Davis Drain	10	10	10	9	9	9	9	9	9	9
3	Thurman Drain	22	22	22	23	23	23	23	23	24	24
4	Boise Sewer	10	10	10	10	10	10	10	10	10	10
5	Eagle Drain	62	61	61	60	59	59	59	59	59	59
6	South Middleton Drain	34	36	38	40	42	45	49	53	57	61
7	North Middleton Drain	16	18	20	22	23	26	29	31	33	35
8	Hartley Drain	28	26	24	22	20	20	20	20	20	20
9	Phyllis Waste	5	5	4	4	4	4	4	4	4	4
10	Mason Creek	17	19	21	23	25	24	23	22	21	20
11	Mason Drain	34	35	36	37	38	43	48	53	58	62
12	Indian Creek	162	164	166	168	170	173	176	179	182	186
	Total	411	417	423	429	433	446	460	473	488	501

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1947

AUGUST

	10	11	12	13	14	15	16	17	18	19	20	21	22
9	19	19	18	18	17	17	16	15	14	14	13	13	13
3	13	13	13	12	12	12	12	12	11	11	11	11	11
3	23	23	23	23	23	23	22	22	22	22	22	22	22
11	11	11	10	10	10	10	10	10	10	10	10	10	10
3	62	62	62	62	62	62	62	62	62	62	62	62	62
1	49	46	44	43	41	39	37	34	32	30	27	26	25
6	24	22	20	19	19	19	19	19	19	19	19	19	19
18	17	17	16	16	17	18	19	20	21	22	24	26	27
5	5	5	5	5	5	5	5	5	5	5	5	5	5
17	17	16	15	14	14	13	13	12	12	11	11	10	9
51	50	49	48	47	47	47	47	47	48	48	48	48	48
59	158	157	156	156	156	156	156	155	155	155	155	155	155
57	448	440	430	425	423	421	418	413	411	409	407	407	406

SEPTEMBER

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
11	11	11	11	12	12	12	12	12	12	12	11	11	11	11
9	9	9	9	9	8	8	8	8	8	8	8	8	7	7
24	24	24	24	24	24	24	25	25	25	25	25	25	25	26
10	10	10	10	10	10	11	11	11	11	11	11	11	11	11
59	59	58	58	58	58	58	58	58	58	58	58	57	57	57
57	61	64	67	70	73	76	79	81	82	84	83	83	82	80
33	35	37	39	40	40	41	42	43	43	44	42	40	38	35
20	20	20	20	20	20	20	20	20	20	20	19	19	18	18
4	4	4	4	4	4	4	4	4	5	5	5	5	5	5
21	20	19	18	17	16	15	14	13	11	9	9	10	10	11
58	62	66	70	74	78	82	86	90	94	98	98	98	98	98
182	186	190	194	198	202	206	210	214	218	222	223	224	225	226
488	501	512	524	536	545	557	569	579	587	596	592	591	587	585

Chart No. 8-B

20	21	22	23	24	25	26	27	28	29	30	31	Total
13	13	13	12	12	12	12	12	12	12	12	12	534
11	11	11	11	11	10	10	10	10	10	10	10	373
22	22	22	22	22	22	22	22	22	22	22	22	701
10	10	10	10	10	10	10	10	10	10	10	10	321
62	62	62	63	63	63	63	63	63	63	63	62	1943
27	26	25	25	25	26	27	28	29	30	31	32	1232
19	19	19	18	15	15	14	14	13	13	12	14	689
24	26	27	28	29	30	32	34	35	36	33	30	719
5	5	5	5	5	5	5	5	5	5	5	5	157
11	10	9	10	11	11	12	12	13	14	15	16	454
48	48	48	46	44	42	40	37	34	31	32	33	1455
155	155	155	155	154	154	154	153	153	153	156	159	4853
407	407	406	405	401	400	401	400	399	399	401	405	13431

	20	21	22	23	24	25	26	27	28	29	30	Total
2	11	11	11	11	10	10	10	10	10	10	10	326
8	8	8	7	7	7	7	7	7	7	7	7	247
5	25	25	25	26	26	26	26	26	26	26	26	732
1	11	11	11	11	11	11	11	11	11	11	11	316
8	58	57	57	57	57	57	57	57	57	57	56	1747
4	83	83	82	80	78	78	77	75	75	73	72	1987
4	42	40	38	35	32	30	27	25	22	20	17	950
20	19	19	18	18	18	17	17	17	16	16	16	591
5	5	5	5	5	5	5	5	5	5	5	5	135
9	9	10	10	11	11	12	12	13	13	14	14	476
8	98	98	98	98	98	99	99	99	99	99	99	2266
22	223	224	225	226	227	228	229	230	231	232	233	6088
6	592	591	587	585	580	580	577	575	572	570	566	15861

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUD)

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

IRRIGATION SEASON 1947

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	271,376	486,516	301,620	223,052	181,994	122,400
Deliveries to Canals	307,044	554,600	377,532	279,890	227,992	179,900
Tributary Gain	15,534	27,282	30,710	31,684	26,862	31,700
Seepage Gain	20,134	40,802	45,202	25,154	19,136	25,300
Net Gain	35,668	68,084	75,912	56,838	45,998	57,000

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

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

IRRIGATION SEASON 1947

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	4,523	7,847	5,027	3,598	2,935	2,040
Deliveries to Canals	5,102	8,945	6,292	4,514	3,677	2,990
Tributary Gain	259	440	512	511	433	529
Seepage Gain	320	658	753	405	309	422
Net Gain	579	1,098	1,265	916	742	951

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUD)

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

IRRIGATION SEASON 1947

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
271,376	486,516	301,620	223,052	181,994	122,882	1,587,440
307,044	554,600	377,532	279,890	227,992	179,928	1,926,986
15,534	27,282	30,710	31,684	26,862	31,722	163,794
20,134	40,802	45,202	25,154	19,136	25,324	175,752
35,668	68,084	75,912	56,838	45,998	57,046	339,546

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

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

IRRIGATION SEASON 1947

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
4,523	7,847	5,027	3,598	2,935	2,048	25,978
5,102	8,945	6,292	4,514	3,677	2,999	31,529
259	440	512	511	433	529	2,684
320	658	753	405	309	422	2,867
579	1,098	1,265	916	742	951	5,551

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

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

SECTION 1

1947

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Diversion Dam	223,052	181,994	122,882	527,928
Deliveries to Canals	245,594	201,564	141,930	587,088
Tributary Gain	9,324	7,744	6,736	23,804
Seepage Gain	11,218	11,826	12,312	35,356
Net Gain	20,542	19,570	19,048	59,160

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

CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN

SECTION 1

1947

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Diversion Dam	3,598	2,935	2,048	8,581
Deliveries to Canals	3,929	3,251	2,365	9,545
Tributary Gain	150	125	112	387
Seepage Gain	181	191	205	577
Net Gain	331	316	317	964

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE

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

SECTION 2

1947

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	322	2,030	1,392	3,744
Deliveries to Canals	36,940	30,488	40,782	108,210
Tributary Gain	22,360	19,118	24,986	66,464
Seepage Gain	14,258	9,340	14,404	38,002
Net Gain	36,618	28,458	39,390	104,466

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

CANAL DELIVERIES - TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN

SECTION 2

1947

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	5	33	23	61
Deliveries to Canals	596	492	680	1,768
Tributary Gain	361	310	416	1,087
Seepage Gain	230	149	241	620
Net Gain	591	459	657	1,707

BOISE VALLEY CANALS AND ACREAGE

Board of Control (New York)			
New York Irrig. District . . .	17,763		Warm Springs Slough
Boise-Kuna Irrig. District . .	48,458		Joplin
Nampa & Meridian Irrig. Dist.	40,193		Conway & Hamming
Wilder Irrig. District . . .	56,622		Thos. Aiken
Big Bend Irrig. District . . .	<u>1,725</u>		Catlin & Mace
TOTAL BOARD OF CONTROL . . .			Hart & Davis
Ridenbaugh	164,761	acres	Graham & Gilbert
Penitentiary (excl. of Boise Project)	26,747	"	Seven Suckers
Bubb (So. Boise)	102	"	Pioneer Irrig. District
Meeves	1,057	"	Eureka Water Co.
Rossi Mill	90	"	Franklin & Mason Creek (Caldwell
Manville-Leonard	500	"	High Line)
Davis and Little Davis . . .	159	"	Farmers Coop. Ditch Co.
Settlers	634	"	Canyon Ditch Co.
Thurman Mill	12,300	"	Siebenberg
Cruzen (Consumers)	1,799	"	Riverside Irrig. District
Boise City	2,500	"	Pioneer Dixie
Farmers Union	1,828	"	Eureka Ditch Co.
Boise Valley	8,300	"	Upper Center Point
Capitol View	2,729	"	Lower Center Point
New Union	600	"	Bowman & Swisher
New Dry Creek	688	"	Mammon
Ballantine	3,059	"	Haas
Middleton Water	763	"	Island High Line
Middleton Mill	5,640	"	Larsen-Baxter-Lemp
Little Pioneer	4,400	"	Boone
Canyon County	1,286	"	Andrews
Lemp Ditch (Eagle Island) . .	4,007	"	Parma Ditch Co.
	300	"	O'Donnell
			Mace & Mace
			TOTAL 326

DRAINAGE WATER (not diverted from Boise River)

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

GRAND TOTAL 7 334

This acreage is based, in some instances, upon actual surveys, and in other cases upon the acreage determined at the time of the Stewart Decree, and is the best information available at the present time. It was originally computed February 14, 1941, but has been again revised (July, 1948), particularly to reduce river bottom acreages to conform to Stewart Decree acreages as determined by special committee. See explanation in Watermaster's Report for 1947.

Ridenbaugh represents old lands within the Nampa & Meridian Irrigation District that are watered by the old Ridenbaugh water rights in the Stewart Decree. The balance of the Nampa & Meridian Irrigation District lands are included under the Board of Control. (Some of the acreages were revised April 1944.)

BOISE VALLEY CANALS AND ACREAGE

York)		Warm Springs Slough	441 acres
ict . . .	17,763	Joplin	94 "
istrict . .	48,458	Conway & Hamming	259 "
g. Dist. .	40,193	Thos. Aiken	236 "
ct	56,622	Catlin & Mace	496 "
istrict . .	1,725	Hart & Davis	453 "
OL	164,761 acres	Graham & Gilbert	220 "
	26,747 "	Seven Suckers	58 "
of Boise Project)	102 "	Pioneer Irrig. District	34,500 "
	1,057 "	Eureka Water Co.	1,666 "
	90 "	Franklin & Mason Creek (Caldwell	
	500 "	High Line)	3,960 "
	159 "	Farmers Coop. Ditch Co.	15,897 "
vis	634 "	Canyon Ditch Co.	802 "
	12,300 "	Siebenberg	646 "
	1,799 "	Riverside Irrig. District	10,645 "
	2,500 "	Pioneer Dixie	2,030 "
	1,828 "	Eureka Ditch Co.	2,670 "
	8,300 "	Upper Center Point	641 "
	2,729 "	Lower Center Point	880 "
	600 "	Bowman & Swisher	424 "
	688 "	Mammon	449 "
	3,059 "	Haas	867 "
	763 "	Island High Line	1,000 "
	5,640 "	Larsen-Baxter-Lemp	200 "
	4,400 "	Boone	577 "
	1,286 "	Andrews	1,068 "
	4,007 "	Parma Ditch Co.	562 "
Island) . .	300 "	O'Donnell	120 "
		Mace & Mace	80 "
		TOTAL	326,190 "

DRAINAGE WATER (not diverted from Boise River)

Black Canyon Irrigation District . .	6,500 acres	
Caldwell Irrigation District	850 "	
Moreland & Vail (Dixie Drain) . . .	640 "	
		7,990 "
GRAND TOTAL		334,180 "

based, in some instances, upon actual surveys, and in other cases upon the acreage as
 the time of the Stewart Decree, and is the best information available at the present
 originally computed February 14, 1941, but has been again revised (July, 1948), particu-
 river bottom acreages to conform to Stewart Decree acreages as determined by special
 explanation in Watermaster's Report for 1947.

resents old lands within the Nampa & Meridian Irrigation District that are watered by
 ough water rights in the Stewart Decree. The balance of the Nampa & Meridian Irrigation
 are included under the Board of Control. (Some of the acreages were revised April 10,

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

1947

	Acres Diverted	Acres Irrigated	Acres Per Acre Diverted
# Board of Control	772,628	164,332	4.70
Penitentiary	2,806	429	6.54
Bubb	5,204	1,057	4.92
Ridenbaugh	157,198	26,747	5.88
Settlers	49,380	12,300	4.01
Thurman Mill	10,456	1,799	5.81
Consumers	6,566	2,500	2.63
Boise City	9,398	1,828	5.14
Farmers Union & Wise	40,692	8,900	4.57
Boise Valley	16,866	2,729	6.18
New Union	4,376	688	6.36
New Dry Creek	18,772	3,059	6.14
Ballantine	5,036	763	6.60
Middleton Irrigation Assoc.	27,582	5,640	4.89
Middleton Mill	18,388	4,400	4.18
Little Pioneer	10,586	1,286	8.23
Canyon County	21,648	4,007	5.40
Eagle Island Canals	13,746	2,637	5.21
Phyllis	107,128	23,500	4.56
Eureka #1	9,502	1,666	5.70
Caldwell High Line	16,348	3,960	4.13
Farmers Coop.	85,200	15,897	5.36
Canyon (Campbell)	5,446	802	6.79
Siebenberg	2,844	646	4.40
Riverside #2	50,496	10,645	4.74
Pioneer Dixie	16,430	2,030	8.09
Eureka #2	23,718	2,670	8.88
Upper Center Point	4,392	641	6.85
Lower Center Point	4,410	880	5.01
Miscellaneous	7,760	1,444	5.37
Total	1,525,002	309,882	4.92

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

Name of Canal	Acres Irrigated	1934	1935	1936	1937	1938	Acres Irrigated	1939	1940	1941
Board of Control	166,000	3.13	4.92	4.71	4.19	4.36	164,761	4.09	4.38	4.71
Penitentiary	429	3.87	5.36	4.66	5.04	4.97	429	4.67	4.07	3.69
Bubb (So. Boise)	745	5.41	5.55	5.56	5.34	6.34	745	5.74	5.26	6.36
Ridenbaugh	27,000	4.69	5.00	5.49	4.36	5.90	27,000	5.47	5.51	5.96
Settlers	12,300	2.77	3.50	3.56	2.97	3.91	12,300	3.52	3.29	3.79
Thurman Mill	1,858	5.76	5.62	4.74	5.08	5.72	1,858	6.21	5.18	5.06
Consumers	2,500	3.20	2.57	2.94	2.82	2.75	2,500	3.33	2.73	2.26
Boise City	1,903	5.53	4.99	4.45	4.60	5.12	1,903	5.23	4.79	5.30
Farmers Union	8,300	3.48	3.61	3.60)	3.53	4.35	8,900	4.17	3.33	4.40
Wise	600	6.58	5.67	5.68)						
Boise Valley	2,729	6.03	5.11	5.88	5.88	6.44	2,729	6.46	5.96	6.41
New Union	688	6.00	6.07	6.36	6.46	6.28	688	5.87	5.67	6.66
New Dry Creek	2,720	5.04	6.38	5.92	5.01	6.56	2,720	5.61	5.33	6.61
Ballantine	700	5.38	5.03	4.84	4.70	5.02	700	5.28	5.09	4.64
Middleton Irrig. Assoc.	5,704	4.26	3.64	3.99	4.61	5.47	5,704	5.52	5.89	6.05
Middleton Mill	4,400	3.53	4.78	5.06	3.41	4.00	4,400	3.42	3.56	3.31
Little Pioneer	1,286	6.80	6.98	6.55	6.84	7.59	1,286	6.47	5.48	6.16
Canyon County	3,790	5.40	5.42	4.72	4.80	4.96	3,790	5.27	4.72	5.36
#Eagle Island Canals	2,363	4.72	4.82	6.07	4.65	5.35	2,363	5.25	4.34	5.22
Phyllis	23,500	3.62	4.16	4.26	3.55	4.72	23,500	4.17	3.94	4.46
Eureka Water	1,666	4.58	4.91	4.60	4.39	4.36	1,666	5.05	4.55	5.61
Caldwell High Line	4,010	5.08	5.41	4.57	4.91	4.29	4,010	5.35	5.23	5.01
Farmers Coop.	15,500	3.94	4.93	4.72	4.53	6.04	15,500	4.45	4.46	5.08
Canyon (Campbell)	802	4.46	5.38	5.65	5.34	7.17	802	7.94	4.77	5.33
Siebenberg	646	3.84	5.02	3.98	4.11	4.12	646	5.05	4.43	4.29
Riverside #2	10,645	3.65	4.23	4.97	4.15	6.22	10,645	4.55	4.43	5.64
Pioneer Dixie	2,015	5.06	3.94	4.39	4.01	5.17	2,015	6.57	6.05	5.95
Eureka #2	2,595	4.87	4.85	3.91	4.19	5.24	2,595	5.88	5.94	5.68
Upper Center Point	621	3.68	4.87	4.16	4.33	3.95	621	5.59	5.70	6.06
Lower Center Point	845	4.66	3.56	1.93	3.02	2.88	845	4.67	5.44	5.79
#Miscellaneous	1,493	5.06	5.06	6.39	4.94	5.62	1,493	5.60	4.59	5.58
Total	310,353	3.62	4.76	4.69	4.16	4.76	309,114	4.09	4.47	4.89

#Eagle Island Canals: Lemp, Conway & Hamming, Aiken, Catlin & Mace, Mace & Mace, Hart & Davis, Grab

#Miscellaneous Canals: Meeves, Rossi Mill, Davis and Little Davis

Acres table was compiled in 1934, revised in 1939 and again revised in 1947.

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS
FOR EACH IRRIGATION SEASON FROM 1934

	1940	1941	1942	1943	1944	1945	1946	Acres Irrigated	1947
1939									
0.09	4.38	4.71	4.92	5.58	4.63	5.05	4.38	164,332	4.70
0.67	4.07	3.69	3.66	4.81	4.11	3.86	5.16	429	6.54
0.74	5.26	6.36	5.58	6.54	5.82	7.14	6.94	1,057	4.92
0.47	5.51	5.96	5.35	5.98	4.67	4.81	5.72	26,747	5.88
0.52	3.29	3.79	3.50	4.07	3.26	3.42	3.83	12,300	4.01
0.21	5.18	5.06	6.25	4.90	5.20	6.33	4.89	1,799	5.81
0.33	2.73	2.26	2.65	2.75	2.36	2.83	2.69	2,500	2.63
0.23	4.79	5.30	4.88	5.24	4.70	4.45	4.91	1,828	5.14
0.17	3.33	4.40	4.27	4.53	3.56	3.94	4.54	8,900	4.57
0.46	5.96	6.41	6.11	5.79	4.98	5.49	6.48	2,729	6.18
0.87	5.67	6.66	5.13	5.66	5.58	5.84	5.79	688	6.36
0.61	5.33	6.61	6.53	6.65	6.46	7.39	7.07	3,059	6.14
0.28	5.09	4.64	4.74	5.66	5.16	5.29	5.82	763	6.60
0.52	5.89	6.05	5.31	6.77	5.73	5.11	5.02	5,640	4.89
0.42	3.56	3.31	3.15	3.81	4.09	3.35	4.34	4,400	4.18
0.47	5.48	6.16	5.53	6.22	5.64	7.16	8.31	1,286	8.23
0.27	4.72	5.36	4.88	5.27	4.94	5.25	5.37	4,007	5.40
0.25	4.34	5.22	5.38	4.82	5.27	5.10	5.83	2,637	5.21
0.17	3.94	4.46	3.98	4.98	3.63	3.60	4.59	23,500	4.56
0.05	4.55	5.61	5.04	5.01	4.78	4.82	5.00	1,666	5.70
0.35	5.23	5.01	4.45	4.39	5.09	5.17	4.70	3,960	4.13
0.45	4.46	5.08	5.17	6.32	4.57	5.01	6.01	15,897	5.36
0.94	4.77	5.33	6.29	6.87	5.51	6.44	7.41	802	6.79
0.05	4.43	4.29	3.25	3.56	3.85	3.64	4.11	646	4.40
0.55	4.43	5.64	4.90	5.08	3.92	4.58	4.10	10,645	4.74
0.57	6.05	5.95	6.73	6.31	7.61	7.43	6.69	2,030	8.09
0.88	5.94	5.68	4.97	6.28	4.56	5.71	7.58	2,670	8.88
0.59	5.70	6.06	5.78	6.09	6.64	6.59	7.15	641	6.85
0.67	5.44	5.79	4.97	3.96	5.81	4.48	4.48	880	5.01
0.60	4.59	5.58	5.55	5.22	4.71	5.31	5.24	1,444	5.37
0.09	4.47	4.89	4.84	5.46	4.51	4.84	4.73	309,882	4.92

Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin and Seven Suckers

Chart No. 14

VALLEY CANALS

Seven Suckers

SUMMARY OF DIVERSIONS BY 18 CANALS FROM BOISE RIVER BEGINNING 1916

Acre Feet Diverted

	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934
66	58840	54720	38144	30380	13574	63910	35312	29258	44744	97480
94	133652	112660	122736	139664	127630	114192	135124	124554	123594	127234
80	128192	94400	127004	128168	119852	125390	97806	128286	137198	100320
58	121656	67656	126410	115496	103810	98520	59454	120818	108706	71736
06	97294	47762	101428	83036	72406	76562	36398	87472	80802	45442
96	92954	44760	80726	70006	58590	61944	32244	68098	58160	34896
00	612588	421958	596448	566750	498862	540518	396338	558486	553204	477108

Acre Feet Diverted Per Acre

49	.52	.48	.34	.27	.12	.57	.31	.26	.40	.86
04	1.19	1.00	1.09	1.24	1.15	1.01	1.20	1.11	1.10	1.13
80	1.14	.84	1.13	1.14	1.07	1.11	.87	1.14	1.22	.89
44	1.08	.60	1.12	1.03	.93	.88	.53	1.07	.95	.64
26	.86	.42	.90	.73	.65	.68	.32	.78	.72	.40
28	.65	.40	.71	.62	.52	.55	.29	.60	.51	.31
31	5.44	3.74	5.29	5.03	4.44	4.80	3.52	4.96	4.90	4.23

Rate in Miners Inches Per Acre Diverted

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

Percent During Each Month

[illegible]

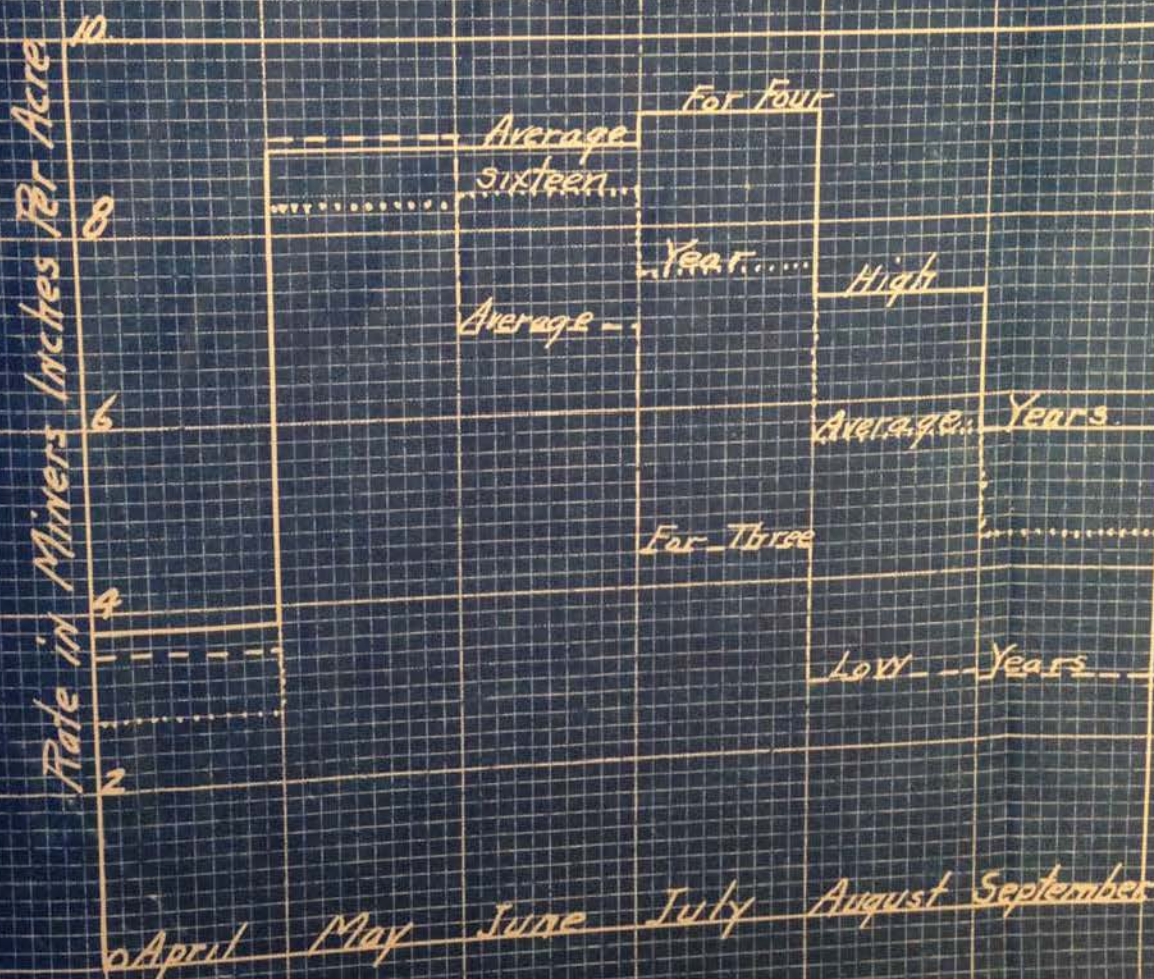
	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
13	97480	27234	32734	19306	33230	86482	41376	80552	55738	39208	2452
14	127234	135380	144266	139962	127512	149266	149934	131998	113370	134538	13192
18	100320	129017	113914	120658	130646	116346	129186	108418	111610	120988	11070
26	71736	102937	99646	92842	123436	85122	90458	101136	111536	129638	10309
22	45442	75411	71296	63396	101832	67000	75504	88616	87944	118256	7585
60	34896	55207	70204	35322	87722	47792	45104	77930	67998	89438	6239
04	477108	525186	532060	471486	604378	552008	531562	588650	548196	632066	50849
40	.86	.24	.29	.17	.29	.77	.36	.72	.50	.33	.21
10	1.13	1.18	1.28	1.24	1.10	1.33	1.29	1.17	1.00	1.16	1.14
22	.89	1.12	1.01	1.07	1.13	1.03	1.11	.96	.99	1.04	.95
95	.64	.89	.88	.82	1.06	.76	.78	.90	.99	1.12	.89
72	.40	.65	.63	.56	.87	.59	.65	.78	.78	1.02	.65
51	.31	.48	.63	.32	.76	.42	.39	.69	.60	.77	.54
90	4.23	4.56	4.72	4.18	5.21	4.90	4.58	5.22	4.86	5.44	4.38
33	.72	.20	.24	.14	.24	.64	.30	.60	.42	.27	.17
92	.94	.99	1.07	1.03	.92	1.10	1.07	.98	.83	.97	.95
02	.74	.94	.84	.88	.94	.86	.93	.80	.82	.87	.79
79	.53	.75	.73	.68	.88	.63	.65	.75	.82	.93	.74
60	.33	.54	.52	.46	.72	.49	.54	.65	.65	.85	.54
42	.26	.40	.52	.26	.63	.35	.32	.57	.50	.64	.45
68	.59	.64	.65	.58	.72	.68	.65	.73	.67	.75	.61
8.1	20.3	5.3	6.2	4.1	5.6	15.7	7.9	13.8	10.3	6.1	4.8
2.5	26.7	25.9	27.1	29.8	21.1	27.0	28.0	22.4	20.6	21.3	26.0
5.0	21.1	24.6	21.4	25.5	21.7	21.2	24.4	18.4	20.4	19.1	21.7
9.4	15.1	19.5	18.7	19.7	20.3	15.5	17.1	17.3	20.4	20.6	20.3
4.7	9.5	14.2	13.4	13.4	16.7	12.0	14.2	14.9	16.0	18.8	14.9
0.3	7.3	10.5	13.2	7.5	14.6	8.6	8.4	13.2	12.3	14.1	12.3
00.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.00	100.0	100.0

Chart No. 15.

1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
27234	32734	19306	33230	86482	41376	80552	55738	39208	24516
135380	144266	139962	127512	149266	149934	131998	113370	134538	131926
129017	113914	120658	130646	116346	129186	108418	111610	120988	110708
102937	99646	92842	123436	85122	90458	101136	111536	129638	103094
75411	71296	63396	101832	67000	75504	88616	87944	118256	75854
55207	70204	35322	87722	47792	45104	77930	67998	89438	62392
525186	532060	471486	604378	552008	531562	588650	548196	632066	508490
.24	.29	.17	.29	.77	.36	.72	.50	.33	.21
1.18	1.28	1.24	1.10	1.33	1.29	1.17	1.00	1.16	1.14
1.12	1.01	1.07	1.13	1.03	1.11	.96	.99	1.04	.95
.89	.88	.82	1.06	.76	.78	.90	.99	1.12	.89
.65	.63	.56	.87	.59	.65	.78	.78	1.02	.65
.48	.63	.32	.76	.42	.39	.69	.60	.77	.54
4.56	4.72	4.18	5.21	4.90	4.58	5.22	4.86	5.44	4.38
.20	.24	.14	.24	.64	.30	.60	.42	.27	.17
.99	1.07	1.03	.92	1.10	1.07	.98	.83	.97	.95
.94	.84	.88	.94	.86	.93	.80	.82	.87	.79
.75	.73	.68	.88	.63	.65	.75	.82	.93	.74
.54	.52	.46	.72	.49	.54	.65	.65	.85	.54
.40	.52	.26	.63	.35	.32	.57	.50	.64	.45
.64	.65	.58	.72	.68	.65	.73	.67	.75	.61
5.3	6.2	4.1	5.6	15.7	7.9	13.8	10.3	6.1	4.8
25.9	27.1	29.8	21.1	27.0	28.0	22.4	20.6	21.3	26.0
24.6	21.4	25.5	21.7	21.2	24.4	18.4	20.4	19.1	21.7
19.5	18.7	19.7	20.3	15.5	17.1	17.3	20.4	20.6	20.3
14.2	13.4	13.4	16.7	12.0	14.2	14.9	16.0	18.8	14.9
10.5	13.2	7.5	14.6	8.6	8.4	13.2	12.3	14.1	12.3
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.00	100.0	100.0

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
CANALS IN DRAINAGE DISTRICT N
IRRIGATION SEASON

CANALS	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
Farmers Union & Wise	3,854	9,998	7,992	8,416	6,584	3,848	40,692
Boise Valley	1,214	3,676	3,420	3,698	2,836	2,022	16,866
New Dry Creek	950	5,008	3,782	4,314	2,886	1,832	18,772
New Union	298	1,022	880	854	782	540	4,376
Ballantine	154	1,600	1,236	1,008	688	350	5,036
Little Pioneer	716	3,062	2,360	1,970	1,500	978	10,586
Middleton Canals	4,454	13,412	7,092	10,368	6,224	4,420	45,970
Canyon County	1,816	6,264	3,508	4,614	2,722	2,724	21,648
Totals	13,456	44,042	30,270	35,242	24,222	16,714	163,946

TOTAL MONTHLY FLOW IN
OF DRAINS IN DRAINAGE DI
SEASON 1947

DRAINS	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
Eagle Drain	1,724	2,930	3,384	4,618	3,886	3,494	20,036
Star Feeder	358	2,958	3,144	3,350	2,406	3,214	15,430
Watts Check	832	2,414	1,196	1,852	1,122	1,412	8,828
Long Feeder	548	2,008	1,074	1,154	842	602	6,228
South Middleton Drain	3,052	5,282	5,536	4,326	2,464	3,974	24,634
North Middleton Drain	1,298	2,674	2,680	2,428	1,378	1,900	12,358
Hartley Drain	504	1,486	1,104	1,284	1,438	1,182	6,998
Totals	8,316	19,752	18,118	19,012	13,536	15,778	94,512

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

IRRIGATION SEASON OF 1947

SUMMARY TABLE

Y	AUGUST	SEPTEMBER	TOTAL	Year	Canal Diversions	Drain Discharge	Used, P and Wint
6	6,584	3,848	40,692	1922	6.38	2.90	3.
8	2,836	2,022	16,866	1923	6.95	2.99	3.
814	2,886	1,832	18,772	1924	5.03	2.59	2.
854	782	540	4,376	1925	6.21	2.42	3.7
008	688	350	5,036	1926	4.92	1.97	2.9
970	1,500	978	10,586	1927	6.28	2.62	3.6
368	6,224	4,420	45,970	1928	6.08	2.78	3.30
614	2,722	2,724	21,648	1929	5.46	2.27	3.2,9
242	24,222	16,714	163,946	1930	5.97	2.61	3.36
TOTAL MONTHLY FLOW IN ACRE FEET,				1931	5.06	1.99	3.07
OF DRAINS IN DRAINAGE DISTRICT NO. 2				1932	5.73	2.36	3.37
SEASON 1947				1933	5.09	2.36	2.73
JULY	AUGUST	SEPTEMBER	TOTAL	1934	4.59	2.41	2.18
4,618	3,886	3,494	20,036	1935	4.88	2.27	2.61
3,350	2,406	3,214	15,430	1936	4.86	2.55	2.31
1,852	1,122	1,412	8,828	1937	4.73	2.37	2.36
1,154	842	602	6,228	1938	5.40	2.84	2.56
4,326	2,464	3,974	24,634	1939	5.26	2.32	2.94
2,428	1,378	1,900	12,358	1940	4.90	2.51	2.39
1,284	1,438	1,182	6,998	1941	5.51	2.80	2.71
9,012	13,536	15,778	94,512	1942	5.14	2.72	2.42
				1943	5.70	3.10	2.60
				1944	5.07	2.49	2.58
				1945	5.21	2.73	2.48
				1946	5.66	2.70	2.96

Chart No. 17

ACRE FEET, OF
2 FOR 29,000 ACRES
F 1947

SUMMARY TABLE

Year	Canal Diversions	Drain Discharge	Used, Retained and Winter Runoff
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	2.73
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	2.56
1939	5.26	2.32	2.94
1940	4.90	2.51	2.39
1941	5.51	2.80	2.71
1942	5.14	2.72	2.42
1943	5.70	3.10	2.60
1944	5.07	2.49	2.58
1945	5.21	2.73	2.48
1946	5.66	2.70	2.96

IN ACRE FEET,
DISTRICT NO. 2
1947

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

SEASON OF 1947

	April	May	June	July	August	September	Total
Average Daily Flow in Second Feet	11.3	17.5	26.5	30.9	17.2	10.9	19.1
Total Monthly Flow in Acre Feet	678.0	1086.0	1588.0	1916.0	1068.0	652.0	6988.0
Acre Feet Per Acre	.16	.26	.38	.45	.25	.15	1.65

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

SEASON OF 1947

	April	May	June	July	August	September	Total
Average Daily Flow in Second Feet	5.1	14.2	16.0	20.5	22.6	24.4	17.2
Total Monthly Flow in Acre Feet	306.0	880.0	960.0	1270.0	1402.0	1464.0	6282.0
Acre Feet Per Acre	.12	.35	.38	.51	.56	.59	2.51

1947
1946
1945
1944
1943
1942
1941
1940
1939
1938
1937
1936
1935
1934
1933
1932
1931
1930
1929
1928
1927
1926
1925
Su
Acre

Chart No. 18

NG TOTAL DISCHARGE OF ALL DRAINS

E DISTRICT NO. 3 FOR 4200 ACRES

SEASON OF 1947

	July	August	September	Total
	30.9	17.2	10.9	19.1
	1916.0	1068.0	652.0	6988.0
38	.45	.25	.15	1.65

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
1942	1.04
1943	1.12
1944	1.08
1945	1.10
1946	1.24
1947	1.65

ING TOTAL DISCHARGE OF ALL DRAINS

AGE DISTRICT NO. 4 FOR 2500 ACRES

SEASON OF 1947

	July	August	September	Total
6.0	20.5	22.6	24.4	17.2
0.0	1270.0	1402.0	1464.0	6282.0
.38	.51	.56	.59	2.51

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
1942	2.59
1943	2.72
1944	2.59
1945	2.67
1946	2.68
1947	2.51

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
April		447	939		1093	822	441	1075	903	650	412	681	304	1
May		861	1192	1214	1247	1008	629	1475	741	1228	644	350	638	8
June		545	1191	1341	1281	1048	817	880	963	1200	594	1123	588	9
July	465	498	1006	1179	756	598	697	888	836	877	372	935	412	9
Aug.	276	381	727	690	785	558	630	811	713	800	341	799	376	7
Sept.	469	460	739	715	938	549	596	814	618	863	311	880	496	83
Average	403	533	964	1027	1011	763	635	990	795	739	446	794	469	83

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
April														
May														
June											243		214	
July	139	122			227	252			242		180		137	
Aug.	70	130	194	254	270	233	203	285	239	286	176	328	144	272
Sept.	201	150	199	225	263	248	118	267	180	344	134	323	209	247
Average	123	137	196	242	260	242	178	281	213	315	183	325	176	260

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
April														
May														
June											339		343	
July	357	249			431	352			547		192		275	
Aug.	213	245	503	425	503	325	426	526	474	574	165	470	232	455
Sept.	280	300	540	386	500	307	420	512	439	613	177	560	287	592
Average	275	281	521	409	490	328	424	519	467	593	218	515	284	524

SUMMARY TABLE IN SECOND FEET
SHOWING RETURN FLOW TO BOISE RIVER

RETURN FLOW TO ENTIRE RIVER

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
681	304	711	839	467	274	336	423	488	348	212	185	357	591
350	638	860	983	600	758	670	1825	1300	724	815	976	685	1355
1123	588	946	1140	1077	869	694	1243	929	839	1204	1147	987	1373
935	412	902	706	538	673	386	980	658	515	669	735	598	1213
799	376	728	552	483	626	345	555	551	374	504	589	464	753
880	496	839	698	571	658	384	581	540	454	505	713	473	823
794	469	831	820	623	643	469	934	744	542	652	725	594	1018

RETURN FLOW TO SECTION ONE

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
	214												
	137												
328	144	272	222	137	260	158	336	216	204	257	343	273	
323	209	247	187	170	230	157	183	247	110	201	294	185	242
			257	184	262	167	183	177	168	197	377	168	233
325	176	260	222	164	251	161	234	213	161	218	338	208	238

RETURN FLOW TO SECTION TWO

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
	343													
	275													
470	232	455	459	398	414	228	623	409	314	412	438	326		358
560	287	592	365	313	395	188	372	325	264	305	329	280	511	281
			442	412	396	217	398	361	286	308	376	305	590	411
515	284	524	422	374	401	211	464	365	288	341	381	303	550	350

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
5	105	357	593	259	607	547	558	533	370	287	461	579
12	976	685	1355	956	955	1269	1091	491	591	779	872	1098
15	1147	987	1373	875	879	1334	1000	778	1223	972	1028	1265
19	735	598	1213	605	637	746	648	885	657	914	895	916
24	589	464	753	505	535	746	637	891	589	675	776	742
25	713	473	823	660	716	840	681	945	652	697	843	951
52	725	594	1018	643	721	914	769	754	680	711	795	927

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
257	343	273		246	213	290	92		139	250	228	331
201	294	185	242	221	212	269	227	170	196	186	294	316
197	377	168	233	249	222	267	190	219	200	203	198	317
218	338	208	238	239	216	275	169	195	178	213	240	321

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
412	438	326		358	422	479	556		518	664	666	591
305	329	280	511	281	323	482	409	567	393	489	529	459
308	376	305	590	411	494	578	491	538	452	493	645	657
341	381	303	550	350	413	513	485	552	454	549	613	569

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
			:	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

(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	1100
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	1200
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	1300
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	1400
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	1500
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	800	:	30	90500	1600
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

Chart 20-B

(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		3000
3171	169200	2200	:			
72	171400	2200	:	2967	C. L. of Sluice Gates	
73	173600	2200	:	3018	C. L. of Lower Valves	
74	175800	2200	:	3105	C. L. of Upper Valves	
75	178000	2300	:	3205	Crest of Spillway Weir	
3176	180300	2300	:	3211	Top of Moveable Crest	
77	182600	2300	:			
78	184900	2300	:			
79	187200	2300	:			
80	189500	2300	:			

INTERVENORS - STEWART DECREE BOISE RIVER

NUMBER	DATE	NAME	CANAL	AMOUNT DECREED	
				SEC. FT.	INCHES
66-A	4-1-1878	J. S. Kraus			
129-A	4-1-1897	H. E. Plain	Ballantine	.80	40
66-C	4-1-1878	J. W. Kolander	Dry Creek	.54	27
66-D	4-1-1878	M. T. Griffith	Ballantine	1.40	70
73-A	4-1-1880	Goble & Songer	Ballantine	.80	40
75-A	6-1-1880	C. B. Frank	Dry Creek	.54	27
136	5-1-1906	H. E. Wymer	Dry Creek	.816	40.80
85-A	6-1-1882	Leo Marsters	Ballantine	.356	17.80
137	5-1-1909	B. P. Weaverling	Warm Springs	1.60	80
138	6-14-1912	Wesley A. Mace	Mace & Mace	1.60	80
85-C	5-1-1883	Wm. Huckba	Catlin & Mace	.40	20
85-D	5-1-1883	C. H. Schmelzer	Dry Creek	.203	10.15
85-E	5-1-1883	C. W. McClurg	Ballantine	.7506	37.53
124-A	5-1-1893	W. D. Charters	Dry Creek	.35	17.50
85-B	4-1-1883	Jacob Bingham	" "	.75	37.50
77-A	4-15-1882	Roc Helms	Settlers	1.00	50
8-A	4-1-1865	Adolph Bahler	Riverside Irrig. Dist.	3.674	183.70
47-A	4-1-1870	" "	Bahler	.80	40
35-A	6-1-1867	Ralph T. Knight	" "	.80	40
116-A	6-1-1890	Anna Spencer	Canyon County	1.76	88
116-B	6-1-1890	Willis B. Spencer	Riverside Irrig. Dist.	.72	36
116-C	6-1-1890	Rebecca Bell	" " "	.10	5
114-A	5-1-1889	Neil & Patrick O'Donnell	" " "	.40	20
114-B	5-1-1889	Gus A. Barth	O'Donnell & Barth	1.60	80
77-A	6-1-1881	" "	" "	.80	40
77-B	6-1-1881	Charles Jurries	Parma Ditch Co.	1.60	80
77-C	6-1-1881	James Finlay	" " "	.34	17
77-D	6-1-1881	Lester J. Shippy	" " "	.80	40
31-A	6-1-1866	Wm. Musser	" " "	1.30	65
31-B	6-1-1866	Minnie & Jerry Cousens	Lawrence & Kennedy	2.30	115
31-C	6-1-1866	Albert C. Bowerman	Middleton Water	.60	30
71-A	4-1-1879	Island Highline Ditch Co.	Lawrence & Kennedy	1.10	55
137-A	4-1-1910	" " " "		3.00	150
139	4-1-1915	" " " "		7.00	350
75-A	1880	Albert Lemp et al		10.00	500
29-A	1865	Louise Slomson	Larsen-Baxter & Lemp	3.20	160
8-B	4-1-1865	First Nat. Bank of Pueblo	Lemp Ditch-Eagle Island	6.00	300
29-B	1865	S. G. Hardies & Amelia Easley	Bubb	1.80	90
51-A	1870	" " " "	Bubb	.50	25
116-A	1889	" " " "	"	1.00	50
				.84	42

INTERVENORS - STEWART DECREE
BOISE RIVER

CHART 21

NAME	CANAL	AMOUNT DECREED		DEPT. OF REC. FILE NO.
		SEC. FT.	INCHES	
J. S. Kraus	Ballantine	.80	40	373
H. F. Plain	Dry Creek	.54	27	373
J. W. Kolander	Ballantine	1.40	70	373
M. T. Griffith	Ballantine	.80	40	373
Goble & Songer	Dry Creek	.54	27	373
C. B. Frank	Dry Creek	.816	40.80	380
H. E. Wymer	Ballantine	.356	17.80	325
Leo Marsters	Warm Springs	1.60	80	324
B. P. Weaverling	Mace & Mace	1.60	80	294
Wesley A. Mace	Catlin & Mace	.40	20	293
Wm. Huckba	Dry Creek	.203	10.15	321
C. H. Schmelzer	Ballantine	.7506	37.53	320
C. W. McClurg	Dry Creek	.35	17.50	319
W. D. Charters	" "	.75	37.50	318
Jacob Bingham	Settlers	1.00	50	317
Roc Helms	Riverside Irrig. Dist.	3.674	183.70	295
Adolph Bahler	Bahler	.80	40	412
" "	"	.80	40	412
Ralph T. Knight	Canyon County	1.76	88	419
Anna Spencer	Riverside Irrig. Dist.	.72	36	12-A Misc.
Willis B. Spencer	" " "	.10	5	" "
Rebecca Bell	" " "	.40	20	" "
Neil & Patrick O'Donnell	O'Donnell & Barth	1.60	80	466
Gus A. Barth	" "	.80	40	467
" "	Parma Ditch Co.	1.60	80	467
Charles Jurries	" " "	.34	17	467
James Finlay	" " "	.80	40	467
Lester J. Shippy	" " "	1.30	65	467
Wm. Musser	Lawrence & Kennedy	2.30	115	482
Minnie & Jerry Couzens	Middleton Water	.60	30	482
Albert C. Bowerman	Lawrence & Kennedy	1.10	55	482
Island Highline Ditch Co.		3.00	150	491
" " " "		7.00	350	491
" " " "		10.00	500	491
Albert Lemp et al	Larsen-Baxter & Lemp	3.20	160	496
Louise Slomson	Lemp Ditch-Eagle Island	6.00	300	496
First Nat. Bank of Pueblo	Bubb	1.80	90	497
S. G. Hardies & Amelia Eisley	Bubb	.50	25	498
" " " "	"	1.00	50	498
" " " "	"	.84	42	498

No. of Change
of Point of
Diversion

TABLE SHOWING CHANGE IN POINT OF DIVERSION O

	Point of Diversion		Date of Change	Priority		No.
	From	To		No.	Date	
3	Eureka No. 2	Eureka No. 2	4-2-1912			
9	Pioneer Dixie	Pioneer Dixie	7-31-1912	96	10-1-87	
29	Caldwell High Line	Canyon County	8-26-1918			
32	Davis	Davis Mith	7-15-1919			
35	Pioneer Dixie	Riverside	4-3-1919			
36	Canyon County	Middleton Water	4-12-1918	35	6-1-67	
38	Hart & Davis	Seven Suckers	9-24-1915			
39	Hart & Davis	Seven Suckers	6-12-1918			
48	Pioneer Dixie	Pioneer Dixie	9-26-18			
50	Lower Cen. Point	Bowman & Swisher	3-31-1920	19	6-1-65	
51	Lower Cen. Point	Bowman & Swisher	3-31-1920	20	6-1-65	
54	Canyon County	Middleton Mill	4-24-1920	35	6-1-67	
57	Middleton Water	Ballantine	12-2-1920	65	6-1-77	
59	Kennedy	Canyon County	3-18-1921	31	6-1-66	
61	Kennedy & Lawrence	Middleton Water	6-22-1921	31-B	6-1-66	
64	Ballantine	Dry Creek	12-21-1921	102	6-1-88	
75	Middleton Mill	Canyon County	11-25-1924			
76	Settlers	Settlers	3-12-1925	85-B	4-1-83	
77	Bubb	Bahler	4-26-1925	8-A	4-1-65	
77	Bubb	Bahler	4-26-1925	47-A	4-1-70	
83	Warm Springs	Settlers	4-29-1926			
84	Middleton Water	Farmers Union	3-9-1926	65	6-1-77	
85	Upper Cen. Point	Eureka No. 2	5-7-1926			
91	Ballantine	Dry Creek	6-23-1926	103		
103	Parma Ditch	Parma Ditch	10-3-1928			
126	Lawrence & Kennedy	Middleton Water	3-25-1931	31-A	6-1-66	
127	Bowman & Swisher	Larsen, Baxter & Lemp	8-15-1930		6-1-65	
131	Eureka No. 2	Lower Cen. Point	1-16-32	89	11-9-83	
140	Ballantine	New Dry Creek	4-23-1934	85-D	5-1-83	
141	Fischer Power	Fischer Power	12-18-1934		7-9-12	
147	Middleton Mill	Canyon County	1-8-1936		6-1-67	
148	Pioneer Dixie	Upper Cen. Point No. 1	4-17-1936	96	10-1-87	
151	New Dry Creek	Ballantine	2-10-1937		5-1-93	
152	Bahler Ditch	Ridenbaugh	5-15-1937		4-1-70	
153	Rein-Keogh-Bahler	Ridenbaugh	5-15-1937		5-1-95	
154	Bahler Ditch	Ridenbaugh	5-15-1937		4-1-65	
159	Upper Cen. Point	Eureka No. 2	5-27-1939		6-1-65	
161	Ballantine	New Dry Creek	5-5-1940	103	6-1-88	
174	Ballantine	New Dry Creek	3-28-1944	103	6-1-88	
175	Riverside	Eureka	4-11-1944		6-1-83	
176	Mammon Ditch	Haas Ditch	4-18-1944		6-1-78	
179	Catlin-Mace	Seven Suckers	3-31-1945	5)	6-1-64)	
				52)	6-1-71)	

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

Date of Change	Priority		No. of Acres	Quantity in Inches	By Whom	
	No.	Date				
4-2-1912	96	10-1-87	80	50	Thos. T. Johnston	
7-31-1912					Albert F. Clemens	
8-26-1918					J. C. Hughes	
7-15-1919					Ed Davis	
4-3-1919	35	6-1-67	160	100	Rebecca Bell	
4-12-1918				19	Draper & Others	
9-24-1915				52	Shafer & Others	
6-12-1918					George Rambo	
9-26-18					Jas. D. Ruark	
3-31-1920	19	6-1-65	35	144	John S. Swisher	
3-31-1920	20	6-1-65		320	Bird Bowman	
4-24-1920	35	6-1-67		55½	H. G. Dudley	
12-2-1920	65	6-1-77		30	Edward McClintick	
3-18-1921	31	6-1-66		130	W. Kennedy	
6-22-1921	31-B	6-1-66		30	Minnie Cousens	
12-21-1921	102	6-1-88		10	Harry Seavey	
11-25-1924				25	Detweed Etc. Bank	
3-12-1925	85-B	4-1-83		50	Jacob Bingham	
4-26-1925	8-A	4-1-65		40	Adolph Bahler	
4-26-1925	47-A	4-1-70	80	40	Adolph Bahler	
4-29-1926				36	Leo Marsters	
3-9-1926	65	6-1-77		40	J. C. Ralph	
5-7-1926				25	J. C. Bruce	
6-23-1926				32½	Ira E. Barber	
10-3-1928					Charles Jurries	
3-25-1931	31-A	6-1-66		115	Wm. Musser	
Lemp 8-15-1930		6-1-65		40	Wm. Baxter	
1-16-32	89	11-9-83		35	R. E. McGuire	
4-23-1934	85-D	5-1-83		3	Chas. H. Schmelzer	
12-18-1934		7-9-12		Fischer Power Only		
1-8-1936		6-1-67	10	Cora M. Clifton		
No. 1 4-17-1936	96	10-1-87	75	Dora Greer		
2-10-1937			6½	J. H. Cone		
5-15-1937			40	Adolph Bahler		
5-15-1937			50	Adolph Bahler		
5-15-1937			40	Adolph Bahler		
5-27-1939			5	Raymond T. Breshears		
5-5-1940			103	6-1-88	32½	Sid Barber
3-28-1944			103	6-1-88	12	Frank M. Ray
4-11-1944				6-1-83	85	Wilbur Breshears
4-18-1944				6-1-78	440	Charlottie D. Allen
3-31-1945	5)	6-1-64)	12	Idaho Fish & Game Dept.		
	52)	6-1-71)				

DECREED RIGHTS ON BOISE RIVER

CHART 22

of res	Quantity in Inches	By Whom	Remarks
80		Thos. T. Johnston	
50	50	Albert F. Clemons	
		J. C. Hughes	
160	100	Ed Davis	
	19	Rebecca Bell	
	52	Draper & Others	
		Shafer & Others	
		George Rambo	
	144	Jas. D. Ruark	To Indian Creek
	320	John S. Swisher	
	55½	Bird Bowman	
35	30	H. G. Dudley	Foots & Wiseman
	130	Edward McClintick	
	30	W. Kennedy	
	10	Minnie Couzens	
	25	Harry Seavey	
	50	Detweed Etc. Bank	
80	40	Jacob Bingham	
	40	Adolph Bahler	
	36	Adolph Bahler	
	40	Leo Marsters	
	25	J. C. Ralph	
	32½	J. C. Bruce	
		Ira E. Barber	Not approved by ditch companies
	115	Charles Jurries	Secretary
	40	Wm. Musser	
	35	Wm. Baxter	
	3	R. E. McGuire	
		Chas. H. Schmelzer	Below Fairview Bridge
		Fischer Power Only	
	10	Cora M. Clifton	
	75	Dora Greer	Decreed to Amer. Ditch Assoc.
	6¾	J. H. Cone	
	40	Adolph Bahler	
	50	Adolph Bahler	
	40	Adolph Bahler	
	5	Raymond T. Breshears	
	32½	Sid Barber	
	12	Frank M. Ray	
	85	Wilbur Breshears	
	440	Charlottie D. Allen	
	12	Idaho Fish & Game Dept.	

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

Number of Transfer	Point of Diversion		Priority No.	Date	Date of Transfer	Quantity in Inches
From	To					
34	Settlers	Settlers	92	10-17-84	3-16-1909)	15
34	"	"	122	6-1-91	3-16-1909)	
36	American Ditch Assn.	Pioneer Dixie	96	10-1-87	4-19-1909	100
38	American Ditch Assn.	Canyon Ditch Co.	96	10-1-87	9-1-1909	605
45	Settlers	Settlers			2-5-1910	10
46	Barber Lumber Co.	Penitentiary	50	6-1-66	2-4-1910	112
47	American Ditch Assn.	Eureka No. 2	96	10-1-87	3-18-1910	1475
48	American Ditch Assn.	Pioneer Dixie	96	10-1-87	3-31-1910	210
50	Settlers	Settlers			6-7-1910	20
62	Pioneer Dixie	Eureka No. 2	96	10-1-87	11-14-1910	50
71	Upper Can. Point	Eureka No. 2	24	6-1-65	3-14-1911	40
105	Siebenberg	Canyon Ditch	9	6-1-65	9-18-1912	25
111	Eureka No. 2	Hillcrest	96	10-1-87	11-25-1912	60
111	Pioneer Dixie	Hillcrest	8	6-1-64)	11-25-1912)	1017
111	"	"	45	6-1-69)	11-25-1912)	
136	Jacobs	Farmers Union	2	6-1-64	6-8-1914	1000
219	Pioneer Irr. Dist.	Pioneer Irr. Dist.			7-15-1918	432
300	Middleton Mill	Dry Creek			4-20-1921	17.5
301	Middleton Mill	Dry Creek			4-20-1921	77
347	Middleton Mill	Settlers	3	6-1-64	2-6-1925	7
349	Middleton Mill	Settlers	3	6-1-64	2-6-1925	7
350	Middleton Mill	Settlers	3	6-1-64	2-6-1925	7
357	Middleton Water	Settlers	65	6-1-77	5- -1925	10
370	Boise City	Farmers Union	33	6-1-66	3-16-1926	56.2
373	Boise City	Farmers Union	33	6-1-66	4-26-1926	18.7
374	Middleton Water #1	Farmers Union	65	6-1-77	5-6-1926	20
375	Middleton Water	Farmers Union	65	6-1-77	5-6-1926	10
384	Middleton Water	Farmers Union	65	6-1-77	7-8-1926	20
385	Middleton Water	Farmers Union	65	6-1-77	7-8-1926	13.3
386	Middleton Water	Farmers Union	65	6-1-77	7-8-1926	20
387	Middleton Water	Farmers Union	65	6-1-77	7-8-1926	20
391	Middleton Mill	Farmers Union	3)	6-1-64)	8-13-1926	7.5
			54)	6-1-71)		
392	Middleton Water	Ridenbaugh	65	6-1-77	8-21-1926	20
393	Middleton Mill	Farmers Union	3)	6-1-54)	9-15-1926	14.4
393	Middleton Mill	Farmers Union	54)	6-1-71)		
393	Middleton Mill	Farmers Union	120)	6-1-91)		
395	Middleton Water	Farmers Union	65	6-1-77	11-16-1926	25
395	Thurman	Settlers	81	6-1-82	12-2-1927	20
412	Farmers Union	Settlers	65	6-1-77	7-2-1928	12.5
430	Ridenbaugh	New York	106	8-20-88	7-6-1929	445
466	Settlers	Settlers	65	6-1-77	7-12-1929	5
468	Settlers	Settlers	92	10-17-84	11-18-1929	10
477	Settlers	Settlers	92	10-17-84	4-7-1930	3
483	Settlers	Farmers Union	1	6-1-64	5-27-1932	50
512	Jacobs Canal	Farmers Union	1	6-1-64	5-27-1932	25
513	Jacobs Canal	Farmers Union	1	6-1-64	5-15-34	15
530	Jacobs Ditch	Farmers Union	2	6-1-64	12-31-1934	34.37
542	Farmers Union	Nampa-Meridian	1	6-1-64	9-9-1938	
595	Jacobs Canal	Settlers	1	6-1-64	9-9-1938	
595	Jacobs Canal	Pioneer Dixie	88	6-1-83	4-29-1940	50
608	Riverside	Pioneer Dixie	88	6-1-83	11-12-1942	35
644	Riverside	Settlers	30	5-1-66	10-18-1943	25
654	Consumers	Settlers	30	5-1-66	10-18-1943	50
654	Consumers	Settlers	30	5-1-66	10-18-1943	25
654	Consumers	Pioneer-Dixie	88	6-1-83	4-11-1944	30
660	Riverside	Settlers	30	5-1-66	4-29-1946	8
694	Consumers	Settlers	30	5-1-66	4-29-1946	6

RIGHTS ON BOISE RIVER

Year of Transfer	Quantity in Inches	By Whom Transferred	Remarks
6-1909)	15	Walter S. Bruce	
6-1909)			
9-1909	100		
1-1909	605	C. H. Rosenberger	Change in point of diversion only
5-1910	10	Wm. M. Messler	
4-1910	112	J. E. Moore	
8-1910	1475	Barber Lumber Co.	
1-1910	210	American Ditch Assn.	Change in point of diversion only
7-1910	20	Nichols & Cooper	Change in point of diversion only
14-1910	50	J. P. Cleek	
14-1911	40	J. A. Cartright	
8-1912	25	J. D. Roland	Change in point of diversion only
25-1912	60	H. E. Meek	
25-1912)	1017	H. L. Randall & Others	
25-1912)		H. L. Randall & Others	
8-1914	1000		
15-1918	432	Boise Fruit Tract Co.	
20-1921	17.5	Pioneer Irr. Dist.	Licensed Right Indian Creek
20-1921	77	Emma M. Fowler	
6-1925	7	John F. Groome	
6-1925	7	C. E. White	
6-1925	7	Frank Weasel	
6-1925	10	Carl A. Gish	
16-1926	56.2	Nellie B. Whitaker	
26-1926	18.7	Henry W. Bartlett	
6-1926	20	L. A. Rice	
6-1926	10	H. D. Parks	
8-1926	20	A. G. Wing	
8-1926	20	Mary F. Leach	
8-1926	13.3	H. E. McConnell	
8-1926	20	H. W. Bartlett	
8-1926	20	E. E. Smith	
13-1926	7.5	Rush Chase	
8-21-1926	20	Fred Eggers	
15-1926	14.4	A. C. Bowerman	
1-16-1926	25	G. R. McGuire	
2-2-1927	20	Chas. P. Mace	
7-2-1928	12.5	O. E. Allison	Formerly Middleton Water
7-6-1929	445	W. H. Tuller	
12-1929	5	C. C. Wood	
1-18-1929	10	Chas. N. Walker	
4-7-1930	3	Frank P. Weasel	
27-1932	50	W. Scott Anderson	
27-1932	25	Farmers Union Ditch	
15-34	15	A. B. Whitney	
2-31-1934	34.37	Federal Land Bank	
9-9-1938		Boise Trust Co.	Somermeir
9-9-1938		Boise Trust Co.	Falk
29-1940	50	W. F. Tracy	
1-12-1942	35	S. E. Smith	
0-18-1943	25	W. W. Howell	Larson Tract
0-18-1943	50	W. W. Howell	Hamming Tract
0-18-1943	25	W. W. Howell	Budge Tract
4-11-1944	30	D. W. Baldwin	
4-29-1946	8	W. W. Howell	Kenneth O. Earl
4-29-1946	6	W. W. Howell	L. R. Fewkes

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

Number of Transfer	Point of Diversion		Priority		Date of Transfer	Quantity In Inches
	From	To	No.	Date		
694	Consumers	Settlers	30	5-1-66	4-29-1946	7
694	Consumers	Settlers	30	5-1-66	4-29-1946	13
701	Consumers	New York	30	5-1-66	12-20-1946	100
702	Consumers	Settlers	30	5-1-66	12-20-1946	30
712	Consumers	Settlers	30	5-1-66	6-14-1947	10
"	"	"	"	"	"	10
"	"	"	"	"	"	25
713	"	New Dry Creek	30	"	6-14-1947	27
717	Siebenberg	Farmers Coop.	9	6-1-65	11-25-1947	32

ECREED RIGHTS ON BOISE RIVER

Date of Transfer	Quantity In Inches	By Whom Transferred	Remarks
4-29-1946	7	W. W. Howell	O. G. Stark
4-29-1946	13	W. W. Howell	G. W. Kyle
12-20-1946	100	W. W. Howell	Rex Jensen (Boise-Kuna Irrig. Dist.)
12-20-1946	30	W. W. Howell	Mrs. Edith Curtis
6-14-1947	10	W. W. Howell	Clyde Simpson
"	10	"	John Demond
"	25	"	Len Simpson
6-14-1947	27	"	J. B. Easbe
11-25-1947	32	R. M. Tucker	

STEWART DECREE

• Indicates rights supplied by return flow to owner.

No.	Date	Name	Acres	Value	Notes
46	6-1-69	Madison Creek Ditch Co.	37.20	1860	
47	6-1-69	T.W. Boone	3.50	175	
48	6-1-70	W.J. Hammill	2.60	130	
49	6-1-70	Pioneer Canal	25.72	1286	
50	6-1-69	Barber Lumber Co.	2.34	112	
51	6-1-70	Thomas Andrews	1.50	65	
52	6-1-71	Callin & Maco	7.86	393	
53	6-1-71	Peter Meers	1.80	90	
54	6-1-71	Middleton Hill Ditch Co.	33.70	1685	
55	6-1-72	J.F. Yargan	70	35	
56	6-1-72	J.F. Yargan	1.40	70	
57	6-1-72	Mary C. Davis	4.40	220	
58	6-1-72	Edward K. Hart	3.30	165	
59	6-1-74	T.W. Boone	2.20	110	
60	6-1-75	Pioneer Lumber Co.	10.00	500	
61	6-1-76	Edward & Mary Clark	2.30	115	
62	6-1-76	John Cecil	.44	22	
63	6-1-77	Thomas Atkins	5.20	260	
64	6-1-77	W.H. Conway	90	45	
65	6-1-77	Middleton Lumber Co.	114.08	5704	
66	7-1-77	Perennial Johnson	200.00	10000	
67	5-1-78	Kemper-Middleton	17000	8500	
68	6-1-78	John Hammill	4.20	210	
69	6-1-78	Julia Hammill	3.36	168	
70	6-1-78	Charles Allen	680	340	
71	6-1-78	R.H. Stockton	4.40	220	
72	6-1-79	Henry Creek Ditch Co.	31.32	1566	
73	6-1-79	D. Mumford	4.00	200	
74	6-1-80	Smith Stockton	1.76	88	
75	6-1-80	Robert Toplin	2.40	120	
76	10-20-80	Joseph Goble	.90	45	
77	10-29-80	Franklin Ditch Co.	27.60	1380	
78	6-1-82	Allen Webster	.90	45	
79	6-1-82	Susie Campbell	.60	30	
80	6-1-82	J.K. Barber	1.60	80	
81	6-1-82	Somora Toplin	3.40	170	
82	6-1-82	J.W. Hutchinson	.44	22	
83	6-1-82	Johnson	.44	22	
84	6-1-82	Andrew J. Toplin	2.86	143	
85	6-1-82	James L. Brown	2.20	110	
86	6-1-83	James Caplan	20.00	1000	
87	6-1-83	Francis M. Toplin	.90	45	
88	6-1-83	W.H. Black	12.00	600	
89	11-9-83	Lincoln Ditch Co. No. 2	21.70	1085	
90	6-1-84	Perennial Ditch	53.10	2655	
91	6-1-69	Madison Creek Ditch Co.	37.20	1860	
92	6-1-69	T.W. Boone	3.50	175	
93	6-1-70	W.J. Hammill	2.60	130	
94	6-1-70	Pioneer Canal	25.72	1286	
95	6-1-69	Barber Lumber Co.	2.34	112	
96	6-1-70	Thomas Andrews	1.50	65	
97	6-1-71	Callin & Maco	7.86	393	
98	6-1-71	Peter Meers	1.80	90	
99	6-1-71	Middleton Hill Ditch Co.	33.70	1685	
100	6-1-72	J.F. Yargan	70	35	
101	6-1-72	J.F. Yargan	1.40	70	
102	6-1-72	Mary C. Davis	4.40	220	
103	6-1-72	Edward K. Hart	3.30	165	
104	6-1-74	T.W. Boone	2.20	110	
105	7-1-75	Pioneer Lumber Co.	10.00	500	
106	6-1-76	Edward & Mary Clark	2.30	115	
107	5-1-76	John Cecil	.44	22	
108	5-1-77	Thomas Atkins	5.20	260	
109	5-1-77	W.H. Conway	90	45	
110	5-1-77	Middleton Lumber Co.	114.08	5704	
111	5-1-77	Perennial Johnson	200.00	10000	
112	5-1-78	Kemper-Middleton	17000	8500	
113	5-1-78	John Hammill	4.20	210	
114	5-1-78	Julia Hammill	3.36	168	
115	6-1-78	Charles Allen	680	340	
116	6-1-78	R.H. Stockton	4.40	220	
117	9-1-79	Henry Creek Ditch Co.	31.32	1566	
118	6-1-79	D. Mumford	4.00	200	
119	6-1-80	Smith Stockton	1.76	88	
120	6-1-80	Robert Toplin	2.40	120	
121	6-1-80	Joseph Goble	.90	45	
122	6-1-80	Franklin Ditch Co.	27.60	1380	
123	6-1-82	Allen Webster	.90	45	
124	6-1-82	Susie Campbell	.60	30	
125	6-1-82	J.K. Barber	1.60	80	
126	7-2-82	Somora Toplin	3.40	170	
127	5-1-82	J.W. Hutchinson	.44	22	
128	7-1-82	Johnson	.44	22	
129	7-1-82	Andrew J. Toplin	2.86	143	
130	10-1-82	James L. Brown	2.20	110	
131	3-23-80	James Caplan	20.00	1000	
132	5-17-80	Francis M. Toplin	.90	45	
133	6-1-81	W.H. Black	12.00	600	
134	10-25-81	Lincoln Ditch Co. No. 2	21.70	1085	
135	4-1-84	Perennial Ditch	53.10	2655	

No.	Date	Name	Acres	Value	Notes
106	1-64	Thomas Davis	2.0	110	
206	1-64	Jacobs Canal Co.	20.00	1000	
306	1-64	Middleton Hill Ditch	12.80	640	
406	1-64	Thomas Andrews	3.30	165	
506	1-64	Callin & Maco	2.86	143	
606	1-64	T.C. Catlin	3.30	165	
706	1-64	C.G. Havard	3.30	165	
806	1-64	Pioneer Ditch Co.	20.00	1000	
906	1-65	Seibenberg Ditch Co.	13.42	671	
1006	1-65	Allen K. Webster	1.20	60	
1106	1-65	J.F. Yargan	.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	Boise Valley Ditch	54.58	2729	
1606	1-65	Ridenbaugh & Rossi	9.20	460	
1706	1-65	Ridenbaugh & Rossi	265.80	13290	
1806	1-65	Denver & Colorado	.80	40	
1906	1-65	Martha Bowman	2.88	144	
2006	1-65	Bird Bowman	6.50	320	
2106	1-65	C.W. Gess	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	J. Parvill & R. Johnson	50.00	2500	
3106	1-66	William P. Kennedy	2.60	130	
3206	1-66	Henriette McLeonard	3.50	175	
3306	1-66	Boise City Canal Co.	38.06	1903	
3406	1-66	Franklin Ditch Co.	15.40	770	
3506	1-67	Canyon Co. Water Co.	75.80	3790	
3606	1-68	Martha E. McCaithy	14.0	705	
3706	1-68	H.D. & Dora Goodman	3.70	185	
3806	1-68	T.T. Johnson	3.20	160	
3906	1-68	Ross, Allen, Riley & Bros.	8.54	427	
4006	1-68	J.S. Gray	1.40	70	
4106	1-69	John Mannan	1.80	90	
4206	1-69	Isaac Bedel	1.60	80	
4306	1-69	Frederick Ode	3.60	180	
4406	1-69	Prior Burnett	8.50	425	
4506	1-69	Pioneer Ditch Co.	35.44	1772	

STEWART DECREE

CHART 20

No.	Date	Name	Acrt. Decreed	Inches
46	6-1-69	Mason Creek Ditch Co.	37.20	1860
47	6-1-69	T. W. Boone	3.50	175
48	6-1-70	W. J. Hamming	2.60	130
49	6-1-70	Pioneer Canal	25.72	1286
50	6-1-69	Barber Lumber Co.	2.24	112
51	6-1-70	Thomas Andrews	1.30	65
52	6-1-71	Catlin E. Mace	7.86	393
53	6-1-71	Peter Meenas	1.80	90
54	6-1-71	Middleton Mill Ditch Co.	33.70	1685
55	6-1-72	J. F. Varyan	.70	35
56	6-1-72	J. F. Varyan	1.40	70
57	6-1-72	Mary C. Daris	4.40	220
58	6-1-72	Edward N. Hart	3.30	165
59	6-1-74	J. W. Boone	2.20	110
60	6-1-75	Farmers Cooperative D. Co.	10.00	500
61	6-1-76	Edward & Mary Clark	2.30	115
62	6-1-76	John Cecil	.44	22
63	6-1-77	Thomas Aikens	5.20	260
64	6-1-77	W. H. Conway	.90	45
65	6-1-77	Middleton Water Co.	114.00	5704
66	7-1-77	Perreaults Johnson Ditch	200.00	10000
67	5-1-78	Nampa Meridian Irrig. D.	170.00	8500
68	6-1-78	John Mammari	4.20	210
69	6-1-78	Julia Mammari	3.36	168
70	6-1-78	Charles Ellen	8.80	440
71	6-1-78	R. H. Stockton	4.40	220
72	6-1-79	New Dry Creek Ditch Co.	31.32	1566
73	6-1-79	D. Mumford	4.00	200
74	6-1-80	Smith Stockton	1.76	88
75	6-1-80	Isam Taplin	2.40	120
76	10-20-80	Joseph Goble	.90	45
77	10-29-80	Franklin Ditch Co.	27.60	1380
78	6-1-82	Allen K. Webster	.90	45
79	6-1-82	Susie Campbell	.60	30
80	6-1-82	J. T. Barber	1.60	80
81	6-1-82	Sonora Taplin	3.40	170
82	6-1-82	J. W. Hutchinson	.44	22
83	6-1-82	Johnson	.44	22
84	6-1-82	Andrew J. Taplin	2.86	143
85	6-1-82	James L. Graham	2.20	110
86	6-1-83	Farmers Cooperative Ditch	20.00	1000
87	6-1-83	Francis M. Taplin	.90	45
88	6-1-83	W. H. Black	12.00	600
89	11-9-83	Eureka Ditch Co. No. 2	21.70	1085
90	6-1-84	Pioneer Irrig. District	53.10	2655

No.	Date	Name	Acrt. Decreed	Inches
91	6-1-84	Riverside Irrig. Dist.	20.00	1000
92	10-17-84	Settlers Canal Co.	99.06	4953
93	6-1-86	New Dry Creek Ditch	15.22	761
94	6-1-86	Thomas Davis	13.40	670
95	1-23-87	W. C. L. E. Young	4.00	200
96	10-1-87	American Ditch Assoc.	47.80	2390
97	6-1-88	New Dry Creek Ditch Co.	7.86	393
98	6-1-88	R. K. Linder	4.00	200
99	6-1-88	Lori Smith	1.30	65
100	6-1-88	Charlotte Calhoun	1.40	70
101	6-1-88	Ed. J. Linder	1.46	73
102	6-1-88	Lizzie Everett	1.20	60
103	6-1-88	Jessie Wilson	1.40	70
104	6-1-88	Thomas Andrews	.90	45
105	7-1-88	Farmers Coop. Ditch Co.	50.00	2500
106	8-20-88	Nampa Meridian Irrig. D.	370.94	18542
107	5-1-89	Chas. S. Miller	.06	3
108	5-1-89	Lommas L. Roseley	.02	1
109	5-1-89	S. B. J. Utter B. C. B. Taylor	2.40	120
110	5-1-89	South Boise Mutual Irrig. Co.	6.00	300
111	5-1-89	Isabel of J. H. Gallagher	2.94	147
112	5-1-89	Anna H. Fogarty	.05	2
113	5-1-89	Grace Calk	.10	5
114	5-1-89	Samuel H. Canfield	.03	1
115	6-1-89	Sonora Taplin	.06	3
116	6-1-89	Sonora Taplin	1.20	60
117	9-1-90	Pioneer Irrig. District	200.00	10000
118	6-1-91	W. H. Conway	2.20	110
119	6-1-91	Thomas Davis	.54	27
120	6-1-91	Middleton Mill Ditch Co.	17.00	850
121	6-1-91	Thomas Andrews	3.50	175
122	6-1-91	Settlers Canal Co.	73.44	3672
123	6-1-91	Thomas Aiken	.80	40
124	5-1-93	Riverside Irrig. District	80.00	4000
125	6-1-94	R. H. Stockton	1.76	88
126	7-2-94	Farmers Union Ditch Co.	110.00	5500
127	5-1-95	Charles Rein & Jane Keck	1.00	50
128	7-1-95	Matthew Casey	.66	33
129	7-1-96	Farmers Coop. Ditch Co.	83.50	4175
130	10-1-99	Riverside Irrig. District	20.00	1000
131	3-23-00	New York Canal Co.	219.10	10955
132	5-17-00	Canyon Ditch Co.	10.00	500
133	6-1-01	Riverside Irrig. District	70.00	3500
134	10-25-01	Canyon Ditch Co.	5.54	277
135	4-1-04	Pioneer Irrig. District	56.34	2817

* Indicates Rights supplied by return flow to River.

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decree
			No.	Date		Stewart Decree	Bryan Decree	
New York			131	3-23-1900	219.10			
				3-23-1900				
				12-14-1903				58.86
				6-16-1909				1354.58
		111	8	6-1-1864)	20.34			926.50
			45	6-1-1869)				
		111	96	10-1-1887	1.20			
		466	106	8-20-1888	8.90			
		701	30	5-1-1866	2.00			
Nampa & Meridian			67	5-1-1878	170.00			
			106	8-20-1888	370.84			
		392	65	6-1-1877	.40			
	152		47-A	4-1-1870		.80		
	153		127	5-1-1895	1.00			
	154		8-A	4-1-1865		.80		
		466*	106	8-20-1888	8.90*			
		595	1	6-1-1864				
Bubb (So. Boise)			107	5-1-1889	.06			
			108	5-1-1889	.02			
			109	5-1-1889	2.40			
			110	5-1-1889	6.00			
			111	5-1-1889	2.94			
			112	5-1-1889	.05			
			113	5-1-1889	.10			
			114	5-1-1889	.03			
			8-B	4-1-1865		1.80		
			29-B	4-1-1865		.50		
			51-A	1870		1.00		
			116-A	4-1-1889		.84		
				4-1-1905				5.40
Meeves			53	6-1-1871	1.80			
Rossi Mill			16	6-1-1865	9.20			
			18	6-1-1865	.80			
Manville-Leonard								
			32	6-1-1866	3.50			

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25

Transfer	Priority		Amount Decreed				Total Sec. Ft.
	No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree	Inches	
	131	3-23-1900	219.10				
		3-23-1900				10955	
		12-14-1903			58.86	2943	
		6-16-1909			1354.58	67729	
111	8	6-1-1864	20.34		926.50	46325	
	45	6-1-1869				1017	
111	96	10-1-1887	1.20				
466	106	8-20-1888	8.90			60	
701	30	5-1-1866	2.00			445	
						100	2591.48
	67	5-1-1878	170.00			8500	
	106	8-20-1888	370.84			18542	
392	65	6-1-1877	.40			20	
	47-A	4-1-1870		.80		40	
	127	5-1-1895	1.00			50	
	8-A	4-1-1865		.80		40	
466*	106	8-20-1888	8.90*			445*	
595	1	6-1-1864					
	107	5-1-1889	.06			3	
	108	5-1-1889	.02			1	
	109	5-1-1889	2.40			120	
	110	5-1-1889	6.00			300	
	111	5-1-1889	2.94			147	
	112	5-1-1889	.05			2	
	113	5-1-1889	.10			5	
	114	5-1-1889	.03			2	
	8-B	4-1-1865		1.80		90	
	29-B	4-1-1865		.50		25	
	51-A	1870		1.00		50	
	116-A	4-1-1889		.84		42	
		4-1-1905			5.40	270	21.14
	53	6-1-1871	1.80			90	1.80
	16	6-1-1865	9.20			460	
	18	6-1-1865	.80			40	10.00
	32	6-1-1866	3.50			175	3.50

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-A

Change in P. of D.	Transfer	Priority		Stewart Decree	Amount Decreed			Total Sec. Ft.
		No.	Date		Intervenors Stewart Decree	Bryan Decree	Inches	
		94	6-1-1886	13.40			670	13.40
		119	6-1-1891	.54			27	.54
		92	10-17-1884	99.06			4953	
		122	6-1-1891	73.44			3672	
	347	3	6-1-1864	.14			7	
	349	3	6-1-1864	.14			7	
	350	3	6-1-1864	.14			7	
	357	65	6-1-1877	.20			10	
	412	81	6-1-1882	.40			20	
76		85-B	4-1-1883		1.00		50	
83		85-A	6-1-1882		.72		36	
	430	65	6-1-1877	.25			12.5	
	595	1	6-1-1864				25	
	654	30	5-1-1866	.50			50	
	654	30	5-1-1866	1.00			25	
	654	30	5-1-1866	.50			8	
	694	30	5-1-1866	.16			6	
	694	30	5-1-1866	.12			7	
	694	30	5-1-1866	.14			13	
	694	30	5-1-1866	.26			30	
	702	30	5-1-1866	.60			10	
	712	30	5-1-1866	.20			10	
	712	30	5-1-1866	.20			25	
	712	30	5-1-1866	.50			67	
	720	30	5-1-1866	1.34				
		7	6-1-1864	3.30			165	
		10	6-1-1865	1.20			60	
		11	6-1-1865	.66			33	
		36	6-1-1868	14.10			705	
		37	6-1-1868	3.70			185	
		42	6-1-1869	1.60			80	
		55	6-1-1872	.70			35	
		56	6-1-1872	1.40			70	
		62	6-1-1876	.44			22	
		75	6-1-1880	2.40			120	
		76	10-20-1880	.90			45	
		78	6-1-1882	.90			45	
		79	6-1-1882	.60			30	
		81	6-1-1882	2.60			130	
		84	6-1-1882	1.50			75	
		87	6-1-1883	.90			45	
		128	7-1-1895	.66			33	
	412*	81	6-1-1882	.40*			20*	37.16

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-B

Change in P. of D.	Transfer	Priority		Amount Decreed			Inches	Total Sec. Ft.
		No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree		
46		50	6-1-1866	2.24			112	2.24
		30	5-1-1866					
	654*	30	5-1-1866	50.00			2500	
	654*	30	5-1-1866	.50*			25*	
	654*	30	5-1-1866	1.00*			50*	
	694*	30	5-1-1866	.50*			25*	
	694*	30	5-1-1866	.16*			8*	
	694*	30	5-1-1866	.12*			6*	
	694*	30	5-1-1866	.14*			7*	
	694*	30	5-1-1866	.26*			13*	
	701*	30	5-1-1866	2.00*			100*	
	702*	30	5-1-1866	.60*			30*	
	712*	30	5-1-1866	.20*			10*	
	712*	30	5-1-1866	.20*			10*	
	712*	30	5-1-1866	.50*			25*	
	713*	30	5-1-1866	.54*			27*	43.28
	720*	30	5-1-1866	1.34*			67*	41.94
		33	6-1-1866	38.06			1903	
	370*	33	6-1-1866	1.124*			56.2*	
	373*	33	6-1-1866	.374*			18.7*	36.562
		126	7-2-1894	110.00			5500	
	136	2	6-1-1864	20.00			1000	
	370	33	6-1-1866	1.124			56.2	
	373	33	6-1-1866	.374			18.7	
	374	65	6-1-1877	.40			20	
	375	65	6-1-1877	.20			10	
	384	65	6-1-1877	.40			20	
	385	65	6-1-1877	.266			13.3	
	386	65	6-1-1877	.40			20	
	387	65	6-1-1877	.40			20	
	391	3)	6-1-1864					
	391	54)	6-1-1871	.15			7.5	
	393	3	6-1-1864)					
	393	54	6-1-1871)	.288			14.4	
	393	120	6-1-1891)					
	395	65	6-1-1877	.50			25	
	430*	65	6-1-1877	.25*			12.5*	
		65	6-1-1877	.80			40	
84	512	1	6-1-1864	1.00			50	
	513	1	6-1-1864	.50			25	
	530	1	6-1-1864	.30			15	
			7-2-1894			54.46	2723	191.312

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-C

Change in P. of D. Transfer	Priority		Amount Decreed				Total Sec. Ft.
	No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree	Inches	
	15	6-1-1865	54.58			2729	54.58
	14	6-1-1865	13.76			688	13.76
	72	6-1-1879	31.32			1566	
	93	6-1-1886	15.22			761	
	97	6-1-1888	7.86			393	
	129-A	4-1-1897		.54		27	
	73-A	4-1-1880		.54		27	
	75-A	6-1-1880		.816		40.8	
	85-C	5-1-1883		.203		10.15	
	85-E	5-1-1883		.35		17.5	
	124-A	5-1-1893		.75		37.5	
300	3	6-1-1864)					
300	54	6-1-1871)	.35			17.5	
300	120	6-1-1891)					
301	3)	6-1-1864					
301	54)	6-1-1871	1.54			77	
301	120)	6-1-1891					
	102	6-1-1888	.20			10	
64	85-D	5-1-1883		.06		3	
140	124-A	5-1-1893		.135*		6.75*	
151*	103	6-1-1888	.65			32.5	
161	103	6-1-1888	.24			12	
174	30	5-1-1866	.54			27	61.044
713							
	98	6-1-1888	4.00			200	
	99	6-1-1888	1.30			65	
	100	6-1-1888	1.40			70	
	101	6-1-1888	1.46			73	
	102	6-1-1888	1.20			60	
	103	6-1-1888	1.40			70	
	123	6-1-1891	.80			40	
	66-A	4-1-1878		.80		40	
	66-C	4-1-1878		1.40		70	
	66-D	4-1-1878		.80		40	
	85-D	5-1-1883		.7506		37.53	
	136	5-1-1906		.356		17.8	
	65	6-1-1877	.60			30	
	102	6-1-1888	.20*			10*	
57	85-D	5-1-1883		.06*		3*	
64*	124-A	5-1-1893		.135		6.75	
140*	103	6-1-1888	.65*			32.5*	
151	103	6-1-1888	.24*			12*	15.25
161*							
174*							

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-D

Change in P. of D.	Transfer	Priority		Amount Decreed			Inches	Total Sec. Ft.
		No.	Date	Stewart Decree	Intervenor Stewart Decree	Bryan Decree		
36		65	6-1-1877	114.08			5704	
57*		35	6-1-1867	.38			19	
61		65	6-1-1877	.60*			30*	
84*		31-B	6-1-1866		.60		30	
126		65	6-1-1877	.80*			40*	
		31-A	6-1-1866		2.30		115	
	357*	65	6-1-1877	.20*			10*	
	374*	65	6-1-1877	.40*			20*	
	375*	65	6-1-1877	.20*			10*	
	384*	65	6-1-1877	.40*			20*	
	385*	65	6-1-1877	.266*			13.3*	
	386*	65	6-1-1877	.40*			20*	
	387*	65	6-1-1877	.40*			20*	
	392*	65	6-1-1877	.40*			20*	
	395*	65	6-1-1877	.50*			25*	112.794
		3	6-1-1864	12.80			640	
		40	6-1-1868	1.40			70	
		54	6-1-1871	33.70			1685	
		120	6-1-1891	17.00			850	
		35	6-1-1867	1.11			55.5	
54				.50*			25*	
75*				.20*			10*	
147*		35	6-1-1867					
	300*	3)	6-1-1864					
	300*	54)	6-1-1871	.35*			17.5*	
	300*	120)	6-1-1891					
	301*	3	6-1-1864)					
	301*	54	6-1-1871)	1.54*			77*	
	301*	120	6-1-1891)					
	347*	3	6-1-1864	.14*			7*	
	349*	3	6-1-1864	.14*			7*	
	350*	3	6-1-1864	.14*			7*	
	391*	3	6-1-1864)					
	391*	54	6-1-1871)	.15*			7.5*	
	393*	3)	6-1-1864					
	393*	54)	6-1-1871	.288*			14.4*	
	393*	120)	6-1-1891					62.562
		49	6-1-1870	25.72			1286	25.72
		31-C	6-1-1866		1.10		55	1.10

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors	
			No.	Date		Stewart Decree	Bryan Decree
Canyon County			35	6-1-1867	75.80		
			35-A	6-1-1867		1.76	
	29				1.00		
	36*		35	6-1-1867	.38*		
	54*		35	6-1-1867	1.11*		
	59		31	6-1-1866	2.60		
	75				.50		
	147		35	6-1-1867	.20		
Lamp Ditch			29-A	1865		6.00	
Conway & Hanning			48	6-1-1870	2.60		
			64	6-1-1877	.90		
			118	6-1-1891	2.20		
Thos. Aiken			63	6-1-1877	5.20		
Catlin & Mace			5	6-1-1864	2.86		
			52	6-1-1871	7.86		
	179*		5)	6-1-1864			
			52)	6-1-1871	.24*		
			138	6-14-1912		.40	
Mace & Mace			137	5-1-1909		1.60	
Hart & Davis			6	6-1-1864	3.30		
			57	6-1-1872	4.40		
			58	6-1-1872	3.30		
	38*				1.04*		
	39*						
Graham & Gilbert			12	6-1-1865	4.40		
Warm Springs Slough			61	6-1-1876	2.30		
			80	6-1-1882	1.60		
			82	6-1-1882	.44		
			83	6-1-1882	.44		
			84	6-1-1882	1.36		
			85	6-1-1882	2.20		
			85-A	6-1-1882		1.60	
			85-A	6-1-1882		.72*	
	83*						

#Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-E

Transfer	Priority		Amount Decreed				Total Sec. Ft.
	No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree	Inches	
	35	6-1-1867	75.80			3790	
	35-A	6-1-1867		1.76		88	
			1.00			50	
	35	6-1-1867	.38*			19*	
	35	6-1-1867	1.11*			55.5*	
	31	6-1-1866	2.60			130	
			.50			25	
	35	6-1-1867	.20			10	80.37
	29-A	1865		6.00		300	6.00
	48	6-1-1870	2.60			130	
	64	6-1-1877	.90			45	
	118	6-1-1891	2.20			110	5.70
	63	6-1-1877	5.20			260	5.20
	5	6-1-1864	2.86			143	
	52	6-1-1871	7.86			393	
	5)	6-1-1864				12	10.48
	52)	6-1-1871	.24*			20	10.88
	138	6-14-1912		.40		80	1.60
	137	5-1-1909		1.60			
	6	6-1-1864	3.30			165	
	57	6-1-1872	4.40			220	
	58	6-1-1872	3.30			165	
			1.04*			52	9.96
	12	6-1-1865	4.40			220	4.40
	61	6-1-1876	2.30			115	
	80	6-1-1882	1.60			80	
	82	6-1-1882	.44			22	
	83	6-1-1882	.44			22	
	84	6-1-1882	1.36			68	
	85	6-1-1882	2.20			110	
	85-A	6-1-1882		1.60		80	
	85-A	6-1-1882		.72*		36*	9.22

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decr
			No.	Date		Stewart Decree	Bryan Decree	
Joplin			81	6-1-1882				
			115	6-1-1889	.80			
			116	6-1-1889	.06			
					1.20			
Seven Suckers	38							
	39				1.04			
	179							
			5)	6-1-1864	.24			
Phyllis			52)	6-1-1871				
			90	6-1-1884	53.10			
			117	7-1-1890	200.00			
			135	4-1-1904	56.34			
				4-1-1905			306.56	
				4-1-1908			54.50	
Eureka No. 1								
			13	6-1-1865	33.32			
Caldwell High Line			34	6-1-1866	15.40			
			46	6-1-1869	37.20			
			77	10-29-1880	27.60			
	29*				1.00*			
Farmers Coop. Ditch			60	6-1-1875	10.00			
			86	6-1-1883	20.00			
			105	7-1-1888	50.00			
			129	7-1-1896	83.50			
				4-1-1905			154.45	
				6-1-1865	.64			
	717		9					
Canyon Ditch Co.			132	5-17-1900	10.00			
			134	10-25-1901	5.54			
			96	10-1-1887	12.10			
	38		9	6-1-1865	.50			
	105							
Siebenberg								
			9	6-1-1865	13.42			
			9	6-1-1865	.50*			
			9	6-1-1865	.64*			
	105*							
	717*							

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-F

e in f D.	Transfer	Priority		Amount Decreed			
		No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree	Total Sec. Ft.
		81	6-1-1882				
		115	6-1-1889	.80			
		116	6-1-1889	.06			
				1.20			
						40	
						3	
						60	2.06
				1.04			
		5)	6-1-1864			52	
		52)	6-1-1871	.24		12	1.28
		90	6-1-1884	53.10			
		117	9-1-1890	200.00		2655	
		135	4-1-1904	56.34		10000	
			4-1-1905			2817	
			4-1-1908		306.56	15328	
					54.50	2725	670.50
		13	6-1-1865	33.32		1666	33.32
		34	6-1-1866	15.40		770	
		46	6-1-1869	37.20		1860	
		77	10-29-1880	27.60		1380	
9*				1.00*		50*	80.20
		60	6-1-1875	10.00		500	
		86	6-1-1883	20.00		1000	
		105	7-1-1888	50.00		2500	
		129	7-1-1896	83.50		4175	
			4-1-1905		154.45	7722	
717		9	6-1-1865	.64		32	318.59
		132	5-17-1900	10.00		500	
		134	10-25-1901	5.54		277	
38		96	10-1-1887	12.10		605	
105		9	6-1-1865	.50		25	28.14
		9	6-1-1865	13.42		671	
105*		9	6-1-1865	.50*		25*	
717*		9	6-1-1865	.64*		32*	12.28

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decreed
			No.	Date		Stewart Decree	Bryan Decree	
Riverside			88	6-1-1883	12.00			
			91	6-1-1884	20.00			
			95	1-23-1887	4.00			
			124	5-1-1893	80.00			
			130	10-1-1899	20.00			
			133	6-1-1901	70.00			
			77-A	4-15-1882			3.674	
			116-A	6-1-1890			.72	
			116-B	6-1-1890			.10	
			116-C	6-1-1890			.40	
				4-1-1910				63.78
				4-1-1914				17.70
		608*	88	6-1-1883	1.00*			
		644*	88	6-1-1883	.70*			
		660*	88	6-1-1883	.60*			
	35				2.00			
	175*		88	6-1-1883	1.70*			
Pioneer Dixie			8	6-1-1864	20.00			10
			45	6-1-1869	35.44			17
		36	96	10-1-1887	2.00			1
		48	96	10-1-1887	4.20			2
		62*	96	10-1-1887	1.00*			
		111*	8)	6-1-1864				
			45)	6-1-1869	20.34*			101
		608	88	6-1-1883	1.00			
		644	88	6-1-1883	.70			
		660	88	6-1-1883	.60			
	35*				2.00*			10
	143*		96	10-1-1887	1.50*			7
Eureka No. 2			89	11-9-1883	21.70			1085
		47	96	10-1-1887	29.50			1475
		62	96	10-1-1887	1.00			50
		71	24	6-1-1865	.80			40
				6-1-1865	.50			25
	85		96	10-1-1887	1.20*			60
		111*	89	11-9-1883	.70*			35
	131*			6-1-1865	.10			5
	159		88	6-1-1883	1.70			85
	175							

*Subtract

AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Transfer	Priority		Stewart Decree	Intervenors		Inches	Total Sec. Ft.
	No.	Date		Stewart Decree	Bryan Decree		
	88	6-1-1883	12.00			600	
	91	6-1-1884	20.00			1000	
	95	1-23-1887	4.00			200	
	124	5-1-1893	80.00			4000	
	130	10-1-1899	20.00			1000	
	133	6-1-1901	70.00			3500	
	77-A	4-15-1882		3.674		183.7	
	116-A	6-1-1890		.72		36	
	116-B	6-1-1890		.10		5	
	116-C	6-1-1890		.40		20	
		4-1-1910			63.78	3189	
		4-1-1914			17.70	885	
608*	88	6-1-1883	1.00*			50*	
644*	88	6-1-1883	.70*			35*	
660*	88	6-1-1883	.60*			30*	
			2.00			100	
	88	6-1-1883	1.70*			85*	290.374
	8	6-1-1864	20.00			1000	
	45	6-1-1869	35.44			1772	
36	96	10-1-1887	2.00			100	
48	96	10-1-1887	4.20			210	
62*	96	10-1-1887	1.00*			50*	
111*	8)	6-1-1864					
	45)	6-1-1869	20.34*			1017*	
608	88	6-1-1883	1.00			50	
644	88	6-1-1883	.70			35	
660	88	6-1-1883	.60			30	
			2.00*			100*	
	96	10-1-1887	1.50*			75*	39.10
	89	11-9-1883	21.70			1085	
47	96	10-1-1887	29.50			1475	
62	96	10-1-1887	1.00			50	
71	44	6-1-1865	.80			40	
		6-1-1865	.50			25	
111*	96	10-1-1887	1.20*			60	
	89	11-9-1883	.70*			35	
		6-1-1865	.10			5	
	88	6-1-1883	1.70			85	53.40

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decreed
			No.	Date		Stewart Decree	Bryan Decree	
Upper Center Point			23	6-1-1865	3.20			
			24	6-1-1865	2.40			
			25	6-1-1865	3.94			
			26	6-1-1865	1.60			
			27	6-1-1865	1.58			
		71*	24	6-1-1865	.80*			
	85*			6-1-1865	.50*			
	148		96	10-1-1887	1.50			
	159*			6-1-1865	.10*			
Lower Center Point			19	6-1-1865	2.88			14
			20	6-1-1865	6.40			32
			21	6-1-1865	2.90			14
			22	6-1-1865	3.20			16
			38	6-1-1868	3.20			160
			43	6-1-1869	3.60			180
			73	6-1-1879	4.00			200
	50*		19	6-1-1865	2.88*			144
	51*		20	6-1-1865	6.40*			320
	131		89	11-9-1883	.70			35
Bowman & Swisher	50		19	6-1-1865	2.88			144
	51		20	6-1-1865	6.40			320
	127*		20	6-1-1865	.80*			40
Memmon			41	6-1-1869	1.80			90
			68	6-1-1878	4.20			210
			69	6-1-1878	3.36			168
			70	6-1-1878	8.80			440
			70	6-1-1878	8.80*			440*
	176*							
Haas Ditch			39	6-1-1868	8.54			427
	176		70	6-1-1878	8.80			440
Island High Line								
			71-A	4-1-1879		3.00		150
			137-A	4-1-1910		7.00		350
			139	4-1-1915		10.00		500

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-H

e in f D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decreed		Total Sec. Ft.
		No.	Date		Stewart Decree	Bryan Decree	Inches		
		23	6-1-1865	3.20					
		24	6-1-1865	2.40			160		
		25	6-1-1865	3.94			120		
		26	6-1-1865	1.60			197		
	71*	27	6-1-1865	1.58			80		
*		24	6-1-1865	.80*			79		
			6-1-1865	.50*			40*		
*		96	10-1-1887	1.50			25*		
			6-1-1865	.10*			75		
							5*		12.82
		19	6-1-1865	2.88					
		20	6-1-1865	6.40			144		
		21	6-1-1865	2.90			320		
		22	6-1-1865	3.20			145		
		38	6-1-1868	3.20			160		
		43	6-1-1869	3.60			160		
		73	6-1-1879	4.00			180		
*		19	6-1-1865	2.88*			200		
*		20	6-1-1865	6.40*			144*		
		89	11-9-1883	.70			320*		
							35		17.60
		19	6-1-1865	2.88			144		
		20	6-1-1865	6.40			320		
7*		20	6-1-1865	.80*			40		8.48
		41	6-1-1869	1.80			90		
		68	6-1-1878	4.20			210		
		69	6-1-1878	3.36			168		
		70	6-1-1878	8.80			440		
6*		70	6-1-1878	8.80*			440*		9.36
		39	6-1-1868	8.54			427		
6		70	6-1-1878	8.80			440		17.34
		71-A	4-1-1879		3.00		150		
		137-A	4-1-1910		7.00		350		
		139	4-1-1915		10.00		500		20.00

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Amount Decreed		
			No.	Date		Intervenors Stewart Decree	Bryan Decree	Inch
Larsen-Baxter-Lemp			75-A	1880				
			20	6-1-1865	.80	3.20		16 4
Boone Ditch			28	6-1-1865	7.00			
			47	6-1-1869	3.50			350
			59	6-1-1874	2.20			175
								110
Andrews Ditch			4	6-1-1864	3.30			
			29	6-1-1865	6.00			165
			44	6-1-1869	8.50			300
			51	6-1-1870	1.30			425
			104	6-1-1888	.90			65
			121	6-1-1891	3.50			45
								175
Parma Ditch			71	6-1-1878	4.40			
			74	6-1-1880	1.76			220
			125	6-1-1894	1.76			88
			77-A	6-1-1881		1.60		88
			77-B	6-1-1881		.34		80
			77-C	6-1-1881		.80		17
			77-D	6-1-1881		1.30		40
								65
O'Donnell Ditch			114-A	5-1-1889		1.60		
			114-B	5-1-1889		.80		80 40

*Subtract

BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-I

Transfer	Priority		Amount Decreed			Inches	Total Sec. Ft.
	No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree		
	75-A 20	1330 6-1-1865	.80	3.20		160 40	4.00
	28 47 59	6-1-1865 6-1-1869 6-1-1874	7.00 3.50 2.20			350 175 110	12.70
	4 29 44 51 104 121	6-1-1864 6-1-1865 6-1-1869 6-1-1870 6-1-1888 6-1-1891	3.30 6.00 8.50 1.30 .90 3.50			165 300 425 65 45 175	23.50
	71 74 125	6-1-1878 6-1-1880 6-1-1894	4.40 1.76 1.76			220 88 88	
	77-A 77-B 77-C 77-D	6-1-1881 6-1-1881 6-1-1881 6-1-1881		1.60 .34 .80 1.30		88 80 17 40 65	11.96
	114-A 114-B	5-1-1889 5-1-1889		1.60 .80		80 40	2.40

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

<u>No.</u>	<u>Name</u>	<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessa To Fill to 7</u>
1	Thomas Davis	1					
2	Jacobs Canal Co.*	1	2.20	1.65	1.32		1152.58
3	Middleton Mill Ditch Co.	1	20.00	20.00	20.00		
4	Thomas Andrews	1	12.80	9.60	7.68		1154.50
5	Catlin & Mace	3	3.30	2.47	1.98		
6	T. C. Catlin	1	2.86	2.15	1.71		1154.93
7	C. C. Havird	1	3.30	2.47	1.98		1155.43
8	Pioneer Dixie Ditch Co.	1	3.30	2.47	1.98		1155.93
8A	Adolph Bahler	2	20.00	15.00	12.00		
8B	First Nat'l. Bank of Pueblo	1	.80	.60	.48		1156.05
9	Siebenberg	1	1.80	1.35	1.08		1156.32
10	Allen V. Webster	2	13.42	10.07	8.05		
11	J. F. Yaryan	1	1.20	.90	.72		1156.50
12	Graham & Gilbert	1	.66	.49	.40		1156.60
13	Eureka Water Co.	1	4.40	3.30	2.64		1157.26
14	New Union Ditch Co.	1	33.32	24.99	19.99		1162.26
15	Boise Valley Irrigation Co.	1	13.76	10.32	8.26		1164.32
16	Ridenbaugh & Rossi	1	54.58	40.94	32.75		1172.51
17	Ridenbaugh & Rossi (Power)	1	9.20	6.90	5.52		1173.89
18	Denver & Idaho Land Co.	1	.80	.60	.48		
19	Martha Bowman	2	2.88	2.16	1.73		1174.01
20	Bird Bowman	2	6.40	4.80	3.84		
21	G. W. Gess	2	2.90	2.18	1.74		
22	Robert McGuire	2	3.20	2.40	1.92		
23	C. W. Cooper	2	3.20	2.40	1.92		
24	J. W. Rowland	2	2.40	1.80	1.44		
25	Draper & Wells	2	3.94	2.96	2.36		
26	Thomas J. Palmer	2	1.60	1.20	.96		
27	Noah W. Palmer	2	1.58	1.19	.95		
28	J. N. Tucker	3	7.00	5.25	4.20		
29	Thomas Andrews	3	6.00	4.50	3.60		
29A	Louise Siomonsen	1	6.00	4.50	3.60		
29B	S. G. Hardies & Amelia Eisley	1	.50	.38	.30		1174.91
30	J. Perrault & R. Johnson*	1	50.00	50.00	50.00		1174.99
31	William P. Kennedy	1	2.60	1.95	1.56		
31A	Wm. Musser	1	2.30	1.73	1.38		1175.38
31B	Minnie & Jerry Couzens	1	.60	.45	.36		1175.73
31C	Albert C. Bowerman	1	1.10	.83	.66		1175.82
32	Manville & Leonard	1	3.50	2.63	2.10		1175.99
33	Boise City Canal Co.	1	38.06	28.55	22.83		1176.51
34	Franklin Ditch Co.	1	15.40	11.55	9.24	22.83	1182.22
35	Canyon County Water Co.	1	75.80	56.85	45.48	32.07	1184.53
35A	Ralph T. Knight	1	1.76	1.32	1.06	77.55	1195.90
36	Martha E. McCarthy	1	14.10	10.58	8.46	78.61	1196.16
						87.07	1198.28

* These rights have been 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

<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>	<u>Flow Necessary To Fill to 100%</u>
1	2.20	1.65	1.32		1152.58	1465.17
1	20.00	20.00	20.00			
ch Co. 1	12.80	9.60	7.68		1154.50	1468.37
3	3.30	2.47	1.98			
1	2.86	2.15	1.71		1154.93	1469.09
1	3.30	2.47	1.98		1155.43	1469.92
1	3.30	2.47	1.98		1155.93	1470.75
ch Co. 2	20.00	15.00	12.00			1475.75
1	.80	.60	.48		1156.05	1475.95
of Pueblo 1	1.80	1.35	1.08		1156.32	1476.40
2	13.42	10.07	8.05			1479.76
1	1.20	.90	.72		1156.50	1480.06
1	.66	.49	.40		1156.60	1480.23
1	4.40	3.30	2.64		1157.26	1481.33
1	33.32	24.99	19.99		1162.26	1489.66
o. 1	13.76	10.32	8.26		1164.32	1493.10
gation Co. 1	54.58	40.94	32.75		1172.51	1506.75
i 1	9.20	6.90	5.52		1173.89	1509.05
i (Power) 1						
and Co. 1	.80	.60	.48		1174.01	1509.25
2	2.88	2.16	1.73			1509.97
2	6.40	4.80	3.84			1511.57
2	2.90	2.18	1.74			1512.30
2	3.20	2.40	1.92			1513.10
2	3.20	2.40	1.92			1513.90
2	2.40	1.80	1.44			1514.50
2	3.94	2.96	2.36			1515.48
2	1.60	1.20	.96			1515.88
2	1.58	1.19	.95			1516.27
3	7.00	5.25	4.20			
3	6.00	4.50	3.60			
1	6.00	4.50	3.60		1174.91	1517.77
Amelia Eisley 1	.50	.38	.30		1174.99	1517.90
Johnson* 1	50.00	50.00	50.00			
dy 1	2.60	1.95	1.56		1175.38	1518.55
1	2.30	1.73	1.38		1175.73	1519.13
1	.60	.45	.36		1175.82	1519.28
ouzens 1	1.10	.83	.66		1175.99	1519.56
an 1	3.50	2.63	2.10		1176.51	1520.44
rd 1	38.06	28.55	22.83	22.83	1182.22	1529.96
Co. 1	15.40	11.55	9.24	32.07	1184.53	1533.81
o. 1	75.80	56.85	45.48	77.55	1195.90	1552.76
ter Co. 1	1.76	1.32	1.06	78.61	1196.16	1553.20
1	14.10	10.58	8.46	87.07	1198.28	1556.73
hy 1						

en 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

<u>No.</u>	<u>Name</u>	<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>	<u>T</u>
37	H. D. & Dora Goodman	1	3.70					
38	T. T. Johnson	2	3.20	2.78	2.22			
39	Ross, Allen, Dilley & Ross	3	8.54	2.40	1.92		1198.84	
40	S. S. Gray	1	1.40	6.41	5.12			
41	John Mammon	3	1.80	1.05	.84	90.13	1199.05	
42	Isaac Bedal	1	1.60	1.35	1.08			
43	Frederich Ode	2	3.60	1.20	.96	91.09	1199.29	
44	Prior Burnett	3	8.50	2.70	2.16			
45	Pioneer Dixie Ditch Co.	2	35.44	6.38	5.10			
46	Mason Creek Ditch Co.	1	37.20	26.58	21.26			
47	T. W. Boone	3	3.50	27.90	22.32	113.41	1204.87	
47A	Adolph Bahler	1	.80	2.63	2.10			
48	W. J. Hamming	1	2.60	.60	.48	113.89	1204.99	
49	Pioneer Canal	1	25.72	1.95	1.56	115.45	1205.38	
50	Barber Lumber Co.	1	2.24	19.29	15.43	130.88	1209.24	
51	Thomas Andrews	3	1.30	1.68	1.34	132.22	1209.58	
51A	S. G. Hardies & Amelia Eisley	1	1.00	.98	.78			
52	Catlin & Mace	1	7.86	.75	.60	132.82	1209.73	
53	Peter Meeves	1	1.80	5.90	4.72	137.54	1210.91	
54	Middleton Mill Ditch Co.	1	33.70	1.35	1.08	138.62	1211.18	
55	J. F. Yaryan	1	.70	25.28	20.22	158.84	1216.24	
56	J. F. Yaryan	1	1.40	.53	.42	159.26	1216.35	
57	Mary C. Davis	1	4.40	1.05	.84	160.10	1216.56	
58	Edward N. Hart	1	3.30	3.30	2.64	162.74	1217.22	
59	T. W. Boone	3	2.20	2.47	1.98	164.72	1217.72	
60	Farmer's Coop. Ditch Co.	2	10.00	1.65	1.32			
61	Edward & Mary Clark	1	2.30	7.50	6.00			
62	John Cecil	1	.44	1.73	1.38	166.10	1218.07	
63	Thomas Aiken	1	5.20	.33	.26	166.36	1218.14	
64	W. H. Conway	1	.90	3.90	3.12	169.48	1218.92	
65	Middleton Water Co.	1	114.08	.68	.54	170.02	1219.06	
66	Perrault & Johnson (Power)	1		85.56	68.45	238.47	1236.17	
66A	J. S. Kraus	1	.80		.48	238.95	1236.29	
66B	H. E. Plain	1	.80	.60	.48	239.43	1236.41	
66C	J. W. Kolander	1	1.40	1.05	.84	240.27	1236.62	
66D	M. T. Griffith	1	.80	.60	.48	240.75	1236.74	
67	Nampa-Meridian Irrig. Dist.	1	170.00	127.50	102.00	342.75	1262.24	
68	John Mammon	3	4.20	3.15	2.52			
69	Julia Mammon	3	3.36	2.52	2.02			
70	Charles Allen	3	8.80	6.60	5.28			
71	R. H. Stockton	3	4.40	3.30	2.64			
71A	Island Highline Ditch Co.	3	3.90	2.25	1.80			
72	New Dry Creek Ditch Co.	1	31.32	23.49	18.79	361.54	1266.94	
73	D. Mumford	2	4.00	3.00	2.40			

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

River Section	100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	Flow Necessary To Fill to 75%	Flow Necessary To Fill to 100%
1	3.70	2.78	2.22			
2	3.20	2.40	1.92		1198.84	1557.66
3	8.54	6.41	5.12			1558.46
1	1.40	1.05	.84	90.13	1199.05	1558.81
3	1.80	1.35	1.08			
1	1.60	1.20	.96	91.09	1199.29	1559.21
2	3.60	2.70	2.16			1560.11
3	8.50	6.38	5.10			
2	35.44	26.58	21.26			1568.97
1	37.20	27.90	22.32	113.41	1204.87	1578.27
3	3.50	2.63	2.10			
1	.80	.60	.48	113.89	1204.99	1578.47
1	2.60	1.95	1.56	115.45	1205.38	1579.12
1	25.72	19.29	15.43	130.88	1209.24	1585.55
1	2.24	1.68	1.34	132.22	1209.58	1586.11
3	1.30	.98	.78			
Eisley 1	1.00	.75	.60	132.82	1209.73	1586.36
1	7.86	5.90	4.72	137.54	1210.91	1588.33
1	1.80	1.35	1.08	138.62	1211.18	1588.78
o. 1	33.70	25.28	20.22	158.84	1216.24	1597.21
1	.70	.53	.42	159.26	1216.35	1597.39
1	1.40	1.05	.84	160.10	1216.56	1597.74
1	4.40	3.30	2.64	162.74	1217.22	1598.84
1	3.30	2.47	1.98	164.72	1217.72	1599.67
3	2.20	1.65	1.32			
o. 2	10.00	7.50	6.00			1602.17
1	2.30	1.73	1.38	166.10	1218.07	1602.74
1	.44	.33	.26	166.36	1218.14	1602.86
1	5.20	3.90	3.12	169.48	1218.92	1604.16
1	.90	.68	.54	170.02	1219.06	1604.39
1	114.08	85.56	68.45	238.47	1236.17	1632.91
wer) 1						
1	.80	.60	.48	238.95	1236.29	1633.11
1	.80	.60	.48	239.43	1236.41	1633.31
1	1.40	1.05	.84	240.27	1236.62	1633.66
1	.80	.60	.48	240.75	1236.74	1633.86
Dist. 1	170.00	127.50	102.00	342.75	1262.24	1676.36
3	4.20	3.15	2.52			
3	3.36	2.52	2.02			
3	8.80	6.60	5.28			
3	4.40	3.30	2.64			
Co. 3	3.90	2.25	1.80			
1	31.32	23.49	18.79	361.54	1266.94	1684.19
2	4.00	3.00	2.40			1685.19

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

<u>No.</u>	<u>Name</u>	<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>
73A	Goble & Songer	1					
74	Smith Stockton	3	.54	.41	.32	361.86	1267.02
75	Isham Joplin	1	1.76	1.32	1.06		
75A	C. B. Frank	1	2.40	1.80	1.44	363.30	1267.38
75A	Albert Lemp et al	1	.816	.61	.49	363.79	1267.50
76	Joseph Goble	3	3.20	2.40	1.92		
77	Franklin Ditch Co.	1	.90	.68	.54	364.33	1267.64
77A	Gus A. Barth	1	22.60	20.75	16.56	380.89	1271.78
77B	Charles Jurries	3	1.60	1.20	.96		
77C	James Finlay	3	.34	.26	.20		
77D	Lester J. Shippy	3	.80	.60	.48		
77E	Roc Helms	3	1.30	.98	.78		
78	Allen V. Webster	2	3.674	2.76	2.20		
79	Susie Campbell	1	.90	.68	.54	381.43	1271.92
80	J. T. Barber	1	.60	.45	.36	381.79	1272.01
81	Sonora Joplin	1	1.60	1.20	.96	382.75	1272.25
82	S. W. Hutchinson	1	3.40	2.55	2.04	384.79	1272.76
83	Johnson	1	.44	.33	.26	385.05	1272.83
84	Andrew J. Joplin	1	.44	.33	.26	385.31	1272.90
85	James L. Graham	1	2.86	2.15	1.72	387.03	1273.33
85A	Leo Marsters	1	2.20	1.65	1.32	388.35	1273.66
85B	Jacob Bingham	1	1.60	1.20	.96	389.31	1273.90
85C	Wm. Huckba	1	1.00	.75	.60	389.91	1274.05
85D	C. H. Schmeltzer	1	.203	.15	.12	390.03	1274.08
85E	C. W. McClurg	1	.7506	.56	.45	390.48	1274.19
86	Farmers Coop. Ditch	1	.35	.26	.21	390.69	1274.24
87	Francis M. Joplin	2	20.00	15.00	12.00		
88	W. A. Black	1	.90	.68	.54	391.23	1274.40
89	Eureka Ditch Co. No. 2	2	12.00	9.00	7.20		
90	Pioneer Irrigation Dist.	2	21.70	16.28	13.02		
91	Riverside Irrig. Dist.	1	53.10	39.83	31.86	423.09	1282.35
92	Settlers Canal Co.	2	20.00	15.00	12.00		
93	New Dry Creek Co.	1	99.06	74.30	59.44	482.53	1297.21
94	Thomas Davis	1	15.22	11.42	9.13	491.66	1299.49
95	Wm. E., L. & E. Young	1	13.40	10.05	8.04	499.70	1301.50
96	American Ditch Assoc.	2	4.00	3.00	2.40		
97	New Dry Creek Ditch	2	47.80	35.85	28.68		
98	A. V. Linder	1	7.86	5.90	4.72	504.42	1302.68
99	Levi Smith	1	4.00	3.00	2.40	506.82	1303.28
100	Charlotte Calhoun	1	1.30	.98	.78	507.60	1303.48
101	Ed J. Linder	1	1.40	1.05	.84	508.44	1303.69
102	Lizzie Everett	1	1.46	1.10	.88	509.32	1303.91
103	Jessie Wilson	1	1.20	.90	.72	510.04	1304.09
104	Thomas Andrews	1	1.40	1.05	.84	510.88	1304.30
		3	.90	.68	.54		

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

<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>	<u>Flow Necessary To Fill to 100%</u>
1	.54	.41	.32			
3	1.76	1.32	1.06	361.86	1267.02	1685.33
1	2.40	1.80	1.44			
1	.816	.61	.49	363.30	1267.38	1685.93
3	3.20	2.40	1.92	363.79	1267.50	1686.13
1	.90	.68	.54			
1	277.60	20.75	16.56	364.33	1267.64	1686.36
3	1.60	1.20	.96	380.89	1271.78	1693.26
3	.34	.26	.20			
3	.80	.60	.48			
3	1.30	.98	.78			
2	3.674	2.76	2.20			
1	.90	.68	.54	381.43	1271.92	1694.18
1	.60	.45	.36	381.79	1272.01	1694.41
1	1.60	1.20	.96	382.75	1272.25	1694.56
1	3.40	2.55	2.04	384.79	1272.76	1694.96
1	.44	.33	.26	385.05	1272.83	1695.81
1	.44	.33	.26	385.31	1272.90	1695.92
1	2.86	2.15	1.72	387.03	1273.33	1696.03
1	2.20	1.65	1.32	388.35	1273.66	1696.75
1	1.60	1.20	.96	389.31	1273.90	1697.30
1	1.00	.75	.60	389.91	1274.05	1697.70
1	.203	.15	.12	390.03	1274.08	1697.95
1	.7506	.56	.45	390.48	1274.19	1698.00
1	.35	.26	.21	390.69	1274.24	1698.19
2	20.00	15.00	12.00			1698.28
1	.90	.68	.54	391.23	1274.40	1703.28
2	12.00	9.00	7.20			1703.51
2	21.70	16.28	13.02			1706.51
1	53.10	39.83	31.86	423.09	1282.35	1711.94
2	20.00	15.00	12.00			1725.22
1	99.06	74.30	59.44	482.53	1297.21	1730.22
1	15.22	11.42	9.13	491.66	1299.49	1754.99
1	13.40	10.05	8.04	499.70	1301.50	1758.80
2	4.00	3.00	2.40			1761.15
2	47.80	35.85	28.68			1763.15
1	7.86	5.90	4.72	504.42	1302.68	1775.10
1	4.00	3.00	2.40	506.82	1303.28	1777.07
1	1.30	.98	.78	507.60	1303.48	1778.07
1	1.40	1.05	.84	508.44	1303.69	1778.40
1	1.46	1.10	.88	509.32	1303.91	1778.75
1	1.20	.90	.72	510.04	1304.09	1779.12
1	1.40	1.05	.84	510.88	1304.30	1779.42
3	.90	.68	.54			1779.77

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

<u>No.</u>	<u>Name</u>	<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necess To Fill to</u>
105	Farmers Coop. Ditch	2					
106	Nampa-Meridian Irr. Dist.	1	50.00	37.50	30.00		
107	Charles S. Miller	1	370.84	278.13	222.50	733.38	1359.9
108	Lammis L. Hosley	1	.06	.05	.04	733.42	1359.9
109	S. J. Utter, & C. B. Taylor	1	.02	.015	.01	733.43	1359.9
110	South Boise Mutual Irr. Co.	1	2.40	1.80	1.44	734.87	1360.2
111	Estate of J. H. Gallagher	1	6.00	4.50	3.60	738.47	1361.19
112	Anna H. Fogarty	1	2.94	2.21	1.76	740.23	1361.63
113	Grace Call	1	.05	.04	.03	740.26	1361.63
114	Samuel H. Canfield	1	.10	.08	.06	740.32	1361.64
114A	Neil & Patrick O'Donnell	3	.03	.02	.02	740.34	1361.64
114B	Gus A. Barth	3	1.60	1.20	.96		
115	Sonora Joplin	1	.80	.60	.48		
116	Sonora Joplin	1	.06	.05	.04	740.38	1361.64
116A	S. G. Hardies & Amelia Eisley	1	1.20	.90	.72	741.10	1361.82
116A	Anna Spencer	2	.84	.63	.50	741.60	1361.95
116B	Willis Spencer	2	.72	.54	.43		
116C	Rebecca Bell	2	.10	.08	.06		
117	Pioneer Irr. Dist.	1	.40	.30	.24		
118	W. H. Conway	1	200.00	150.00	120.00	861.60	1391.97
119	Thomas Davis	1	2.20	1.65	1.32	862.92	1392.28
120	Middleton Mill Ditch	1	.54	.41	.32	863.24	1392.36
121	Thomas Andrews	3	17.00	12.75	10.20	873.44	1394.91
122	Settlers Canal Co.	1	3.50	2.63	2.10		
123	Thomas Aiken	1	73.44	55.08	44.06	917.50	1405.93
124	Riverside Irr. Dist.	2	.80	.60	.48	917.98	1406.05
124A	W. D. Charters	1	80.00	60.00	48.00		
125	R. H. Stockton	3	1.00	.75	.60	918.58	1406.20
126	Farmers Union Ditch	1	1.76	1.32	1.06		
127	Charles Rein & James Keogh	1	110.00	82.50	66.00	984.58	1422.70
128	Mathew Casey	1	1.00	.75	.60	985.18	1422.85
129	Farmers Coop. Ditch	2	.66	.50	.40	985.58	1422.95
130	Riverside Irr. Dist.	2	83.50	62.63	50.10		
131	New York Canal Co.	1	20.00	15.00	12.00		
132	Canyon Ditch Co.	2	219.10	164.33	131.46	1117.04	1455.82
133	Riverside Irrig. Dist.	2	10.00	7.50	6.00		
134	Canyon Ditch Co.	2	70.00	52.50	42.00		
135	Pioneer Irr. Dist.	1	5.54	4.16	3.32		
136	H. E. Wimer	1	56.34	42.26	33.80	1150.84	1464.27
137	B. P. Weaverling	1	.356	.27	.21	1151.05	1464.32
137A	Island Highline Ditch Co.	3	1.60	1.20	.96	1152.01	1464.56
138	Wesley A. Mace	1	7.00	5.25	4.20		
139	Island Highline Ditch Co.	3	.40	.30	.24	1152.25	1464.62
			10.00	7.50	6.00		

(See Notes in front of report for further explanations)

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

River Section	100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	Flow Necessary To Fill to 75%	Flow Necessary To Fill to 100%
Dist. 2	50.00	37.50	30.00			
1	370.84	278.13	222.50			1797.27
1	.06	.05	.04	733.38	1359.93	1884.98
1	.02	.015	.01	733.42	1359.93	1885.00
Taylor 1	2.40	1.80	1.44	733.43	1359.93	1885.00
rr. Co. 1	6.00	4.50	3.60	734.87	1360.29	1885.60
agher 1	2.94	2.21	1.76	738.47	1361.19	1887.10
1	.05	.04	.03	740.23	1361.63	1887.84
1	.10	.08	.06	740.26	1361.63	1887.85
1	.03	.02	.02	740.32	1361.64	1887.88
nell 3	1.60	1.20	.96	740.34	1361.64	1887.88
3	.80	.60	.48			
1	.06	.05	.04	740.38	1361.64	1887.90
ia Easley 1	1.20	.90	.72	741.10	1361.82	1888.20
2	.84	.63	.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	17.00	12.75	10.20	873.44	1394.91	1943.66
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			1982.22
1	1.00	.75	.60	918.58	1406.20	1982.47
3	1.76	1.32	1.06			
1	110.00	82.50	66.00	984.58	1422.70	2009.97
a Keogh 1	1.00	.75	.60	985.18	1422.85	2010.22
1	.66	.50	.40	985.58	1422.95	2010.39
2	83.50	62.63	50.10			2031.27
2	20.00	15.00	12.00			2036.27
1	219.10	164.33	131.46	1117.04	1455.82	2091.05
2	10.00	7.50	6.00			2093.55
st, 2	70.00	52.50	42.00			2111.05
2	5.54	4.16	3.32			2112.44
1	56.34	42.26	33.80	1150.84	1464.27	2126.53
1	.356	.27	.21	1151.05	1464.32	2126.62
1	1.60	1.20	.96	1152.01	1464.56	2127.02
ch Co. 3	7.00	5.25	4.20			
1	.40	.30	.24	1152.25	1464.62	2127.12
ch Co. 3	10.00	7.50	6.00			

(See page 2 for further explanations)

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

<u>Priority Date</u>	<u>Name</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>
7-2-94	Farmers Union	54.46	40.85	32.68	2159.80	3922.75
3-23-00	New York Irrigation Dist.) Boise Kuna Irrig. Dist.)	58.86	44.15	35.32	2195.12	3931.58
12-14-03	United States of America	1354.58	1015.94	812.75	3007.87	4134.77
4-1-05	Pioneer Irrigation Dist.	306.56	229.92	183.94	3191.81	4180.75
4-1-05	Farmers Cooperative Ditch Co.	154.45	115.84	92.67	3284.48	4203.92
4-1-05	South Boise Mutual Ditch Co.	5.40	4.05	3.24	3287.72	4204.73
4-1-08	Pioneer Irrigation Dist.	54.50	40.88	32.70	3320.42	4212.91
6-1-09	United States of America	926.50	694.88	555.90	3876.32	4351.89
4-1-10	Riverside Irrigation Dist.	63.78	47.84	38.27	3914.59	4361.46
1-13-11*	United States of America (Arrowrock Storage)	8000.00				
4-1-14	Riverside Irrigation Dist.	17.70				

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

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

	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>	<u>Flow Necessary To Fill to 100%</u>
	54.46	40.85	32.68	2159.80	3922.75	4375.08
ion Dist.) g. Dist.)	58.86	44.15	35.32	2195.12	3931.58	4389.80
f America	1354.58	1015.94	812.75	3007.87	4134.77	4728.45
ion Dist.	306.56	229.92	183.94	3191.81	4180.75	4805.09
tive Ditch Co.	154.45	115.84	92.67	3284.48	4203.92	4843.70
ual Ditch Co.	5.40	4.05	3.24	3287.72	4204.73	4845.05
ion Dist.	54.50	40.88	32.70	3320.42	4212.91	4858.68
f America	926.50	694.88	555.90	3876.32	4351.89	5090.31
gation Dist.	63.78	47.84	38.27	3914.59	4361.46	5106.26
f America (Storage)	8000.00					13106.26
gation Dist.	17.70					13123.96

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



