

**WATER DISTRIBUTION OF BOISE RIVER
DISTRICT No. 12-A
1946**

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1946

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

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

BY

WM. E. WELSH

WATERMASTER, BOISE RIVER

C H A R T S

1946

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 and 2-M show the same information for the period from 1941 to 1946 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 1945-46 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 1946.
6. Summary table in acre feet showing monthly and total canal diversions for the irrigation season of 1946.
7. Summary table showing total annual diversions for all Boise Valley canals beginning 1916.
8. 8-A and 8-B, daily discharge of all principal tributary streams feeding water to Boise River below More's Creek for irrigation season of 1946.
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 1946.
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 1946.
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 1946.
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 1946.
14. Table showing acre feet per acre diverted by 18 canals from Boise River for each irrigation season beginning 1916.

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. 15-A shows this information for 1945 and 1946.
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 1946.
18. Two tables showing total discharge of all drainage canals in Drainage Districts Nos. 3 and 4 for the irrigation season of 1946.
19. Summary table of return flow to Boise River between the Government Diversion Dam and Notus beginning 1914.
20. 20A and 20-B, revised area and capacity table for Arrowrock Reservoir.
21. Table showing additional decrees on Boise River (Intervenors in the Stewart Decree), giving priority number, date and amount decreed.
22. Table showing change in point of diversion of decreed rights on Boise River.
23. 23-A, tables showing transfer 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 and 25-D are tables of the Stewart Decree 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 1946 was the same that it has been for several years past. It includes a Chairman and Secretary, a Watermaster, one Assistant for a few months during the summer, and a part-time Stenographer.

Following a precedent established more than 20 years ago, an Advisory Committee was elected at the annual meeting in March. This Committee includes the Chairman and Secretary of the organization and is made up of representatives selected from various sections of the valley. For a number of years the Committee has been meeting regularly at 10:00 A.M. on the date of the annual meeting, in the Watermaster's office, to prepare a budget and other items of business to be presented to the annual meeting in the afternoon. Other meetings are held throughout the year, on the call of the Chairman, for the purpose of considering problems which may affect the water users. During the past year special consideration was given to the question of granting of mineral leases on the bed of the Boise River.

The Advisory Committee for 1946 was as follows:

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

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 acknowledged.

DECREES

Stewart Decree:

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

"The various rights, as adjudicated in the so-called 'Stewart Decree', shall receive 100 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 Boise River for the irrigation year ending September 30, 1946, was approximately 1,000,000 acre feet more than is required to successfully irrigate the entire Boise Valley. The run-off was 2,449,922 acre feet. The highest daily flow for the year occurred on April 20th, when the flow reached 18,660 second feet. The lowest flow of the year occurred on September 15th, when the flow was 654 second feet. The natural flow of the river reached the point where it was necessary to begin regulations on June 25th, when the flow was 4,566 second feet. Operations were continued from that date throughout the remainder of the irrigation season.

Again last year the heavy demand for late season water, caused by the growing of large acreages of row crops, especially in Canyon County, was quite noticeable. As stated in previous reports, the demand for late season water is much heavier than it was a few years ago.

Charts 2 to 2-K inclusive show the daily natural flow of the Boise River from 1895 to 1940 inclusive. Charts 2-L and 2-M show the daily natural flow of the Boise River from 1941 to 1946 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 25th.

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 1946.

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 for 1939 to 1946 inclusive.

TRIBUTARY GAIN

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

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

NET GAIN

Chart 9 shows the total flow of the Boise River passing Diversion Dam, canal deliveries, and gain to the river by months in acre feet, and also average daily flow for each month during the season of 1946.

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. 1946 was no exception to this rule.

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 be-

tween 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 240 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 613 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 time in which records have been kept of the distribution of the waters of the Boise River, beginning in 1914, there has been only one year—1931—during which it was necessary to regulate diversions from this section of the river.

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. Like-

wise, 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 de-

cision 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 irrigated 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 eighteen canals from the Boise River for each irrigation season beginning 1916.

Charts 15 and 15-A are summary tables for the years beginning 1916, showing the total acre feet diverted, acre feet per acre, rate in miner's

inches per acre, and per cent per month.

Chart 16 shows the average headgate duty of water for eighteen 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 1946 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 approximately 2,500 acres and is situated south of the Boise River and opposite the town of Eagle. This district has only one outlet to the Boise River.

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

ADDITIONAL DECREES OR INTERVENORS

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

CHANGE IN POINT OF DIVERSION

Chart No. 22 is a table showing the change in the point of diversion of the 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, 25-B, 25-C and 25-D, 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 should always be recognized as being of paramount importance to the water users of Boise Valley. It is hoped that they will continue to cooperate and work with various state and federal agencies very closely and give them their full support towards the

proper protection and management of this resource.

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 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. Last year there was approximately 80,000 acre feet of water stored in Anderson Ranch Reservoir, and during the 1947 season it is expected that there will be approximately 140,000 acre feet available for irrigation from this source.

FLOOD CONTROL

There has been some progress towards the solution of flood control problems on the Boise River during the past year. A few more emergency levee repair jobs along the river were completed. The total now expended by the Army Engineers since the 1943 flood for this purpose, to date, has amounted to approximately \$457,500.

Lucky Peak Dam, proposed by the Army Engineers as a flood control project, on the Boise River about 11 miles above the town of Boise, has been authorized by the Congress. The next objective towards this project is to obtain funds for "advanced planning", or the preparation of the plans and specifications, which it is hoped will be obtained during this 80th Session of the Congress. Such a reservoir as the proposed Lucky Peak will go a long ways towards eliminating the flood hazards on the Boise River. This proposed dam and reservoir will store a gross of 306,000 acre feet and a net of 280,000 acre feet.

COST REPORT - 1946

Watermaster Salary	\$ 3,609.70	
Assistant Watermaster salary	602.16	
Car Mileage.	1,112.42	
Miscellaneous.	714.56	
Telephone.	203.39	
Gage Readings.	20.00	
Stenographic Services.	927.30	
Insurance.	88.38	
Withholding Tax.	<u>591.34</u>	
Sub-total.		\$ 7,869.25

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

Gage Readers, Dowling.	\$ 180.00	
More's Creek	120.00	
Telephone Service to Upper River	270.00	
Assistance in Current Meter Work.	235.00	
Office Work, compiling records of natural flow, etc.	<u>225.00</u>	
Total value of services as fixed by Committee		\$ 1,030.00
TOTAL COSTS TO WATER DISTRICT 12-A FOR THE IRRIGATION SEASON OF 1946.		\$ 8,899.25

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 watershed protection is of vital importance to the water users of the Boise Valley.
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 more than 25 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 approximately two-thirds of the entire Boise Valley is badly in need of supplemental water.

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

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

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

18. That Lucky Peak Dam and Reservoir, as recommended by the Army Engineers, will go a long way towards solving the flood problems of the Boise Valley.

D FEET, SHOWI

T. 6 N.

R. 6 W.

R. 5 W.

T. 6 N.

R. 4 W.



PARMA

OREGON SHORT LINE R.R.

STOCTON ANDREWS SLOUGH

ANDREWS CANAL

HAAS

BOISE RIVER

RIVERSIDE

CANAL

LOWER DIXIE SL.

BOUNDARY LINE
OREGON
IDAHO

FARMERS

Sand Hollow

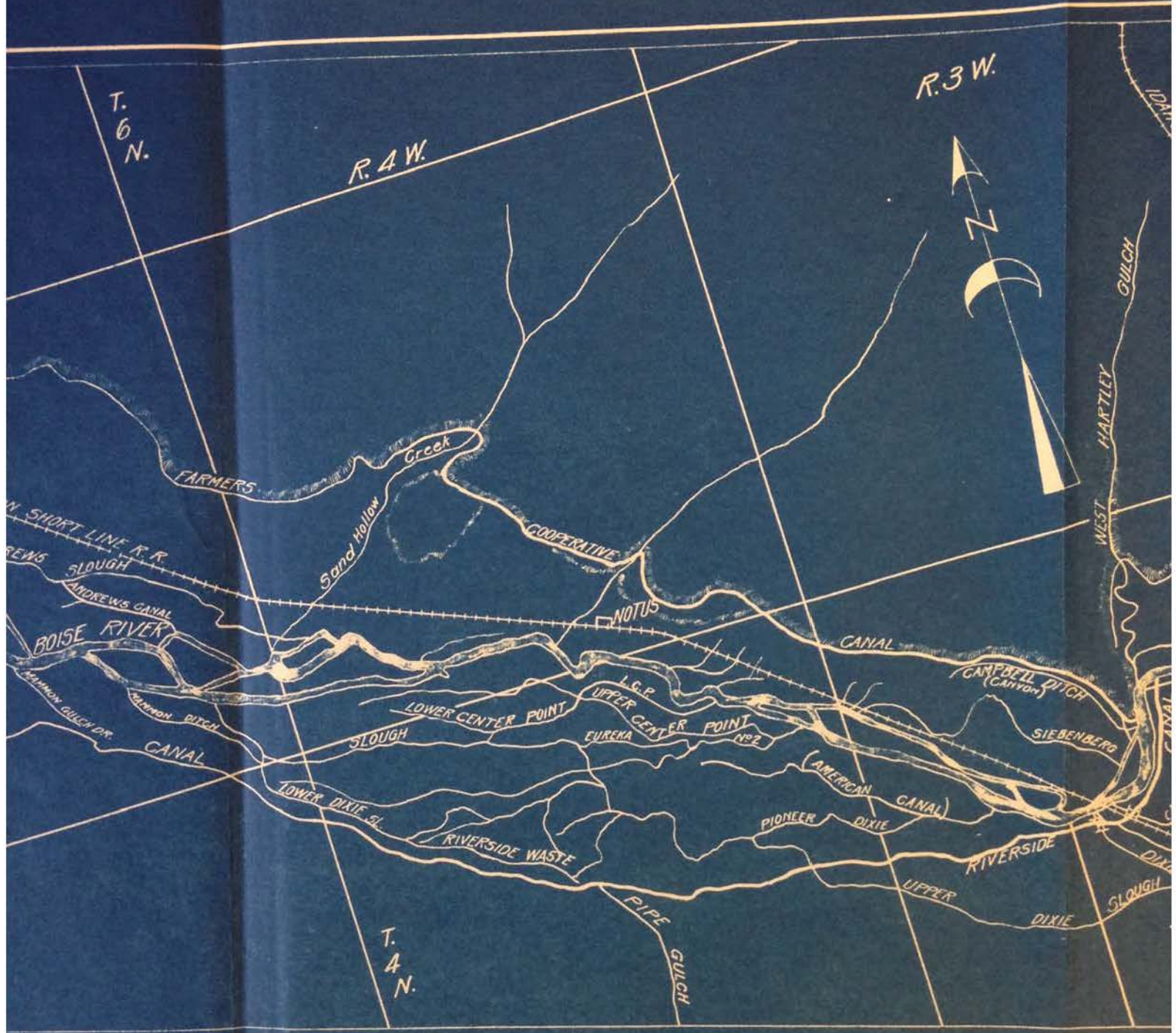
LOWER

T. 4 N.

T. 6 N.

1325	1258	1358	1255	33,746
786	1058	848	823	26,118
670	711	808	843	26,929

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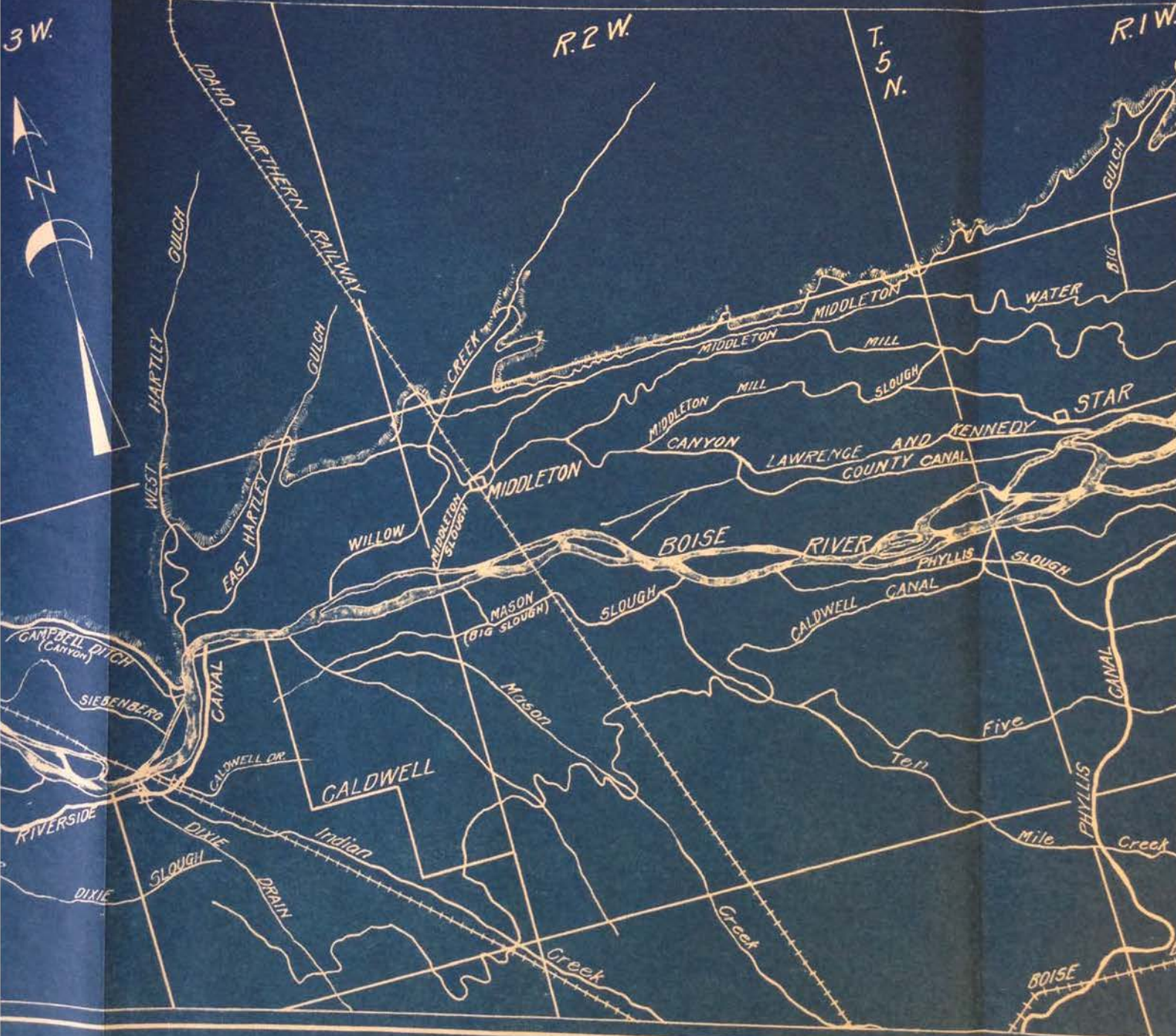
33,746
 26,118
 26,929

3 W.

R. 2 W.

T. 5 N.

R. 1 W.



IDAHO NORTHERN RAILWAY

WEST HARTLEY GULCH

EAST HARTLEY GULCH

CREEK

MIDDLETON

MIDDLETON MILL

MIDDLETON CANYON

LAWRENCE AND KENNEDY COUNTY CANAL

STAR

WATER

WILLOW

MIDDLETON SLOUGH

BOISE RIVER

MASON (BIG SLOUGH)

MASON

SLOUGH

CALDWELL CANAL

PHYLLIS SLOUGH

CAMPBELL DITCH (CANYON)

SIEBENBERG

CANAL

CALDWELL CR.

RIVERSIDE

DIXIE SLOUGH

INDIAN DRAIN

Five Mile

PHYLLIS CANAL

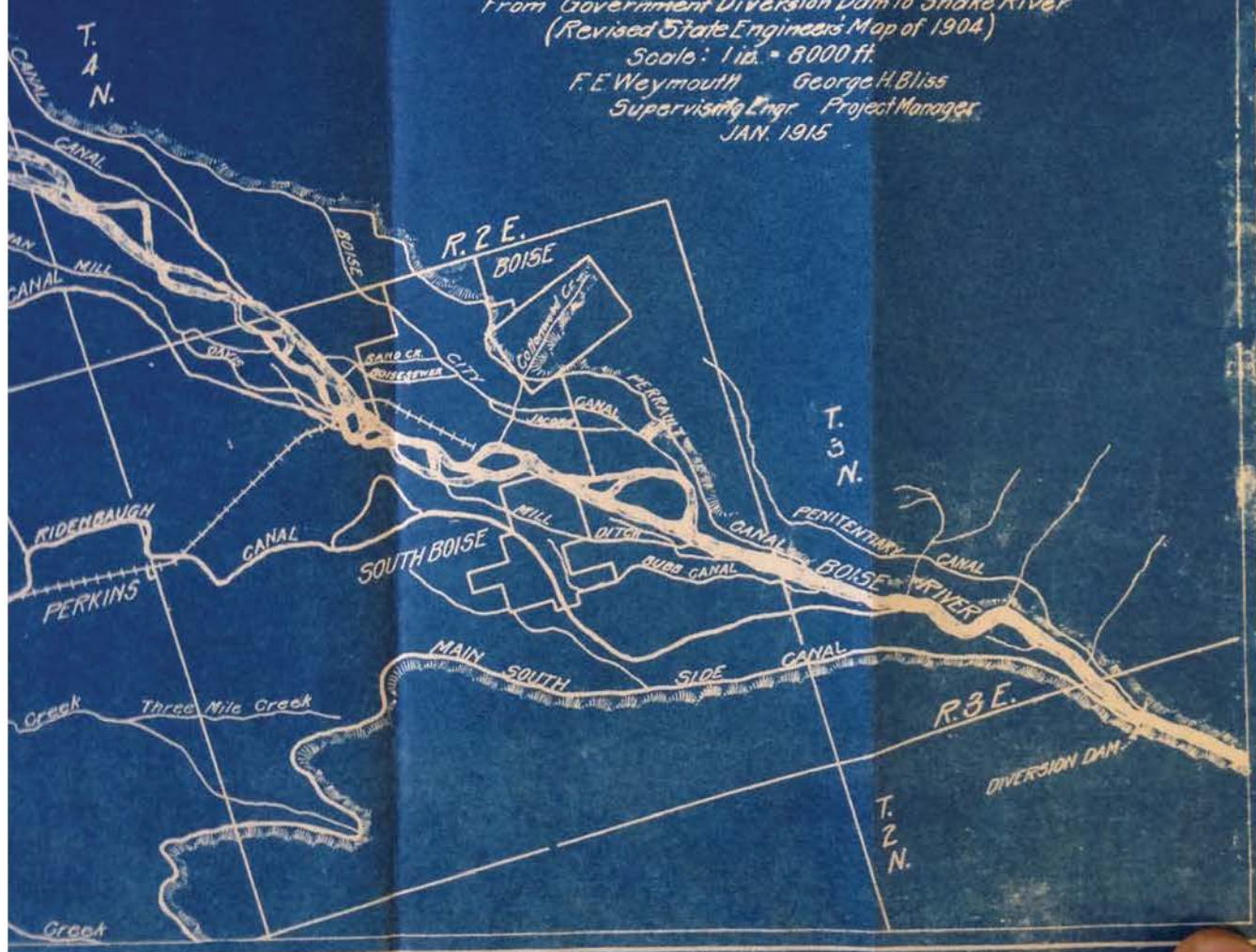
PHYLLIS CREEK

BOISE

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



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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
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 JAN. 1915



13869

13869

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	1008
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	569	605	555	535	620	680	740	659	669	674	684	727
1920	883	863	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	1423	1419	1298
1929	739	690	945	917	692	567	560	721	690	726	811	793
1930	938	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	804	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

	12	13	14	15	16	17	18	19	20	21	22	23
0	1330	1510	1650	1490	1450	1430	1370	1330	1280	1240	1220	1240
0	1070	950	720	720	620	1010	1280	1350	1430	1870	1870	1870
0	830	720	620	620	620	570	570	570	720	830	830	950
		550				550			550			
80	2780	2780	2780	2980	2980	2980	2980	2980	2980	2980	2980	2780
70	1910	1910	2480	4120	3910	3520	2810	2330	2260	2180	2040	2040
70	1270	1270	1350	1430	1270	1270	1200	1200	1270	1310	1350	1310
00	865	830	900	900	1000	1080	1120	1080	1040	1000	970	900
80	752	500	500	570	640	678	715	790	1020	1950	1680	1380
880	880	810	810	810	810	810	1060	960	880	810	960	880
040	1140	1070	1180	1240	1100	1100	1070	1070	1240	1140	1070	930
080	1020	1020	1220	1490	3030	2610	3090	3990	5460	5780	5460	4060
070	1000	1000	1000	965	870	810	870	1140	1210	810	700	700
230	1100	1100	1230	1380	1640	1660	1460	1420	1340	1230	1230	1200
824	824	950	1150	1150	1080	1080	1220	1150	1080	1150	1220	1220
990	930	930	930	900	990	900	930	930	930	930	930	930
736	754	764	759	717	723	719	733	746	745	918	1067	973
740	769	677	662	603	595	498	590	498	590	590	682	780
1428	1419	1445	1621	1583	1527	1450	1480	1517	1437	1360	1207	1145
684	727	798	820	801	787	929	1109	1118	1073	1011	1028	1116
674	657	651	692	747	880	1047	1096	1083	1014	1012	934	901
1393	1217	1155	1048	1819	1935	1700	1477	2586	2347	2032	1360	1520
905	694	797	927	802	728	1028	1028	802	878	908	1078	999
1210	1155	897	938	1020	919	934	991	987	933	859	865	777
949	899	661	662	673	883	881	843	761	698	675	670	683
715	629	716	575	625	601	652	656	816	669	719	737	768
802	772	740	692	776	801	902	862	760	738	739	711	697
704	1179	1334	1066	1052	1083	1223	1051	1069	1075	776	611	701
1419	1298	1745	1882	2109	1887	1228	1224	1205	1725	2232	1734	1490
811	793	588	977	787	852	785	854	789	791	730	695	765
771	805	859	779	706	804	604	559	645	605	587	683	589
730	810	745	660	541	794	759	652	648	534	592	650	897
734	731	644	446	481	501	645	727	771	743	620	578	526
690	652	635	677	654	636	831	653	735	752	747	721	735
908	1020	817	930	1026	957	867	871	833	861	887	1021	1159
807	944	930	705	861	887	1228	492	739	717	506	667	848
797	993	1029	801	922	782	798	811	718	737	805	695	613
563	613	633	608	709	684	697	692	717	679	629	449	549
989	999	1074	914	1075	1325	1310	1220	1240	1225	1060	1250	1568
794	691	791	791	790	786	786	804	931	835	839	829	493
1128	849	749	740	673	670	697	857	784	660	857	630	699

Chart 2

	23	24	25	26	27	28	29	30	31	Total
20	1240	1210	1140	1040	1070	950	1100	1140	1280	
70	1870	1350	1280	1510	1680	1770	1680	1680	1590	
30	950	770	720	720	620	620	830	950	1010	
		550			550			550	550	
980	2780	2780	2780	2780	2060	1580	1340	1220	1220	
040	2040	2040	1680	1680	1680	1680	1680	1680	1680	
350	1310	1270	1240	1200	1200	1200	1130	1130	1200	
970	900	830	830	830	830	760	695	830	1120	
1680	1380	2400	4100	2990	2400	2010	1680	1570	1470	
960	880	810	810	960	880	810	810	750	750	
1070	930	1040	1180	1180	1100	1070	1040	1100	1965	
5460	4060	3210	2850	2490	2270	2110	1960	1860	1860	
700	700	650	1000	675	1000	1140	1210	1320	2140	
1230	1200	1300	1420	1550	1550	1380	1300	1230	1160	
1220	1220	1220	1220	1220	1370	1300	1150	1220	1220	
930	930	770	730	930	990	1050	1110	1050	1050	
1067	973	946	975	908	889	869	836	849	843	
682	780	673	861	867	864	777	877	777	690	
1207	1145	1201	1380	1603	1659	1506	1413	1355	1386	
1028	1116	1072	1015	928	868	851	779	758	688	
934	901	889	976	1211	2381	2491	2430	1984	1726	
1360	1520	1338	1760	1820	1565	1578	1380	1757	1331	
1078	999	978	1078	1203	1013	1043	943	958	873	
865	777	1106	1021	1038	846	901	1041	554	845	
670	683	797	743	857	814	996	983	876	876	
737	768	775	947	879	815	960	782	1172	1137	
711	697	747	861	746	693	694	807	955	892	
611	701	768	819	895	989	1273	1123	1106	1054	
1734	1490	1601	1475	1592	1337	1077	1221	1221	1216	45,004
695	765	766	629	629	876	820	821	745	707	22,757
683	589	615	666	677	814	810	820	795	811	22,387
650	897	845	913	695	675	826	706	749	750	22,407
578	526	480	387	486	568	676	683	836	642	19,306
721	735	808	684	613	721	873	617	663	757	21,963
1021	1159	2056	2184	1636	1477	1421	1301	1279	1206	39,840
667	848	924	939	893	812	826	923	836	837	26,128
695	613	638	617	582	417	429	418	411	413	22,306
449	549	644	654	604	654	709	657	710	611	18,784
1250	1568	1445	1195	1020	1125	1165	1258	1358	1255	33,746
825	493	481	818	813	743	1066	1058	848	823	26,118
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	855	858	847	1062	1351
1920	1517	1498	1474	1428	1374	1345	1334	1259	1182	1063	1021	976
1921	1453	1262	1416	1230	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	534	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	5169	5846	2972	2088	1758	1638
1926	794	795	772	941	1067	1136	2100	1900	1620	1485	1497	1354
1927	1047	1164	1449	1826	1924	1999	1734	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	755	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

11	12	13	14	15	16	17	18	19	20	21	22	23
1100	1010	1100	1180	1070	1100	1180	1210	1180	1220	1210	1210	1290
1010	1070	1070	1010	1070	1070	1010	1010	1070	1070	1070	1140	1140
1140	1140	1070	1070	1070	1010	1010	950	950	890	830	890	890
			1230			1750				1400		
1580	1580	1580	1340	1460	1460	1580	1580	1580	1580	1460	1460	1340
1460	1460	1460	1460	1460	1460	1360	1460	1460	1460	1680	2480	2330
1200	1270	1270	1240	1350	2430	2120	1870	2180	2180	2020	1820	1970
1900	1800	1560	1750	1310	1270	1350	1440	1390	1350	1270	1270	1270
1110	945	865	1020	790	945	1110	1020	1020	1020	1020	1110	1110
810	880	920	960	1010	1160	1240	1280	1330	1310	1280	1310	1280
3060	2950	2900	2840	2900	2900	2950	2900	2900	2840	2900	2840	2900
1000	1000	930	930	965	1070	1040	1040	965	1000	965	1000	1040
1440	1580	1960	1760	1760	2160	3400	2970	2610	2550	2580	2060	2060
1410	1325	1370	1230	1170	1140	1060	1230	1230	1230	1140	1110	1170
1550	1380	1340	1300	1260	1300	1460	1880	1780	1550	1460	1420	1460
1220	1080	1080	1080	1080	950	1020	1220	1220	1300	1530	2190	2300
990	930	930	820	730	820	930	1050	1110	1110	1050	1050	1104
1206	1182	1106	1066	1057	1074	1109	1111	1159	1158	1164	1183	1223
695	948	857	857	857	765	800	972	923	917	825	834	937
1355	1488	1493	1583	1534	1477	1432	1382	1486	1417	1449	1345	1366
1062	1351	1356	1203	938	927	995	992	973	943	930	908	943
1021	976	1041	999	977	1017	1073	1130	1099	1102	1160	1176	1147
1485	1215	1680	1900	2044	2953	2414	1311	1236	1465	1500	2195	2204
1110	1014	889	731	670	753	1023	1101	1280	1233	1115	865	715
932	671	759	772	873	928	701	934	831	936	1022	1041	1067
1336	1107	1507	1222	1178	1282	1356	1334	1266	1142	1164	1145	1314
1758	1638	1637	1778	1775	1608	1381	1443	1443	1558	1677	1938	1820
1497	1554	1252	1056	1033	1017	1000	1031	1004	1020	1020	1000	992
911	1060	1234	1243	1255	1150	1318	1204	1481	1789	3015	4104	3488
1549	1324	1166	1475	1166	924	1188	1192	1442	1452	1593	1426	1407
737	508	750	794	823	866	845	996	1049	1078	1044	931	754
1055	971	969	881	1343	1488	1268	1405	1290	1163	1767	1455	1715
836	837	688	630	862	890	887	974	925	908	1005	832	856
653	569	549	436	431	543	466	468	489	534	496	666	672
655	788	781	713	770	940	702	768	777	769	763	769	900
1506	1465	1324	1322	1316	1384	1463	1465	1314	1192	1595	1550	1190
924	917	918	928	883	753	781	922	934	1062	1119	1101	1043
708	728	1003	835	1042	608	776	1012	716	896	843	1137	1170
723	723	670	795	715	870	875	865	786	709	578	612	858
1412	1505	1707	1486	1459	1443	1199	1189	1128	1201	1437	1108	1207
793	1045	811	811	813	911	675	799	798	909	702	883	891
1439	1273	987	910	1329	1058	947	1047	953	840	818	837	949

Chart 2A

21	22	23	24	25	26	27	28	29	30	31	Total
210	1210	1290	1350	1390	1430	1450	1450				
070	1140	1140	1140	1210	1210	1280	1770	1870			
850	890	890	890	850	770	770	830				
400				1460			1750				
460	1460	1340	1220	1220	1340	1460	1460				
680	2480	2330	2180	2040	2180	2040	2040				
2020	1820	1970	1870	2070	1970	4160	4380				
1270	1270	1270	2880	2460	2220	2110	1800				
020	1110	1110	1110	1110	1020	1110	1110				
280	1310	1280	1200	1160	1160	1110	1300				
2900	2840	2900	3060	3180	3420	4060	4130				
965	1000	1040	1140	1180	1210	1240	1320	1360			
2580	2060	2060	2160	2160	2110	2060	2110				
140	1110	1170	1140	1170	1170	1140	1060				
1460	1420	1460	1380	1160	1160	1260	1230	1080			
1530	2190	2360	2140	1980	1880	1700	1790				
1050	1050	1104	995	1070	1076	1036	1112				
1164	1185	1223	1224	1222	1212	1248	1228	1160			
825	834	937	869	1096	1022	1156	1035				
1449	1345	1366	1431	1429	1418	1401	1401				
930	908	943	939	916	901	975	1087				
1160	1176	1147	1093	1050	971	938	936	927			
1500	2195	2204	2560	2090	1800	1985	2260				
1115	865	715	850	869	951	1019	716				
1022	1041	1067	1290	1263	1280	1163	1233				
1164	1145	1314	1018	1072	1120	1290	1121	1165			
1677	1938	1820	2302	2132	2024	1840	1906				
1020	1000	992	1063	1072	1020	1059	1032				
3015	4104	3488	2949	2719	2850	2576	2702				
1593	1426	1407	1407	1410	1380	1364	1264	1273			39,677
1044	931	754	1050	911	837	998	870				24,860
1767	1455	1715	1487	1282	1275	1175	1171				32,194
1005	832	856	706	805	788	835	829				22,649
496	666	672	614	644	670	814	1052	1239			18,378
763	769	900	767	746	744	752	765				20,568
1595	1550	1190	1479	1327	1398	1407	1550				39,474
1119	1101	1043	1039	1036	920	1006	1037				27,168
843	1137	1170	1102	1087	947	857	942	947			23,678
578	612	858	758	797	801	781	962				20,864
1437	1108	1207	1207	1102	1219	1366	1424				35,783
762	883	891	988	998	1094	897	861				23,585
818	837	949	1051	1048	1246	2085	4011	4878			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	2140	1070	1010	1010	890
1898	1750	1920	1920	1920	2250	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	2410	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	2560	2610
1910	5360	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	956	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	1010	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	937	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	1373	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	1658	1644	1619	1770
1935	1131	1204	1176	1098	1140	1115	919	1044	1161	1096	847	1094
1936	1060	1113	1325	1444	1573	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	24
	1610	1550	1490	1410	1370	1350	1370	1390	1390	1390	1390	1390	1430
	1280	1350	1350	1350	1350	1280	1350	1350	1590	2430	2970	3120	4100
	890	770	890	890	890	1090	1070	1010	950	950	1010	1210	1510
	2600	2430	1920	2090	1920	1750	1750	1750	1750	1920	1750	1580	1400
	1400	1400	1340	1340	1340	1340	1580	1940	2060	2060	1820	1820	1940
	5990	5990	5860	5860	6120	6120	6390	6390	6120	6120	6120	6660	6660
	2430	2180	2180	2180	2180	2570	2570	2570	2720	2880	3930	3480	5060
	1390	1390	1350	1350	1350	1350	1350	1350	1350	1440	1440	1440	1440
	1200	1380	1470	1570	1570	1570	1570	1620	1680	1680	1900	2010	2400
	4890	4460	4090	3900	3540	3720	3900	4890	4680	4380	4000	3900	3540
							1930	1850	1660	1630	1630	1630	1640
	1390	1350	1280	1160	880	750	810	880	1060	1160	1240	1350	1490
	3930	3740	3480	3540	3670	3540	6220	10600	10800	11300	9990	8630	7910
	1210	1360	1560	2780	3950	3810	4940	4100	5270	3020	2840	2780	2900
	2610	2610	2850	3210	3780	4130	4130	3990	4130	3850	3850	4060	4130
	7170	7490	8450	8770	9250	9890	10400	11800	15200	15600	16600	16100	12100
5	1540	1540	1640	1895	2170	2555	2670	2980	3370	3910	4200	4800	4800
0	1230	1230	1340	1380	1500	1460	1420	1380	1380	1290	1300	1420	1600
0	2140	1840	1670	1500	1500	1500	1670	1670	1500	1340	1420	1340	1340
20	3300	3520	3750	3830	4340	4730	5120	5530	5180	5120	4780	4730	4670
93	1195	1186	1224	1206	1295	1379	1283	1540	1669	1546	1951	2183	2500
00	3064	3552	3443	3345	3506	4057	4521	4902	5657	6189	5434	4801	4156
04	944	812	905	866	887	826	865	848	926	1024	1016	1020	924
00	1645	1744	1699	1758	2397	2209	2118	2637	2705	3355	3813	4013	4377
67	1069	1080	1063	1035	1123	1195	1138	1135	1280	1488	1788	1819	2381
60	1257	1293	1490	1569	1470	1534	1444	1393	1342	1443	1808	2109	2168
55	4010	4085	3895	4426	4168	4550	4450	5725	5346	4581	5073	4960	4927
89	917	990	725	485	777	1255	1822	2246	2395	2310	2235	2681	4669
62	1182	1242	1158	1014	1033	1057	1148	1122	1064	1290	1237	1219	1332
06	1179	1044	1078	1016	974	969	958	964	964	1028	976	948	995
14	2019	1995	1789	1790	1844	1983	1982	1988	2033	2661	3692	4305	5045
803	1666	1828	2490	2728	3083	3576	3135	2939	2805	2769	2811	3040	3470
542	2793	2492	3090	3901	3346	2755	3078	2766	2728	2486	2462	2777	2725
047	5304	4629	3924	3468	3168	3096	3370	3742	4360	5013	6156	8715	8645
102	1527	1838	1633	1582	1634	1720	1856	1860	1920	2042	3083	2758	1687
045	1117	1113	1261	1479	1637	1565	1670	1693	1705	1900	2038	2073	202
906	1008	1288	1209	1220	1385	1416	1527	2571	2553	2565	2865	2833	240
523	425	1519	1339	1478	1533	1501	1836	4216	8578	6327	3770	2934	284
824	836	1117	1000	1002	1074	1221	1313	1257	1273	1335	1141	1098	108
679	1770	1337	2141	2312	2659	2822	2573	2354	2330	2320	2466	2662	268
47	1094	1118	1364	1774	1797	1687	1588	1616	1413	1528	1418	1397	123
656	1581	1767	1654	1434	1293	1444	1398	1468	1722	2304	2481	2260	20
089	1490	1505	1632	1906	2266	2159	2510	2013	1649	1577	1462	1428	12
239	2307	3039	3496	3291	3626	4726	4586	4644	4468	3838	3471	3509	33
097	1130	1378	1424	1283	1105	1621	1981	2445	3140	3413	3878	4466	48
309	2061	1760	1737	1933	1711	1738	1859	2078	2107	2227	2467	2746	31

Chart 28

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
390	1390	1390	1390	1430	1550	1740	2060	3000	3430	2860	2590	
590	2430	2970	3120	4100	4100	6490	8260	6810	6190	4100	3930	
950	950	1010	1210	1510	1870	3120	3430	3120	2970	2690	2430	
750	1920	1750	1580	1400	1400	1400	1400	1400	1580	1750	1750	
060	2060	1820	1820	1920	3760	2130	2580	2780	2780	2780	2580	
120	6120	6120	6660	6660	6660	6920	6660	5330	5330	5060	5060	
720	2880	3930	3480	3060	3060	2640	2570	2430	2240	2180	2180	
350	1440	1440	1440	1440	1440	1440	1480	1440	1440	1440	1440	
680	1680	1900	2010	2400	3340	3520	4100	4750	5970	7900	8070	
680	4380	4000	3900	3540	3460	3210	3290	3050	4680	4680	4090	
660	1630	1630	1630	1640	1640	1940	2090	1860	1860	1820	1650	
060	1160	1240	1350	1490	2250	2840	3180	3180	3360	3480	4130	
800	11300	9990	8630	7910	7430	6740	6300	6070	5920	5770	5700	
6270	3020	2840	2780	2900	3200	3020	2960	2720	2560	3020	2620	
4130	3850	3850	4060	4130	4550	4840	3780	6280	6700	6450	6620	
6200	15600	16600	16100	12160	10800	10200	9250	9090	8770	8450	8290	
5370	3910	4200	4800	4800	4350	3840	3665	3500	3630	4500	4050	
1380	1290	1300	1420	1600	1730	2030	2480	2970	3360	3230	3130	
1500	1340	1420	1340	1340	1340	1200	1200	1480	1970	4040	4130	
5180	5120	4780	4730	4670	4540	3880	3690	3260	3090	3040	3000	
1669	1546	1951	2183	2500	2319	2190	1985	2080	2787	2612	2075	
5657	6189	5434	4801	4156	3751	3522	3471	4128	4416	4389	4472	
926	1024	1016	1020	924	1048	1006	933	906	1208	1563	1698	
2705	3355	3813	4013	4377	4720	5264	6243	6415	6414	6477	6335	
1280	1488	1788	1819	2381	2738	3288	3278	3678	4099	4812	5241	
1342	1443	1808	2109	2168	2108	1859	1852	1755	1579	1495	1559	
5346	4581	5073	4960	4927	5093	4881	4413	4092	4221	4306	4633	
2395	2310	2235	2681	4669	4453	3473	3156	2936	2782	2429	2972	
1064	1290	1237	1219	1532	1419	1804	1610	1884	2721	3359	4330	
964	1028	976	948	995	866	1058	900	997	919	914	764	
2033	2661	3692	4305	5045	4980	4830	4920	4460	5690	6054	6250	
2805	2769	2811	3040	3470	3393	2575	2525	2318	2074	2030	1865	
2728	2486	2462	2777	2725	3174	3384	3152	3273	3732	4012	4810	
4360	5013	6156	8715	8649	9920	8122	8359	8443	7252	6658	5978	136,423
1920	2042	3083	2758	1681	1745	1575	1578	1820	1984	1976	2318	50,952
1705	1900	2038	2073	2029	2094	2242	2972	2312	2505	2948	3073	51,808
2553	2565	2865	2833	2400	1950	1856	1504	1700	1623	1351	1718	45,623
8578	6327	3770	2934	2845	2955	2965	2460	2254	3060	2918	2724	67,913
1273	1335	1141	1098	1081	1003	997	1099	1106	1640	1644	1665	32,237
2330	2320	2466	2662	2685	2458	2445	2285	2760	5492	6110	5265	75,848
1413	1528	1418	1397	1234	1386	1433	1364	1349	1349	1709	1926	41,575
1722	2304	2481	2260	2057	1858	1681	1624	1668	1624	1491	1393	50,030
1649	1577	1462	1428	1285	1321	1402	1473	1493	1600	1723	1755	44,935
4468	3838	3471	3509	3305	3402	2310	3581	3347	3439	3194	2840	95,513
3140	3413	3878	4466	4809	5842	6017	5680	5766	5652	5231	5363	82,147
2107	2227	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	2830	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	5209	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	2867	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

11	12	13	14	15	16	17	18	19	20	21	22	23
3020	3240	3510	3680	3850	4020	4200	4370	4570	4680	4890	4470	4890
3930	3930	6810	11000	7150	6190	5910	4890	4470	3930	3760	4890	5130
4890	6490	7880	8660	14300	19000	26200	27000	29500				
2260	2600	3800	5170	5510	6020	6360	6360	5510	5510	5680	5580	5680
7600	8320	8140	7450	7300	10170	8500	8690	7000	6700	6700	7960	10910
5860	6390	7180	6120	5600	6120	5860	6120	6120	6120	6120	6120	6120
3460	4380	5050	5720	5500	5050	5280	5500	6170	6840	6840	7180	7740
2590	2660	2660	2590	2730	3740	4160	5500	5950	6400	5500	5050	4600
6810	5710	4980	5220	5340	5710	6240	6520	6660	6810	7740	11500	11000
1500	13700	15500	18000	19700	17800	16400	15400	17200	18000	15400	12200	10100
2570	2470	2570	2490	2490	2660	2820	2710	2980	3380	3380	3320	3540
4830	4620	4760	4830	5470	6070	6300	6370	6440	6520	7430	8070	8550
1600	13680	14600	15600	17000	16000	14500	13600	12300	11300	11400	11400	12500
5580	6780	8670	7950	7770	8760	8040	7950	8850	9600	10100	10600	9900
6550	6450	7150	8000	8450	9000	9150	9150	9050	8750	8450	8000	8200
1500	12000	11800	11200	10500	10000	10000	10000	10200	10800	10500	10400	10500
4750	4280	4120	3890	3780	3630	3750	4300	4430	4410	4250	4280	4620
7870	7360	6560	5780	5600	5280	5240	5530	5350	5240	4970	4970	4800
5280	5980	6980	7710	8310	7440	6900	7490	7910	7520	8100	8670	7650
8500	8100	8510	8750	9650	11300	10100	9250	8870	8800	8900	9490	9590
2799	2997	3574	3719	3501	3663	4073	4056	4108	4130	4300	4090	3728
1761	11644	10551	10410	10620	10490	9840	9550	8500	7540	7470	7660	7490
3881	4151	6451	4496	3948	3509	3093	2976	2850	3091	3701	5092	5900
7036	7100	6877	6838	6577	6063	5537	5144	3862	4145	4422	4966	5569
4467	4513	4483	4467	4267	4022	4083	4226	5155	5903	6490	6946	7273
3602	3889	4069	4230	4214	4248	3943	3558	3452	3535	3694	3728	3664
6514	5327	7017	8340	7536	6812	6002	6002	6172	6725	7155	7138	7674
5028	3849	3758	3457	3506	3305	2840	2585	2630	3265	3935	5425	7240
3874	5255	4705	4777	4548	4905	6311	6805	6347	6092	5045	4455	3962
2762	2722	2699	3378	3415	2745	2250	2191	2015	2144	2124	2476	2907
11355	13050	14200	12950	11335	11440	11755	12275	10665	8930	7786	7050	6760
3319	3344	3483	4083	4321	4867	5381	5802	5848	6001	5863	5023	4796
4742	4570	3980	4118	4603	4980	4956	5073	4648	4734	4200	4305	4219
3737	4216	3607	3977	3797	4053	4198	4445	4659	4221	4380	4232	3978
1726	1701	1558	1562	2046	2219	2552	3065	3471	4107	4235	3966	3860
5685	5631	5525	5481	5290	4418	3885	3774	3343	3400	4141	4781	5185
3072	3206	3540	3326	3143	2972	3083	3119	3354	2833	3070	2981	2784
4576	5694	7652	8697	9076	8305	8060	6727	6413	6664	6338	5443	4868
1512	1407	1486	1487	1809	2471	3328	3477	3250	3663	4220	4186	4820
4155	4344	4924	5274	5156	4687	4476	3941	4048	3958	4144	4688	4338
4198	4443	4871	5695	6446	8138	7767	6191	5524	6063	7305	8311	7747
4529	6748	8620	10535	11125	13522	12154	15960	18600	18270	17980	17140	18345
1960	1988	2287	4490	5662	7167	5220	4422	3785	3810	4022	4497	3958
5365	5802	6088	6436	6674	7394	7848	8938	12800	14070	12825	12541	13191
4823	4697	4700	4359	4117	3946	4252	4451	4701	5133	5708	6149	6521
4623	4422	4762	5769	6669	6698	6023	5786	5661	6661	6781	6276	5848

Chart 2C

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
4680	4890	4470	4890	5980	5910	6810	6490	6840	6220	6490		
3930	3760	4890	5130	5130	5910	7150	5640	5380	5640	5130		
5510	5680	5580	5680	5680	5850	6540	6540	6540	6360	6190		
6700	6700	7960	10910	13130	11280	11650	9060	7960	7300	6700		
6120	6120	6120	6120	6120	6120	5860	5860	5860	5860	6120		
6840	6840	7180	7740	8640	7850	8080	7290	7070	7520	8410		
6400	5500	5050	4600	4160	3840	3940	3940	3740	3550	3740		
6810	7740	11500	11000	11500	12100	13300	12700	10500	8410	8070		
18000	15400	12200	10100	9120	9120	11100	13600	11800	11100	10600		
3380	3380	3320	3540	3540	3950	4410	4570	4070	3760	3590		
6520	7430	8070	8550	7830	7430	6520	6300	6220	6520	6600		
11300	11400	11400	12500	12500	12500	12100	11900	11500	11300	11300		
9600	10100	10600	9900	8940	7940	7590	7140	6690	6510	6690		
8750	8450	8000	8200	8350	8000	9400	10500	10200	9000	7460		
10800	10500	10400	10500	10500	11000	11500	11500	11300	11000	10200		
4410	4250	4280	4620	5330	6500	8200	8500	8300	7640	7300		
5240	4970	4970	4800	4900	5780	5760	5740	6000	6440	8430		
7520	8100	8670	7650	6790	6430	7140	7870	8290	7430	6730		
8800	8900	9490	9590	9360	9300	7970	8070	7840	7630	6620		
4130	4300	4090	3728	3387	3212	3296	3292	3357	3493	3743		
7540	7470	7660	7490	9450	11390	13460	14960	14020	12050	10430		
3091	3701	5092	5900	7547	8193	9086	9314	9990	7615	6699		
4145	4422	4966	5569	6797	7647	7167	6552	6124	5937	5984		
5903	6490	6946	7273	8021	9470	10433	10516	10355	10215	9956		
3535	3694	3728	3664	3246	2931	2893	3152	3518	4078	4608		
6725	7155	7138	7674	8104	7287	6587	5830	6050	6402	7250		
3265	3935	5425	7240	8120	8815	8870	9270	9976	10412	9160		
6092	5045	4455	3962	3538	2938	3222	3601	4610	5280	5760		
2144	2124	2476	2907	3094	2821	2761	2548	2741	2873	3123		
8930	7786	7050	6760	5857	5666	5365	5140	5220	5640	6000		
6001	5863	5023	4796	4214	3991	4071	4313	4525	4919	5103		
4734	4200	4305	4219	4865	6872	10092	13778	14531	14795	14870		158,406
4221	4380	4232	3978	4641	5988	6929	10105	11480	10460	9717		89,547
4107	4235	3966	3860	4207	4109	4013	4434	4832	5308	5506		137,089
3400	4141	4781	5185	6194	5909	5666	4546	4786	4674	3349		
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
3958	4144	4688	4838	5446	4520	4964	4277	3896	3826	3677		124,824
6063	7305	8311	7747	6145	5407	5092	5495	6314	6208	6221		149,729
18270	17980	17140	18345	19790	17200	15155	13250	11980	10965	10250		288,797
3810	4022	4497	3958	3501	3206	3345	4635	5338	4678	3803		103,679
14070	12825	12541	13191	13278	13122	14180	14188	13469	13329	15202		252,550
5133	5708	6149	6521	6366	6153	5456	5092	5044	5579	7046		164,459
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	7880	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	8090
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	5704
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	10968	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	23
5640	5640	5640	6490	6810	6810	6490	6190	6190	6490	6810	6190	5640
6190	5910	5380	4890	4890	4890	4670	4490	4280	4280	4100	4890	7150
4820	4820	5510	5510	5680	5590	5590	5000	4820	5000	5000	4910	4910
17200	14200	13500	12800	11300	10200	9800	9060	7600	7300	7300	8320	9060
11960	11960	8510	8510	8780	8780	8510	8240	8510	8240	7980	7720	7450
11200	11300	12000	12200	12200	12700	12700	12400	11500	9980	9530	8640	8000
6400	6840	7740	7740	7070	7070	6840	5950	5500	5160	4830	4720	4600
9560	9560	11000	12700	12700	11500	10000	10000	8870	7110	5710	5220	4980
12300	12800	12800	13200	13600	13600	13600	13900	13900	15000	16400	18000	18700
2980	2900	2710	2580	2610	2650	3300	4600	4740	4710	4670	4100	3990
8310	8710	8710	8470	8390	7430	6440	5920	5700	5700	5700	5540	5320
12500	11200	11100	10100	9700	10300	11100	12500	13400	13300	12200	11700	10900
6870	6340	6170	5740	5580	5340	5100	4860	4860	4700	4400	4180	3960
9000	8200	8000	7630	8200	8600	8400	8200	8600	9300	9600	10200	10500
10000	8090	9890	9730	9250	8610	8130	8130	8130	7650	7330	7170	7650
7650	7560	7880	7840	8980	10200	9650	10100	9380	8830	8610	9030	9300
11700	11600	11400	11700	11900	12100	12700	12900	13700	14300	14500	12600	11800
10600	10000	9490	8470	7920	7380	6980	7810	8500	8370	8240	8610	9440
10200	10100	9920	9280	9440	9440	9600	9600	9280	9440	9600	9600	9920
3871	4165	5107	5486	5334	5239	5033	5678	6227	5729	5468	5074	5796
9740	8368	7362	6601	6220	6100	6260	7084	8419	8397	8717	8517	7777
11090	12189	13773	15296	17848	17555	13816	10629	9104	8562	8308	9284	9928
7368	7053	6522	6344	6834	6187	6405	5535	4700	4942	4969	4717	4632
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	13925	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	3343	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	6631
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

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
6490	6810	6190	5640	5380	5130	6490	7880	6810	5640	4890	4670	
4280	4100	4890	7150	11000	12500	14900	14900	19000	19700	23700	31200	
5000	5000	4910	4910	4910	4910	5000	5000	5080	6190	5680	5250	
7300	7300	8320	9060	9800	10900	9800	9060	10300	10500	11300	10900	
8240	7980	7720	7450	7450	7180	7180	6920	6920	6660	6660	6390	
9980	9530	8640	8000	7520	7740	8410	8640	9080	9080	8640	8190	
5160	4830	4720	4600	4480	4720	5500	6400	7520	8190	7960	7740	
7110	5710	5220	4980	4980	5220	5340	6240	6660	6810	7740	9150	
15000	16400	18000	18700	18000	16100	14800	12200	12200	12800	11500	11800	
4710	4670	4100	3990	3670	3360	3430	4700	4380	5360	5030	5120	
5700	5700	5540	5320	5540	5470	7040	6740	6520	6440	6070	5920	
13300	12200	11700	10900	10700	9900	9600	9220	9120	9120	10700	11300	
4700	4400	4180	3960	3890	4320	4620	4400	4250	4100	4250	4180	
9300	9600	10200	10500	10200	10200	10400	12000	13100	11700	10200	10200	
7650	7330	7170	7650	9090	8930	7970	8130	7650	7330	7810	8290	
8830	8610	9030	9300	9640	9500	9100	8690	8260	7700	8750	9620	
14300	14500	12600	11800	10800	10500	13000	13500	12700	12500	12900	13100	
8370	8240	8610	9440	11100	12200	12400	12800	13300	12700	12200	11800	
9440	9600	9600	9920	9760	9600	8640	8160	7680	7490	7460	7750	
5729	5468	5074	5796	5022	4787	4461	4241	4198	4667	4521	4537	
8397	8717	8517	7777	7247	6828	6999	5930	5910	6140	6270	6560	
8562	8308	9284	9928	11175	10899	12114	11333	11495	11952	11586	11785	
4942	4969	4717	4632	4615	4825	5036	5266	5255	5317	4972	4676	
7383	8583	10072	11107	11444	11323	10110	9820	9536	10170	11580	11316	
9031	8581	8430	8460	8352	8041	7268	6578	6181	6337	6674	6809	
13165	12974	12930	12541	12865	13949	15565	16723	15918	15515	15115	14000	
16220	15936	15925	13375	13343	16833	18174	14975	11890	10432	10248	10795	
7573	7923	8121	7990	8895	10240	11950	10158	7778	6509	6268	5921	
4490	4074	4020	3888	3711	3338	3312	3040	2876	2505	2306	2130	
14350	14350	13870	12690	11780	11090	10725	10000	10855	11600	11513	10516	
3665	4404	4192	3976	3964	3735	3313	3033	2768	3051	2762	3114	
14384	11536	9768	8909	7754	7128	7836	8923	9582	8753	8044	7795	
13409	12700	14513	14996	14810	15145	15957	15944	14976	13632	12294	10471	426,097
6424	7067	7767	8604	9196	9374	8661	6911	5882	5099	4639	4515	179,709
4844	4902	5365	5164	4767	4518	4524	4740	5434	6571	7559	7289	147,623
3632	3266	3062	2718	2828	3154	3577	3752	3550	3494	3274	3405	125,769
12051	12114	12710	10955	8933	7079	6384	5838	5841	5783	5880	5991	282,088
4861	4866	5561	5879	6017	6201	6925	8055	8577	7771	8254	9359	170,805
3178	3048	2961	2783	2987	2913	2832	2553	2605	2394	2372	2394	114,808
5963	6039	6926	7983	9299	9501	9016	8784	8402	8204	8005	8375	214,264
9807	8582	7622	6831	6225	6750	7498	8365	9154	9524	9492	9120	312953
6535	6045	5598	5827	6462	6098	6658	6286	6269	6315	5787	5017	190,596
10396	9033	8327	8402	9447	11025	11983	14127	16428	15847	14345	12313	357,657
5275	4987	4246	4115	3860	3410	3487	3285	3479	3664	4124	4620	170,918
7261	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	13
1895	4470	4100	3930	3930	4100	3930	4100	3930	3760	3590	3430	3430	3760
1896-1897	27000	27000	32100	29500	27000	24500	24500	25300	23700	25300	22900	22900	29500
1898	4910	4820	4820	4480	4310	4480	4140	3970	4140	4650	4910	5170	5510
1899	10200	10500	12800	13900	13900	11300	10500	10500	9800	10200	11600	13900	10200
1900	6120	6120	6660	6920	7180	7850	7450	6920	6920	6120	5330	4940	4940
1901	7740	7740	7740	7070	6400	5720	5500	5050	4830	4600	4380	4270	3930
1902	7070	6170	5500	5290	5160	5050	5160	5840	6730	7520	7290	6840	6510
1903	13300	16900	16200	14400	13300	12700	13300	13800	14400	14400	13800	12700	11500
1904	11800	11800	10400	9440	9440	10100	9770	9770	9600	9440	9440	8900	8180
1905	6070	6260	5890	5380	5180	4940	4860	5360	5360	5010	5010	4920	5090
1906	5700	5470	5620	6070	6140	6440	5700	5700	5470	5540	5920	7430	7990
1907	11700	12200	12200	11900	11100	10900	11300	10700	10500	10000	9700	9320	9320
1908	4030	3820	3960	4260	4030	3890	3960	4400	4780	5500	6260	7770	8670
1909	11600	13900	15400	15900	16000	16000	14600	13000	11800	10800	9400	8230	8230
1910	9090	9250	8290	6850	6700	6850	6250	5950	5200	5050	5650	5950	5500
1911	10500	11500	12400	13400	13400	12800	13500	13800	13500	12400	12500	14100	15100
1912	13200	13300	13700	13600	14000	14400	14800	15300	15600	15100	13900	13300	14300
1913	11400	11800	10900	10500	9920	9680	9280	9360	9280	8720	8160	7600	7360
1914	8020	8150	8750	8400	7550	6430	5800	5620	4820	4510	4200	4160	4280
1915	5048	5114	4524	4067	3842	3890	3822	3999	4124	3945	3630	3428	3149
1916	6620	6470	6960	8179	9468	10068	10178	10582	11262	11622	10902	10012	9570
1917	10345	10482	10360	9982	9270	8811	9153	9429	11048	12940	12928	10816	9286
1918	4749	5176	5636	6558	7487	7777	9016	10176	10760	11557	12061	11855	12282
1919	10255	7472	6089	5964	5206	5145	5188	5118	4899	4586	4265	3990	3755
1920	6487	5870	5300	4985	4893	5269	6030	6487	7077	7214	6868	6349	6153
1921	14670	14220	14340	14695	15550	15975	17037	17258	17540	16818	16617	17625	16612
1922	11577	12915	12786	13520	14444	15650	16463	14815	13022	12475	10466	10142	10280
1923	6042	5198	4530	4716	4888	5297	6345	7213	8065	8744	9837	10502	9524
1924	1935	1858	2013	2026	1969	1634	1948	1302	1670	1463	1260	1293	1160
1925	8353	8046	7281	6584	5910	5445	4939	4668	4456	4555	4763	4857	4997
1926	2718	2626	2718	2576	2514	2497	2566	2340	2403	2135	2055	1939	1807
1927	6947	6653	6698	7545	8288	9452	12595	15620	17584	15675	14750	16150	16294
1928	8985	8113	7355	6921	6982	7153	6716	6586	6177	5303	5541	5158	4911
1929	4639	4708	4073	4456	4007	3865	4717	5046	5665	5839	5492	5378	5359
1930	6967	4563	4532	4368	4000	3929	4232	5477	6346	6983	6399	6649	6288
1931	3335	3636	3543	3254	2910	2647	2580	2501	2502	2161	2134	2028	1619
1932	5747	5425	5100	5332	6021	8061	7489	6278	5952	6154	6787	7159	8423
1933	11448	12048	12091	12508	11191	9955	10361	9261	9038	11474	11156	11117	11423
1934	2235	2292	2075	1917	1903	1614	1694	1788	1897	1628	1676	1636	1631
1935	8859	8727	8204	7712	7596	7983	8495	8603	8779	8648	7399	7437	7301
1936	9965	9828	8690	7783	7050	6627	7284	8334	7421	6245	5807	5408	5521
1937	4446	3857	3969	4140	4323	3737	3532	3159	3329	3796	3510	3291	2971
1938	12041	12283	13053	13791	13719	13699	13906	13723	13000	11393	9451	8936	9231
1939	4184	3820	3378	3153	2996	2498	2702	2364	2324	2327	2259	2226	2131
1940	6577	6623	6228	5771	5412	4936	4592	4410	4362	3753	3865	3782	4241

JUNE

	12	13	14	15	16	17	18	19	20	21	22	23	24
30	3430	3760	3590	3760	3590	3430	3120	2970	3120	3270	3590	4100	4100
000	22900	29500	35500	32100	32100	32100	31200	30400	27000	27000	22900	19000	15500
010	5170	5510	5690	6020	6020	5100	4530	3900	3900	3740	3900	4530	3740
000	13900	10200	11300	10500	11300	6020	5850	5850	5680	5680	5680	5680	5510
030	4940	4940	4940	4810	5730	13900	16100	17200	18700	15000	11300	10600	12000
080	4270	3930	3710	3710	3930	4810	4230	4230	4230	4460	4340	3910	3710
090	6840	6510	5950	5280	4380	4380	4600	4930	5280	5500	5280	4830	4380
000	12700	11500	10500	10000	4160	4160	3940	3940	3740	3550	3550	3550	3740
040	8900	8180	8480	8900	10500	10000	10000	7740	7110	6520	6240	6240	5460
010	4920	5090	4930	4460	10100	10800	10400	10100	8960	8480	8180	7580	6500
020	7430	7990	6900	6740	4000	3990	3650	3110	2930	3120	2990	2930	2880
000	9320	9320	8850	8130	6600	6600	6000	5620	5400	5320	5180	5040	4760
060	7770	8670	8310	4550	7410	6340	5740	5930	6170	7050	7770	7220	6510
000	8230	8230	8230	11800	5180	8490	7770	6870	5830	5660	4860	4400	4250
0650	5950	5500	5350	5350	13000	12800	12800	12000	11600	9600	9200	8230	8040
0500	14100	15100	14700	15100	5200	5050	4900	4190	4050	4050	3840	3490	3360
0900	13300	14300	13800	12000	15000	14400	13500	14000	13900	13100	12500	12300	11200
0160	7600	7360	7120	6680	10500	9410	8770	8610	8950	9600	9300	8990	9170
0200	4160	4280	4280	4140	6060	5980	5600	5530	5160	4640	4500	4640	4640
0630	3428	3149	2848	2699	4720	5020	5320	5620	5320	5020	4720	4140	3870
0902	10012	9570	10158	11058	2666	2802	2798	2820	2743	2732	2609	2598	2578
0928	10816	9286	7885	8621	12138	13142	14280	15450	13190	10262	8651	7470	7140
0061	11855	12282	12601	11324	10266	11395	13840	14535	14566	13453	12962	11684	10581
0265	3990	3755	3557	3436	9414	7893	7507	7440	7170	6675	6964	6615	6750
0968	6349	6153	6119	6316	3383	3392	3334	3276	3154	3999	2937	2871	2719
0617	17625	16612	15901	13645	6708	6845	6440	5909	5372	5213	5177	5181	5128
0466	10142	10280	11675	16005	11422	8661	7218	7047	7591	7649	8270	8770	9205
0337	10502	9524	7543	5722	12185	11735	11621	11721	11290	11142	10158	8827	7840
0260	1293	1160	1265	1103	7972	5150	4877	5162	5152	5247	6730	6024	5878
0763	4857	4997	5108	5234	1194	1061	1009	944	998	989	984	976	971
0055	1939	1807	1670	1581	5415	5470	5210	6540	6391	7203	8280	8590	8012
0750	16150	16294	15869	15574	1482	1379	1343	1274	1426	1364	1350	1304	1192
0541	5158	4911	4695	4404	14561	13880	12861	12882	13360	12600	12002	11701	11590
0492	5378	5359	5535	5797	4352	4304	3931	3857	3787	3733	3868	3825	3952
0599	6619	6288	5115	4867	6342	7305	6062	4896	4273	3946	4095	4135	4073
0134	2028	1619	1750	1578	4237	4229	4593	4238	3786	3579	3310	3101	2872
0787	7159	8423	8638	9594	1506	1531	1507	1428	1323	1261	1205	1185	1133
0156	11117	11423	12035	12093	11250	10637	9668	8333	8291	8168	7948	9118	9447
0076	1636	1635	1578	1526	12214	11586	9977	8216	7127	6552	6375	5944	6374
0099	7437	7305	6893	6609	1430	1350	1263	1172	1064	1047	1056	1023	959
0007	5408	5523	5579	5326	5901	5174	4585	4679	4618	4706	4385	4288	4283
0010	3291	2979	2708	2697	1506	1531	1507	1428	1323	1261	1205	1185	1133
0051	8936	9236	9148	8857	2762	2797	2776	2610	2537	2601	2822	2965	2580
0059	2226	2131	2218	2211	8741	8587	8585	7465	6657	6267	6787	6962	637
0065	3782	4243	4395	4385	2269	2305	2220	2001	1968	1876	1821	1683	1640
					4048	3864	3613	3570	3328	3012	2827	2612	2354

Chart 2E

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
20	3270	3590	4100	4100	4100	4100	3930	3930	3930	3760		
00	27000	22900	19000	15500	14300	14300	27000	11500	9520	9520		
00	3740	3900	4530	3740	3600	3600	3740	3600	3460	3460		
80	5680	5680	5680	5510	5170	4650	4650	3970	3800	3460		
00	15000	11300	10500	12000	12000	11300	10500	11300	12200	11300		
230	4460	4340	3910	3710	3520	3330	2980	2810	2480	2350		
280	5500	5280	4830	4380	3710	3060	2880	2720	2880	3060		
740	3550	3550	3550	3740	3550	3190	3030	2730	2660	2520		
110	6520	6240	6240	5460	5220	5220	5100	4980	4980	4530		
960	8480	8180	7580	6500	6010	5540	5540	5540	5770	5770		
930	3120	2990	2930	2880	2880	2770	2870	2560	2390	2240		
400	5320	5180	5040	4760	4760	4900	5040	5920	5040	4480		
170	7050	7770	7220	6510	6510	7770	7950	8670	9500	9220		
830	5660	4860	4400	4250	4180	5020	5830	5420	5100	5340		
600	9600	9200	8230	8040	7860	7500	7050	7680	7680	7680		
050	4050	3840	3490	3360	3360	3360	3360	3360	3230	3100		
8900	13100	12500	12300	11200	9500	8750	8150	9160	8400	7970		
8950	9600	9300	8990	9170	8710	8560	8260	7150	6400	6100		
5160	4640	4500	4640	4640	4360	3940	3660	4080	3660	3400		
5320	5020	4720	4140	3870	3730	3640	3540	3450	3360	3270		
2743	2732	2609	2598	2578	2635	2581	2339	2045	1955	1920		
3190	10262	8651	7470	7140	7652	8584	9314	9784	9420	7796		
4566	13453	12962	11684	10581	10248	9269	9701	9485	9517	8933		
7170	6675	6964	6615	6750	5485	4699	4072	3663	3394	3524		
3154	3999	2937	2871	2719	2621	2430	2319	2248	2150	2078		
5372	5213	5177	5181	5128	4799	4317	3859	3554	3342	3465		
7591	7649	8270	8770	9205	9133	8310	6694	6628	7439	6826		
1290	11142	10158	8827	7840	6940	6928	6536	6080	5557	5137		
5152	5247	6730	6028	5878	5423	4917	5132	5037	5765	6268		
998	989	984	976	971	925	979	913	848	844	872		
6391	7203	8280	8590	8012	7286	6438	6298	5927	5747	5902		
1426	1364	1350	1304	1192	1123	1049	1099	1040	1031	935		
3360	12600	12002	11701	11590	11419	11187	13198	9724	8546	7506		
5787	3733	3868	3825	3952	4065	4037	4027	3394	3358	3328		152,828
4273	3946	4095	4735	4073	3962	3936	4005	3839	3784	3699		142,948
5786	3579	3310	3101	2872	2987	2604	2442	2394	2359	2241		128,691
1323	1261	1205	1185	1133	1108	1016	890	722	687	742		55,431
8291	8168	7948	9118	9447	8649	8662	7123	7040	6545	6073		229,112
7127	6552	6375	5944	6374	5249	4887	4988	4345	4269	3797		269,099
1064	1047	1056	1023	959	870	839	930	1017	1037	969		43,120
4618	4706	4385	4288	4283	3743	3480	3281	3130	3051	3078		181,631
4012	3679	3637	3379	3178	3153	2967	2866	2489	2357	2111		159,642
2537	2601	2822	2965	2580	2294	2115	1911	1769	1838	1648		89,498
657	6267	6787	6962	6537	6114	6286	6412	6067	5592	5774		279,069
968	1876	1821	1683	1640	1637	1643	1546	1417	1398	1429		67,944
328	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	13
1895	3590	3430	3430	3430	3120	3120	3430	3430	3270	3270	3120	3120	3120
1896	9080	11500	12500	12500	11500	11000	10500	9980	9080	8660	8260	8260	7510
1897	3460	4080	3600	3260	3260	3070	2880	2810	2420	2290	2360	2350	2290
1898	3290	3120	2600	2600	2430	2600	2430	2430	2600	2600	2430	2600	2260
1899	11300	10200	10200	9800	8690	7960	7780	8320	7780	7600	7300	7000	6700
1900	2180	2040	1980	1910	1680	1620	1570	1460	1460	1520	1520	1520	1460
1901	2880	2880	2880	2800	2430	2300	2300	2300	2180	2180	2070	1970	1970
1902	2280	2400	2340	2660	2220	2110	2000	1900	1900	1950	1950	2000	2060
1903	4310	3900	3520	3080	2990	3020	2990	2830	2610	2400	2400	2260	2400
1904	5770	5540	5540	5540	4680	4680	4680	4680	4680	4090	3720	3370	3210
1905	2150	2150	2060	1970	1870	1790	1710	1630	1550	1470	1430	1350	1270
1906	4130	4270	4480	4550	4340	4200	4060	3860	3670	3420	3240	3180	2950
1907	8940	8670	8850	9220	8940	7770	6000	6260	6990	6870	6510	6260	6260
1908	5580	5660	5740	4400	5500	4940	4400	4400	4320	4100	3960	3560	3430
1909	7680	7500	7500	6780	6260	6010	5770	5470	5170	3910	3720	3650	3470
1910	2970	2780	2660	2600	2720	2360	2250	2140	2140	2030	1980	1880	1830
1911	7230	6360	6100	6300	6350	6240	6280	5720	4880	4370	3950	3820	3680
1912	5500	5050	4610	4050	3910	3770	3630	3490	3230	3100	2970	2970	2840
1913	3530	3400	3270	3400	3140	3140	3140	3020	2770	2650	2420	2200	2100
1914	3180	3030	2890	2760	3770	2960	2710	2470	2280	2200	2340	2160	1980
1915	1899	1843	1780	1767	1672	1872	1894	2065	1762	2001	1666	1582	1539
1916	7236	8410	8074	6851	6408	7015	7302	7394	7511	6736	6069	5816	5584
1917	8343	8083	7952	8089	7896	7188	7099	6683	6293	5838	5125	4666	4380
1918	3181	2916	2773	2605	2470	2176	2197	2210	2055	1968	1934	2086	1858
1919	1934	1869	1728	1626	1537	1460	1448	1411	1384	1334	1272	1218	1122
1920	3529	3574	3425	3139	2987	2825	2654	2470	2315	2167	2047	1998	1990
1921	5928	5285	4216	4406	3896	3750	3922	3772	3731	3650	3313	3645	2956
1922	4597	4132	4014	3657	3499	3258	3454	3009	2946	2656	2512	2506	2385
1923	6345	6011	5031	5109	4710	4275	4065	3834	3931	3472	3246	3762	3204
1924	789	695	686	684	675	629	650	675	615	563	554	590	587
1925	5650	4866	4388	4062	3889	3613	3299	2852	3004	2639	2536	2674	2361
1926	944	927	880	861	826	812	800	780	824	829	841	774	739
1927	7214	6826	6685	6340	5880	4949	5104	5014	4905	4723	4366	4377	4170
1928	2922	3023	2928	2683	2796	2729	2403	2319	2309	2102	2098	2084	1974
1929	3459	3250	2814	2599	2363	2282	2149	2042	1917	1860	1793	1686	1602
1930	2096	1895	1887	1913	1846	1799	1709	1599	1490	1414	1403	1429	1356
1931	730	780	726	704	655	637	634	635	632	631	646	645	618
1932	5403	5232	4606	3919	3729	3321	2775	2850	2956	2703	2467	2595	2242
1933	3548	2842	2789	2615	2584	2423	2312	2142	2093	2005	1803	1648	1548
1934	914	878	858	823	780	765	728	737	714	675	684	639	558
1935	2696	2493	2479	2280	2287	2144	2301	2041	1898	1746	1630	1669	1715
1936	2004	1849	1680	1686	1614	1638	1552	1528	1379	1493	1522	1550	1544
1937	1701	1497	1437	1252	1358	1258	1244	1248	1218	1200	1109	1039	964
1938	6644	5707	5906	5470	5398	5031	4585	4216	3980	3947	3606	3538	3017
1939	1347	1354	1301	1285	1388	1464	1389	1329	1264	1131	1072	1056	1033
1940	1470	1571	1481	1482	1526	1422	1394	1353	1196	1165	1149	1096	1062

JULY

	12	13	14	15	16	17	18	19	20	21	22	23	24
0	3120	3120	3120	3120	3120	2850	1870	1870	1770	1680	1680	1510	1430
0	8260	7510	7150	6490	5910	4890	4470	4100	3120	2560	1870	2560	3120
0	2350	2290	2290	2290	2160	2160	2290	2160	1900	1840	1640	1980	1840
0	2600	2260	2260	2090	1920	1750	1660	1580	1490	1400	1320	1230	1150
0	7000	6700	6120	5580	5060	4820	4580	4480	4160	4160	3760	3560	2980
0	1520	1460	1410	1270	1270	1230	1190	1160	1100	1080	1080	1050	1050
0	1970	1970	1870	1780	1780	1690	1640	1600	1600	1540	1510	1560	1600
0	2000	2060	1950	1900	1850	1800	1700	1700	1610	1520	1350	1190	1190
0	2260	2400	2330	2260	2400	2470	2400	2010	1950	2010	2130	2010	1900
0	3370	3210	3050	2900	2670	2500	2500	2440	2380	2380	2380	2440	2260
0	1350	1270	1210	1170	1140	1070	1030	1010	990	970	950	930	880
0	3180	2950	2780	2510	2350	2200	2060	1950	1780	1660	1590	1660	1740
0	6260	6260	5420	5100	4700	4480	4250	4250	4320	4100	3950	3810	3600
0	3560	3430	3690	3960	3070	2470	2420	2320	2170	2120	2030	2030	1850
0	3650	3410	3170	3050	2930	2810	2590	2540	2370	2200	2150	2050	1970
0	1880	1830	1780	1730	1680	1380	1550	1550	1420	1420	1420	1340	1300
0	3820	3680	3540	3540	3480	3280	3150	2960	2710	2590	2420	2300	2190
0	2970	2840	2840	2720	2600	2480	2480	2480	2250	2250	2030	2030	1830
0	2200	2100	1990	1890	1800	1710	1710	1620	1710	1620	1620	1620	2320
0	2160	1980	2010	1840	1780	1710	1620	1540	1550	1810	1630	1470	1470
6	1582	1539	1570	1370	1162	1228	1197	1111	1102	1041	1007	960	929
9	5816	5584	5211	4830	4471	4661	4001	3584	3258	3110	2894	2704	2591
5	4666	4300	3940	3492	3222	3052	2971	2744	2579	2380	2210	2055	2047
4	2086	1858	1735	1698	1819	1718	1480	1719	1651	1566	1585	1272	1111
2	1218	1122	1094	1119	1087	1047	940	914	863	888	835	770	762
7	1998	1990	1889	1752	1589	1537	1431	1424	1360	1333	1270	1243	1180
3	3645	2956	2907	2538	2670	2392	2293	2277	2086	1840	2042	1872	1694
2	2506	2385	2241	2007	2334	1919	1936	1861	1838	1891	1776	1739	1662
6	3762	3204	3249	3091	2602	2790	2609	2362	2191	2148	2125	1893	1950
4	590	587	580	561	540	523	522	531	544	544	544	544	544
6	2674	2361	2203	2092	2054	1884	1917	1803	1793	1619	1735	2095	1675
1	774	739	672	681	646	689	638	639	600	542	497	494	493
6	4377	4170	3847	3643	3553	3168	3209	2923	2887	2756	2365	2375	2078
8	2084	1974	1920	1875	1856	1845	1733	1627	1567	1475	1455	1421	1390
9	1686	1602	1480	1415	1354	1355	1252	1221	1092	1078	1060	981	987
0	1429	1356	1335	1261	1219	1199	1139	1084	987	965	989	950	928
6	645	618	603	595	598	576	555	552	516	496	455	450	435
6	2595	2242	2710	2887	2349	1977	2035	1902	2203	1820	1761	1717	1618
0	1648	1548	1427	1415	1299	1253	1270	1209	1113	1059	1017	1018	996
4	639	558	528	513	554	560	552	563	524	512	463	496	478
3	1669	1715	1652	1548	1480	1436	1378	1245	1214	1149	1144	1103	1073
2	1550	1544	1481	1344	1263	1224	1216	1173	1144	1092	1113	1103	1098
9	1039	964	897	849	863	855	923	858	861	801	781	779	732
6	3538	3017	3060	2911	2940	2934	2684	2491	2264	2223	2109	1931	1925
2	1056	1033	973	946	909	869	854	831	793	772	770	771	795
9	1096	1062	1020	968	944	876	871	845	836	826	812	772	786

Chart 2F

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
70	1680	1680	1510	1430	1350	1350	1350	1280	1350	1350	1280	
20	2560	1870	2560	3120	3120	2310	2080	1870	2310	2310	2190	
00	1840	1640	1980	1840	1770	1640	1640	1580	1510	1380	1440	
90	1400	1320	1230	1150	1060	978	892	892	892	978	892	
60	4160	3760	3560	2980	2980	2780	2580	2580	2390	2490	2390	
00	1080	1080	1050	1050	1120	1120	1050	1050	990	978	960	
00	1540	1510	1560	1600	1560	1510	1350	1200	1130	1080	1060	
10	1520	1350	1190	1190	1190	1126	1120	1120	1120	1120	1040	
50	2010	2130	2010	1900	1900	1780	1780	1570	1470	1380	1330	
80	2380	2380	2440	2260	2140	1920	1810	1810	1810	1700	1600	
90	970	950	930	880	860	840	820	820	810	780	750	
80	1660	1590	1660	1740	1410	1370	1310	1300	1260	1240	1200	
20	4100	3950	3810	3600	3460	3270	3200	3340	3270	3020	2840	
70	2120	2030	2030	1850	1810	1690	1580	1540	1470	1440	1330	
70	2200	2150	2050	1970	1870	1820	1970	2080	1820	1680	1500	
20	1420	1420	1340	1300	1260	1230	1160	1160	1130	1100	1070	
10	2590	2420	2300	2190	2080	2020	1970	1860	1760	1720	1670	
50	2250	2030	2030	1830	1830	1640	1640	1550	1460	1430	1930	
10	1620	1620	1620	2320	3940	3800	3400	3140	2650	2420	2200	
50	1810	1630	1470	1470	1395	1320	1250	1250	1270	1220	1210	
02	1041	1007	960	929	892	871	870	845	831	813	849	
258	3110	2894	2704	2591	2465	2424	2274	2162	2050	1944	1869	
579	2380	2210	2055	2047	1881	1789	1743	1716	1640	1574	1514	
551	1566	1585	1272	1111	1283	1265	1192	1118	1054	1241	1327	
863	888	835	770	762	747	746	729	747	741	743	753	
860	1333	1270	1243	1180	1119	1109	1116	1140	1042	1046	962	
086	1840	2042	1872	1694	1812	1677	1600	1436	1345	1389	1354	
838	1891	1776	1739	1662	1599	1575	1450	1421	1442	1370	1347	
191	2148	2125	1893	1950	2277	1986	1790	1772	1538	1484	1462	
544	544	544	544	544	544	520	500	470	450	430	425	
793	1619	1735	2095	1675	1532	1380	1410	1433	1233	1350	1258	
600	542	497	494	493	485	465	459	442	429	429	429	
887	2756	2365	2375	2078	2232	1979	2061	1834	1808	1930	1649	
567	1475	1455	1421	1390	1300	1244	1243	1236	1222	1223	1144	
092	1078	1060	981	987	949	923	875	845	846	811	804	49,144
987	965	989	950	928	888	841	855	823	822	774	722	59,617
516	496	455	450	435	423	418	405	406	389	384	406	17,335
203	1820	1761	1717	1618	1507	1404	1412	1324	1328	1243	1152	71,149
113	1059	1017	1028	996	985	945	913	888	886	881	879	49,805
524	512	463	496	478	461	440	421	413	427	427	441	18,626
214	1149	1144	1103	1073	1021	993	1015	988	960	943	946	48,667
144	1092	1113	1103	1098	1100	1076	1068	1062	966	880	837	41,279
61	801	781	779	732	729	710	705	683	640	622	597	30,410
64	2223	2109	1931	1925	1773	1805	1736	1646	1725	1697	1484	100,383
83	772	770	771	795	778	690	669	648	670	659	630	30,440
86	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	2360	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	825	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	24	25
070	1070	1070	1070	1010	1010	950	950	950	950	890	890	890	890
350	1280	1210	1210	1210	1210	1070	1070	1010	1010	950	1010	1010	950
180	1120	1120	1120	1060	990	990	925	925	860	795	860	860	860
806	806	806	721	721	550	550	721	721	721	721	550	550	550
940	1760	1700	1700	1700	1700	1580	1520	1580	1700	1820	1820	1700	1580
855	870	880	845	830	845	830	822	830	822	822	855	880	905
830	818	830	800	830	818	800	800	818	830	830	800	800	740
830	865	879	886	865	830	830	830	795	795	774	760	760	750
828	790	790	790	768	828	752	752	715	715	715	715	715	715
120	1120	1120	1100	1070	1100	1070	1100	1070	1160	1160	1160	840	840
50	650	625	625	625	625	625	625	600	600	580	580	580	580
750	810	840	810	750	750	725	675	700	700	750	845	920	880
640	1600	1520	1480	1440	1400	1360	1320	1320	1280	1210	1280	1320	1400
050	930	960	1220	1050	1080	990	990	960	990	990	1020	990	900
070	1030	1000	960	930	950	920	920	950	850	820	790	790	820
890	890	890	890	890	890	890	870	860	830	850	830	830	830
260	1200	1200	1160	1130	1130	1100	1100	1100	1070	1070	1070	1070	1040
300	1300	1250	1230	1230	1160	1160	1160	1160	1160	1100	1040	1040	1040
380	1380	1310	1310	1310	1230	1160	1160	1160	1160	1020	1020	1020	1020
000	937	937	937	873	873	873	873	873	873	812	812	806	800
679	651	640	636	640	618	577	582	588	582	578	579	598	620
294	1264	1239	1207	1198	1251	1277	1390	1287	1234	1187	1138	1081	1055
035	1008	997	971	969	1010	1093	1076	1007	967	925	905	881	849
830	814	895	875	964	1064	1021	981	893	820	700	809	925	848
628	670	667	624	621	585	593	563	556	546	537	543	522	494
645	621	578	553	571	579	595	558	526	480	504	553	624	620
328	1109	1069	1074	996	975	998	928	802	906	762	879	619	748
074	1003	980	989	926	961	943	987	935	910	883	862	827	804
182	1091	1055	854	1103	1030	898	829	1027	1612	1212	1070	1135	684
392	386	366	376	376	370	370	370	413	461	431	415	401	387
982	1177	1208	1278	1096	1073	974	1004	1023	908	901	817	802	874
509	516	509	496	479	465	460	528	642	674	644	570	514	503
166	1197	1234	1336	1420	1381	1326	1278	1217	1165	1068	1055	980	965
796	793	773	784	782	768	740	744	751	727	739	694	674	671
638	601	564	522	501	479	446	488	503	506	532	517	511	496
925	922	929	893	904	802	771	745	733	730	700	597	567	546
355	360	360	360	360	360	360	360	360	360	360	349	349	347
905	898	835	846	827	778	769	719	683	621	626	656	700	718
670	606	576	566	577	602	583	576	539	517	490	523	540	553
852	367	385	393	380	380	372	356	357	356	343	342	350	35
627	594	568	568	561	553	511	590	579	581	571	543	508	48
758	811	855	910	878	768	706	630	570	593	593	595	604	60
460	437	385	365	350	346	359	383	375	358	350	333	336	337
122	1086	1056	1065	1086	1091	1065	1041	1011	1010	1046	1044	1048	1036
493	499	502	493	466	416	380	394	364	353	365	378	370	378
509	468	470	498	461	454	433	416	415	443	457	424	456	438

CHART 20

22	23	24	25	26	27	28	29	30	31	TOTAL
90	890	890	890	890	890	950	890	890	890	
50	1010	1010	950	1010	950	1010	1010	1070	1210	
95	860	860	860	990	990	990	990	990	860	
21	550	550	550	550	550	550	550	636	550	
20	1820	1700	1580	1460	1400	1220	1220	1100	1100	
22	855	880	905	870	855	855	822	830	830	
330	800	800	740	770	740	788	770	800	770	
774	760	760	750	728	728	728	695	695	708	
715	715	715	715	752	790	865	905	828	790	
160	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	
210	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
626	656	700	718	687	675	675	719	784	814	26,106
490	523	540	553	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	494	515	520	527	19,511
593	595	604	605	603	605	592	592	547	596	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	13
1895	830	830	830	890	890	890	890	890	890	950	1070	1070	1070
1896	1210	1210	1070	1010	950	950	950	890	890	890	950	950	890
1897	860	990	990	990	1120	1120	1120	990	990	1120	1120	7120	1250
1898	550	550	636	636	636	636	636	636	636	721	721	721	721
1899	1340	1340	1340	1340	1280	1220	1220	1220	1220	1220	1220	1100	1100
1900	810	810	802	810	930	990	905	855	855	870	965	822	822
1901	770	770	770	830	830	800	800	800	800	770	770	770	740
1902	728	728	695	695	665	665	653	635	635	665	695	665	635
1903	828	752	715	715	715	715	715	715	715	715	715	828	945
1904	840	622	622	622	622	622	280	280	280	280	840	840	840
1905	560	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	780
1907	1210	1240	1240	1280	1210	1240	1180	1100	1070	1040	1070	1100	1070
1908	870	840	810	810	782	810	840	990	930	870	900	930	900
1909	1020	1170	1250	750	1050	1170	1170	1090	1010	940	970	970	1000
1910	850	850	850	850	830	850	830	830	810	810	780	780	780
1911	993	969	969	969	993	1020	1070	1070	1070	1020	993	993	969
1912	1040	1100	1040	1230	1300	1160	1160	1160	1160	1100	1040	1160	1160
1913	956	892	956	956	892	892	892	892	956	1160	1020	956	892
1914	718	817	718	718	718	718	718	718	718	718	718	718	836
1915	678	868	753	675	660	653	646	619	624	627	632	609	679
1916	976	944	940	969	962	944	933	916	929	1025	1006	988	957
1917	781	766	783	754	741	731	725	713	698	683	694	701	705
1918	752	718	858	725	659	520	623	619	655	878	1037	1044	856
1919	502	493	503	511	511	500	504	524	542	546	523	495	470
1920	684	653	657	590	517	473	464	519	544	555	565	588	528
1921	756	718	733	730	774	842	721	686	726	680	693	632	749
1922	940	969	947	927	905	865	845	823	807	801	797	793	767
1923	832	859	770	817	766	797	714	631	716	685	679	628	753
1924	386	381	381	390	377	395	390	391	385	394	395	380	386
1925	743	736	669	658	544	686	825	1055	950	903	805	796	916
1926	518	524	515	497	491	475	476	466	469	463	456	449	451
1927	885	890	867	878	889	855	813	755	783	817	830	971	1010
1928	672	642	652	626	593	621	615	626	639	657	676	691	761
1929	594	584	554	520	519	524	526	526	541	587	566	557	545
1930	551	549	533	533	500	500	500	500	541	537	549	622	679
1931	342	342	342	332	331	333	322	322	335	340	365	365	379
1932	828	840	815	803	777	719	693	673	655	681	668	723	760
1933	675	672	630	580	570	565	584	569	578	557	589	574	553
1934	424	442	427	408	374	363	370	376	383	380	377	399	409
1935	498	482	456	482	513	543	559	524	519	515	505	496	482
1936	602	629	671	681	734	842	879	878	830	724	675	658	631
1937	447	468	450	430	431	411	445	468	436	417	420	391	402
1938	882	901	872	886	855	821	819	809	837	831	835	807	796
1939	433	435	437	436	447	456	462	470	477	476	482	476	517
1940	408	423	439	469	796	651	674	625	642	648	603	576	562

SEPTEMBER

	12	13	14	15	16	17	18	19	20	21	22	23	24
70	1070	1070	1070	1140	1140	1070	1010	950	1010	950	950	950	950
50	950	890	950	950	950	890	890	830	890	890	830	890	1010
0	7120	1250	1250	1120	1120	1120	990	990	990	1120	1120	1120	1120
1	721	721	721	721	721	721	636	550	550	550	550	721	636
0	1100	1100	1100	1220	1220	1160	1100	1100	1100	1100	1050	1050	1050
5	822	822	870	830	810	822	830	870	855	845	830	845	830
0	770	740	770	770	800	770	800	770	770	830	860	920	990
5	665	635	665	695	665	635	665	695	695	695	695	695	695
5	828	945	945	945	905	828	790	715	715	715	752	730	715
0	840	840	890	890	840	840	750	795	750	840	750	840	840
0	560	560	560	560	560	560	580	580	580	580	580	580	580
5	675	780	810	750	725	700	700	625	675	650	625	625	625
0	1100	1070	1040	1040	1000	1000	965	1000	965	930	965	930	930
0	930	900	870	840	930	990	1260	1120	1020	990	960	930	930
0	970	1000	910	870	840	840	840	810	840	780	790	850	850
0	780	780	810	965	1100	1380	1230	1230	1100	1040	990	940	940
03	993	969	969	947	947	969	969	969	993	993	993	993	993
0	1160	1160	1160	1100	1100	1100	1160	1160	1100	1040	1040	1040	1040
0	956	892	892	830	830	830	892	892	886	880	873	1000	867
8	718	836	836	1030	1170	1100	1100	1100	1030	1100	1030	963	963
2	609	679	632	656	665	648	630	631	607	607	597	594	596
6	988	957	925	917	905	880	855	843	843	856	831	821	814
7	701	705	765	772	736	715	699	679	667	647	655	720	951
7	1044	856	912	900	1008	927	948	936	1527	817	791	822	804
8	495	470	464	491	523	581	736	797	739	712	506	624	616
6	588	528	570	620	725	708	673	749	638	630	630	648	733
7	632	749	867	947	767	717	751	839	883	1037	1109	1031	901
7	793	767	756	735	715	715	715	745	785	756	756	756	783
9	628	753	645	701	697	652	598	640	638	645	639	652	670
5	390	386	392	399	388	388	387	402	434	455	569	459	454
5	796	916	769	832	856	833	770	731	768	877	874	747	823
6	449	451	460	461	460	526	521	485	505	598	499	999	499
0	971	1010	1045	1046	1015	1046	976	979	884	886	866	869	995
6	691	761	799	816	815	775	726	690	692	690	691	689	684
6	557	545	506	481	477	477	477	477	494	493	513	518	533
9	622	679	707	730	662	595	578	549	543	526	512	521	563
5	365	379	380	384	380	376	371	379	437	463	442	430	502
8	723	760	760	767	685	711	657	625	625	619	649	647	645
9	574	553	547	517	555	570	588	589	585	564	551	546	557
7	399	405	398	436	444	467	377	378	316	374	378	384	445
5	496	485	484	476	485	495	503	497	493	500	500	490	490
5	658	638	626	628	622	648	644	647	645	654	662	723	720
20	391	402	402	410	405	420	428	417	425	431	443	443	444
35	807	796	759	791	765	754	767	723	726	706	711	707	715
82	476	511	647	627	597	626	620	582	550	584	579	550	550
03	576	562	784	696	694	659	647	680	820	851	725	749	713

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
010	950	950	950	950	1010	1010	950	950	950	950		
890	890	830	890	1010	1070	1040	1010	1010	950	890		
990	1120	1120	1120	1120	1120	860	860	860	860	860		
550	550	550	721	636	721	636	636	636	721	721		
700	1100	1050	1050	1050	1050	986	986	986	986	986		
855	845	830	845	830	855	870	888	880	870	880		
770	830	860	920	990	990	976	976	890	890	860		
695	695	695	695	695	695	695	695	695	695	728		
715	715	752	730	715	715	715	715	828	828	828		
750	840	750	840	840	840	840	930	930	930	930		
580	580	580	580	580	600	600	625	625	650	650		
675	650	625	625	625	625	625	625	625	625	625		
965	930	965	930	930	900	900	810	870	870	870		
1020	990	960	930	930	930	960	990	930	930	900		
840	780	790	850	850	880	850	850	920	1070	1230		
770	1040	990	940	940	965	965	965	965	965	965		
993	993	993	993	993	993	993	993	993	993	1020		
1100	1040	1040	1040	1040	1040	1040	1040	1040	1040	990		
886	880	873	1000	867	867	918	855	849	842	836		
1030	1100	1030	963	963	963	898	898	898	898	898		
607	607	597	594	596	592	600	839	772	708	689		
843	856	831	821	814	814	814	820	808	809	819		
667	647	655	720	829	829	773	739	719	690	744		
1527	817	791	822	834	834	911	889	841	825	835		
739	712	506	624	616	619	614	609	599	592	586		
638	630	630	648	733	801	851	841	824	815	824		
883	1037	1108	1031	901	933	942	934	855	885	856		
785	756	756	756	783	762	762	849	752	769	790		
638	645	639	652	670	581	691	875	925	843	735		
434	455	568	458	454	463	531	521	517	508	495		
768	877	874	747	823	771	833	744	811	766	662		
505	598	499	499	499	509	502	521	521	510	520		
884	886	866	869	895	877	962	946	1011	1094	1296		
692	690	691	689	684	684	684	684	684	684	684		
494	493	513	518	533	570	562	652	602	629	630		
543	526	512	521	563	617	640	643	627	626	627		16,244
												17,360
437	463	442	430	502	574	535	503	488	470	460		12,023
625	619	648	647	645	651	640	634	660	644	630		20,873
585	564	551	546	557	577	611	667	698	694	666		17,778
376	374	378	384	445	462	469	484	493	500	490		12,483
493	500	500	490	490	507	507	507	495	510	510		15,026
645	654	662	713	720	721	649	610	615	606	617		20,468
425	431	443	443	444	450	452	452	447	445	449		12,979
726	706	711	707	715	684	686	687	687	710	733		23,262
550	584	579	550	550	530	579	509	481	444	422		15,404
820	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	673	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	856	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	903	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

11	12	13	14	15	16	17	18	19	20	21	22	23
950	950	950	950	890	890	890	890	950	950	890	890	890
890	830	830	830	890	830	830	890	890	830	830	890	890
1060	1120	1120	1060	1060	1060	990	990	1060	925	990	990	990
978	892	892	978	892	892	892	892	892	892	892	892	978
1050	1100	1100	1160	1160	1160	1220	1460	1880	2060	2390	2060	1940
930	930	920	920	905	905	880	905	1020	1020	1360	1190	1410
890	890	890	890	890	878	860	860	860	860	860	878	860
695	695	695	695	695	695	695	695	695	695	695	728	760
1020	1110	1070	1070	1020	945	945	865	865	865	865	865	865
1020	1020	975	930	930	1120	1120	1120	1160	1020	1020	948	930
675	675	675	700	700	730	760	730	700	675	700	730	730
625	650	700	675	625	675	700	725	700	700	700	700	700
900	870	965	1110	965	965	930	930	930	930	930	930	930
840	840	870	900	2580	2030	1470	1330	1220	1260	1400	990	1120
1000	1000	970	930	930	950	950	950	990	1100	1070	1030	990
990	990	990	990	990	990	1020	1130	1040	1020	1020	990	990
1265	1170	1170	1170	1170	1110	1095	1060	1060	1060	1035	1035	1035
1070	1070	1070	1040	1040	1040	1040	1040	1040	1040	1040	990	1070
1080	1080	1150	1220	1080	1020	1080	1020	1020	1020	1080	1080	1020
1100	1030	1030	1030	961	961	961	1170	1410	1330	1410	1410	1330
682	666	695	702	708	700	691	696	687	679	683	680	668
1022	1038	987	964	941	933	934	941	940	919	926	922	902
692	687	690	690	726	775	764	772	714	779	791	760	778
1095	1049	1024	980	968	1009	1127	1245	1186	1102	1088	1153	1015
774	763	719	749	723	750	784	813	768	727	742	727	725
1048	1180	1288	1203	1230	1215	1190	1079	1037	1088	1038	1035	990
1002	908	835	786	728	645	750	1022	934	972	921	908	912
757	778	835	880	831	803	794	773	794	796	796	800	1155
1001	945	912	827	804	861	973	1019	1010	943	973	973	1402
610	621	596	584	590	586	549	596	565	603	563	557	561
808	1069	1220	1147	1030	1179	1076	928	990	943	861	919	835
528	556	540	523	560	571	569	591	524	562	592	570	571
1100	1048	941	927	1071	923	925	953	874	1077	708	864	1036
811	811	860	850	840	846	840	819	771	800	674	943	800
600	598	697	688	798	669	662	720	663	670	645	644	631
1028	1058	826	877	806	785	748	654	693	638	688	734	917
465	456	444	446	437	456	506	501	478	488	518	508	573
741	734	715	708	714	686	695	907	892	698	879	627	705
953	787	729	599	761	833	592	591	587	597	609	595	610
556	515	451	378	539	550	556	554	560	566	575	619	717
516	532	535	541	534	474	521	577	581	554	556	481	636
573	556	746	641	585	654	631	630	638	656	618	728	640
516	509	494	491	491	520	887	1130	924	730	680	634	624
952	865	979	924	906	1155	1261	1207	1142	1082	1067	996	956
658	661	663	618	602	628	622	614	602	619	656	627	629
738	791	764	720	783	667	728	730	682	710	757	695	685

Chart 21

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
950	890	890	890	950	950	950	890	890	890	890	920	
830	830	890	890	890	830	830	950	950	950	830	1010	
925	990	990	990	1120	1250	1250	1120	1060	1060	1060	1060	
892	892	892	978	978	892	892	978	978	978	978	978	
2060	2390	2060	1940	1820	1580	1460	1460	1460	1460	1460	1340	
1020	1360	1190	1410	1230	1120	1120	1120	1070	1080	1050	1050	
860	860	878	860	860	860	860	860	955	990	920	920	
695	695	728	760	830	900	900	865	830	795	760	760	
865	865	865	865	865	842	790	790	828	842	842	828	
1020	1020	948	930	930	930	930	975	830	930	930	930	
675	700	730	730	760	790	760	730	730	730	730	730	
700	700	700	700	700	700	700	700	725	725	725	725	
930	930	930	930	930	900	900	900	965	965	965	1040	
1260	1400	990	1120	1080	1080	1080	1080	1080	1080	1080	1080	
1100	1070	1030	990	990	990	990	950	990	1030	990	1110	
1020	1020	990	990	990	965	965	965	940	940	940	940	
1060	1035	1035	1035	1035	1060	1060	1060	1035	1010	990	1010	
1040	1040	990	1070	1100	1040	1040	1100	1300	1265	1195	1100	
1020	1080	1080	1020	1020	1020	1020	1020	1020	950	950	950	
1330	1410	1410	1330	1230	1230	1190	1190	1190	1100	1100	1170	
679	683	680	668	681	690	707	708	695	693	700	653	
919	926	922	902	898	934	936	936	939	922	921	920	
779	791	760	778	774	789	800	805	785	789	643	878	
1102	1088	1153	1015	984	985	969	930	1017	1098	1169	1151	
727	742	727	725	718	750	717	694	653	661	678	705	
1088	1038	1035	990	980	956	925	928	933	935	800	795	
972	921	908	912	821	904	869	958	1057	923	993	922	
796	796	800	1155	1017	984	1063	992	906	1058	719	793	
943	973	973	1402	1287	1064	1033	1005	968	977	908	925	
603	563	557	561	540	550	538	544	683	1314	1303	1141	
943	861	919	835	838	827	900	865	798	833	977	894	
562	592	570	571	523	587	570	565	664	691	610	612	
1077	708	864	1036	1104	1009	1098	1381	1543	1445	1157	1386	
800	674	943	800	779	718	760	794	780	870	900	1012	24,926
670	645	644	631	631	631	631	635	637	689	648	650	19,678
638	688	734	917	771	803	842	815	729	821	746	781	27,256
488	518	508	573	639	639	637	654	602	556	596	591	15,712
698	879	627	705	1101	781	682	752	760	723	881	585	19,571
597	609	595	610	616	598	591	580	592	603	650	1186	20,638
566	575	619	717	760	1020	997	877	757	720	697	699	18,529
554	556	481	636	574	585	671	621	548	575	571	575	16,808
656	618	728	640	633	716	696	702	757	672	656	696	19,886
730	680	634	624	612	602	521	570	598	576	563	593	18,113
1082	1067	996	956	910	932	852	877	951	906	906	972	30,313
619	656	627	629	699	639	632	631	583	503	852	533	19,586
710	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
1895	950	950	950	950	890	890	720	890	950	950	950	950
1896												
1897	1060			990				990			1060	
1898	978	978	1060	1060	978	978	978	978	978	978	978	721
1899	1340	1340	1220	1340	1340	1340	1340	1460	1400	1340	1520	1760
1900	1120	1120	1120	1120	1120	1120	1050	1050	1050	1020	990	960
1901	920	920	920	890	920	920	890	890	890	890	890	848
1902	760	760	760	760	795	850	900	984	1000	1000	1040	1040
1903								828		828		
1904												
1905	730	700	700	675	675	650	650	675	700	675	675	675
1906	750	750	750	750	780	780	810	810	845	880	880	810
1907	1040	1000	965	965	930	900	930	930	900	900	870	840
1908	1120	1120	1120	1080	990	990	990	1020	990	990	990	1020
1909	1190	1360	1360	1360	1310	1270	1270	1110	1150	1230	1390	1230
1910	940	940	940	940	915	890	965	990	1160	1160	1230	1730
1911	1010	1010	990	1010	1060	1085	1085	1110	1230	1170	1060	930
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
1914	1170	1100	1100	1100	1100	1100	1030	1030	1030	961	961	961
1915	662	668	670	672	673	664	684	695	712	701	684	725
1916	922	918	916	906	899	913	901	873	883	905	854	733
1917	932	773	924	887	795	896	786	786	792	780	786	774
1918	1210	1166	1148	1056	1053	1032	1026	977	980	967	964	932
1919	758	843	1035	1247	1430	1485	1424	1237	1054	964	931	906
1920	779	877	869	869	886	886	888	907	921	895	824	787
1921	925	925	830	876	884	886	869	869	920	898	803	874
1922	865	924	830	794	764	734	769	869	1000	914	962	944
1923	904	890	933	837	903	899	876	855	866	884	895	827
1924	1017	1180	937	902	1000	987	806	839	619	775	912	875
1925	767	777	952	828	684	776	671	797	826	829	1072	920
1926	525	552	556	523	568	528	681	709	709	595	695	907
1927	1131	1031	1132	1021	1235	1083	1309	1533	1649	4067	4329	3186
1928	1003	866	994	887	899	955	961	795	904	875	900	776
1929	653	650	650	577	678	581	655	555	616	561	561	752
1930	700	819	650	822	667	747	753	695	716	801	860	797
1931	515	518	522	526	476	516	526	648	591	646	582	489
1932	678	646	3322	826	764	884	1017	937	959	1148	949	778
1933	1213	993	848	848	729	828	807	803	748	777	780	751
1934	753	761	823	728	687	860	1028	987	1062	872	847	781
1935	498	607	650	606	573	589	648	652	665	696	607	618
1936	731	650	599	488	696	770	730	680	575	620	546	664
1937	582	596	653	629	649	555	541	556	639	664	659	655
1938	1001	1201	1065	1606	2113	1509	1129	1117	1264	1276	1188	890
1939	763	706	660	733	754	711	630	657	663	689	562	647
1940	1063	1136	1416	1253	1222	961	1092	1268	1206	1124	1056	952

- Interpolated

Chart 2J

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
950	950	890	770	770	770	890	950	770	950	1010		
1150	1060	1120			1250				990			
1580	1460	1060	892	892	892	892	892	892	892	978		
960	930	1460	1460	1340	1340	1340	1340	1460	1820	2060		
		960	990	1050	1050	1080	1120	990	930	990		
860	860	920	990	1200	1050	990	1060	990	1020	1120		
900	865	830	865	900	935	970	1040	900	900	935		
1110			2130		1680							
675	675	700	700	700	700	700	700	700	675	675		
1160	1240	1240	1060	960	960	920	920	920	845	810		
870	965	900	930	965	1040	1070	1040	930	930	965		
1050	1120	1190	1080	1080	1020	930	870	755	650	960		
3850	4190	5400	15200	13000	9450	7370	5800	4700	4050	3850		
1130	1340	1600	1830	1730	1640	1380	1100	1230	1300	1300		
1265	1265	1230	1035	970	930	1230	1085	930	810	890		
1220	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		
1007	1002	990	928	882	841	818	711	548	528	564		
2402	2470	2246	1900	1627	1478	1384	1650	1568	1511	1385		
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	13
1895	950	950	770	720	720	950	950	950	950	890	1010	1010	1010
1896													
1897													
1898	1060	1060	1060	1060	1580	1920	2260	2770	2600	2600	2600	2600	2600
1899	2060	1700	1520	1280	1220	1220	1340	1340	1460	1580	1580	1460	1460
1900	1050	1050	990	1050	1050	1050	1050	1050	1050	990	990	930	930
1901	1130	2180	2070	2070	1870	1600	1350	1240	1310	1200	1130	1060	920
1902	970	970	1040	1080	970	970	970	970	1040	1270	1290	1190	1000
1903			1200		1110			1020				865	
1904													
1905	675	675	675	650	560	560	520	480	480	450	450	480	520
1906													
1907	930	840	810	870	930	965	1000	1100	965	900	1000	1000	1040
1908	990	930	990	1050	990	930	930	990	990	960	900	920	1020
1909	3460	3200	2660	2540	2480	2370	2370	2370	2840	2480	2100	2150	2200
1910	1300	1300	1340	2140	1680	1460	1380	1340	1400	1380	1380	1460	1160
1911	1060	1035	990	1085	1110	1170	1140	1085	1110	1100	1085	1060	1085
1912													
1913	1150	950	950	950	950	950	950	886	824	824	1020	1080	1080
1914	898	783	898	1100	1030	961	783	731	683	638	783	961	731
1915	869	812	947	1000	1103	985	949	918	892	843	790	784	757
1916	747	982	1088	1185	1117	1034	901	698	493	859	949	976	1089
1917	2121	1942	1323	915	885	972	1042	827	985	1022	917	909	1179
1918	829	842	896	927	955	1092	1090	1084	926	901	807	723	774
1919	829	989	1058	918	835	852	836	786	733	628	673	752	829
1920	1236	1260	1249	1211	1168	1011	951	817	872	1019	1222	1225	1170
1921	3353	3890	2723	1816	1582	1435	1470	1310	1218	1350	1360	1552	1372
1922	709	688	650	716	649	1000	662	821	784	612	670	655	674
1923	991	710	685	646	662	798	999	1103	819	615	486	524	702
1924	680	847	950	936	793	796	798	751	772	647	672	754	835
1925	967	1522	2346	1549	1348	1231	1128	1042	937	926	888	999	1017
1926	3325	2469	2521	2703	2522	2191	2020	1506	1174	1240	1088	1471	1312
1927	2467	2453	2444	2461	1923	2290	1746	1702	1347	1789	1804	1534	1660
1928	540	736	444	872	404	619	634	685	813	857	968	974	849
1929	686	719	640	575	609	732	688	696	686	941	2221	1670	1818
1930	678	749	842	975	938	911	835	685	604	575	752	920	893
1931	380	445	563	635	610	462	582	513	572	431	416	532	479
1932	729	763	841	828	819	632	562	613	426	366	290	300	304
1933	765	690	740	805	802	652	809	837	767	781	795	821	902
1934	814	823	778	850	869	814	793	608	726	668	602	586	688
1935	444	399	403	424	575	679	729	656	811	725	657	833	808
1936	581	578	614	581	518	513	779	818	801	654	530	534	659
1937	630	675	643	684	619	641	692	404	734	596	2998	10641	7374
1938	1175	1202	1238	1280	1113	1188	1097	1113	1283	1248	1043	903	468
1939	534	617	592	592	586	575	715	644	640	934	1197	1096	876
1940	1136	1045	1008	900	953	949	945	980	871	877	706	476	391

DECEMBER

11	12	13	14	15	16	17	18	19	20	21	22	23
1010	1010	1010	770	830	670	620	620	620	620	620	670	670
2600	2600	2600	2430	2430	2770	2770	2770	2770	2770	2770	2600	2600
1580	1460	1460	1460	1340	1340	1580	1580	1820	1820	1580	1580	1580
990	930	930	990	1050	1050	1120	1050	1050	1050	1460	1360	1120
1130	1060	920	830	1060	955	990	1020	1020	920	890	1080	1200
1290	1190	1000	830	695	695	695	747	1040	1080	1100	1120	1190
	865				850			945			945	
450	480	520	600	675	940	940	940	880	820	790	560	520
1000	1000	1040	1000	900							1180	1180
900	920	1020	810	650								1050
2100	2150	2200	2050	1850	1800	1660	1660	1700	1480	1390	1570	1700
1380	1460	1160	990	990	1020	1160	1100	1100	1070	1100	1160	1160
1085	1060	1085	970	990	1085	1085	950	870	910	930	860	1010
1020	1080	1080	1220	1080	950	824	1020	1080	886	824	824	1080
783	961	731	638	559	559	559				600		
790	784	757	884	765	574	641	854	704	739	946	1102	1157
949	976	1089	976	760	658	763	876	1162	885	992	989	897
917	909	1179	1640	1553	1192	1191	1529	1633	1737	1627	2038	1737
807	723	774	838	947	895	787	717	617	664	712	745	757
673	752	829	966	601	539	588	638	757	903	986	1126	1160
1222	1225	1170	1019	905	745	802	894	1097	1134	1117	1042	950
1360	1552	1372	1431	1350	1136	978	521	1184	1124	1295	1175	1163
670	655	674	666	527	873	706	655	1010	1118	974	954	790
486	524	702	812	1089	1009	968	848	911	972	963	799	635
672	754	835	837	833	727	775	639	458	434	420	422	425
888	999	1017	915	914	915	1016	940	1031	906	916	904	923
1088	1471	1312	1044	591	755	1171	1291	1296	989	1051	815	794
1804	1534	1660	1634	1619	1253	1635	1385	1164	971	1087	950	1548
968	974	849	913	839	843	791	591	647	586	599	615	606
2221	1670	1818	2649	1613	1827	2297	1692	1250	1271	1838	1047	1076
752	920	893	888	725	671	819	701	715	730	570	493	505
416	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	698	910	1112	800	788	799	804	862	989	1017	1008
657	833	808	739	611	388	339	350	363	359	550	578	490
530	534	659	553	701	851	822	785	720	742	756	710	755
2998	10641	7374	4097	2945	2697	2301	1926	1760	1389	1226	1161	1291
1043	903	468	589	791	1146	1053	790	984	1010	932	928	752
1197	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

	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
20	620	620	670	670	770	850	950	950	770	815	860	905	
70	2770	2770	2600	2600	2600	2600	2940	3290	3290	2940	2940	2770	
20	1820	1580	1580	1580	1820	1580	1580	1580	1820	1820	1580	1820	
50	1050	1460	1360	1120	1050	1120	1050	1050	930	880	930	990	
20	920	890	1080	1200	1430	1350	1200	1130	1130	955	890	1020	
40	1080	1100	1120	1190	1190	1270	1230	1270	1120	1040	605	1000	
45			945			752			790			790	
30	820	790	560	520	520	580	625	625	760	820	760	675	
			1180	1180	1180	1240	1180	1360	1180	1140	1000	1100	
			1050	1080	1080	930	930	1050	1120	990	930	755	
0	1480	1390	1570	1700	1660	1660	1750	1570	1390	1370	1390	1570	
0	1070	1100	1160	1160	1300	1100	990	990	1040	1100	1100	1160	
0	910	930	850	1010	1010	930	950	930	1035	1060	1035	1035	
0	886	824	824	1080	950	1080	1150	1020	1020	950	1020	1150	
		600					650			826			
4	739	946	1102	1157	1079	955	825	728	837	849	676	719	
2	885	992	989	897	883	873	679	663	669	679	671	656	
3	1737	1627	2038	1737	2965	2871	2416	3536	5050	6972	5420	4150	
7	664	712	745	757	670	660	628	640	637	617	588	595	
7	903	986	1126	1160	1199	1016	955	927	998	872	815	741	
7	1134	1117	1042	950	909	890	936	956	982	1074	1359	2331	
4	1124	1295	1175	1163	1220	1106	1109	1194	1191	1127	1177	1067	
0	1118	974	954	790	804	1052	1085	1172	1246	1361	1017	1136	
1	972	963	799	635	608	902	979	879	947	898	1008	776	
8	434	420	422	425	421	539	515	507	663	753	975	882	
1	906	916	904	923	1016	1026	882	859	765	682	639	607	
6	989	1051	815	794	906	869	844	840	928	838	911	920	
4	971	1087	950	1548	1345	1255	1147	1144	1173	1490	1373	1120	
7	586	599	615	606	706	645	995	837	964	1043	889	792	23,106
0	1271	1838	1047	1076	1012	971	917	843	732	729	625	704	34,774
5	730	570	493	505	552	533	509	760	666	634	613	613	22,054
20	621	762	745	718	718	694	726	751	837	750	620	557	18,188
46	832	851	496	750	690	1081	929	761	822	780	825	756	20,298
01	886	976	972	943	996	998	1106	1241	1215	1121	1110	1322	27,826
24	862	989	1017	1008	928	946	897	926	965	813	750	677	25,604
63	359	550	578	490	570	698	737	798	805	805	686	743	18,676
0	742	756	710	755	663	723	728	698	667	478	670	596	20,778
0	1389	1226	1161	1291	1288	1111	1319	1328	1174	1172	1097	1187	57,880
4	1010	932	928	752	1038	948	866	764	885	985	985	693	30,490
1	945	891	833	770	715	685	552	552	659	697	778	918	24,634
8	1122	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	879	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	2563	2013	2128	1723	1881	1631	1219	1544	1282	1045	1240	920	878
1941	817	843	852	957	831	879	1140	1215	1100	1102	1244	1435	1469
1942	1198	1073	1400	1427	1432	1446	1326	1382	1271	1261	1285	1152	1118
1943	1859	1804	1921	1657	1557	1675	1571	1797	1817	1522	1569	1359	1648
1944	764	878	1096	809	1046	1165	1032	1020	1159	1270	791	785	773
1945	799	1012	1467	1371	1010	1077	1048	1210	2213	1737	1486	1353	1599
1946	1093	1162	1061	1049	1186	986	1102	1004	914	891	1028	1132	941
1941	1678	1898	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372
1942	873	1003	1035	1138	1018	1122	1054	1177	1115	1308	1403	1593	1652
1943	3068	2982	2899	3025	3099	2745	2569	2684	2919	2526	2520	2460	2525
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174
1945	903	1024	1056	1012	818	794	816	870	968	1016	1035	1076	1426
1946	1733	1580	1379	1595	1565	1948	1997	2033	2090	2342	2900	3811	4148
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
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	5904	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
1941	5876	5273	4713	4985	5028	4885	5212	6341	5866	5148	4826	4982	5120
1942	6271	5752	5626	5932	6318	6766	8006	9385	9868	9502	8497	7225	6400
1943	15507	14754	12962	11286	10258	8909	8350	8004	7816	8370	9666	10493	11513
1944	5791	5553	5041	4788	4389	4168	4099	4084	4582	4943	4477	4254	4137
1945	7248	7584	8171	8810	8477	7996	7594	7816	6873	8299	7485	6911	6696
1946	7950	7533	7764	9114	10131	9775	8965	8249	7785	7505	7573	6965	6209

NATURAL FLOW OF BOISE RIVER
BEGINNING 1941

11	12	13	14	15	16	17	18	19	20	21	22	23	24
JANUARY													
761	699	622	926	1076	929	927	878	884	888	890	886	884	917
052	1051	841	946	946	621	731	1306	866	756	866	748	976	1119
554	1337	1344	1519	1550	1636	1300	1100	1315	2010	2179	3728	4603	4259
674	676	684	688	962	934	945	1042	827	824	822	722	730	940
035	899	902	1300	1461	1305	1169	1052	1034	1035	704	830	739	663
240	920	878	1057	983	866	1214	1246	1157	1111	940	1164	1117	1362
FEBRUARY													
244	1435	1469	1238	1123	1163	1093	994	1041	1151	1069	1093	1369	1529
285	1152	1118	861	997	1179	1011	892	739	753	806	1477	1051	1150
569	1359	1648	1445	1646	1758	1771	1961	1944	2154	2462	2739	3419	3440
751	785	773	785	906	1053	867	858	979	842	847	622	916	794
486	1353	1599	3131	2857	2051	1874	1550	1396	1329	1302	1115	1086	1077
028	1132	941	961	1074	1366	1281	1232	956	1237	1239	1219	1257	1287
MARCH													
648	1770	1372	1495	1480	1318	1384	1712	1967	1942	1942	1842	1922	1803
403	1593	1652	1860	1479	1688	1527	1468	1432	1411	1414	1442	1305	1575
520	2460	2525	3825	3899	3451	3161	2860	2606	2820	2026	2818	2119	2521
191	1182	1174	1248	1012	681	1196	1442	1446	1399	1366	1122	1135	1463
035	1076	1426	1746	1707	1520	1403	1519	1304	1172	1532	2260	2813	2856
900	3811	4148	4131	3566	217	2843	2526	2803	4144	5164	5371	5061	5103
APRIL													
468	3201	3339	3509	3396	3665	3394	3243	2963	2670	2387	2370	2452	2699
081	7073	8215	8731	9411	8204	6527	6620	6098	5858	6528	7779	8562	7355
138	16191	18504	20265	21625	22310	23229	25040	23312	22450	18721	17930	15208	15482
376	3092	3326	2841	2721	2302	2377	2310	2015	2274	2185	2348	2613	2821
057	2075	2045	1985	2296	2082	2706	2855	3445	4460	6135	7701	6650	6101
218	5919	7596	10219	12352	13581	14780	17389	18812	18660	15103	13559	11548	11850
MAY													
4367	5127	7386	8408	7496	6193	5543	5536	5708	5101	4809	4875	5676	6643
4477	4364	4144	4097	4044	4151	4023	3815	3906	3693	4044	4664	6595	9166
9610	9272	8431	8266	7851	7404	7311	7009	6906	7316	8041	8851	10237	12494
8134	5178	5509	6077	7059	7632	7270	6542	5688	5076	4361	4248	4142	3824
0487	9101	8230	8448	7555	6677	7216	7208	6601	5903	5382	5033	4993	5600
0582	10286	9306	9563	9170	9087	9507	10011	10750	10746	10134	9995	10297	9414
JUNE													
4826	4982	5120	5417	5474	5217	4718	4390	4612	4450	4067	3541	3436	3300
8497	7225	6400	6171	6105	6822	6402	5525	5420	5117	4791	4453	4427	4650
9666	10493	11513	11171	10305	10063	9048	9978	11871	12584	11249	10070	10859	10635
4477	4254	4137	4007	4063	4095	4112	3762	3506	3582	3888	3933	3924	3006
7485	6911	6696	6727	6164	5678	5343	5416	5806	6460	7091	7389	7317	7137
7573	6965	6209	6199	6482	6365	5913	5539	5244	5054	5103	5241	4827	5035

Chart # 2-I

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
888	890	886	884	917	1030	1215	1172	942	811	808	911	27,130
756	866	748	976	1119	1265	1511	1172	1323	1489	1388	1281	31,091
2010	2179	3728	4603	4259	3563	3199	2987	2703	2505	2250	2006	76,595
824	822	722	730	940	827	828	823	733	748	744	752	24,706
035	704	830	739	663	816	806	737	774	772	684	876	28,135
111	940	1164	1117	1362	1209	1045	1073	1104	993	952	1085	39,765
1151	1069	1093	1369	1529	1776	1535	1284	1342				32,684
753	806	1477	1051	1150	952	922	941	1079				31,581
2154	2462	2739	3419	3440	3327	2831	2870	2759				58,282
842	847	622	916	794	919	798	797	954	780			26,305
1329	1302	1115	1006	1077	1051	836	969	1056				40,062
1237	1239	1219	1257	1287	1482	1546	1607	1609				32,902
1942	1942	1842	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,724
1411	1414	1442	1305	1575	1447	1464	1476	1546	1639	1988	2250	43,902
2820	2026	2818	2119	2521	3009	3789	5285	7156	9555	10692	9936	117,569
1399	1366	1122	1135	1463	1179	1149	1154	904	1053	1094	1369	34,047
1172	1532	2260	2813	2856	2541	2242	2530	2320	2510	2290	2501	49,580
4144	5164	5371	5061	5103	4335	3767	4216	5462	6114	6618	5740	109,302
2670	2387	2370	2452	2699	3128	3201	3316	3543	4090	4429		94,150
5858	6528	7779	8562	7355	6099	5718	5033	4620	3317	4353		170,811
2450	18721	17930	15208	15482	14783	13616	12110	11161	14952	13643		503,266
2274	2185	2348	2613	2821	3624	3471	3330	3282	3712	4231		82,000
4460	6135	7701	6650	6101	5125	4326	3792	2729	3768	4622		101,184
8660	15103	13559	11548	11850	13257	15441	16663	15853	14226	13167		319,902
5101	4809	4875	5676	6643	7222	7181	8861	8155	6497	5834	5620	182,668
3693	4044	4664	6595	9166	8745	10608	10690	8987	7899	6931	6560	162,838
7316	8041	8851	10237	12494	14458	14525	16433	15392	15465	16213	16835	361,402
5076	4361	4248	4142	3824	3550	3409	3269	3789	3721	4432	5576	151,604
5903	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
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
2584	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
054	5103	5241	4827	5035	4566	3994	3517	3468	3540	3407		189,412

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
1941	943	873	856	848	786	713	736	738	716	702	682	1339	1262
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
1944	1012	1000	1042	1027	1002	956	859	783	814	790	770	767	687
1945	1093	1020	1077	1025	961	978	949	1246	915	915	970	929	912
1946	1283	1291	1282	1249	1224	1116	1099	1089	1088	963	934	901	896
1941	658	634	632	650	640	655	646	627	643	655	653	642	669
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
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
1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	780
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707
1943	1158	1212	1079	1106	1917	2081	1526	1332	1175	853	1740	1240	1156
1944	952	1196	917	1007	1406	1314	1050	900	847	1011	1148	1039	928
1945	902	1104	715	807	917	860	812	865	785	740	787	1072	819
1946	1,031	1033	929	844	934	947	1063	971	983	972	1028	937	844
1941	943	947	1661	4605	3137	2036	1837	1555	1400	1485	1458	1237	1309
1942	1854	1741	1385	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746
1944	805	808	793	686	667	728	736	746	638	407	342	352	396
1945	972	718	616	866	1056	1008	1091	933	819	456	695	856	664
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1941	3056

NATURAL FLOW OF POISE RIVER
BEGINNING 1941

13	14	15	16	17	18	19	20	21	22	23	24	25	26
JULY													
1213	1239	1233	1251	1217	1219	1147	1113	1090	1041	994	966	947	900
2108	2075	1899	1811	1790	1696	1591	1530	1473	1450	1417	1356	1337	1280
5908	5338	5040	5053	4694	4405	4363	4274	4063	4189	4169	4086	3455	356
1642	1590	1519	1482	1511	1455	1401	1317	1284	1347	1321	1293	1251	125
2555	2355	2179	2136	2081	1791	1789	1709	1623	1644	1504	1535	1447	132
1949	1915	1811	1658	1637	1744	1645	1532	1456	1553	1504	1382	1342	128
AUGUST													
1262	1140	899	839	852	890	1240	962	832	879	800	714	860	77
756	742	745	729	674	688	648	611	596	625	597	623	626	59
1630	1644	1636	1618	1594	1521	1514	1457	1400	1366	1315	1304	1280	127
687	650	649	638	631	634	626	616	581	542	536	547	534	52
912	882	814	799	769	750	759	726	727	710	714	720	679	64
896	354	344	847	814	794	753	730	735	768	302	304	835	86
SEPTEMBER													
669	698	742	747	740	727	686	699	710	726	726	728	728	732
592	624	632	638	623	623	601	620	635	652	666	615	604	572
882	917	926	889	862	817	783	787	758	828	858	840	891	815
517	509	487	455	477	474	547	606	663	707	689	672	658	636
579	594	563	557	578	589	624	630	644	691	829	875	951	962
717	695	654	661	670	725	793	857	893	893	889	892	827	783
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	898	932	865	995	910	995	925	936	1134	1256	1407	1201	1244
NOVEMBER													
780	894	1387	2533	1954	1566	1420	1187	922	936	850	694	863	95
707	842	944	1562	1158	1186	1150	1007	857	703	858	1128	1793	153
1156	1206	1133	1130	1128	967	1087	1141	1106	985	1056	1056	968	105
928	975	860	870	745	682	577	656	681	731	722	699	802	71
819	840	941	957	992	888	936	976	839	675	580	875	1004	95
844	850	944	936	856	947	1115	2186	1660	1484	1320	1706	1608	160
DECEMBER													
1309	1406	1372	1694	1580	1838	1871	2130	2240	2199	1896	1673	1657	13
1225	1116	1111	1041	1189	1052	920	942	994	1293	1140	1395	1644	17
746	746	770	748	759	939	974	1002	1003	1186	1003	943	1056	9
396	406	464	505	765	610	640	866	1052	818	1137	906	839	7
664	571	568	707	645	1040	833	691	898	893	1243	1173	1130	10
056	4053	4709	3950	2413	1771	1870	1845	1792	1550	1306	1384	1439	13

Chart # 2-M

21	22	23	24	25	26	27	28	29	30	31	TOTAL
1090	1041	994	966	947	900	891	1141	1079	1040	920	41,666
1473	1450	1417	1356	1337	1280	1290	1198	1161	1151	1045	68,726
4063	4189	4169	4086	3455	3563	3448	3226	3148	2845	2638	179,799
1284	1347	1321	1293	1251	1259	1179	1149	1118	1029	1024	53,191
1623	1644	1504	1535	1447	1328	1282	1212	1209	1232	1191	69,904
1456	1553	1504	1382	1342	1286	1333	1380	1414	1356	1285	63,597
832	879	800	714	860	776	781	787	749	724	686	26,603
596	625	597	623	626	596	605	568	578	593	603	23,487
1400	1366	1315	1304	1280	1278	1244	1234	1211	1179	1172	51,878
581	542	536	547	534	523	529	518	537	539	503	21,842
727	710	714	720	679	646	623	584	588	590	588	25,658
735	768	802	804	835	861	860	876	874	834	829	29,187
710	726	726	728	728	731	727	711	714	715		20,659
635	652	666	615	604	572	557	575	536	544		17,670
758	828	858	840	891	815	850	874	882	899		28,049
663	707	689	672	658	636	624	630	620	560		17,384
644	691	829	875	951	963	782	675	681	656		19,573
893	893	889	892	827	783	742	681	682	681		22,967
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
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	1320	1706	1608	1603	1713	1457	1522	1676		36,107
2240	2199	1896	1673	1657	1335	1097	917	1411	1620	1873	53,419
994	1293	1140	1395	1644	1707	1173	1131	1851	1679	2620	40,891
1003	1186	1003	943	1056	954	838	628	536	757	994	27,884
1052	818	1137	906	839	783	615	621	588	906	826	21,451
898	893	1243	1173	1130	1000	1206	1505	3667	5249	3587	37,356
1792	1550	1306	1384	1439	1319	1319	1286	1137	948	865	54,696

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

Chart 3

JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1157	1132	1559	3680	6829	8324	4350	1243	773	793	906	1195
1117	1129	1592	3831	6856	8290	4238	1197	777	809	906	1210
1121	1141	1664	3983	6963	8336	4084	1166	766	808	983	1169
1115	1155	1660	4096	7227	8211	3910	1146	751	821	906	1153
1099	1253	1726	4139	7421	8077	3736	1110	747	831	898	1094
1086	1255	1800	4198	7675	8026	3526	1075	746	831	938	1093
1109	1231	1828	4248	7927	8145	3400	1059	734	852	950	1063
1069	1355	1960	4462	8211	8220	3294	1044	727	880	939	1027
1037	1323	2077	4573	8362	8254	5688	1011	729	882	952	976
1037	1265	1976	5132	8534	8234	2985	962	741	874	1006	1001
1018	1229	2004	5384	8274	7999	2820	956	760	873	1029	1038
1017	1188	2104	5662	8159	8031	2768	946	778	858	989	1047
986	1198	2135	6103	8105	8042	2613	923	772	867	956	1053
1029	1173	2147	6355	8190	8013	2506	910	774	860	974	1058
1118	1173	2236	6467	8342	7815	2379	903	783	895	948	976
1165	1249	2418	6640	8445	7783	2247	891	790	880	1072	947
1138	1292	2421	6666	8441	7602	2110	879	783	867	984	1004
1134	1284	2826	6626	8551	7364	2005	852	773	887	1029	964
1182	1288	2890	6580	8351	7179	1917	849	766	893	1007	1032
1211	111	3094	6061	8177	6919	1812	841	771	889	1074	1004
1248	1353	3138	6103	8058	6631	1734	819	762	902	1165	1038
1205	1411	3205	6277	8078	6320	1647	813	750	883	1302	1015
2571	1400	3263	6382	8085	6013	1621	807	758	916	1485	1029
1155	1444	3227	6585	8172	5756	1567	792	770	910	1356	1081
1236	1402	3313	6678	8232	5447	1573	773	778	895	1271	1074
1198	1386	3266	7074	8458	5264	1475	769	775	893	1214	1056
1164	1472	3280	7260	8304	5449	1421	759	762	896	1173	1111
1130	1509	3297	7252	8250	4938	1376	756	781	901	1086	1154
1180	1259	3545	7045	8147	4786	1325	753	783	918	1062	1186
1091		3634	7668	8189	4575	1308	764	784	893	1130	1114
1125		3636		8356		1257	757		914		1102
36128	36060	76921	173210	249363	214043	78692	28525	22964	27071	31110	33064
42256	72120	157842	346420	498726	428086	157384	57050	45928	54142	63420	66128

In acre feet for average year, - 2019502

YEAR	TOTAL MONTHLY						
	October	November	December	January	February	March	April
1894-95	54700(8)	54000	62700	78600	68280	103180	24314
1895-96	57040	54980	50980	73440	67660	157560	29504
1896-97	54220	61300(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	38000
1900-01	63570	61880	65060	79440	98340	179320	30594
1901-02	56464	55892	76400	61300	90440	88920	21144
1902-03	45630	54498	63474	81760	63570	143360	44824
1903-04	58554	67800(7)	57500	124000(1)	108000(1)	262140	67184
1904-05	58980	54000	54000(7)	50400(2)	56700(2)	101900	17620
1905-06	42980	41010	40410	50810	57240	101100	33792
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	67338
1907-08	57890	55978	63300	67230	63282	141130	38254
1908-09	68440	59280	58000	138160	110680	232840	47272
1909-10	63140	200560	124760	79900	66600	566900	60998
1910-11	63210	73780	76820	63010	76340	159570	32396
1911-12	66570	66700	63520	78420	76120	99580	34262
1912-13	66960	67820	60680	53800	51400	101800	37496
1913-14	63524	80180	61380	72196	74968	216040	46904
1914-15	69680	58368	44800	59580	59726	94782	17656
1915-16	42410	45626	53346	49930	63262	197486	55506
1916-17	59106	54016	53702	47628	47694	61740	26708
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	273720
1923-24	61592	52930	51286	48954	72446	63550	136450
1924-25	39218	53862	42912	48416	129386	192378	501862
1925-26	58400	51394	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

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895.

Year	March	April	May	June	July	August	September	TOTAL
1894	103180	243140	395220	225700	152380	63620	58000	1,559,520
1895	157560	295040	555380	1464280	385520	81960	57500	3,301,340
1896	87960	476000(5)	508000(6)	415000(5)	143300	67250	62520	2,045,910
1897	119280	251900	320280	299360	176848	45708	39168	1,482,884
1898	123900	425740	608020	731400	356160	109940	68900	2,915,442
1899	305220	380020	510720	300640	84156	53496	57196	2,177,972
1900	179320	305940	626460	287420	116400	52222	49944	1,985,996
1901	88920	212470	353460	287160	106720	49496	40914	1,478,636
1902	143360	448220	520620	601880	147580	53000	46344	2,269,936
1903	262140	671840	828600	521060	201920	71972	43830	3,017,216
1904	101900	176200	229820	247660	78860	39870	34660	1,183,050
1905	101100	337920	428100	346980	162900	52410	41090	1,702,950
1906	346120	673380	683520	534560	335640	107600	62066	3,207,016
1907	141130	382540	370360	324880	198500	64920	55524	1,845,534
1908	232840	472120	605240	655220	226800	63690	57220	2,747,690
1909	566900	609980	523560	310360	110040	55970	56390	2,758,160
1910	159570	323960	549120	740860	233040	74906	59728	2,494,344
1911	99580	342620	684180	677560	173980	83380	66080	2,478,710
1912	101800	374960	573740	413420	158660	82964	54290	2,060,494
1913	216040	469040	553660	307700	124130	58742	52654	2,133,214
1914	94782	176564	274130	191900	83978	40926	39672	1,194,106
1915	197486	555062	563720	594764	293818	80102	53680	2,593,206
1916	61740	267082	654106	643322	260216	65224	43950	2,257,786
1917	181542	346040	409954	461268	112120	56300	49922	2,032,820
1918	114916	395854	509192	240872	69736	36404	34262	1,674,800
1919	89234	189044	449730	333468	117328	40586	39034	1,548,852
1920	271472	394484	824032	718728	175390	63068	48784	2,905,228
1921	113692	319642	552674	659854	148066	65210	47974	2,160,833
1922	92700	273726	454010	376208	192504	67552	42946	1,766,536
1923	63550	136450	243200	76792	35296	24426	25320	892,242
1924	192378	501862	700486	367370	152598	60730	47302	2,336,520
1925	140448	232672	247704	105072	41132	30872	29480	1,113,374
1926	188084	378928	665294	725602	233700	74786	55734	2,677,270
1927	272846	316812	852194	305656	118292	51462	41304	2,438,946
1928	101904	179094	359418	285896	98288	36822	32488	1,336,000
1929	103616	274178	295246	257382	79234	43256	34720	1,342,541
1930	91246	177172	251538	110862	34670	23156	24046	946,844

F BOISE RIVER - IN ACRE FEET

CHART # 4

S BEGINNING 1894 - 1895.

Year	June	July	August	September	TOTAL	
1890	225700	152380	63620	58000	1,559,520	
1890	1464280	385520	81960	57500	3,301,340	
1890(6)	415000(5)	143300	67250	62520	2,045,910	
1890	299360	116848	45708	39168	1,482,884	(1) Mean of 4 High Years.
1892	731400	356160	109940	68900	2,915,442	(2) Substituted from 1906.
1892	300640	84156	53496	57196	2,177,372	(3) Substituted from 1900.
1896	287420	116400	52222	49944	1,985,996	(4) Missing Days substituted from 1900.
1896	287160	106720	49496	40914	1,478,636	(5) Missing Days substituted from 21 year mean.
1896	601880	147580	53000	46344	2,269,936	(6) Missing months substituted from 21 year mean.
1896	521060	201920	71972	43830	3,017,216	(7) Interpolated
1896	247660	78860	39870	34660	1,183,050	(8) Average of 5 short water years.
1896	346980	162900	52410	41090	1,702,950	
1896	534560	335640	101600	62066	3,207,016	
1896	324880	128500	64920	55524	1,845,534	
1896	655220	226800	63690	57220	2,747,690	
1896	310360	110040	55970	56390	2,758,160	
1896	740860	233040	74906	59728	2,494,344	
1896	677560	173980	83380	66080	2,478,710	
1896	413420	158660	82964	54290	2,060,494	
1896	307700	124130	58742	52654	2,133,214	
1896	191900	83978	40926	39672	1,194,106	
1896	594764	293818	80102	53680	2,593,206	
1896	643322	260216	65224	43950	2,257,786	
1896	461268	112120	56300	49922	2,032,820	
1896	240872	69736	36404	34262	1,674,800	
1896	333468	117328	40586	39034	1,548,852	
1896	718728	175390	63068	48784	2,905,228	
1896	659854	148066	65210	47374	2,160,833	
1896	376208	192504	67552	42946	1,766,536	
1896	76792	35296	24426	25320	892,242	
1896	367370	152598	60730	47302	2,336,520	
1896	105072	41132	30872	29480	1,113,374	
1896	725602	233700	74786	55734	2,677,270	
1896	305656	118292	51462	41304	2,438,946	
1896	285896	98288	36822	32488	1,336,000	
1896	257382	79234	43256	34720	1,342,541	
1896	110862	34670	23156	24046	946,844	

DISCHARGE
BY DAYS DURING T

Name of Canal	1	2	3	4	5	6	7	8	9	10	11
New York Canal (MC #2)	636	965	942	806	812	821	990	1122	791	776	753
Penitentiary	0	0	0	0	0	0	0	0	0	0	0
Fubb (South Boise)	0	0	0	0	0	0	0	0	0	0	0
Ridenbaugh	55	74	76	100	112	117	117	117	119	136	161
Settlers	0	0	0	0	0	0	0	0	0	0	0
Thurman Mill	0	0	0	0	0	0	0	0	0	0	0
Cruzen (Consumers)	0	0	0	0	0	0	0	0	0	0	0
Boise City Canal	0	0	0	0	0	0	0	0	0	0	0
Farmers Union & B. V.	0	0	0	0	0	0	0	0	0	0	0
New Union Ditch Co.	0	0	0	0	0	0	0	0	0	0	0
New Dry Creek Ditch Co.	0	0	0	0	0	0	0	0	0	0	0
Ballantine Ditch Co.	0	0	0	0	0	0	0	0	0	0	0
x Middleton Canals	0	0	0	0	0	0	0	0	0	0	0
Little Pioneer	0	0	0	0	0	0	0	0	0	0	0
Canyon County	0	0	0	0	0	0	0	0	0	0	0
x Eagle Island Canals	0	0	0	0	0	0	0	0	0	0	0
Phyllis	0	0	0	0	0	50	50	50	50	50	50
Eureka #1	0	0	0	0	0	0	0	0	0	0	0
Caldwell High Line	0	0	0	0	0	0	0	0	0	0	0
Farmers Coop.	0	0	0	0	0	0	0	0	0	0	0
Campbell	0	0	0	0	0	0	0	0	0	0	0
Siebenberg	0	0	0	0	0	0	0	0	0	0	0
Riverside #2	0	0	0	0	0	0	0	0	0	0	0
Pioneer Dixie	0	0	0	0	0	0	0	0	0	0	0
Eureka #2	0	0	0	0	0	0	0	0	0	0	0
Upper Center Point	0	0	0	0	0	0	0	0	0	0	0
Lower Center Point	0	0	0	0	0	0	0	0	0	0	0
x Miscellaneous	0	0	0	0	0	0	0	0	0	0	0
Total Canal Diversions	691	1039	1018	906	924	988	1157	1239	960	962	964
River at Notus	3060	3120	5530	9390	9090	9610	10000	10400	10300	9350	8280
Totals	3751	4159	6548	10296	10014	10598	11157	11689	11260	10312	9244

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 1946, INCLUDING STORAGE

		APRIL														
		8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
		0	791	776	753	759	762	1200	1393	1458	1713	1805	1920	2300	2373	2480
	22	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	10	10	10
	117	0	119	136	161	163	181	193	199	254	258	314	329	354	354	403
	0	0	0	0	0	0	0	0	0	0	16	29	39	47	69	84
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	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	14	14	14	23	26
	0	0	0	0	0	0	0	0	50	50	80	135	92	113	113	113
	0	0	0	0	0	0	0	0	0	0	0	0	0	5	7	7
	0	0	0	0	0	0	0	0	0	0	0	0	20	25	30	37
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
	0	0	0	0	0	0	0	0	0	0	116	116	116	134	153	173
	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	30
	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
	50	50	50	50	80	80	100	132	140	189	230	257	280	303	332	332
	0	0	0	0	0	0	0	0	10	10	10	10	10	20	20	20
	0	0	0	0	0	0	0	0	16	20	23	25	29	33	36	36
	0	0	0	0	0	0	0	0	0	0	0	0	76	110	110	110
	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	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	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	8
		1239	960	962	964	1002	1023	1493	1774	1928	2402	2676	2822	3382	3596	3894
	10400	10300	9350	8280	8170	8410	8360	8420	8400	8350	9190	9470	9690	9760	9030	9030
	11689	11260	10312	9244	9172	9433	9853	10194	10328	10752	11866	12292	13072	13356	12924	12924

ll Ditch Co.

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

acols or Julia Davis

AGE

18	19	20	21	22	23	24	25	26	27	28	29	30	Total
05	1920	2300	2373	2480	2534	2701	2752	2785	2785	2774	2796	2785	49489
0	0	0	0	0	2	4	4	4	4	4	4	4	30
0	0	0	10	10	12	12	14	14	16	16	17	17	138
14	329	354	354	403	429	456	465	465	442	482	475	473	7873
29	39	47	69	84	107	126	145	165	170	174	177	175	1523
0	0	0	0	10	12	14	16	18	20	23	26	29	168
0	0	0	0	0	15	15	16	16	17	17	18	18	132
14	14	14	23	26	27	30	29	29	31	33	33	32	335
35	92	113	113	113	130	154	190	192	204	212	213	217	2258
0	0	0	5	7	9	15	15	14	14	13	15	16	123
0	20	25	30	37	44	50	53	55	57	58	59	60	548
0	0	0	0	5	6	7	9	11	10	8	11	13	80
16	116	134	153	173	173	249	232	227	281	289	286	281	2826
0	0	0	0	0	20	24	29	49	38	44	46	47	297
0	0	0	0	30	40	50	72	93	92	90	89	87	643
0	0	0	0	10	12	14	17	20	21	24	28	29	175
30	257	280	303	332	360	380	398	381	440	440	436	448	5706
10	10	10	20	20	20	20	20	26	26	26	26	26	280
23	25	29	33	36	41	57	69	81	80	78	76	75	739
0	0	76	110	110	110	130	152	225	224	250	276	300	1993
0	0	0	0	0	0	0	0	25	25	25	25	25	125
0	0	0	0	0	0	0	0	12	12	12	12	11	59
0	0	0	0	0	0	0	0	108	113	117	122	126	586
0	0	0	0	0	0	0	0	51	52	53	54	55	265
0	0	0	0	0	0	0	0	69	71	72	73	74	359
0	0	0	0	0	0	0	0	16	16	17	18	19	86
0	0	0	0	0	0	0	20	20	20	20	20	20	120
0	0	0	0	8	10	12	14	17	20	21	23	24	149
676	2822	3382	3596	3894	4113	4520	4761	5188	5301	5392	5454	5486	77105
190	9470	9690	9760	9030	8490	7930	7800	7900	8000	8300	9000	9200	252000
866	12292	13072	13356	12924	12603	12450	12561	13088	13301	13692	14454	14686	329105

& Seven Suckers

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	2791	2791	2841	2819	2819	2819	2802	2841	2836	2802
2	Penitentiary	7	7	7	7	7	7	7	8	8	8
3	Bulb (South Boise)	18	18	18	18	20	20	20	22	22	22
4	Ridenbaugh	466	473	374	485	490	490	493	497	497	505
5	Settlers	176	180	181	185	185	186	187	187	188	187
6	Thurman Mill	31	33	34	36	37	38	39	41	45	49
7	Cruzen (Consumers)	19	19	20	20	21	21	22	22	23	23
8	Boise City Canal	32	31	31	31	31	31	30	30	29	28
9	Farmers Union & E. V.	221	222	223	224	225	226	230	231	232	233
10	New Union Ditch Co.	14	14	14	13	13	13	15	15	16	14
11	New Dry Creek Ditch Co.	60	61	61	62	62	62	63	63	64	64
12	Ballantine Ditch Co.	11	10	11	12	14	13	12	11	10	9
13	x Middleton Canals	277	274	270	265	261	256	251	247	242	238
14	Little Pioneer	47	46	46	46	44	43	43	43	42	42
15	Canyon County	86	85	84	83	82	81	79	78	77	75
16	x Eagle Island Canals	31	34	37	41	43	46	47	50	51	53
17	Phyllis	448	448	448	448	446	446	460	460	440	407
18	Eureka #1	22	22	22	22	24	24	30	30	30	30
19	Caldwell High Line	75	76	78	79	80	81	81	80	80	81
20	Farmers Coop.	328	328	356	384	394	396	394	394	396	399
21	Campbell	25	25	25	25	25	25	25	25	25	25
22	Siebenberg	11	11	11	10	10	10	10	9	9	9
23	Riverside #2	130	135	139	145	150	155	159	164	168	173
24	Pioneer Dixie	56	57	58	59	60	61	62	63	64	65
25	Eureka #2	75	76	77	78	79	80	81	82	84	86
26	Upper Center Point	20	21	22	22	23	24	25	26	27	27
27	Lower Center Point	23	23	23	23	23	23	23	23	23	23
28	x Miscellaneous	24	23	25	26	27	28	26	27	29	29
	Total Canal Diversions	5524	5543	5536	5668	5695	5705	5716	5769	5757	5706
29	River at Notus	8810	7570	6670	6240	6240	6450	6450	6450	7110	7110
	Totals	14334	13113	12206	11908	11935	12155	12166	12219	12867	12816

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

DISCHARGE, IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1946, INCLUDING STORAGE

MAY

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
841	2836	2802	2830	2813	2824	2796	2819	2791	2785	2813	2780	2813	2740	2752	2711
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
22	22	22	22	22	22	22	22	22	22	22	22	22	22	22	22
497	497	505	505	500	493	504	499	498	498	495	493	493	497	499	499
187	188	187	187	187	186	185	185	185	184	183	183	187	186	186	182
41	45	49	48	47	47	45	44	44	43	43	43	42	42	41	41
22	23	23	24	25	26	27	27	27	27	27	27	26	26	26	26
30	29	28	27	27	27	27	28	28	29	29	30	31	31	32	33
231	232	233	234	235	236	232	235	233	232	228	225	223	221	217	14
15	16	14	12	12	13	14	10	8	7	3	4	1	3	10	1
63	64	64	65	66	66	67	70	72	75	76	79	84	80	81	8
11	10	9	11	14	16	15	14	13	12	14	11	15	14	14	1
247	242	238	232	228	223	219	214	209	204	199	195	190	191	192	19
43	42	42	42	41	41	41	41	40	40	40	40	39	39	39	3
78	77	75	74	72	71	69	68	66	65	64	63	62	64	66	6
50	51	53	54	54	54	54	54	54	54	54	54	54	54	54	5
460	440	407	426	430	440	440	440	440	440	440	440	422	440	440	44
30	30	30	30	30	30	30	30	30	30	30	30	38	40	40	4
80	80	81	83	79	77	76	78	79	80	81	82	82	82	81	8
394	396	399	388	394	394	394	392	392	380	386	386	380	360	366	36
25	25	25	25	26	27	27	28	29	29	30	31	32	33	33	3
9	9	9	9	8	8	8	8	7	7	7	7	6	6	6	3
164	168	173	171	170	169	168	167	167	165	164	164	163	163	162	16
63	64	65	65	64	63	62	61	60	60	59	58	57	56	56	5
82	84	86	85	85	84	84	84	83	83	83	82	82	82	81	8
26	27	27	26	26	25	24	23	22	21	20	19	18	17	16	1
23	23	23	22	20	19	18	17	15	13	12	10	9	8	7	3
27	29	29	30	30	30	30	30	30	30	30	30	30	30	30	3
769	5757	5706	5735	5713	5719	5686	5696	5652	5623	5640	5596	5609	5535	5557	538
450	7110	7110	6890	6450	6240	6240	6030	6030	5820	5820	5820	5820	5610	5010	211
219	12867	12816	12625	12163	11959	11926	11726	11682	11443	11460	11416	11429	11145	10567	749

Ditch Co.

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

Jobs or Julia Davis

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
2780	2813	2740	2752	2712	2757	2791	2735	2813	2836	2796	2824	2791	86772
8	8	8	8	8	8	8	8	8	8	8	8	8	241
22	22	22	22	22	22	22	22	22	22	22	22	21	659
493	493	497	499	499	499	499	493	493	485	485	487	483	15167
183	187	186	186	122	185	185	184	184	183	172	171	171	5623
43	42	42	41	40	39	38	38	38	38	38	37	37	1255
27	26	26	26	26	26	26	26	25	25	25	25	25	754
30	31	31	32	32	33	32	33	30	30	30	30	30	930
225	223	221	217	145	214	209	213	212	209	209	208	206	6843
4	1	3	10	11	13	15	15	16	16	16	15	15	370
79	84	80	81	83	81	82	84	80	79	78	81	80	2231
11	15	14	14	13	13	12	10	10	9	9	8	8	368
195	190	191	192	195	196	197	121	176	192	204	205	209	6772
40	39	39	39	39	39	39	40	40	40	40	40	40	1282
63	62	64	66	68	70	72	74	76	80	84	88	92	2318
54	54	54	54	54	54	54	54	54	54	54	54	54	1567
440	422	440	440	440	440	430	382	368	368	360	352	356	13185
30	38	40	40	40	40	40	35	30	30	30	28	24	941
82	82	82	81	80	79	79	80	76	76	75	75	74	2445
386	380	360	366	366	353	353	330	330	330	330	330	330	11433
31	32	33	33	34	34	33	33	32	32	31	31	30	890
7	6	6	6	6	6	6	6	6	6	6	7	7	243
164	163	163	162	161	161	162	164	167	170	173	176	178	5023
58	57	56	56	55	54	54	54	53	52	51	50	50	1799
82	82	82	81	81	81	80	78	76	74	72	70	68	2476
19	18	17	16	16	15	15	15	15	14	14	14	14	626
10	9	8	7	5	4	4	5	6	7	8	9	10	458
30	30	30	30	30	30	30	30	30	30	30	30	30	894
5596	5609	5535	5557	5383	5546	5567	5362	5466	5495	5450	5475	5441	173565
5820	5820	5610	5010	2110	1470	1380	1520	2000	2760	3590	4140	4230	164080
11416	11429	11145	10567	7493	7016	6947	6882	7466	8255	9040	9615	9671	337645

Seven Suckers

DISCH
BY DAYS DUR

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	11
1	New York Canal (MC #2)	2780	2780	2752	2796	2802	2813	2768	2813	2791	2813	2802
2	Penitentiary	8	8	8	8	8	8	8	8	8	8	8
3	Bubb (South Boise)	21	21	21	21	21	21	20	20	20	20	20
4	Ridenbaugh	483	495	495	499	511	513	513	489	503	503	503
5	Settlers	170	170	177	177	176	176	178	178	178	178	181
6	Thurman Mill	37	37	37	36	36	36	36	36	35	35	35
7	Cruzen (Consumers)	24	24	24	24	24	23	23	23	23	23	23
8	Boise City Canal	33	33	34	34	34	35	35	35	33	33	33
9	Farmers Union & B. V.	206	206	205	212	212	212	210	210	199	197	209
10	New Union Ditch Co.	15	15	14	14	14	15	15	15	16	16	16
11	New Dry Creek Ditch Co.	81	81	82	82	83	84	83	82	81	80	79
12	Ballantine Ditch Co.	9	10	10	10	11	11	12	12	12	13	15
13	x Middleton Canals	209	211	213	214	216	218	214	174	74	85	85
14	Little Pioneer	40	40	40	40	40	40	39	39	39	37	39
15	Canyon County	96	100	104	104	110	117	108	100	91	83	72
16	x Eagle Island Canals	54	54	54	54	54	54	54	54	54	54	54
17	Phyllis	356	366	368	372	386	401	402	402	390	380	380
18	Eureka #1	24	24	30	28	28	42	40	40	40	40	40
19	Caldwell High Line	74	74	73	73	73	73	72	70	69	68	67
20	Farmers Coop.	324	324	340	355	350	345	340	340	340	340	340
21	Campbell	29	29	28	28	26	25	24	23	22	21	20
22	Siebenberg	7	7	7	7	7	7	8	8	8	8	8
23	Riverside #2	181	184	187	189	185	181	178	174	170	167	163
24	Pioneer Dixie	49	48	47	47	47	47	46	46	46	45	45
25	Eureka #2	66	64	62	61	64	67	70	73	76	79	81
26	Upper Center Point	13	13	13	13	13	13	13	13	13	13	13
27	Lower Center Point	11	12	13	13	13	12	12	12	11	11	11
28	x Miscellaneous	30	30	30	30	30	30	30	30	30	30	30
	Total Canal Diversions	5430	5460	5468	5541	5574	5619	5551	5519	5372	5380	537
29	River at Notus	4230	4040	3950	3860	3950	4320	4320	3000	1620	1230	9
	Totals	9660	9500	9418	9401	9524	9939	9871	8519	6992	6610	63

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 & Dav

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 1946, INCLUDING STORAGE

JUNE

	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
13	2791	2813	2808	2808	2824	2841	2813	2824	2824	2813	2835	2819	2824	2836	2306	
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
20	20	20	20	20	19	19	18	18	18	17	17	17	17	17	17	17
89	503	503	504	509	507	507	507	507	507	510	526	518	532	535	508	
78	178	178	181	184	173	172	170	168	166	172	162	161	159	157	155	
86	35	35	35	35	35	34	34	33	33	33	33	32	32	32	31	
23	23	23	22	22	22	23	23	24	25	26	26	25	25	24	24	
85	33	33	33	33	34	34	35	33	33	33	33	33	33	33	33	
10	199	197	209	209	209	136	188	210	214	212	215	215	215	214	214	
15	16	16	16	17	17	18	18	18	18	18	17	17	17	17	17	
82	81	80	79	78	77	76	79	82	86	90	88	86	84	82	80	
12	12	13	15	16	14	17	15	14	12	13	15	16	16	16	16	
74	74	85	83	89	91	83	64	55	56	135	156	149	143	147	158	
89	39	37	35	33	31	29	30	32	34	36	36	36	36	35	35	
00	91	83	72	64	56	47	45	44	41	39	42	45	48	51	54	
54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	
02	390	380	380	370	370	344	348	350	360	346	356	364	364	364	364	
40	40	40	40	40	40	34	40	38	38	39	38	36	36	36	36	
70	69	68	67	66	65	64	62	60	59	58	58	57	56	56	55	
340	340	340	340	340	336	320	320	320	302	308	324	308	308	302	302	
23	22	21	20	19	17	17	16	16	15	15	15	14	14	13	13	
8	8	8	8	8	9	9	9	9	9	8	8	8	8	7	7	
74	170	167	163	160	156	155	154	153	152	151	150	148	146	145	144	
46	46	45	45	44	44	44	44	44	44	44	44	45	45	45	45	
73	76	79	82	85	88	86	85	84	83	82	81	80	78	77	76	
13	13	13	13	13	13	13	13	13	13	12	12	12	12	12	11	
12	11	11	11	10	10	11	12	12	13	13	14	14	15	15	16	
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	
19	5372	5380	5373	5364	5349	5225	5234	5253	5247	5315	5393	5347	5355	5360	4809	
00	1620	1230	966	903	854	730	716	650	632	518	444	332	253	237	285	
19	6992	6610	6339	6267	6203	5955	5950	5903	5879	5833	5837	5679	5608	5597	5094	

Ditch Co.

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

obs or Julia Davis

Chart No. 5-B

19	20	21	22	23	24	25	26	27	28	29	30	Total
835	2819	2824	2836	2306	2316	2170	2190	2090	2075	2135	2135	79194
8	8	8	8	8	8	7	7	7	7	7	7	234
17	17	17	17	17	18	18	18	18	18	18	18	566
526	518	532	535	508	518	513	520	521	513	518	477	15261
162	161	159	157	155	157	155	153	151	154	153	157	5018
33	32	32	32	31	31	31	31	31	31	31	30	1009
26	25	25	24	24	23	23	22	21	20	20	21	696
33	33	33	33	33	32	33	32	32	31	32	32	996
215	215	215	214	214	213	212	212	212	209	205	202	6194
17	17	17	17	17	16	16	16	16	16	15	15	484
88	86	84	82	80	78	76	74	71	68	66	64	2383
15	16	16	16	16	17	17	17	18	14	12	10	410
156	149	143	147	158	180	171	167	151	157	141	97	4301
36	36	36	35	35	35	35	34	34	34	34	34	1072
42	45	48	51	54	57	60	64	67	70	74	75	2128
54	54	54	54	54	54	54	54	54	54	54	54	1620
356	364	364	364	364	344	364	364	364	364	349	354	11006
38	36	36	36	36	36	36	36	36	36	32	32	1071
58	57	56	56	55	55	54	54	53	53	52	52	1875
324	308	308	302	302	312	324	337	324	324	324	312	9785
15	14	14	13	13	13	12	12	12	13	13	13	547
8	8	8	7	7	7	7	7	7	8	8	9	234
150	148	146	145	144	143	142	141	143	144	145	144	4775
44	45	45	45	45	45	45	45	41	38	35	33	1327
81	80	78	77	76	75	74	72	74	75	77	79	2275
12	12	12	12	11	11	11	11	11	11	11	11	369
14	14	15	15	16	16	17	18	16	15	14	13	395
30	30	30	30	30	30	30	30	30	30	30	30	900
5393	5347	5355	5360	4809	4640	4707	4738	4605	4582	4605	4510	156125
444	332	253	237	285	545	534	458	487	468	410	394	45342
837	5679	5608	5597	5094	5385	5241	5196	5092	5050	5021	4904	201467

en Suckers

DISCHARGE
BY DAYS DURING T

Name of Canal	1	2	3	4	5	6	7	8	9	10	11
New York Canal (MC #2)	2115	2115	2085	2060	2035	2075	2075	2075	2095	2095	2110
Penitentiary	8	8	8	8	8	8	8	8	8	8	8
Fubb (South Boise)	19	19	19	19	19	17	14	12	7	5	7
Ridenbaugh	515	515	518	521	541	551	545	551	547	524	524
Settlers	161	159	156	160	177	175	173	175	173	173	174
Thurman Mill	30	30	30	30	30	28	26	24	23	22	24
Cruzen (Consumers)	21	22	22	23	23	23	24	24	24	24	23
Foise City Canal	33	34	34	34	34	34	34	34	34	35	33
Farmers Union & B. V.	212	212	212	205	203	212	202	203	210	205	215
New Union Ditch Co.	14	14	13	13	12	12	13	13	14	14	13
New Dry Creek Ditch Co.	62	60	58	56	54	52	57	62	67	73	73
Ballantine Ditch Co.	11	13	14	15	16	16	14	14	13	13	14
x Middleton Canals	0	172	156	169	180	193	162	140	145	176	136
Little Pioneer	35	36	37	38	39	40	40	38	36	34	31
Canyon County	76	76	80	79	78	78	75	72	63	60	64
x Eagle Island Canals	54	54	54	54	54	54	54	54	54	54	54
Phyllis	354	360	373	374	374	381	378	378	378	342	330
Eureka #1	32	32	32	32	32	16	20	20	20	20	32
Caldwell High Line	53	53	54	56	57	57	56	55	54	53	51
Farmers Coop.	312	308	286	308	320	312	312	330	340	312	312
Campbell	13	13	14	14	14	14	15	15	15	22	27
Siebenberg	9	9	10	10	10	11	11	11	12	12	11
Riverside #2	145	146	137	137	125	115	120	117	112	107	104
Pioneer Dixie	30	27	20	30	33	36	39	42	45	48	51
Eureka #2	80	81	83	85	86	88	88	88	67	55	47
Upper Center Point	11	11	11	11	11	0	0	0	15	15	15
Lower Center Point	11	10	9	8	7	5	5	5	5	4	4
x Miscellaneous	30	30	30	30	30	30	30	30	30	30	30
Total Canal Diversions	4446	4619	4555	4579	4602	4635	4590	4590	4606	4535	4517
River at Notus	394	253	164	147	160	132	143	122	108	83	68
Totals	4840	4872	4719	4726	4762	4767	4733	4712	4714	4618	4585

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, Gra
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 1946, INCLUDING STORAGE

JULY

	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
2075	2095	2095	2110	2145	2135	2120	2135	2125	2150	2145	2160	2115	2085	2085	2085
8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
12	7	5	7	9	10	12	13	16	18	20	20	20	21	21	21
551	547	524	524	534	535	532	535	533	514	514	506	506	506	506	490
175	173	173	174	175	178	181	183	183	165	168	166	151	135	135	135
24	23	22	24	26	28	30	32	35	38	41	40	39	39	39	39
24	24	24	23	23	23	22	22	22	21	21	21	22	22	22	22
34	34	35	33	33	33	32	32	32	32	35	33	35	29	29	29
203	210	205	215	212	212	212	212	212	189	184	189	190	190	190	190
13	14	14	13	13	13	12	12	12	11	11	11	12	12	12	12
62	67	73	73	72	72	71	70	69	68	67	66	64	62	62	59
14	13	13	14	15	17	14	16	18	19	20	21	20	19	19	17
140	145	176	136	162	160	146	153	147	162	183	191	183	142	142	146
38	36	34	31	29	27	29	30	31	33	35	38	38	37	37	37
72	63	60	64	60	60	60	69	78	86	80	83	85	82	78	78
54	54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
378	378	342	330	330	349	330	330	344	330	330	341	341	329	329	329
20	20	20	32	32	27	32	32	32	32	32	25	25	25	25	25
55	54	53	51	48	46	44	42	41	40	42	44	46	48	50	50
330	340	312	312	296	296	296	276	250	262	276	292	312	312	312	312
15	15	22	27	30	32	31	30	25	26	27	26	26	26	26	26
11	12	12	11	11	11	11	11	11	11	11	10	9	8	8	8
117	112	107	104	101	101	100	112	114	109	111	98	112	129	127	127
42	45	48	51	54	54	54	53	51	56	54	51	49	46	46	46
88	67	55	47	41	36	32	38	40	40	43	46	65	70	58	58
0	15	15	15	15	15	15	15	15	15	15	16	23	24	30	30
5	5	4	4	4	4	3	3	3	3	5	6	7	8	9	9
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
4590	4606	4535	4517	4562	4566	4513	4548	4531	4522	4561	4591	4587	4498	4426	4426
122	108	83	68	62	61	60	62	61	60	53	51	48	48	46	46
4712	4714	4618	4585	4624	4627	4573	4610	4592	4582	4614	4642	4635	4546	4472	4472

Mill ditch Co.

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

Jacobs or Julia Davis

Chart No. 5-C

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
2160	2115	2085	2075	2060	2060	2016	1003	1958	1963	1882	1814	1768	62849
8	8	8	8	0	8	9	9	9	9	9	9	9	255
20	20	21	21	21	21	20	20	19	19	18	17	16	508
506	506	506	456	456	463	472	466	457	470	470	466	466	15709
166	151	135	133	147	145	147	153	151	150	137	135	131	4970
40	39	39	38	38	37	36	35	34	33	32	31	29	988
21	22	22	23	23	23	24	24	24	24	24	24	24	709
33	35	29	29	30	32	24	24	23	25	25	24	28	963
189	190	190	190	190	190	152	164	161	154	160	159	159	5972
11	12	12	12	13	13	13	13	14	14	14	14	14	398
66	64	62	59	57	55	52	50	50	51	51	52	52	1884
21	20	19	17	18	16	15	17	13	14	15	16	14	487
191	183	142	146	147	153	129	135	133	123	101	101	116	4542
38	38	37	37	36	36	36	36	35	35	35	35	35	1087
83	85	82	78	77	75	50	50	51	49	61	62	61	2158
54	54	54	54	40	40	40	40	40	40	40	40	40	1548
341	341	329	329	329	319	319	319	318	289	289	289	285	10461
25	25	25	25	25	25	25	25	23	25	25	25	20	827
44	46	48	50	52	54	56	56	58	57	57	56	56	1594
292	312	312	312	312	312	324	324	332	324	324	308	312	9504
26	26	26	26	27	25	25	20	18	18	18	10	12	654
9	9	8	8	7	7	6	6	6	6	5	5	5	279
98	112	129	127	115	120	122	126	122	121	127	123	128	3683
51	49	46	46	43	43	43	41	45	46	46	50	43	1369
46	65	70	58	55	53	52	51	54	55	53	67	58	1855
16	23	24	30	16	18	20	22	24	26	27	30	21	502
6	7	8	9	10	11	12	14	14	14	14	14	14	245
30	30	30	30	22	22	22	22	22	22	22	22	22	858
4591	4587	4498	4426	4374	4376	4261	3267	4208	4176	4081	3998	3938	136858
51	48	48	46	50	48	52	50	48	46	42	49	52	2823
4642	4635	4546	4472	4424	4424	4313	3317	4256	4222	4123	4047	3990	139681

Seven Suckers

BY DAYS

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1699	1708	1699	1703	1690	1814	1858	1944	1877	1944
2	Penitentiary	8	8	8	8	8	8	8	8	8	8
3	Bubb (South Boise)	16	16	15	15	15	14	14	13	13	13
4	Ridenbaugh	458	453	460	463	463	463	462	462	462	462
5	Settlers	136	134	132	139	137	138	141	135	134	133
6	Thurman Mill	29	28	28	27	27	26	26	26	26	26
7	Cruzen (Consumers)	23	23	23	23	23	22	22	22	22	22
8	Boise City Canal	24	24	24	24	24	24	24	24	24	24
9	Farmers Union & B. V.	157	157	157	159	159	159	138	148	148	148
10	New Union Ditch Co.	13	13	12	12	11	10	9	9	9	9
11	New Dry Creek Ditch Co.	51	50	49	47	45	43	41	41	41	42
12	Ballantine Ditch Co.	14	14	14	14	13	13	13	13	14	14
13	x Middleton Canals	115	111	124	125	140	142	106	100	101	98
14	Little Pioneer	35	35	36	36	37	37	38	39	40	39
15	Canyon County	62	61	54	52	58	59	61	62	64	51
16	x Eagle Island Canals	40	40	40	32	32	32	32	32	32	32
17	Phyllis	279	279	279	279	279	279	290	324	292	316
18	Eureka #1	25	25	25	25	25	25	20	20	20	20
19	Caldwell High Line	56	57	57	58	58	59	59	60	61	62
20	Farmers Coop.	307	308	292	256	230	230	204	212	204	204
21	Campbell	14	12	11	9	8	9	10	11	12	13
22	Siebenberg	5	1	20	16	18	10	10	10	10	10
23	Riverside #2	120	117	111	112	155	106	111	116	122	130
24	Pioneer Dixie	47	47	42	35	49	41	39	39	37	35
25	Eureka #2	52	56	45	42	39	39	44	52	56	60
26	Upper Center Point	12	12	7	7	7	9	8	8	13	18
27	Lower Center Point	14	13	13	13	13	13	13	13	13	13
28	x Miscellaneous	22	22	22	18	18	18	18	18	18	18
	Total Canal Diversions	3833	3824	3799	3749	3781	3842	3819	3961	3873	3964
29	River at Notus	47	49	48	52	48	48	47	46	39	37
	Totals	3880	3873	3847	3801	3829	3890	3866	4007	3912	4001

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 & D

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 1946, INCLUDING STORAGE

AUGUST

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1877	1944	1910	1939	1915	1920	1877	1872	1872	1853	1814	1805	1810	1819	1810
8	8	8	8	8	8	8	8	8	8	8	8	8	7	7
13	13	13	12	12	12	12	12	12	13	13	13	13	14	14
462	462	462	462	469	472	417	417	417	418	418	412	414	415	418
134	133	132	131	130	101	105	107	111	110	113	112	114	113	113
26	26	25	25	25	25	25	24	24	24	23	23	23	22	22
22	22	21	21	21	21	21	20	20	20	20	20	19	19	19
24	24	25	25	26	26	26	26	26	26	26	26	25	25	25
148	148	160	161	161	161	164	161	167	167	161	162	162	162	162
9	9	8	8	8	8	8	8	8	8	8	8	8	8	8
41	42	42	42	43	43	44	44	43	43	42	42	41	40	39
14	14	14	14	15	15	16	16	16	15	15	15	14	14	14
101	98	96	91	77	85	92	85	192	83	91	70	96	99	91
40	39	39	38	37	36	35	34	34	34	33	33	33	33	32
64	51	46	48	46	46	47	47	49	52	50	49	49	47	54
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
292	316	298	300	290	290	291	292	278	278	278	278	286	321	316
20	20	20	20	20	20	17	20	20	20	20	20	20	23	20
61	62	63	64	65	66	67	64	62	60	58	56	54	52	50
204	204	224	220	198	204	182	178	182	153	163	168	163	178	204
12	13	18	19	20	21	22	23	22	18	17	19	21	21	19
10	10	11	12	13	17	17	17	17	16	16	14	16	16	12
122	130	136	135	137	131	120	109	102	96	110	103	105	104	110
37	35	35	33	27	35	38	41	33	34	33	34	38	47	47
56	60	52	50	48	41	60	62	35	30	30	30	29	30	30
13	18	14	11	8	8	11	14	10	10	11	11	11	11	11
13	13	13	13	13	13	13	12	12	11	11	11	13	14	16
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
3673	3964	3935	3952	3882	3875	3785	3763	3822	3650	3632	3592	3635	3704	3713
39	37	36	35	38	39	36	106	45	42	45	39	36	38	40
3912	4001	3971	3987	3920	3914	3821	3869	3867	3692	3677	3631	3671	3742	3753

Co.
 Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin & Seven Suckers
 Julia Davis

Chart No. 5-D

20	21	22	23	24	25	26	27	28	29	30	31	Total
1805	1810	1819	1810	1731	1676	1630	1588	1503	1462	1458	1426	54626
8	8	7	7	7	7	7	7	7	7	7	7	238
13	13	14	14	14	14	13	13	13	13	13	13	415
412	414	415	418	418	418	418	426	417	424	417	414	13571
112	114	113	113	115	107	106	36	103	101	99	98	3616
23	23	22	22	22	21	20	20	19	19	18	18	736
20	19	19	19	19	19	18	18	18	18	18	17	632
26	25	25	25	25	25	24	24	24	24	24	24	767
162	162	162	162	162	162	161	156	136	124	129	128	4799
8	8	8	8	8	8	9	9	9	10	10	10	284
42	41	40	39	39	39	40	40	40	41	41	41	1319
15	14	14	14	14	13	13	12	12	12	12	12	429
70	96	99	91	99	102	101	89	49	85	93	105	3133
33	33	33	32	32	32	32	31	31	30	30	29	1070
49	49	47	54	51	51	50	51	49	49	49	49	1613
32	32	32	32	32	32	32	32	32	32	32	32	1016
278	286	321	316	314	304	304	0	0	0	0	0	7614
20	20	23	20	20	20	20	0	0	0	0	0	550
56	54	52	50	48	46	44	43	42	42	42	41	1716
168	163	178	204	256	346	362	308	334	270	268	256	7264
19	21	21	19	21	22	25	14	18	10	9	8	496
14	16	16	12	14	14	14	9	5	4	4	4	372
103	105	104	110	118	125	134	134	135	111	110	95	3660
34	38	47	47	49	43	43	43	40	36	32	31	1203
30	29	30	30	32	31	33	46	50	50	50	60	1364
11	11	11	11	11	11	12	19	22	23	15	16	371
11	13	14	16	16	16	16	16	16	16	16	16	424
18	18	18	18	18	18	18	18	18	18	18	18	570
92	3635	3704	3713	3705	3722	3699	3202	3142	3031	3014	2968	113868
39	36	38	40	44	46	49	49	58	66	56	62	1466
31	3671	3742	3753	3749	3768	3748	3251	3200	3097	3070	3030	115334

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No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1	New York Canal (MC #2)	1397	1389	1364	1334	1286	1194	1151	1101	1041	1027
2	Penitentiary	4	4	4	4	4	5	5	5	5	5
3	Bubb (South Boise)	12	12	12	12	12	11	11	11	11	11
4	Ridenbaugh	417	414	417	423	408	402	402	405	396	402
5	Settlers	160	98	101	100	98	99	99	99	102	102
6	Thurman Mill	17	17	16	16	15	15	15	14	14	14
7	Cruzen (Consumers)	17	17	17	17	17	16	16	16	16	16
8	Boise City Canal	24	24	24	24	24	23	23	23	24	23
9	Farmers Union & B. V.	128	128	126	126	140	139	139	132	132	125
10	New Union Ditch Co.	11	11	11	12	12	12	12	12	12	12
11	New Dry Creek Ditch Co.	42	42	42	43	43	43	43	43	43	43
12	Ballantine Ditch Co.	11	11	11	10	10	10	10	10	9	9
13	x Middleton Canals	108	96	96	89	102	101	102	105	104	99
14	Little Pioneer	29	28	27	27	26	26	25	25	24	23
15	Canyon County	51	52	52	48	50	48	45	46	46	43
16	x Eagle Island Canals	32	32	32	32	32	32	32	32	32	32
17	Phyllis	0	0	0	264	288	264	264	264	264	270
18	Eureka #1	0	0	0	21	20	20	20	20	20	20
19	Caldwell High Line	41	40	40	39	39	39	39	38	38	38
20	Farmers Coop.	260	260	280	280	268	280	292	256	230	256
21	Campbell	5	10	17	10	11	13	13	15	14	15
22	Siebenberg	3	3	10	11	3	3	3	3	3	4
23	Riverside #2	108	110	111	122	102	116	119	121	121	136
24	Pioneer Dixie	32	31	32	35	33	34	31	29	29	26
25	Eureka #2	62	63	65	66	70	75	74	72	72	70
26	Upper Center Point	16	15	15	14	13	11	12	13	13	13
27	Lower Center Point	16	16	16	16	17	17	18	18	19	19
28	x Miscellaneous	18	18	18	18	18	18	18	18	18	18
	Total Canal Diversions	2961	2941	2956	3213	3161	3066	3033	2946	2852	2871
29	River at Notus	57	51	59	68	65	74	78	128	174	174
	Totals	3018	2992	3015	3281	3226	3140	3111	3074	3026	3045

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 & Davi
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 1946, INCLUDING STORAGE

SEPTEMBER

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
1041	1027	1097	1090	1097	1133	1169	1164	1242	1205	0	0	0	0	0
5	5	5	5	5	5	5	5	5	4	0	0	0	0	0
11	11	10	10	10	10	10	9	9	9	9	9	9	9	9
396	402	397	403	397	401	397	397	396	402	0	0	0	0	0
102	102	103	103	103	103	103	103	103	94	94	97	94	88	88
14	14	14	13	13	13	13	12	12	12	12	12	12	12	11
16	16	15	15	15	15	15	14	14	14	14	14	13	13	13
24	23	23	23	23	23	23	23	22	22	22	20	22	22	22
132	125	125	124	123	112	111	111	75	75	69	62	69	69	69
12	12	12	12	12	11	11	11	11	11	11	11	11	11	11
43	43	44	44	44	44	44	45	45	45	45	45	44	42	40
9	9	9	9	9	8	8	8	8	8	8	8	8	8	8
104	99	99	100	86	86	86	70	64	52	52	58	51	45	45
24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
46	43	42	41	40	39	43	47	50	55	47	45	40	36	37
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
264	270	270	270	270	268	250	238	222	222	198	178	182	192	178
20	20	20	20	20	20	20	20	20	20	20	20	20	16	16
38	38	37	37	36	36	35	35	34	34	33	33	32	32	31
230	256	256	230	280	256	244	256	256	224	198	192	178	153	153
14	15	15	15	15	11	10	3	4	4	5	5	5	5	5
3	4	5	6	4	4	4	4	4	5	5	5	5	5	5
121	136	133	130	137	137	142	155	157	160	163	160	154	150	147
29	26	26	26	28	27	27	26	26	25	25	25	22	22	22
72	70	55	50	40	39	41	42	40	45	52	50	47	45	44
13	13	13	14	13	14	13	13	13	13	2	2	2	2	2
19	19	4	4	4	4	4	4	4	4	4	4	4	4	4
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
2852	2871	2901	2865	2894	2888	2896	2902	2902	2829	1152	1118	1086	1042	1020
174	174	146	136	125	133	130	161	248	354	425	382	279	248	215
3026	3045	3047	3001	3019	3021	3026	3063	3150	3183	1577	1500	1365	1290	1235

h Co.

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

Julia Davis

Chart No. 5-E

STORAGE

18	19	20	21	22	23	24	25	26	27	28	29	30	Total
1205	0	0	0	0	0	0	977	1140	993	1044	1079	1072	27806
4	0	0	0	0	0	0	4	4	4	4	4	4	108
9	9	9	9	9	9	9	9	9	9	9	9	9	300
402	0	0	0	0	0	0	396	396	396	384	396	396	9640
94	94	97	94	88	88	88	88	71	71	66	66	66	2790
12	12	12	12	12	11	11	11	11	10	10	10	10	387
14	14	14	13	13	13	13	13	13	13	13	13	13	440
22	22	20	22	22	22	22	22	23	23	23	23	23	685
75	69	62	69	69	69	69	69	70	69	69	69	69	2953
11	11	11	11	11	11	10	10	10	10	10	10	10	333
45	45	45	44	42	40	40	39	37	35	33	32	30	1244
8	8	8	8	8	8	8	8	8	8	8	8	8	264
52	52	58	51	45	45	45	45	72	66	64	49	45	2282
15	14	13	12	11	10	10	10	10	10	10	10	10	538
55	47	45	40	36	37	38	40	41	42	38	37	38	1317
32	32	32	32	32	32	32	32	32	32	32	32	32	960
222	198	178	182	192	178	164	164	144	154	154	156	160	5912
20	20	20	20	16	16	16	16	16	16	16	14	10	497
34	33	33	32	32	31	31	30	30	30	30	30	30	1047
224	198	192	178	153	153	156	163	150	150	144	144	144	6589
4	5	5	5	5	5	5	5	5	5	5	5	5	260
5	5	5	5	5	5	5	5	5	5	5	5	5	142
160	163	160	154	150	147	144	140	140	140	140	140	140	4075
25	25	25	22	22	22	21	21	20	20	20	16	16	773
45	52	50	47	45	44	40	36	33	30	30	30	30	1508
13	2	2	2	2	2	2	2	2	2	2	2	2	265
4	4	4	4	4	4	4	4	4	4	4	4	4	252
18	18	18	18	18	18	18	18	18	18	18	18	18	540
2829	1152	1118	1086	1042	1020	1001	2377	2514	2365	2385	2411	2399	73947
354	425	382	279	248	215	199	195	205	273	362	339	321	5804
3183	1577	1500	1365	1290	1235	1200	2572	2719	2636	2747	2750	2720	79751

In & Seven Suckers

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1946

NO.	NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1.	Board of Control (MC #2)	98978	173544	158388	125698	109252	55612
2.	Penitentiary	60	482	468	510	476	216
3.	Bubb (South Boise)	276	1318	1132	1016	830	600
4.	Fidenbaugh	15746	30334	30522	31418	27142	19280
5.	Settlers	3046	11246	10036	9940	7232	5580
6.	Thurman Mill	336	2510	2018	1976	1472	774
7.	Consumers (Cruzen)	264	1508	1392	1418	1264	880
8.	Boise City	670	1860	1992	1926	1534	1370
9.	Farmers Union	3108	9726	8524	8406	7096	3572
10.	Boise Valley	1408	3960	3864	3538	2502	2414
11.	New Union Ditch Co.	246	740	968	796	568	666
12.	New Dry Creek Ditch Co.	1096	4462	4766	3768	2638	2488
13.	Ballantine Ditch	160	736	820	974	858	528
14.	Middleton Canals	5652	13544	8602	9084	6266	4564
15.	Little Pioneer Ditch Co.	594	2564	2144	2174	2140	1076
16.	Canyon County Water Co.	1286	4636	4256	4316	3226	2634
17.	7 Eagle Island Canals	350	3134	3240	3096	2032	1920
18.	Phyllis	11412	26370	22012	20922	15228	11824
19.	Eureka No. 1	560	1882	2142	1654	1100	994
20.	Caldwell High Line	1478	4890	3750	3188	3432	2094
21.	Farmers Coop.	3986	22866	19570	19008	14528	13178
22.	Campbell (Canyon)	250	1780	1094	1308	992	520
23.	Siebentberg	118	486	468	558	744	284
24.	Riverside No. 2	1172	10046	9550	7366	7320	8150
25.	Pioneer Dixie	530	3598	2654	2738	2406	1546
26.	Eureka No. 2	718	4952	4550	3710	2728	3016
27.	Upper Center Point	172	1252	738	1004	742	530
28.	Lower Center Point	240	916	790	490	848	504
29.	Miscellaneous	298	1788	1800	1716	1140	1080
	Total	154210	347130	312250	273716	227736	147894

CHART NO. 6

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1946

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTALS
98978	173544	158388	125698	109252	55612	721472
60	482	468	510	476	216	2212
276	1318	1132	1016	830	600	5172
15746	30334	30522	31418	27142	19280	154442
3046	11246	10036	9940	7232	5580	47080
336	2510	2018	1976	1472	774	9086
264	1508	1392	1418	1264	880	6726
670	1860	1992	1926	1534	1370	9352
3108	9726	8524	8406	7096	3572	40432
1408	3960	3864	3538	2502	2414	17686
246	740	968	796	568	666	3984
1096	4462	4766	3768	2638	2408	19218
160	736	820	974	858	528	4076
5652	13544	8602	9084	6266	4564	47712
594	2564	2144	2174	2140	1076	10692
1286	4636	4256	4316	3226	2634	20354
350	3134	3240	3096	2032	1920	13772
11412	26370	22012	20922	15228	11824	107768
560	1882	2142	1654	1100	994	8332
1478	4890	3750	3188	3432	2094	18832
3986	22866	19570	19008	14528	13178	93136
250	1780	1094	1308	992	520	5944
118	486	468	558	744	284	2658
1172	10046	9550	7366	7320	8150	43604
530	3598	2654	2738	2406	1546	13472
718	4952	4550	3710	2728	3016	19674
172	1252	738	1004	742	530	4438
240	916	790	490	848	504	3788
298	1788	1800	1716	1140	1080	7822
154210	347130	312250	273716	227736	147894	1462936

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

1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
63,608	553,022	643,878	201,622	611,376	375,000	642,778	576,716	574,030	520,146	355,000
69,512	67,838	71,808	35,298	60,074	29,836	60,788	51,718	41,366	35,978	24,000
3,032	2,940	3,100	772	2,122	1,734	1,954	2,144	1,650	1,492	1,000
3,892	3,212	4,048	2,818	3,202	2,834	3,348	3,712	3,688	3,558	2,000
28,616	120,472	135,908	87,636	135,696	108,210	132,334	132,446	120,884	129,062	102,000
48,384	44,966	47,634	31,326	52,862	35,728	47,830	43,340	41,540	35,554	29,000
7,630	6,686	9,316	7,244	8,976	8,770	7,972	9,516	9,784	8,748	8,000
23,530	23,024	19,344	12,560	12,646	10,190	8,816	8,350	6,808	8,584	8,000
1,896	2,032	1,530	8,498	9,582	8,774	9,036	7,300	8,960	8,938	8,000
41,360	38,982	44,270	24,426	46,786	22,898	44,984	37,562	33,376	35,482	23,000
4,880	4,880	5,368	3,280	4,000	4,434	3,388	4,240	3,100	3,880	3,000
14,142	15,416	17,142	14,178	12,720	14,840	16,410	16,778	15,536	16,998	15,000
3,392	3,272	3,934	3,592	3,854	3,038	4,292	3,760	3,960	3,558	3,000
16,000	16,712	16,922	12,224	18,454	14,276	18,322	17,816	15,970	17,140	11,000
2,460	3,900	4,226	3,028	2,580	3,526	3,660	3,574	3,282	3,338	2,900
28,232	31,016	29,582	26,108	34,652	23,934	29,816	27,358	21,624	25,942	23,000
15,078	24,190	26,702	13,896	28,028	14,266	19,028	19,768	18,036	17,178	13,000
5,822	6,632	7,880	6,410	9,418	7,626	7,442	8,988	8,738	8,584	7,000
21,414	23,218	22,786	18,912	19,712	18,952	19,672	18,982	18,118	18,958	17,000
13,308	12,212	13,794	11,850	13,756	11,530	13,288	12,134	11,448	12,274	11,000
15,540	115,740	125,282	61,300	125,588	70,342	115,370	113,842	95,864	109,070	65,000
5,166	6,390	5,698	6,600	5,952	6,344	6,434	6,474	5,714	6,800	6,000
18,678	17,660	15,368	16,296	14,584	18,938	11,944	14,332	17,556	17,530	18,900
93,052	38,650	89,224	39,540	89,020	52,192	91,726	79,274	69,000	84,294	49,000
4,974	3,924	5,248	3,556	4,478	3,384	4,658	5,322	3,838	4,526	3,900
3,508	3,090	3,596	2,106	3,106	2,796	2,604	2,854	2,580	3,030	2,500
67,906	41,180	54,620	30,752	47,454	40,604	63,404	51,036	41,220	46,956	32,000
7,218	4,904	9,440	7,996	8,710	7,620	8,140	11,442	8,622	9,296	8,500
15,280	15,412	16,402	12,642	11,776	12,052	11,978	12,326	10,110	11,982	10,000
2,850	3,472	3,538	3,196	2,468	2,308	1,802	2,756	2,526	2,952	2,600
2,052	1,784	2,848	3,042	2,538	2,634	2,238	2,120	3,018	2,622	3,000
8,610	8,118	9,148	7,080	8,770	7,680	8,996	8,082	7,582	8,206	7,500
61,022	1,305,946	1,469,530	719,824	1,414,940	947,230	1,424,452	1,316,162	1,229,658	1,223,286	885,700
11,000	164,000	173,000	190,000	201,000	180,000	182,000	160,270	157,526	175,266	141,900
24,070	35,892	29,432	37,796	31,292	37,700	28,750	36,020	41,240	31,840	25,000
19,294	134,784	96,796	100,414	103,652	107,282	150,930	234,482	45,018	59,500	50,000
15,386	1,640,622	1,768,758	1,048,034	1,750,884	1,272,212	1,786,132	1,746,934	1,473,442	1,489,892	1,103,000
62,928	294,100	344,890	165,164	290,248	171,692	304,290	299,728	227,474	235,746	171,000
52,458	1,346,522	1,423,868	822,870	1,460,636	1,100,520	1,481,842	1,447,206	1,245,968	1,254,146	931,500

	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
6	574,030	520,146	355,518	735,592	638,504	388,154	646,960	611,988	541,832	723,112
8	41,366	35,978	24,658							
4	1,650	1,492	1,474	1,680	1,466	2,672	2,358	1,998	2,164	2,132
2	3,688	3,558	2,926	5,184	4,266	4,030	4,136	4,142	3,978	4,722
6	120,884	129,062	102,584	144,474	141,694	126,502	134,870	148,178	117,806	159,302
0	41,540	35,554	29,674	46,690	45,061	34,142	42,992	43,732	36,478	48,134
6	9,784	8,748	8,720	8,264	8,434	10,700	10,450	8,802	9,442	10,624
0	6,808	8,584	8,322	8,236	6,562	8,000	6,424	7,344	7,048	6,876
0	8,960	8,938	8,484	9,638	10,388	10,524	9,496	8,470	8,758	9,746
2	33,376	35,482	23,854	31,744	32,136	28,848	29,988	29,716	28,022	35,240
4	3,100	3,880	3,298	3,354	3,374	3,950	3,400	3,406	3,362	3,468
8	15,536	16,998	15,608	15,252	15,654	16,468	15,254	16,034	16,038	17,586
0	3,960	3,558	3,706	3,328	3,508	4,112	4,178	4,374	4,442	4,322
6	15,970	17,140	11,870	15,524	17,648	3,764	17,350	16,110	13,630	17,830
4	3,282	3,338	2,918	4,354	3,432	13,796	3,532	3,386	3,288	3,514
8	21,624	25,942	23,214	23,096	20,018	23,312	20,772	22,764	26,276	31,226
8	18,036	17,178	13,390	20,590	22,844	16,528	21,020	22,260	15,006	17,584
8	8,738	8,584	7,608	7,990	9,194	8,762	8,974	8,424	8,802	9,762
2	18,118	18,958	17,144	19,132	19,872	20,470	20,528	17,896	18,180	18,814
4	11,448	12,274	11,030	11,714	11,446	11,162	11,382	14,348	10,998	12,632
2	95,864	109,070	65,170	111,016	110,312	85,148	97,746	100,138	83,308	111,026
4	5,714	6,800	6,090	6,462	6,370	7,624	8,174	7,662	7,318	7,262
2	17,556	17,530	18,938	18,562	13,004	20,360	21,714	18,320	19,698	17,206
4	69,000	84,294	49,120	85,240	78,830	60,256	76,344	73,100	70,164	93,592
2	3,838	4,526	3,956	4,100	4,886	3,584	4,318	4,528	4,284	5,750
4	2,580	3,030	2,510	2,422	3,448	2,482	3,244	2,574	2,658	2,662
6	41,220	46,956	32,014	50,662	41,020	49,060	44,988	52,910	44,172	66,196
2	8,622	9,296	8,540	7,556	7,938	10,196	7,942	8,848	8,072	10,414
6	10,110	11,982	10,130	10,210	11,440	12,650	12,588	101,158	10,864	13,586
0	2,526	2,952	2,668	2,970	2,656	2,288	3,024	2,584	2,688	2,452
2	3,018	2,622	3,102	2,772	2,812	3,962	3,010	1,630	2,552	2,436
8	7,582	8,206	7,532	7,492	7,606	7,554	7,558	9,534	7,378	8,388
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	1,477,596
70	157,526	175,266	141,956	157,422	125,778	166,838	169,168	170,570	153,418	176,440
20	41,240	31,840	25,150	26,830	40,838	37,678	33,142	80,292	26,588	34,398
82	45,018	59,500	50,794	68,384	69,956	55,018	51,396	19,088	20,768	85,150
34	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	1,773,584
28	227,474	235,746	171,736	343,116	273,076	198,518	240,752	265,286	217,436	373,294
06	1,245,968	1,254,146	931,914	1,334,730	1,269,214	1,061,076	1,317,658	1,240,022	1,122,052	1,400,290

	1939	1940	1941	1942	1943	1944
Board of Control						
New York Stock	572,374	567,126	600,416	660,248	767,530	616,514
Penitentiary						
Bubb	2,006	1,746	1,582	1,570	2,062	1,764
Ridenlaugh	4,278	3,918	4,740	4,154	4,874	4,338
Settlers	147,684	148,658	160,804	144,804	161,430	126,146
Thurman Mill	43,292	40,520	46,556	43,064	50,082	40,062
Consumers	11,532	9,632	9,410	11,612	9,098	9,670
Boise City	8,326	6,826	5,658	6,630	6,884	5,888
Farmers Union	9,944	9,114	10,086	9,296	9,966	8,940
Capital View	33,645	26,168	35,618	35,736	36,180	29,700
Boise Valley	3,498	3,468	3,560	2,282	2,174	2,022
New Union	17,631	16,274	17,494	16,676	15,802	13,598
New Dry Creek	4,036	3,904	4,582	3,524	3,896	3,836
Ballantine	15,252	14,502	17,978	17,752	18,080	17,572
Middleton Water Co.	3,698	3,562	3,250	3,316	3,962	3,610
Middleton Mill Ditch	31,488	33,620	34,504	30,278	38,602	39,530
Little Pioneer	15,042	15,640	14,564	13,858	16,760	11,124
Canyon Water Co.	8,318	7,044	7,920	7,108	7,994	7,250
7 Eagle Island Canals	19,960	17,878	20,308	18,406	19,968	18,708
Phyllis	12,398	10,256	12,326	12,720	11,394	12,450
Eureka Water Co.	98,038	92,608	104,914	93,564	117,060	85,268
Caldwell High Line	8,406	7,576	9,340	8,402	8,348	7,962
Farmers Coop.	21,466	20,974	20,100	17,852	17,618	20,424
Campbell	68,918	69,200	78,736	80,164	98,036	70,786
Siebenberg	6,364	3,824	4,272	5,040	5,510	4,422
Riverside No. 2	3,260	2,862	2,774	2,102	2,298	2,488
Pioneer Dixie	48,444	47,128	60,012	52,152	54,118	41,684
Eureka No. 2	13,248	12,164	11,994	13,566	12,706	15,336
Upper Center Point	15,256	15,416	14,750	12,896	16,294	11,830
Lower Center Point	3,472	3,538	3,764	3,588	3,782	4,126
Miscellaneous	3,944	4,596	4,890	4,196	3,344	4,112
	8,360	6,856	8,324	8,284	7,800	7,036
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
New York Canal Diversions						
October 1 to March 31	133,534	172,234	175,014	151,154	152,266	145,568
Irrigation Requirements Below Diversion Dam During October	20,550	19,562	22,856	28,638	25,370	25,074
Amount passing Diversion Dam						
November 1 to April 1	65,456	35,898	29,972	39,348	437,346	32,026
Total	1,483,118	1,454,312	1,563,068	1,563,780	2,150,630	1,451,664
Summer Return Flow	235,740	263,936	334,394	281,650	275,866	248,672
Natural Flow Used	1,247,378	1,190,476	1,228,674	1,282,130	1,874,770	1,202,992

Combined with Board of Control

1943	1944	1945	1946
767,530	616,514	681,736	721,472
2,062	1,764	1,656	2,212
4,874	4,338	5,316	5,172
161,430	126,146	129,942	154,442
50,082	40,062	42,006	47,080
9,096	9,670	11,770	9,086
6,884	5,888	7,070	6,726
9,966	6,940	8,468	9,352
36,180	29,700	32,990	38,252
2,174	2,022	2,120	2,180
15,802	13,598	14,976	17,686
3,896	3,836	4,016	3,984
18,080	17,572	20,094	19,218
3,962	3,610	3,706	4,076
38,602	39,530	29,456	28,628
16,760	11,124	14,728	19,084
7,994	7,250	9,202	10,692
19,968	18,708	19,900	20,354
11,394	12,450	12,060	13,772
117,060	85,268	84,672	107,768
8,348	7,962	8,034	8,332
17,618	20,424	20,730	18,832
98,036	70,786	77,664	93,136
5,510	4,422	5,164	5,944
2,290	2,488	2,350	2,658
54,118	41,684	48,758	43,604
12,706	15,336	15,076	13,472
16,294	11,830	14,818	19,674
3,782	4,126	4,090	4,438
3,344	4,912	3,784	3,788
7,800	7,036	7,926	7,822

35,654	1,248,996	1,344,290	1,462,936
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52,266	145,568	151,102	153,260
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25,370	25,074	14,858	18,364
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37,346	32,026	29,302	69,026
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50,636	1,451,664	1,539,552	1,703,586
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75,866	248,672	264,190	291,322
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74,770	1,202,992	1,275,362	1,412,264
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No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	9	9	9	9	9	9	9	9	9	9	9
2.	Davis Drain	5	5	5	5	5	5	5	5	5	5	5
3.	Thurman Drain	9	9	9	9	9	9	9	9	9	9	9
4.	Loise Sewer	8	8	8	8	8	8	8	8	8	8	8
5.	Eagle Drain	13	13	13	13	13	14	14	14	14	14	15
6.	South Middleton Drain	16	16	16	16	16	18	18	19	19	20	20
7.	North Middleton Drain	10	10	10	12	12	12	14	14	16	16	18
8.	Hartley Drain	2	2	2	2	2	2	2	2	2	2	2
9.	Phyllis Waste	3	3	3	3	3	3	3	3	3	3	4
10.	Mason Creek	12	12	12	14	14	14	16	16	16	17	18
11.	Mason Drain	34	34	36	36	37	38	38	38	38	40	40
12.	Indian Creek	40	40	40	40	40	40	40	40	40	40	40
	Total	161	161	163	167	170	172	176	177	179	183	189

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	11	11	11	11	11	11	11	11	11	11	11
2.	Davis Drain	7	7	7	7	7	7	7	7	7	7	7
3.	Thurman Drain	12	12	12	12	12	12	12	13	13	13	13
4.	Loise Sewer	9	9	9	9	9	9	9	9	9	9	9
5.	Eagle Drain	23	25	29	30	32	32	34	35	37	39	40
6.	South Middleton Drain	68	72	70	70	69	69	69	68	68	68	68
7.	North Middleton Drain	49	50	48	47	45	42	40	37	34	32	30
8.	Hartley Drain	17	18	18	18	18	19	19	19	19	19	19
9.	Phyllis Waste	4	4	4	4	4	4	4	4	4	4	4
10.	Mason Creek	6	6	6	7	7	7	8	8	8	9	9
11.	Mason Drain	41	40	43	46	49	52	55	58	61	64	67
12.	Indian Creek	77	80	82	84	86	88	90	92	94	96	98
	Total	324	334	339	345	349	352	358	361	365	371	375

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1946

APRIL

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10
5	5	5	5	5	5	5	6	6	6	6	6	6	6	6	6
9	9	10	10	10	10	10	10	10	10	10	10	11	11	11	11
6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
14	14	15	15	15	15	15	16	16	16	16	16	17	17	17	17
19	20	20	21	21	23	23	25	25	27	29	30	32	34	38	41
16	16	18	20	20	20	21	21	23	23	25	27	29	31	34	38
2	2	2	4	4	4	5	5	5	5	6	6	6	8	8	10
3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4
16	17	18	18	18	19	19	18	18	16	16	14	14	12	12	12
38	40	40	40	40	40	40	40	42	42	44	46	46	46	45	44
40	40	40	42	43	45	46	48	50	51	53	55	54	56	57	55
179	183	189	196	197	202	205	211	217	218	227	232	237	243	250	259

MAY

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
11	11	11	11	11	11	11	12	12	12	12	12	12	12	12	12
7	7	7	7	7	7	7	8	8	8	8	8	8	8	8	8
13	13	13	13	13	13	14	14	14	14	14	14	14	15	15	15
9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10
37	39	40	40	40	41	43	44	44	45	47	48	48	48	49	49
68	68	68	67	67	67	67	66	66	66	66	65	65	65	65	64
34	32	30	28	27	25	24	24	24	23	23	23	21	21	21	21
19	19	19	19	19	20	20	20	20	20	20	20	21	21	21	21
4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12
61	64	67	70	74	78	82	86	90	94	98	102	106	110	114	118
94	96	98	100	102	105	108	111	114	117	120	123	126	129	132	135
365	371	375	378	383	391	400	409	416	424	433	440	446	455	463	469

CHART NO. 8

20	21	22	23	24	25	26	27	28	29	30	Total
10	10	10	10	10	10	10	10	10	10	10	285
6	6	6	6	6	6	6	6	6	6	6	165
10	11	11	11	11	11	11	11	11	11	11	300
8	8	8	8	8	8	8	8	8	8	8	240
16	17	17	17	17	17	17	18	18	20	21	469
30	32	34	38	42	46	50	54	58	62	65	901
27	29	31	34	38	39	41	43	45	47	48	739
6	6	8	8	10	13	16	14	15	17	16	169
4	4	4	4	4	4	4	4	4	4	4	110
14	14	12	12	12	10	10	10	10	8	8	423
46	46	46	45	45	43	43	42	42	42	41	1,218
55	54	56	57	55	58	60	63	67	71	74	1,488
232	237	243	250	258	265	276	283	294	306	312	6,527

20	21	22	23	24	25	26	27	28	29	30	31	Total
12	12	12	12	12	13	13	13	13	13	13	13	364
8	8	8	8	8	8	8	8	8	8	8	8	233
14	14	15	15	15	15	15	15	15	16	16	16	426
10	10	10	10	10	10	11	11	11	11	11	11	305
48	48	48	49	49	50	50	51	51	52	53	55	1,304
65	65	65	65	64	64	64	63	63	62	62	62	2,055
23	21	21	21	21	21	21	21	21	22	22	22	909
20	21	21	21	21	22	22	22	22	22	22	22	619
4	4	4	4	4	4	4	4	4	4	4	4	124
11	11	12	12	12	13	13	14	15	16	16	17	323
102	106	110	114	118	117	115	114	112	111	109	108	2,584
123	126	129	132	135	136	137	138	139	140	141	142	3,462
440	446	455	463	469	473	473	474	474	477	477	480	12,708

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3	14	14	14	14	14	14	14	14	14	14
2.	Davis Drain	9	9	9	9	9	9	9	9	9	9
3.	Thurman Drain	16	16	16	16	17	17	17	17	17	17
4.	Boise Sewer	11	11	11	11	11	11	11	11	11	11
5.	Eagle Drain	57	59	61	63	65	67	63	59	55	53
6.	South Middleton Drain	61	57	54	52	50	48	47	46	45	44
7.	North Middleton Drain	22	23	23	23	24	24	24	25	25	25
8.	Hartley Drain	21	21	21	21	21	20	20	20	20	20
9.	Phyllis Waste	4	4	4	4	4	4	4	4	4	4
10.	Mason Creek	17	18	18	20	20	21	21	23	24	25
11.	Mason Drain	107	106	105	104	103	102	101	100	99	98
12.	Indian Creek	143	144	145	146	147	148	149	150	151	152
	Total	482	482	481	483	485	485	480	478	474	472

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	16	16	16	17	17	17	16	15	14	13	13
2.	Davis Drain	10	10	10	10	10	10	10	10	10	10	10
3.	Thurman Drain	21	21	21	21	21	22	22	22	22	22	23
4.	Boise Sewer	10	10	10	10	10	10	10	10	10	10	10
5.	Eagle Drain	52	55	59	63	67	70	70	70	70	70	69
6.	South Middleton Drain	70	70	70	70	70	71	71	71	71	71	69
7.	North Middleton Drain	30	30	30	30	30	30	30	30	30	31	31
8.	Hartley Drain	23	23	23	24	24	24	25	25	26	26	26
9.	Phyllis Waste	9	9	9	9	9	8	8	8	8	8	7
10.	Mason Creek	18	20	21	23	22	24	23	25	23	21	22
11.	Mason Drain	103	102	100	98	96	94	92	90	90	90	90
12.	Indian Creek	166	164	161	159	156	154	151	148	147	146	145
	Total	528	530	530	534	532	534	528	524	521	518	515

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1946

JUNE

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
14	14	14	14	14	14	15	15	15	15	15	15	15	15	15	15
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
17	17	18	18	18	18	18	19	19	19	19	19	19	19	20	20
11	11	11	11	11	11	11	11	11	11	11	11	10	10	10	10
53	51	49	47	45	45	45	45	45	45	45	45	45	45	45	45
14	43	42	41	40	42	44	46	48	50	52	54	56	58	60	62
25	25	26	26	26	27	27	27	29	29	30	30	30	30	30	30
20	19	19	19	19	19	19	19	20	20	20	20	21	21	21	22
4	5	5	5	5	5	5	5	5	5	5	6	6	6	7	7
5	26	26	26	24	24	23	23	22	20	18	17	16	15	14	12
8	97	98	99	100	101	102	103	104	105	105	106	106	107	107	108
2	154	155	157	158	160	161	163	164	166	167	169	171	173	175	177
2	471	472	472	469	475	479	485	491	494	496	501	504	509	513	518

JULY

	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
0	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
3	13	14	14	15	15	16	16	17	17	17	17	17	17	17	17
0	10	10	11	11	11	11	11	11	10	10	10	10	10	10	10
2	23	23	23	23	23	24	24	24	24	24	25	25	25	25	25
0	10	10	10	10	10	10	10	10	10	10	10	9	9	9	9
0	69	68	67	66	65	64	63	63	62	62	61	61	60	60	59
1	69	67	63	60	58	57	55	54	52	51	49	47	46	44	43
6	31	31	32	32	32	32	33	33	33	34	34	35	36	38	40
6	26	27	27	27	28	28	29	30	31	31	31	33	34	34	36
8	7	7	7	7	7	7	7	7	8	8	8	9	9	9	10
1	22	20	19	17	18	16	15	17	14	15	17	16	15	14	16
0	90	90	89	89	89	89	89	88	88	87	87	87	87	87	87
6	145	144	143	142	141	140	139	138	137	135	133	131	129	127	125
8	515	511	505	499	497	494	491	492	486	484	482	480	477	474	477

CHART NO. 8-A

19	20	21	22	23	24	25	26	27	28	29	30	Total	
15	15	15	15	15	15	16	16	16	16	16	16	441	
9	9	9	9	9	9	9	9	9	9	9	9	270	
19	19	19	19	20	20	20	20	20	20	21	21	549	
11	11	11	10	10	10	10	10	10	10	10	10	321	
45	45	45	45	45	45	45	45	45	45	46	49	1,519	
50	52	54	56	58	60	62	64	66	68	70	70	1,580	
29	30	30	30	30	30	30	30	30	30	30	30	810	
20	20	20	21	21	21	22	22	22	22	22	22	613	
5	5	6	6	6	7	7	8	8	8	9	9	165	
20	18	17	16	15	14	12	10	12	14	16	17	582	
105	105	106	106	107	107	108	108	107	106	105	104	3,103	
166	167	169	171	173	175	177	179	177	174	171	169	4,815	
494	496	501	504	509	513	518	521	522	523	525	526	14,768	
19	20	21	22	23	24	25	26	27	28	29	30	31	Total
17	17	17	17	17	17	17	17	17	17	17	17	17	498
10	10	10	10	10	10	10	10	10	10	9	9	9	313
24	24	25	25	25	25	25	26	26	26	26	26	26	731
10	10	10	9	9	9	9	9	9	9	9	9	9	300
62	62	61	61	60	60	59	58	57	55	53	51	49	1,919
52	51	49	47	46	44	43	42	41	42	44	47	50	1,786
33	34	34	35	36	38	40	42	43	40	38	34	30	1,034
31	31	31	33	34	34	36	37	38	31	25	22	20	868
8	8	8	9	9	9	10	10	10	9	9	9	9	258
14	15	17	16	15	14	16	13	14	15	17	20	23	573
88	87	87	87	87	87	87	87	87	88	88	89	91	2,808
37	135	133	131	129	127	125	123	121	128	135	142	148	4,398
86	484	482	480	477	474	477	474	473	470	470	475	481	15,486

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	18	18	18	18	18	18	18	18	18	18	18
2.	Davis Drain	9	9	9	9	9	9	9	9	9	9	9
3.	Thurman Drain	27	27	27	27	27	26	26	26	26	26	26
4.	Boise Sewer	9	9	9	9	9	9	9	9	9	9	9
5.	Eagle Drain	49	49	49	48	48	48	48	47	47	47	47
6.	South Middleton Drain	53	52	50	51	49	47	45	43	41	39	37
7.	North Middleton Drain	26	25	24	23	22	21	20	20	19	19	18
8.	Hartley Drain	19	19	19	20	20	20	21	21	21	22	22
9.	Phyllis Waste	8	8	8	8	7	7	7	7	6	6	6
10.	Mason Creek	27	29	28	30	31	29	28	30	31	32	31
11.	Mason Drain	94	92	90	88	86	84	82	80	77	74	71
12.	Indian Creek	154	153	152	151	150	149	148	147	146	145	144
	Total	493	490	483	482	476	467	461	457	450	446	437

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	16	16	16	16	16	16	16	16	16	16	16
2.	Davis Drain	9	9	9	9	9	9	9	9	9	9	9
3.	Thurman Drain	21	21	21	21	21	21	21	20	20	20	20
4.	Boise Sewer	9	9	9	9	9	9	9	9	9	9	9
5.	Eagle Drain	47	47	47	47	47	47	47	47	47	47	47
6.	South Middleton Drain	33	33	33	33	34	34	34	36	36	39	41
7.	North Middleton Drain	30	30	31	31	31	31	31	31	31	31	31
8.	Hartley Drain	16	15	15	15	15	16	16	16	17	17	17
9.	Phyllis Waste	9	10	10	10	10	11	11	11	11	12	12
10.	Mason Creek	21	23	22	21	20	19	21	23	25	24	27
11.	Mason Drain	73	74	74	74	74	78	82	86	90	95	100
12.	Indian Creek	134	134	133	132	132	130	130	130	130	130	128
	Total	418	421	420	418	418	421	427	434	441	449	457

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1946

AUGUST

0	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
8	18	18	18	18	18	17	17	17	17	17	17	17	17	17	17
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
6	25	25	25	25	25	24	24	24	24	24	23	23	23	23	23
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
7	47	46	46	46	45	45	45	45	45	45	45	45	46	46	46
5	37	35	35	35	35	35	35	35	35	34	34	34	34	34	34
19	18	16	19	19	20	20	20	21	21	22	22	23	23	24	24
22	22	22	21	21	21	20	20	20	19	19	19	19	18	18	18
6	6	6	5	5	5	5	6	6	6	6	7	7	7	7	8
32	31	32	30	29	27	28	26	29	27	25	24	28	27	26	23
74	71	69	69	69	69	69	70	70	70	70	71	71	71	71	72
45	144	143	143	143	142	142	142	141	141	140	140	139	139	138	138
46	437	432	429	428	425	423	423	426	423	420	420	424	423	422	421

SEPTEMBER

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
16	16	16	16	16	16	16	15	15	15	15	15	15	15	15	15
9	9	9	9	9	9	8	8	8	8	8	8	8	8	8	8
20	20	20	20	20	20	20	19	19	19	19	19	18	18	18	18
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
47	47	47	47	46	46	46	45	45	45	45	45	45	42	42	42
89	41	43	44	46	48	51	53	55	58	53	50	46	43	40	40
31	31	31	31	31	30	30	30	30	30	30	29	29	29	29	28
17	17	18	18	18	19	19	19	19	19	19	20	20	20	20	20
12	12	12	12	13	13	13	13	14	14	14	14	14	15	15	15
24	27	28	29	26	28	31	32	30	33	32	30	29	26	27	28
5	100	105	110	115	120	125	130	135	135	140	140	140	135	135	130
30	128	128	128	126	127	129	130	122	120	120	124	118	121	115	117
49	457	466	473	475	485	497	503	501	505	504	503	491	481	473	470

CHART NO. 8-B

20	21	22	23	24	25	26	27	28	29	30	31	Total
17	17	17	17	17	17	17	17	17	17	17	17	542
9	9	9	9	9	9	9	9	9	9	9	9	279
24	23	23	23	23	23	22	22	22	22	22	21	756
9	9	9	9	9	9	9	9	9	9	9	9	279
45	45	45	46	46	46	46	46	46	47	47	47	1,442
34	34	34	34	34	34	34	34	34	33	33	33	1,192
22	22	23	23	24	24	25	27	29	29	29	30	702
19	19	19	18	18	18	17	17	17	16	16	16	598
6	7	7	7	7	8	8	8	8	9	9	9	215
25	24	28	27	26	23	25	24	21	26	25	24	852
70	71	71	71	71	72	72	72	72	73	73	73	2,334
140	140	139	139	138	138	137	137	136	136	135	135	4,426
420	420	424	423	422	421	421	422	420	426	424	423	13,617

20	21	22	23	24	25	26	27	28	29	30	Total
15	15	15	15	15	15	15	15	15	15	15	466
8	8	8	8	8	8	8	8	8	8	8	255
19	19	18	18	18	18	18	18	18	18	18	584
9	9	9	9	9	9	9	9	9	9	9	270
45	45	45	42	42	42	40	40	40	40	40	1,345
53	50	46	43	40	40	40	40	40	40	40	1,256
30	29	29	29	29	28	28	28	28	27	27	894
19	20	20	20	20	20	18	18	18	18	18	533
14	14	14	15	15	15	13	13	13	13	13	373
32	30	29	26	27	28	26	24	22	23	23	773
140	140	140	135	135	130	130	130	120	110	110	3,295
120	124	118	121	115	117	114	115	117	119	116	3,747
504	503	491	481	473	470	459	458	448	440	437	13,793

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM
 CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUS)
 TRIBUTARY GAIN - SEEPAGE GAIN - NET GAIN - BY MONTHS IN ACRE FEET
 IRRIGATION SEASON 1946

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	630,546	621,248	341,236	223,880	182,564	108,500
Deliveries to Canals	658,210	675,290	402,934	279,362	230,666	159,500
Tributary Gain	13,054	25,416	29,536	30,972	27,234	27,500
Seepage Gain	14,610	28,626	32,162	24,510	20,870	22,900
Net Gain	27,664	54,042	61,698	55,482	48,104	50,500

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 1946

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	10,509	10,520	5,687	3,611	2,944	1,800
Deliveries to Canals	10,970	10,872	6,715	4,500	3,720	2,000
Tributary Gain	113	410	492	500	427	400
Seepage Gain	243	462	536	395	357	380
Net Gain	461	872	1,028	895	716	800

Chart No. 9

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

IRRIGATION SEASON 1946

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
630,546	621,248	341,236	223,880	182,564	108,950	2,108,424
658,210	675,290	402,734	279,362	230,666	159,502	2,405,966
13,054	25,416	29,536	30,972	27,234	27,586	153,798
14,610	28,626	32,162	24,510	20,870	22,966	143,744
27,664	54,042	61,698	55,482	48,104	50,552	297,512

FOUR 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 1946

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
10,509	10,320	5,637	3,611	2,944	1,815	34,586
10,970	10,872	6,715	4,500	3,720	2,658	39,461
218	410	432	500	439	460	2,519
243	462	536	395	337	385	2,358
461	872	1,028	895	776	843	4,875

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

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

	SECTION 1			
	1946			
	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Diversion Dam	223,880	182,564	108,950	515,394
Deliveries to Canals	238,040	200,770	120,846	559,656
Tributary Gain	7,522	6,596	5,840	19,958
Seepage Gain	6,638	11,610	6,056	24,304
Net Gain	14,160	18,206	11,896	44,262

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			
	1946			
	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Diversion Dam	3,611	2,944	1,816	8,771
Deliveries to Canals	3,839	3,238	2,014	9,091
Tributary Gain	121	107	97	325
Seepage Gain	107	187	101	395
Net Gain	228	294	193	720

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE

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

SECTION 2

1946

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	506	410	680	1,596
Deliveries to Canals	41,828	33,240	39,336	114,404
Tributary Gain	23,450	20,638	21,746	65,834
Seepage Gain	17,872	12,192	16,910	46,974
Net Gain	41,322	32,830	38,656	112,808

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

1946

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	8	7	11	26
Deliveries to Canals	674	536	656	1,866
Tributary Gain	378	333	363	1,074
Seepage Gain	288	196	282	766
Net Gain	666	529	645	1,840

BOISE VALLEY CANALS AND ACREAGE

Board of Control (New York)			
New York Irrig. District.....	17,763	Lemp Ditch-Eagle Island	273 acres
Boise-Kuna Irrig. District...	48,458	Canyon County.....	3,790 "
Nampa-Meridian Irrig. Dist...	40,193	Warm Springs Slough....	461 "
Wilder Irrig. District.....	56,622	Joplin Ditch.....	103 "
Big Bend Irrig. District.....	1,725	Conway & Hamming.....	285 "
TOTAL BOARD OF CONTROL		Thos. Aiken.....	260 "
Ridenbaugh.....	164,761 acres	Catlin & Mace.....	536 "
Rein & Keoh (Included in Ridenbaugh)	26,747 "	Hart & Davis.....	550 "
Bahler.(Included in Ridenbaugh)		Graham & Gilbert.....	220 "
Bubb.....	745 "	Seven Suckers.....	52 "
Meeves.....	90 "	Pioneer Irr. Dist.....	34,500 "
Rossi Mill.....	500 "	Eureka Water Co.....	1,666 "
Manville-Leonard.....	175 "	Franklin & Mason Creek.	4,010 "
Settlers.....	12,300 "	Farmers Co-op. Ditch Co.	15,500 "
Davis.....	770 "	Canyon Ditch Co.....	802 "
Thurman Mill.....	1,858 "	Siebenberg Co-op.....	646 "
Cruzen.....	2,500 "	Riverside Irrig. Dist..	10,645 "
Boise City.....	1,903 "	Pioneer Dixie.....	2,015 "
Farmer's Union.....	8,300 "	Eureka Ditch Co.....	2,595 "
Boise Valley.....	2,729 "	Upper Center Point.....	621 "
Capital View.....	600 "	Lower Center Point.....	845 "
New Union.....	688 "	Bowman & Swisher.....	464 "
New Dry Creek.....	3,056 "	Marmom.....	908 "
Ballantine.....	758 "	Haas.....	427 "
Middleton Water.....	5,704 "	Andrews.....	1,810 "
Middleton Mill Ditch Co.....	4,400 "	Stockton.....	396 "
Little Pioneer.....	1,286 "	Niel O'Donnell.....	60 "
		Island High Line.....	1,000 "
		TOTAL	325,310 "

DRAINAGE WATER (not diverted from Boise River)

Black Canyon Irrigation Dist.....	6,500 acres	
Caldwell Irrigation District.....	850 "	
Moreland & Vail (Dixie Drain).....	640 "	
		<u>7,990</u> "
GRAND TOTAL		333,300 "

This acreage is based, in some instances, upon actual surveys and in other cases upon the acreage as determined at the time of the Stewart Decree and is the best information available at the present time. (February 14, 1941)

Ridenbaugh represents old lands within the Nampa and Meridian Irrigation District that are watered by the old Ridenbaugh water rights in the Stewart Decree. The balance of the Nampa and Meridian Irrigation District lands are included under the Board of Control. (Some of the acreages were revised April 10, 1944)

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

1946

	Acre Feet Diverted	Acres Irrigated	Acre Feet Per Acre Diverted
# Board of Control	721,472	164,761	4.38
Penitentiary	2,212	429	5.16
Pubb	5,172	745	6.94
Ridenbaugh	154,442	27,000	5.72
Settlers	47,080	12,300	3.83
Thurman	9,086	1,858	4.89
Consumers	6,726	2,500	2.69
Boise City	9,352	1,903	4.91
Farmers Union & Wise	40,432	8,900	4.54
Boise Valley	17,686	2,729	6.48
New Union	3,984	688	5.79
New Dry Creek	19,218	2,720	7.07
Ballantine	4,076	700	5.82
Middleton Irrigation Assoc.	28,628	5,704	5.02
Middleton Mill	19,084	4,400	4.34
Little Pioneer	10,692	1,286	8.31
Canyon County	20,354	3,790	5.37
7 Eagle Island Canals	13,772	2,363	5.83
Phyllis	107,768	23,500	4.59
Eureka #1	8,332	1,666	5.00
Caldwell High Line	18,832	4,010	4.70
Farmers Coop.	93,136	15,500	6.01
Canyon (Campbell)	5,944	802	7.41
Siebenberg	2,658	646	4.11
Riverside #2	43,604	10,645	4.10
Pioneer Dixie	13,472	2,015	6.69
Eureka #2	19,674	2,595	7.58
Upper Center Point	4,438	621	7.15
Lower Center Point	3,788	845	4.48
Miscellaneous	7,822	1,493	5.24
Total	1,462,936	309,114	4.73

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

CANAL	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
Ridenbaugh	4.14	3.38	4.49	4.47	4.27	5.15	4.82	5.44	3.51	5.43	4.33	5.29	5.30
Settlers	3.31	2.64	2.89	3.02	3.33	3.93	3.98	3.87	2.55	4.30	2.90	3.89	3.52
Farmers Union	4.32	3.46	4.55	3.61	3.83	5.71	5.55	6.12	3.42	6.27	3.37	5.97	5.16
Boise Valley	4.74	2.37	4.17	4.87	5.03	5.18	5.65	6.28	5.20	4.66	5.54	6.01	6.15
New Dry Creek	4.60	3.85	3.93	4.51	5.14	5.88	6.14	6.22	4.49	6.78	5.23	6.74	6.55
Ballantine	3.47	3.03	4.22	6.16	5.00	4.25	6.75	7.31	5.22	4.46	6.10	6.33	6.18
Middleton Irr. Assn.	3.75	2.78	4.57	3.68	4.27	4.95	5.44	5.18	4.58	6.08	4.20	6.57	4.80
Middleton Mill	4.65	4.83	4.70	4.65	4.71	4.65	7.45	8.23	4.28	8.64	4.40	7.50	6.09
Phyllis	4.95	5.12	4.92	4.94	4.74	5.25	5.26	5.69	2.78	5.71	3.20	5.25	5.17
Little Pioneer	5.15	4.25	4.59	4.64	5.29	4.53	5.17	6.13	4.98	7.32	5.93	5.79	6.99
Canyon County	4.76	3.74	4.23	4.02	3.79	6.30	6.15	6.01	4.99	5.20	5.00	5.73	5.01
Farmers Coop.	5.58	4.49	5.48	4.36	5.45	6.00	5.27	5.76	2.55	5.75	3.37	5.92	5.11
Canyon (Campbell)	3.34	3.25	2.94	2.68	2.68	3.60	2.84	3.80	2.57	3.24	2.45	3.37	3.85
Siebenberg	4.68	3.59	4.47	4.21	4.45	4.57	4.03	4.68	2.75	4.05	3.65	3.40	3.72
Pioneer Dixie	1.76	1.42	1.77	1.75	1.56	2.34	1.59	3.06	2.59	2.83	2.47	2.64	3.71
Eureka No. 2	4.15	3.58	4.36	4.79	5.21	5.53	5.25	6.40	4.94	4.60	4.71	4.68	4.81
Upper Center Point	5.13	3.69	4.75	5.15	4.58	4.48	5.46	5.56	5.03	3.88	3.63	2.83	4.33
Lower Center Point	1.41	1.18	1.94	1.57	2.50	1.57	1.36	2.18	2.32	1.94	2.01	1.71	6.17
Average	4.33	3.84	4.35	4.15	4.32	5.09	4.96	5.45	3.33	5.44	3.74	5.29	5.03

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

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939	1940	1941
5.43	4.33	5.29	5.30	4.84	5.16	4.10	5.78	5.67	5.06	5.00	5.49	4.36	5.90	5.47	5.51	5.96
4.30	2.90	3.89	3.52	3.38	2.89	2.41	3.80	3.66	2.78	3.50	3.56	2.97	3.91	3.52	3.29	3.79
6.27	3.37	5.97	5.16	4.50	4.86	3.35	4.33	4.38	4.05	3.61	3.60	3.53	4.35	4.17	3.33	4.40
4.66	5.54	6.01	6.15	5.69	6.23	5.72	5.59	5.74	6.04	5.11	5.88	5.88	6.44	6.46	5.96	6.41
6.78	5.23	6.74	6.55	5.87	6.30	4.36	5.71	6.48	5.07	6.38	5.92	5.01	6.56	5.61	5.33	6.61
4.46	6.10	6.33	6.18	5.85	5.78	5.05	7.53	5.94	6.51	5.03	4.84	4.70	5.02	5.28	5.09	4.64
6.08	4.20	6.57	4.80	3.79	4.55	4.07	4.05	3.51	4.09	3.64	3.99	4.61	5.47	5.52	5.89	6.05
8.64	4.40	7.50	6.09	5.56	5.29	4.13	6.34	7.04	5.09	4.78	5.06	3.41	4.00	3.42	3.56	3.31
5.71	3.20	5.25	5.17	4.36	4.96	2.96	5.05	5.01	3.87	4.16	4.26	3.55	4.72	4.17	3.94	4.46
7.32	5.93	5.79	6.99	6.89	6.67	5.92	6.21	7.14	6.81	6.98	6.55	6.84	7.59	6.47	5.48	6.16
5.20	5.00	5.73	5.01	4.78	5.00	4.52	5.05	5.24	5.40	5.42	4.72	4.80	4.96	5.27	4.72	5.36
5.75	3.37	5.92	5.11	4.45	5.48	3.17	5.50	5.08	3.89	4.93	4.72	4.53	6.04	4.45	4.46	5.08
3.24	2.45	3.37	3.85	2.78	3.27	2.86	2.97	3.53	2.59	5.38	5.65	5.34	7.17	7.94	4.77	5.33
4.05	3.65	3.40	3.72	3.36	3.95	3.27	3.16	4.49	3.24	5.02	3.98	4.11	4.12	5.05	4.43	4.29
2.83	2.47	2.64	3.71	2.80	3.02	2.76	2.45	2.57	3.31	3.94	4.39	4.01	5.17	6.57	6.05	5.95
4.60	4.71	4.68	4.81	3.95	4.68	3.95	3.99	4.46	4.94	4.85	3.91	4.19	5.24	5.88	5.94	5.68
3.88	3.63	2.83	4.33	3.97	4.64	4.19	4.67	4.17	3.60	4.87	4.16	4.33	3.95	5.59	5.70	6.06
1.94	2.01	1.71	6.17	2.31	2.00	2.37	2.12	2.14	3.03	3.56	1.93	3.02	2.88	4.67	5.44	5.79
5.44	3.74	5.29	5.03	4.44	4.80	3.52	4.96	4.90	4.23	4.56	4.72	4.06	5.21	4.76	4.58	5.07

RIVER

1938	1939	1940	1941	1942	1943	1944	1945	1946
5.90	5.47	5.51	5.96	5.35	5.98	4.67	4.81	5.72
3.91	3.52	3.29	3.79	3.50	4.07	3.26	3.42	3.83
4.35	4.17	3.33	4.40	4.27	4.53	3.56	3.94	4.54
6.44	6.46	5.96	6.41	6.11	5.79	4.98	5.49	6.48
6.56	5.61	5.33	6.61	5.13	6.65	6.46	7.39	7.07
5.02	5.28	5.09	4.64	6.53	5.66	5.16	5.29	5.82
5.47	5.52	5.89	6.05	4.74	6.77	5.73	5.11	5.02
4.00	3.42	3.56	3.31	3.15	3.81	4.09	3.35	4.34
4.72	4.17	3.94	4.46	3.98	4.98	3.63	3.60	4.59
7.59	6.47	5.48	6.16	5.53	6.22	5.64	7.16	8.31
4.96	5.27	4.72	5.36	4.88	5.27	4.94	5.25	5.37
6.04	4.45	4.46	5.08	5.17	6.32	4.57	5.01	6.01
7.17	7.94	4.77	5.33	6.29	6.87	5.51	6.44	7.41
4.12	5.05	4.43	4.29	3.25	3.56	3.85	3.64	4.11
5.17	6.57	6.05	5.95	6.73	6.31	7.61	7.43	6.69
5.24	5.88	5.94	5.68	4.97	6.28	4.56	5.71	7.58
3.95	5.59	5.70	6.06	5.78	6.09	6.64	6.59	7.17
2.88	4.67	5.44	5.79	4.97	3.96	5.81	4.48	4.48
5.21	4.76	4.58	5.07	4.86	5.45	4.38	4.54	5.44

1916

1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944
44744	97480	27234	32734	19306	33230	86482	41376	80552	55738	39208	24516
123594	127234	135380	144266	139962	127512	149266	149934	131998	113370	134538	131926
137198	100320	129017	113914	120658	130646	116346	129186	108418	111610	120988	110708
108706	71736	102937	99646	92842	123436	85122	90458	101136	111536	129638	103094
80802	45442	75411	71296	63396	101832	67000	75504	88616	87944	118256	75854
58160	34896	55207	70204	35322	87722	47792	45104	77930	67998	89438	62392
553204	477108	525186	532060	471486	604378	552008	531562	588650	548196	632066	508490
.40	.86	.24	.29	.17	.29	.77	.36	.72	.50	.33	.21
1.10	1.13	1.18	1.28	1.24	1.10	1.33	1.29	1.17	1.00	1.16	1.14
1.22	.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
4.90	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
1.02	.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
22.5	26.7	25.9	27.1	29.8	21.1	27.0	28.0	22.4	20.6	21.3	26.0
25.0	21.1	24.6	21.4	25.5	21.7	21.2	24.4	18.4	20.4	19.1	21.7
19.4	15.1	19.5	18.7	19.7	20.3	15.5	17.1	17.3	20.4	20.6	20.3
14.7	9.5	14.2	13.4	13.4	16.7	12.0	14.2	14.9	16.0	18.8	14.9
10.3	7.3	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	100.0	100.0	100.00	100.0	100.0

SUMMARY OF DIVERSIONS BY 18 CANALS FROM BOISE F

	1945	1946
April	25988	49522
May	114532	143428
June	116622	125410
July	117602	123356
August	89470	97316
September	62526	73538
Total	526740	612570

Acre Feet Diverted

	1945	1946
April	.22	.44
May	.99	1.27
June	1.00	1.11
July	1.01	1.10
August	.77	.87
September	.54	.65
Total	4.53	5.44

Acre Feet Diverted Per Acre

April	.18	.37
May	.82	1.06
June	.83	.92
July	.84	.92
August	.64	.72
September	.45	.54
Average	.63	.75

Rate in Miners Inches Per Acre Div

April	4.9	8.1
May	21.8	23.3
June	22.1	20.5
July	22.3	20.2
August	17.0	15.9
September	11.9	12.0
Total	100.0	100.0

Per Cent During Each Month

SUMMARY OF DIVERSIONS BY 18 CANALS FROM BOISE RIVER BEGINNING 1916 (Continued)

Acre Feet Diverted

Acre Feet Diverted Per Acre

Rate in Miners Inches Per Acre Diverted

Per Cent During Each Month

Chart No. 15-a

BOISE RIVER BEGINNING 1916 (Continued)

ed

Per Acre

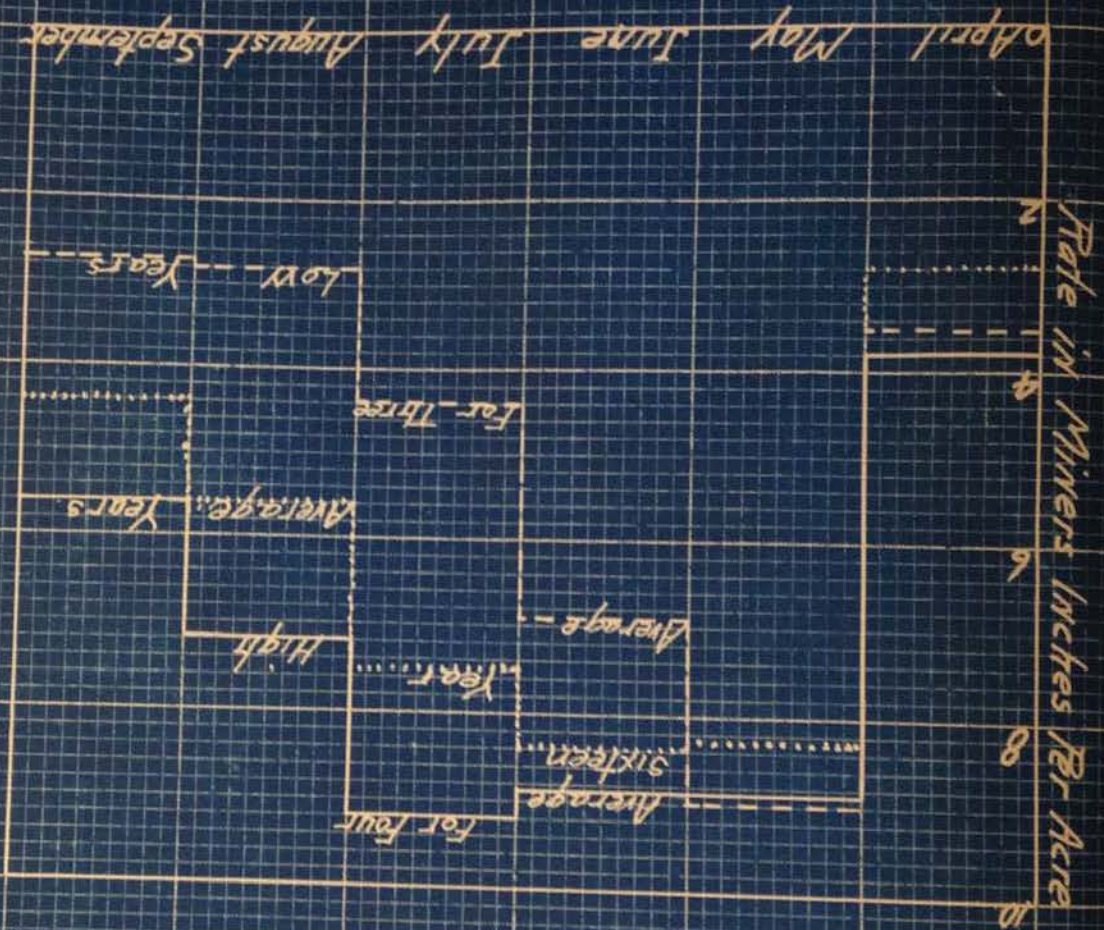
r Acre Diverted

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Chart 16.

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

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



TOTAL MONTHLY DIVERSIONS
CANALS IN DRAINAGE DISTRICT NO
IRRIGATION SEASON

Canals	April	May	June	July	August	September	Total
Farmers Union & Wise	3,108	9,726	8,524	8,406	7,096	3,572	40,432
Loise Valley	1,408	3,960	3,864	3,538	2,502	2,414	17,686
New Dry Creek	1,096	4,462	4,766	3,768	2,638	2,408	19,218
New Union	246	740	968	796	568	660	3,984
Ballantine	160	736	820	974	858	528	4,076
Little Pioneer	594	2,564	2,144	2,174	2,140	1,076	10,692
Middletown Canals	5,652	13,544	8,602	9,084	6,266	4,564	47,712
Canyon County	1,286	4,636	4,256	4,316	3,226	2,634	20,354
Totals	13,550	40,368	33,944	33,056	25,294	17,942	164,154

TOTAL MONTHLY FLOW IN AC
OF DRAINS IN DRAINAGE DIST
SEASON 1946

Drains	April	May	June	July	August	September	Total
Beagle Drain	938	2,608	3,038	3,838	2,804	2,690	15,996
Star Feeder	446	3,520	2,646	2,092	1,516	3,204	13,824
Watts Check	254	1,992	1,420	872	1,440	1,680	7,664
Long Feeder	318	1,280	1,404	1,246	1,092	960	6,380
South Middletown Drain	1,602	4,110	3,160	3,572	2,384	2,512	17,540
North Middletown Drain	1,478	1,818	1,620	2,068	1,404	1,788	10,176
Hartley Drain	378	1,238	1,226	1,736	1,196	1,066	6,840
Totals	5,614	16,566	14,594	15,424	12,322	13,900	78,420

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

Chart No. 17

IRRIGATION SEASON OF 1946

SUMMARY TABLE

August	September		Year	Canal Diversions	Drain Discharge	Used, Retained and Winter Runoff
	September	Total				
096	3,572	40,432	1922	6.38	2.90	3.45
502	2,414	17,686	1923	6.95	2.79	3.96
638	2,488	19,218	1924	5.03	2.59	2.44
568	666	3,984	1925	6.21	2.42	3.79
858	528	4,076	1926	4.92	1.97	2.95
140	1,076	10,692	1927	6.28	2.62	3.66
266	4,564	47,712	1928	6.08	2.78	3.30
226	2,634	20,354	1929	5.46	2.27	3.19
294	17,942	164,154	1930	5.97	2.61	3.36

TOTAL MONTHLY FLOW IN ACRE FEET
OF DRAINS IN DRAINAGE DISTRICT NO. 2
SEASON 1946

August	September		Year	Canal Diversions	Drain Discharge	Used, Retained and Winter Runoff
	September	Total				
884	2,690	15,996	1931	5.06	1.99	3.07
816	3,204	13,824	1932	5.73	2.36	3.37
446	1,680	7,664	1933	5.09	2.36	2.73
092	960	6,380	1934	4.59	2.41	2.18
884	2,512	17,540	1935	4.88	2.27	2.61
04	1,788	10,176	1936	4.86	2.55	2.31
96	1,066	6,840	1937	4.73	2.37	2.36
22	13,900	78,420	1938	5.40	2.34	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

Chart No. 18

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

SEASON OF 1946

May	June	July	August	September	Total
11.7	14.8	16.1	17.5	15.5	14.2
728.0	838.0	996.0	1084.0	932.0	5198.0
.17	.21	.24	.26	.22	1.24

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	.70
1942	1.04
1943	1.12
1944	1.08
1945	1.10
1946	1.24

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

SEASON OF 1946

May	June	July	August	September	Total
13.7	18.3	23.6	24.4	19.5	18.3
852.0	1098.0	1462.0	1512.0	1168.0	6692.0
.34	.44	.58	.60	.47	2.68

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

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926
April													
May		447	939		1093	822	441	1075	903	650	412	681	304
June		861	1192	1214	1247	1008	629	1475	741	1228	644	350	638
July	465	545	1191	1341	1281	1048	817	880	963	1200	594	1123	588
Aug.	276	498	1006	1179	756	598	697	888	836	877	372	935	412
Sept.	465	361	727	690	785	558	630	811	713	800	341	799	376
		460	739	715	938	549	596	814	618	863	311	880	496
Average	403	533	964	1027	1011	763	635	990	795	739	446	794	469

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
April														
May														
June											243		214	
July	139	122			227	252					180		137	
Aug.	70	130	194	254	270	233	203	285	242		176	328	144	27
Sept.	201	150	199	225	263	246	118	267	239	286	134	323	209	24
									180	344				
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	468	348	212	185	357	593
350	638	860	983	600	758	670	1525	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	1939
	214													
	137		222	137	260	158	336	216	204	257	343	273		246
328	144	272	187	170	230	157	183	247	110	201	294	185	242	221
323	209	247	257	184	262	167	183	177	168	197	377	168	233	249
325	176	260	222	164	251	161	234	213	161	218	338	208	238	239

RETURN FLOW TO SECTION TWO

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	1939
	343													
	275		459	398	414	228	623	409	314	412	438	326		35
470	232	455	365	313	395	183	372	325	264	305	329	280	511	28
560	287	592	442	412	396	217	398	361	286	308	376	305	590	41
515	284	524	422	374	401	211	464	365	288	341	381	303	550	35

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
5	185	357	593	259	607	547	558	533	370	287	358
2	976	685	1355	956	955	1269	1091	491	591	779	872
5	1147	987	1373	875	879	1334	1000	778	1223	972	1028
4	735	598	1213	605	637	746	648	885	657	914	895
9	589	464	753	505	535	746	637	891	589	675	776
4	713	473	823	660	716	840	681	945	652	697	843
5	725	594	1018	643	721	914	769	754	680	711	795

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
5	343	273		246	213	290	92		139	250	228
7	294	185	242	221	212	269	227	170	196	186	294
1	377	168	233	249	222	267	190	219	200	203	198
7	338	208	238	239	216	275	169	195	178	213	240

	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946
5	438	326		358	422	479	556		518	664	666
2	329	280	511	281	323	482	409	567	393	489	529
5	376	305	590	411	494	578	491	538	452	493	645
6	381	303	550	350	413	513	485	552	454	549	613

REVISED AREA AND CAPACITY TABLE FOR ARROWROCK RESERVOIR

Chart No. 20

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

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

Chart 20-A

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	2100	:	15		3000
3171	169200	2200	:			
72	171400	2200	:			
73	173600	2200	:			
74	175800	2200	:			
75	178000	2200	:			
3176	180300	2300	:			
77	182600	2300	:			
78	184900	2300	:			
79	187200	2300	:			
80	189500	2300	:			

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

ADDITIONAL DECREES BOISE RIVER

Intervenor's "Stewart Decree"

Number	Date	Name	Canal
66A	4-1-1878	J.S. Kraus	Ballantine
129A	4-1-1897	H.E. Plain	Dry Creek
66C	4-1-1878	J.W. Kolarader	Ballantine
66D	4-1-1878	M.T. Griffith	Ballantine
73A	4-1-1880	Goble + Songer	Dry Creek
75A	6-1-1880	C.B. Frank	Dry Creek
136	5-1-1906	H.E. Wymmer	Ballantine
85A	6-1-1882	Leo Masters	Warm Springs
137	5-1-1909	B.P. Weverling	
138	6-14-1912	Wesley A. Mace	
85C	5-1-1883	Wm Huckba	Dry Creek
85D	5-1-1883	C.H. Schmelzer	Ballantine
85E	5-1-1883	C.W. McClurg	Dry Creek
124A	5-1-1893	W.D. Charters	
85B	4-1-1883	Jacob Bingham	Settlers
77A	4-15-1882	Roc Helms	Riverside Inq'd
8A	4-1-1865	Adolph Bahler	Bahler
47A	4-1-1870	"	"
35A	6-1-1867	Rolph Knight	Canyon County
116A	6-1-1890	Anna Spencer	Riverside Inq'd
116B	6-1-1890	Willis B. Spencer	"
116C	6-1-1890	Rebecca Bell	"
114A	5-1-1889	Neil + Patricia O'Donnell	O'Donnell + Barth
114B	5-1-1889	Gus A. Barth	"
77A	6-1-1881	Gus A. Barth	"
77B	6-1-1881	Charles Juries	Farma Ditch Co
77C	6-1-1881	James Finlay	"
77D	6-1-1881	Lester J. Shippy	"
31A	6-1-1866	Wm. W. Lusser	"
31B	6-1-1866	Ministry Couzens	Lawrence + Kennedy
31C	6-1-1866	Albert C. Boyer +	Middleton Water
71A	4-1-1879	Island Highline Ditch Co.	Lawrence + Kennedy
137A	4-1-1910	"	"
139	4-1-1915	"	"
75A	1880	Albert Lemp et al	Larsen-Baxter + Lemp
29A	1865	Louise Stomanson	Lemp Ditch Eagle Island
8B	4-1-1865	First Nat. Bank of Boise	Bubb
29B	1865	Sg. Hardies + Amelia Fisk	"
51A	1870	"	"
116-A	1889	"	"

ADDITIONAL DECREES BOISE RIVER.

"Interferors" Stewart Decree.

Name	Canal	Amount Decreed	Sec. Ft.	Inches.	Dept of Rec	File No
J.S. Kraus	Ballantine	80	40	373	373	373
H.E. Plain	Dry Creek	54	27	373	373	373
J.W. Kolander	Ballantine	140	70	373	373	373
M.T. Griffith	Ballantine	80	40	373	373	373
Goble + Songer	Dry Creek	54	27	373	373	373
C.B. Frank	Dry Creek	816	40.80	380	380	380
H.E. Wymmer	Ballantine	356	1780	325	325	325
Leo Marsiers	Warm Springs	160	80	324	324	324
B.P. Weaverling	Warm Springs	160	80	294	294	294
Wesley A. Mace	Warm Springs	40	20	293	293	293
Wm. Huchba	Dry Creek	203	10.15	321	321	321
C.H. Schmelzer	Ballantine	7506	37.53	320	320	320
C.W. McClurg	Dry Creek	35	17.50	319	319	319
W.D. Charters	Dry Creek	100	50	318	318	318
Jacob Bingham	Settlers	100	50	317	317	317
Roc Helms	Riverside Irrig. D.	3,674	183.70	295	295	295
Adolph Bahler	Bahler	80	40	412	412	412
"	"	80	40	412	412	412
Rolph T. Knight	Canyon County	176	88	419	419	419
Anna Spencer	Riverside Irrig. D.	72	36	12A Misc	12A Misc	12A Misc
Willis B. Spencer	"	10	5	"	"	"
Rebecca Bell	"	40	20	"	"	"
Neil + Patricia O'Donnell	O'Donnell + Barth	160	80	466	466	466
Gus A. Barth	"	80	40	467	467	467
Gus A. Barth	Farma Ditch Co	160	80	467	467	467
Charles Juries	"	34	17	467	467	467
James Finlay	"	80	40	467	467	467
Lester J. Shippy	"	130	65	467	467	467
Wm. Mussler	Lawrence + Kennedy	230	115	482	482	482
Mrs. Jerry Couzens	Middleton Water	60	30	482	482	482
Albert C. Boyermann	Lawrence + Kennedy	110	55	482	482	482
Island Highline Ditch Co.	"	300	150	491	491	491
"	"	700	350	491	491	491
"	"	1000	500	491	491	491
Albert Lempetal	Larsen-Baxter + Lemp	320	160	496	496	496
Louise Stomanson	Lemp Ditch Eagle Island	600	300	496	496	496
First Nat. Bank of Reno	Bubb	180	90	497	497	497
St. Hardies + Amelia Easley	"	50	25	498	498	498
"	"	100	50	498	498	498
"	"	84	42	498	498	498

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF DE

No. of Change of Point of Diversion	Point of Diversion		Date of Change	Priority	
	From	To		No.	Date
3		Eureka No. 2	4-2-1912	96	10-1-87
9			7-31-1912		
29		Canyon County	8-26-1918		
32		Davis Ditch	7-15-1919		
35		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		9-26-1918		
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		
64	Ballantine	Dry Creek	12-21-1921		
75	Middleton Mill	Canyon County	11-25-1924		
76		Settlers	3-12-1925	85B	4-1-83
77	Bubb	Bahler	4-26-1925	8A	4-1-65
77	Bubb	Bahler	4-26-1925	47A	4-1-70
83	Warm Springs	Settlers	4-29-1926		
84	Middleton Water	Farmers Union	3-9-1926	65	6-1-77
85	Upper Center Point	Eureka No. 2	5-7-1926		
91	Ballantine	Dry Creek	6-23-1926	103	
103	Parma Ditch	Parma Ditch	10-3-1928		
126	Lawrence & Kennedy	Middleton Water	3-25-1931		6-1-66
127	Bowman & Swisher	Larsen Baxter & Lemp	8-15-1930		6-1-65
131	Eureka No. 2	Lower Cen. Point	1-16-1932		9-9-83
140	Ballantine	New Dry Creek	4-23-1934	85D	5-1-83
141	Fischer Power	Fischer Power	12-18-1934		7-19-12
147	Mid 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 Canal	5-15-1937		5-1-70
153	Rein-Keogh-Bahler	Ridenbaugh Canal	5-15-1937		5-1-95
154	Bahler Ditch	Ridenbaugh Canal	5-15-1937		4-1-65
159	Upper Center P.	Eureka No. 2	5-27-1939		6-1-65
161	Ballantine	New Dry Creek	5-5-1940		6-1-88
174	Ballantine	New Dry Creek	28-3-1944	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	3-31-45	5	6-1-64)
				52	6-1-71)

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

To	Date of Change	Priority		No. of Acres	Quantity in Inches	By Whom
		No.	Date			
ka No. 2	4-2-1912	96	10-1-87	80		Thos. T. Johnston
	7-31-1912					Albert F. Clemons
n County	8-26-1918			50	50	J. C. Hughes
Ditch	7-15-1919					Ed Davis
side	4-3-1919			160	100	Rebecca Bell
eton Water	4-12-1918	35	6-1-67		19	Draper & Others
Suckers	9-24-1915					Shafer & Others
Suckers	6-12-1918				52	George Rambo
	9-26-1918					Jas. D. Ruark
n & Swisher	3-31-1920	19	6-1-65		144	John S. Swisher
n & Swisher	3-31-1920	20	6-1-65		320	Bird Bowman
eton Mill	4-24-1920	35	6-1-67		55½	H. G. Dudley
ntine	12-2-1920	65	6-1-77	35	30	Edward McClintick
n County	3-18-1921	31	6-1-66		130	W. Kennedy
eton Water	6-22-1921				33½	Minnie Couzens
reek	12-21-1921				10	Harry Seavey
n County	11-25-1924				25	Detweed Etc. Bank
ers	3-12-1925	85B	4-1-83	80	50	Jacob Bingham
er	4-26-1925	8A	4-1-65		40	Adolph Bahler
er	4-26-1925	47A	4-1-70		40	Adolph Bahler
ers	4-29-1926				36	Leo Marsters
ers Union	3-9-1926	65	6-1-77		40	J. C. Ralph
ka No. 2	5-7-1926				25	J. C. Bruce
Creek	6-23-1926	103			32½	Ira E. Barber
a Ditch	10-3-1928					Charles Jurries
eton Water	3-25-1931		6-1-66		115	Wm. Musser
en Baxter & Lemp	8-15-1930		6-1-65		40	Wm. Baxter
r Cen. Point	1-16-1932		9-9-83		35	R. E. McGuire
Dry Creek	4-23-1934	85D	5-1-83		3	Chas. H. Schmelzer
ner Power	12-18-1934		7-19-12			Fischer Power Only
on County	1-8-1936		6-1-67		10	Cora M. Clifton
r Cen. Point No. 1	4-17-1936	96	10-1-87		75	Dora Greer
antine	2-10-1937		5-1-93		6¾	J. H. Cone
hbaugh Canal	5-15-1937		9-1-70		40	Adolph Bahler
hbaugh Canal	5-15-1937		5-1-95		50	Adolph Bahler
hbaugh Canal	5-15-1937		4-1-65		40	Adolph Bahler
ka No. 2	5-27-1939		6-1-65		5	Raymond T. Breshear
Dry Creek	5-5-1940		6-1-88		32½	Sid Barber
Dry Creek	28-3-1944	103	6-1-88		12	Frank M. Ray
ka	4-11-1944		6-1-83		440	Wilbur Breshears
Ditch	4-18-1944		6-1-78		85	Charlottie D. Allen
n Suckers	3-31-45	5	6-1-64)			
		52	6-1-71)		12	Idaho Fish & Game D

DEED RIGHTS ON BOISE RIVER

CHART 22

	<u>No. of Acres</u>	<u>Quantity in Inches</u>	<u>By Whom</u>	<u>Remarks</u>
87	80		Thos. T. Johnston	
	50	50	Albert F. Clemons	
	160	100	J. C. Hughes	
		19	Ed Davis	
7		52	Rebecca Bell	
			Draper & Others	
			Shafer & Others	
			George Rambo	
			Jas. D. Ruark	To Indian Creek
65		144	John S. Swisher	
65		320	Bird Bowman	
67		55½	H. G. Dudley	Foote & Wiseman
77	35	30	Edward McClintick	
66		130	W. Kennedy	
		33½	Minnie Couzens	
		10	Harry Seavey	
		25	Detweed Etc. Bank	
83		50	Jacob Bingham	
65	80	40	Adolph Bahler	
70		40	Adolph Bahler	
		36	Leo Marsters	
		40	J. C. Ralph	
77		25	J. C. Bruce	
		32½	Ira E. Barber	Not approved by ditch companies
			Charles Jurries	Secretary
66		115	Wm. Musser	
65		40	Wm. Baxter	
83		35	R. E. McGuire	
83		3	Chas. H. Schmelzer	
12			Fischer Power Only	Below Fairview Bridge
67		10	Cora M. Clifton	
87		75	Dora Greer	Decreed to Amer. Ditch Assoc.
93		6¾	J. H. Cone	
70		40	Adolph Bahler	
95		50	Adolph Bahler	
65		40	Adolph Bahler	
65		5	Raymond T. Breshears	
88		32½	Sid Barber	
88		12	Frank M. Ray	
83		440	Wilbur Breshears	
78		85	Charlottie D. Allen	
64)				
71)		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	By
	From	To					
34	Settlers'	Settlers'	92	10-17-84	3-16-1909)	15	Walter S.
34	Settlers'	Settlers'	122	6-1- 91	3-16-1909)		
36	American Ditch Assn.	Pioneer Dixie	96	10-1- 87	4-19-1909	100	C. H. Ros
38	American Ditch Assn.	Canyon Ditch Co.	96	10-1- 87	9-1- 1909	605	Wm. M. Me
45		Settlers'			2-5- 1910	10	J. E. Moo
46		Penitentiary	50	6-1- 66	2-4- 1910	112	Barber Lu
47	American Ditch Assn.	Eureka No. 2	96	10-1- 87	3-16-1910	1475	American
48	American Ditch Assn.	Pioneer Dixie	96	10-1- 88	3-31-1910	210	Nichols &
50	Settlers'				6-7- 1910	20	J. P. Cle
62	Pioneer Dixie	Eureka No. 2	96	10-1- 87	11-14-1910	50	J. A. Car
71	Upper Center Point	Eureka No. 2	24	6-1- 65	3-14-1911	40	J. D. Rol
105	Sieberg	Canyon	9	6-1- 65	9-19-1912	25	H. E. Meel
111	Eureka No. 2	Hillcrest	96	10-1- 87	11-25-1912	60	H. L. Rand
111	Pioneer Dixie	Hillcrest	8	6-1- 64	11-25-1912)	1017	H. L. Rand
111	Pioneer Dixie	Hillcrest	45	6-1- 69	11-25-1912)		
136	Jacobs	Farmers Union	2	6-1- 64	6-8- 1914	1000	Boise Fru
219					7-15-1918	432	Pioneer Ir
300	Middleton Mill	Dry Creek		4- 30	4-30-1921	17.5	Edna M. Fo
301	Middleton Mill	Dry Creek			4-30-1921	72	John F. Gr
347	Middleton Mill	Settlers'	3	6-1- 64	2-6- 1925	7	C. E. Whit
349	Middleton Mill	Settlers'	3	6-1- 64	2-6- 1925	7	Frank Weas
350	Middleton Mill	Settlers'	3	6-1- 64	2-6- 1925	7	Carl A. Gi
357	Middleton Mill	Settlers'	65	6-1- 77	5- -1925	10	Nellie B. J
370	Boise City	Farmers Union	33	6-1- 66	3-16-1926	56.2	Henry W. B
373	Boise City	Farmers Union	33	6-1- 66	4-26-1926	18.7	L. A. Rice
374	Middleton Water #1	Farmers Union	65	6-1- 77	5-6- 1926	20	H. D.
375	Middleton Water	Farmers Union	65	6-1- 77	5-6- 1926	10	A. G.
384	Middleton Water	Farmers Union	65	6-1- 77	7-6- 1926	20	Mary
385	Middleton Water	Farmers Union	65	6-1- 77	7-6- 1926	13.3	H. E.
386	Middleton Water	Farmers Union	65	6-1- 77	7-8- 1926	20	H. E.
387	Middleton Water	Farmers Union	65	6-1- 77	7-8- 1926	20	E. E. S.
391	Middleton Mill	Farmers Union	65	6-1- 77	6-13-1926	7.5	Rush Cha
392	Middleton Water	Ridenbaugh	65	6-1- 77	6-21-1926	20	Fred Eggen
393	Middleton Mill	Farmers Union	3	6-1- 64)			
393	Middleton Mill	Farmers Union	54	6-1- 61)	9-15-1926	14.4	A. C. Bowe
393	Middleton Mill	Farmers Union	120	6-1- 91)			
393	Middleton Mill	Farmers Union	65	6-1- 77	11-16-1926	25	G. R. McG
395	Middleton Water	Settlers'		6-1- 82	12-2- 1927	20	Chas. P.
412	Thurman	Settlers'	65	6-1- 77	7-2- 1928	12.5	J. A. Pet
430	Farmers Union	New York	106	8-20-38	7-6- 1929	445	W. H. Tul
466	Ridenbaugh	Settlers'	65	6-1- 77	7-12-1929	5	C. C. Wood
468	Settlers'	Settlers'		10-12-84	11-18-1929	10	Chas. N.
477	Settlers'	Settlers'		10-13-84	4-7- 1930	3	Frank P.
483	Settlers'	Farmers Union	2	6-1- 64	5-27-1932	50	W. Scott
512	Jacobs Canal	Farmers Union	2	6-1- 64	5-27-1932	25	Farmers
513	Jacobs Canal	Farmers Union	1	6-1- 64	5-15-1934	15	A. B. M
530	Jacobs Ditch	Farmers Union	2	6-1- 64	12-31-1934	34.37	Federal
542	Farmers Union	Nampa- eridian	1	6-1- 64	9-9- 1938	15	Boise T
595	Jacobs Canal	Settlers'	1	6-1- 64	9-9- 1938	15	Boise T
595	Jacobs Canal	Pioneer Dixie	88	6-1- 83	4-29-1940	50	W. F. T
603	Riverside	Pioneer Dixie	88	6-1- 83	11-12-1942	35	S. E. S
644	Riverside	Settlers	30	5-1-66	10-18-1943	25	W. W. H
654	Consumers	Settlers	30	5-1-66	10-18-1943	50	W. W.
654	Consumers	Settlers	30	5-1-66	10-18-1943	25	W. W.
654	Consumers	Settlers	30	5-1-66	10-18-1943	25	W. W.
660	Riverside	Pioneer-Dixie	56	6-1-63	4-11-1944	30	D. W.
694	Consumers	Settlers	30	5-1-66	4-29-1946	8	W. W.
694	Consumers	Settlers	30	5-1-66	4-29-1946	6	W. W.

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

	Priority No.	Date	Date of Transfer	Quantity In Inches	By Whom Transferred	Remarks
s'	92	10-17-84	3-16-1909)	15	Walter S. Bruce	
s'	122	6-1- 91	3-16-1909)			
Dixie	96	10-1- 87	4-19-1909	100	C. H. Rosenberger	Change in point of diversio
Ditch Co.	96	10-1- 87	9-1- 1909	605	Wm. H. Messler	
s'			2-5- 1910	10	J. E. Moore	
tiary	50	6-1- 66	2-4- 1910	112	Barber Lumber Co.	
No. 2	96	10-1- 87	3-18-1910	1475	American Ditch Association	Change in point of diversio
Dixie	96	10-1- 88	3-31-1910	210	Nichols & Cooper	Change in point of diversio
			6-7- 1910	20	J. D. Cleek	
No. 2	96	10-1- 87	11-14-1910	50	J. A. Cartright	
No. 2	24	6-1- 65	3-14-1911	40	J. D. Roland	Change in point of diversio
	9	6-1- 65	3-18-1912	25	H. E. Meek	
est	96	10-1- 87	11-25-1912	60	H. L. Randall & Others	
est	8	6-1- 64	11-25-1912)	1017	H. L. Randall & Others	
est	45	6-1- 69	11-25-1912)			
s Union	2	6-1- 64	6-8- 1914	1000	Boise Fruit Tract Co.	
			7-15-1918	432	Pioneer Irrig. District	Licensed Right Indian Creek
reek		4- 20	4-20-1921	17.5	Emma M. Fowler	
reek			4-20-1921	72	John F. Groome	
ers'	3	6-1- 64	2-6- 1925	7	C. E. White	
ers'	3	6-1- 64	2-6- 1925	7	Frank Weasel	
ers'	3	6-1- 64	2-6- 1925	7	Carl A. Gish	
ers'	65	6-1- 77	5- -1925	10	Nellie B. Whitaker	
rs Union	33	6-1- 66	3-16-1926	56.2	Henry W. Bartlett	
rs Union	33	6-1- 66	4-26-1926	18.7	L. A. Rice	
rs Union	65	6-1- 77	5-6- 1926	20	H. D. Parks	
rs Union	65	6-1- 77	5-6- 1926	10	A. G. King	
rs Union	65	6-1- 77	7-6- 1926	20	Mary P. Leach	
rs Union	65	6-1- 77	7-8- 1926	13.3	H. B. McConnell	
rs Union	65	6-1- 77	7-8- 1926	20	H. W. Bartlett	
rs Union	65	6-1- 77	7-8- 1926	20	E. E. Smith	
rs Union	65	6-1- 77	8-13-1926	7.5	Rush Chase	
baugh	65	6-1- 77	8-21-1926	20	Fred Eggers	
rs Union	3	6-1- 54)				
rs Union	54	6-1- 61)	9-15-1926	14.4	A. C. Bowerman	
rs Union	120	6-1- 91)				
rs Union	65	6-1- 77	11-16-1926	25	G. R. McGuire	
ers'		6-1- 82	12-2- 1927	20	Chas. P. Mace	
ers'	65	6-1- 77	7-2- 1928	12.5	J. A. Peterson	Formerly Middleton Water.
York	106	8-20-88	7-6- 1929	445	W. H. Tuller	
ers'	65	6-1- 77	7-12-1929	5	C. C. Wood	
ers'		10-12-84	11-18-1929	10	Chas. N. Walker	
ers'		10-13-84	4-7- 1930	3	Frank P. Weasel	
ers Union	2	6-1- 64	5-27-1932	50	W. Scott Anderson	
ers Union	2	6-1- 64	5-27-1932	25	Farmers Union Ditch	
ers Union	1	6-1- 64	5-15-1934	15	A. B. Whitney	
ers Union	2	6-1- 64	12-31-1934	34.37	Federal Land Bank	
eridian	1	6-1- 64	9-9- 1938	15	Boise Trust Co.	Somermeir
ers'	1	6-1- 64	9-9- 1938	15	Boise Trust Co.	Falk
er Dixie	88	6-1- 83	4-29-1940	50	W. F. Tracy	
er Dixie	88	5-1-66	11-12-1942	35	S. E. Smith	
ers	30	5-1-66	10-18-1943	25	W. W. Howell	Larson Tract
ers	30	5-1-66	10-18-1943	50	W. W. Howell	Hamming Tract
ers	30	5-1-66	10-18-1943	25	W. W. Howell	Budge Tract
er-Dixie	88	6-1-83	4-11-1944	30	D. W. Baldwin	
ers	30	5-1-66	4-29-1946	8	W. W. Howell	Kenneth O. Earl
ers	30	5-1-66	4-29-1946	6	W. W. Howell	L. R. Fewkes

OF DECREED RIGHTS ON BOISE RIVER

Date of Transfer	Quantity In Inches	By Whom Transferred	Remarks
3-16-1909)	15	Walter S. Bruce	
3-16-1909)			
4-19-1909	100	C. H. Rosenberger	Change in point of diversion only.
9-1- 1909	605	Wm. M. Messler	
2-5- 1910	10	J. E. Moore	
2-4- 1910	112	Barber Lumber Co.	
3-18-1910	1475	American Ditch Association	Change in point of diversion only.
3-31-1910	210	Nichols & Cooper	Change in point of diversion only.
6-7- 1910	20	J. D. Cleek	
11-14-1910	50	J. A. Cartright	
3-14-1911	40	J. D. Roland	Change in point of diversion only.
9-18-1912	25	H. E. Meek	
11-25-1912	60	H. L. Randall & Others	
11-25-1912)	1017	H. L. Randall & Others	
11-25-1912)			
6-8- 1914	1000	Boise Fruit Tract Co.	
7-15-1918	432	Pioneer Irrig. District	Licensed Right Indian Creek
4-20-1921	17.5	Emma M. Fowler	
4-20-1921	72	John F. Groome	
2-6- 1925	7	C. E. White	
2-6- 1925	7	Frank Weasel	
2-6- 1925	7	Carl A. Gish	
5- -1925	10	Nellie B. Whitaker	
3-16-1926	56.2	Henry W. Bartlet	
4-26-1926	18.7	L. A. Rice	
5-6- 1926	20	H. D. Parks	
5-6- 1926	10	A. G. Wing	
7-6- 1926	20	Mary F. Leach	
7-8- 1926	13.3	H. E. McConnell	
7-8- 1926	20	H. W. Bartlett	
7-8- 1926	20	E. E. Smith	
8-13-1926	7.5	Rush Chase	
8-21-1926	20	Fred Eggers	
9-15-1926	14.4	A. C. Bowerman	
11-16-1926	25	G. R. McGuire	
12-2- 1927	20	Chas. P. Mace	
7-2- 1928	12.5	J. A. Peterson	Formerly Middleton Water.
7-6- 1929	445	W. H. Tuller	
7-12-1929	5	C. C. Wood	
11-18-1929	10	Chas. N. Walker	
4-7- 1930	3	Frank P. Weasel	
5-27-1932	50	W. Scott Anderson	
5-27-1932	25	Farmers Union Ditch	
5-15-1934	15	A. B. Whitney	
12-31-1934	34.37	Federal Land Bank	
9-9- 1938	15	Boise Trust Co.	Somerneir
9-9- 1938	15	Boise Trust Co.	Falk
4-29-1940	50	W. F. Tracy	
11-12-1942	35	S. E. Smith	
10-18-1943	25	W. W. Howell	Larson Tract
10-18-1943	50	W. W. Howell	Hamming Tract
10-18-1943	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

ECCREED 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

STEWART DECREE.

No.	Date	Name	Amt. Decreed		No.	Date	Name	Amt. Decreed		No.	Date	Name
			Sec. Ft.	Inches				Sec. Ft.	Inches			
1	6-1-64	Thomas Davis	2.20	110	46	6-1-69	Mason Creek Ditch Co.	37.20	1860	91	6-1-84	River
2	6-1-64	Jacobs Canal Co.	20.00	1000	47	6-1-69	T. W. Boone	3.50	175	92	10-17-84	Sett
3	6-1-64	Middleton Mill Ditch	12.80	640	48	6-1-70	W. J. Hamming	2.60	130	93	6-1-86	New
4	6-1-64	Thomas Andrews	3.30	165	49	6-1-70	Pioneer Canal	25.72	1286	94	6-1-86	Thoi
5	6-1-64	Catlin & Maco	2.86	143	50	6-1-69	Barber Lumber Co.	2.24	112	95	1-23-87	W. C.
6	6-1-64	T. G. Catlin	3.30	165	51	6-1-70	Thomas Andrews	1.30	65	96	10-1-87	Amer
7	6-1-64	C. C. Havird	3.30	165	52	6-1-71	Catlin & Maco	7.86	393	97	6-1-88	New D
8	6-1-64	Pioneer Dickey Ditch Co.	20.00	1000	53	6-1-71	Peter Meeras	1.80	90	98	6-1-88	A. I. L
9	6-1-65	Seibenberg Ditch Co.	13.42	671	54	6-1-71	Middleton Mill Ditch Co.	33.70	1685	99	6-1-88	Leri
10	6-1-65	Allen K. Webster	1.20	60	55	6-1-72	J. F. Yaryan	.70	35	100	6-1-88	Charl
11	6-1-65	J. F. Yaryan	.66	33	56	6-1-72	J. F. Yaryan	1.40	70	101	6-1-88	Ed. J.
12	6-1-65	Graham & Gilbert	4.40	220	57	6-1-72	Mary C. Davis	4.40	220	102	6-1-88	Lizzie
13	6-1-65	Eureka Water Co.	33.32	1666	58	6-1-72	Edward N. Hart	3.30	165	103	6-1-88	Jessie
14	6-1-65	New Union Ditch Co.	13.76	688	59	6-1-74	T. W. Boone	2.20	110	104	6-1-88	Thomas
15	6-1-65	Boise Valley Irrig. Ditch	54.58	2729	60	6-1-75	Farmers Cooperative D. Co.	10.00	500	105	7-1-88	Farmers
16	6-1-65	Ridenbaugh & Rossi	9.20	460	61	6-1-76	Edward & Mary Clark	2.30	115	106	8-20-88	Nampa
17	6-1-65	Ridenbaugh & Rossi (Rivers)	265.80	13290	62	6-1-76	John Cecil	.44	22	107	5-1-89	Chas. S
18	6-1-65	Denver & Idaho Land Co.	.80	40	63	6-1-77	Thomas Aikens	5.20	260	108	5-1-89	Lommisk
19	6-1-65	Martha Bowman	2.88	144	64	6-1-77	W. H. Conway	.90	45	109	5-1-89	S. B. J. Utter
20	6-1-65	Bird Bowman	6.40	320	65	6-1-77	Middleton Water Co.	114.08	5704	110	5-1-89	South Bos
21	6-1-65	G. W. Gess	2.90	145	66	7-1-77	Perrault & Johnson (Thores)	200.00	10000	111	5-1-89	Estate of
22	6-1-65	Robert McGuire	3.20	160	67	5-1-78	Nampa Meridian Irrig. D.	170.00	8500	112	5-1-89	Anna H.
23	6-1-65	G. W. Cooper	3.20	160	68	6-1-78	John Mamm	4.20	210	113	5-1-89	Grace C.
24	6-1-65	J. W. Roland	2.40	120	69	6-1-78	Julia Mamm	3.36	168	114	5-1-89	Samuel H.
25	6-1-65	Draper & Wells	3.94	197	70	6-1-78	Charles Allen	8.80	440	115	6-1-89	Sonara J.
26	6-1-65	Thomas J. Palmer	1.60	80	71	6-1-78	R. H. Stockton	4.40	220	116	6-1-89	Sonara J.
27	6-1-65	Noah W. Palmer	1.58	79	72	6-1-79	New Dry Creek Ditch Co.	31.32	1566	117	9-1-90	Pioneer Ir
28	6-1-65	J. N. Tucker	7.00	350	73	6-1-79	D. Mumford	4.00	200	118	6-1-91	W. H. Corri
29	6-1-65	Thomas Andrews	6.00	300	74	6-1-80	Smith Stockton	1.76	88	119	6-1-91	Thomas
30	5-1-66	T. Perrault & R. Johnson	50.00	2500	75	6-1-80	Isham Joplin	2.40	120	120	6-1-91	Middleton
31	6-1-66	William P. Kennedy	2.60	130	76	10-20-80	Joseph Goble	.90	45	121	6-1-91	Thomas
32	6-1-66	Mannville and Leonard	3.50	175	77	10-29-80	Franklin Ditch Co.	27.60	1380	122	6-1-91	Settlers
33	6-1-66	Boise City Canal Co.	38.06	1903	78	6-1-82	Allen V. Webster	.90	45	123	6-1-91	Thomas
34	6-1-66	Franklin Ditch Co.	15.40	770	79	6-1-82	Susie Campbell	.60	30	124	5-1-93	Riverside
35	6-1-67	Canyon Co. Water Co.	75.80	3790	80	6-1-82	J. T. Barber	1.60	80	125	6-1-94	R. H. Ste
36	6-1-68	Martha E. McCarthy	14.10	705	81	6-1-82	Sonara Joplin	3.40	170	126	7-2-94	Farmers
37	6-1-68	H. D. & Dora Goodman	3.70	185	82	6-1-82	J. W. Hutchinson	.44	22	127	5-1-95	Charles H
38	6-1-68	T. T. Johnson	3.20	160	83	6-1-82	Johnson	.44	22	128	7-1-95	Matthew
39	6-1-68	Ross, Allen, Dickey & Ross	8.54	427	84	6-1-82	Andrew J. Joplin	2.86	143	129	7-1-96	Farmers
40	6-1-68	S. S. Gray	1.40	70	85	6-1-82	James L. Graham	2.20	110	130	10-1-99	Riverside
41	6-1-69	John Mamm	1.80	90	86	6-1-83	Farmers Cooperative Ditch	20.00	1000	131	3-23-00	New Hor
42	6-1-69	Isaac Bedal	1.60	80	87	6-1-83	Francis M. Joplin	.90	45	132	5-17-00	Canyon
43	6-1-69	Frederick Ode	3.60	180	88	6-1-83	W. A. Black	12.00	600	133	6-1-01	Riverside
44	6-1-69	Prior Burnett	8.50	425	89	11-9-83	Eureka Ditch Co. No. 2	21.70	1085	134	10-25-01	Canyon
45	6-1-69	Pioneer Ditch Ditch Co.	35.44	1772	90	6-1-84	Pioneer Ditch District	53.10	2655	135	4-1-04	Pioneer

• Indicates Rights supplied by return flow to River.

STEWART DECREE.

24
CHART 20

No.	Date	Name	Amt. Decreed		No.	Date	Name	Amt. Decreed	
			Sec. Ft.	Inches				Sec. Ft.	Inches
46	6-1-69	Mason Creek Ditch Co.	37.20	1860	91	6-1-84	Riverside Irrig. Dist.	20.00	1000
47	6-1-69	T. W. Boone.	3.50	175	92	10-17-84	Settlers Canal Co.	49.06	4453
48	6-1-70	W. J. Hamming	2.60	130	93	6-1-86	New Dry Creek Ditch	15.22	761
49	6-1-70	Pioneer Canal	25.72	1286	94	6-1-86	Thomas Davis	13.40	670
50	6-1-69	Barber Lumber Co.	2.24	112	95	1-23-87	W. C. L. & E. Young.	4.00	200
51	6-1-70	Thomas Andrews	1.30	65	96	10-1-87	American Ditch Assoc.	47.80	2390
52	6-1-71	Catlin & Maco	7.86	393	97	6-1-88	New Dry Creek Ditch Co.	7.86	393
53	6-1-71	Peter Meeras	1.80	90	98	6-1-88	R. V. Linder	4.00	200
54	6-1-71	Middleton Mill Ditch Co.	33.70	1685	99	6-1-88	Leri Smitta	1.30	65
55	6-1-72	J. F. Varyan	.70	35	100	6-1-88	Charlotte Calhoun	1.40	70
56	6-1-72	J. F. Varyan	1.40	70	101	6-1-88	Ed. J. Linder	1.46	73
57	6-1-72	Mary C. Davis	4.40	220	102	6-1-88	Lizzie Everett	1.20	60
58	6-1-72	Edward N. Hart	3.30	165	103	6-1-88	Jessie Wilson	1.40	70
59	6-1-74	J. W. Boone	2.20	110	104	6-1-88	Thomas Andrews	.90	45
60	6-1-75	Farmers Cooperative D. Co.	10.00	500	105	7-1-88	Farmers Coop. Ditch Co.	50.00	2500
61	6-1-76	Edward B. Mary Clark	2.30	115	106	8-20-88	Nampa-Meridian Irrig. D.	370.84	18542
62	6-1-76	John Cocit	.44	22	107	5-1-89	Chas. S. Miller	.06	3
63	6-1-77	Thomas Aikens	5.20	260	108	5-1-89	Lommis L. Noseley	.02	1
64	6-1-77	W. H. Conway	.90	45	109	5-1-89	S. B. J. Utter B. C. B. Taylor	2.40	120
65	6-1-77	Middleton Motor Co.	114.08	5704	110	5-1-89	South Base Mutual Irrig. Co.	6.00	300
66	7-1-77	Perraults Johnson (New)	200.00	10000	111	5-1-89	Estate of J. H. Gallagher	2.94	147
67	5-1-78	Nampa-Meridian Irrig. D.	170.00	8500	112	5-1-89	Anna H. Fogarty	.05	2
68	6-1-78	John Mammion	4.20	210	113	5-1-89	Grace Call	.10	5
69	6-1-78	Julia Mammion	3.36	168	114	5-1-89	Samuel H. Canfield	.03	1
70	6-1-78	Charles Allen	8.80	440	115	6-1-89	Sonora Joplin	.06	3
71	6-1-78	R. H. Stockton	4.40	220	116	6-1-89	Sonora Joplin	1.20	60
72	6-1-79	New Dry Creek Ditch Co.	31.32	1566	117	9-1-90	Pioneer Irrig. District	200.00	10000
73	6-1-79	D. Mumford	4.00	200	118	6-1-91	W. H. Conway	2.20	110
74	6-1-80	Smith Stockton	1.76	88	119	6-1-91	Thomas Davis	.54	27
75	6-1-80	Isham Joplin	2.40	120	120	6-1-91	Middleton Mill Ditch Co.	17.00	850
76	10-20-80	Joseph Goble	.90	45	121	6-1-91	Thomas Andrews	3.50	175
77	10-29-80	Franklin Ditch Co.	27.60	1380	122	6-1-91	Settlers Canal Co.	73.44	3672
78	6-1-82	Allen V. Webster	.90	45	123	6-1-91	Thomas Aikens	.80	40
79	6-1-82	Susie Campbell	.60	30	124	5-1-93	Riverside Irrig. District	80.00	4000
80	6-1-82	J. T. Barber	1.60	80	125	6-1-94	R. H. Stockton	1.76	88
81	6-1-82	Sonora Joplin	3.40	170	126	7-2-94	Farmers Union Ditch Co.	110.00	5500
82	6-1-82	S. W. Hutchinson	.44	22	127	5-1-95	Charles Rein & Jane Reih.	1.00	50
83	6-1-82	Johnson	.44	22	128	7-1-95	Mathew Casey	.66	33
84	6-1-82	Andrew J. Joplin	2.86	143	129	7-1-96	Farmers Coop. Ditch Co.	83.50	4175
85	6-1-82	James L. Graham	2.20	110	130	10-1-99	Riverside Irrig. District	20.00	1000
86	6-1-83	Farmers Cooperative Ditch	20.00	1000	131	3-23-00	New York Canal Co.	219.10	10955
87	6-1-83	Francis M. Joplin	.90	45	132	5-17-00	Canyon Ditch Co.	10.00	500
88	6-1-83	W. A. Black	12.00	600	133	6-1-01	Riverside Irrig. District	76.00	3500
89	11-9-83	Eureka Ditch Co. No. 2.	21.70	1085	134	10-25-01	Canyon Ditch Co.	5.54	277
90	6-1-84	Pioneer Irrig. District	53.10	2655	135	4-1-04	Pioneer Irrig. District	56.34	2817

• Indicates Rights supplied by return flow to River.

R. S. Fullerton
Irrig. Eng.

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

<u>Name of Canal</u>	<u>Change in P. of D.</u>	<u>Transfer</u>	<u>Decree</u>	<u>Priority</u>		<u>Inches</u>	<u>Amount Decreed</u>		<u>To Sec.</u>
				<u>No.</u>	<u>Date</u>		<u>Sec. Ft.</u>	<u>Sec.</u>	
New York			Stewart	131	3-23-1900	10955	219.10		
			Bryan		3-23-1900	2943	58.86		
			Bryan		12-14-1903	67729	1354.58		
			Bryan		6-16-1909	46325	926.50		
		466		Stewart	106	8-20-1888	445	8.90	
		111		Stewart	8	6-1-1864)	1017	20.34	
		111		Stewart	45	6-1-1869)			
		111		Stewart	96	10-1-1887	60	1.20	2589
				Stewart	67	5-1-1878	8500	170.00	
	Nampa-Meridian			Stewart	106	8-20-1888	18542	370.84	
		392		Stewart	65	6-1-1877	20	.40	
152				Stewart	65	4-1-1870	40	.80	
153				Stewart		5-1-1895	50	1.00	
154				Stewart		4-1-1865	40	.80	
		466*		Stewart	106	8-20-1888	445	8.90*	534
				Stewart	107	5-1-1889	3	.06	
Bubb			Stewart	108	5-1-1889	1	.02		
			Stewart	109	5-1-1889	120	2.40		
			Stewart	110	5-1-1889	300	6.00		
			Stewart	111	5-1-1889	147	2.94		
			Stewart	112	5-1-1889	2	.05		
			Stewart	113	5-1-1889	5	.10		
			Stewart	114	5-1-1889	2	.03		
			Additional	8B	4-1-1865	90	1.80		
			Additional	29B	4-1-1865	25	.50		
			Additional	51A	4-1-1870	50	1.00		
			Additional	H6A	4-1-1889	42	.84		
			Bryan	3	4-1-1905	270	5.40		
				Stewart	53	6-1-1871	90	1.80	
Meeves			Stewart	16	6-1-1865	460	9.20		
Rossi Mill and Manville-Leonard			Stewart	18	6-1-1865	40	.80		
			Stewart	32	6-1-1866	175	3.50		
			Stewart	94	6-1-1886	670	13.40		
Davis			Stewart	94	6-1-1886	670	13.40		

* Subtract

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Page in of D.	Transfer	Decree	Priority		Amount Decreed		
			No.	Date	Inches	Sec. Ft.	Total Sec. Feet
		Stewart	131	3-23-1900	10955	219.10	
		Bryan		3-23-1900	2943	58.86	
		Bryan		12-14-1903	67729	1354.58	
		Bryan		6-16-1909	46325	926.50	
	466	Stewart	106	8-20-1888	445	8.90	
	111	Stewart	8	6-1-1864)	1017	20.34	
	111	Stewart	45	6-1-1869)			
	111	Stewart	96	10-1-1887	60	1.20	2589.48
		Stewart	67	5-1-1878	8500	170.00	
		Stewart	106	8-20-1888	18542	370.84	
	392	Stewart	65	6-1-1877	20	.40	
		Stewart	65	4-1-1870	40	.80	
		Stewart		5-1-1895	50	1.00	
		Stewart		4-1-1865	40	.80	
	466*	Stewart	106	8-20-1888	445	8.90*	534.94
		Stewart	107	5-1-1889	3	.06	
		Stewart	108	5-1-1889	1	.02	
		Stewart	109	5-1-1889	120	2.40	
		Stewart	110	5-1-1889	300	6.00	
		Stewart	111	5-1-1889	147	2.94	
		Stewart	112	5-1-1889	2	.05	
		Stewart	113	5-1-1889	5	.10	
		Stewart	114	5-1-1889	2	.03	
		Stewart		4-1-1865	90	1.80	
		Additional	8B	4-1-1865	25	.50	
		Additional	29B	4-1-1865	50	1.00	
		Additional	51A	4-1-1870	50	1.00	
		Additional	H6A	4-1-1889	42	.84	
		Bryan	3	4-1-1905	270	5.40	21.14
		Stewart	53	6-1-1871	90	1.80	1.80
		Stewart	16	6-1-1865	460	9.20	
		Stewart	18	6-1-1865	40	.80	
		Stewart	32	6-1-1866	175	3.50	13.50
		Stewart	94	6-1-1886	670	13.40	13.40

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STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

<u>Name of Canal</u>	<u>Change in P. of D.</u>	<u>Transfer</u>	<u>Decree</u>	<u>Priority</u>		<u>Inches</u>	<u>Amount Decree</u>
				<u>No.</u>	<u>Date</u>		<u>Sec. Ft.</u>
Little Davis			Stewart	119	6-1-1891	27	.54
Settlers			Stewart	92	10-17-1884	4953	99.06
			Stewart	122	6-1-1891	3672	73.44
		430	Stewart	65	6-1-1877	12.5	.25
		347	Stewart		6-1-1864	7	.14
		349	Stewart		6-1-1864	7	.14
		350	Stewart		6-1-1864	7	.14
		357	Stewart		6-1-1877	10	.20
		412	Stewart		6-1-1882	20	.40
	83		Stewart	85A	6-1-1882	36	.72
			Stewart	85B	4-1-1883	50	1.00
Thurman Mill			Stewart	7	6-1-1864	165	3.30
			Stewart	10	6-1-1865	60	1.20
			Stewart	11	6-1-1865	33	.66
			Stewart	36	6-1-1863	705	14.10
			Stewart	37	6-1-1868	185	3.70
			Stewart	42	6-1-1869	80	1.60
			Stewart	55	6-1-1872	35	.70
			Stewart	56	6-1-1872	70	1.40
			Stewart	62	6-1-1876	22	.44
			Stewart	75	6-1-1880	120	2.40
			Stewart	76	10-20-1880	45	.90
			Stewart	78	6-1-1882	45	.90
			Stewart	79	6-1-1882	30	.60
			Stewart	81	6-1-1882	130	2.60
			Stewart	84	6-1-1882	75	1.50
			Stewart	87	6-1-1883	45	.90
			Stewart	128	7-1-1895	33	.66
		412*	Stewart		6-1-1882	20	.40*
Penitentiary				50	6-1-1866	112	2.24
Cruzen			Stewart	30	5-1-1866	2500	50.00
Boise City			Stewart	33	6-1-1866	1903	38.06
		370*	Stewart		6-1-1866	56.2	1.124*
		373*			6-1-1866	18.7	.374*

*Subtract

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Transfer	Decree	Priority		Inches	Amount Decried	
		No.	Date		Sec. Ft.	Total Sec. Feet
	Stewart	119	6-1-1891	27	.54	.54
	Stewart	92	10-17-1884	4953	99.06	
	Stewart	122	6-1-1891	3672	73.44	
430	Stewart	65	6-1-1877	12.5	.25	
347	Stewart		6-1-1864	7	.14	
349	Stewart		6-1-1864	7	.14	
350	Stewart		6-1-1864	7	.14	
357	Stewart		6-1-1877	10	.20	
412	Stewart		6-1-1882	20	.40	
	Stewart	85A	6-1-1882	36	.72	
	Stewart	85B	4-1-1883	50	1.00	175.49
	Stewart	7	6-1-1864	165	3.30	
	Stewart	10	6-1-1865	60	1.20	
	Stewart	11	6-1-1865	33	.66	
	Stewart	36	6-1-1868	705	14.10	
	Stewart	37	6-1-1868	185	3.70	
	Stewart	42	6-1-1869	80	1.60	
	Stewart	55	6-1-1872	35	.70	
	Stewart	56	6-1-1872	70	1.40	
	Stewart	62	6-1-1876	22	.44	
	Stewart	75	6-1-1880	120	2.40	
	Stewart	76	10-20-1880	45	.90	
	Stewart	78	6-1-1882	45	.90	
	Stewart	79	6-1-1882	30	.60	
	Stewart	81	6-1-1882	130	2.60	
	Stewart	84	6-1-1882	75	1.50	
	Stewart	87	6-1-1883	45	.90	
	Stewart	128	7-1-1895	33	.66	
412*	Stewart		6-1-1882	20	.40*	37.16
		50	6-1-1866	112	2.24	2.24
	Stewart	30	5-1-1866	2500	50.00	50.00
	Stewart	33	6-1-1866	1903	38.06	
370*	Stewart		6-1-1866	56.2	1.124*	
373*			6-1-1866	18.7	.374*	36.562

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

<u>Name of Canal</u>	<u>Change in P. of D.</u>	<u>Transfer</u>	<u>Decree</u>	<u>Priority</u>		<u>Amount Decree</u>		
				<u>No.</u>	<u>Date</u>	<u>Inches</u>	<u>Sec. Ft.</u>	
Jacobs			Stewart	1	6-1-1864	110	2.20	
		136*	Stewart	2	6-1-1864	1000	20.00	
		512*	Stewart	2	6-1-1864	1000	20.00*	
		513*	Stewart	1	6-1-1864	50	1.00*	
			Stewart	1	6-1-1864	25	.50*	
Farmers Union			Stewart	2	6-1-1864	1000	20.00	
			Stewart	126	7-2-1894	5500	110.00	
		370	Stewart		6-1-1966	56.2	1.124	
		373	Stewart		6-1-1866	18.7	.374	
		374	Stewart		6-1-1877	20	.40	
		375	Stewart		6-1-1877	10	.20	
		384	Stewart		6-1-1877	20	.40	
		385	Stewart		6-1-1877	13.3	.266	
		386	Stewart		6-1-1877	20	.40	
		387	Stewart		6-1-1877	20	.40	
		391	Stewart		6-1-1877	7.5	.15	
		393	Stewart		6-1-1877	14.4	.288	
		395	Stewart		6-1-1871	25	.50	
		430	Stewart		6-1-1871	12.5	.25	
		84		Stewart	8	6-1-1877	40	.80
			512 & 513	Bryan	1	7-2-1894	2723	54.46
						6-1-1864	75	1.50
Boise Valley			Stewart	15	6-1-1865	2729	54.58	
New Union			Stewart	14	6-1-1865	688	13.76	
New Dry Creek			Stewart	72	6-1-1879	1566	31.32	
			Stewart	93	6-1-1886	761	15.22	
			Stewart	97	6-1-1888	393	7.86	
			Additional	129A	4-1-1897	27	.54	
			Additional	13A	4-1-1880	27	.54	
			Additional	75A	6-1-1880	40.8	.816	
			Additional	85C	5-1-1883	10.15	.203	
			Additional	85E	5-1-1883	17.5	.35	
			Additional	124A	5-1-1893	50	1.00	
			300	Stewart		17.5	.35	
			301	Stewart		72	1.44	
		64		Stewart		10	.20	
		91		Stewart		6-1-1888	32.5	.65
	161		Stewart		6-1-1888	32.5	.65	
	174		Stewart	103	6-1-1888	12	.24	

*Subtract

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

in D.	Transfer	Decree	Priority		Amount Decreed		Total Sec. Feet
			No.	Date	Inches	Sec. Ft.	
		Stewart	1	6-1-1864	110	2.20	
	136*	Stewart	2	6-1-1864	1000	20.00	
	512*	Stewart	2	6-1-1864	1000	20.00*	
	513*	Stewart	1	6-1-1864	50	1.00*	
		Stewart	1	6-1-1864	25	.50*	.70
		Stewart	2	6-1-1864	1000	20.00	
	370	Stewart	126	7-2-1894	5500	110.00	
	373	Stewart		6-1-1966	56.2	1.124	
	374	Stewart		6-1-1866	18.7	.374	
	375	Stewart		6-1-1877	20	.40	
	384	Stewart		6-1-1877	10	.20	
	385	Stewart		6-1-1877	20	.40	
	386	Stewart		6-1-1877	13.3	.266	
	387	Stewart		6-1-1877	20	.40	
	391	Stewart		6-1-1877	7.5	.15	
	393	Stewart		6-1-1877	14.4	.288	
	395	Stewart		6-1-1871	25	.50	
	430	Stewart		6-1-1871	12.5	.25	
84		Stewart	8	6-1-1877	40	.80	
		Bryan		7-2-1894	2723	54.46	
	512 & 513		1	6-1-1864	75	1.50	191.512
		Stewart	15	6-1-1865	2729	54.58	54.58
		Stewart	14	6-1-1865	688	13.76	13.76
		Stewart	72	6-1-1879	1566	31.32	
		Stewart	93	6-1-1886	761	15.22	
		Stewart	97	6-1-1888	393	7.86	
		Additional	129A	4-1-1897	27	.54	
		Additional	13A	4-1-1880	27	.54	
		Additional	75A	6-1-1880	40.8	.816	
		Additional	85C	5-1-1883	10.15	.203	
		Additional	85E	5-1-1883	17.5	.35	
		Additional	124A	5-1-1893	50	1.00	
	300	Stewart			17.5	.35	
	301	Stewart			72	1.44	
		Stewart			10	.20	
64		Stewart		6-1-1888	32.5	.65	
91		Stewart		6-1-1888	32.5	.65	
161		Stewart		6-1-1888	32.5	.65	
174		Stewart	103	6-1-1888	12	.24	61.379

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Decree	Priority		Inches	Amount Decreed		
				No.	Date		Sec.	Ft.	
Ballantine			Stewart	98	6-1-1888	200		4.00	
			Stewart	99	6-1-1888	65		1.30	
			Stewart	100	6-1-1888	70		1.40	
			Stewart	101	6-1-1888	73		1.46	
			Stewart	102	6-1-1888	60		1.20	
			Stewart	103	6-1-1888	70		1.40	
			Stewart	123	6-1-1891	40		.80	
			Additional	66A	4-1-1878	40		.80	
			Additional	66C	4-1-1878	70		1.40	
			Additional	66D	4-1-1878	40		.80	
			Additional	85D	5-1-1883	37.53		.7506	
			Stewart	136	5-1-1906	17.8		.356	
		57		Stewart		6-1-1877	30		.60
		64*		Stewart			10		.20*
		161*		Stewart		6-1-1888	32.5		.65*
		174*		Stewart	103	6-1-1888	12.		.24*
	Middleton Water			Stewart	65	6-1-1877	5704		114.08
			Stewart	65	6-1-1867	19		.38	
			Stewart			33.5		.67	
			Stewart		6-1-1866	115		2.30	
		36		Stewart	65	6-1-1877	30		.60*
		61		Stewart	65	6-1-1877	40		.80*
		126		Stewart	65	6-1-1877	10		.20*
		57*		Stewart	65	6-1-1877	10		.20*
		84*		Stewart	65	6-1-1877	20		.40*
			357*	Stewart	65	6-1-1877	20		.40*
			374*	Stewart	65	6-1-1877	10		.20*
			375*	Stewart	65	6-1-1877	20		.40*
			384*	Stewart	65	6-1-1877	20		.40*
			385*	Stewart	65	6-1-1877	13.3		.266*
			386*	Stewart	65	6-1-1877	20		.40*
			387*	Stewart	65	6-1-1877	20		.40*
			392*	Stewart	65	6-1-1877	20		.40*
		395*	Stewart	65	6-1-1877	25		.50*	
Middleton Mill			Stewart	3	6-1-1864	640		12.80	
			Stewart	40	6-1-1868	70		1.40	
			Stewart	54	6-1-1871	1685		33.70	
			Stewart	120	6-1-1891	850		17.00	
		54		Stewart		6-1-1867	55.5		1.11
		75*		Stewart			25		.50*
			300*	Stewart			17.5		.35*

*Subtract

Chart No. 25-C

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Transfer	Decree	Priority		Amount Decreed		Total Sec. Feet
		No.	Date	Inches	Sec. Ft.	
	Stewart	98	6-1-1888	200	4.00	
	Stewart	99	6-1-1888	65	1.30	
	Stewart	100	6-1-1888	70	1.40	
	Stewart	101	6-1-1888	73	1.46	
	Stewart	102	6-1-1888	60	1.20	
	Stewart	103	6-1-1888	70	1.40	
	Stewart	123	6-1-1891	40	.80	
	Additional	66A	4-1-1878	40	.80	
	Additional	66C	4-1-1878	70	1.40	
	Additional	66D	4-1-1878	40	.80	
	Additional	85D	5-1-1883	37.53	.7506	
	Stewart	136	5-1-1906	17.8	.356	
	Stewart		6-1-1877	30	.60	
	Stewart			10	.20*	
	Stewart		6-1-1888	32.5	.65*	
	Stewart	103	6-1-1888	12.	.24*	15.1766
	Stewart	65	6-1-1877	5704	114.08	
	Stewart	65	6-1-1867	19	.38	
	Stewart			33.5	.67	
	Stewart		6-1-1866	115	2.30	
	Stewart	65	6-1-1877	30	.60*	
	Stewart	65	6-1-1877	40	.80*	
357*	Stewart	65	6-1-1877	10	.20*	
374*	Stewart	65	6-1-1877	20	.40*	
375*	Stewart	65	6-1-1877	10	.20*	
384*	Stewart	65	6-1-1877	20	.40*	
385*	Stewart	65	6-1-1877	13.3	.266*	
386*	Stewart	65	6-1-1877	20	.40*	
387*	Stewart	65	6-1-1877	20	.40*	
392*	Stewart	65	6-1-1877	20	.40*	
395*	Stewart	65	6-1-1877	25	.50*	112.864
	Stewart	3	6-1-1864	640	12.80	
	Stewart	40	6-1-1868	70	1.40	
	Stewart	54	6-1-1871	1685	33.70	
	Stewart	120	6-1-1891	850	17.00	
	Stewart		6-1-1867	55.5	1.11	
	Stewart			25	.50*	
300*	Stewart			17.5	.35*	

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

<u>Name of Canal</u>	<u>Change in P. of D.</u>	<u>Transfer</u>	<u>Decree</u>	<u>Priority</u>		<u>Amount Decreed</u>		
				<u>No.</u>	<u>Date</u>	<u>Inches</u>	<u>Sec. Ft.</u>	<u>To Sec.</u>
Middleton Mill (Cont'd)		301*	Stewart					
		347*	Stewart			72	1.44*	
		349*	Stewart		6-1-1864	7	.14*	
		350*	Stewart		6-1-1864	7	.14*	
		391*	Stewart		6-1-1864	7	.14*	
		393*	Stewart			7.5	.15*	
						14.4	.288*	62.8
Pioneer			Stewart	49	6-1-1870	1286	25.72	25.72
Canyon County			Stewart	35	6-1-1867	3790	75.80	
		29	Additional	35A	6-1-1867	88	1.76	
		59	Stewart		6-1-1867	50	1.00	
		75	Stewart	31	6-1-1866	130	2.60	
		36*	Stewart			25	.50	
		54*	Stewart			19	.38*	
						55.5	1.11*	80.17
Lemp Ditch			Additional	29A	1865	300	6.00	6.00
Conway & Hamming			Stewart	48	6-1-1870	130	2.60	
				64	6-1-1877	45	.90	
				118	6-1-1891	110	2.20	5.70
Thos. Aiken			Stewart	63	6-1-1877	260	5.20	5.20
Catlin & Mace			Stewart	5	6-1-1864	143	2.86	
				52	6-1-1871	393	7.86	10.72
Hart & Davis			Stewart	6	6-1-1864	165	3.30	
			Stewart	57	6-1-1872	220	4.40	
			Stewart	58	6-1-1872	165	3.30	
		38*	Stewart			52	1.04*	
	39*							9.9
Graham & Gilbert			Stewart	12	6-1-1865	220	4.40	4.4

*Subtract

Chart No. 25-D

STEWART AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Order	Decree	Priority		Amount Decreed		Total Sec. Feet
		No.	Date	Inches	Sec. Ft.	
1*	Stewart			72	1.44*	
7*	Stewart		6-1-1864	7	.14*	
9*	Stewart		6-1-1864	7	.14*	
10*	Stewart		6-1-1864	7	.14*	
11*	Stewart			7.5	.15*	
13*	Stewart			14.4	.288*	62.862
	Stewart	49	6-1-1870	1286	25.72	25.72
	Stewart	35	6-1-1867	3790	75.80	
	Additional	35A	6-1-1867	88	1.76	
	Stewart		6-1-1867	50	1.00	
	Stewart	31	6-1-1866	130	2.60	
	Stewart			25	.50	
	Stewart			19	.38*	
	Stewart			55.5	1.11*	80.17
	Additional	29A	1865	300	6.00	6.00
	Stewart	48	6-1-1870	130	2.60	
		64	6-1-1877	45	.90	
		118	6-1-1891	110	2.20	5.70
	Stewart	63	6-1-1877	260	5.20	5.20
	Stewart	5	6-1-1864	143	2.86	
		52	6-1-1871	393	7.86	10.72
	Stewart	6	6-1-1864	165	3.30	
	Stewart	57	6-1-1872	220	4.40	
	Stewart	58	6-1-1872	165	3.30	
	Stewart			52	1.04*	
						9.96
	Stewart	12	6-1-1865	220	4.40	4.40

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Decree	Priority		Amount Decreed		
				No.	Date	Inches	Sec. Ft.	Sec.
Warm Springs	83*		Stewart	61	6-1-1876			
			Stewart	80	6-1-1882	115	2.30	
			Stewart	82	6-1-1882	80	1.60	
			Stewart	83	6-1-1882	22	.44	
			Stewart	84	6-1-1882	22	.44	
			Stewart	85	6-1-1882	68	1.36	
			Stewart	85A	6-1-1882	110	2.20	
			Stewart	85A	6-1-1882	80	1.60	
						36	.72*	
Joplin			Stewart	81	6-1-1882		.80	
			Stewart	115	6-1-1889		.06	
			Stewart	116	6-1-1889		1.20	
Seven Suckers	38		Stewart			52	1.04	
	39		Stewart					1.
Phyllis			Stewart	90	6-1-1884	2655	53.10	
			Stewart	117	9-1-1890	10000	200.00	
			Stewart	135	4-1-1904	2817	56.34	
			Bryan	3	4-1-1905	15328	306.56	
			Bryan	4	4-1-1908	2725	54.50	670.
Eureka No. 1			Stewart	13	6-1-1865	1666	33.32	33.
Caldwell High Line			Stewart	34	6-1-1866	770	15.40	
			Stewart	46	6-1-1869	1860	37.20	
			Stewart	77	10-29-1880	1380	27.60	80.
Farmers Coop. Ditch			Stewart	60	6-1-1875	500	10.00	
			Stewart	86	6-1-1883	1000	20.00	
			Stewart	105	7-1-1888	2500	50.00	
			Stewart	129	7-1-1896	4175	83.50	
			Bryan		4-1-1905	7722	154.45	317.

*Subtract

Chart No. 25-E

WYAN DECREE GROUPED UNDER CANAL HEADINGS

er	Decree	Priority		Amount Decreed		Total Sec. Feet
		No.	Date	Inches	Sec. Ft.	
	Stewart	61	6-1-1876	115		
	Stewart	80	6-1-1882	80	2.30	
	Stewart	82	6-1-1882	22	1.60	
	Stewart	83	6-1-1882	22	.44	
	Stewart	84	6-1-1882	22	.44	
	Stewart	85	6-1-1882	68	1.36	
	Stewart	85A	6-1-1882	110	2.20	
	Stewart	85A	6-1-1882	80	1.60	
				36	.72*	9.22
	Stewart	81	6-1-1882		.80	
	Stewart	115	6-1-1889		.06	
	Stewart	116	6-1-1889		1.20	2.06
	Stewart			52		
	Stewart				1.04	1.04
	Stewart	90	6-1-1884	2655	53.10	
	Stewart	117	9-1-1890	10000	200.00	
	Stewart	135	4-1-1904	2817	56.34	
	Bryan	3	4-1-1905	15328	306.56	
	Bryan	4	4-1-1908	2725	54.50	670.50
	Stewart	13	6-1-1865	1666	33.32	33.32
	Stewart	34	6-1-1866	770	15.40	
	Stewart	46	6-1-1869	1860	37.20	
	Stewart	77	10-29-1880	1380	27.60	80.20
	Stewart	60	6-1-1875	500	10.00	
	Stewart	86	6-1-1883	1000	20.00	
	Stewart	105	7-1-1888	2500	50.00	
	Stewart	129	7-1-1896	4175	83.50	
	Bryan		4-1-1905	7722	154.45	317.75

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

<u>Name of Canal</u>	<u>Change in P. of D.</u>	<u>Transfer</u>	<u>Decree</u>	<u>Priority</u>		<u>Amount Decr</u>		
				<u>No.</u>	<u>Date</u>	<u>Inches</u>	<u>Sec. Ft.</u>	
Canyon Ditch Co.			Stewart	132	5-17-1900	500	10.00	
		38	Stewart	134	10-25-1901	277	5.54	
		105	Stewart	96	10-1-1887	605	12.10	
			Stewart	9	6-1-1865	25	.50	
Siebenberg		105*	Stewart	9	6-1-1865	671	13.42	
			Stewart	9	6-1-1865	25	.50*	
Riverside Irrig.			Stewart	88	6-1-1883	600	12.00	
			Stewart	91	6-1-1884	1000	20.00	
			Stewart	95	1-23-1887	200	4.00	
			Stewart	124	5-1-1893	4000	80.00	
			Stewart	130	10-1-1899	1000	20.00	
			Stewart	133	6-1-1901	3500	70.00	
			Additional	77A	4-15-1882	184	3.68	
			Additional	116A	6-1-1890	36	.72	
			Additional	116B	6-1-1890	65	.10	
		35		Additional	116C	6-1-1890	20	.40
				Bryan		100	2.00	
				4-1-1910	3189	63.78		
				4-1-1914	885	17.70		
Pioneer-Dixie			Stewart	8	6-1-1864	1000	20.00	
		36	Stewart	45	6-1-1869	1772	35.44	
		48	Stewart	96	10-1-1887	100	2.00	
		111*	Stewart	96	10-1-1887	210	4.20	
		62*	Stewart			1017	20.34*	
					50	1.00*		
Eureka No. 2			Stewart	89	11-8-1883	1085	21.70	
		47	Stewart	96	10-1-1887	1475	29.50	
		62	Stewart	96	10-1-1887	50	1.00	
		71	Stewart	24	6-1-1865	40	.80	
		85	Stewart			25	.50	
	111*		Stewart	96		60	1.20*	

*Subtract

Chart No. 25-F

AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Order	Decree	Priority		Inches	Amount Decreed	
		No.	Date		Sec. Ft.	Total Sec. Feet
	Stewart	132	5-17-1900	500	10.00	
	Stewart	134	10-25-1901	277	5.54	
5	Stewart	96	10-1-1887	605	12.10	
	Stewart	9	6-1-1865	25	.50	28.14
	Stewart	9	6-1-1865	671	13.42	
05*	Stewart	9	6-1-1865	25	.50*	12.92
	Stewart	88	6-1-1883	600	12.00	
	Stewart	91	6-1-1884	1000	20.00	
	Stewart	95	1-23-1887	200	4.00	
	Stewart	124	5-1-1893	4000	80.00	
	Stewart	130	10-1-1899	1000	20.00	
	Stewart	133	6-1-1901	3500	70.00	
	Additional	77A	4-15-1882	184	3.68	
	Additional	116A	6-1-1890	36	.72	
	Additional	116B	6-1-1890	65	.10	
	Additional	116C	6-1-1890	20	.40	
				100	2.00	
	Bryan		4-1-1910	3187	63.78	
			4-1-1914	885	17.70	294.38
	Stewart	8	6-1-1864	1000	20.00	
	Stewart	45	6-1-1869	1772	35.44	
36	Stewart	96	10-1-1887	100	2.00	
48	Stewart	96	10-1-1887	210	4.20	
11*	Stewart			1017	20.34*	
62*	Stewart			50	1.00*	40.30
	Stewart	89	11-8-1883	1085	21.70	
47	Stewart	96	10-1-1887	1475	29.50	
62	Stewart	96	10-1-1887	50	1.00	
71	Stewart	24	6-1-1865	40	.80	
85	Stewart			25	.50	
11*	Stewart	96		60	1.20*	52.00

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Decree	Priority		Amount Decreed		S
				No.	Date	Inches	Sec. Ft.	
Upper Cen. Point	85*	71*	Stewart	23	6-1-1865	160	3.20	
			Stewart	24	6-1-1865	120	2.40	
			Stewart	25	6-1-1865	197	3.94	
			Stewart	26	6-1-1865	80	1.60	
			Stewart	27	6-1-1865	79	1.58	
			Stewart			40	.80*	
			Stewart			25	.50*	
Lower Center Point	50* 50*		Stewart	19	6-1-1865	144	2.88	
			Stewart	22	6-1-1865	160	3.20	
			Stewart	38	6-1-1868	160	3.20	
			Stewart	43	6-1-1869	180	3.60	
			Stewart	73	6-1-1879	200	4.00	
			Stewart	20	6-1-1865	320	6.40	
			Stewart	21	6-1-1865	145	2.90	
			Stewart	19	6-1-1865	144	2.88*	
		Stewart	20	6-1-1865	320	6.40*	16	
Bowman & Swisher	50 51 127*		Stewart	19	6-1-1865	144	2.88	
			Stewart	20	6-1-1865	320	6.40	
			Stewart		6-1-1865	40	.80*	8
Mammon			Stewart	41	6-1-1869	90	1.80	
			Stewart	68	6-1-1878	210	4.20	
			Stewart	69	6-1-1878	168	3.36	9.
Haas Ditch			Stewart	39	6-1-1868	427	8.54	
			Stewart	70	6-1-1878	440	8.80	17.
Island High Line			Additional	71A	4-1-1879	150	3.00	
			Additional	137A	4-1-1910	350	7.00	
			Additional	139	4-1-1915	500	10.00	20.
Larsen-Baxter-Lemp	127		Additional	75A	1880	40	.80	
				127	6-1-1865	160	3.20	4.

*Subtract

ART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

e in f D.	Transfer	Decree	Priority		Amount Decreed		
			No.	Date	Inches	Sec. Ft.	Total Sec. Feet
		Stewart	23	6-1-1865	160	3.20	
		Stewart	24	6-1-1865	120	2.40	
		Stewart	25	6-1-1865	197	3.94	
		Stewart	26	6-1-1865	80	1.60	
	71*	Stewart	27	6-1-1865	79	1.58	
35*		Stewart			40	.80*	
		Stewart			25	.50*	11.42
		Stewart	19	6-1-1865	144	2.88	
		Stewart	22	6-1-1865	160	3.20	
		Stewart	38	6-1-1868	160	3.20	
		Stewart	43	6-1-1869	180	3.60	
		Stewart	73	6-1-1879	200	4.00	
		Stewart	20	6-1-1865	320	6.40	
		Stewart	21	6-1-1865	145	2.90	
50*		Stewart	19	6-1-1865	144	2.88*	
50*		Stewart	20	6-1-1865	320	6.40*	16.90
50		Stewart	19	6-1-1865	144	2.88	
51		Stewart	20	6-1-1865	320	6.40	
27*		Stewart		6-1-1865	40	.80*	8.48
		Stewart	41	6-1-1869	90	1.80	
		Stewart	68	6-1-1878	210	4.20	
		Stewart	69	6-1-1878	168	3.36	9.36
		Stewart	39	6-1-1868	427	8.54	
		Stewart	70	6-1-1878	440	8.80	17.34
		Additional	71A	4-1-1879	150	3.00	
		Additional	137A	4-1-1910	350	7.00	
		Additional	139	4-1-1915	500	10.00	20.00
		Additional	75A	1880	40	.80	
127		127		6-1-1865	160	3.20	4.00

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

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

Chart No. 25-H

STEWART DECREE AND BRYAN DECREE GROUPED UNDER CANAL HEADINGS

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

CH

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>
1	Thomas Davis	1	2.20	1.65	1.32		
2	Jacobs Canal Co.*	1	20.00	20.00	20.00		1152.58
3	Middleton Mill Ditch Co.	1	12.80	9.60	7.68		
4	Thomas Andrews	3	3.30	2.47	1.98		1154.50
5	Catlin & Mace	1	2.86	2.15	1.71		
6	T. C. Catlin	1	3.30	2.47	1.98		1154.93
7	C. C. Havird	1	3.30	2.47	1.98		1155.43
8	Pioneer Dixie Ditch Co.	2	20.00	15.00	12.00		1155.93
8A	Adolph Bahler	1	.80	.60	.48		
8B	First Nat'l. Bank of Pueblo	1	1.80	1.35	1.08		1156.05
9	Siebenberg	2	13.42	10.07	8.05		1156.32
10	Allen V. Webster	1	1.20	.90	.72		
11	J. F. Yaryan	1	.66	.49	.40		1156.50
12	Graham & Gilbert	1	4.40	3.30	2.64		1156.60
13	Eureka Water Co.	1	33.32	24.99	19.99		1157.26
14	New Union Ditch Co.	1	13.76	10.32	8.26		1162.26
15	Boise Valley Irrigation Co.	1	54.58	40.94	32.75		1164.32
16	Ridenbaugh & Rossi	1	9.20	6.90	5.52		1172.51
17	Ridenbaugh & Rossi (Power)	1					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 Siomonson	1	6.00	4.50	3.60		1174.91
29B	S. G. Hardies & Amelia Eisley	1	.50	.38	.30		1174.99
30	J. Perrault & R. Johnson*	1	50.00	50.00	50.00		
31	William P. Kennedy	1	2.60	1.95	1.56		1175.38
31A	Wm. Musser	1	2.30	1.73	1.38		1175.73
31B	Minnie & Jerry Couzens	1	.60	.45	.36		1175.82
31C	Albert C. Bowerman	1	1.10	.83	.66		1175.99
32	Menville & Leonard	1	3.50	2.63	2.10		1176.51
33	Boise City Canal Co.	1	38.06	28.55	22.83	22.83	1182.22
34	Franklin Ditch Co.	1	15.40	11.55	9.24	32.07	1184.53
35	Canyon County Water Co.	1	75.80	56.85	45.48	77.55	1195.90
35A	Ralph T. Knight	1	1.76	1.32	1.06	78.61	1196.16
36	Martha E. McCarthy	1	14.10	10.58	8.46	87.07	1198.28

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

TABLE SHOWING DECREE 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	2.20	1.65	1.32		
	1	20.00	20.00	20.00	1152.58	1465.17
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
h Co.	1	3.30	2.47	1.98	1155.93	1470.75
	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
b.	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					
nd 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
ouzens	1	.60	.45	.36	1175.82	1519.28
an	1	1.10	.83	.66	1175.99	1519.56
rd	1	3.50	2.63	2.10	1176.51	1520.44
Co.	1	38.06	28.55	22.83	22.83	1529.96
b.	1	15.40	11.55	9.24	32.07	1533.81
ter Co.	1	75.80	56.85	45.48	77.55	1552.76
	1	1.76	1.32	1.06	78.61	1553.20
ay	1	14.10	10.58	8.46	87.07	1556.73

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 Necessa To Fill to 7</u>
37	H. D. & Dora Goodman	1	3.70	2.78	2.22		
38	T. T. Johnson	2	3.20	2.40	1.92		1198.84
39	Ross, Allen, Dilley & Ross	3	8.54	6.41	5.12		
40	S. S. Gray	1	1.40	1.05	.84	90.13	1199.05
41	John Mammon	3	1.80	1.35	1.08		
42	Isaac Bedal	1	1.60	1.20	.96	91.09	1199.29
43	Frederich Ode	2	3.60	2.70	2.16		
44	Prior Burnett	3	8.50	6.38	5.10		
45	Pioneer Dixie Ditch Co.	2	35.44	26.58	21.26		
46	Mason Creek Ditch Co.	1	37.20	27.90	22.32	113.41	1204.87
47	T. W. Boone	3	3.50	2.63	2.10		
47A	Adolph Bahler	1	.80	.60	.48	113.89	1204.99
48	W. J. Hamming	1	2.60	1.95	1.56	115.45	1205.38
49	Pioneer Canal	1	25.72	19.29	15.43	130.88	1209.24
50	Barber Lumber Co.	1	2.24	1.68	1.34	132.22	1209.58
51	Thomas Andrews	3	1.30	.98	.78		
51A	S. G. Hardies & Amelia Eisley	1	1.00	.75	.60	132.82	1209.73
52	Catlin & Mace	1	7.86	5.90	4.72	137.54	1210.91
53	Peter Meeves	1	1.80	1.35	1.08	138.62	1211.18
54	Middleton Mill Ditch Co.	1	33.70	25.28	20.22	158.84	1216.24
55	J. F. Yaryan	1	.70	.53	.42	159.26	1216.35
56	J. F. Yaryan	1	1.40	1.05	.84	160.10	1216.56
57	Mary C. Davis	1	4.40	3.30	2.64	162.74	1217.22
58	Edward N. Hart	1	3.30	2.47	1.98	164.72	1217.72
59	T. W. Boone	3	2.20	1.65	1.32		
60	Farmer's Coop. Ditch Co.	2	10.00	7.50	6.00		
61	Edward & Mary Clark	1	2.30	1.73	1.38	166.10	1218.07
62	John Cecil	1	.44	.33	.26	166.36	1218.14
63	Thomas Aiken	1	5.20	3.90	3.12	169.48	1218.92
64	W. H. Conway	1	.90	.68	.54	170.02	1219.06
65	Middleton Water Co.	1	114.08	85.56	68.45	238.47	1236.17
66	Perrault & Johnson (Power)	1					
66A	J. S. Kraus	1	.80	.60	.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		

Chart No. 26-A

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	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		
3	1.80	1.35	1.08		1199.05	1558.81
1	1.60	1.20	.96	91.09		
2	3.60	2.70	2.16		1199.29	1559.21
3	8.50	6.38	5.10			1560.11
2	35.44	26.58	21.26			
1	37.20	27.90	22.32	113.41		1568.97
3	3.50	2.63	2.10		1204.87	1578.27
1	.80	.60	.48	113.89		
1	2.60	1.95	1.56	115.45	1204.99	1578.47
1	25.72	19.29	15.43	130.88	1205.38	1579.12
1	2.24	1.68	1.34	132.22	1209.24	1585.55
3	1.30	.98	.78		1209.58	1586.11
1	1.00	.75	.60	132.82		
1	7.86	5.90	4.72	137.54	1209.73	1586.36
1	1.80	1.35	1.08	138.62	1210.91	1588.33
1	33.70	25.28	20.22	158.84	1211.18	1588.78
1	.70	.53	.42	159.26	1216.24	1597.21
1	1.40	1.05	.84	160.10	1216.35	1597.39
1	4.40	3.30	2.64	162.74	1216.56	1597.74
1	3.30	2.47	1.98	164.72	1217.22	1598.84
3	2.20	1.65	1.32		1217.72	1599.67
2	10.00	7.50	6.00			
1	2.30	1.73	1.38	166.10	1218.07	1602.17
1	.44	.33	.26	166.36	1218.14	1602.74
1	5.20	3.90	3.12	169.48	1218.92	1602.86
1	.90	.68	.54	170.02	1218.92	1604.16
1	114.08	85.56	68.45	238.47	1219.06	1604.39
1					1236.17	1632.91
1	.80	.60	.48	238.95		
1	.80	.60	.48	239.43	1236.29	1633.11
1	1.40	1.05	.84	240.27	1236.41	1633.31
1	.80	.60	.48	240.75	1236.62	1633.66
1	170.00	127.50	102.00	342.75	1236.74	1633.86
3	4.20	3.15	2.52		1262.24	1676.36
3	3.36	2.52	2.02			
3	8.80	6.60	5.28			
3	4.40	3.30	2.64			
3	3.00	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>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>Flow Ne To Fill</u>
Goble & Songer	1	.54	.41	.32	361.86	1267.02	
Smith Stockton	3	1.76	1.32	1.06			
Isham Joplin	1	2.40	1.80	1.44	363.30	1267.38	
C. B. Frank	1	.816	.61	.49	363.79	1267.50	
Albert Lemp et al	3	3.20	2.40	1.92			
Joseph Goble	1	.90	.68	.54	364.33	1267.64	
Franklin Ditch Co.	1	27.60	20.75	16.56	380.89	1271.78	
Gus A. Barth	3	1.60	1.20	.96			
Charles Jurries	3	.34	.26	.20			
James Finlay	3	.80	.60	.48			
Lester J. Shippy	3	1.30	.98	.78			
Roc Helms	2	3.674	2.76	2.20			
Allen V. Webster	1	.90	.68	.54	381.43	1271.92	169
Susie Campbell	1	.60	.45	.36	381.79	1272.01	169
J. T. Barber	1	1.60	1.20	.96	382.75	1272.25	169
Sonora Joplin	1	3.40	2.55	2.04	384.79	1272.76	169
S. W. Hutchinson	1	.44	.33	.26	385.05	1272.83	169
Johnson	1	.44	.33	.26	385.31	1272.90	169
Andrew J. Joplin	1	2.86	2.15	1.72	387.03	1273.33	169
James L. Graham	1	2.20	1.65	1.32	388.35	1273.66	169
Leo Marsters	1	1.60	1.20	.96	389.31	1273.90	169
Jacob Bingham	1	1.00	.75	.60	389.91	1274.05	169
Wm. Huckba	1	.203	.15	.12	390.03	1274.08	169
C. H. Schmelzer	1	.7506	.56	.45	390.48	1274.19	169
C. W. McClurg	1	.35	.26	.21	390.69	1274.24	169
Farmers Coop. Ditch	2	20.00	15.00	12.00			170
Francis M. Joplin	1	.90	.68	.54	391.23	1274.40	170
W. A. Black	2	12.00	9.00	7.20			170
Eureka Ditch Co. No. 2	2	21.70	16.28	13.02			170
Pioneer Irrigation Dist.	1	53.10	39.83	31.86	423.09	1282.35	170
Riverside Irrig. Dist.	2	20.00	15.00	12.00			170
Settlers Canal Co.	1	99.06	74.30	59.44	482.53	1297.21	170
New Dry Creek Co.	1	15.22	11.42	9.13	491.66	1299.49	170
Thomas Davis	1	13.40	10.05	8.04	499.70	1301.50	170
Wm. E., L. & E. Young	2	4.00	3.00	2.40			170
American Ditch Assoc.	2	47.80	35.85	28.68			170
New Dry Creek Ditch	1	7.86	5.90	4.72	504.42	1302.68	170
A. V. Linder	1	4.00	3.00	2.40	506.82	1303.28	170
Levi Smith	1	1.30	.98	.78	507.60	1303.48	170
Charlotte Calhoun	1	1.40	1.05	.84	508.44	1303.69	170
Ed J. Linder	1	1.46	1.10	.88	509.32	1303.91	170
Lizzie Everett	1	1.20	.90	.72	510.04	1304.09	170
Jessie Wilson	1	1.40	1.05	.84	510.88	1304.30	170
Thomas Andrews	3	.90	.68	.54			170

Chart No. 26-B

DECREED RIGHTS (STEWART DECREE) & 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	.41	.32	361.86	1267.02	1685.33
1.76	1.32	1.06			
2.40	1.80	1.44	363.30	1267.38	1685.93
.816	.61	.49	363.79	1267.50	1686.13
3.20	2.40	1.92			
.90	.68	.54	364.33	1267.64	1686.36
27.60	20.75	16.56	380.89	1271.78	1693.26
1.60	1.20	.96			
.34	.26	.20			
.80	.60	.48			
1.30	.98	.78			
3.674	2.76	2.20			
.90	.68	.54	381.43	1271.92	1694.18
.60	.45	.36	381.79	1272.01	1694.41
1.60	1.20	.96	382.75	1272.25	1694.56
3.40	2.55	2.04	384.79	1272.76	1694.96
.44	.33	.26	385.05	1272.83	1695.81
.44	.33	.26	385.31	1272.90	1695.92
2.86	2.15	1.72	387.03	1273.33	1696.03
2.20	1.65	1.32	388.35	1273.66	1696.75
1.60	1.20	.96	389.31	1273.90	1697.30
1.00	.75	.60	389.91	1274.05	1697.70
.203	.15	.12	390.03	1274.08	1697.95
.7506	.56	.45	390.48	1274.19	1698.00
.35	.26	.21	390.69	1274.24	1698.19
20.00	15.00	12.00			1698.28
.90	.68	.54	391.23	1274.40	1703.28
12.00	9.00	7.20			1703.51
21.70	16.28	13.02			1706.51
53.10	39.83	31.86	423.09	1282.35	1711.94
20.00	15.00	12.00			1725.22
99.06	74.30	59.44	482.53	1297.21	1730.22
15.22	11.42	9.13	491.66	1299.49	1754.99
13.40	10.05	8.04	499.70	1301.50	1758.80
4.00	3.00	2.40			1761.15
47.80	35.85	28.68			1763.15
7.86	5.90	4.72	504.42	1302.68	1775.10
4.00	3.00	2.40	506.82	1303.28	1777.07
1.30	.98	.78	507.60	1303.48	1778.07
1.40	1.05	.84	508.44	1303.69	1778.40
1.46	1.10	.88	509.32	1303.91	1778.75
1.20	.90	.72	510.04	1304.09	1779.12
1.40	1.05	.84	510.88	1304.30	1779.42
.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 Necessary To Fill to 75%</u>
105	Farmers Coop. Ditch	2	50.00	37.50	30.00		
106	Nampa-Meridian Irr. Dist.	1	370.84	278.13	222.50	733.38	1359.93
107	Charles S. Miller	1	.06	.05	.04	733.42	1359.93
108	Lammis L. Hosley	1	.02	.015	.01	733.43	1359.93
109	S. J. Utter, & C. B. Taylor	1	2.40	1.80	1.44	734.87	1360.29
110	South Boise Mutual Irr. Co.	1	6.00	4.50	3.60	738.47	1361.19
111	Estate of J. H. Gallagher	1	2.94	2.21	1.76	740.23	1361.63
112	Anna H. Fogarty	1	.05	.04	.03	740.26	1361.63
113	Grace Call	1	.10	.08	.06	740.32	1361.64
114	Samuel H. Canfield	1	.03	.02	.02	740.34	1361.64
114A	Neil & Patrick O'Donnell	3	1.60	1.20	.96		
114B	Gus A. Barth	3	.80	.60	.48		
115	Sonora Joplin	1	.06	.05	.04	740.38	1361.64
116	Sonora Joplin	1	1.20	.90	.72	741.10	1361.82
116A	S. G. Hardies & Amelia Easley	1	.84	.63	.50	741.60	1361.95
116A	Anna Spencer	2	.72	.54	.43		
116B	Willis Spencer	2	.10	.08	.06		
116C	Rebecca Bell	2	.40	.30	.24		
117	Pioneer Irr. Dist.	1	200.00	150.00	120.00	861.60	1391.97
118	W. H. Conway	1	2.20	1.65	1.32	862.92	1392.28
119	Thomas Davis	1	.54	.41	.32	863.24	1392.36
120	Middleton Mill Ditch	1	17.00	12.75	10.20	873.44	1394.91
121	Thomas Andrews	3	3.50	2.63	2.10		
122	Settlers Canal Co.	1	73.44	55.08	44.06	917.50	1405.93
123	Thomas Aiken	1	.80	.60	.48	917.98	1406.05
124	Riverside Irr. Dist.	2	80.00	60.00	48.00		
124A	W. D. Charters	1	1.00	.75	.60	918.58	1406.20
125	R. H. Stockton	3	1.76	1.32	1.06		
126	Farmers Union Ditch	1	110.00	82.50	66.00	984.58	1422.70
127	Charles Rein & James Keogh	1	1.00	.75	.60	985.18	1422.85
128	Mathew Casey	1	.66	.50	.40	985.58	1422.95
129	Farmers Coop. Ditch	2	83.50	62.63	50.10		
130	Riverside Irr. Dist.	2	20.00	15.00	12.00		
131	New York Canal Co.	1	219.10	164.33	131.46	1117.04	1455.82
132	Canyon Ditch Co.	2	10.00	7.50	6.00		
133	Riverside Irrig. Dist.	2	70.00	52.50	42.00		
134	Canyon Ditch Co.	2	5.54	4.16	3.32		
135	Pioneer Irr. Dist.	1	56.34	42.26	33.80	1150.84	1464.27
136	H. E. Wimer	1	.356	.27	.21	1151.05	1464.32
137	B. P. Weaverling	1	1.60	1.20	.96	1152.01	1464.56
137A	Island Highline Ditch Co.	3	7.00	5.25	4.20		
138	Wesley A. Mace	1	.40	.30	.24	1152.25	1464.62
139	Island Highline Ditch Co.	3	10.00	7.50	6.00		

(See Notes in front of report for further explanations)

TABLE SHOWING DECREED RIGHTS (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%
. Ditch	2	50.00	37.50	30.00		
an Irr. Dist.	1	370.84	278.13	222.50		1797.27
Miller	1	.06	.05	.04	733.38	1359.93
osley	1	.02	.015	.01	733.42	1359.93
, & C. B. Taylor	1	2.40	1.80	1.44	733.43	1359.93
Mutual Irr. Co.	1	6.00	4.50	3.60	734.87	1360.29
. H. Gallagher	1	2.94	2.21	1.76	738.47	1361.19
arty	1	.05	.04	.03	740.23	1361.63
Canfield	1	.10	.08	.06	740.26	1361.63
rick O'Donnell	3	.03	.02	.02	740.32	1361.64
th	3	1.60	1.20	.96	740.34	1361.64
lin	1	.80	.60	.48		
lin	1	.06	.05	.04	740.38	1361.64
ies & Amelia Eisley	1	1.20	.90	.72	741.10	1361.82
er	2	.84	.63	.50	741.60	1361.95
ncer	2	.72	.54	.43		
ll	2	.10	.08	.06		
r. Dist.	2	.40	.30	.24		
r. Dist.	1	200.00	150.00	120.00	861.60	1391.97
ay	1	2.20	1.65	1.32	862.92	1392.28
is	1	.54	.41	.32	863.24	1392.36
Mill Ditch	1	17.00	12.75	10.20	873.44	1394.91
ews	3	3.50	2.63	2.10		
nal Co.	1	73.44	55.08	44.06	917.50	1405.93
n	1	.80	.60	.48	917.98	1406.05
rr. Dist.	2	80.00	60.00	48.00		
ers	1	1.00	.75	.60	918.58	1406.20
ton	3	1.76	1.32	1.06		
on Ditch	1	110.00	82.50	66.00	984.58	1422.70
h & James Keogh	1	1.00	.75	.60	985.18	1422.85
y	1	.66	.50	.40	985.58	1422.95
. Ditch	2	83.50	62.63	50.10		
r. Dist.	2	20.00	15.00	12.00		
el Co.	1	219.10	164.33	131.46	1117.04	1455.82
Co.	2	10.00	7.50	6.00		
rig. Dist.	2	70.00	52.50	42.00		
Co.	2	5.54	4.16	3.32		
Dist.	1	56.34	42.26	33.80	1150.84	1464.27
	1	.356	.27	.21	1151.05	1464.32
ling	1	1.60	1.20	.96	1152.01	1464.56
ine Ditch Co.	3	7.00	5.25	4.20		
e	1	.40	.30	.24	1152.25	1464.62
ine Ditch Co.	3	10.00	7.50	6.00		

f report 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	694.38	555.90	3876.32	4351.89
4-1-10	Riverside Irrigation Dist.	63.78	47.84	38.27	3911.59	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>
on	54.46	40.85	32.68	2159.80	3922.75	4375.08
rigation Dist.) (Irrig. Dist.)	58.86	44.15	35.32	2195.12	3931.58	4389.80
es of America	1354.58	1015.94	812.75	3007.87	4134.77	4728.45
rigation Dist.	306.56	229.92	183.94	3191.81	4180.75	4805.09
operative Ditch Co.	154.45	115.84	92.67	3284.48	4203.92	4843.70
e Mutual Ditch Co.	5.40	4.05	3.24	3287.72	4204.73	4845.05
rigation Dist.	54.50	40.88	32.70	3320.42	4212.91	4858.68
es of America	926.50	694.38	555.90	3876.32	4351.89	5090.31
rigation Dist.	63.78	47.84	38.27	3914.59	4361.46	5106.26
es of America (k Storage)	8000.00					13106.26
rigation Dist.	17.70					13123.96

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



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