

**WATER DISTRIBUTION OF BOISE RIVER
DISTRICT NO. 12-A
1951**

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF ~~1951~~
1952

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

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

BY

EDWIN B. KARN

WATERMASTER, BOISE RIVER

C H A R T S

1. Map of Boise River, showing canal diversions.
2. 2-A, 2-B, 2-C, 2-D, 2-E, 2-F, 2-G, 2-H, 2-I, 2-J and 2-K are tables showing natural flow of Boise River by days for the period from 1895 to 1940 inclusive. 2-L, 2-M, 2-N and 2-O show the same information for the period from 1941 to ~~1951~~ inclusive. *to date*
3. Table showing mean daily flow of Boise River for a 50 year period.
4. Table showing monthly and annual flow of Boise River in acre-feet, for the irrigation years from 1894-95 to ~~1950-51~~ inclusive. *to date*
5. 5-A, 5-B, 5-C, 5-D and 5-E, daily discharge of all canals (Sections 1 and 2) for irrigation season, ~~of 1951~~.
6. Summary table in acre-feet showing monthly and total canal diversions for the irrigation season, ~~of 1951~~.
7. 7-A, summary table showing total annual diversions for all Boise Valley canals beginning 1915.
8. 8-A and 8-B, daily discharge of all principal tributary streams feeding water to Boise River below More's Creek for irrigation season, ~~of 1951~~.
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 1951~~.
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 1951~~.
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 1951~~.
12. Table showing acreage under all canals in the Boise Valley.
14. Table showing acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1934.

C H A R T S

(Continued)

17. Table showing total discharge of drainage canals in Drainage District No. 2 for the irrigation season, of ~~1951~~.
18. Two tables showing total discharge of all drainage canals in Drainage Districts Nos. 3 and 4, for the irrigation season, of ~~1951~~.
19. Summary table of return flow to Boise River between the Government Diversion Dam and Notus beginning 1914.
20. Table showing distribution of drainage water to various canals
21. Table showing Intervenor Decrees on Boise River (Intervenors in the Stewart Decree), giving priority number, date and amount decreed.
22. Table showing changes in point of diversion of decreed rights on Boise River.
23. 23-A, tables showing transfers of decreed rights on Boise River.
24. Condensed table of Stewart Decree showing dates of priority and amounts decreed.
25. 25-A, 25-B, 25-C, 25-D, 25-E, 25-F, 25-G, 25-H and 25-I are tables showing the Stewart, Intervenor's and Bryan Decrees grouped under canal headings.
26. 26-A, 26-B and 26-C are tables in second feet showing decreed rights (Stewart Decree) and natural flow at Diversion Dam necessary to fill same. 26-D is a table in second feet showing decreed rights (Bryan Decree) and natural flow in second feet necessary at Diversion Dam to fill same.

ORGANIZATION

The Boise River Organization for ¹⁹⁵²1951 was the same that it has been for several years past. It includes a Chairman and Secretary, a Water-master, one Assistant for a few months during the summer, and a part-time stenographer.

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

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

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

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

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

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

DECREES

Stewart Decree:

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

"The various rights, as adjudicated in the so-called 'Stewart Decree', shall receive 100 percent, until the natural flow of the waters of Boise River shall decrease, until all the rights in said decree cannot receive 100 percent, at which time the various rights as adjudicated in the so-called 'Stewart Decree' shall first be cut to 75 percent of the amount of water decreed by the Stewart Decree as the natural flow of the Boise River decreases, beginning with the latest rights and proceeding to the

earliest rights in the order fixed in said Stewart Decree, and after all of the rights shall have been reduced to 75 percent of the amount fixed in the Stewart Decree, should the natural flow of the waters in Boise River decrease below the amount necessary to supply said 75 percent of the water rights as decreed in said Stewart Decree, then the various rights beginning with the latest and proceeding to the earliest, as aforesaid, shall be reduced to 60 percent of the amount specified in the Stewart Decree, and 60 percent of the amount decreed in the Stewart Decree is hereby fixed and determined as the highest duty of water for 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

er of priority, name to whom decree was
nd feet, showing 100 percent, 75 percent
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diversion in those sections of the river
reed.

ving the decreed rights contained in the
ree. It shows the date of priority, name
s issued, amount of decree in second feet,
t and 60 percent. It also shows the amount

of natural flow necessary at Diversion Dam to fill the various rights in
the Flood Water Decree to 60 percent, 75 percent and 100 percent.

BOISE RIVER RUN-OFF AND AVAILABLE WATER SUPPLY

The total annual flow for ¹⁹⁵² ~~1951~~ was ²⁸⁶³⁹³⁰ ~~2,558,126~~ acre-feet. Precipitation
^{about} was ^{above} ~~above~~ normal in March and ^{above} ~~below~~ normal in April. Irrigation started
^{late} ~~early~~ in April and built up fairly fast. ^{see note} The highest flow was ^{23,239} ~~14,035~~
second feet on ^{April 28} ~~May 29~~ and the lowest flow was ⁶³² ~~474~~ second feet on September
²⁶ ~~22~~. River regulation was begun on July ¹ ~~7~~ and continued for the balance of
the season. The demand for water was ^{fairly} ~~heavy~~ until the ^{last} ~~second~~ week in Sep-
tember, and ~~light for the balance of the season.~~

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 percent, 75 percent and 60 percent, and section of river in which point of diversion is located. It also shows the amount of natural flow necessary at Diversion Dam to fill the various rights in the Stewart Decree, including intervenors, to 60 percent, 75 percent and 100 percent. In computing the amounts necessary to fill the various rights in this table, it is assumed that the return flow will fill the first ³⁵~~22~~ rights to 60 percent of the amount decreed. It is also assumed that the return flow to sections 2 and 3 of the river would fill the rights with points of diversion in those sections of the river to 75 percent of the amount decreed.

Chart 26-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 wateruser to whom decree was issued, amount of decree in second feet, showing 100 percent, 75 percent and 60 percent. It also shows the amount of natural flow necessary at Diversion Dam to fill the various rights in the Flood Water Decree to 60 percent, 75 percent and 100 percent.

BOISE RIVER RUN-OFF AND AVAILABLE WATER SUPPLY

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Charts 2 to 2-K inclusive show the daily natural flow of the Boise River from 1895 to 1940 inclusive. Charts 2-L to 2-O inclusive show the daily natural flow of the Boise River from 1941 to ^{date} 1951 inclusive.

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 July 7. /

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

Chart 6 shows the monthly and total diversions for the Boise River for the irrigation season, ~~of 1951.~~

Chart 7 is a table showing the return flow, canal diversions, winter diversions and winter waste for the entire Boise Valley for each season beginning 1916 to 1938 inclusive. Chart 7-A shows the same information from 1939 to date.

TRIBUTARY GAIN

Data were gathered and compiled on all principal tributary streams feeding water to Boise River below 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 1951.~~

RIVER FLUCTUATION

1952
Fluctuations of river flow were less than average in 1951. These fluctuations are largely beyond the control of the Watermaster and will continue to remain as a menacing problem from that standpoint in connection with irrigation deliveries.

CLASSIFICATION OF RIVER

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

SECTION I

Chart 10 shows the condition that existed in this section during the period July 1 to September 30 inclusive. The average net gain in this section per ^{day} ~~month~~ during this period was ³⁴⁵ ~~415~~ second feet.

SECTION II

Chart 11 is a table showing the condition that existed in this section during the period July 1 to September 30 inclusive. The average return flow per ^{day} ~~month~~ during this period to this section was ¹⁰³⁴ ~~931~~ second feet.

SECTION III

The return flow to Section III was sufficient to take care of all rights in this section during the entire season, and therefore no regulations were required. In fact, during all of the years on record on the distribution of the waters of Boise River, beginning with 1914, there has been only one year--1931--during which it was necessary to regulate diversions from this section of the river, and during that year it was not necessary to run water past the Notus Bridge to supply the rights below.

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

1. "That a duty of water, if established, should be subject to change when conditions warrant. Conditions are continually changing. Our knowledge and methods of irrigation are improving. An arbitrary duty that would meet all requirements today might prove entirely inadequate fifty years from now. Posterity should not be handicapped by our present day limitations.

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

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

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

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

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

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

Chart 14 is a table showing acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1934. A similar record showing the acre-feet per acre diverted for 18 principal canals in the Boise Valley, beginning 1916, may be found in previous annual reports. The amount shown under the column "Acre Feet per Acre" cannot be construed as a duty of water for the lands of the Boise Valley, due to the large and varying quantities of return flow water picked up by many of these canals.

DRAINAGE

Chart 17 shows the total drainage discharge for Drainage District No. 2 for the season of ~~1950~~ and a summary for the same. This drainage district embraces an area of 29,000 acres situated on the north side of

Boise River between the City of Boise and the canyon near Caldwell.

Chart 18 is a table showing the discharge of all drains in both Drainage Districts Nos. 3 and 4. Drainage District No. 3, frequently referred to as the "South Boise Drainage District", is situated in South Boise. This district, comprising an area of 4,200 acres, has four drainage canals, all outlets emptying into the Boise River. Drainage District No. 4, frequently referred to as the "Thurman Drain", comprises an area of approximately 2,500 acres and is situated south of the Boise River and opposite the town of Eagle. This district has only one outlet to the Boise River.

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

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

INTERVENORS

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

CHANGES IN POINT OF DIVERSION

Chart 22 is a table showing the change in the point of diversion of decreed rights on the Boise River as recorded in the office of the State Reclamation Engineer.

TRANSFERS

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

STEWART DECREE

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

Charts 26, 26-A, 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 25-A to 25-I inclusive, have been compiled for the benefit of those canal companies which have more than one date of priority. These tables also include the transfers and changes in point of diversion. They show the date and amount of each priority and the total amount decreed.

BRYAN DECREE

Chart 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 following is quoted from the 1947 report:

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

to the entire populace of the Boise Valley, should remain under federal control."

STORAGE WATER

Both Anderson Ranch and Arrowrock Reservoirs have been lowered considerably in anticipation of a heavy runoff. They will both be filled to capacity and storage water will be ample. Two generators are now in operation.

FLOOD CONTROL

see note
Lucky Peak Dam construction *has been delayed, and* is progressing rapidly, but it will be *October* 1954 before any water can be stored, according to present calculations.

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

As of March 1 there was 725000
ac ft in Anderson Ranch Reservoir
and 777000 in Arrowrock Reservoir.
No water is being released
from Anderson Ranch. Arrowrock
will be lowered some in
anticipation of the runoff
which is ~~not~~ expected to
be heavy.

1952
COST REPORT - 1951

Watermaster Salary.	\$4,800.00	5000.00
Assistant Watermaster Salary.	991.67	850.00
Car Mileage	851.91	1008.77
Miscellaneous	405.66	699.98
Telephone	46.77	78.78
<i>Office Rent</i> Gage Readings	20.00	10.00 180.00
Stenographic Services	322.20	313.00
Insurance	67.60	82.20
Social Security Tax	54.00	48.50
Sub-Total		\$7,559.81

SERVICES RENDERED BY THE
BOISE PROJECT BOARD OF CONTROL

8,261.23

Gage Readers, Dowling	\$ 180.00
More's Creek.	160.00
Telephone Service to Upper River.	270.00
Assistance in Current Meter Work.	235.00
Office Work, compiling records of natural flow, etc.	225.00
Total value of services as fixed by Committee.	1,070.00

TOTAL COSTS TO WATER DISTRICT 12-A

FOR THE YEAR 1950

\$9,331.23

~~\$8,629.81~~

1952

CONCLUSIONS

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

utilized without being injurious to the inherent rights of the waterusers who are dependent upon this resource for a livelihood.

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

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

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

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

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

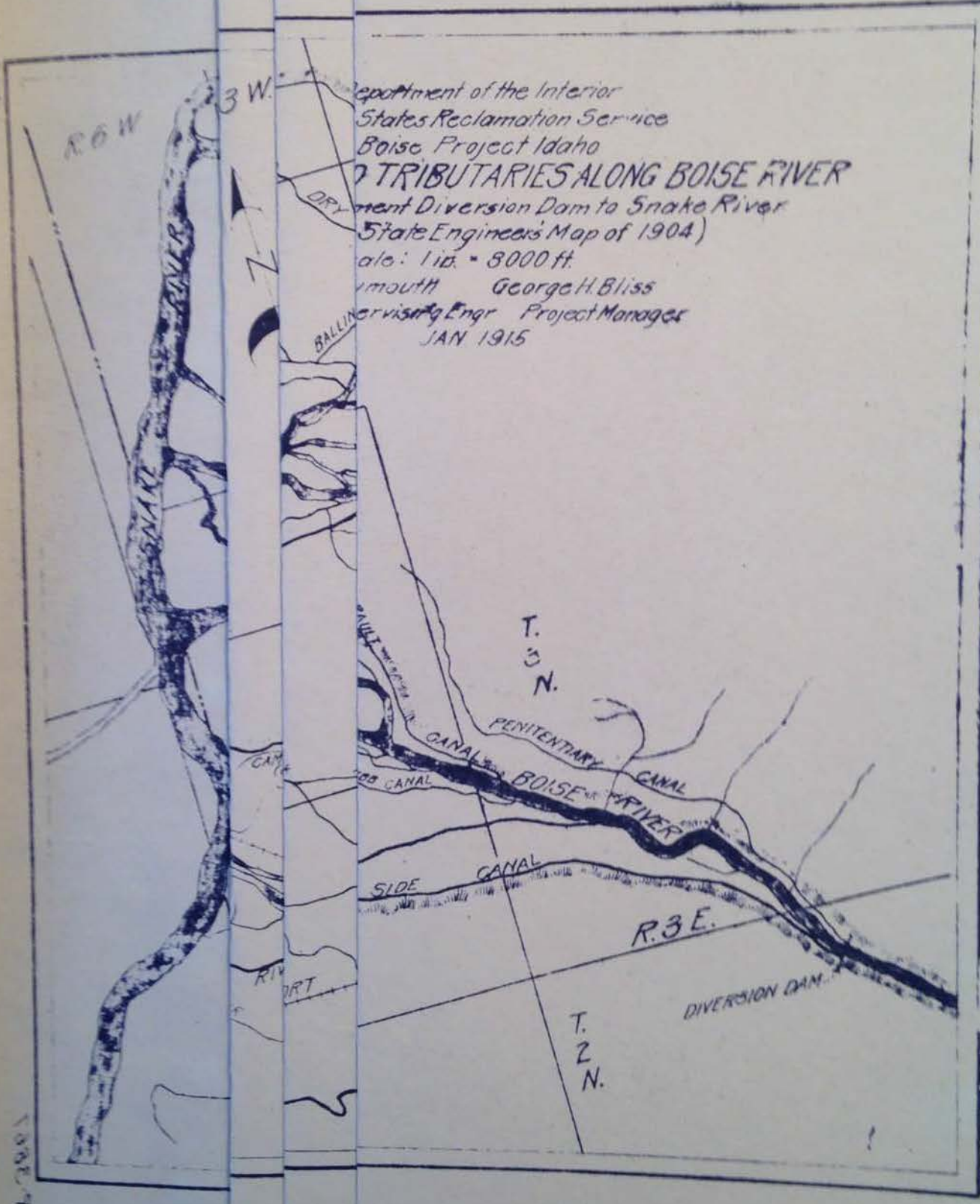
15. That the constant threat of flood is a serious menace to the low lands of the Boise Valley.

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

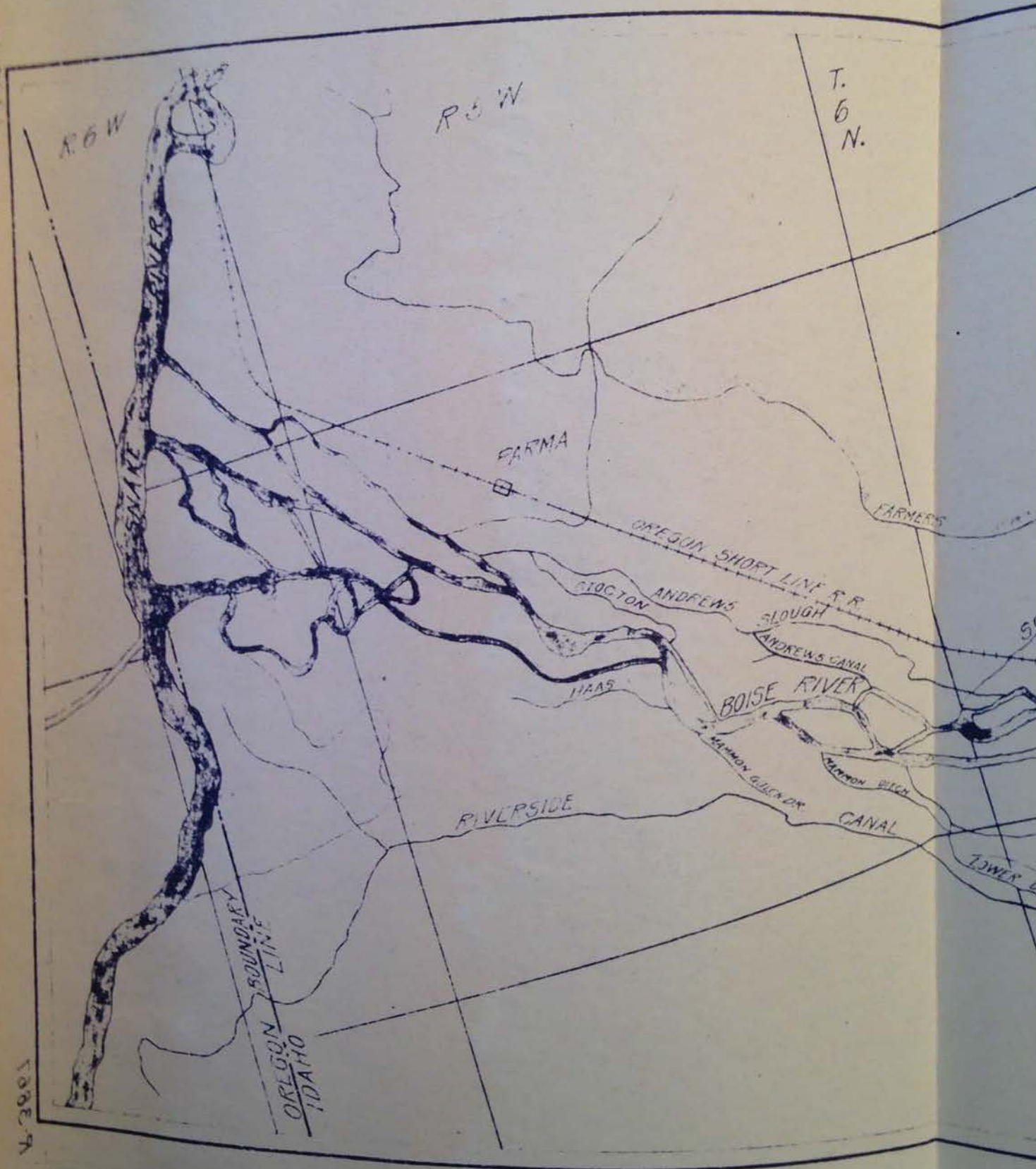
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4386



Department of the Interior
States Reclamation Service
Boise Project Idaho
BOISE RIVER
Diversion Dam to Snake River
State Engineers Map of 1904)
Scale: 1 in. = 8000 ft.
Compiled by George H. Bliss
Supervising Engr. Project Manager
JAN 1915



R6W

R5W

T.
6
N.

PARMA

FARMERS

OREGON SHORT LINE R.R.

STOCTON

ANDREWS

SLOUGH

ANDREWS CANAL

HAAS

BOISE RIVER

HAAS CANAL

HAAS DITCH

RIVERSIDE

CANAL

BOUNDARY
LINE

OREGON
IDAHO

T. 8 N.

T.
6
N.

R. 4 W.

FARMA

FARMERS

Creek

Sand Hollow

COOPERATIVE

NOTUS

OREGON SHORT LINE R.R.

STOCTON

ANDREWS

SLOUGH

ANDREWS CANAL

BOISE RIVER

HAAS

MINNION GULCH DR.

MINNION DITCH

CANAL

VERSIDE

LOWER CENTER POINT

SLOUGH

L.C.P.

UPPER CENTER POINT

EUREKA

Nº 2

LOWER DIXIE SL.

RIVERSIDE WASTE

PIONEER

PIPE GULCH

T.
4
N.

R.3 W.

R.2 W.



IDAHO NORTHERN RAILWAY

WEST HARTLEY GULCH

GULCH

EAST HARTLEY

CHALK

MIDDLETON

MIDDLETON SLOUGH

WILLOW

MASON (BIG SLOUGH)

MASON

CALDWELL

THURON

DIXIE

CLOUGH

DIXIE

RIVERSIDE

AMERICAN CANAL

CANAL

CAMPBELL DITCH (CANYON)

SIEGENBERG

PIONEER DIXIE

PIPE GULCH

UPPER CENTER POINT

EUREKA

POINT

WASTE

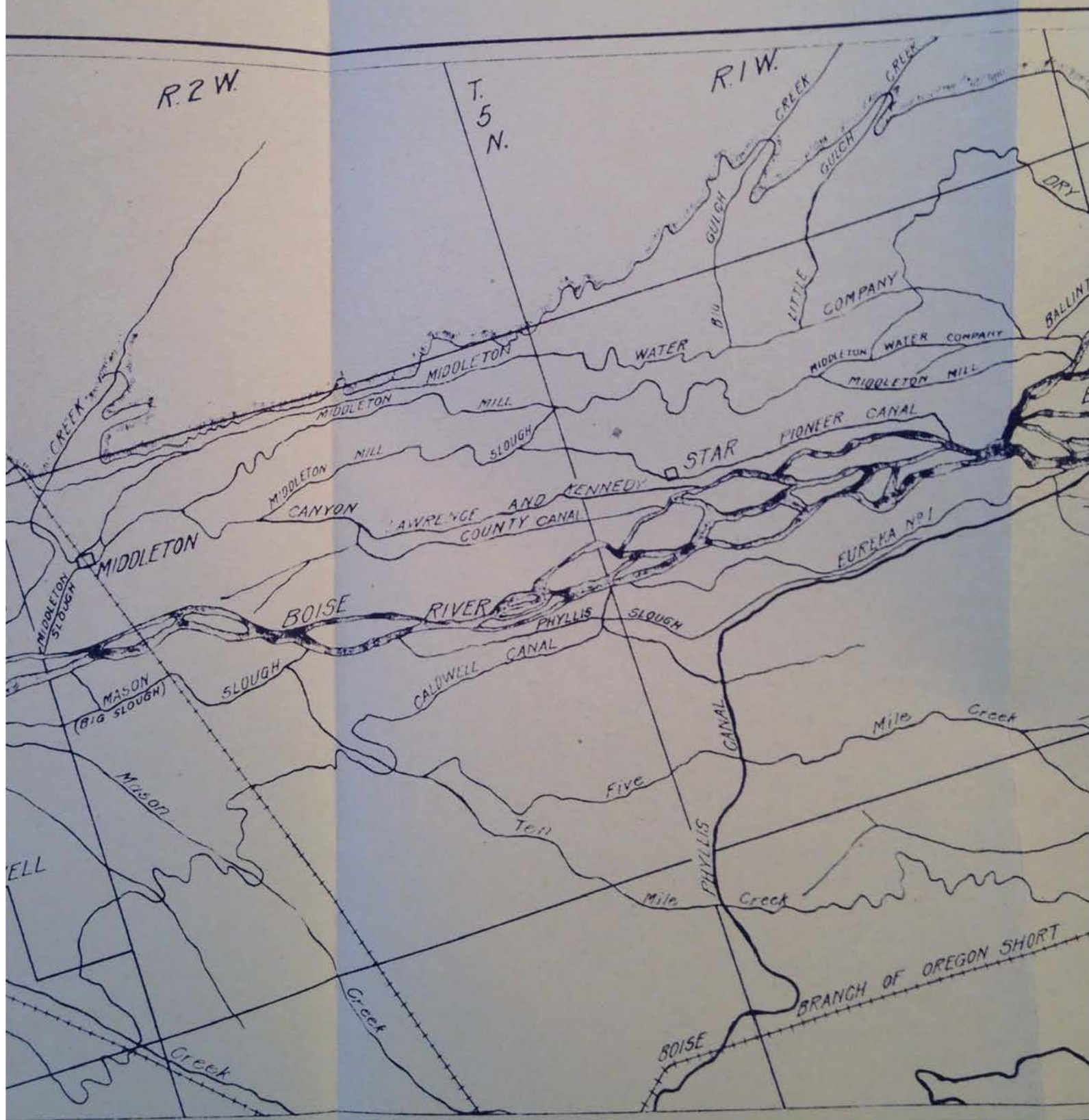
COOPERATIVE

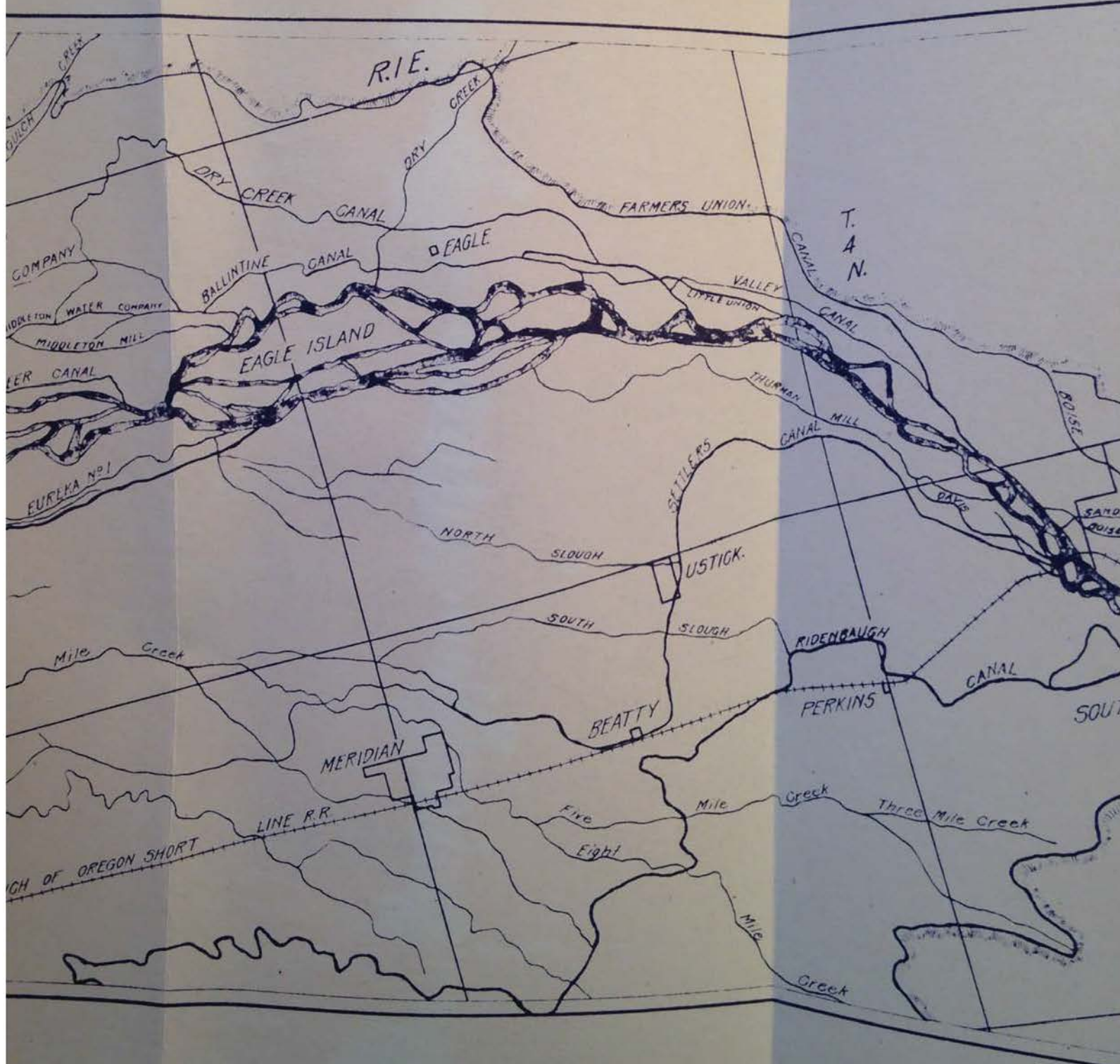
NOTUS

R. 2 W.

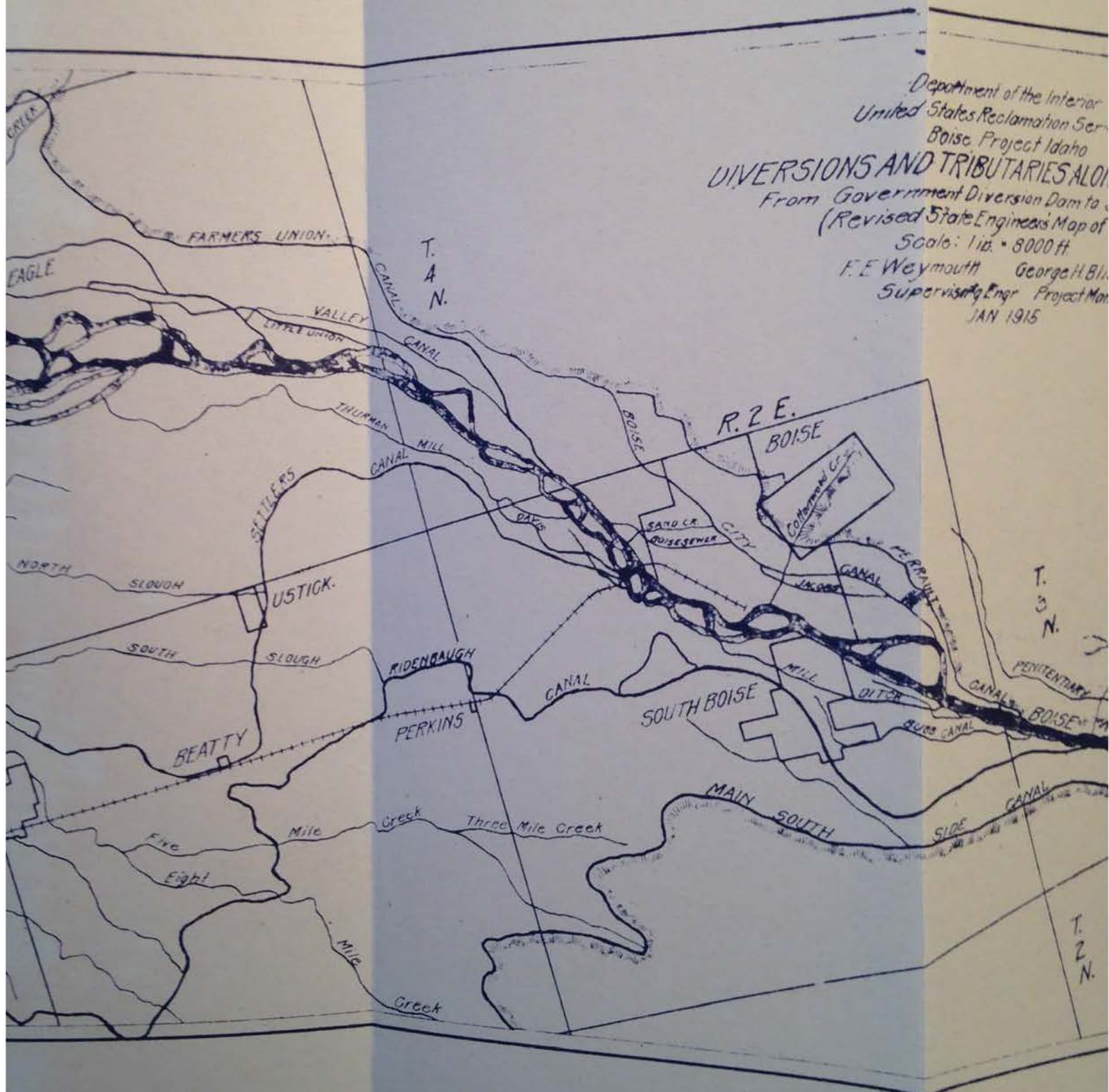
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Department of the Interior
 United States Reclamation Service
 Boise Project Idaho
DIVERSIONS AND TRIBUTARIES ALONG
 From Government Diversion Dam to
 (Revised State Engineer's Map of
 Scale: 1 in. = 8000 ft.
 F.E. Weymouth George H. Blair
 Supervising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



Department of the Interior
United States Reclamation Service
Boise Project Idaho

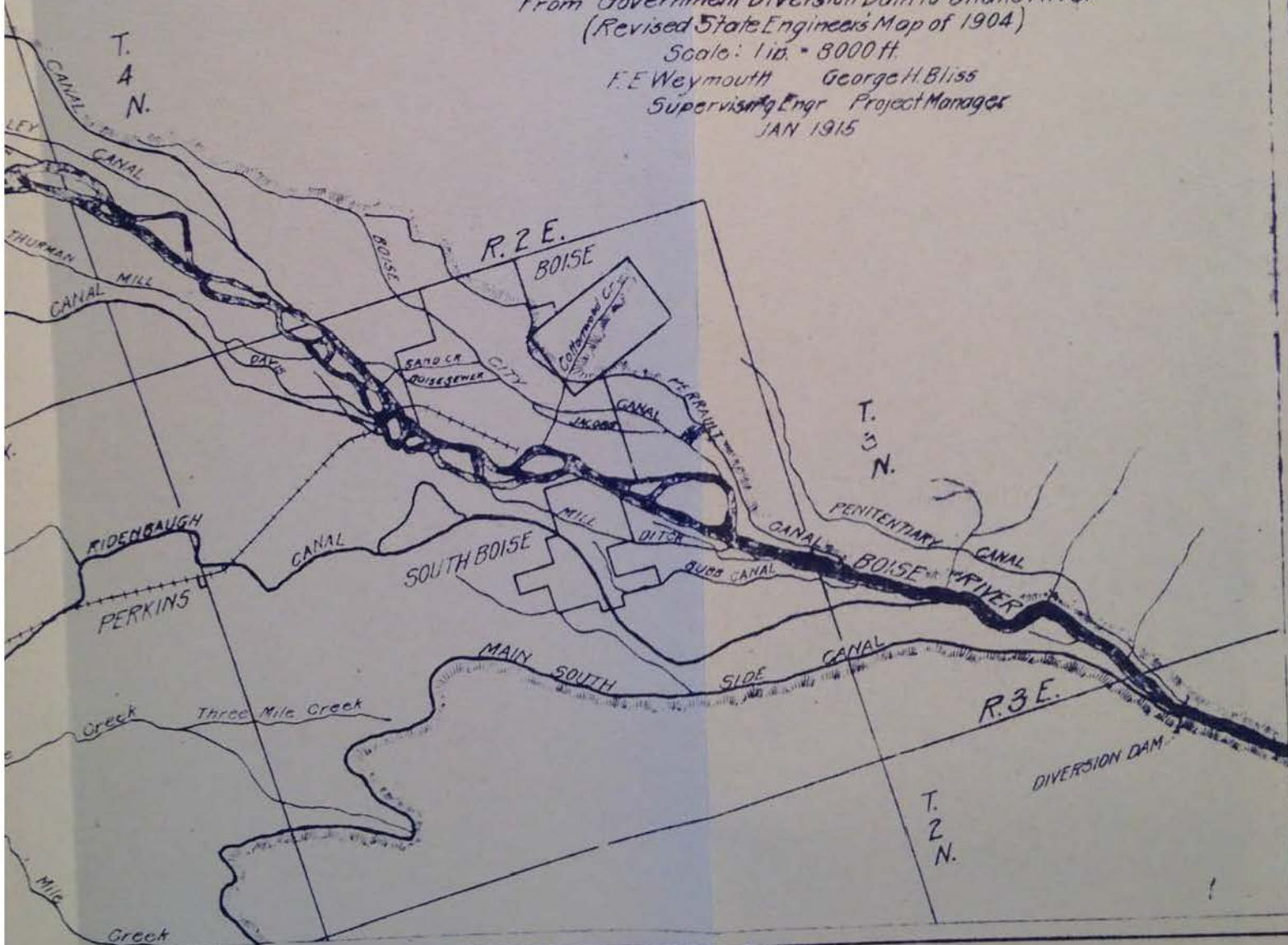
DIVERSIONS AND TRIBUTARIES ALONG BOISE RIVER

From Government Diversion Dam to Snake River

(Revised State Engineer's Map of 1904)

Scale: 1 in. = 8000 ft.

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



Year	1	2	3	4	5	6	7	8	9	10	11
1895	1470	1410	1280	1320	1330	1240	1180	980	1100	1240	12
1896	950	1070	720	720	720	720	720	950	950	950	9
1897	1070	1010	1010	950	950	890	890	950	950	1010	8
1898			550			550				550	
1899	2580	2580	2580	2580	2580	2780	2780	2780	2780	2780	27
1900	1570	1680	1680	1570	1680	1680	1680	1570	1360	1360	15
1901	1200	1200	1350	1310	1370	1510	1390	1350	1350	1350	12
1902	1120	1270	1190	1140	1080	1120	1120	1140	1120	1040	9
1903	1280	1070	945	1040	945	945	945	945	945	945	10
1904											
1905											
1906	700	700	675	700	750	880	750	750	750	810	8
1907											
1908	1180	1100	1100	1070	1040	965	900	965	1140	1070	10
1909	790	980	1100	1220	1220	1140	1140	1140	1310	1140	10
1910											
1911	870	750	940	1105	1035	1035	1070	1140	1140	1140	10
1912	990	940	1020	1020	1020	1260	1230	1160	1230	1230	12
1913											
1914	1080	1150	1220	1220	1220	1220	1220	1220	1080	950	8
1915	930	1050	1050	1050	1050	990	990	930	990	930	9
1916	715	736	763	760	746	744	740	763	766	763	7
1917	679	891	1006	991	936	984	1253	888	715	811	74
1918	5248	4046	3033	2462	2244	2153	2078	1964	1826	1738	14
1919	5569	605	555	535	620	680	740	659	669	674	68
1920	883	863	815	737	728	696	784	787	797	698	67
1921	2600	2129	3154	2307	2458	2330	2279	1751	1540	1545	13
1922	972	1280	1255	1111	921	1046	990	1178	1092	983	90
1923	1078	765	869	855	944	1028	1426	1538	1390	1317	121
1924	764	675	659	789	609	484	600	824	945	1248	94
1925	923	783	724	782	772	794	837	867	667	714	71
1926	604	574	823	866	850	889	940	830	756	688	80
1927	1026	1079	1033	1317	1062	1115	1193	1121	941	762	70
1928	791	1142	1433	1510	1566	1590	1368	1230	991	1425	14
1929	739	620	945	917	692	567	560	721	690	726	8
1930	938	842	835	777	762	830	742	440	446	731	7
1931	599	872	737	745	797	713	807	686	637	623	7
1932	567	678	656	697	617	622	689	687	683	707	7
1933	732	661	708	663	697	678	665	744	790	771	6
1934	1326	1219	1372	1537	1498	1238	1104	773	834	977	9
1935	984	623	583	660	969	1010	1040	1018	954	966	8
1936	702	741	866	831	928	706	657	848	766	835	7
1937	345	483	532	584	619	717	699	459	398	483	5
1938	875	975	1135	945	734	735	735	734	904	804	9
1939	1221	925	1026	1014	1304	1021	812	686	481	822	7
1940	950	1031	1446	1447	1220	1014	864	660	872	1004	11

TABLE, IN SECOND FEET, SHOWING DAILY FLOW OF BOISE RIV

8	9	10	11	12	13	14	15	16	17	18	19	20
880	1100	1240	1280	1330	1510	1650	1490	1450	1430	1370	1330	1280
880	980	950	950	1070	950	720	720	620	1010	1280	1350	1430
880	980	1010	890	830	720	620	620	620	570	570	570	720
		550			550				550			550
780	2780	2780	2780	2780	2780	2780	2980	2980	2980	2980	2980	2980
870	1380	1380	1570	1910	1910	2480	4120	3910	3520	2810	2330	2260
880	1380	1380	1270	1270	1270	1350	1430	1270	1270	1200	1200	1270
140	1120	1040	900	865	830	900	900	1000	1080	1120	1080	1040
945	945	945	1080	752	500	500	570	640	678	715	790	1020
780	750	810	880	880	810	810	810	810	810	1060	960	880
865	1140	1070	1040	1140	1070	1180	1240	1100	1100	1070	1070	1240
140	1310	1140	1060	1020	1020	1220	1490	3030	2610	3090	3990	5460
1140	1140	1140	1070	1000	1000	1000	965	870	810	870	1140	1210
1160	1230	1230	1230	1100	1100	1230	1380	1640	1660	1460	1420	1340
1220	1080	950	824	824	950	1150	1150	1080	1080	1220	1150	1080
930	990	930	990	930	930	930	900	990	900	930	930	930
763	766	763	736	754	764	759	717	723	719	733	746	745
868	715	811	740	769	677	662	603	595	498	590	498	590
1864	1826	1738	1428	1419	1445	1621	1583	1527	1450	1480	1517	1437
689	689	674	684	727	798	820	801	787	929	1109	1118	1073
787	797	698	674	657	651	692	747	880	1047	1096	1083	1014
1751	1540	1545	1393	1217	1155	1048	1819	1935	1700	1477	2586	2347
1178	1092	983	905	694	797	927	802	728	1028	1028	802	878
1538	1390	1317	1210	1155	897	938	1020	919	934	991	987	933
824	945	1248	949	899	661	662	673	883	881	843	761	698
867	667	714	715	629	716	575	625	601	652	656	816	669
850	756	688	802	772	740	692	776	801	902	862	760	738
1121	941	762	704	1179	1334	1066	1052	1083	1223	1051	1069	1075
1230	991	1425	1419	1298	1745	1882	2109	1887	1228	1224	1206	1725
721	690	726	811	793	588	977	787	852	785	854	789	791
440	446	731	771	805	859	779	706	804	604	559	645	605
686	637	623	750	810	745	660	541	794	759	652	648	634
687	683	707	734	731	644	446	481	501	648	727	771	743
744	790	771	690	652	635	677	654	636	831	653	735	752
773	834	977	908	1020	817	930	1026	957	867	871	833	861
1018	954	966	807	944	930	705	861	887	1228	492	739	717
848	766	835	797	993	1029	801	922	782	798	811	718	737
459	396	483	563	613	633	608	709	684	697	692	717	679
734	904	804	989	999	1074	914	1075	1325	1310	1230	1240	1235
666	481	822	794	691	791	791	790	786	786	804	911	835
660	872	1004	1128	849	749	740	673	670	697	857	784	660

WING DAILY FLOW OF BOISE RIVER - JANUARY

17	18	19	20	21	22	23	24	25	26	27	28	29
1430	1370	1330	1280	1240	1220	1240	1210	1140	1040	1070	950	1100
1010	1280	1350	1430	1870	1870	1870	1350	1280	1510	1680	1770	1680
570	570	570	720	830	830	950	770	720	720	620	620	830
550			550				550			550		
2980	2980	2980	2980	2980	2980	2780	2780	2780	2780	2060	1580	1340
3520	2810	2330	2260	2180	2040	2040	2040	1680	1680	1680	1680	1680
1270	1200	1200	1270	1310	1350	1310	1270	1240	1200	1200	1200	1130
1080	1120	1080	1040	1000	970	900	830	830	830	830	760	695
678	715	790	1020	1950	1680	1380	2400	4100	2990	2400	2010	1680
810	1060	960	880	810	960	880	810	810	960	880	810	810
1100	1070	1070	1240	1140	1070	930	1040	1180	1180	1100	1070	1040
2610	3090	3990	5460	5780	5460	4060	3210	2850	2490	2270	2110	1960
810	870	1140	1210	810	700	700	650	1000	675	1000	1140	1210
1660	1460	1420	1340	1230	1230	1200	1300	1420	1550	1550	1380	1300
1080	1220	1150	1080	1150	1220	1220	1220	1220	1220	1370	1300	1150
900	930	930	930	930	930	930	770	730	930	990	1050	1110
719	733	746	745	918	1067	973	946	975	908	889	869	836
498	590	498	590	590	682	780	673	861	867	864	777	877
1450	1480	1517	1437	1360	1207	1145	1201	1380	1603	1659	1506	1413
929	1109	1118	1073	1011	1028	1116	1072	1015	928	868	851	779
1047	1096	1083	1014	1012	934	901	889	976	1211	2381	2491	2430
1700	1477	2586	2347	2032	1360	1520	1338	1760	1820	1565	1578	1380
1028	1028	802	878	908	1078	999	978	1078	1203	1013	1043	943
934	991	987	933	859	865	777	1106	1021	1038	846	901	1041
881	843	761	698	675	670	683	797	743	857	814	996	983
652	656	816	669	719	737	768	775	947	879	815	960	782
902	862	760	738	739	711	697	747	861	746	693	694	807
1223	1051	1069	1075	776	611	701	768	819	895	989	1273	1123
1228	1224	1205	1725	2232	1734	1490	1601	1475	1592	1337	1077	1221
785	854	789	791	730	695	765	766	629	629	876	820	821
604	559	643	605	587	683	589	615	666	677	814	810	820
759	652	648	534	592	650	897	845	913	695	675	826	706
645	727	771	743	620	578	526	480	387	486	560	676	683
831	653	735	752	747	721	735	808	684	613	721	873	617
867	871	833	861	887	1021	1159	2056	2184	1636	1477	1421	1301
1228	492	739	717	506	667	848	924	939	893	812	826	923
798	811	718	737	805	695	613	638	617	582	417	429	418
697	692	717	679	629	449	549	644	654	604	654	709	657
1310	1220	1240	1225	1060	1250	1568	1445	1195	1020	1125	1165	12
786	804	931	835	839	825	493	481	818	813	743	1066	10
697	857	784	660	857	630	699	738	695	842	896	895	7

Chart 2

22	23	24	25	26	27	28	29	30	31	Total
220	1240	1210	1140	1040	1070	950	1100	1140	1280	
870	1870	1350	1280	1510	1680	1770	1680	1680	1590	
830	950	770	720	720	620	620	830	950	1010	
		550			550			550	550	
1980	2780	2780	2780	2780	2060	1580	1340	1220	1220	
1040	2040	2040	1680	1680	1680	1680	1680	1680	1680	
1350	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	623	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
1895	1240	1240	1260	1180	1140	1190	1190	1180	1180	1210	1100
1896	1590	1350	1350	1070	1070	950	950	1070	1070	1070	1010
1897	1010	950	830	830	1010	1070	1010	1350	1350	1210	1140
1898			550				550			1060	
1899	1220	1220	1100	1100	1220	1220	1100	1340	1580	1940	1580
1900	1780	1790	1790	1790	1680	1520	1570	1570	1680	1570	1460
1901	1240	1130	1200	1240	1130	1240	1160	1160	1100	1200	1200
1902	1270	1350	1350	1440	1350	1350	1310	1800	2000	2000	1900
1903	1680	1380	1280	1280	1280	1330	1200	1330	1280	1200	1110
1904											
1905											
1906	810	780	780	810	750	780	780	810	810	810	810
1907								3540	3540	3420	3060
1908			1240	1240	1180	1100	1100	1070	1070	1040	1000
1909	1860	1760	1760	1720	1490	1400	1490	1580	1500	1490	1440
1910											
1911	2450	2340	1680	1600	1740	1640	1370	1300	1230	1325	1410
1912	1100	990	990	1020	1230	1230	1170	1230	1230	1460	1550
1913											
1914	1220	1220	1020	950	1150	824	1020	1220	1020	1080	1220
1915	1330	1480	1480	1330	1180	1050	1050	1050	1050	1050	990
1916	835	854	868	834	863	887	1017	1106	1127	1148	1206
1917	684	684	690	690	880	800	783	793	783	695	695
1918	1225	1287	1040	1127	1229	1457	1429	1437	1380	1370	1355
1919	697	732	802	835	811	814	832	855	858	847	1062
1920	1517	1498	1474	1428	1374	1345	1334	1259	1182	1063	1021
1921	1453	1262	1416	1230	1267	1178	1208	1199	1239	1270	1485
1922	973	788	788	787	872	794	952	1152	1383	1197	1110
1923	678	629	730	781	841	781	554	817	982	861	932
1924	838	983	1066	962	985	981	1008	2050	2445	1966	1336
1925	1023	1213	2195	2895	5775	5859	5169	3846	2972	2088	1758
1926	794	795	772	941	1067	1136	2100	1900	1620	1485	1497
1927	1047	1164	1449	1826	1924	1999	1754	1564	1607	933	911
1928	1236	1297	1434	1464	1326	1591	1612	1577	1291	1447	1549
1929	762	1172	1146	932	1112	1097	867	614	614	705	737
1930	846	823	832	924	760	846	847	1094	1087	975	1055
1931	752	761	761	765	792	855	850	782	466	772	836
1932	646	600	801	529	492	498	659	655	683	810	653
1933	697	770	755	638	584	708	677	692	593	585	655
1934	1168	1227	1459	1327	1332	1338	1475	1560	1610	1733	1506
1935	828	868	945	933	970	1076	1156	1257	1038	744	924
1936	524	657	606	689	787	661	686	598	557	557	708
1937	700	730	674	796	723	654	682	678	678	671	723
1938	1204	1133	1394	1233	1198	1169	1163	1168	1163	1159	1412
1939	699	591	609	860	885	895	1003	785	775	764	793
1940	820	744	953	982	1044	1009	1262	1205	1076	1061	1439

FEBRUARY

9	10	11	12	13	14	15	16	17	18	19	20	
1180	1210	1100	1010	1100	1180	1070	1100	1180	1210	1180	1220	
1070	1070	1010	1070	1070	1010	1070	1070	1010	1010	1070	1070	
1350	1210	1140	1140	1070	1070	1070	1010	1010	950	950	890	
	1060				1230			1750				
1580	1940	1580	1580	1580	1340	1460	1460	1580	1580	1580	1580	
1680	1570	1460	1460	1460	1460	1460	1460	1360	1460	1460	1460	
1100	1200	1200	1270	1270	1240	1350	2430	2120	1870	2180	2180	2
2000	2000	1900	1800	1560	1350	1310	1270	1350	1440	1390	1350	1
1280	1200	1110	945	865	1020	790	945	1110	1020	1020	1020	1
810	810	810	880	920	960	1010	1160	1240	1280	1330	1310	12
3540	3420	3060	2950	2900	2840	2900	2900	2950	2900	2900	2840	29
1070	1040	1000	1000	930	930	965	1070	1040	1040	965	1000	9
1500	1490	1440	1580	1960	1760	1760	2160	3400	2970	2610	2550	25
1230	1325	1410	1325	1370	1230	1170	1140	1060	1230	1230	1230	114
1230	1460	1550	1380	1340	1300	1260	1300	1460	1880	1780	1550	146
1020	1080	1220	1080	1080	1080	1080	950	1020	1220	1220	1300	153
1050	1050	890	930	930	820	730	820	930	1050	1110	1110	105
1127	1148	1206	1182	1106	1066	1057	1074	1109	1111	1159	1158	1164
783	695	695	948	857	857	857	765	800	972	923	917	824
1380	1370	1355	1488	1493	1583	1534	1477	1432	1382	1486	1417	1449
858	847	1062	1351	1356	1203	938	927	995	992	973	943	930
1182	1063	1021	976	1041	999	977	1017	1073	1130	1099	1102	1160
1239	1270	1485	1215	1680	1900	2044	2933	2414	1311	1236	1465	1500
1383	1197	1110	1014	889	731	670	753	1023	1101	1280	1233	1115
982	861	932	671	759	772	873	928	701	934	831	936	1022
2445	1966	1336	1107	1307	1222	1178	1282	1356	1334	1266	1142	1164
2972	2088	1758	1638	1637	1778	1775	1608	1381	1443	1443	1558	1677
1620	1485	1497	1554	1252	1056	1033	1017	1000	1031	1004	1020	1020
1607	933	911	1060	1234	1243	1255	1150	1318	1204	1481	1789	3015
1291	1447	1549	1324	1166	1475	1166	924	1188	1192	1442	1452	1593
614	705	737	508	750	794	823	866	845	996	1049	1078	1044
1087	975	1055	971	969	881	1343	1488	1268	1405	1290	1163	1767
466	772	836	837	688	630	862	890	887	974	925	908	1004
683	810	653	569	549	436	431	543	466	468	489	534	489
593	585	655	788	781	713	770	940	702	768	777	769	76
1610	1733	1506	1465	1324	1322	1316	1384	1463	1465	1314	1192	159
1038	744	924	917	918	928	883	753	781	922	934	1062	111
557												
557	557	708	728	1003	835	1042	608	776	1012	716	896	84
678	678	723	723	670	795	715	870	875	865	786	709	57
1163	1179	1412	1505	1707	1486	1459	1443	1199	1189	1128	1201	147
785	775	793	1045	811	811	813	911	675	799	798	909	8
205	1076	1439	1273	987	910	1329	1058	947	1047	953	840	8

Chart 2A

20	21	22	23	24	25	26	27	28	29	30	31	Total
220	1210	1210	1290	1350	1390	1430	1450	1460				
070	1070	1140	1140	1140	1210	1210	1280	1770	1870			
890	830	890	890	890	830	770	770	830				
	1400				1460			1750				
580	1460	1460	1340	1220	1220	1340	1460	1460				
460	1680	2480	2330	2180	2040	2180	2040	2040				
180	2020	1820	1970	1870	2070	1970	4160	4380				
350	1270	1270	1270	2880	2460	2220	2110	1800				
020	1020	1110	1110	1110	1110	1020	1110	1110				
310	1280	1310	1280	1200	1160	1160	1110	1300				
2840	2900	2840	2900	3060	3180	3420	4060	4130				
000	965	1000	1040	1140	1180	1210	1240	1320	1360			
2550	2580	2060	2060	2160	2160	2110	2060	2110				
1230	1140	1110	1170	1140	1170	1170	1140	1060				
1550	1460	1420	1460	1380	1160	1160	1260	1230	1080			
1300	1530	2190	2300	2140	1980	1880	1700	1790				
1110	1050	1050	1104	995	1070	1076	1036	1112				
1158	1164	1183	1223	1224	1222	1212	1248	1228	1160			
917	825	834	937	869	1096	1022	1156	1035				
1417	1449	1345	1366	1431	1429	1418	1401	1401				
943	930	908	943	939	916	901	975	1087				
1102	1160	1176	1147	1093	1050	971	938	936	927			
1465	1500	2195	2204	2560	2090	1800	1985	2260				
1233	1115	865	715	850	869	951	1019	716				
936	1022	1041	1067	1290	1263	1280	1183	1233				
1142	1164	1145	1314	1018	1072	1120	1290	1121	1165			
1558	1677	1938	1820	2302	2132	2024	1840	1906				
1020	1020	1000	902	1063	1072	1020	1059	1032				
1789	3015	4104	3488	2949	2719	2850	2576	2702				
1452	1593	1426	1407	1407	1410	1380	1364	1264	1273			39,677
1078	1044	931	754	1050	911	837	998	870				24,860
1163	1767	1455	1715	1487	1282	1275	1175	1171				32,194
908	1005	832	856	706	805	788	835	829				22,649
534	496	666	672	614	644	670	814	1052	1239			18,378
769	763	769	900	767	746	744	752	765				20,568
1192	1595	1550	1190	1479	1327	1398	1407	1550				39,474
1062	1119	1101	1043	1039	1036	920	1006	1037				27,168
896	843	1137	1170	1102	1087	947	857	942	947			23,678
709	578	612	858	758	797	801	781	962				20,864
1201	1437	1108	1207	1207	1102	1219	1366	1424				35,783
909	762	883	871	908	998	1094	897	861				23,585
840	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	1140	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	5060	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	2550	2610
1910	3360	5500	6700	6700	7170	6850	6550	6700	6700	6700	6850	7170
1911	1060	1060	1110	1230	1230	1230	1370	1495	1450	1450	1495	1540
1912	1160	1230	1160	1040	1040	1160	1260	1230	1200	1220	1230	1230
1913	1050	1100	1150	1200	1200	1340	1340	1340	1580	1670	2140	2140
1914	1880	1880	1880	1980	2080	2080	2080	2490	2670	2880	3220	3300
1915	1062	992	998	1060	1019	1009	1000	936	962	955	1093	1195
1916	1095	1021	961	910	1039	1050	976	998	1349	1968	2600	3064
1917	1038	913	914	1006	1036	916	997	990	987	944	904	944
1918	1389	1362	1354	556	942	1242	1485	1361	1455	1537	1700	1645
1919	1186	1278	1385	1290	1154	1178	1171	1163	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	3073	2642	2793
1928	1167	1286	1049	1215	1375	1375	1157	1674	1888	2664	3047	5304
1929	771	936	822	950	1060	1055	1219	1245	1350	1272	2102	1527
1930	1109	958	1114	947	1117	1456	1301	1119	1205	1051	1045	1117
1931	678	658	830	917	838	966	863	725	836	964	906	1008
1932	1428	1349	1203	1001	797	936	968	772	612	587	523	425
1933	818	792	761	748	752	687	696	700	731	826	824	836
1934	1277	1437	1573	1798	1855	1797	1802	1685	1638	1644	1619	1770
1935	1131	1204	1176	1098	1140	1115	919	1044	1161	1096	847	1094
1936	1060	1113	1325	1444	1513	1415	1504	1561	1549	1628	1656	1581
1937	790	989	1096	962	1033	960	1019	1107	1192	1049	1089	1490
1938	1642	2168	2514	2687	2426	2421	2152	2171	2235	2239	2239	2307
1939	860	775	908	1023	1004	1017	906	878	986	869	1097	1130
1940	4175	3300	2919	2488	2269	2210	1929	2065	2602	2525	2309	2061

MARCH

	11	12	13	14	15	16	17	18	19	20	21	22
0	1640	1610	1550	1490	1410	1370	1350	1370	1390	1390	1390	1390
0	1280	1280	1350	1350	1350	1350	1280	1350	1350	1590	2430	2970
0	1010	890	770	890	890	890	1090	1070	1010	950	950	1010
30	2770	2600	2430	1920	2090	1920	1750	1750	1750	1750	1920	1750
40	1340	1400	1400	1340	1340	1340	1340	1580	1940	2060	2060	1820
50	4810	5990	5990	5860	5860	6120	6120	6390	6390	6120	6120	6120
20	2640	2430	2180	2180	2180	2180	2570	2570	2570	2720	2880	3930
10	1420	1390	1390	1350	1350	1350	1350	1350	1350	1350	1440	1440
10	1200	1200	1380	1470	1570	1570	1570	1570	1620	1680	1680	1900
60	5320	4890	4480	4090	3900	3540	3720	3900	4890	4680	4380	4000
								1930	1850	1660	1630	1630
70	1430	1390	1350	1280	1160	880	750	810	880	1060	1160	1240
00	4060	3930	3740	3480	3540	3670	3540	6220	10600	10800	11300	9990
00	1070	1210	1360	1560	2780	3950	3810	4940	4100	3270	3020	2840
10	2550	2610	2610	2850	3210	3780	4130	4130	3990	4130	3850	3850
00	6850	7170	7490	8450	8770	9250	9890	10400	11800	15200	15600	16600
50	1495	1540	1540	1640	1895	2170	2555	2670	2980	3370	3910	4200
20	1230	1230	1230	1340	1380	1500	1460	1420	1380	1380	1290	1300
370	2140	2140	1840	1670	1500	1500	1500	1670	1670	1500	1340	1420
880	3220	3300	3520	3750	3830	4340	4730	5120	5530	5780	5120	4780
955	1093	1195	1186	1224	1206	1295	1379	1287	1540	1669	1546	1951
968	2600	3064	3552	3443	3345	3506	4057	4521	4902	5657	6189	5434
944	904	944	812	905	866	887	826	865	848	926	1024	1016
537	1700	1645	1744	1699	1758	2397	2209	2118	2637	2705	3355	3813
948	967	1069	1080	1063	1035	1123	1195	1138	1135	1280	1488	1788
171	1260	1257	1293	1490	1569	1470	1534	1444	1393	1342	1443	1808
116	3755	4010	4085	3895	4426	4168	4550	4450	5725	5346	4581	5073
962	889	917	990	725	485	777	1255	1822	2246	2395	2310	2235
083	962	1182	1242	1158	1014	1033	1057	1148	1122	1064	1290	1237
008	1106	1179	1044	1078	1016	974	969	958	964	964	1028	976
556	2114	2019	1995	1789	1790	1644	1983	1982	1988	2033	2661	3692
688	1803	1666	1828	2490	2728	3083	3576	3135	2939	2805	2769	2811
073	2642	2793	2492	3090	3901	3346	2755	3078	2766	2728	2486	2462
664	3047	5304	4629	3924	3468	3168	3096	3370	3742	4360	5013	6156
272	2102	1527	1838	1633	1582	1634	1720	1856	1860	1920	2042	3083
051	1045	1117	1113	1261	1479	1637	1565	1670	1693	1705	1900	2038
964	906	1008	1288	1209	1220	1385	1416	1527	2571	2553	2565	2865
587	523	425	1519	1339	1478	1533	1501	1836	4216	8578	6327	3770
826	824	836	1117	1090	1002	1074	1221	1313	1257	1273	1335	1141
144	1619	1710	1857	2141	2312	2658	2822	2573	2354	2330	2320	2466
096	847	1094	1118	1364	1774	1797	1687	1588	1616	1413	1528	1418
1628	1656	1581	1767	1654	1434	1293	1444	1398	1468	1722	2304	2481
1049	1089	1490	1505	1632	1906	2266	2159	2510	2013	1649	1577	1462
2239	2239	2307	3039	3496	3291	3526	4726	4586	4644	4468	3838	3471
869	1097	1130	1378	1424	1283	1105	1621	1981	2445	3140	3413	3878
2525	2309	2061	1760	1737	1933	1711	1738	1859	2078	2107	2227	2467

Chart 2B

21	22	23	24	25	26	27	28	29	30	31	TOTAL
1390	1390	1390	1430	1550	1740	2060	3000	5430	2860	2590	
2430	2970	3120	4100	4100	6490	8260	6810	6190	4100	3930	
950	1010	1210	1510	1870	3120	3430	3120	2970	2690	2430	
1920	1750	1580	1400	1400	1400	1400	1400	1580	1750	1750	
2060	1820	1820	1940	3760	2130	2580	2780	2780	2780	2580	
6120	6120	6660	6660	6660	6920	6660	5330	5330	5060	5060	
2880	3930	3480	3060	3060	2640	2570	2430	2240	2180	2180	
1440	1440	1440	1440	1440	1440	1480	1440	1440	1440	1440	
1680	1900	2010	2400	3340	3520	4100	4750	5970	7900	8070	
4380	4000	3900	3540	3460	3210	3290	3050	4680	4680	4090	
1630	1630	1630	1640	1640	1940	2090	1860	1860	1820	1650	
1160	1240	1350	1490	2250	2840	3180	3180	3360	3480	4130	
11300	9990	8630	7910	7450	6740	6300	6070	5920	5770	5700	
3020	2840	2780	2900	3200	3020	2960	2720	2560	3020	2620	
3850	3850	4060	4130	4550	4840	3780	6280	6700	6450	6620	
15600	16600	16100	12160	10800	10200	9250	9096	8770	8450	8290	
3910	4200	4800	4800	4350	3840	3665	3500	3630	4500	4050	
1290	1300	1420	1600	1730	2030	2480	2970	3360	3230	3130	
1340	1420	1340	1340	1340	1200	1200	1480	1970	4040	4130	
5120	4780	4730	4670	4540	3880	3690	3260	3090	3040	3000	
1546	1951	2183	2500	2319	2190	1985	2080	2787	2612	2075	
6189	5434	4801	4156	3751	3522	3471	4128	4416	4389	4472	
1024	1016	1020	924	1048	1006	933	906	1208	1563	1698	
3355	3813	4013	4377	4720	5264	6243	6415	6414	6477	6335	
1488	1788	1819	2381	2738	3288	3278	3678	4099	4812	5241	
1443	1808	2109	2168	2108	1859	1852	1755	1579	1495	1559	
4581	5073	4960	4927	5093	4881	4413	4092	4221	4306	4633	
2310	2235	2681	4669	4453	3473	3156	2936	2782	2429	2972	
1290	1237	1219	1332	1419	1804	1610	1884	2721	3359	4330	
1028	976	948	995	866	1058	900	997	919	914	764	
2661	3692	4305	5045	4980	4830	4920	4460	5690	6054	6250	
2769	2811	3040	3470	3393	2575	2525	2318	2074	2030	1865	
2486	2462	2777	2725	3174	3384	3152	3273	3732	4012	4810	
5013	6156	8715	8649	9920	8122	8359	8443	7252	6658	5978	136,423
2042	3083	2758	1681	1745	1575	1578	1820	1984	1976	2318	50,952
1900	2038	2073	2029	2094	2242	2972	2312	2505	2948	3073	51,808
2565	2865	2833	2400	1950	1856	1504	1700	1623	1351	1718	45,623
6327	3770	2934	2845	2955	2965	2460	2254	3060	2918	2724	67,913
1335	1141	1098	1081	1003	997	1099	1106	1640	1644	1665	32,237
2320	2466	2662	2685	2458	2445	2285	2760	5492	6110	5265	75,848
1528	1418	1397	1234	1386	1433	1364	1349	1349	1709	1926	41,575
2304	2481	2260	2057	1858	1681	1624	1668	1624	1491	1393	50,030
1577	1462	1428	1285	1321	1402	1473	1493	1600	1723	1755	44,935
3838	3471	3509	3305	3402	2310	3581	3347	3439	3194	2840	95,513
3413	3878	4466	4809	5842	6017	5680	5766	5652	5231	5563	82,147
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
1898	2470	2350	2460	2560	2330	2210	2120	2250	2520	2830	3020	324
1896	3760	2970	2830	2830	2970	2970	4100	4470	3760	4890	3930	393
1897	2560	2190	2080	2190	2080	2430	2430	2310	2970	3590	4890	649
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
0	3020	3240	3510	3680	3850	4020	4200	4370	4510	4680	4890	4470
0	3930	3930	6810	11000	7150	6190	5910	4890	4470	3930	3760	4890
0	4890	6490	7880	8660	14300	19000	26200	27000	29500			
0	2260	2600	3800	5170	5510	6020	6360	6360	5510	5510	5680	5580
0	7600	8320	8140	7450	7300	10170	8500	8690	7000	6700	6700	7960
0	5860	6390	7180	6120	5600	6120	5860	6120	6120	6120	6120	6120
0	3460	4380	5050	5720	5500	5050	5280	5500	6170	6840	6840	7180
0	2590	2660	2660	2590	2730	3740	4160	5500	5950	6400	5500	5050
0	6810	5710	4980	5220	5340	5710	6240	6520	6660	6810	7740	11500
0	11500	13700	15500	18000	19700	17800	16400	15400	17200	18000	15400	12200
0	2570	2470	2570	2490	2490	2660	2820	2710	2980	3380	3380	3320
20	4830	4620	4760	4830	5470	6070	6300	6370	6440	6520	7430	8070
00	11600	13680	14600	15600	17000	16000	14500	13600	12300	11300	11400	11400
80	5580	6780	8670	7950	7770	8760	8040	7950	8850	9600	10100	10600
00	6550	6450	7150	8000	8450	9000	9150	9150	9050	8750	8450	8000
00	11500	12000	11800	11200	10500	10000	10000	10000	10200	10800	10500	10400
50	4750	4280	4120	3890	3780	3630	3750	4300	4430	4410	4250	4280
70	7870	7360	6560	5780	5600	5280	5240	5530	5350	5240	4970	4970
00	5280	5980	6980	7710	8310	7440	6900	7490	7910	7520	8100	8670
20	8500	8100	8510	8750	9650	11300	10100	9250	8870	8800	8900	9490
77	2799	2997	3574	3719	3501	3663	4073	4056	4108	4130	4300	4090
018	11761	11644	10551	10410	10620	10490	9840	9550	8500	7540	7470	7660
735	3881	4131	6451	4496	3948	3509	3093	2976	2850	3091	3701	5092
985	7036	7100	6877	6838	6577	6063	5537	5144	3862	4145	4422	4966
320	4467	4513	4483	4467	4267	4022	4083	4226	5155	5903	6490	6946
230	3602	3889	4069	4230	4214	4248	3943	3558	3452	3535	3694	3728
887	6514	5327	7017	8340	7536	6812	6002	6002	6172	6725	7155	7138
026	5028	3849	3758	3457	3506	3305	2840	2585	2630	3265	3935	5425
645	3874	5255	4705	4777	4348	4905	6311	6805	6347	6092	5045	4455
714	2762	2722	2699	3378	3415	2745	2250	2191	2015	2144	2124	2476
100	11355	13050	14200	12950	11335	11440	11755	12275	10665	8930	7786	7050
305	3319	3344	3483	4083	4321	4867	5381	5802	5848	6001	5863	5023
298	4742	4570	3980	4118	4603	4980	4956	5073	4648	4734	4200	4305
952	3737	4216	3607	3977	3797	4053	4198	4445	4659	4221	4380	4232
688	1726	1701	1558	1562	2046	2219	2552	3065	3471	4107	4235	3966
662	5685	5631	5525	5481	5290	4418	3885	3774	3343	3400	4141	4781
192	3072	3206	3540	3326	3143	2972	3083	3119	3354	2833	3070	2981
011	4576	5694	7652	8697	9076	8305	8060	6727	6413	6664	6338	5443
1864	1512	1407	1486	1487	1809	2471	3328	3477	3250	3663	4220	4186
548	4155	4344	4924	5274	5156	4687	4476	3941	4048	3958	4144	4628
412	4198	4443	4871	5695	6446	8138	7767	6191	5524	6063	7305	8311
573	4529	6748	8620	10535	11125	13522	12154	15960	18600	18270	17980	17140
960	1960	1988	2287	4490	5662	7167	5220	4422	3785	3810	4022	4497
828	5365	5802	6088	6436	6674	7394	7848	8938	12800	14070	12825	12541
937	4823	4697	4700	4359	4117	3946	4252	4451	4701	5133	5708	6149
810	4623	4422	4762	5769	6669	6698	6023	5786	5661	6661	6781	6276

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	4890	4470	4890	5380	5910	6810	6490	6940	6220	6490		
	3760	4890	5130	5130	5910	7150	5640	5380	5640	5130		
	5680	5580	5680	5680	5850	6540	6540	6540	6360	6190		
	6700	7960	10910	13130	11280	11650	9060	7960	7300	6700		
	6120	6120	6120	6120	6120	5860	5860	5860	5860	6120		
	6840	7180	7740	8640	7850	8080	7290	7070	7520	8410		
	5500	5050	4600	4160	3840	3940	3940	3740	3550	3740		
	7740	11500	11000	11500	12100	13300	12700	10500	8410	8070		
	15400	12200	10100	9120	9120	11100	13600	11800	11100	10600		
	3380	3320	3540	3540	3950	4410	4570	4070	3760	3590		
	7430	8070	8550	7830	7430	6520	6300	6220	6520	6600		
	11400	11400	12500	12500	12500	12100	11900	11500	11300	11300		
	10100	10600	9900	8940	7940	7590	7140	6690	6510	6690		
	8450	8000	8200	8350	8000	9400	10500	10200	9000	7460		
	10500	10400	10500	10500	11000	11300	11500	11300	11000	10200		
	4250	4280	4620	5330	6500	8200	8500	8300	7640	7300		
	4970	4970	4800	4900	5780	5760	5740	6000	6440	8450		
	8100	8670	7650	6790	6430	7140	7870	8290	7430	6730		
	8900	9490	9590	9360	9300	7970	8070	7840	7630	6620		
	4300	4090	3728	3387	3212	3296	3292	3357	3493	3743		
	7470	7660	7490	9450	11390	13460	14960	14020	12050	10430		
	3701	5092	5900	7547	8193	9086	9314	9990	7615	6699		
	4422	4966	5569	6797	7647	7167	6552	6124	5937	5984		
	6490	6946	7273	8021	9470	10433	10516	10355	10215	9956		
	3694	3728	3664	3246	2931	2893	3152	3518	4078	4608		
	7155	7138	7674	8104	7287	6587	5830	6050	6402	7250		
	3935	5425	7240	8120	8815	8870	9270	9976	10412	9160		
	5045	4455	3962	3538	2938	3222	3601	4610	5280	5760		
	2124	2476	2907	3094	2821	2761	2548	2741	2873	3123		
	7786	7050	6760	5857	5666	5365	5140	5220	5640	6000		
	5863	5023	4796	4214	3991	4071	4313	4525	4919	5103		
	4200	4305	4219	4865	6872	10092	13778	14531	14795	14870		
	4380	4232	3978	4641	5988	6929	10105	11480	10460	9717		158,406
	4235	3966	3860	4207	4109	4013	4434	4832	5308	5506		89,547
	4141	4781	5185	6194	5909	5666	4546	4786	4674	3349		137,089
	3070	2981	2784	3070	2662	2521	2502	2601	2746	3367		88,586
	6338	5443	4868	4325	4181	4438	5337	5997	6088	6507		168,003
	4220	4186	4820	5649	6315	7220	8267	9084	9592	9602		119,671
	4144	4628	4938	5446	4520	4964	4277	3896	3826	3677		124,824
	7305	8311	7747	6145	5407	5092	5495	6314	6208	6221		149,729
	17980	17140	18345	19790	17200	15155	13250	11980	10965	10250		288,797
	4022	4497	3958	3501	3206	3345	4635	5338	4678	3803		103,679
	12825	12541	13191	13278	13122	14180	14188	13469	13329	15202		252,550
	5708	6149	6521	6366	6153	5456	5092	5044	5579	7046		164,459
	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	5904
1920	4861	5043	4909	4768	4652	4792	5152	5739	6612	7537	8093	8757
1921	7261	7755	8759	9742	10600	11249	11120	12239	13496	13910	12702	13006
1922	8640	8540	9646	9720	10743	12962	12916	12990	12080	9860	8642	8478
1923	4940	4692	4062	4192	4641	6060	7289	7961	8434	9077	9186	8109
1924	3457	3764	4485	4706	4688	4063	3378	3124	3235	3411	4042	4398
1925	6882	7686	9083	10064	11062	11068	12270	12925	11784	10735	10790	10810
1926	5503	5871	5214	4970	6116	7094	5564	4564	4196	3898	3368	3284
1927	15725	14530	11952	10368	9499	8677	8294	8783	7954	7425	6951	8019
1928	9135	10829	10057	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	7100
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	7410
11200	11300	12000	12200	12200	12700	12700	12400	11300	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	4960
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	8990	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	5790
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	6544	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	15925	13375
9186	8109	7270	6800	6536	6497	6502	7160	8271	7573	7923	8121	7990
4042	4398	4866	5179	5011	5100	5142	5186	4675	4490	4074	4020	3888
10790	10810	10635	10765	10945	11500	11900	12500	13500	14350	14350	13870	12690
3368	3284	3119	2976	3106	3160	3417	3436	3625	3665	4404	4192	3970
6951	8019	8591	10096	13172	16588	19289	20061	16261	14384	11536	9768	8900
19273	18790	16751	14770	12847	11587	11522	12200	13145	13409	12700	14513	14998
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	10950
3498	3460	3372	3373	3814	4758	5068	5745	4621	4861	4866	5561	5879
3763	3629	3467	3378	3209	3135	3173	3354	3348	3178	3048	2961	2783
6833	6491	6011	5706	5358	5307	6201	6411	5944	5963	6039	6926	7983
10046	11808	12951	13995	14946	14675	12418	10608	9822	9807	8582	7622	6831
6350	5891	5731	5755	6329	6530	6276	6467	6706	6535	6045	5598	5827
8239	8808	9209	10208	11343	11734	12691	12971	12173	10396	9033	8327	8402
5809	5719	5320	5334	5218	5272	5551	5486	5468	5275	4987	4246	4115
7224	8852	9866	9587	9164	8237	7997	7395	7081	7261	7275	7288	7106

Chart 2D

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	6810	6190	5640	5380	5130	6490	7880	6810	5640	4890	4670	
	4100	4890	7150	11000	12500	14900	14900	19000	19700	23700	31200	
	5000	4910	4910	4910	4910	5000	5000	5080	6190	5680	5250	
	7300	8320	9060	9800	10900	9800	9060	10300	10500	11300	10900	
	7980	7720	7450	7450	7180	7180	6920	6920	6660	6660	6390	
	9530	8640	8000	7520	7740	8410	8640	9080	9080	8640	8190	
	4830	4720	4600	4480	4720	5500	6400	7520	8190	7960	7740	
	5710	5220	4980	4980	5220	5340	6240	6660	6810	7740	9150	
	16400	18000	18700	18000	16100	14800	12200	12200	12800	11500	11800	
	4670	4100	3990	3670	3360	3430	4700	4380	5360	5030	5120	
	5700	5540	5320	5540	5470	7040	6740	6520	6440	6070	5920	
	12200	11700	10900	10700	9900	9600	9220	9120	9120	10700	11300	
	4400	4180	3960	3890	4320	4620	4400	4250	4100	4250	4180	
	9600	10200	10500	10200	10200	10400	12000	13100	11700	10200	10200	
	7330	7170	7650	9090	8930	7970	8130	7650	7330	7810	8290	
	8610	9030	9300	9640	9500	9100	8690	8260	7700	8750	9620	
	14500	12600	11800	10800	10500	13000	13500	12700	12500	12900	13100	
	8240	8610	9440	11100	12200	12400	12800	13300	12700	12200	11800	
	9600	9600	9920	9760	9600	8640	8160	7680	7490	7460	7750	
	5468	5074	5796	5022	4787	4461	4241	4198	4667	4521	4537	
	8717	8517	7777	7247	6828	6999	5930	5910	6140	6270	6560	
	8308	9284	9928	11175	10899	12114	11333	11495	11952	11586	11785	
	4969	4717	4632	4615	4825	5036	5266	5255	5317	4972	4676	
	8583	10072	11107	11444	11323	10110	9820	9536	10170	11580	11316	
	8581	8430	8460	8352	8041	7268	6578	6181	6337	6674	6809	
	12974	12930	12541	12865	13949	15565	16723	15918	15515	15115	14000	
	15936	13925	13375	13343	16833	18174	14975	11890	10432	10248	10795	
	7923	8121	7990	8895	10240	11950	10158	7778	6509	6268	5921	
	4074	4020	3888	3711	3338	3312	3040	2876	2505	2306	2130	
	14350	13870	12690	11780	11090	10725	10000	10855	11600	11513	10516	
	4404	4192	3976	3964	3735	3313	3033	2768	3051	2762	3114	
	11536	9768	8909	7754	7128	7836	8923	9582	8753	8044	7795	
	12700	14513	14995	14810	15145	15957	15944	14976	13632	12294	10471	426,097
	7067	7767	8604	9196	9374	8661	6911	5882	5099	4639	4515	179,709
	4902	5365	5164	4767	4518	4524	4740	5434	6571	7559	7289	147,623
	3266	3062	2718	2828	3154	3577	3752	3550	3494	3274	3405	125,769
	12114	12710	10955	8933	7079	6384	5838	5841	5783	5880	5991	282,088
	4866	5561	5879	6017	6201	6925	8055	8577	7771	8254	9359	170,805
	3048	2961	2783	2987	2913	2832	2553	2605	2394	2372	2334	114,608
	6039	6926	7983	9299	9501	9016	8784	8402	8204	8005	8375	214,264
	8582	7622	6831	6225	6750	7498	8365	9154	9524	9492	9120	312953
	6045	5598	5827	6462	6098	6658	6286	6269	6315	5787	5017	190,596
	9033	8327	8402	9447	11025	11983	14127	16428	15847	14345	12313	355,657
	4987	4246	4115	3860	3410	3487	3285	3479	3664	4124	4620	170,918
	7275	7288	7106	7107	7859	7933	7868	7286	6819	6630	6476	217,240

YEAR-	1	2	3	4	5	6	7	8	9	10	11	1
1895-	4470	4100	3930	3930	4100	3930	4100	3930	3760	3590	3430	34
1896-	27000	27000	32100	29500	27000	24500	24500	25300	23700	25300	22900	2290
1897												
1898-	4910	4820	4820	4480	4310	4480	4140	3970	4140	4650	4910	517
1899	10200	10500	12800	13900	13900	11300	10500	10500	9800	10200	11600	1390
1900-	6120	6120	6660	6920	7180	7850	7450	6920	6920	6120	5330	494
1901-	7740	7740	7740	7070	6400	5720	5500	5050	4830	4600	4380	4270
1902	7070	6170	5500	5280	5160	5050	5160	5840	6730	7520	7290	6840
1903-	13300	16200	16200	14400	13300	12700	13300	13800	14400	14400	13800	12700
1904	11800	11800	10400	9440	9440	10100	9770	9770	9600	9440	9440	8800
1905	6070	6260	5890	5380	5180	4940	4860	5360	5360	5010	5010	4920
1906	5700	5470	5620	6070	6140	6440	5700	5700	5470	5540	5920	7430
1907	11700	12200	12200	11900	11100	10900	11300	10700	10300	10000	9700	9320
1908	4030	3820	3960	4260	4030	3890	3960	4400	4780	5500	6260	7770
1909	11600	13900	15400	15900	16000	16000	14600	13000	11800	10800	9400	8230
1910	9090	9250	8290	6850	6790	6850	6250	5950	5200	5050	5650	5950
1911	10500	11500	12400	13400	13400	12800	13300	13800	13500	12400	12500	14100
1912	13200	15300	15700	13600	14000	14400	14800	15300	15600	15100	13900	13300
1913	11400	11800	10900	10500	9920	9680	9280	9360	9280	8720	8160	7600
1914	8020	8150	8750	8400	7550	6430	5800	5620	4820	4510	4200	4160
1915	5042	5114	4524	4067	3842	3890	3822	3999	4124	3945	3630	3428
1916	6620	6470	6960	8179	9468	10068	10178	10582	11262	11622	10902	10012
1917	10945	10482	10360	9902	9270	8911	9153	9429	11048	12940	12928	10816
1918	4749	5176	5636	6558	7437	8777	9016	10176	10760	11557	12061	11855
1919	10255	7472	6089	5464	5206	5145	5188	5118	4899	4586	4265	3990
1920	6487	5870	5308	4985	4893	5269	6030	6487	7077	7214	6868	6349
1921	14670	14220	14340	14695	15550	15973	17037	17258	17540	16818	16617	17625
1922	11577	12915	12786	13520	14444	15650	16463	14815	13022	12475	10466	10142
1923	6042	5198	4530	4716	4888	5297	6345	7213	8065	8744	9037	10502
1924	1935	1858	2013	2026	1969	1634	1948	1302	1670	1463	1260	1293
1925	8353	8046	7281	6584	5910	5445	4939	4668	4456	4555	4763	4857
1926	2718	2626	2718	2576	2514	2497	2566	2340	2403	2135	2055	1939
1927	6947	6653	6693	7545	8288	9452	12595	15620	17584	15675	14750	16150
1928	8985	9113	7355	6921	6982	7153	6716	6596	6177	5303	5541	5158
1929	4659	4708	4073	4456	4007	3865	4717	5046	5665	5839	5492	5378
1930	6967	4563	4552	4368	4000	3929	4232	5477	6346	6983	6399	6649
1931	3335	3636	3543	3254	2910	2647	2580	2501	2502	2161	2134	2028
1932	5747	5425	5100	5332	6021	8061	7489	6278	5952	6154	6787	7159
1933	11448	12048	12091	12508	11191	9955	10361	9261	9038	11474	11156	11117
1934	2235	2292	2075	1917	1903	1614	1694	1788	1897	1628	1676	1636
1935	8859	8727	8204	7712	7596	7983	8495	8603	8779	8648	7399	7437
1936	9965	9828	8690	7783	7050	6627	7284	8334	7421	6245	5807	5408
1937	4446	3857	3969	4140	4323	3737	3532	3159	3329	3796	3510	3291
1938	12041	12283	13053	13791	13719	13699	13906	13723	13000	11393	9451	8936
1939	4184	3820	3378	3153	2996	2798	2702	2364	2324	2327	2259	2226
1940	6577	6623	6228	5771	5412	4936	4592	4410	4362	3753	3865	3782

JUNE

10	11	12	13	14	15	16	17	18	19	20	21
3590	3430	3430	3760	3590	3760	3590	3430	3120	2970	3120	3270
25300	22900	22900	29500	35500	32100	32100	32100	31200	30400	27000	27000
4650	4910	5170	5510	5690	6020	5100	4530	3900	3900	3740	3740
10200	11600	13900	10200	11300	10500	6020	6020	5850	5850	5680	5680
6120	5330	4940	4940	4940	4810	11300	13900	16100	17200	18700	15000
4600	4380	4270	3930	3710	3710	5730	4810	4230	4230	4230	4460
7520	7290	6840	6510	5950	5280	3930	4380	4600	4830	5280	5500
14400	13800	12700	11500	10500	10000	4380	4160	3940	3940	3740	3550
9440	9440	8800	8180	8480	8800	10500	10000	10000	7740	7110	6520
5010	5010	4920	5090	4930	4460	10100	10800	10400	10100	8960	8480
5540	5920	7430	7990	6900	6740	4000	3990	3650	3110	2930	3120
10000	9700	9320	9520	8850	8130	6600	6600	6000	5620	5400	5320
6500	6260	7770	8670	8310	4550	7410	6340	5740	5830	6170	7050
10800	9400	8230	8230	8230	11800	5180	8490	7770	6870	5830	5660
5050	5650	5950	5500	5350	5350	13000	12800	12800	12000	11600	9600
12400	12500	14100	15100	14700	15100	5200	5050	4900	4190	4050	4050
15100	13900	13300	14300	13800	12000	15000	14400	13500	14000	13900	13100
8720	8160	7600	7360	7120	6580	10500	9410	8770	8610	8950	9600
4510	4200	4160	4280	4280	4140	6060	5980	5600	5530	5160	4640
3945	3630	3428	3149	2848	2699	4720	5020	5320	5620	5320	5020
11622	10902	10012	9570	10158	11059	2666	2802	2798	2820	2743	2732
12940	12928	10816	9286	7885	8621	12138	13142	14280	15450	13190	10262
11557	12061	11855	12282	12601	11324	10266	11395	13840	14535	14566	13453
4586	4265	3990	3755	3557	3436	9414	7893	7507	7440	7170	6675
7214	6868	6349	6153	6119	6316	3383	3392	3334	3276	3154	3999
16818	16617	17625	16612	15901	13645	6708	6845	6440	5909	5372	5213
12475	10466	10142	10280	11675	16005	11422	8661	7218	7047	7591	7649
8744	9037	10502	9524	7543	5722	12185	11735	11621	11721	11290	11142
1463	1260	1293	1160	1265	1703	7972	5150	4877	5162	5152	5247
4555	4763	4857	4997	5108	5234	1194	1061	1009	944	998	989
2135	2055	1939	1807	1670	1581	5415	5470	5210	6540	6391	7203
15675	14750	16150	16294	15869	15574	1482	1379	1343	1274	1426	1364
5303	5541	5158	4911	4695	4404	14561	13880	12861	12882	13360	12600
5839	5492	5378	5359	5535	5797	4352	4304	3931	3857	3787	3733
6983	6399	6619	6288	5115	4867	6342	7305	6062	4896	4273	3946
2161	2134	2028	1619	1750	1578	4237	4229	4593	4238	3786	3579
6154	6787	7159	8423	8638	9594	1506	1531	1507	1428	1323	1261
11474	11156	11117	11423	12035	12093	11250	10637	9648	8333	8291	8168
1628	1676	1636	1635	1578	1526	12214	11586	9977	8216	7127	6552
8648	7399	7437	7305	6893	6609	1430	1350	1263	1172	1064	1047
6245	5807	5408	5523	5579	5326	5901	5174	4585	4679	4618	4706
3796	3510	3291	2979	2708	2697	5307	4841	4555	4223	4012	3679
11393	9451	8936	9236	9148	8857	2762	2797	2776	2610	2537	2601
2327	2259	2226	2131	2218	2211	8741	8587	8585	7465	6657	6267
3753	3865	3782	4243	4395	4385	2269	2305	2220	2001	1968	1876
						4048	3864	3613	3570	3328	3012

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	3270	3590	4100	4100	4100	4100	3930	3930	3930	3760		
	27000	22900	19000	15500	14300	14300	27000	11500	9520	9520		
	3740	3900	4530	3740	3600	3600	3740	3600	3460	3460		
	5680	5680	5680	5510	5170	4650	4650	3970	3800	3460		
	15000	11300	10800	12000	12000	11300	10500	11300	12200	11300		
	4460	4340	3910	3710	3520	3330	2980	2810	2480	2330		
	5500	5280	4830	4380	3710	3060	2880	2720	2880	3060		
	3550	3550	3550	3740	3550	3190	3030	2730	2660	2520		
	6520	6240	6240	5460	5220	5220	5100	4980	4980	4530		
	8480	8180	7580	6500	6010	5540	5540	5540	5770	5770		
	3120	2990	2930	2880	2880	2770	2670	2560	2390	2240		
	5320	5180	5040	4760	4760	4900	5040	5920	5040	4480		
	7050	7770	7220	6510	6510	7770	7950	8670	9500	9220		
	5660	4860	4400	4250	4180	5020	5830	5420	5100	5340		
	9600	9200	8230	8040	7860	7500	7050	7680	7680	7680		
	4050	3840	3490	3360	3360	3360	3360	3360	3230	3100		
	13100	12500	12300	11200	9500	8750	8150	9160	8400	7970		
	9600	9300	8990	9170	8710	8560	8260	7150	6400	6100		
	4640	4500	4640	4640	4360	3940	3660	4080	3660	3400		
	5020	4720	4140	3870	3730	3640	3540	3450	3360	3270		
	2732	2609	2598	2578	2635	2581	2339	2045	1955	1920		
	10242	8651	7470	7140	7652	8584	9314	9784	9420	7796		
	13453	12962	11684	10581	10248	9269	9101	9485	9517	8933		
	6675	6964	6615	6750	5485	4699	4072	3663	3394	3524		
	3999	2937	2871	2719	2621	2430	2319	2248	2150	2078		
	5213	5177	5181	5128	4799	4317	3859	3554	3342	3465		
	7649	8270	8770	9205	9133	8310	6674	6628	7439	6826		
	11142	10158	8827	7840	6940	6928	6536	6080	5557	5137		
	5247	6730	6028	5878	5423	4917	5132	5037	5765	6268		
	989	984	976	971	925	979	913	848	844	872		
	7203	8280	8590	8012	7286	6638	6298	5927	5747	5902		
	1364	1350	1304	1192	1123	1049	1099	1040	1031	935		
	12600	12002	11701	11590	11419	11187	13198	9724	8546	7506		
	3733	3868	3825	3952	4065	4037	4027	3394	3358	3328		152,828
	3946	4095	4135	4073	3962	3936	4005	3839	3784	3699		142,948
	3579	3310	3101	2872	2987	2604	2442	2394	2359	2241		128,691
	1261	1205	1185	1133	1108	1016	890	722	687	742		55,431
	8168	7948	9118	9447	8649	8662	7123	7040	6545	6073		229,112
	6552	6375	5944	6374	5249	4887	4988	4345	4269	3797		269,099
	1047	1056	1023	959	870	839	930	1017	1037	969		43,120
	4706	4385	4288	4283	3743	3480	3281	3130	3051	3078		181,631
	3679	3637	3379	3178	3153	2967	2866	2489	2357	2111		159,642
	2601	2822	2965	2580	2294	2115	1911	1769	1838	1648		89,498
	6267	6787	6962	6537	6114	6286	6412	6067	5592	5774		279,069
	1876	1821	1683	1640	1637	1643	1546	1417	1398	1429		67,944
	3012	2827	2612	2354	2123	2041	1855	1717	1899	1432		113,629

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	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	75
1897	3460	4080	3600	3260	3260	3070	2880	2810	2420	2290	2360	2350	22
1898	3290	3120	2600	2600	2430	2600	2430	2430	2600	2600	2430	2600	22
1899	11300	10200	10200	9800	8690	7960	7780	8320	7780	7600	7300	7000	670
1900	2180	2040	1980	1910	1680	1620	1570	1460	1460	1520	1520	1520	146
1901	2880	2880	2880	2800	2430	2300	2300	2300	2180	2180	2070	1970	197
1902	2280	2400	2340	2660	2220	2110	2000	1900	1900	1950	1950	2000	206
1903	4310	3900	3520	3080	2990	3020	2990	2830	2610	2400	2400	2260	240
1904	5770	5540	5540	5540	4680	4680	4680	4680	4680	4090	3720	3370	321
1905	2150	2150	2060	1970	1870	1790	1710	1630	1550	1470	1430	1350	127
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	615	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

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11	12	13	14	15	16	17	18	19	20	21	22
3120	3120	3120	3120	3120	3120	2830	1870	1870	1770	1680	1680
8260	8260	7510	7150	6490	5910	4890	4470	4100	3120	2560	1870
2360	2350	2290	2290	2290	2160	2160	2290	2160	1900	1840	1640
2430	2600	2260	2260	2090	1920	1750	1660	1580	1490	1400	1320
7300	7000	6700	6120	5580	5060	4820	4580	4480	4160	4160	3760
1520	1520	1460	1410	1270	1270	1230	1190	1160	1100	1080	1080
2070	1970	1970	1870	1780	1780	1690	1640	1600	1600	1540	1510
1950	2000	2060	1950	1900	1850	1800	1700	1700	1610	1520	1350
2400	2260	2400	2330	2260	2400	2470	2400	2010	1950	2010	2130
3720	3370	3210	3050	2900	2670	2500	2500	2440	2380	2380	2380
1430	1350	1270	1210	1170	1140	1070	1030	1010	990	970	950
3240	3180	2950	2780	2510	2350	2200	2060	1950	1780	1660	1590
6510	6260	6260	5420	5100	4700	4480	4250	4250	4320	4100	3950
3960	3560	3430	3690	3960	3070	2470	2420	2320	2170	2120	2030
3720	3650	3410	3170	3050	2930	2810	2590	2540	2370	2200	2150
1980	1880	1830	1780	1730	1680	1380	1550	1550	1420	1420	1420
3950	3820	3680	3540	3540	3480	3280	3150	2960	2710	2590	2420
2970	2970	2840	2840	2720	2680	2480	2480	2480	2250	2250	2030
2420	2200	2100	1990	1890	1800	1710	1710	1620	1710	1620	1620
2340	2160	1980	2010	1840	1780	1710	1620	1540	1550	1810	1630
1666	1582	1539	1570	1370	1162	1228	1197	1111	1102	1041	1007
6069	5816	5584	5211	4830	4471	4661	4001	3584	3258	3110	2894
5125	4666	4380	3940	3492	3222	3052	2971	2744	2579	2380	2210
1934	2086	1850	1735	1698	1819	1718	1480	1719	1651	1566	1585
1272	1218	1122	1094	1119	1087	1047	940	914	863	888	835
2047	1998	1990	1889	1752	1589	1537	1431	1424	1360	1333	1270
3313	3645	2956	2907	2538	2670	2392	2293	2277	2086	1840	2042
2512	2506	2385	2241	2007	2334	1919	1936	1861	1838	1891	1776
3246	3702	3204	3249	3091	2602	2790	2609	2362	2191	2148	2125
554	590	587	580	561	540	523	522	531	544	544	544
2536	2674	2361	2203	2092	2054	1884	1917	1803	1793	1619	1735
841	774	739	672	681	646	689	638	639	600	542	497
4366	4377	4170	3847	3643	3553	3168	3209	2923	2887	2756	2365
2098	2084	1974	1920	1875	1856	1845	1733	1627	1567	1475	1455
1793	1686	1602	1480	1415	1354	1355	1252	1221	1092	1078	1060
1403	1429	1356	1335	1261	1219	1199	1139	1084	987	945	989
646	645	618	603	595	598	576	555	552	516	496	455
2467	2595	2242	2710	2887	2349	1977	2035	1902	2203	1820	1761
1803	1648	1548	1427	1415	1299	1253	1270	1209	1113	1059	1017
684	639	558	528	513	554	560	552	563	524	512	463
1630	1669	1715	1652	1548	1480	1436	1378	1245	1214	1149	1144
1522	1550	1544	1481	1344	1263	1224	1216	1173	1144	1092	1113
1109	1039	964	897	849	863	855	923	858	861	801	781
3606	3538	3017	3060	2911	2940	2934	2684	2491	2264	2223	2109
1072	1056	1033	973	946	909	869	854	831	793	772	770
1149	1096	1062	1020	968	944	876	871	845	836	826	812

Chart 2F

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	1680	1680	1510	1430	1350	1350	1350	1280	1350	1350	1280	
	2560	1870	2560	3120	3120	2310	2080	1870	2310	2310	2190	
	1840	1640	1980	1840	1770	1640	1640	1580	1510	1380	1440	
	1400	1320	1230	1150	1060	978	892	892	892	978	892	
	4160	3760	3560	2980	2980	2780	2580	2580	2390	2490	2390	
	1080	1080	1050	1050	1120	1120	1050	1050	990	978	960	
	1540	1510	1560	1600	1560	1510	1350	1200	1130	1080	1060	
	1520	1350	1190	1190	1190	1126	1120	1120	1120	1120	1040	
	2010	2130	2010	1900	1900	1780	1780	1570	1470	1380	1330	
	2380	2380	2440	2260	2140	1920	1810	1810	1810	1700	1600	
	970	950	930	880	860	840	820	820	810	780	750	
	1660	1590	1660	1740	1410	1370	1310	1300	1260	1240	1200	
	4100	3950	3810	3600	3460	3270	3200	3340	3270	3020	2840	
	2120	2030	2030	1850	1810	1690	1580	1540	1470	1440	1330	
	2200	2150	2050	1970	1870	1820	1970	2080	1820	1680	1500	
	1420	1420	1340	1300	1260	1230	1160	1160	1130	1100	1070	
	2590	2420	2300	2190	2080	2020	1970	1860	1760	1720	1670	
	2250	2030	2030	1830	1830	1640	1640	1550	1460	1330	1930	
	1620	1620	1620	2310	3940	3800	3400	3140	2650	2420	2200	
	1810	1630	1470	1470	1395	1320	1250	1250	1270	1210	1210	
	1041	1007	960	929	892	871	870	845	831	813	849	
	3110	2894	2704	2591	2465	2424	2274	2162	2050	1944	1869	
	2380	2210	2055	2047	1881	1789	1743	1716	1640	1574	1514	
	1566	1385	1272	1111	1283	1265	1192	1118	1054	1241	1327	
	888	835	770	762	747	746	729	747	741	743	753	
	1333	1270	1243	1180	1119	1109	1116	1140	1042	1046	962	
	1840	2042	1872	1694	1812	1677	1600	1436	1345	1389	1354	
	1891	1776	1739	1662	1599	1575	1450	1421	1442	1370	1347	
	2148	2125	1893	1950	2277	1986	1790	1772	1538	1484	1462	
	544	544	544	544	544	520	500	470	450	430	425	
	1619	1735	2095	1675	1532	1380	1410	1433	1233	1350	1258	
	542	497	494	493	485	465	459	442	429	429	429	
	2756	2365	2375	2078	2232	1979	2061	1834	1808	1930	1649	
	1475	1455	1421	1390	1300	1244	1243	1236	1222	1223	1144	
	1078	1060	981	987	949	923	875	845	846	811	804	49,144
	965	989	950	928	888	841	855	823	822	774	722	39,617
	496	455	450	435	423	418	405	406	389	384	406	17,335
	1820	1761	1717	1618	1507	1404	1412	1324	1328	1243	1152	77,149
	1059	1017	1018	996	985	945	913	888	886	881	879	49,805
	512	463	496	478	461	440	421	413	427	427	441	18,626
	1149	1144	1103	1073	1021	993	1015	988	960	943	946	48,667
	1092	1113	1103	1098	1100	1076	1068	1062	966	880	837	41,279
	801	781	779	732	729	710	705	683	640	622	597	30,410
	2223	2109	1931	1925	1773	1805	1736	1646	1725	1697	1484	100,383
	772	770	771	795	778	690	669	648	670	659	630	30,440
	826	812	772	786	752	792	729	731	757	790	760	32,234

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	1280	1210	1210	1210	1210	1140	1140	1140	1070	1070	1070	1070
1896	2190	1870	2190	1770	1680	1680	1590	1590	1590	1510	1510	1350
1897	1380	1380	1250	1320	1320	1320	1320	1250	1250	1180	1180	1180
1898	992	1060	892	892	892	892	892	892	892	892	892	806
1899	2390	2060	2060	2060	2060	2060	2200	2390	2390	2060	1940	1940
1900	930	920	905	905	895	905	895	895	895	830	822	855
1901	1060	1060	1060	1050	1010	955	860	758	758	758	800	830
1902	1040	970	900	900	830	900	900	830	527	575	635	830
1903	1240	1200	1110	1070	1280	865	905	828	828	828	828	828
1904	1560	1500	1500	1500	1450	1600	1550	1660	1660	1160	1160	1120
1905	820	760	760	760	760	760	700	675	650	650	650	650
1906	1160	1110	1160	1160	960	920	920	880	845	810	780	750
1907	2670	2500	2450	2340	2140	2040	1940	1900	1800	1760	1720	1640
1908	1330	1400	1160	1330	1160	1190	1220	1160	1190	960	990	1050
1909	1590	1500	1410	1320	1310	1270	1230	1190	1190	1190	1110	1070
1910	1070	1040	1020	990	990	990	965	965	940	940	915	890
1911	1580	1540	1540	1500	1460	1410	1340	1370	1340	1300	1260	1260
1912	2360	2250	2030	2030	1830	1640	1550	1460	1460	1380	1300	1300
1913	1990	1890	1800	1710	1710	1800	1710	1620	1620	1540	1460	1380
1914	1210	1210	1140	1280	1210	1140	1140	1070	1000	1000	1000	1000
1915	939	897	840	791	762	748	747	729	707	693	679	679
1916	1807	1734	1667	1620	1568	1512	1463	1423	1391	1368	1322	1294
1917	1464	1400	1363	1371	1302	1273	1238	1203	1150	1096	1066	1035
1918	994	1055	1032	1121	1073	846	851	901	893	958	916	830
1919	740	678	642	607	607	627	643	649	666	628	613	628
1920	924	882	831	767	713	702	782	740	765	693	693	645
1921	1388	1332	1387	1280	1111	1226	1195	1289	1231	1285	1267	1328
1922	1349	1373	1328	1420	1572	1481	1330	1250	1070	1104	1129	1074
1923	1490	1290	1417	1278	1177	1097	1273	1407	1117	985	1221	1182
1924	427	439	404	408	404	404	407	385	410	379	384	392
1925	1118	1146	1078	1167	1157	1061	1006	1093	1058	934	951	982
1926	481	457	434	443	419	429	435	439	477	505	511	509
1927	1622	1601	1515	1461	1422	1425	1364	1314	1238	1179	1180	1166
1928	1106	1109	1099	1085	1061	1021	1042	1045	1057	982	885	796
1929	796	818	837	808	778	695	711	628	616	582	632	638
1930	686	654	648	669	687	681	717	682	707	714	819	925
1931	439	478	459	458	426	405	385	375	365	355	355	355
1932	1146	1124	1120	1061	1020	974	1006	968	943	891	918	905
1933	870	864	861	849	845	800	720	690	686	727	698	670
1934	442	448	456	435	434	420	409	359	335	325	315	352
1935	909	871	848	822	828	807	754	745	699	666	655	627
1936	812	826	853	844	800	758	712	682	645	644	669	758
1937	564	528	532	481	486	471	472	449	482	486	468	460
1938	1539	1425	1352	1359	1346	1361	1321	1259	1208	1165	1112	1122
1939	643	635	613	582	580	516	515	507	481	511	479	493
1940	736	703	647	651	644	622	632	572	536	510	476	509

AUGUST

	11	12	13	14	15	16	17	18	19	20	21	22	
	1070	1070	1070	1070	1070	1010	1010	950	950	950	950	890	8
	1510	1350	1280	1210	1210	1210	1210	1070	1070	1010	1010	950	10
	1180	1180	1120	1120	1120	1060	990	990	925	925	860	795	8
	892	806	806	806	721	721	550	550	721	721	721	721	5
	1940	1940	1760	1700	1700	1700	1700	1580	1520	1580	1700	1820	18
	822	855	870	880	845	830	845	830	822	830	822	822	8
	800	830	818	830	800	830	818	800	800	818	830	830	8
	636	830	865	879	886	865	830	830	830	795	795	774	7
	828	828	790	790	790	768	828	752	752	715	715	715	7
	1160	1120	1120	1120	1100	1070	1100	1070	1100	1070	1160	1160	11
	650	650	650	625	625	625	625	625	625	600	600	580	5
	780	750	810	840	810	750	750	725	675	700	700	750	8
	1720	1640	1600	1520	1480	1440	1400	1360	1320	1320	1280	1210	12
	990	1050	930	960	1220	1050	1080	990	990	960	990	990	10
	1110	1070	1030	1000	960	930	950	920	920	950	850	820	7
	915	890	890	890	890	890	890	890	870	860	830	850	8
	1260	1260	1200	1200	1160	1130	1130	1100	1100	1100	1070	1070	10
	1300	1300	1300	1250	1230	1230	1160	1160	1160	1160	1160	1100	10
	1460	1380	1380	1310	1310	1310	1230	1160	1160	1160	1160	1020	10
	1000	1000	937	937	937	873	873	873	873	873	873	812	8
	679	679	651	640	636	640	618	577	582	588	582	578	5
	1322	1294	1264	1239	1207	1198	1251	1277	1390	1287	1234	1187	11
	1066	1035	1008	997	971	969	1010	1093	1076	1007	967	925	9
	916	850	814	895	875	964	1064	1021	981	893	820	700	8
	613	628	670	667	624	621	585	593	563	556	546	537	5
	693	645	621	578	553	571	579	595	558	526	480	504	5
	1267	1328	1109	1069	1074	996	975	998	928	802	906	762	8
	1129	1074	1003	980	989	926	961	943	987	935	910	883	6
	1221	1182	1091	1055	854	1103	1030	898	829	1027	1612	1212	10
	384	392	386	366	376	376	370	370	370	413	461	431	4
	951	982	1177	1208	1278	1096	1073	974	1004	1023	908	901	1
	511	509	516	509	496	479	465	460	528	642	674	644	8
	1180	1166	1197	1234	1336	1420	1381	1326	1278	1217	1165	1068	10
	885	796	793	773	784	782	768	740	744	751	727	739	1
	632	638	601	564	522	501	479	446	488	503	506	532	1
	819	925	922	929	893	904	802	771	745	733	730	700	1
	355	355	360	360	360	360	360	360	360	360	360	360	8
	918	905	898	835	846	827	778	769	719	683	621	626	10
	698	670	606	576	566	577	602	583	576	539	517	490	1
	315	352	367	385	393	380	380	372	356	357	356	343	3
	655	627	594	568	568	561	553	571	590	579	581	571	5
	669	758	811	855	910	878	768	706	630	570	593	593	5
	468	460	437	385	365	350	346	359	383	375	358	350	3
	1112	1122	1086	1056	1065	1086	1091	1065	1041	1011	1010	1046	10
	479	493	499	502	493	466	416	380	394	364	353	365	3
	476	509	468	470	498	461	454	433	416	415	443	457	4

	22	23	24	25	26	27	28	29	30	31	TOTAL
50	890	890	890	890	890	890	950	890	890	890	
10	950	1010	1010	950	1010	950	1010	1010	1070	1210	
50	795	860	860	860	990	990	990	990	990	860	
21	721	550	550	550	550	550	550	550	636	550	
00	1820	1820	1700	1580	1460	1400	1220	1220	1100	1100	
22	822	855	880	905	870	855	855	822	830	830	
30	830	800	800	740	770	740	788	770	800	770	
95	774	760	760	750	726	728	728	695	695	708	
15	715	715	715	715	752	790	865	905	828	790	
60	1160	1160	840	840	750	682	682	682	930	930	
600	580	580	580	580	580	580	580	560	560	560	
700	750	845	920	880	780	780	725	780	780	750	
280	1210	1280	1320	1400	1400	1400	1400	1320	1240	1210	
990	990	1020	990	900	900	870	870	870	870	870	
850	820	790	790	820	760	730	705	780	910	850	
830	850	830	830	830	830	850	830	850	830	850	
1070	1070	1070	1070	1040	1040	1020	1020	1020	1020	993	
1160	1100	1040	1040	1040	1040	1040	1040	990	990	990	
1160	1020	1020	1020	1020	1020	1020	1020	1020	956	956	
873	812	812	806	800	794	788	782	776	776	776	
582	578	579	598	620	595	591	569	534	536	538	
1234	1187	1138	1081	1055	1021	1002	1000	983	1052	1016	
967	925	905	881	849	831	874	862	827	809	790	
820	700	809	925	848	850	807	817	879	930	784	
546	537	543	522	494	492	482	484	490	502	503	
480	504	553	624	620	592	604	632	657	670	639	
906	762	879	619	748	831	780	747	551	687	683	
910	883	862	827	804	825	846	836	854	867	887	
1612	1212	1070	1135	684	1051	892	884	815	779	821	
461	431	415	401	387	374	365	361	386	381	381	
908	901	817	802	874	754	750	664	821	735	755	
674	644	570	514	503	498	494	483	459	470	488	
1165	1068	1055	980	965	908	918	903	855	844	856	
727	739	694	674	671	614	634	623	639	648	645	
506	532	517	511	496	486	515	524	538	556	587	18,411
730	700	597	567	546	517	498	519	536	566	564	21,628
360	360	349	349	347	345	340	353	353	347	340	11,578
621	626	656	700	718	687	675	675	719	784	814	26,106
517	490	523	540	553	545	585	625	636	605	617	20,141
356	343	342	350	350	350	357	350	350	360	383	11,311
581	571	543	508	486	483	478	494	515	520	527	19,511
593	593	595	604	605	603	605	592	572	547	576	21,626
358	350	333	336	337	344	375	425	408	426	427	12,998
1010	1046	1044	1048	1036	1039	1005	984	952	947	898	35,079
353	365	378	370	378	381	385	387	399	431	424	14,320
443	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	1120	1120
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	905	822	822
1901	770	770	770	830	830	800	800	800	800	770	770	770	770
1902	728	728	695	695	665	665	653	635	635	665	695	665	665
1903	828	752	715	715	715	715	715	715	715	715	715	828	828
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	675
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	830	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	830
1915	678	868	753	675	660	653	646	619	624	627	632	609	675
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	858
1919	502	493	503	511	511	500	504	524	542	546	523	495	478
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	623	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	385	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	835	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	401
1935	498	482	456	482	513	543	559	524	519	515	505	496	481
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	511
1940	408	423	439	469	796	651	674	625	642	648	603	576	562

SEPTEMBER

11	12	13	14	15	16	17	18	19	20	21	22	23
1070	1070	1070	1070	1140	1140	1070	1010	950	1010	950	950	950
950	950	890	950	950	950	890	890	830	890	890	830	890
1120	1120	1250	1250	1120	1120	1120	990	990	990	1120	1120	1120
721	721	721	721	721	721	721	636	550	550	550	550	721
1220	1100	1100	1100	1220	1220	1160	1100	1100	1100	1100	1050	1050
905	822	822	870	930	810	822	830	870	855	845	830	845
770	770	740	770	770	800	770	800	770	770	830	860	920
695	665	635	665	695	665	635	665	695	695	695	695	695
775	828	945	945	945	905	828	790	715	715	715	752	730
840	840	840	840	840	840	840	750	795	750	840	750	840
560	560	560	560	560	560	560	580	580	580	580	580	580
675	675	780	810	750	725	700	700	675	675	650	625	625
1070	1100	1070	1040	1040	1000	1000	965	1000	965	930	965	930
900	930	900	870	840	930	990	1260	1120	1020	990	960	930
970	970	1000	910	870	840	840	840	840	840	780	790	850
780	780	780	810	965	1100	1380	1230	1230	1100	1040	990	940
993	993	969	969	947	947	969	969	969	993	993	993	993
1040	1160	1160	1160	1100	1100	1100	1160	1160	1100	1040	1040	1040
1020	956	892	892	830	830	830	892	892	886	880	873	1000
718	718	836	836	1030	1170	1100	1100	1100	1030	1100	1030	963
632	609	679	632	656	665	648	630	631	607	607	597	594
1006	988	957	925	917	905	880	855	843	843	856	831	821
694	701	705	765	772	736	715	699	679	667	647	655	720
1037	1044	856	912	900	1008	927	948	936	1527	817	791	822
523	495	470	464	491	523	581	736	797	739	712	506	624
565	588	528	570	620	725	708	673	749	638	630	630	648
693	632	749	867	947	767	717	751	839	883	1037	1108	1031
797	793	767	756	735	715	715	715	745	785	756	756	756
679	628	753	645	701	697	652	598	640	638	645	638	652
395	390	386	382	398	388	388	387	402	434	455	568	458
805	796	916	769	832	856	833	770	731	768	877	874	747
456	449	451	460	461	460	526	521	483	503	598	499	499
830	971	1010	1045	1046	1015	1046	976	979	884	886	866	869
676	691	761	799	816	815	775	726	690	692	690	691	689
566	557	545	506	481	477	477	477	477	484	493	513	518
549	622	679	707	730	662	595	578	549	543	526	512	521
365	365	379	380	384	380	376	371	379	437	463	442	430
668	723	760	760	767	685	711	657	625	625	619	648	647
589	574	553	547	517	555	570	588	589	585	564	551	546
377	399	405	398	436	444	467	377	378	376	374	378	384
505	496	485	484	476	485	495	503	497	493	500	500	490
675	658	638	626	628	622	648	644	647	645	654	662	713
420	391	402	402	410	405	420	428	417	425	431	443	443
835	807	796	759	791	765	754	767	723	726	706	711	707
482	476	511	647	627	597	626	620	582	550	584	579	550
603	576	562	784	696	694	659	647	680	820	851	725	749

Chart 2H

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	950	950	950	950	1010	1010	950	950	950	950		
	890	830	890	1010	1070	1040	1010	1010	950	890		
	1120	1120	1120	1120	1120	860	860	860	860	860		
	550	550	721	636	721	636	636	636	721	721		
	1100	1050	1050	1050	1050	986	986	986	986	986		
	845	830	845	830	855	870	888	880	870	880		
	830	860	920	990	990	976	976	890	890	860		
	695	695	695	695	695	695	695	695	695	728		
	715	752	730	715	715	715	715	828	828	828		
	840	750	840	840	840	840	930	930	930	930		
	580	580	580	580	600	600	625	625	650	650		
	650	625	625	625	625	625	625	625	625	625		
	930	965	930	930	900	900	810	810	870	870		
	990	960	930	930	930	960	990	930	930	900		
	780	790	850	850	880	850	850	920	1070	1230		
	1040	990	940	940	965	965	965	965	965	965		
	993	993	993	993	993	993	993	993	993	1020		
	1040	1040	1040	1040	1040	1040	1040	1040	1040	990		
	880	873	1000	867	867	918	855	849	842	836		
	1100	1030	963	963	963	898	898	898	898	898		
	607	597	594	596	592	600	839	772	708	689		
	836	831	821	814	814	814	820	808	809	819		
	647	655	720	951	829	773	739	719	690	744		
	817	791	822	834	894	911	889	841	825	835		
	712	506	624	616	619	614	609	599	592	586		
	630	630	648	733	901	851	841	824	815	824		
	1037	1108	1031	901	933	942	834	855	885	856		
	756	756	756	783	762	762	849	752	769	790		
	645	639	652	670	581	691	875	925	843	735		
	455	568	458	454	463	531	521	517	508	495		
	877	874	747	823	771	833	744	811	766	662		
	598	499	499	499	509	502	521	521	510	520		
	286	866	869	895	877	962	946	1011	1004	1296		
	690	681	689	684	684	684	684	684	684	684		
	493	513	518	535	570	562	652	602	629	630		16,244
	526	512	521	563	617	640	643	627	626	627		17,360
	463	442	430	502	574	535	503	488	470	460		12,023
	619	648	647	645	651	640	634	660	644	630		20,873
	564	551	546	597	577	611	667	698	694	666		17,778
	374	378	384	445	462	469	484	493	500	490		12,483
	500	500	490	490	507	507	507	495	510	510		15,026
	654	662	713	720	721	649	610	615	606	617		20,468
	431	443	443	444	450	452	452	447	445	449		12,979
	706	711	707	715	684	686	687	687	710	733		23,262
	584	579	550	550	530	519	509	481	444	411		15,404
	851	725	749	713	648	656	579	616	669	791		19,493

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1895	950	950	950	950	890	890	890	890	950	950	950	950	950
1896	890	950	830	830	890	830	950	890	830	830	890	830	830
1897	860	925	925	925	925	925	990	925	925	990	1060	1120	1120
1898	550	636	721	721	721	721	721	721	721	892	978	892	892
1899	986	986	986	986	986	986	986	1050	1050	1050	1050	1100	1100
1900	880	930	930	930	1050	1120	990	960	930	930	930	930	920
1901	860	860	941	990	1020	1080	990	1020	990	890	890	890	890
1902	728	728	708	708	695	695	695	695	695	695	695	695	695
1903	865	905	905	945	1020	1200	1200	1110	1110	1020	1020	1110	1070
1904	930	885	750	682	750	840	930	930	975	1020	1020	1020	975
1905	650	650	625	625	625	600	600	650	650	675	675	675	675
1906	625	600	625	675	725	725	700	650	650	625	625	650	700
1907	900	900	900	900	900	900	900	900	930	965	900	870	965
1908	870	870	870	900	900	900	870	870	840	840	840	840	870
1909	1070	1030	950	1030	1120	1120	1120	1120	1080	1030	1000	1000	970
1910	965	965	990	1340	1300	1100	1070	1040	1020	1020	990	990	990
1911	990	1095	1140	1095	1060	1060	1095	1035	1010	1060	1265	1170	1170
1912	990	990	990	990	1070	1230	1160	1100	1130	1100	1070	1070	1070
1913	838	830	824	824	824	824	1080	1370	1300	1150	1080	1080	1150
1914	898	961	1170	1100	1030	1030	1030	1030	1030	1030	1100	1030	1030
1915	635	663	665	710	697	686	677	672	664	672	682	666	695
1916	909	1009	980	954	949	925	988	1077	1003	984	1022	1038	987
1917	732	730	721	721	719	705	695	701	698	698	692	687	690
1918	867	891	909	893	817	576	1013	1346	1312	1178	1095	1049	1024
1919	611	838	973	1080	972	875	822	817	815	841	774	763	719
1920	828	823	803	786	746	730	766	839	886	903	1048	1180	1288
1921	865	872	890	879	858	937	961	861	878	975	1002	908	835
1922	789	783	791	764	764	764	771	785	785	764	757	778	835
1923	841	762	732	738	1013	1078	1043	1393	1199	1087	1001	945	912
1924	483	476	521	657	576	550	540	533	541	538	610	621	596
1925	970	833	752	731	866	899	1252	1035	998	927	808	1069	1220
1926	553	544	538	549	529	530	525	528	528	538	528	556	540
1927	1309	1312	1227	1273	1299	1085	824	1444	1150	1014	1100	1048	941
1928	642	667	663	636	845	925	824	771	814	808	811	811	860
1929	580	607	590	562	563	510	620	581	630	598	600	598	697
1930	861	1023	1048	991	790	869	985	900	1655	1374	1028	1058	826
1931	486	460	448	441	426	442	466	485	417	451	465	456	444
1932	627	630	630	630	630	630	630	746	749	752	741	734	715
1933	628	619	598	587	572	637	626	610	592	910	953	787	729
1934	493	475	457	455	451	464	471	507	536	557	556	515	451
1935	518	518	491	518	493	498	498	515	496	517	516	532	535
1936	620	626	602	578	580	608	592	617	605	627	573	556	746
1937	466	480	470	497	471	483	434	540	485	524	516	509	494
1938	808	931	997	1136	1012	891	935	960	946	899	952	865	979
1939	417	470	543	614	658	678	712	757	769	697	658	661	663
1940	773	929	1193	1252	1102	1023	883	878	827	830	738	791	764

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	711
516	532	535	541	534	474	521	577	581	554	536	481	630
573	556	746	641	585	654	631	638	638	656	618	728	640
516	509	494	491	491	520	885	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

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	890	890	890	950	950	950	890	890	890	890	920	
	830	890	890	890	830	830	950	950	950	830	1010	
	990	990	990	1120	1250	1250	1120	1060	1060	1060	1060	
	892	892	978	978	892	892	978	978	978	978	978	
	2390	2060	1940	1820	1580	1460	1460	1460	1460	1460	1340	
	1360	1190	1410	1230	1120	1120	1120	1070	1080	1050	1050	
	860	878	860	860	860	860	860	955	990	920	920	
	695	728	760	830	900	900	865	830	795	760	760	
	865	865	865	865	842	790	790	828	842	842	828	
	1020	948	930	930	930	930	975	930	930	930	930	
	700	730	730	760	790	760	730	730	730	730	730	
	700	700	700	700	700	700	700	725	725	725	725	
	930	930	930	930	900	900	900	965	965	965	1040	
	1400	990	1120	1080	1080	1080	1080	1080	1080	1080	1080	
	1070	1030	990	990	990	990	950	990	1030	990	1110	
	1020	990	990	990	965	965	965	940	940	940	940	
	1035	1035	1035	1035	1060	1060	1060	1035	1010	990	1010	
	1040	990	1070	1100	1040	1040	1100	1300	1265	1195	1100	
	1080	1080	1020	1020	1020	1020	1020	1020	950	950	950	
	1410	1410	1330	1230	1230	1190	1190	1190	1100	1100	1170	
	683	680	668	681	690	707	708	695	693	700	653	
	926	922	902	898	934	936	936	939	922	921	920	
	791	760	778	774	789	800	805	785	789	643	878	
	1088	1153	1015	984	985	969	930	1017	1098	1169	1151	
	742	727	725	718	750	717	694	653	661	678	705	
	1038	1035	990	980	956	925	928	933	935	800	795	
	921	908	912	821	904	869	958	1057	923	993	922	
	796	800	1155	1017	984	1063	992	906	1058	719	793	
	973	973	1402	1287	1064	1033	1005	968	977	908	925	
	563	557	561	540	550	538	544	683	1314	1303	1141	
	861	919	835	838	827	900	865	798	833	977	894	
	592	570	571	523	587	570	565	664	691	610	612	
	708	884	1036	1104	1009	1098	1381	1543	1445	1157	1386	
	674	943	800	779	713	760	794	780	870	900	1012	24,926
	645	644	631	631	631	631	635	637	689	648	650	19,678
	688	734	917	771	803	842	815	729	821	746	781	27,256
	518	508	573	639	639	637	654	602	556	596	591	15,712
	879	627	705	1101	761	682	752	760	723	881	585	19,571
	609	595	610	616	598	591	580	592	603	650	1186	20,638
	575	619	717	760	1020	997	877	757	720	697	695	18,529
	536	481	636	574	585	611	621	548	575	571	565	16,808
	618	728	640	633	716	696	702	757	672	656	696	19,886
	680	634	624	612	602	521	570	598	576	563	593	18,113
	1067	996	956	910	932	852	877	951	908	906	972	30,313
	656	627	629	699	639	632	631	583	503	852	533	19,586
	757	695	685	795	884	1025	973	944	941	889	993	26,584

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

- Interpolated

NOVEMBER

9	10	11	12	13	14	15	16	17	18	19	20	21
950	950	950	950	950	950	1010	1010	1010	950	950	950	950
978	978	1060	721	721	721	990	721	892	1250	1060	1150	1060
1400	1340	978	1760	1820	1700	1580	1700	1640	1150	1580	1580	1460
1050	1020	1520	960	990	990	990	990	990	1050	1050	960	930
890	890	890	848	890	848	890	890	860	860	860	860	860
1000	1000	1040	1040	1000	970	900	830	900	970	970	900	865
	828										1110	
700	675	675	675	675	675	675	675	675	675	675	675	675
845	880	880	810	1060	2350	2620	5250	2110	1470	1200	1160	1240
900	900	870	840	870	900	900	870	900	930	840	870	965
990	990	990	1020	1020	960	930	755	870	990	990	1050	1120
1150	1230	1390	1230	1150	1190	1070	990	1070	1150	1570	3850	4190
1160	1160	1230	1730	1600	1230	1160	1100	1100	1160	1160	1130	1340
1230	1170	1060	930	970	1170	1300	1495	1300	1495	1230	1265	1265
1230	1265	1300	1230									
1530	1450	1530	1790	1530	1370	1300	1300	1300	1220	1220	1220	1220
1030	961	961	961	1030	1030	961	780	830	898	731	839	839
712	701	684	725	721	731	769	919	771	781	797	818	869
883	905	854	733	622	824	1037	1057	1052	1052	1129	969	869
792	780	786	774	822	822	792	804	807	1103	915	671	675
980	967	964	932	925	941	950	1005	1030	1037	994	960	977
1054	964	931	906	888	821	783	806	889	969	985	1007	1002
921	895	824	787	806	868	914	898	1063	1444	1837	2402	2470
920	898	803	874	795	871	877	933	777	723	786	910	1619
1000	914	962	944	823	876	598	776	807	1013	1070	1066	826
866	884	895	827	851	838	856	828	821	835	809	782	759
619	775	912	875	775	659	709	765	652	629	568	812	1458
826	829	1072	920	949	864	761	1838	931	897	852	775	755
709	595	695	907	1016	891	771	838	969	851	852	939	1970
1649	4067	4329	3186	2620	2243	1723	2211	2746	2905	2331	2228	2999
904	875	900	776	762	811	909	814	783	852	611	622	831
616	561	561	752	613	529	535	601	567	674	686	661	665*
716	801	860	797	709	961	693	681	769	777	784	653	683
591	646	582	489	444	474	558	616	614	536	506	465	398
959	1148	949	778	853	897	822	794	908	937	1050	942	890
748	777	780	751	737	733	757	745	706	764	918	842	705
1062	872	847	781	717	775	680	673	693	778	954	988	897
665	696	607	618	725	604	602	654	657	750	755	683	659
575	620	546	664	637	605	688	587	736	742	642	639	611
639	664	659	655	661	729	818	777	754	851	613	1044	1681
1264	1276	1188	890	851	1318	1111	1031	1349	1343	1099	1097	1107
663	689	562	647	624	714	665	612	658	525	580	554	561
1206	1124	1056	952	930	633	780	963	924	1012	1083	930	850

ER

18	19	20	21	22	23	24	25	26	27	28	29	30
950	950	950	950	890	770	770	770	890	950	770	950	101
1250				1120			1250				990	
1150	1060	1150	1060	1060	892	892	892	892	892	892	892	97
1580	1580	1580	1460	1460	1460	1340	1340	1340	1340	1460	1820	206
1050	1050	960	930	960	990	1050	1050	1080	1120	990	930	990
860	860	860	860	920	990	1200	1050	990	1060	990	1020	1120
970	970	900	865	830	865	900	935	970	1040	900	900	935
		1110			2130		1680					
675	675	675	675	700	700	700	700	700	700	700	675	675
1470	1200	1160	1240	1240	1060	960	960	920	920	920	845	810
930	840	870	965	900	930	965	1040	1070	1040	930	930	965
990	990	1050	1120	1190	1080	1080	1020	930	870	755	650	960
1150	1570	3850	4190	5400	15200	13000	9450	7370	5800	4700	4050	3850
1160	1160	1130	1340	1600	1830	1730	1640	1380	1100	1230	1300	1300
1495	1230	1265	1265	1230	1035	970	930	1230	1085	930	810	890
1220	1220	1220	1220	1080	1080	1080	1150	1230	1300	1450	1300	1220
898	731	839	839	839	961	1030	961	961	898	961	1030	961
781	797	818	869	859	867	886	830	790	788	683	767	957
1052	1129	969	869	858	863	857	827	870	890	895	867	849
1103	915	671	675	742	884	856	860	962	780	785	887	675
1037	994	960	977	956	909	802	740	652	698	677	750	775
969	985	1007	1002	990	928	882	841	818	711	548	528	564
1444	1837	2402	2470	2246	1900	1627	1478	1384	1650	1568	1511	1385
723	786	910	1619	5726	3063	2350	1690	1564	1601	1236	1514	1494
1013	1070	1066	826	756	812	411	818	620	659	717	681	745
835	809	782	759	893	821	890	1177	1130	968	801	762	992
629	568	812	1458	1391	1485	1229	1082	913	841	684	719	711
897	852	775	755	757	823	805	971	939	1028	922	1016	915
851	852	939	1970	1570	1370	1686	2075	2453	1941	1691	1692	2697
2905	2331	2228	2999	3208	2745	2307	2235	2821	3364	3341	3448	3900
852	611	622	831	889	881	838	874	831	880	831	796	572
674	686	661	665*	665*	665*	665*	665*	672	810	700	698	688
777	784	653	683	742	697	790	876	828	729	860	742	708
536	506	465	398	357	310	268	344	643	725	675	538	586
937	1050	942	890	870	837	687	789	699	826	808	834	888
764	918	842	705	794	645	764	754	751	760	624	912	806
778	954	988	897	874	829	839	875	795	812	817	761	776
750	755	683	659	642	658	712	710	638	663	666	552	387
742	642	639	611	600	604	555	594	590	473	414	414	420
851	613	1044	1681	1649	1216	1007	1038	1067	972	961	882	816
1343	1099	1097	1107	847	751	825	881	877	908	903	927	1113
525	580	554	561	615	546	670	649	655	703	630	705	658
1012	1083	930	850	958	704	664	852	855	863	806	1000	1326

Chart 2J

	23	24	25	26	27	28	29	30	31	TOTAL
2	770	770	770	890	950	770	950	1010		
20			1250				990			
30	892	892	892	892	892	892	892	978		
60	1460	1340	1340	1340	1340	1460	1820	2060		
60	990	1050	1050	1080	1120	990	930	990		
20	990	1200	1050	990	1060	990	1020	1120		
30	865	900	935	970	1040	900	900	935		
	2130		1680							
00	700	700	700	700	700	700	675	675		
40	1060	960	960	920	920	920	845	810		
00	930	965	1040	1070	1040	930	930	965		
90	1080	1080	1020	930	870	755	650	960		
00	15200	13000	9450	7370	5800	4700	4050	3850		
00	1830	1730	1640	1380	1100	1230	1300	1300		
30	1035	970	930	1230	1085	930	810	890		
80	1080	1080	1150	1230	1300	1450	1300	1220		
39	961	1030	961	961	898	961	1030	961		
59	867	886	830	790	788	683	767	957		
58	863	857	827	870	890	895	867	849		
42	884	856	860	962	780	785	887	675		
56	909	802	740	652	698	677	750	775		
90	928	882	841	818	711	548	528	564		
46	1900	1627	1478	1384	1650	1568	1511	1385		
26	3063	2350	1690	1564	1601	1236	1514	1494		
56	812	411	818	620	659	717	681	745		
93	821	890	1177	1130	968	801	762	992		
91	1485	1229	1082	913	841	684	719	711		
57	823	805	971	939	1028	922	1016	915		
70	1370	1686	2075	2453	1941	1691	1692	2697		
08	2745	2307	2235	2821	3364	3341	3448	3900		
89	881	838	874	831	880	831	796	572		25,202
65*	665*	665*	665*	672	810	700	698	688		19,248
42	697	790	876	828	729	860	742	708		22,709
357	310	268	344	643	725	675	538	586		15,612
370	837	687	789	699	826	808	834	888		28,239
794	645	764	754	751	760	624	912	806		23,842
374	829	839	875	795	812	817	761	776		24,722
642	638	712	710	638	663	666	552	387		19,124
300	604	555	594	590	473	414	414	420		18,300
49	1216	1007	1038	1067	972	961	882	816		24,914
47	751	825	881	877	908	903	927	1113		33,697
15	546	670	649	655	703	630	705	658		19,499
58	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	1060	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	1460	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	859	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	836	852	836	786	733	628	673	752	829
1920	1236	1260	1249	1211	1168	1011	951	817	672	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	672	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	976	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	679	647	692	404	734	596	1998	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
	1010	1010	1010	770	830	670	620	620	620	620	620	670
	2600	2600	2600	2430	2430	2770	2770	2770	2770	2770	2770	2600
	1580	1460	1460	1460	1340	1340	1580	1580	1820	1820	1580	1580
	990	930	930	990	1050	1050	1120	1050	1050	1050	1460	1360
	1130	1060	920	830	1060	955	990	1020	1020	920	890	1080
	1290	1190	1000	830	695	695	695	747	1040	1080	1100	1120
		865				850			945			945
	450	480	520	600	675	940	940	940	880	820	790	560
	1000	1000	1040	1000	900							1180
	900	920	1020	810	650							
	2100	2160	2200	2050	1850	1800	1660	1660	1700	1480	1390	1570
	1380	1460	1160	990	990	1020	1160	1100	1100	1070	1100	1160
	1085	1060	1085	970	990	1085	1085	950	870	910	930	860
	1020	1080	1080	1220	1080	950	824	1020	1080	886	824	824
	783	961	731	638	559	559	559				600	
	790	784	757	884	765	574	641	854	704	739	946	1102
	949	976	1089	976	760	658	763	870	1162	885	992	989
	917	909	1179	1640	1553	1192	1191	1529	1633	1737	1627	2038
	807	723	774	838	947	895	787	717	617	664	712	745
	673	752	829	966	601	539	588	638	757	903	986	1126
	1222	1225	1170	1019	905	745	802	894	1097	1134	1117	1042
	1360	1552	1372	1431	1350	1136	978	521	1184	1124	1295	1175
	670	655	674	666	527	873	706	655	1010	1118	974	954
	486	524	702	812	1089	1009	968	848	911	972	963	799
	672	754	835	837	833	727	775	639	458	434	420	422
	888	999	1017	915	914	915	1016	940	1031	906	916	904
	1088	1471	1312	1044	591	755	1171	1291	1296	989	1051	915
	1804	1534	1660	1634	1619	1253	1635	1385	1164	971	1087	950
	968	974	849	913	839	843	791	591	647	586	599	615
	2221	1670	1818	2649	1613	1827	2297	1692	1250	1271	1838	1047
	752	920	893	888	725	671	819	701	715	730	570	493
	416	532	479	398	377	434	620	620	620	621	762	745
	290	300	304	306	373	416	650	461	1046	832	851	496
	795	821	902	994	959	872	836	402	701	886	976	972
	602	586	688	910	1112	800	788	799	804	862	989	1017
	657	833	808	739	611	388	339	350	363	359	550	578
	530	534	659	553	701	851	822	785	720	742	756	710
	2998	10641	7374	4097	2945	2697	2301	1926	1760	1389	1226	1161
	1043	903	468	589	791	1146	1053	790	984	1010	932	928
	1197	1096	876	820	699	836	1135	1420	1131	945	891	833
	706	476	391	299	405	343	604	794	1148	1122	1004	1168

Chart 2K

	22	23	24	25	26	27	28	29	30	31	TOTAL
0	670	670	770	830	950	950	770	815	860	905	
0	2600	2600	2600	2600	2940	3290	3290	2940	2940	2770	
0	1580	1580	1820	1580	1580	1580	1820	1820	1580	1820	
0	1360	1120	1050	1120	1050	1050	930	880	930	990	
0	1080	1200	1430	1350	1200	1130	1130	955	890	1020	
0	1120	1190	1190	1270	1230	1270	1120	1040	695	1000	
	945			752			790			790	
0	560	520	520	580	625	625	760	820	760	675	
	1180	1180	1180	1240	1180	1360	1180	1140	1000	1100	
0		1050	1080	930	930	1050	1120	990	930	755	
0	1570	1700	1660	1660	1750	1570	1390	1310	1390	1570	
0	1160	1160	1300	1100	990	990	1040	1100	1100	1160	
0	850	1010	1010	930	950	930	1035	1060	1035	1035	
4	824	1080	950	1080	1150	1020	1020	950	1020	1150	
0					650			826			
6	1102	1157	1079	955	825	728	837	849	676	719	
2	989	897	883	873	679	663	669	679	671	656	
27	2038	1737	2965	2871	2416	3536	5050	6972	5420	4150	
12	745	757	670	660	628	640	637	617	588	595	
86	1126	1160	1199	1016	955	927	998	872	815	741	
17	1042	950	909	890	936	956	982	1074	1359	2331	
95	1175	1163	1220	1106	1109	1194	1191	1127	1177	1067	
74	954	790	804	1052	1085	1172	1246	1361	1017	1136	
63	799	635	608	902	979	879	947	898	1008	776	
20	422	425	421	539	515	507	663	753	975	882	
16	904	923	1016	1026	882	859	765	682	639	607	
51	815	794	906	869	844	840	928	838	911	920	
87	950	1548	1345	1255	1147	1144	1173	1490	1373	1120	
99	615	606	706	645	995	837	964	1043	889	792	23,106
38	1047	1076	1012	971	917	843	732	729	625	704	34,774
70	493	505	552	533	509	760	666	634	613	613	22,054
62	745	718	718	694	726	751	837	750	620	557	18,188
51	496	750	690	1081	929	761	822	780	825	756	20,298
76	972	943	996	998	1106	1241	1215	1121	1110	1322	27,826
89	1017	1008	928	946	897	926	965	813	759	671	25,604
50	578	480	570	648	731	798	965	865	686	675	18,676
56	710	755	663	723	728	698	667	478	670	596	20,778
26	1161	1291	1288	1171	1319	1328	1174	1172	1097	1187	57,880
32	928	752	1038	948	866	764	885	985	985	693	30,490
91	833	770	715	685	552	552	659	697	778	918	24,634
04	1168	1185	1248	1127	1173	1073	1280	1068	968	1071	28,317

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1941	953	664	662	690	704	967	890	959	778	857	761	699	622
1942	612	612	612	927	737	737	737	999	1000	1157	1052	1051	841
1943	4510	4934	3711	2796	2572	2257	2026	1701	1730	1701	1554	1337	1344
1944	998	895	979	759	575	685	876	673	670	671	674	676	684
1945	796	703	662	668	803	810	747	1120	1193	1040	1035	899	902
1946	2583	2013	2128	1723	1881	1631	1219	1544	1282	1045	1240	920	878
1947	820	1062	923	620	688	986	1017	1018	905	903	1186	1033	1074
1948	661	943	884	972	1020	1111	1140	2183	2282	1653	1571	1494	1005
1949	866	878	818	730	730	825	800	822	861	868	773	760	777
1950	641	735	654	772	509	645	847	894	903	955	952	707	558
1951	1130	993	1241	1259	997	1017	1000	748	949	1190	1294	1188	1361

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
1947	1014	1122	953	941	993	1075	992	940	944	1148	1146	1250	2090
1948	878	983	1021	857	836	842	747	913	727	917	666	601	670
1949	759	801	827	862	873	883	885	890	862	832	801	770	734
1950	833	747	675	1415	1134	1344	1272	1181	1267	1258	1091	990	1165
1951	757	835	945	1261	2237	1654	2153	3231	3400	3067	3290	3946	3147

1941	1678	1898	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	1
1942	873	1003	1035	1138	1018	1122	1054	1177	1115	1308	1403	1593	1652	1
1943	3088	2982	2899	3025	3099	2745	2569	2684	2919	2526	2520	2460	2525	3
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174	1
1945	903	1024	1056	1012	818	794	816	870	968	1016	1035	1076	1426	1
1946	1733	1580	1379	1595	1565	1948	1997	2033	2090	2342	2900	3811	4148	41
1947	1651	1539	1661	1803	1607	1600	1312	1485	1418	1844	2758	2251	2114	20
1948	1087	1173	1121	1096	966	976	973	994	997	978	994	1005	1015	10
1949	1113	1343	1606	1746	1823	1874	1915	1913	1943	1941	2047	1984	1977	21
1950	2698	2310	2377	2328	2154	2618	2476	2333	2250	2232	1929	1679	1486	16
1951	1694	1714	1419	1608	2076	1084	1520	1410	995	1322	1138	1413	1368	13

NATURAL FLOW OF BOISE RIVER BEGINNING 1941

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
JANUARY														
761	699	622	926	1076	929	927	878	884	888	890	886	884	917	103
1052	1051	841	946	946	621	731	1306	866	756	866	748	976	1119	126
1554	1337	1344	1519	1550	1636	1300	1100	1315	2010	2179	3728	4603	4259	356
674	676	684	688	962	934	945	1042	827	824	822	722	730	940	82
1035	899	902	1300	1461	1305	1169	1052	1034	1035	704	830	739	663	81
1240	920	878	1057	983	866	1214	1246	1157	1111	940	1164	1117	1362	1209
1186	1033	1074	1052	788	753	786	733	1073	1245	1132	1276	865	1119	1114
1571	1494	1005	866	810	842	940	948	964	827	872	924	1244	1208	1030
773	760	777	824	830	850	841	814	785	780	788	806	811	793	732
952	707	558	884	624	760	832	706	767	1079	1300	1874	2235	2173	1789
1294	1188	1361	1167	1124	1230	1404	1165	1058	1107	1050	1321	1324	1154	1252

FEBRUARY

1244	1435	1469	1238	1123	1163	1093	994	1041	1151	1069	1093	1369	1529	1776
1285	1152	1118	861	997	1179	1011	892	739	753	806	1477	1051	1150	952
1569	1359	1648	1445	1646	1758	1771	1961	1944	2154	2462	2739	3419	3440	3327
791	785	773	785	906	1053	867	858	979	842	847	622	916	794	919
1486	1353	1599	3131	2857	2051	1874	1550	1396	1329	1302	1115	1086	1077	1051
1028	1132	941	961	1074	1366	1281	1232	956	1237	1239	1219	1257	1287	1482
1146	1250	2090	2423	2059	1886	1897	1937	2145	1786	1741	1834	1951	2029	1972
666	601	670	902	970	981	917	886	1227	1411	1102	1326	1819	1458	1222
801	770	734	669	682	694	682	691	753	792	841	846	846	871	901
1091	990	1165	917	1112	1199	1205	1202	1207	1299	1223	1221	1410	1412	1935
3290	3946	3147	3254	3175	2295	2409	2301	2334	2198	1937	2059	1828	1815	1678

MARCH

1648	1770	1372	1495	1480	1318	1384	1712	1967	1942	1942	1842	1922	1803	1727
1403	1593	1652	1860	1479	1688	1527	1468	1432	1411	1414	1442	1305	1575	1447
2520	2460	2525	3825	3899	3451	3161	2860	2606	2820	2026	2818	2119	2521	3009
1191	1182	1174	1248	1012	681	1196	1442	1446	1399	1366	1122	1135	1463	1179
1035	1076	1426	1746	1707	1520	1403	1519	1304	1172	1532	2260	2813	2856	2541
2900	3811	4148	4131	3566	3217	2843	2526	2803	4144	5164	5371	5061	5103	4335
2758	2251	2114	2004	2490	2946	3095	3940	4387	4397	4613	4661	4948	4541	3963
994	1005	1015	1087	1060	1126	1145	1137	1121	1086	1063	1001	1117	1133	1421
2047	1984	1977	2164	2195	2425	2731	2890	2995	3221	3356	3362	3405	3446	3169
1929	1679	1486	1615	1505	1502	2181	3880	4755	3658	3185	3006	2879	2729	2772
1138	1413	1368	1360	1491	2022	1927	1587	1719	1817	1816	2533	2602	2415	2518

Chart No. 2-L

22	23	24	25	26	27	28	29	30	31	TOTAL
886	884	917	1030	1215	1172	942	811	808	911	27,130
748	976	1119	1265	1511	1172	1323	1489	1388	1281	31,091
3728	4603	4259	3563	3199	2987	2703	2505	2250	2006	76,595
722	730	940	827	828	823	733	748	744	752	24,706
830	739	663	816	806	737	774	772	684	876	28,135
1164	1117	1362	1209	1045	1073	1104	993	952	1085	39,765
1276	865	1119	1114	1125	1157	913	921	986	908	30,181
924	1244	1208	1030	906	760	481	545	766	909	32,761
806	811	793	732	686	719	722	727	765	738	24,519
1874	2235	2173	1789	1237	1251	1182	1271	1019	833	31,594
1321	1324	1154	1252	1219	1404	1171	747	946	1118	35,328
1093	1369	1529	1776	1535	1284	1342				32,684
1477	1051	1150	952	922	941	1079				31,581
2739	3419	3440	3327	2831	2870	2759				58,282
622	916	794	919	798	797	954	780			26,305
1115	1086	1077	1051	836	969	1056				40,062
1219	1257	1287	1482	1546	1607	1609				32,902
1834	1951	2029	1972	1832	1961	1578				43,639
1326	1819	1458	1222	1309	1509	1340	1203			30,240
846	846	871	901	916	929	945				22,837
1221	1410	1412	1935	2020	1996	1975				35,705
2059	1828	1815	1678	2314	1528	2020				63,068
1842	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,724
1442	1305	1575	1447	1464	1476	1546	1639	1988	2250	43,902
2818	2119	2521	3009	3789	5285	7156	9555	10692	9936	117,569
1122	1135	1463	1179	1149	1154	904	1053	1094	1369	34,047
2260	2813	2856	2541	2242	2530	2320	2510	2290	2501	49,580
5371	5061	5103	4335	3767	4216	5462	6114	6618	5740	109,302
4661	4948	4541	3963	3837	3541	3553	3479	3709	3491	90,638
11001	1117	1133	1421	1342	1344	1381	1543	2076	2080	36,698
3362	3405	3446	3169	2970	2672	2564	2194	2200	2233	73,417
3006	2879	2729	2772	2856	2715	2552	2323	1969	2237	77,279
2533	2602	2415	2518	3130	2454	4455	4220	3470	3782	64,079

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1941	2764	3078	3048	3047	3476	3237	2958	2618	2631	2830	3468	3201	3339
1942	2592	2973	3284	3741	4057	3785	3879	4215	4659	5444	6081	7073	8215
1943	8908	10250	14430	14901	13749	13264	14663	16969	21255	18207	16138	16191	18504
1944	1584	1786	2125	2865	2726	3144	2693	2599	2622	2605	2376	3092	3326
1945	2671	2430	2282	2132	2205	1890	2576	2192	2522	2329	2057	2075	2045
1946	6008	4982	4552	4717	4841	5216	6160	6164	6222	5847	5218	5919	7596
1947	4810	4145	4006	3747	3576	3468	3305	3129	2954	2778	2635	2807	3063
1948	1740	2024	2660	2967	2723	2292	2269	1997	1837	2190	2201	2152	2155
1949	2433	2870	3339	3555	4184	5078	5780	5966	6176	6527	6860	7696	7761
1950	2888	3787	4628	4125	4107	3894	4251	4659	5177	4667	5832	5720	6521
1951	3624	3474	4934	5892	7194	8135	9860	10722	10962	10961	10650	9941	9844

1941	4890	5168	5018	5531	5646	5678	4968	4609	4612	4308	4367	5127	7386
1942	4049	4010	3767	3545	3454	3481	3320	3456	3734	4349	4477	4364	4144
1943	13118	14472	15282	15085	15650	14752	21884	11194	10220	10225	9810	9272	8431
1944	4472	4415	3900	3741	3793	4412	5143	5600	5514	5168	5134	5178	5509
1945	5984	6978	8661	10592	11644	10720	9978	9101	9082	9218	10489	9101	8230
1946	11798	10583	10259	10837	12416	13481	12844	13260	12128	11745	10582	10286	9306
1947	6899	7787	10947	11509	11660	11547	11766	12725	13838	11347	10891	9953	8473
1948	4839	4538	3728	4393	4204	4307	5353	6539	6472	5797	5101	4613	5081
1949	8043	7824	7289	6740	6507	6212	6294	7196	8178	9129	9835	10188	11441
1950	5296	6068	5497	6494	5131	5004	4335	4258	5085	4557	5345	5562	6933
1951	9164	8318	7239	7238	7299	8201	9732	12301	11980	12087	12460	13367	12371

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	15587	14754	12962	11286	10258	8909	8350	8004	7816	8370	9666	10493	11513
1944	5791	5553	5041	4788	4389	4168	4099	4084	4583	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
1947	7015	6887	6980	6014	5562	5299	5299	5342	6372	6867	5991	5421	4395
1948	10513	10900	11606	12316	11288	11163	11210	10962	10880	10534	10190	9669	9047
1949	8708	7602	6441	5588	5222	5867	6323	6598	6795	7171	7009	7447	6908
1950	10066	10139	10220	10932	10648	10879	11713	11063	9479	8073	7511	8098	8915
1951	9487	8497	7265	6970	6227	7755	6914	6277	5708	5396	5479	6034	7203

NATURAL FLOW OF BOISE RIVER BEGINNING 1941

10	11	12	13	14	15	16	17	18	19	20	21	22	23	
APRIL														
2830	3468	3201	3339	3509	3396	3665	3394	3243	2963	2670	2387	2370	2452	2
5444	6081	7073	8215	8731	9411	8204	6527	6620	6098	5858	6528	7779	8562	7
18207	16138	16191	18504	20265	21625	22310	23229	25040	23312	22450	18721	17930	15208	15
2605	2376	3092	3326	2841	2721	2302	2377	2310	2015	2274	2185	2348	2613	2
2329	2057	2075	2045	1985	2296	2082	2706	2855	3445	4460	6135	7701	6650	6
5847	5218	5919	7596	10219	12352	13581	14780	17389	18812	18660	15103	13559	11548	118
2778	2635	2807	3063	3230	4470	5633	6148	6379	6440	6284	6171	6318	6123	60
2190	2201	2152	2155	2437	2518	3724	5472	10555	8536	6896	6096	9614	8938	67
6527	6860	7696	7761	5943	5790	5886	7130	7765	9413	10308	8503	7089	8258	81
4667	5832	5720	6521	7448	7513	7141	8013	8713	9288	8968	9687	11164	11175	110
10961	10650	9941	9844	11505	11254	13094	10778	11156	11617	11612	9103	9634	8658	79

MAY														
4308	4367	5127	7386	8408	7496	6193	5543	5536	5708	5101	4809	4875	5676	664
4349	4477	4364	4144	4097	4044	4151	4093	3815	3906	3693	4044	4664	6595	916
10225	9810	9272	8431	8266	7851	7404	7311	7009	6906	7316	8041	8851	10237	1249
5168	5134	5178	5509	6077	7059	7632	7270	6542	5688	5076	4361	4248	4142	382
9218	10489	9101	8230	8448	7555	6677	7216	7208	6601	5903	5382	5033	4993	560
11745	10582	10286	9306	9563	9170	9087	9507	10011	10750	10746	10134	9995	10297	941
11347	10891	9953	8473	7965	7504	7733	7063	7056	7143	6705	7403	7922	7782	740
5797	5101	4613	5081	5491	6409	7046	8026	10024	11750	12004	11158	9708	9347	906
9129	9835	10188	11441	11785	12313	12729	11484	11045	11133	10828	10219	9157	8361	824
4557	5345	5562	6933	9553	11897	13385	13675	12924	12287	9602	8307	10851	12138	1353
12087	12460	13367	12371	10540	11714	8739	9745	10377	11258	11542	11650	11353	12580	12793

JUNE														
5148	4826	4982	5120	5417	5474	5217	4718	4390	4612	4450	4067	3541	3436	330
9502	8497	7225	6400	6171	6105	6822	6402	5525	5420	5117	4791	4453	4427	465
8370	9666	10493	11513	11171	10305	10063	9048	9978	11871	12584	11249	10070	10859	106
4943	4477	4254	4137	4007	4063	4095	4112	3762	3506	3582	3888	3933	3924	36
8299	7485	6911	6696	6727	6164	5678	5343	5416	5806	6460	7091	7389	7317	71
7505	7573	6965	6209	6199	6482	6365	5913	5539	5244	5054	5103	5241	4827	50
6867	5991	5421	4395	4743	4539	4785	4962	5051	5334	5103	4813	4215	3548	36
10534	10190	9669	9047	8398	7682	7075	6428	5872	5495	4918	5009	5523	4938	46
7171	7009	7447	6908	6266	5531	4828	4980	4145	3728	3705	3597	3301	3091	32
8073	7511	8098	8915	7834	8115	8634	9085	9759	8926	9710	9794	10313	10051	89
5396	5479	6034	7203	7536	8584	9851	10513	9966	9533	8704	8506	7928	7135	64

Chart No. 2-M

	21	22	23	24	25	26	27	28	29	30	31	TOTAL
	2387	2370	2452	2699	3128	3201	3316	3543	4090	4429		94,150
	6528	7779	8562	7355	6099	5718	5033	4620	3317	4353		170,811
	18721	17930	15208	15482	14783	13616	12110	11161	14952	13643		503,266
	2185	2348	2613	2821	3624	3471	3330	3282	3712	4231		82,000
	6135	7701	6650	6101	5125	4326	3792	2729	3768	4622		101,184
	15103	13559	11548	11850	13257	15441	16663	15853	14226	13167		319,902
	6171	6318	6123	6002	5480	5356	5760	6191	6991	7300		144,699
	6096	9614	8938	6732	6461	5890	5108	4452	4411	5165		132,212
	8503	7089	8258	8197	10023	9325	8906	9226	9241	9046		208,274
	9687	11164	11175	11063	8717	8276	7747	7186	6576	6012		204,893
	9103	9634	8658	7951	8088	7476	7865	8281	11574	11017		276,856
1	4809	4875	5676	6643	7222	7181	8861	8155	6497	5834	5620	182,668
3	4044	4664	6595	9166	8745	10608	10690	8987	7899	6931	6560	162,838
6	8041	8851	10237	12494	14458	14525	16433	15392	15465	16213	16835	361,402
6	4361	4248	4142	3824	3550	3409	3269	3789	3721	4432	5576	151,604
3	5382	5033	4993	5600	6638	6372	6538	6147	6452	6932	7120	236,573
6	10134	9995	10297	9414	8760	8863	10914	10528	10264	9346	7956	325,830
5	7403	7922	7782	7407	7316	7548	7862	8080	7846	6708	6497	272,882
4	11158	9708	9347	9066	9469	11787	12502	14185	15260	13357	11342	252,896
8	10219	9157	8361	8248	7608	8249	8084	9373	9402	9520	9017	283,431
2	8307	10851	12138	13535	13021	11443	11009	11542	11799	11588	11627	279,748
2	11650	11353	12580	12793	13796	12825	12596	13931	14035	12879	10811	344,921
50	4067	3541	3436	3300	3016	3077	2668	2626	2656	2468		133,388
17	4791	4453	4427	4650	4756	4886	4527	4024	3862	3701		181,187
34	11249	10070	10859	10635	9768	9435	9483	9715	9920	9755		313,877
32	3888	3933	3924	3606	3689	3732	3741	3684	3228	3004		123,863
50	7091	7389	7317	7137	6538	6633	5948	5117	4311	3963		202,998
54	5103	5241	4827	5035	4566	3994	3917	3468	3540	3407		189,412
03	4813	4215	3548	3663	3798	3631	3738	3439	2971	2842		148,619
18	5009	5523	4938	4634	4327	4182	4086	3875	3657	3476		229,853
05	3597	3301	3091	3292	3073	3074	2960	2558	2418	2328		150,554
10	9794	10313	10051	8978	7663	6895	5212	6531	7034	8135		270,405
04	8506	7928	7135	6408	6370	5833	6263	5806	5949	5691		219,788

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	13
1941	2322	2243	2039	1927	1952	1710	1674	1575	1513	1437	1337	1296	1213
1942	4013	4240	4155	3775	3793	3472	3324	3084	2814	2736	2424	2238	2108
1943	10045	9693	9197	9300	8879	8231	8048	8399	8360	7942	7292	6508	5908
1944	3009	3102	2688	2700	2403	2513	2184	2012	1856	1998	1857	1698	1642
1945	3718	3569	3697	3642	3538	3165	3117	2943	2881	2900	2523	2409	2555
1946	3334	3363	3476	3227	3104	2957	2713	2600	2587	2373	2385	2246	1949
1947	2727	2594	2681	2701	2632	2476	2407	2450	2533	2120	2258	2132	1840
1948	3652	3480	3149	2965	2676	2504	2408	2250	2112	2067	1859	1818	1814
1949	2345	2243	2200	2079	2070	2094	2268	2117	1900	1699	1705	1663	1639
1950	8217	8402	7729	7180	6707	6330	6036	5799	5235	4788	4579	4039	3874
1951	5444	5457	5231	5184	5226	4489	4507	4060	3758	3821	3636	3409	3003

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
1947	1040	1022	973	900	909	872	838	748	790	737	721	714	644
1948	870	957	887	823	745	884	935	836	848	825	848	859	792
1949	838	785	764	646	594	604	557	571	625	625	608	662	707
1950	1656	1530	1525	1401	1552	1840	1590	1597	1274	1350	1471	1447	1300
1951	1515	1605	1521	1630	1721	1769	1389	1309	1260	1341	1190	1379	927

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
1947	583	614	596	570	605	589	585	630	617	645	652	640	701
1948	620	612	606	610	616	620	616	620	620	559	560	570	630
1949	544	544	528	513	489	434	437	433	450	524	541	613	630
1950	811	714	821	642	508	516	496	541	1024	1752	1297	929	756
1951	756	841	1124	617	775	617	709	570	768	848	643	616	692

NATURAL FLOW OF BOISE RIVER
BEGINNING 1941

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
JULY														
337	1296	1213	1239	1233	1251	1217	1219	1147	1113	1090	1041	994	966	947
424	2238	2108	2075	1899	1811	1790	1696	1591	1530	1473	1450	1417	1356	1337
292	6508	5908	5338	5040	5053	4694	4405	4363	4274	4063	4189	4169	4086	3455
857	1698	1642	1590	1519	1482	1511	1455	1401	1317	1284	1347	1321	1293	1251
523	2409	2555	2355	2179	2136	2081	1791	1789	1709	1623	1644	1504	1535	1447
385	2246	1949	1915	1811	1658	1687	1744	1645	1532	1456	1553	1504	1382	1342
258	2132	1840	1871	1856	1816	1783	1801	1678	1494	1436	1402	1356	1253	1209
859	1818	1814	1736	1500	1565	1577	1497	1354	1350	1365	1348	1296	1181	1125
1705	1663	1639	1500	1431	1390	1295	1296	1155	1083	1083	1080	1099	1043	973
579	4039	3874	3507	3215	3369	3035	2818	2518	2402	2319	2270	2040	2003	1953
636	3409	3003	2998	2845	2941	2681	2766	2443	2407	2338	2136	2153	1912	1688

AUGUST														
682	1339	1262	1140	899	839	852	890	1240	962	832	879	800	714	860
878	784	756	742	745	729	674	688	648	611	596	625	597	623	626
1656	1539	1630	1644	1636	1618	1594	1521	1514	1457	1400	1366	1315	1304	1280
770	767	687	650	649	638	631	634	626	616	581	542	536	547	534
970	929	912	882	814	799	769	750	759	726	727	710	714	720	679
934	901	896	854	844	847	814	794	753	780	735	768	802	804	835
721	714	644	654	663	672	637	619	613	589	579	586	569	555	586
848	859	792	745	734	737	753	742	723	679	690	670	679	684	680
608	662	707	727	767	764	828	831	763	718	654	611	594	572	560
1471	1447	1300	1400	1136	1127	1017	1026	949	1001	994	1049	945	1009	1094
1190	1379	927	1130	968	867	817	1110	825	759	841	1061	1072	835	1197

SEPTEMBER														
653	642	669	698	742	747	740	727	686	699	710	726	726	728	728
530	554	592	624	632	638	623	623	601	620	635	652	666	615	604
922	914	882	917	926	889	862	817	783	787	758	828	858	840	891
568	557	517	509	487	455	477	474	547	606	663	707	689	672	658
575	611	579	594	563	557	578	589	624	630	644	691	829	875	951
824	778	717	695	654	661	670	725	793	857	893	893	889	892	827
652	640	701	705	686	656	637	591	636	627	606	607	615	617	617
560	570	630	603	592	581	525	507	499	474	508	483	504	538	562
541	613	630	621	637	568	556	557	502	505	489	474	485	503	508
1297	929	756	984	902	843	839	804	841	850	846	769	716	712	678
643	616	692	904	596	696	736	609	534	318	805	298	729	717	778

Chart No. 2-N

	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
1436	1402	1356	1253	1209	1146	1140	1105	1006	1052	1092		57,047
1365	1348	1296	1181	1125	1020	920	914	969	968	864		53,489
1083	1080	1099	1043	973	927	925	945	930	894	878		45,949
2319	2270	2040	2003	1953	1902	1736	1862	1755	1678	1559		120,856
2338	2136	2153	1912	1688	1946	1715	2222	1676	2212	1541		97,845
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	868	876	874	834	829		29,187
579	586	569	555	586	567	546	521	510	553	598		21,525
690	670	679	684	680	677	667	652	644	636	628		23,529
654	611	594	572	560	551	566	544	539	556	541		20,262
994	1049	945	1009	1094	893	863	960	801	730	724		37,251
841	1061	1072	835	1197	994	933	806	840	766	971		35,348
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
606	607	615	617	617	619	592	594	582	590			18,604
508	483	504	538	562	590	725	757	806	760			17,873
489	474	485	503	508	507	503	466	472	534			15,567
846	769	716	712	678	700	750	801	852	938			24,632
805	298	729	717	778	833	704	924	706	812			21,275

Chart No. 2-N

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	1255	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
1436	1402	1356	1253	1209	1146	1140	1105	1006	1052	1092	57,047
1365	1348	1296	1181	1125	1020	920	914	969	968	864	53,489
1083	1080	1099	1043	973	927	925	945	930	894	878	45,949
2319	2270	2040	2003	1953	1902	1736	1862	1755	1678	1559	120,856
2338	2136	2153	1912	1688	1946	1715	2222	1676	2212	1541	97,845
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	51,870
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	868	876	874	834	829	29,187
579	586	569	555	586	567	546	521	510	553	598	21,525
690	670	679	684	680	677	667	652	644	636	628	23,529
654	611	594	572	560	551	566	544	539	556	541	20,262
994	1049	945	1009	1094	893	863	960	801	730	724	37,251
841	1061	1072	835	1197	994	933	806	840	766	971	35,348
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
606	607	615	617	617	619	592	594	582	590		18,604
508	483	504	538	562	590	725	757	806	760		17,873
489	474	485	503	508	507	503	466	472	534		15,567
846	769	716	712	678	700	750	801	852	938		24,632
805	298	729	717	778	833	704	924	706	612		21,275

YEAR	12	2	3	4	5	6	7	8	9	10	11	12	13
1941	718	694	674	665	691	724	752	797	732	715	591	676	783
1942	567	748	695	662	697	665	659	684	455	501	459	605	740
1943	696	781	752	808	678	450	1043	864	845	766	907	1228	940
1944	571	583	702	630	554	718	635	636	619	646	652	635	617
1945	353	745	778	774	726	715	716	722	581	601	570	773	696
1946	672	1566	1714	1217	1151	974	940	1064	1013	995	961	991	931
1947	536	648	559	703	619	638	645	518	632	876	803	947	941
1948	631	616	536	551	715	779	728	755	791	697	698	742	742
1949	513	562	575	793	753	948	943	896	835	860	996	849	858
1950	1049	1161	967	968	1027	995	1027	1090	1056	1262	1146	973	950
1951	919	1440	1748	1289	992	1114	1240	1236	681	948	1368	808	1358

1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	780	8
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707	8
1943	1158	1212	1079	1106	1917	2081	1526	1332	1175	853	1740	1240	1156	12
1944	952	1196	917	1007	1406	1314	1050	900	847	1011	1148	1039	928	9
1945	902	1104	715	807	917	860	812	865	785	740	787	1072	819	8
1946	1031	1033	929	844	934	947	1063	971	983	972	1028	937	844	8
1947	1073	1003	1003	992	911	999	970	1097	1051	961	949	985	859	9
1948	813	1214	1689	1177	1010	947	883	771	765	779	812	817	856	9
1949	805	710	716	824	700	690	700	779	995	1043	1022	821	885	8
1950	1399	2008	1950	1257	1357	1273	1471	1657	1649	1368	1257	1343	1126	130
1951	1151	906	1003	1365	1001	1305	1093	827	1116	747	150	1470	1072	136

1941	943	947	1661	4605	3137	2036	1837	1555	1400	1485	1458	1237	1309	140
1942	1854	1741	1385	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225	111
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746	74
1944	805	808	793	686	667	728	736	746	638	407	342	352	396	40
1945	972	718	616	866	1056	1008	1091	933	819	456	695	856	664	57
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1941	3056	405
1947	1239	1165	1100	920	1078	1117	954	951	908	957	622	838	709	995
1948	790	846	881	857	849	841	883	882	874	870	930	952	988	999
1949	1303	1123	1148	775	804	855	790	842	891	780	701	626	650	903
1950	1403	1398	1485	1441	1551	1450	1561	1878	1631	1645	1759	1651	1474	2107
1951	2369	3435	2251	2024	1569	1835	1117	853	711	916	962	1493	1337	1060

NATURAL FLOW OF BOISE RIVER
BEGINNING 1941

	12	13	14	15	16	17	18	19	20	21	22	23	24	25
	OCTOBER													
1	676	783	804	698	802	2533	1954	1566	1420	1187	922	936	850	694
9	605	740	744	844	563	683	718	692	895	720	764	720	760	651
7	1228	940	1122	939	927	1006	876	1012	883	1121	1084	1085	1054	1188
2	635	617	611	652	642	821	807	673	632	598	664	671	674	693
0	773	696	542	865	746	689	777	846	792	814	838	768	797	776
1	991	931	898	932	865	995	910	995	925	936	1134	1256	1407	1281
3	947	941	874	777	822	2138	1453	1233	1063	981	1002	977	947	915
8	742	742	750	748	751	778	783	780	781	782	722	738	741	735
6	849	858	816	827	851	825	834	746	748	753	812	826	825	852
5	973	950	930	967	971	971	971	971	971	971	974	973	972	972
8	808	1358	1565	941	1751	1489	565	1047	1924	1634	513	702	1189	1316

	NOVEMBER													
2	903	780	894	1387	2533	1954	1566	1420	1187	922	936	850	694	863
5	747	707	842	944	1562	1158	1186	1150	1007	857	703	858	1128	1793
0	1240	1156	1206	1133	1130	1128	967	1087	1141	1106	985	1056	1056	968
8	1039	928	975	860	870	745	682	577	656	681	731	722	699	802
7	1072	819	840	941	957	992	888	936	976	839	675	580	875	1004
8	937	844	850	944	936	856	947	1115	2186	1660	1484	1328	1706	1608
9	985	859	985	970	993	1022	928	1024	865	754	883	655	771	1011
2	817	856	912	932	981	916	883	854	838	818	790	808	803	813
2	821	885	840	906	817	846	715	809	684	841	645	804	1409	1474
7	1343	1126	1303	1186	1129	1172	1419	1649	1540	1597	1879	1277	1272	1388
0	1470	1072	1368	952	895	587	1272	53	2770	773	1279	1051	953	831

	DECEMBER													
8	1237	1309	1406	1372	1694	1580	1838	1871	2130	2240	2199	1896	1673	1657
2	1212	1225	1116	1111	1041	1189	1052	920	942	994	1293	1140	1395	1644
6	746	746	746	770	748	759	939	974	1002	1003	1186	1003	943	1056
2	352	396	406	464	505	765	610	640	866	1052	818	1137	906	839
5	856	664	571	568	707	645	1040	833	691	898	893	1243	1173	1130
9	1941	3056	4053	4709	3950	2413	1771	1870	1845	1792	1550	1306	1384	1439
2	838	709	995	922	901	811	959	991	844	951	798	792	974	746
0	952	988	999	980	942	892	767	720	739	713	673	702	697	664
0	626	650	903	718	817	809	934	656	565	728	778	931	906	764
9	1651	1474	2107	1284	1179	1669	1304	1206	1181	1537	1246	1326	1283	1304
2	1493	1337	1060	1098	754	1072	1273	1362	807	959	2049	2046	1242	1236

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
120	1187	922	936	850	694	863	958	909	675	1000	871	31,600
995	720	764	720	760	651	626	702	792	737	835	699	21,282
183	1121	1084	1085	1054	1188	1148	1202	1284	1460	1451	1301	30,901
632	598	664	671	674	693	659	958	436	669	638	718	20,414
792	814	838	768	797	776	785	800	781	802	819	924	22,911
925	936	1134	1256	1407	1281	1244	1238	1220	1123	1031	1118	33,697
063	981	1002	977	947	915	850	813	954	995	1143	1120	28,122
781	782	722	738	741	735	736	734	675	686	685	735	22,321
748	753	812	826	825	852	818	642	689	752	835	780	24,612
971	971	974	973	972	972	991	1168	1274	1525	1685	1832	33,760
924	1634	513	702	1189	1316	1347	1554	2001	1425	1178	1302	38,636
187	922	936	850	694	863	958	909	675	1000	871		31,600
007	857	703	858	1128	1793	1534	1246	1442	1412	2098		32,034
141	1106	985	1056	1056	968	1056	959	955	909	935		35,352
656	681	731	722	699	802	716	741	747	600	581		26,099
976	839	675	580	875	1004	991	1061	1096	1094	905		26,835
186	1660	1484	1328	1706	1608	1603	1713	1457	1522	1676		36,107
865	754	883	655	771	1011	993	1032	1081	973	998		28,797
838	818	790	808	803	813	831	815	818	830	784		26,959
684	841	645	804	1409	1474	1367	1290	1347	1205	917		27,606
540	1597	1879	1277	1272	1388	1383	1359	1278	1232	1298		42,476
770	773	1279	1051	953	831	863	1518	1231	1330	1210		32,142
2130	2240	2199	1896	1673	1657	1335	1097	917	1411	1620	1873	53,419
942	994	1293	1140	1395	1644	1707	1173	1131	1851	1679	2620	40,891
1002	1003	1186	1003	943	1056	954	838	628	536	757	994	27,884
866	1052	818	1137	906	839	783	615	621	588	906	826	21,451
691	898	893	1243	1173	1130	1000	1206	1505	3667	5249	3587	37,356
1845	1792	1550	1306	1384	1439	1319	1319	1286	1137	948	865	54,696
844	951	798	792	974	746	737	736	779	961	790	513	27,758
739	713	673	702	697	664	652	681	743	804	861	875	25,547
565	728	778	931	906	764	779	795	975	775	739	748	25,608
1181	1537	1246	1326	1283	1304	1502	1148	770	907	1599	1440	44,319
807	959	2049	2046	1242	1236	629	1253	1145	2220	1393	1332	43,802

TABLE, IN SECOND FEET, SHOWING AVERAGE DAILY FLOW OF BOISE RIVER
FOR A 50-YEAR PERIOD, 1895 to 1944, INCLUSIVE Chart 3

	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1.	1172	1100	1579	3764	7022	6239	4219	1215	748	763	899	1152
2.	1131	1095	1611	3387	7107	6147	4101	1144	753	788	911	1168
3.	1139	1126	1675	4151	7155	6105	3940	1142	743	795	968	1139
4.	1114	1135	1671	4240	7369	7961	3784	1123	733	810	916	1176
5.	1089	1218	1715	4258	7510	7808	3630	1089	736	810	957	1090
6.	1067	1220	1766	4274	7710	7706	3425	1053	734	806	964	1073
7.	1075	1207	1770	4314	7980	7827	3296	1033	726	832	949	1050
8.	1031	1308	1887	4535	7935	7931	3198	1012	718	856	936	1009
9.	1002	1277	2004	4745	7995	7934	3077	984	719	849	945	973
10.	1019	1225	1921	5192	8173	7854	2909	943	724	841	989	985
11.	1001	1207	1946	5402	8008	7598	2740	928	737	837	1012	1056
12.	992	1174	2037	5707	7987	7589	2671	932	736	834	966	1202
13.	964	1186	2074	6201	8015	7612	2513	910	744	845	929	1132
14.	1002	1145	2128	6550	8347	7579	2409	896	756	839	957	1068
15.	1091	1162	2188	6731	8333	7389	2286	887	762	864	945	986
16.	1123	1225	2330	6949	8360	7361	2173	872	764	853	1080	974
17.	1097	1244	2365	6886	8338	7167	2050	857	759	894	995	1027
18.	1104	1245	2714	6969	8405	6947	1951	833	749	901	1021	994
19.	1135	1238	2772	6994	8112	6793	1866	835	742	891	991	1049
20.	1165	1264	2950	6605	7909	6559	1789	818	750	882	1045	1026
21.	1202	1302	2975	6556	7745	6266	1695	818	745	888	1123	1053
22.	1187	1367	3048	6696	7731	5981	1623	792	736	866	1228	1038
23.	1197	1305	3093	6775	7803	5736	1595	783	744	890	1364	1042
24.	1171	1424	3085	6950	8002	5490	1546	770	751	886	1250	1084
25.	1227	1390	3183	6941	8130	5198	1533	756	756	874	1211	1076
26.	1195	1364	3177	7200	8400	5041	1452	751	741	873	1162	1054
27.	1154	1445	3320	7304	8395	5169	1400	742	754	886	1117	1074
28.	1126	1524	3365	7248	8128	4720	1359	739	753	884	1041	1106
29.	1112	1215	3572	7112	7972	4580	1312	735	755	896	1044	1148
30.	1081		3652	7053	7987	4378	1287	743	758	888	1103	1103
31.	1100		3660		8293		1230	736		897		1119

TOTAL MONTH

FOR IRRIGA

YEAR	October	November	December	January	February	March	April
1894-95	54700(8)	54000	62700	78600	68280	103180	243140
1895-96	57040	54980	50980	73440	67660	157560	295040
1896-97	54220	62300(3)	64600	50520	55240	87960	476000(5)
1897-98	63440	64100	61500(7)	34100	67200	119280	251900
1898-99	53262	56240	151640	160600	79640	113900	425740
1899-00	83664	90000	97000	125420	96440	305220	380020
1900-01	63570	61880	65060	79440	98340	179320	305940
1901-02	56464	55892	76400	61300	90440	88920	211470
1902-03	45630	54498	63474	81760	63570	143360	448220
1903-04	58554	67800(7)	57500	124000(1)	108000(1)	262140	671840
1904-05	58980	54000	54000(7)	50400(2)	56700(2)	101900	176200
1905-06	42980	41010	40410	56810	57240	101100	337920
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	673380
1907-08	57890	55978	63300	67230	63282	141130	382540
1908-09	68440	59280	58000	138160	110680	232840	472120
1909-10	63140	200560	124760	79900	66600	566900	609980
1910-11	63210	73780	76820	63010	76340	159570	323960
1911-12	66570	66700	63520	78420	76120	99580	342620
1912-13	66960	67820	60680	53800	51400	101800	374960
1913-14	63524	80180	61380	72196	74968	216040	469040
1914-15	69680	58368	44800	59580	59726	94782	176564
1915-16	42410	45626	53346	49930	63262	197486	555062
1916-17	59106	54016	53702	47628	47694	61740	267082
1917-18	46004	49506	128592	113818	77754	181542	346040
1918-19	64492	56578	49118	50532	52844	114916	395854
1919-20	47968	56548	52610	66528	66774	89234	189044
1920-21	59966	75678	67106	112422	94098	271472	394484
1921-22	55492	39088	44979	60982	53180	113692	319642
1922-23	52172	48886	52872	62100	50860	92700	273726
1923-24	61592	52930	51286	48954	72446	63550	136450
1924-25	39218	53862	42912	48416	129386	192378	501862
1925-26	58400	52394	63522	48414	64264	140448	232672
1926-27	34882	67640	84790	63200	104630	188084	378928
1927-28	69014	144162	97842	90008	79354	272846	316812
1928-29	49852	50792	46212	45514	49720	101904	179094
1929-30	39356	36848	69543	44774	64388	103616	274178
1930-31	54512	45418	44108	44818	45298	91246	177172
1931-32	31424	31224	36376	38612	36756	135826	336006
1932-33	39142	56478	40596	43926	41136	64474	239342
1933-34	41276	47684	55652	79680	79948	151896	249648
1934-35	37058	49444	51208	52256	54336	83150	299458
1935-36	33616	38248	37352	44612	47356	100060	577594
1936-37	39772	36600	41556	37568	41728	89870	207358
1937-38	36266	49828	115760	67492	71566	191026	505100
1938-39	60626	67394	60980	52236	47170	164294	328918
1939-40	40474	38998	49268	53858	75724	201512	355842

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

CHART #

FOR IRRIGATION YEARS BEGINNING 1894 - 1895.

March	April	May	June	July	August	September	TOTAL	
3180	243140	395220	225700	152380	63620	58000	1,559,520	
7560	295040	555380	1464280	385520	81960	57500	3,301,340	
87960	476000(5)	508000(6)	415000(5)	143300	67250	62520	2,045,910	
9280	251900	320280	299360	116848	45708	39168	1,482,884	(1) Mean of
13900	425740	608020	731400	356160	109940	68900	2,915,442	High Ye
5220	380020	510720	300640	84156	53496	51196	2,177,972	(2) Substit
79320	305940	626460	287420	116400	52222	49944	1,985,996	from 19
88920	211470	353460	287160	106720	49496	40914	1,478,636	(3) Substit
43360	448220	520620	601880	147580	53000	46344	2,269,936	from 19
62140	671840	828600	521060	201920	71972	43830	3,017,216	(4) Missing
01900	176200	229820	247660	78860	39870	34660	1,183,050	stitute
01100	337920	428100	346980	162900	52410	41090	1,702,950	(5) Missing
46120	673380	683520	534560	335640	101600	62066	3,207,016	stitute
41130	382540	370360	324880	198500	64920	55524	1,845,534	year me
32840	472120	605240	655220	226800	63690	57220	2,747,690	(6) Missing
66900	609980	513560	310360	110040	55970	56390	2,758,160	stitute
59570	323960	549120	740860	233040	74906	59728	2,494,344	year me
99580	342620	684180	677560	173980	83380	66080	2,478,710	(7) Interpo
01800	374960	573740	413420	158660	82964	54290	2,060,494	(8) Average
216040	469040	553660	307700	124130	58742	52654	2,133,214	water y
94782	176564	274130	191900	83978	40926	39672	1,194,106	
97486	555062	563720	594764	293818	80102	53680	2,593,206	
61740	267082	654106	643322	260216	65224	43950	2,257,786	
81542	346040	409954	461268	112120	56300	49922	2,032,820	
14916	395854	509192	240872	69736	36404	34262	1,674,800	
89234	189044	449730	333468	117328	40586	39034	1,548,852	
71472	394484	824032	718728	175390	63068	48784	2,905,228	-71
13692	319642	552674	659854	148066	65210	47974	2,160,833	
92700	273726	454010	376208	192504	67552	42946	1,766,536	
63550	136450	243200	76792	35296	24426	25320	892,242	
92378	501862	700486	367370	152598	60730	47302	2,336,520	
40448	232672	247704	705072	41132	30872	29480	1,113,374	
88084	378928	665294	725602	233700	74786	55734	2,677,270	
272846	316812	852194	305656	118292	51462	41304	2,438,946	
01904	179094	359418	285896	98288	36822	32488	1,336,000	
03616	274178	295246	257382	79234	43256	34720	1,342,541	
91246	177172	251538	110862	34670	23156	24046	946,844	
135826	336006	564176	458224	154298	52212	41746	1,916,880	
64474	239342	341610	538198	99610	40282	35556	1,580,350	
51896	249648	229216	86240	37252	22622	24966	1,106,080	
83150	299458	428528	363262	97334	39022	30052	1,585,108	
100060	577594	625906	319284	82558	43272	40936	1,990,794	
89870	207358	381192	178996	60820	25996	25958	1,167,414	
191026	505100	711314	558138	201292	71190	46910	2,625,882	
164294	328918	341836	136300	60358	28454	30436	1,379,002	
201512	355842	434480	227258	64468	31480	38986	1,612,348	

FLOW OF BOISE RIVER - IN ACRE FEET

CHART # 4

ON YEARS BEGINNING 1894 - 1895.

May	June	July	August	September	TOTAL
395220	225700	152380	63620	58000	1,559,520
555380	1464280	385520	81960	57500	3,301,340
508000(6)	415000(5)	143300	67250	62520	2,045,910
320280	299360	116848	45708	39168	1,482,884
608020	731400	356160	109940	68900	2,915,442
510720	300640	84156	53496	51196	2,177,972
626460	287420	116400	52222	49944	1,985,996
353460	287160	106720	49496	40914	1,478,636
520620	601880	147580	53000	46344	2,269,936
828600	521060	201920	71972	43830	3,017,216
229820	247660	78860	39870	34660	1,183,050
428100	346980	162900	52410	41090	1,702,950
683520	534560	335640	101600	62066	3,207,016
370360	324880	198500	64920	55524	1,845,534
605240	655220	226800	63690	57220	2,747,690
513560	310360	110040	55970	56390	2,758,160
549120	740860	233040	74906	59728	2,494,344
684180	677560	173980	83380	66080	2,478,710
573740	413420	158660	82964	54290	2,060,494
553660	307700	124130	58742	52654	2,133,214
274130	191900	83978	40926	39672	1,194,106
563720	594764	293818	80102	53680	2,593,206
654106	643322	260216	65224	43950	2,257,786
409954	461268	112120	56300	49922	2,032,820
509192	240872	69736	36404	34262	1,674,800
449730	333468	117328	40586	39034	1,548,852
824032	718728	175390	63068	48784	2,905,228
552674	659854	148066	65210	47974	2,160,833
454010	376208	192504	67552	42946	1,766,536
243200	76792	35296	24426	25320	892,242
700486	367370	152598	60730	47302	2,336,520
247704	105072	41132	30872	29480	1,113,374
665294	725602	233700	74786	55734	2,677,270
852194	305656	118292	51462	41304	2,438,946
359418	285896	98288	36822	32488	1,336,000
295246	257382	79234	43256	34720	1,342,541
251538	110862	34670	23156	24046	946,844
564176	458224	154298	52212	41746	1,916,880
341610	538198	99610	40282	35556	1,580,350
229216	86240	37252	22622	24966	1,106,080
428528	363262	97334	39022	30052	1,585,108
625906	319284	82558	43272	40936	1,990,794
381192	178996	60820	25996	25958	1,167,414
711314	558138	201292	71190	46910	2,625,882
341836	136300	60358	28454	30436	1,379,002
434480	227258	64468	31480	38986	1,612,348

- (1) Mean of 4 High Years.
- (2) Substituted from 1906.
- (3) Substituted from 1900.
- (4) Missing Days substituted from 1900.
- (5) Missing Days substituted from 21 year mean.
- (6) Missing months substituted from 21 year mean.
- (7) Interpolated
- (8) Average of 5 short water years.

TOTAL MONTHLY FLOW OF BOISE RIVER - IN

FOR IRRIGATION YEARS BEGINNING 18

YEAR	October	November	December	January	February	March	April	May
1940-41	53,168	59,764	56,634	54,260	65,368	113,448	188,300	365,336
1941-42	48,552	63,200	106,838	62,182	62,162	87,804	341,622	325,676
1942-43	42,564	64,068	81,782	153,190	116,564	235,138	1,006,532	722,804
1943-44	61,802	70,704	55,768	49,412	52,610	68,094	164,000	303,208
1944-45	40,828	52,198	42,902	56,270	80,144	99,160	202,368	473,146
1945-46	45,822	53,670	74,712	79,530	65,804	218,604	639,804	651,660
1946-47	67,394	72,214	109,392	60,362	87,278	181,276	289,398	545,764
1947-48	56,244	57,582	55,516	65,522	60,480	73,396	264,424	505,792
1948-49	44,642	53,918	51,094	49,038	45,674	146,834	416,548	566,862
1949-50	49,224	55,212	51,216	63,188	71,410	154,558	409,786	559,496
1950-51	67,520	84,952	88,638	70,656	126,136	128,158	553,712	689,842

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET (Continued)

FOR IRRIGATION YEARS BEGINNING 1894-1895

February	March	April	May	June	July	August	September	TO
65,368	113,448	188,300	365,336	266,776	83,332	53,206	41,318	1,400
62,162	87,804	341,622	325,676	362,374	137,452	46,974	35,340	1,680
116,564	235,138	1,006,532	722,804	627,754	359,598	103,756	56,098	3,569
52,610	68,094	164,000	303,208	247,726	106,382	43,684	34,768	1,258
80,144	99,160	202,368	473,146	405,996	139,808	51,316	39,146	1,683
65,804	218,604	639,804	651,660	378,824	137,194	58,374	45,934	2,449
87,278	181,276	289,398	545,764	297,238	114,094	43,050	37,208	1,904
60,480	73,396	264,424	505,792	459,706	53,489	23,529	17,873	1,693
45,674	146,834	416,548	566,862	301,108	91,898	40,464	31,126	1,839
71,410	154,558	409,786	559,496	540,810	241,712	74,502	49,264	2,320
126,136	128,158	553,712	689,842	439,576	195,690	70,696	42,550	2,558

2,863
116,249

2,004, 3
flow in
1952 in

VER - IN ACRE FEET (Continued)

Chart No. 4-A

NNING 1894-1895

May	June	July	August	September	TOTAL
365,336	266,776	83,332	53,206	41,318	1,400,910
325,676	362,374	137,452	46,974	35,340	1,680,172
722,804	627,754	359,598	103,756	56,098	3,569,848-
303,208	247,726	106,382	43,684	34,768	1,258,158
473,146	405,996	139,808	51,316	39,146	1,683,282
651,660	378,824	137,194	58,374	45,934	2,449,932
545,764	297,238	114,094	43,050	37,208	1,904,668
505,792	459,706	53,489	23,529	17,873	1,693,553
566,862	301,108	91,898	40,464	31,126	1,839,206
559,496	540,810	241,712	74,502	49,264	2,320,378
689,842	439,576	195,690	70,696	42,550	2,558,126

2,863,930

$$116,249,939 \div 58 =$$

2,004,309 average
flow in AF 1895 to
1952 inc.

No.	Name of Canals	1	2	3	4	5	6	7	8	9	10	11
1.	New York Canal (MC #2)	1003	1020	1030	1020	1010	1017	1327	1487	1487	1470	728
2.	Penitentiary	0	0	0	0	0	0	0	0	0	0	0
3.	Bubb (South Boise)	0	0	0	0	0	0	0	0	0	0	10
4.	Ridenbaugh	0	0	0	0	0	0	0	0	100	144	128
5.	Settlers	0	0	0	0	0	0	0	0	0	0	0
6.	Thurman Mill	0	0	0	0	0	0	0	0	0	0	0
7.	Cruzen (Consumers)	0	0	0	0	0	0	0	0	0	0	0
8.	Boise City	0	0	0	0	0	0	0	0	0	0	0
9.	Farmers Union & B. V.	0	0	0	0	0	0	0	24	78	95	94
10.	New Union	0	0	0	0	0	0	0	0	0	0	0
11.	New Dry Creek	0	0	0	0	0	0	0	0	0	0	0
12.	Ballantine	0	0	0	0	0	0	0	0	0	0	0
13.	xMiddleton Canals	0	0	0	0	0	0	0	0	0	0	0
14.	Little Pioneer	0	0	0	0	0	0	0	0	0	34	34
15.	Canyon County	0	0	0	0	0	0	0	0	0	0	44
16.	xEagle Island Canals	0	0	0	0	0	0	0	0	0	0	0
17.	Phyllis	0	0	0	0	0	0	0	0	116	116	72
18.	Eureka #1	0	0	0	0	0	0	0	0	0	0	0
19.	Caldwell High Line	0	0	0	0	0	0	0	0	0	0	0
20.	Sebree (Farmers Coop.)	0	0	0	0	0	0	0	0	103	103	103
21.	Campbell	0	0	0	0	0	0	0	0	0	0	0
22.	Siebenberg	0	0	0	0	0	0	0	0	0	0	0
23.	Riverside #2	0	0	0	0	0	0	0	0	0	0	0
24.	Pioneer Dixie	0	0	0	0	0	0	0	0	0	0	0
25.	Eureka #2	0	0	0	0	0	0	0	0	0	0	27
26.	Upper Center Point	0	0	0	0	0	0	0	0	0	0	6
27.	Lower Center Point	0	0	0	0	0	0	0	0	0	0	0
28.	xMiscellaneous	0	0	0	0	0	0	0	0	0	0	0
	Total Canal Diversions	1003	1020	1030	1020	1010	1017	1327	1511	1884	1962	1246
29.	River at Notus	3080	3150	3400	4410	5510	5810	5620	5470	5200	5680	6420
	Totals	4083	4170	4430	5430	6520	6827	6947	6981	7084	7642	7666

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

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

xMiscellaneous 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 1951, INCLUDING STORAGE

APRIL

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
87	1470	728	913	1023	1094	1800	1791	2220	2477	2606	2711	2925	2835	2835
0	0	0	0	0	0	0	0	0	5	5	5	4	4	4
0	0	10	10	10	15	15	15	15	21	21	19	19	19	17
00	144	128	137	158	158	204	293	370	379	466	518	512	510	506
0	0	0	0	0	0	0	29	43	91	113	132	147	160	171
0	0	0	0	0	12	12	12	12	43	43	43	43	43	43
0	0	0	0	9	9	12	12	12	12	12	12	12	14	14
0	0	0	0	0	12	17	19	24	24	27	30	33	33	33
78	95	94	96	129	172	187	196	216	224	229	238	238	239	243
0	0	0	0	0	12	16	16	18	18	22	22	22	20	20
0	0	0	0	15	25	57	49	57	65	65	57	49	65	65
0	0	0	0	0	0	10	10	10	12	13	13	13	13	13
0	0	0	79	128	115	108	148	156	178	202	214	221	214	213
0	34	34	34	34	26	26	34	26	26	44	26	26	26	26
0	0	44	56	69	63	52	52	52	63	63	67	74	84	84
0	0	0	0	24	24	28	32	36	44	44	48	48	48	52
116	116	72	97	119	174	231	241	347	354	390	380	381	368	374
0	0	0	0	0	0	0	0	0	0	12	29	35	44	35
0	0	0	0	0	0	30	30	34	34	34	34	38	38	42
103	103	103	121	165	165	187	187	243	267	311	311	311	303	311
0	0	0	0	8	8	8	11	11	16	16	16	22	22	22
0	0	0	0	0	0	0	8	8	12	12	12	14	14	14
0	0	0	0	76	76	92	71	92	102	108	99	123	117	128
0	0	0	0	0	0	0	21	21	21	27	36	36	55	55
0	0	27	35	35	35	51	51	64	64	64	64	77	77	77
0	0	6	6	6	6	6	6	6	6	6	6	6	6	9
0	0	0	0	0	0	0	13	13	13	13	13	13	15	15
0	0	0	0	9	20	20	24	24	26	26	26	26	26	28
1884	1962	1246	1584	2017	2221	3169	3371	4130	4597	4994	5181	5468	5412	5449
5200	5680	6420	5920	5490	5410	4770	4170	3990	3970	3990	4040	4530	5110	5130
7084	7642	7666	7504	7507	7631	7939	7541	8120	8567	8984	9221	9998	10522	10579

a Co.

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

r Julia Davis.

20	21	22	23	24	25	26	27	28	29	30	Total
2711	2925	2835	2835	2875	2785	2819	2825	2825	2825	2768	57551
5	4	4	4	3	4	6	5	5	5	5	60
19	19	19	17	17	14	14	14	14	14	14	307
518	512	510	506	525	525	535	535	540	401	392	8036
132	147	160	171	180	190	190	190	190	147	147	2120
43	43	43	43	43	43	43	41	35	25	25	561
12	12	14	14	14	14	14	14	14	14	14	228
30	33	33	33	33	33	33	33	35	35	35	489
238	238	239	243	0	196	244	244	208	193	204	3987
22	22	20	20	18	18	18	18	18	18	18	312
57	49	65	65	65	65	65	65	65	49	49	992
13	13	13	13	13	13	13	13	13	13	13	198
214	221	214	213	221	219	221	211	209	183	183	3423
26	26	26	26	34	26	56	44	44	44	19	689
67	74	84	84	84	81	81	78	78	74	74	1373
48	48	48	52	53	55	55	58	58	58	58	823
380	381	368	374	422	433	433	430	372	341	345	6536
29	35	44	35	38	35	35	38	37	36	36	410
34	38	38	42	47	47	47	47	47	37	37	623
311	311	303	311	311	311	301	301	319	301	232	5267
16	22	22	22	22	20	20	20	20	20	16	298
12	14	14	14	8	8	8	8	8	8	6	148
99	123	117	128	149	144	162	170	167	167	180	2223
36	36	55	55	62	67	67	72	75	75	62	752
64	77	77	77	77	77	68	68	68	64	51	1194
6	6	6	9	9	13	13	15	15	15	9	170
13	13	15	15	17	17	17	17	17	17	13	223
26	26	26	28	28	28	28	28	28	28	28	451
5181	5468	5412	5449	5368	5481	5606	5602	5524	5207	5033	99444
4040	4530	5110	5130	5260	5870	5870	5720	6180	7440	6820	153430
9221	9998	10522	10579	10628	11351	11476	11322	11704	12647	11853	252874

Suckers.

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	11
1.	New York Canal (MC #2)	2735	2606	2606	2595	2606	2634	2690	2819	2853	2880	290
2.	Penitentiary	5	5	4	3	5	6	7	8	8	10	1
3.	Bubb (South Boise)	14	14	14	14	14	14	14	14	14	14	1
4.	Ridenbaugh	392	392	392	392	388	439	477	492	522	570	56
5.	Settlers	130	118	118	121	121	134	134	140	150	173	16
6.	Thurman Mill	15	15	15	25	25	25	32	37	43	47	47
7.	Cruzen (Consumers)	14	14	14	14	14	14	14	14	14	14	14
8.	Boise City	35	35	35	30	30	30	30	31	31	31	31
9.	Farmers Union & B. V.	172	172	172	172	195	195	205	205	216	245	221
10.	New Union	16	16	16	16	16	16	16	16	16	16	16
11.	New Dry Creek	47	47	47	47	47	47	59	59	59	59	46
12.	Ballantine	15	17	19	19	19	19	19	15	13	12	12
13.	xMiddleton Canals	149	152	149	149	151	146	156	143	169	184	181
14.	Little Pioneer	13	13	13	13	13	25	25	33	39	38	38
15.	Canyon County	74	74	74	74	74	71	71	71	71	63	63
16.	xEagle Island Canals	60	60	60	60	60	60	62	62	62	62	62
17.	Phyllis	299	297	294	294	303	315	331	340	350	371	342
18.	Eureka #1	34	31	31	31	34	34	34	34	34	31	32
19.	Caldwell High Line	36	36	36	36	35	35	45	45	44	51	50
20.	Sebree (Farmers Coop.)	220	218	218	213	213	269	269	299	295	291	286
21.	Campbell	14	14	14	11	11	11	11	11	14	14	14
22.	Siebenberg	6	6	6	6	6	4	4	4	4	4	4
23.	Riverside #2	165	155	155	155	155	166	162	162	162	159	159
24.	Pioneer Dixie	62	58	58	58	58	58	62	62	62	62	62
25.	Eureka #2	65	65	65	65	65	65	65	65	70	70	73
26.	Upper Center Point	9	9	13	13	13	13	13	15	15	15	15
27.	Lower Center Point	9	9	9	9	9	9	11	11	11	11	11
28.	xMiscellaneous	33	33	33	33	33	33	33	33	33	33	34
Total Canal Diversions		4838	4681	4680	4668	4713	4887	5051	5240	5374	5530	5475
29.	River at Notus	6400	6260	5980	5770	5520	4700	4480	3870	3030	3500	3820
Totals		11238	10941	10660	10438	10233	9587	9531	9110	8404	9030	9295

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

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

xMiscellaneous 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 1951, INCLUDING STORAGE

MAY

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2853	2880	2903	2830	2424	1939	1810	2103	2092	2215	2300	2285	2275	2513	2668
8	10	10	11	11	10	10	9	9	8	8	8	8	8	8
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
522	570	568	460	460	427	427	460	488	484	516	527	531	557	555
150	173	167	168	125	113	115	115	130	151	152	171	196	197	197
43	47	47	47	47	47	47	47	47	47	43	43	43	43	45
14	14	14	15	15	15	15	15	15	16	16	16	16	16	16
31	31	31	32	32	29	29	31	31	32	32	32	33	33	33
216	245	221	161	167	167	181	200	200	219	220	229	235	247	256
16	16	16	16	16	16	16	14	14	14	14	14	14	14	14
59	59	46	46	40	59	59	59	59	59	59	58	58	58	58
13	12	12	12	12	12	15	15	15	15	19	19	22	22	22
169	184	181	176	171	174	176	179	181	184	184	193	199	196	205
39	38	38	18	18	18	17	24	32	32	32	31	31	31	40
71	63	63	63	49	41	45	45	49	49	63	63	30	45	45
62	62	62	61	60	60	60	60	60	60	60	60	60	60	60
350	371	342	223	199	202	226	229	267	297	306	318	340	379	394
34	31	32	29	26	26	26	28	27	26	31	32	34	35	37
44	51	50	59	50	49	49	49	49	49	56	56	54	54	53
295	291	286	243	243	243	243	243	243	272	295	314	314	314	314
14	14	14	14	14	16	16	16	16	16	16	16	18	18	18
4	4	4	6	6	6	6	6	6	6	6	8	8	8	8
162	159	159	179	179	210	206	206	206	206	206	211	211	217	217
62	62	62	62	62	62	66	66	66	66	66	67	67	67	67
70	70	73	73	73	80	80	80	89	89	89	89	89	89	89
15	15	15	17	17	17	17	17	17	17	17	19	19	19	19
11	11	11	13	13	13	13	15	15	15	15	19	19	19	19
33	33	34	34	33	33	33	33	33	33	33	33	33	33	33
374	5530	5475	5082	4576	4098	4017	4378	4470	4691	4868	4945	4971	5306	5504
3030	3500	3820	6080	7270	7710	7760	7380	6400	5010	3820	3720	3630	3900	4630
404	9030	9295	11162	11846	11808	11777	11758	10870	9701	8688	8665	8601	9206	10134

Co.

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

Julia Davis.

Chart No. 5-A

20	21	22	23	24	25	26	27	28	29	30	31	Total
2285	2275	2513	2668	2679	2729	2668	2679	2695	2646	2646	2646	78769
8	8	8	8	8	8	8	8	9	9	9	9	247
14	14	14	14	14	14	14	14	12	12	12	12	426
527	531	557	555	558	557	574	579	561	563	575	575	15458
171	196	197	197	199	199	200	200	202	202	202	202	4942
43	43	43	45	45	49	49	49	53	53	53	53	1276
16	16	16	16	17	17	17	17	18	18	18	18	480
32	33	33	33	34	34	34	34	35	35	33	33	1000
229	235	247	256	258	259	261	263	256	256	251	251	6707
14	14	14	14	14	14	12	12	12	12	12	12	452
58	58	58	58	58	58	58	58	76	75	75	75	1769
19	22	22	22	22	22	22	22	22	22	22	22	555
193	199	196	205	220	229	234	232	241	229	222	205	5759
31	31	31	40	51	39	50	39	39	49	49	49	952
63	30	45	45	55	63	84	84	91	100	100	100	2044
60	60	60	60	60	60	60	60	60	60	60	60	1871
318	340	379	394	402	399	412	408	388	385	364	347	10021
32	34	35	37	38	38	32	32	31	32	32	32	984
58	54	54	53	53	51	60	58	58	56	56	56	1524
314	314	314	314	343	337	337	337	337	340	340	340	8783
16	18	18	18	18	18	18	18	20	20	20	20	485
8	8	8	8	8	8	8	8	8	17	17	17	215
211	211	217	217	217	217	217	231	247	237	249	262	6086
67	67	67	67	67	75	75	75	75	85	85	85	2068
89	69	89	89	89	89	89	85	85	85	80	80	2424
19	19	19	19	19	19	19	19	19	19	19	19	507
19	19	19	19	19	19	22	22	25	31	31	37	503
33	33	33	33	33	33	33	33	33	33	33	33	1025
4945	4971	5306	5504	5598	5654	5667	5676	5708	5681	5665	5650	157342
3720	3630	3900	4630	5600	5850	6020	6180	6600	6780	6900	6980	171550
8665	8601	9206	10134	11198	11504	11687	11856	12308	12461	12565	12630	328892

Suckers.

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	1
1.	New York Canal (MC #2)	2634	2651	2673	2673	2667	2746	2746	2657	2578	2425	242
2.	Penitentiary	9	9	7	7	7	7	10	10	10	10	1
3.	Bubb (South Boise)	12	12	12	12	12	12	12	12	12	13	1
4.	Ridenbaugh	573	564	563	558	556	555	508	511	508	508	50
5.	Settlers	199	199	199	199	199	167	155	155	155	152	15
6.	Thurman Mill	47	47	45	45	41	37	32	32	32	29	2
7.	Cruzen (Consumers)	18	18	18	18	18	18	18	18	18	18	1
8.	Boise City	33	33	33	34	34	34	34	33	33	34	34
9.	Farmers Union & B.V.	251	251	251	125	214	224	218	228	197	198	219
10.	New Union	12	12	12	12	14	14	14	14	16	16	16
11.	New Dry Creek	75	75	75	75	74	74	74	52	68	68	68
12.	Ballantine	23	23	15	15	15	15	15	23	23	23	23
13.	xMiddleton Canals	217	217	210	189	185	170	187	170	175	173	167
14.	Little Pioneer	49	49	38	38	38	30	0	38	38	38	38
15.	Canyon County	91	91	72	72	65	53	53	53	53	65	65
16.	xEagle Island Canals	58	58	58	58	58	54	54	54	52	50	42
17.	Phyllis	336	326	326	302	290	275	246	257	266	256	284
18.	Eureka #1	41	42	41	40	41	34	31	23	23	33	34
19.	Caldwell High Line	65	65	65	56	56	36	36	47	47	47	46
20.	Sebree (Farmers Coop.)	333	324	307	305	301	309	281	281	277	277	269
21.	Campbell	20	18	18	16	16	12	12	12	12	16	22
22.	Siebenberg	17	17	8	8	8	8	2	2	2	2	6
23.	Riverside #2	269	247	255	235	245	249	235	235	221	221	221
24.	Pioneer Dixie	75	75	67	67	51	47	47	47	47	47	47
25.	Eureka #2	80	70	70	68	68	51	51	51	51	51	53
26.	Upper Center Point	21	21	21	19	15	15	11	9	9	9	9
27.	Lower Center Point	33	33	27	27	21	8	8	8	8	8	8
28.	xMiscellaneous	29	29	29	29	28	27	27	27	27	27	27
	Total Canal Diversions	5620	5576	5515	5302	5337	5301	5117	5059	4958	4814	4854
29.	River at Notus	6880	5960	5790	5470	2550	2200	3290	3480	3350	2920	2690
	Totals	12500	11536	11305	10772	7887	7501	8407	8539	8308	7734	7544

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

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

xMiscellaneous 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 1951, INCLUDING STORAGE

JUNE

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
2425	2425	2413	2583	2651	2611	2780	2775	2718	2775	2775	2775	2775	2775	2775
10	10	10	10	11	11	11	12	12	12	12	12	12	12	12
13	13	13	13	13	14	14	15	16	16	19	19	19	19	19
508	505	511	514	522	539	550	546	552	535	562	565	570	569	569
152	159	159	159	169	182	182	189	196	196	196	196	196	196	196
29	26	25	23	25	25	29	29	35	35	38	38	35	35	33
18	18	18	16	18	18	20	20	20	20	20	20	20	20	20
34	34	34	33	33	33	33	34	33	34	34	35	34	35	35
198	219	229	240	241	250	249	250	255	256	255	258	257	256	256
16	16	16	16	18	18	18	18	18	18	18	18	18	16	16
68	68	68	68	68	70	71	72	71	71	71	72	72	49	78
23	23	23	23	23	23	23	23	23	23	23	23	23	23	19
173	167	180	175	171	179	181	184	184	179	191	189	189	143	181
38	38	43	43	42	42	48	38	48	48	28	37	15	15	15
65	65	65	65	65	72	72	78	78	78	78	84	84	84	84
50	42	42	38	38	38	44	50	50	50	50	50	50	50	50
256	284	286	305	334	374	372	373	374	381	395	412	413	406	428
33	34	34	34	34	35	35	37	34	35	35	34	33	32	40
47	46	46	46	45	39	38	37	40	39	42	41	44	43	36
277	269	274	265	267	309	317	313	319	317	321	313	322	309	311
16	22	22	22	22	22	22	22	22	23	23	23	23	23	23
2	6	6	6	6	16	16	16	12	12	8	4	4	4	4
221	221	202	202	202	197	197	193	201	213	231	225	255	255	255
47	47	47	47	47	47	47	51	51	51	51	57	57	57	57
51	53	53	53	76	88	88	88	88	88	76	76	68	68	72
9	9	15	15	17	17	25	25	25	25	19	19	22	22	22
8	8	8	8	8	8	8	8	8	11	11	11	22	22	27
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
4814	4854	4869	5049	5193	5304	5517	5523	5510	5568	5609	5633	5659	5565	5660
2920	2690	2140	1770	1550	1340	1800	3720	4880	3470	3140	2240	2080	1010	914
7734	7544	7009	6819	6743	6644	7317	9243	10390	9038	8749	7873	7739	6575	6574

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

a Davis.

	22	23	24	25	26	27	28	29	30	Total
1	2775	2775	2775	2775	2775	2775	2775	2775	2775	80706
2	12	12	12	12	12	12	12	12	12	317
9	19	19	19	16	16	16	16	16	16	439
5	570	569	569	571	569	569	581	578	578	16459
6	196	196	196	199	199	199	199	199	199	5564
8	35	35	33	33	33	33	33	35	35	1020
0	20	20	20	20	20	20	20	20	20	568
5	34	35	35	35	33	33	33	33	33	1009
8	257	256	256	257	258	259	260	261	262	7185
8	18	16	16	14	14	14	16	16	16	468
2	72	49	78	71	71	71	71	71	71	2105
3	23	23	19	17	17	25	25	25	17	634
9	189	143	181	196	217	213	213	213	210	5648
7	15	15	15	15	48	48	37	48	54	1106
4	84	84	84	74	74	85	90	90	90	2223
0	50	50	50	50	50	50	50	50	50	1496
2	413	406	428	413	414	404	412	408	410	10478
4	33	32	40	35	44	44	44	44	44	1090
1	44	43	36	35	38	46	50	47	44	1362
3	322	309	311	314	321	330	329	329	325	9169
3	23	23	23	18	18	17	17	17	17	570
4	4	4	4	4	4	6	6	6	6	226
5	255	255	255	255	255	224	224	224	224	6867
7	57	57	57	57	57	62	62	62	62	1646
6	68	68	72	72	72	78	78	78	78	2102
9	22	22	22	26	26	26	26	26	26	583
1	22	22	27	35	35	41	41	31	25	557
7	27	27	27	27	27	27	27	27	27	819
3	5659	5565	5660	5646	5717	5727	5747	5741	5726	162416
0	2080	1010	914	956	728	897	848	1010	1120	80193
3	7739	6575	6574	6602	6445	6624	6595	6751	6846	242609

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	
1.	New York Canal (MC #2)	2796	2812	2796	2796	2796	2807	2696	2696	2701	2606	26
2.	Penitentiary	12	9	9	9	9	9	10	10	10	11	
3.	Bubb(South Boise)	14	14	14	14	14	14	14	14	13	13	
4.	Ridenbaugh	585	580	581	585	580	583	573	583	590	587	5
5.	Settlers	197	197	197	197	197	196	195	194	193	193	1
6.	Thurman Mill	37	37	37	35	35	35	35	35	35	35	
7.	Cruzen (Consumers)	20	19	19	19	19	19	19	19	17	17	
8.	Boise City	33	35	35	35	35	34	35	35	35	34	
9.	Farmers Union & B.V.	264	265	265	265	255	255	255	257	256	256	25
10.	New Union	17	19	19	19	19	19	20	20	20	0	2
11.	New Dry Creek	70	70	70	70	70	69	69	60	70	72	7
12.	Ballantine	15	14	14	14	14	14	14	12	12	10	
13.	xMiddleton Canals	209	207	207	207	198	198	203	202	204	203	17
14.	Little Pioneer	42	48	54	48	48	37	37	53	55	53	3
15.	Canyon County	74	71	78	78	80	63	63	45	63	89	8
16.	xEagle Island Canals	48	48	48	48	48	48	48	48	48	48	48
17.	Phyllis	408	408	410	375	395	388	391	400	405	398	402
18.	Eureka #1	44	44	44	46	40	40	40	38	39	44	44
19.	Caldwell High Line	34	31	29	27	42	42	36	36	35	40	39
20.	Sebree (Farmers Coop.)	324	321	330	330	330	324	324	327	324	317	327
21.	Campbell	18	18	20	20	20	20	22	22	22	22	22
22.	Siebenberg	6	6	17	17	23	23	8	8	8	17	17
23.	Riverside #2	237	243	269	269	279	279	279	279	272	260	239
24.	Pioneer Dixie	75	75	75	75	80	80	80	80	72	72	58
25.	Eureka #2	68	68	68	68	68	68	68	72	88	88	94
26.	Upper Center Point	25	25	23	23	16	16	16	19	19	24	24
27.	Lower Center Point	21	21	17	17	17	12	12	12	12	19	28
28.	xMiscellaneous	26	26	26	26	26	26	26	26	26	26	26
	Total Canal Diversions	5719	5731	5771	5732	5753	5718	5588	5602	5644	5554	5518
29.	River at Notus	956	872	816	897	1090	956	712	603	549	504	406
	Totals	6675	6603	6587	6629	6843	6674	6300	6205	6193	6058	5924

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

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

xMiscellaneous 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 1951, INCLUDING STORAGE

JULY

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2701	2606	2611	2656	2656	2645	2628	2601	2545	2545	2657	2606	2639	2628	2611
10	11	11	11	11	11	11	11	9	10	0	8	8	6	6
13	13	13	13	13	13	13	18	18	18	18	18	18	18	15
590	587	589	587	585	585	583	584	586	591	589	593	589	593	592
193	193	193	192	195	197	197	196	197	197	197	196	197	197	198
35	35	35	35	33	33	33	30	30	31	31	31	32	32	32
17	17	17	17	17	18	18	18	18	18	18	18	18	18	18
35	34	34	34	35	33	33	33	33	33	33	35	34	35	35
256	256	256	259	259	259	259	260	260	259	259	256	257	257	256
20	0	20	20	20	20	20	21	21	21	21	21	21	21	19
70	72	71	70	71	70	69	68	68	64	69	70	63	64	65
12	10	0	12	12	14	14	17	17	17	17	17	17	15	13
204	203	174	147	165	158	171	170	171	170	171	170	169	167	166
55	53	37	0	33	37	37	37	35	35	33	27	35	35	32
63	89	89	89	89	89	49	87	87	87	87	89	90	90	90
48	48	48	48	48	48	48	46	46	46	46	46	46	46	46
405	398	402	406	412	410	412	411	410	415	415	413	417	413	404
39	44	44	44	44	44	44	43	44	35	35	35	35	35	34
35	40	39	38	55	53	50	48	48	47	45	51	50	48	47
324	317	327	324	324	325	324	325	333	327	330	332	343	340	338
22	22	22	24	24	24	24	24	24	16	18	18	18	18	18
8	17	17	17	17	17	8	8	8	8	8	8	8	8	8
272	260	239	239	239	239	239	239	239	222	209	201	214	221	221
72	72	58	58	58	58	58	58	58	62	75	83	83	83	83
88	88	94	106	100	92	92	92	92	92	92	92	92	92	92
19	24	24	24	24	24	24	24	24	18	18	18	18	18	18
12	19	28	28	19	17	10	10	10	10	10	10	17	17	19
26	26	26	26	26	26	26	26	25	25	25	25	25	25	25
5644	5554	5513	5524	5584	5559	5494	5505	5456	5419	5526	5487	5553	5540	5501
549	504	406	232	250	185	161	170	136	109	80	80	98	141	210
6193	6058	5924	5756	5834	5744	5655	5675	5592	5528	5606	5567	5651	5681	5711

h Co.

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

or Julia Davis.

20	21	22	23	24	25	26	27	28	29	30	31	Total
2606	2639	2628	2611	2606	2578	2611	2628	2662	2634	2623	2472	82344
8	8	6	6	6	6	6	6	6	6	6	6	259
18	18	18	15	15	15	15	15	15	15	12	12	458
593	589	593	592	578	538	570	556	553	556	547	553	17924
196	197	197	198	197	197	196	195	194	194	194	194	6066
31	32	32	32	32	32	29	27	25	25	21	21	986
18	18	18	18	18	18	18	18	17	17	17	17	558
35	34	35	35	35	35	35	35	35	35	34	35	1065
256	257	257	256	255	223	222	222	221	221	226	229	7768
21	21	21	19	19	19	19	19	19	19	17	17	586
70	63	64	65	65	65	65	66	66	59	60	62	2080
17	17	15	13	13	13	13	13	13	13	12	12	417
170	169	167	166	162	158	157	131	129	153	157	156	5410
27	35	35	32	32	32	0	35	32	35	35	35	1124
89	90	90	90	90	87	87	87	0	0	0	61	2228
46	46	46	46	46	46	46	44	44	44	44	44	1446
413	417	413	404	390	390	387	373	375	364	364	357	12318
35	35	35	34	34	34	34	32	30	34	34	31	1198
51	50	48	47	53	51	50	48	41	45	58	58	1375
332	343	340	338	335	337	337	333	327	327	327	324	10190
18	18	18	18	18	17	17	17	17	17	17	17	613
8	8	8	8	8	11	11	11	11	11	11	11	358
201	214	221	221	221	230	219	222	230	241	241	241	7472
83	83	83	83	83	83	94	91	83	72	72	72	2289
92	92	92	92	94	94	94	88	88	88	88	88	2666
18	18	18	18	18	18	18	18	18	18	18	18	626
10	17	17	19	19	27	27	27	27	27	27	27	573
25	25	25	25	25	25	25	25	25	25	25	25	791
5487	5553	5540	5501	5467	5379	5402	5382	5303	5295	5287	5195	171188
80	98	141	210	191	196	234	204	183	196	210	185	11812
5567	5651	5681	5711	5658	5575	5636	5586	5486	5491	5497	5380	183000

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	
1.	New York Canal (MC #2)	2446	2332	2316	2311	2347	2306	2327	2348	2400	2431	2
2.	Penitentiary	6	6	6	6	7	7	7	7	7	9	
3.	Bubb (South Boise)	14	14	14	14	14	14	14	14	14	14	
4.	Ridenbaugh	544	553	546	546	546	547	554	545	552	539	5
5.	Settlers	192	191	190	191	190	189	189	185	185	185	1
6.	Thurman Mill	23	25	25	28	28	28	28	28	31	31	
7.	Cruzen (Consumers)	17	17	17	17	16	16	16	16	16	16	
8.	Boise City	35	35	35	36	36	36	38	37	35	35	
9.	Farmers Union & B. V.	228	226	225	221	220	219	219	224	215	215	20
10.	New Union	17	17	17	19	19	21	21	19	19	17	1
11.	New Dry Creek	63	63	62	62	63	63	63	63	58	58	5
12.	Ballantine	12	12	13	13	13	13	13	13	13	13	1
13.	xMiddleton Canals	163	166	166	169	166	161	158	156	154	152	14
14.	Little Pioneer	45	41	35	35	31	40	35	35	35	44	4
15.	Canyon County	63	63	65	67	67	74	78	78	76	78	76
16.	xEagle Island Canals	42	42	42	42	42	42	42	42	42	42	39
17.	Phyllis	358	360	358	351	342	348	351	354	321	337	310
18.	Eureka #1	33	33	33	33	33	33	35	35	34	30	30
19.	Caldwell High Line	43	50	58	56	56	47	41	40	46	44	51
20.	Sebree (Farmers Coop.)	317	325	324	324	321	317	311	305	297	297	307
21.	Campbell	11	14	14	14	14	14	14	14	16	16	16
22.	Siebenberg	16	16	16	16	16	6	6	6	4	4	4
23.	Riverside #2	242	249	249	249	225	225	218	218	218	218	214
24.	Pioneer Dixie	66	59	59	59	59	59	58	58	58	58	62
25.	Eureka #2	88	88	88	88	88	88	81	81	81	81	81
26.	Upper Center Point	18	18	18	18	15	15	13	13	13	15	15
27.	Lower Center Point	27	27	27	27	27	27	30	30	30	30	25
28.	xMiscellaneous	23	23	23	23	23	23	23	23	23	21	21
	Total Canal Diversions	5152	5065	5041	5035	5024	4978	4983	4987	4995	5030	5055
29.	River at Notus	188	219	254	260	285	292	288	260	207	166	112
	Totals	5340	5284	5295	5295	5309	5270	5271	5247	5202	5196	5167

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

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

xMiscellaneous 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 1951, INCLUDING STORAGE

AUGUST

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2400	2431	2493	2498	2558	2532	2664	2511	2462	2431	2374	2553	2498	2550	2488
7	9	9	10	10	10	10	10	10	10	10	10	10	10	10
14	14	14	14	13	13	13	13	13	13	13	10	10	10	10
552	539	527	524	522	509	502	501	501	507	510	513	513	515	517
185	185	185	177	178	176	175	173	172	172	171	171	169	130	128
31	31	31	31	31	31	31	31	31	31	27	24	24	24	24
16	16	16	16	16	16	16	16	16	14	14	13	13	13	13
35	35	35	35	37	36	36	36	22	21	21	20	21	21	21
215	215	214	214	214	214	213	213	212	212	211	211	210	210	203
19	17	17	15	14	14	14	14	14	14	10	10	10	10	10
58	58	58	58	58	46	46	46	46	53	53	54	54	54	54
13	13	13	13	13	15	15	16	16	16	16	16	18	18	18
154	152	146	146	145	119	119	119	119	116	116	118	118	118	118
35	44	44	26	26	24	22	25	13	21	25	18	17	16	16
78	78	78	78	73	65	65	65	65	58	63	63	59	59	62
42	42	39	39	39	39	39	39	39	39	39	39	39	39	39
321	337	310	324	344	345	339	359	364	342	356	363	366	365	347
34	30	30	31	33	30	29	30	29	23	19	23	25	26	27
46	44	51	50	50	48	48	27	27	37	27	46	46	46	62
297	297	307	305	307	307	307	309	311	305	303	309	311	313	319
16	16	16	22	22	22	25	25	25	25	25	25	25	24	24
4	4	4	4	4	4	8	11	11	11	11	11	11	16	16
218	218	214	214	210	203	203	180	180	188	190	190	190	188	188
58	58	62	62	66	73	73	81	81	73	71	71	71	71	71
81	81	81	81	81	81	81	81	81	81	81	81	81	74	74
13	15	15	18	18	18	18	22	22	22	22	22	22	22	22
30	30	25	25	17	17	17	17	17	17	17	17	17	15	15
23	21	21	21	21	21	21	21	21	21	21	21	21	21	21
4995	5030	5055	5051	5120	5028	5149	4991	4920	4873	4816	5022	4969	4978	4917
207	166	112	109	110	130	158	156	149	122	112	103	114	109	145
5202	5196	5167	5160	5230	5158	5307	5147	5069	4995	4928	5125	5083	5087	5062

itch Co.

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

s or Julia Davis.

PAGE

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
74	2553	2498	2550	2488	2472	2295	2185	2135	2002	1819	1759	1768	72611
10	10	10	10	10	10	10	10	10	10	10	10	10	277
13	10	10	10	10	10	10	10	16	16	16	16	16	409
10	513	513	515	517	513	513	504	504	504	508	511	514	16204
71	171	169	130	128	128	126	126	125	129	131	131	121	5081
27	24	24	24	24	24	24	24	23	23	23	23	23	833
14	13	13	13	13	13	13	13	12	12	12	12	12	455
21	20	21	21	21	21	22	21	22	22	22	22	22	894
11	211	210	210	203	201	193	193	186	193	193	193	193	6508
10	10	10	10	10	10	10	10	12	12	12	12	12	442
53	54	54	54	54	54	54	54	54	54	54	54	42	1718
16	16	18	18	18	18	18	18	18	18	18	18	18	475
16	118	118	118	118	115	118	118	118	109	104	84	84	4078
25	18	17	16	16	19	22	22	22	24	23	26	31	858
63	63	59	59	62	62	62	62	62	62	62	62	62	2060
39	39	39	39	39	39	39	39	39	39	34	34	32	1222
56	363	366	365	347	327	303	284	287	273	274	277	261	10290
19	23	25	26	27	27	27	30	27	25	24	24	25	896
27	46	46	46	62	62	62	63	63	63	47	47	47	1500
103	309	311	313	319	319	317	317	314	299	297	297	297	9608
25	25	25	24	24	24	24	24	24	24	24	24	24	638
11	11	11	16	16	16	16	16	6	6	6	6	6	306
90	190	190	188	188	188	193	193	193	193	193	193	138	6333
71	71	71	71	71	71	66	66	66	66	66	66	66	2052
81	81	81	74	74	74	74	74	74	74	74	74	74	2483
22	22	22	22	22	22	22	22	22	22	24	24	24	601
17	17	17	15	15	15	15	15	15	15	18	18	18	644
21	21	21	21	21	21	21	21	21	21	21	21	21	669
16	5022	4969	4978	4917	4875	4669	4534	4470	4310	4109	4038	3961	150145
12	103	114	109	145	260	300	328	340	340	336	323	328	6603
28	5125	5083	5087	5062	5135	4969	4862	4810	4650	4445	4361	4289	156748

Ten Suckers.

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10	
1.	New York Canal (MC #2)	1736	1722	1754	1671	1666	1726	1717	1872	1782	1745	1
2.	Penitentiary	10	10	10	10	8	7	7	7	7	7	
3.	Bubb (South Boise)	12	12	12	12	12	12	12	12	12	6	
4.	Ridenbaugh	519	503	446	444	450	461	467	462	459	462	
5.	Settlers	121	121	109	108	107	107	106	106	107	110	
6.	Thurman Mill	23	23	21	21	21	21	21	21	21	15	
7.	Cruzen (Consumers)	13	13	13	13	14	14	14	15	15	16	
8.	Boise City	24	24	24	24	24	24	25	25	23	23	
9.	Farmers Union & B. V.	190	190	190	190	192	186	180	0	0	120	1
10.	New Union	14	14	14	14	14	14	14	14	14	14	
11.	New Dry Creek	50	50	50	50	49	49	49	49	48	48	4
12.	Ballantine	15	15	13	13	13	14	14	14	14	14	1
13.	xMiddleton Canals	91	96	101	104	112	115	115	118	112	107	9
14.	Little Pioneer	27	33	29	30	31	33	33	24	33	24	2
15.	Canyon County	65	65	65	67	67	56	55	63	70	74	5
16.	xEagle Island Canals	29	29	28	28	28	28	28	28	28	28	28
17.	Phyllis	266	262	268	277	273	274	292	301	298	299	297
18.	Eureka #1	25	24	23	19	20	19	20	17	17	19	18
19.	Caldwell High Line	47	46	46	46	40	30	29	39	38	33	32
20.	Sebree (Farmers Coop.)	295	295	291	284	281	272	274	284	284	269	284
21.	Campbell	24	22	18	18	16	16	22	28	28	28	27
22.	Siebenberg	6	6	8	8	8	8	12	19	19	19	17
23.	Riverside #2	138	138	138	178	196	211	211	221	221	221	221
24.	Pioneer Dixie	66	66	66	66	63	63	63	63	63	63	63
25.	Eureka #2	74	74	74	74	74	74	74	65	65	65	65
26.	Upper Center Point	21	21	19	19	19	19	19	29	25	25	21
27.	Lower Center Point	18	18	18	18	18	18	18	18	18	18	15
28.	xMiscellaneous	19	18	17	17	15	15	15	15	15	15	15
	Total Canal Diversions	3938	3910	3865	3823	3831	3886	3906	3929	3836	3887	3916
29.	River at Notus	307	303	300	257	250	240	202	183	186	292	277
	Totals	4245	4213	4165	4080	4081	4126	4108	4112	4024	4179	4193

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

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

xMiscellaneous 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 1951, INCLUDING STORAGE

SEPTEMBER

10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1745	1740	1699	1736	1731	1716	1763	1763	2035	2040	2185	2130	2100	2175	2130
7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
6	6	6	6	6	6	6	9	9	9	7	7	7	7	7
462	462	462	462	459	449	451	438	404	408	383	414	402	390	387
110	109	109	108	103	103	104	105	101	96	96	95	91	90	90
15	17	17	17	17	17	17	17	19	19	19	19	19	19	19
16	16	16	17	17	17	17	18	18	18	18	18	18	18	18
23	24	25	25	26	26	25	25	25	25	25	25	25	26	26
120	180	174	174	174	174	174	174	167	167	162	162	162	162	162
14	13	13	13	13	13	13	13	13	9	9	9	9	9	9
48	47	47	46	47	46	46	45	45	45	45	45	45	34	34
14	14	14	14	12	12	12	12	12	12	12	12	12	12	12
107	98	98	96	93	84	81	79	69	79	93	98	104	104	104
24	24	24	24	24	24	24	24	18	21	21	18	24	24	23
74	56	56	56	58	58	58	54	54	54	54	54	54	50	50
28	28	28	28	28	28	28	28	28	28	28	28	28	28	28
299	297	293	287	269	267	267	227	211	213	213	211	216	213	208
19	18	19	19	19	19	19	18	18	19	19	18	19	19	18
33	32	42	37	37	36	36	36	35	35	36	31	31	27	32
269	284	281	284	289	281	284	269	269	274	267	267	272	277	277
28	27	27	22	22	16	16	16	16	16	16	22	29	22	16
19	17	8	8	8	8	8	8	8	8	8	8	17	17	17
221	221	226	218	218	218	204	204	211	203	203	203	191	191	176
63	63	58	58	58	58	58	58	51	51	51	51	51	51	51
65	65	65	65	65	65	65	65	65	65	65	65	65	65	65
25	21	15	15	15	9	9	9	9	9	9	15	15	26	26
18	15	15	15	15	15	15	15	15	15	15	13	13	13	13
15	15	15	15	15	15	15	15	15	15	15	15	15	15	15
3887	3916	3859	3872	3845	3787	3822	3751	3947	3960	4081	4060	4041	4091	4020
292	277	254	257	288	300	288	307	319	315	292	285	307	319	315
4179	4193	4113	4129	4133	4087	4110	4058	4266	4275	4373	4345	4348	4410	4335

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

la Davis.

Chart No. 5-E

	22	23	24	25	26	27	28	29	30	Total
1	2100	2175	2130	2065	2065	2085	2065	1997	1871	56482
0	7	7	7	7	7	7	7	7	7	223
7	7	7	7	7	7	7	7	7	7	254
4	402	390	387	387	379	362	365	350	350	12837
5	91	90	90	82	81	72	71	71	71	2950
9	19	19	19	19	19	19	19	19	19	574
8	18	18	18	18	18	18	18	18	18	492
5	25	26	26	26	26	26	26	26	26	749
2	162	162	162	169	169	169	164	158	158	4793
9	9	9	9	9	9	9	9	9	9	352
5	45	34	34	34	34	34	34	34	34	1313
2	12	12	12	12	12	12	12	12	12	385
8	104	104	104	107	107	107	107	107	107	2993
8	24	24	23	23	24	23	23	18	18	743
4	54	50	50	50	50	50	50	50	50	1713
8	28	28	28	28	28	28	28	28	28	842
1	216	213	208	208	174	174	174	178	182	7292
3	19	19	18	18	18	18	18	18	18	572
1	31	27	32	32	32	32	32	32	32	1069
7	272	277	277	277	260	245	243	248	248	8225
2	29	22	16	16	16	16	16	16	16	599
3	17	17	17	6	6	6	6	6	6	297
3	191	191	176	176	176	176	176	176	176	5816
1	51	51	51	51	51	51	51	51	51	1716
5	65	65	65	65	65	65	51	51	51	1971
6	15	26	26	21	19	13	13	13	13	510
8	13	13	13	13	13	13	13	13	13	460
5	15	15	15	15	15	15	15	15	15	461
4041	4091	4020	3941	3880	3852	3813	3728	3606		116683
307	319	315	319	328	340	348	357	362		8699
4348	4410	4335	4260	4208	4192	4161	4085	3968		125382

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1951

NO.	NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
1.	Board of Control (MC #2)	115102	157538	161412	164688	145222	112964
2.	Penitentiary	120	494	634	518	554	446
3.	Eubb (South Boise)	614	852	878	916	818	508
4.	Ridenbaugh	16072	30916	32918	35848	32408	25674
5.	Settlers	4240	9884	11128	12132	10162	5900
6.	Thurman Mill	1122	2552	2040	1972	1666	1148
7.	Consumers	456	960	1136	1116	910	984
8.	Boise City	978	2000	2018	2130	1788	1498
9.	Farmers Union	6632	11012	11518	12698	10884	8084
10.	Boise Valley	1342	2402	2852	2838	2132	1502
11.	New Union	624	904	936	1172	884	704
12.	New Dry Creek	1984	3538	4210	4160	3436	2626
13.	Ballantine	396	1110	1268	834	950	770
14.	Middleton Canals	6846	11518	11296	10820	8156	5986
15.	Little Pioneer	1378	1904	2212	2248	1716	1486
16.	Canyon County	2746	4088	4446	4456	4120	3426
17.	Eagle Island Canals	1646	3742	2992	2892	2444	1684
18.	Phyllis	13072	20042	20956	24636	20580	14584
19.	Eureka #1	820	1968	2180	2396	1792	1144
20.	Caldwell High Line	1246	3048	2724	2750	3000	2138
21.	Farmers Coop.	10534	17566	18338	20380	19216	16450
22.	Campbell (Canyon)	596	970	1140	1226	1276	1198
23.	Siebenberg	296	450	452	716	612	594
24.	Riverside	4446	12172	13734	14944	12666	11632
25.	Pioneer Dixie	1504	4136	3292	4578	4104	3432
26.	Eureka #2	2388	4848	4204	5320	4966	3942
27.	Upper Center Point	340	1014	1166	1252	1202	1020
28.	Lower Center Point	446	1006	1114	1146	1288	920
29.	Miscellaneous	902	2050	1638	1582	1338	922
	Totals	198888	314684	324832	342364	300290	233366

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

DURING IRRIGATION SEASON OF 1951

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTALS
115102	157538	161412	164688	145222	112964	856926
120	494	634	518	554	446	2766
614	852	878	916	818	508	4586
16072	30916	32918	35848	32408	25674	173836
4240	9884	11128	12132	10162	5900	53446
1122	2552	2040	1972	1666	1148	10500
456	960	1136	1116	910	984	5562
978	2000	2018	2130	1788	1498	10412
6632	11012	11518	12698	10884	8084	60828
1342	2402	2852	2838	2132	1502	13068
624	904	936	1172	884	704	5224
1984	3538	4210	4160	3436	2626	19954
396	1110	1268	834	950	770	5328
6846	11518	11296	10820	8156	5986	54622
1378	1904	2212	2248	1716	1486	10944
2746	4088	4446	4456	4120	3426	23282
1646	3742	2992	2892	2444	1684	15400
13072	20042	20956	24636	20580	14584	113870
820	1968	2180	2396	1792	1144	10300
1246	3048	2724	2750	3000	2138	14906
10534	17566	18338	20380	19216	16450	102484
596	970	1140	1226	1276	1198	6406
296	450	452	716	612	594	3120
4446	12172	13734	14944	12666	11632	69594
1504	4136	3292	4578	4104	3432	21046
2388	4848	4204	5320	4966	3942	25668
340	1014	1166	1252	1202	1020	5994
446	1006	1114	1146	1288	920	5920
902	2050	1638	1582	1338	922	8432
198888	314684	324832	342364	300290	233366	1714424

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

Total Summer Diversions

April 1 to September 30 978,838 1,217,572 1,058,228 1,279,916 1,176,828 1,254,640 1,361,022 1,305,946 1

New York Canal Diversions

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

Irrigation Requirements Below Diversion

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

Amount Passing Diversion Dam

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

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

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

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

Combined with Board of Control

BOISE RIVER CANAL DIVERSIONS IN ACRE FEET

APRIL 1ST TO SEPTEMBER 30TH - BEGINNING 1915

1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931
1,608	553,022	643,878	201,622	611,376	375,000	642,778	576,716	574,030	520,146	355,500
1,512	67,838	71,808	35,298	60,074	29,836	60,788	51,718	41,366	35,978	24,600
1,032	2,940	3,100	772	2,122	1,734	1,954	2,144	1,650	1,492	1,400
1,892	3,212	4,048	2,818	3,202	2,834	3,348	3,712	3,688	3,558	2,900
1,616	120,472	135,908	87,636	135,696	108,210	132,334	132,446	120,884	129,062	102,500
1,384	44,966	47,634	31,326	52,862	35,728	47,830	43,340	41,540	35,554	29,600
1,630	6,686	9,316	7,244	8,976	8,770	7,972	9,516	9,784	8,748	8,700
1,530	23,024	19,344	12,560	12,646	10,190	8,816	8,350	6,808	8,584	8,300
1,896	2,032	1,530	8,498	9,582	8,774	9,036	7,300	8,960	8,938	8,400
1,360	38,982	44,270	24,426	46,786	22,898	44,984	37,562	33,376	35,482	23,800
1,880	4,880	5,368	3,280	4,000	4,434	3,388	4,240	3,100	3,880	3,200
1,142	15,416	17,142	14,178	12,720	14,840	16,410	16,778	15,536	16,998	15,600
1,392	3,272	3,934	3,592	3,854	3,038	4,292	3,760	3,960	3,558	3,700
1,000	16,712	16,922	12,224	18,454	14,276	18,322	17,816	15,970	17,140	11,800
2,460	3,900	4,226	3,028	2,580	3,526	3,660	3,574	3,282	3,338	2,900
1,232	31,016	29,582	26,108	34,652	23,934	29,816	27,358	21,624	25,942	23,200
1,078	24,190	26,702	13,896	28,028	14,266	19,028	19,768	18,036	17,178	13,390
1,822	6,632	7,880	6,410	9,418	7,626	7,442	8,988	8,738	8,584	7,600
1,414	23,218	22,786	18,912	19,712	18,952	19,672	18,982	18,118	18,958	17,140
1,308	12,212	13,794	11,850	13,756	11,530	13,288	12,134	11,448	12,274	11,030
1,540	115,740	125,282	61,300	125,588	70,342	115,370	113,842	95,864	109,970	65,170
1,166	6,390	5,698	6,600	5,952	6,344	6,434	6,474	5,714	6,800	6,090
1,678	17,660	15,368	16,296	14,584	18,938	11,944	14,332	17,556	17,530	18,930
1,052	38,650	89,224	39,540	89,020	52,192	91,726	79,274	69,000	84,294	49,120
1,974	3,924	5,248	3,556	4,478	3,384	4,658	5,322	3,838	4,526	3,950
1,508	3,090	3,596	2,106	3,106	2,796	2,604	2,854	2,580	3,030	2,510
1,906	41,180	54,620	30,752	47,454	40,604	63,404	51,036	41,220	46,956	32,070
1,218	4,904	9,440	7,996	8,710	7,620	8,140	11,442	8,622	9,296	8,540
1,280	15,412	16,402	12,642	11,776	12,052	11,978	12,326	10,110	11,982	10,150
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	3,100
1,610	8,118	9,148	7,080	8,770	7,680	8,996	8,082	7,582	8,206	7,500
1,022	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
1,000	164,000	173,000	190,000	201,000	180,000	182,000	160,270	157,526	175,266	141,900
1,070	35,892	29,432	37,796	31,292	37,700	28,750	36,020	41,240	31,840	25,100
1,294	134,784	96,796	100,414	103,652	107,282	150,930	234,482	45,018	59,500	50,700
1,386	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	1,103,600
1,228	294,100	344,890	165,164	290,248	171,692	304,290	299,728	227,474	235,746	171,700
1,258	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

Chart No. 7

1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
74,030	520,146	355,518	735,592	638,504	388,154	646,960	611,988	541,832	723,112
41,366	35,978	24,658					1,998	2,164	2,132
1,650	1,492	1,474	1,680	1,466	1,672	2,358	4,142	3,978	4,722
3,688	3,558	2,926	5,184	4,266	4,030	4,136	148,178	117,806	159,302
20,884	129,062	102,584	144,474	141,694	126,502	134,870	43,732	36,478	48,134
41,540	35,554	29,674	46,690	45,061	34,142	42,992	8,802	9,442	10,624
9,784	8,748	8,720	8,264	8,434	10,700	10,450	7,344	7,048	6,876
6,808	8,584	8,322	8,236	6,562	8,000	6,424	8,470	8,758	9,746
8,960	8,938	8,484	9,638	10,388	10,524	9,496	29,716	28,022	35,240
33,376	35,482	23,854	31,744	32,136	28,848	29,988	3,406	3,362	3,468
3,100	3,880	3,298	3,354	3,374	3,950	3,400	16,034	16,038	17,586
15,536	16,998	15,608	15,252	15,654	16,468	15,254	4,374	4,442	4,322
3,960	3,558	3,706	3,328	3,508	4,112	4,178	16,110	13,638	17,830
15,970	17,140	11,870	15,524	17,648	3,764	17,350	3,386	3,288	3,514
3,282	3,338	2,918	4,354	3,432	13,796	3,532	22,764	26,276	31,226
21,624	25,942	23,214	23,096	20,018	23,312	20,772	22,260	15,006	17,584
18,036	17,178	13,390	20,590	22,844	16,528	21,020	8,424	8,802	9,762
8,738	8,584	7,608	7,990	9,194	8,762	8,974	17,896	18,180	18,814
18,118	18,958	17,144	19,132	19,872	20,470	20,528	14,348	10,998	12,632
11,448	12,274	11,030	11,714	11,446	11,162	11,382	100,138	83,308	111,026
95,864	109,970	65,170	111,016	110,312	85,148	97,746	7,662	7,318	7,262
5,714	6,800	6,090	6,462	6,370	7,624	8,174	18,320	19,698	17,206
17,556	17,530	18,938	18,562	13,004	20,360	21,714	73,100	70,164	93,592
69,000	84,294	49,120	85,240	78,830	60,256	76,344	4,528	4,284	5,750
3,838	4,526	3,956	4,100	4,886	3,584	4,318	2,574	2,658	2,662
2,580	3,030	2,510	2,422	3,448	2,482	3,244	52,910	44,172	66,196
41,220	46,956	32,014	50,662	41,020	49,060	44,988	8,848	8,072	10,414
8,622	9,296	8,540	7,556	7,938	10,196	7,942	101,158	10,864	13,586
10,110	11,982	10,130	10,210	11,440	12,650	12,588	2,584	2,688	2,452
2,526	2,952	2,668	2,970	2,656	2,288	3,024	1,630	2,552	2,436
3,018	2,622	3,102	2,772	2,812	3,962	3,010	9,534	7,378	8,388
7,582	8,206	7,532	7,492	7,606	7,554	7,558			

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

157,526 175,266 141,956 157,422 125,778 166,838 169,168 170,570 153,418 176,440

41,240 31,840 25,150 26,830 40,838 37,678 33,142 80,292 26,588 34,398

45,018 59,500 50,794 68,384 69,956 55,018 51,396 19,088 20,768 85,150

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

227,474 235,746 171,736 343,116 273,076 198,518 240,752 265,286 217,436 373,294

245,968 1,254,146 931,914 1,334,730 1,269,274 1,061,076 1,317,658 1,240,022 1,122,052 1,400,290

	1939	1940	1941	1942	1943	1944
Board of Control	572,374	567,126	600,416	660,248	767,530	616,514
New York Stock						
Penitentiary	2,006	1,746	1,582	1,570	2,062	1,764
Bubb	4,278	3,918	4,740	4,154	4,874	4,338
Ridenbaugh	147,684	148,658	160,804	144,804	161,430	126,146
Settlers	43,292	40,520	46,556	43,064	50,082	40,062
Thurman Mill	11,532	9,632	9,410	11,612	9,098	9,670
Consumers	8,326	6,826	5,658	6,630	6,884	5,888
Boise City	9,944	9,114	10,086	9,296	9,966	8,940
Farmers Union	33,645	26,168	35,618	35,736	38,180	29,700
Capital View	3,498	3,468	3,560	2,282	2,174	2,022
Boise Valley	17,631	16,274	17,494	16,676	15,802	13,598
New Union	4,036	3,904	4,582	3,524	3,896	3,836
New Dry Creek	15,252	14,502	17,978	17,752	18,080	17,572
Ballantine	3,698	3,562	3,250	3,316	3,962	3,610
Middleton Water Co.	31,488	33,620	34,504	30,278	38,602	39,530
Middleton Mill Ditch	15,042	15,640	14,564	13,858	16,760	11,124
Little Pioneer	8,318	7,044	7,920	7,108	7,994	7,250
Canyon Water Co.	19,960	17,878	20,308	18,486	19,968	18,708
7 Eagle Island Canals	12,398	10,256	12,326	12,720	11,394	12,450
Phyllis	98,038	92,608	104,914	93,564	117,060	85,268
Eureka Water Co.	8,406	7,576	9,340	8,402	8,348	7,962
Caldwell High Line	21,466	20,974	20,100	17,852	17,618	20,424
Farmers Coop.	68,918	69,200	78,736	80,164	98,038	70,786
Campbell	6,364	3,824	4,272	5,040	5,510	4,422
Siebenberg	3,260	2,862	2,774	2,102	2,298	2,488
Riverside No. 2	48,444	47,128	60,012	52,152	54,118	41,684
Pioneer Dixie	13,248	12,184	11,994	13,566	12,706	15,336
Eureka No. 2	15,256	15,416	14,750	12,896	16,294	11,830
Upper Center Point	3,472	3,538	3,764	3,588	3,782	4,126
Lower Center Point	3,944	4,596	4,890	4,196	3,344	4,912
Miscellaneous	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	2,150,636	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

BOISE RIVER CANAL DIVERSIONS IN ACRES FEET (continued)

Chart No. 7-A

	1944	1945	1946	1947	1948	1949	1950	1951
43	616,514	681,738	721,472	772,628	725,150	808,420	820,502	856,926
62	1,764	1,656	2,212	2,806	2,470	3,350	2,642	2,766
74	4,338	5,316	5,172	5,204	4,090	4,286	4,310	4,586
80	126,146	129,942	154,442	157,198	131,982	155,814	166,250	173,836
82	40,062	42,006	47,080	49,380	43,716	52,782	52,044	53,446
98	9,670	11,770	9,086	10,456	9,642	8,714	10,402	10,500
84	5,888	7,078	6,726	6,566	5,632	6,978	6,828	5,562
66	8,940	8,468	9,352	9,398	7,914	9,034	9,512	10,412
80	29,700	32,990	38,252	38,616	36,678	43,591	51,276	58,274
74	2,022	2,120	2,180	2,076	2,040	2,286	2,556	2,554
802	13,998	14,976	17,686	16,866	15,208	18,915	18,420	13,068
96	3,836	4,016	3,984	4,376	3,784	3,932	4,218	5,224
80	17,572	20,094	19,218	18,772	15,442	19,736	19,120	19,954
62	3,610	3,706	4,076	5,036	4,478	4,802	5,346	5,328
802	39,530	29,456	28,628	27,582	25,136	30,932	29,886	32,773
760	11,124	14,728	19,084	18,388	16,758	20,622	19,924	21,849
94	7,290	9,202	10,692	10,586	8,228	9,828	11,322	10,944
68	18,708	19,900	20,354	21,648	18,170	19,068	23,262	23,282
94	12,450	12,060	13,772	13,746	13,056	14,674	15,244	15,400
60	85,268	84,672	107,768	107,128	98,968	112,320	116,662	113,870
348	7,962	8,034	8,332	9,502	7,994	8,982	9,654	10,300
618	20,424	20,730	18,832	16,348	13,130	14,210	14,068	14,906
138	70,786	77,664	93,136	85,200	79,448	82,910	93,470	102,484
510	4,422	5,164	5,944	5,446	4,440	5,032	5,596	6,406
298	2,488	2,350	2,658	2,844	3,158	2,890	2,926	3,120
118	41,684	48,758	43,604	50,496	69,160	54,346	68,812	69,594
706	15,336	15,078	13,472	16,430	12,978	18,544	18,388	21,046
294	11,830	14,818	19,674	23,718	20,724	22,568	25,752	25,668
782	4,126	4,090	4,438	4,392	4,758	5,438	5,824	5,994
344	4,912	3,784	3,788	4,410	5,832	5,216	5,736	5,920
300	7,036	7,926	7,822	7,760	7,338	8,258	8,344	8,432
54	1,248,996	1,344,290	1,462,936	1,525,002	1,412,102	1,578,478	1,644,296	1,714,424
66	145,568	151,102	153,260	166,220	149,012	123,492	137,978	133,610
70	25,074	14,858	18,364	22,846	31,464	17,398	6,728	33,224
46	32,026	29,302	69,026	115,740	28,056	204,000	40,612	168,678
36	1,451,664	1,539,552	1,703,586	1,829,808	1,620,634	1,923,368	1,829,614	2,049,936
66	248,672	264,190	291,322	339,546	256,714	330,110	400,206	471,172
70	1,202,992	1,275,362	1,412,264	1,490,262	1,363,920	1,593,258	2,229,820	2,521,108

DIVERSIONS IN ACRE FEET (continued)

Chart No. 7-A

	1946	1947	1948	1949	1950	1951
	721,472	772,628	725,750	808,420	820,502	856,926
	2,212	2,806	2,470	3,350	2,642	2,766
	5,172	5,204	4,090	4,286	4,310	4,586
	154,442	157,198	131,982	155,814	166,250	173,836
	47,080	49,380	43,716	52,782	52,044	53,446
	9,086	10,456	9,642	8,714	10,402	10,500
	6,726	6,566	5,632	6,978	6,828	5,562
	9,352	9,398	7,914	9,034	9,512	10,412
	38,252	38,616	30,678	43,591	51,276	58,274
	2,180	2,076	2,040	2,286	2,556	2,554
	17,686	16,866	15,208	18,915	18,420	13,068
	3,984	4,376	3,784	3,932	4,218	5,224
	19,218	18,772	15,442	19,736	19,120	19,954
	4,076	5,036	4,478	4,802	5,346	5,328
	28,628	27,582	25,136	30,932	29,886	32,773
	19,084	18,388	16,758	20,622	19,924	21,849
	10,692	10,586	8,228	9,828	11,322	10,944
	20,354	21,648	18,170	19,068	23,262	23,282
	13,772	13,746	13,056	14,674	15,244	15,400
	107,768	107,128	98,968	112,320	116,662	113,870
	8,332	9,502	7,994	8,982	9,654	10,300
	18,832	16,348	13,130	14,210	14,068	14,906
	93,136	85,200	79,448	82,910	93,470	102,484
	5,944	5,446	4,440	5,032	5,596	6,406
	2,658	2,844	3,158	2,890	2,926	3,120
	43,604	50,496	69,160	54,346	68,812	69,594
	13,472	16,430	12,978	18,544	18,388	21,046
	19,674	23,718	20,724	22,568	25,752	25,668
	4,438	4,392	4,758	5,438	5,824	5,994
	3,788	4,410	5,832	5,216	5,736	5,920
	7,822	7,760	7,338	8,258	8,344	8,432
	1,462,936	1,525,002	1,412,102	1,578,478	1,644,296	1,714,424
	153,260	166,220	149,012	123,492	137,978	133,610
	18,364	22,846	31,464	17,398	6,728	33,224
	69,026	115,740	28,056	204,000	40,612	168,678
	1,703,586	1,829,808	1,620,634	1,923,368	1,829,614	2,049,936
	291,322	339,546	256,714	330,110	400,206	471,172
	1,412,264	1,490,262	1,363,920	1,593,258	2,229,820	2,521,108

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3	6	6	6	6	6	6	6	6	6	7
2.	Davis Drain	5	5	5	5	5	5	5	5	5	5
3.	Thurman Drain	10	10	10	10	12	12	12	12	12	12
4.	Boise Sewer	9	9	9	9	9	9	9	9	9	9
5.	Eagle Drain	10	10	10	10	10	12	12	12	12	12
6.	South Middleton Drain	14	14	14	14	14	15	15	15	15	15
7.	North Middleton Drain	12	12	12	12	12	12	12	12	12	12
8.	Hartley Drain	6	6	6	6	6	6	6	6	6	6
9.	Phyllis Waste	5	5	5	5	5	5	5	5	5	5
10.	Mason Creek	3	3	3	3	3	3	3	3	3	3
11.	Willow Creek	5	5	5	5	5	5	5	5	5	5
12.	Mason Drain	27	27	27	27	27	27	27	27	27	27
13.	Indian Creek	32	32	32	32	32	32	32	32	35	35
14.	Hartley Gulch	4	4	4	4	4	4	4	4	4	4
	Total	148	148	148	148	150	153	153	153	156	157

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3	12	12	12	12	12	14	14	14	14	14
2.	Davis Drain	7	7	7	7	7	7	7	7	7	7
3.	Thurman Drain	22	22	22	22	22	22	22	22	22	23
4.	Boise Sewer	15	15	15	15	15	15	15	15	15	15
5.	Eagle Drain	70	70	68	68	66	66	64	64	63	63
6.	South Middleton Drain	77	77	77	77	77	77	84	84	84	84
7.	North Middleton Drain	71	71	71	71	71	71	75	75	75	82
8.	Hartley Drain	29	29	29	29	29	29	29	29	29	29
9.	Phyllis Waste	9	9	9	9	9	9	9	9	9	9
10.	Mason Creek	12	12	16	16	18	22	22	22	22	22
11.	Willow Creek	33	33	33	35	35	35	37	39	43	43
12.	Mason Drain	75	90	98	112	131	139	151	156	166	171
13.	Indian Creek	166	171	171	173	173	173	173	175	175	175
14.	Hartley Gulch	40	40	40	40	40	40	40	40	40	40
	Total	638	658	668	686	705	719	742	751	764	777

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1951

APRIL

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
6	6	7	7	7	7	7	7	7	7	7	7	8	8	8
5	5	5	6	6	6	6	6	6	6	6	6	6	7	7
12	12	12	12	12	12	12	14	14	14	14	14	17	17	17
9	9	9	9	9	9	9	9	15	15	15	15	15	15	15
12	12	12	14	14	14	18	20	22	22	26	30	35	40	48
15	15	15	15	17	21	25	27	31	33	36	42	52	58	61
12	12	12	15	15	17	21	27	31	34	38	42	47	53	53
6	6	6	6	10	10	10	12	12	12	12	15	15	18	22
5	5	5	5	6	6	6	6	6	8	8	8	8	8	9
3	3	3	3	3	3	3	3	3	3	3	3	3	6	8
5	5	5	5	5	5	5	5	8	8	12	12	15	18	25
27	27	27	27	27	35	37	41	41	41	46	51	51	51	53
32	35	35	35	35	35	42	42	42	42	45	45	56	67	73
4	4	4	4	4	4	4	4	12	16	21	25	29	32	35
153	156	157	163	170	184	205	223	250	261	289	315	357	398	434

MAY

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
14	14	14	16	16	16	16	16	16	16	16	16	16	18	18
7	7	7	7	7	7	7	7	8	8	8	8	8	8	8
22	22	23	23	23	23	23	23	23	23	23	23	24	24	24
15	15	15	15	15	15	15	15	16	16	16	16	16	16	16
64	63	63	63	65	65	65	67	67	71	71	75	75	75	77
84	84	84	84	99	112	117	123	117	115	115	103	98	98	98
75	75	82	82	88	88	88	93	91	91	88	85	85	81	81
29	29	29	29	29	29	29	29	29	29	29	29	29	31	31
9	9	9	9	9	9	9	9	9	9	9	9	12	12	12
22	22	22	22	22	3	3	3	3	3	3	22	22	22	22
39	43	43	48	48	48	48	54	54	54	60	60	60	54	52
156	166	171	171	175	195	195	195	195	195	195	175	171	168	163
175	175	175	175	181	181	181	181	181	181	181	183	183	183	188
40	40	40	40	40	40	40	43	43	43	43	43	43	43	43
751	764	777	784	817	831	836	858	852	854	857	847	842	833	833

Chart No. 8

19	20	21	22	23	24	25	26	27	28	29	30	Total
7	8	8	8	8	8	10	10	10	12	12	12	230
6	6	7	7	7	7	7	7	7	7	7	7	180
14	17	17	17	20	20	20	20	22	22	22	22	449
15	15	15	15	15	15	15	15	15	15	15	15	360
30	35	40	48	54	62	66	70	74	72	72	72	955
42	52	58	61	66	66	66	66	66	66	72	72	1103
42	47	53	53	55	61	67	67	67	67	69	69	1035
15	15	18	22	25	25	27	27	29	29	29	29	434
8	8	8	9	9	9	9	9	9	9	9	9	206
3	3	6	8	8	8	8	8	8	8	8	8	138
12	15	18	25	25	27	27	29	33	33	33	33	413
51	51	51	53	53	53	61	61	61	61	65	65	1251
45	56	67	73	84	91	121	134	142	151	156	161	1925
25	29	32	35	37	39	39	40	40	40	40	40	545
315	357	398	434	466	491	543	563	583	592	609	614	9224

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
16	16	18	18	18	18	18	18	18	21	21	21	21	500
8	8	8	8	8	8	8	8	8	8	8	9	9	235
23	24	24	24	24	24	24	24	25	25	25	25	25	721
16	16	16	16	16	16	16	16	16	16	16	16	16	481
75	75	75	77	77	81	81	83	83	85	88	86	84	2246
103	98	98	98	95	82	82	82	82	82	82	82	82	2828
85	85	81	81	81	77	77	77	75	75	71	71	71	2449
29	29	31	31	31	31	31	33	33	33	33	33	33	933
9	12	12	12	12	12	12	14	14	14	14	14	14	327
22	22	22	22	22	22	22	22	22	22	22	22	22	532
60	60	54	52	52	48	48	43	41	36	36	36	36	1382
175	171	168	163	157	155	151	146	143	141	141	141	141	4798
183	183	183	188	188	188	188	192	192	192	192	192	192	5620
43	43	43	43	43	43	43	35	35	35	35	35	35	1243
847	842	833	833	824	805	801	793	787	785	784	783	781	24295

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3	20	20	20	20	20	20	20	20	20	20
2.	Davis Drain	9	9	9	9	9	9	9	9	9	9
3.	Thurman Drain	25	25	25	25	25	25	25	25	25	26
4.	Boise Sewer	16	16	16	16	16	16	16	16	16	16
5.	Eagle Drain	80	78	76	76	74	74	74	70	70	70
6.	South Middleton Drain	82	87	87	92	95	95	95	99	99	99
7.	North Middleton Drain	67	67	67	67	67	63	63	63	61	61
8.	Hartley Drain	35	35	35	35	41	41	41	41	41	41
9.	Phyllis Waste	15	15	15	15	15	15	15	15	15	15
10.	Mason Creek	21	21	21	21	21	24	24	24	24	24
11.	Willow Creek	33	33	31	31	31	31	31	31	31	31
12.	Mason Drain	141	141	141	135	135	135	131	131	127	127
13.	Indian Creek	200	202	204	206	208	208	210	212	214	216
14.	Hartley Gulch	33	33	33	33	33	31	31	29	27	25
	Total	777	782	780	781	790	787	785	785	779	780

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3	22	22	22	22	22	22	22	22	20	20
2.	Davis Drain	10	10	10	10	10	10	10	10	10	10
3.	Thurman Drain	27	27	27	27	27	27	27	27	27	27
4.	Boise Sewer	15	15	15	15	15	15	15	15	15	15
5.	Eagle Drain	64	66	66	66	66	64	64	64	64	64
6.	South Middleton Drain	88	92	110	108	103	95	95	88	88	88
7.	North Middleton Drain	54	54	56	56	56	53	52	52	52	48
8.	Hartley Drain	51	51	47	47	47	47	47	49	49	49
9.	Phyllis Waste	9	9	9	9	9	12	12	12	12	14
10.	Mason Creek	31	35	37	37	37	31	31	31	31	26
11.	Willow Creek	35	35	48	48	48	35	35	35	48	48
12.	Mason Drain	81	81	79	79	79	79	81	81	81	85
13.	Indian Creek	221	227	227	227	235	241	235	221	217	212
14.	Hartley Gulch	27	27	27	27	27	27	25	25	21	21
	Total	735	751	780	778	781	758	751	732	735	727

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1951

JUNE

11	12	13	14	15	16	17	18	19	20	21	22	23	24
20	20	20	20	20	20	20	20	20	20	20	20	20	20
9	9	9	9	9	10	10	10	10	10	10	10	10	10
26	26	26	26	26	26	26	26	26	26	26	26	26	26
16	16	16	16	16	15	15	15	15	15	15	15	15	15
68	68	68	65	65	65	64	64	63	63	61	61	61	61
99	99	102	102	99	99	97	95	95	91	85	76	64	64
61	61	59	59	57	57	57	57	57	57	57	57	57	57
43	43	45	45	47	47	47	51	51	51	51	53	53	53
15	15	15	15	15	15	15	12	12	12	12	12	12	12
24	21	21	19	19	19	17	17	15	15	15	12	12	12
31	20	20	20	20	20	20	20	20	20	20	20	20	20
121	121	121	112	112	112	102	102	97	97	93	89	89	89
217	217	217	217	215	215	215	213	213	213	211	211	211	211
25	23	23	23	23	23	23	23	23	24	24	25	25	25
775	759	762	748	743	743	728	725	717	714	700	687	675	675

JULY

11	12	13	14	15	16	17	18	19	20	21	22	23	24	25
20	20	20	20	20	17	17	17	17	17	17	17	22	22	22
10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
27	27	27	27	27	27	27	27	27	27	27	27	27	27	27
15	15	15	15	15	16	16	16	16	16	16	16	16	16	16
64	64	64	63	63	63	63	65	65	67	71	71	71	74	69
88	88	88	88	88	88	76	76	76	78	78	78	78	80	80
48	48	48	48	48	44	39	45	52	52	52	52	66	72	67
49	49	49	49	49	49	51	51	51	51	51	51	51	51	51
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
26	26	21	21	21	17	17	17	17	12	12	12	12	10	10
48	48	51	51	53	53	53	59	59	59	59	61	61	63	63
85	88	88	91	93	97	112	112	115	117	121	121	121	126	121
212	212	212	212	212	212	212	215	215	215	215	215	215	215	214
21	21	19	19	19	19	17	17	17	17	17	17	17	20	19
727	733	726	730	732	726	730	741	751	752	760	762	781	800	783

Chart No. 8-A

19	20	21	22	23	24	25	26	27	28	29	30	Total
20	20	20	20	20	20	18	18	18	18	18	18	588
10	10	10	10	10	10	10	10	10	10	10	10	285
26	26	26	26	26	26	26	27	27	27	27	27	776
15	15	15	15	15	15	15	15	15	15	15	15	465
63	63	61	61	61	61	61	61	61	63	63	63	2011
95	91	85	76	64	64	64	56	56	66	74	82	2595
57	57	57	57	57	57	57	52	52	52	52	52	1773
51	51	51	53	53	53	53	53	53	53	51	51	1380
12	12	12	12	12	12	12	12	12	10	10	10	405
15	15	15	12	12	12	12	12	15	18	25	25	570
20	20	20	20	20	20	20	20	20	20	26	33	744
97	97	93	89	89	89	89	84	84	84	84	84	3310
213	213	211	211	211	211	211	208	208	208	215	215	6341
23	24	24	25	25	25	25	26	26	26	26	26	795
717	714	700	687	675	675	673	654	657	670	696	711	22038

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
17	17	17	17	22	22	22	20	20	19	19	17	17	613
10	10	10	10	10	10	10	10	10	10	10	10	11	311
27	27	27	27	27	27	27	27	27	27	27	27	27	837
16	16	16	16	16	16	16	16	16	16	16	16	16	481
65	67	71	71	71	74	69	67	64	63	62	61	61	2023
76	78	78	78	78	80	80	75	75	62	62	62	57	2576
52	52	52	52	66	72	67	65	61	58	55	55	48	1656
51	51	51	51	51	51	51	55	55	57	57	57	65	1583
14	14	14	14	14	14	14	14	14	14	14	14	14	401
17	12	12	12	12	10	10	10	15	15	17	17	17	669
59	59	59	61	61	63	63	61	61	61	55	55	55	1615
115	117	121	121	121	126	121	121	117	117	112	107	107	3095
215	215	215	215	215	215	214	214	214	214	214	214	214	6750
17	17	17	17	17	20	19	19	17	17	17	15	15	630
751	752	760	762	781	800	783	774	766	750	737	727	724	23240

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3	18	18	18	20	20	22	22	22	22	22
2.	Davis Drain	11	11	11	11	11	11	11	11	11	11
3.	Thurman Drain	26	26	26	26	26	26	26	26	26	25
4.	Boise Sewer	16	16	16	16	16	16	16	16	16	16
5.	Eagle Drain	61	59	59	59	59	57	57	54	54	53
6.	South Middleton Drain	67	72	72	72	72	72	72	72	72	72
7.	North Middleton Drain	48	48	48	48	48	44	44	44	44	44
8.	Hartley Drain	63	63	61	61	61	61	61	58	58	58
9.	Phyllis Waste	14	14	14	14	14	14	14	14	14	14
10.	Mason Creek	19	19	19	19	19	19	22	22	22	22
11.	Willow Creek	50	50	48	48	48	48	43	41	39	39
12.	Mason Drain	107	107	107	103	103	103	99	99	99	99
13.	Indian Creek	221	228	225	221	216	213	213	210	210	213
14.	Hartley Gulch	15	15	15	15	15	17	17	17	17	17
	Total	736	746	739	733	728	723	717	706	704	705

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	15	15	15	15	15	15	15	15	15	20	20
2.	Davis Drain	11	11	11	11	11	11	11	11	11	10	10
3.	Thurman Drain	20	20	20	20	20	20	20	20	20	20	20
4.	Boise Sewer	15	15	15	15	15	15	15	15	15	15	15
5.	Eagle Drain	48	48	48	48	48	44	44	44	43	43	43
6.	South Middleton Drain	62	62	62	62	62	62	62	62	62	62	62
7.	North Middleton Drain	71	71	65	65	65	65	62	62	62	57	57
8.	Hartley Drain	46	46	46	46	46	46	46	46	46	46	46
9.	Phyllis Waste	12	12	12	12	12	12	12	12	12	12	10
10.	Mason Creek	31	31	25	25	21	21	21	21	21	29	29
11.	Willow Creek	30	30	30	31	31	31	31	31	31	31	31
12.	Mason Drain	168	161	151	149	132	132	129	131	137	142	148
13.	Indian Creek	259	255	247	242	236	221	221	216	212	212	207
14.	Hartley Gulch	18	18	18	18	18	18	18	18	18	18	18
	Total	806	795	765	759	732	713	707	704	705	717	716

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1951

AUGUST

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
22	22	20	20	20	20	18	18	18	18	18	17	17	17	17
11	11	11	11	11	11	11	11	11	11	11	11	11	11	11
26	25	25	25	25	25	24	24	24	24	24	24	22	22	22
16	16	16	16	16	16	16	15	15	15	15	15	15	15	15
54	53	53	53	51	51	51	51	51	51	51	51	51	51	51
72	72	72	72	72	72	72	72	66	66	55	55	35	42	51
44	44	44	44	44	44	42	42	42	42	42	42	40	42	42
58	58	58	58	58	58	58	55	55	51	51	51	45	45	45
14	14	14	14	14	14	14	14	14	14	14	14	14	14	14
22	22	22	22	22	22	22	25	25	25	25	25	27	27	27
39	39	37	37	35	35	32	32	32	35	35	35	41	41	41
99	99	99	99	99	99	95	95	99	106	106	116	125	131	137
210	213	216	216	219	219	225	234	234	234	234	236	238	242	242
17	17	17	19	19	19	20	20	20	20	20	20	20	20	20
704	705	704	706	705	705	700	708	706	712	701	712	701	720	739

SEPTEMBER

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
15	20	20	20	20	20	15	15	15	15	15	15	15	15	15
11	10	10	10	10	10	10	9	9	9	9	9	9	9	9
20	20	20	20	20	20	20	20	20	20	20	20	18	18	18
15	15	15	15	15	15	15	16	16	16	16	16	16	16	16
43	43	43	42	42	42	42	42	42	42	42	42	42	42	42
62	62	62	55	55	55	55	62	65	65	65	65	71	71	71
62	57	57	52	52	52	52	52	52	52	52	48	48	43	43
46	46	46	46	46	47	47	47	47	45	45	41	41	41	41
12	12	10	10	10	10	10	10	10	10	10	10	10	10	10
21	29	29	29	31	36	34	31	27	25	23	19	19	19	19
31	31	31	31	31	32	32	32	32	32	32	32	32	32	32
137	142	148	155	161	164	161	151	146	139	129	109	97	97	97
212	212	207	207	207	207	198	192	181	181	181	181	181	181	176
18	18	18	18	18	19	19	19	19	19	19	17	17	17	17
705	717	716	710	718	729	710	698	681	670	658	624	616	611	606

Chart No. 8-B

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
18	17	17	17	17	17	17	17	17	18	18	18	18	582
11	11	11	11	11	11	11	11	11	11	11	11	11	341
24	24	22	22	22	22	22	22	22	21	21	21	21	741
15	15	15	15	15	15	15	15	15	15	15	15	15	480
51	51	51	51	51	51	52	52	52	52	52	52	52	1654
55	55	35	42	55	55	60	60	60	60	60	60	60	1996
42	42	40	42	42	48	52	61	61	77	84	84	84	1563
51	51	45	45	45	45	45	45	45	46	46	46	46	1657
14	14	14	14	14	14	14	14	14	14	14	14	14	434
25	25	27	27	27	27	27	27	27	27	27	27	27	734
35	35	41	41	41	41	35	30	30	30	30	30	30	1178
06	116	125	131	137	143	152	152	161	161	168	168	168	3705
34	236	238	242	242	242	248	255	255	255	255	261	268	7198
20	20	20	20	20	20	20	20	20	20	18	18	18	568
01	712	701	720	739	751	770	781	790	807	819	825	832	22831
19	20	21	22	23	24	25	26	27	28	29	30		Total
5	15	15	15	15	15	12	12	12	12	12	12		457
9	9	9	9	9	9	9	8	8	8	8	8		289
0	20	18	18	18	18	18	18	18	18	18	18		580
6	16	16	16	16	16	16	16	16	16	16	16		465
2	42	42	42	42	42	42	42	42	42	42	42		1299
5	65	71	71	71	71	66	66	66	66	66	66		1904
2	48	48	43	43	39	39	39	39	39	39	39		1573
5	41	41	41	41	37	37	37	35	35	35	35		1291
0	10	10	10	10	10	10	9	9	9	9	9		315
3	19	19	19	19	19	19	19	19	19	19	19		720
2	32	32	32	32	32	32	32	32	32	32	32		944
9	109	97	97	97	85	85	85	76	76	76	76		3745
1	181	181	181	176	176	171	171	171	171	171	171		6003
9	17	17	17	17	17	17	17	17	17	17	17		535
8	624	616	611	606	586	573	571	560	560	560	560		20120

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 1951

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	445,576	581,962	397,856	280,378	229,038	173,016
Deliveries to Canals	505,748	657,784	485,218	365,988	313,496	250,764
Tributary Gain	18,448	48,590	44,076	46,480	45,662	40,240
Seepage Gain	41,724	27,232	43,286	39,130	38,796	37,508
Net Gain	60,172	75,822	87,362	85,610	84,458	77,748

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

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

IRRIGATION SEASON 1951

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	7,426	9,386	6,631	4,522	3,694	2,883
Deliveries to Canals	8,429	10,609	8,087	5,903	5,056	4,179
Tributary Gain	308	784	735	750	736	671
Seepage Gain	695	439	721	631	626	625
Net Gain	1,003	1,223	1,456	1,381	1,362	1,296

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

CANAL DELIVERIES (INCLUDING BOISE RIVER AT NOTUS)

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

IRRIGATION SEASON 1951

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
445,576	581,962	397,856	280,378	229,038	173,016	2,107,826
505,748	657,784	485,218	365,988	313,496	250,764	2,578,998
18,448	48,590	44,076	46,480	45,662	40,240	243,496
41,724	27,232	43,286	39,130	38,796	37,508	227,676
60,172	75,822	87,362	85,610	84,458	77,748	471,172

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

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

IRRIGATION SEASON 1951

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
7,426	9,386	6,631	4,522	3,694	2,883
8,429	10,609	8,087	5,903	5,056	4,179
308	784	735	750	736	671
695	439	721	631	626	625
1,003	1,223	1,456	1,381	1,362	1,296

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

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

SECTION 1

1951

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Diversion Dam	280,378	229,038	173,016	682,432
xDeliveries to Canals	308,898	255,466	194,606	758,970
Tributary Gain	8,530	7,596	6,180	22,306
Seepage Gain	19,990	18,832	15,410	54,232
Net Gain	28,520	26,428	21,590	76,538

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

1951

	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	4,522	3,694	2,883
xDeliveries to Canals	4,982	4,120	3,243
Tributary Gain	138	122	103
Seepage Gain	322	304	257
Net Gain	460	426	360

xIncludes Boise River passing Caldwell High Line.

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE

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

SECTION 2

1951

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	16,096	506	418	17,020
xDeliveries to Canals	73,186	58,536	56,576	188,298
Tributary Gain	37,950	38,066	34,060	110,076
Seepage Gain	19,140	19,964	22,098	61,202
Net Gain	57,090	58,030	56,158	171,278

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

1951

	JULY	AUGUST	SEPTEMBER
Boise River at Caldwell High Line	260	8	7
xDeliveries to Canals	1,180	944	943
Tributary Gain	612	614	568
Seepage Gain	309	322	368
Net Gain	921	936	936

xIncludes Boise River at Notus.

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE

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

SECTION 2

1951

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	16,096	506	418	17,020
Deliveries to Canals	73,186	58,536	56,576	188,298
Tributary Gain	37,950	38,066	34,060	110,076
Seepage Gain	19,140	19,964	22,098	61,202
Net Gain	57,090	58,030	56,158	171,278

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

1951

	JULY	AUGUST	SEPTEMBER
Boise River at Caldwell High Line	260	8	7
Deliveries to Canals	1,180	944	943
Tributary Gain	612	614	568
Seepage Gain	309	322	368
Net Gain	921	936	936

Includes Boise River at Notus.

BOISE VALLEY CANALS AND ACREAGE

Board of Control (New York)			Warm Springs Slough	441	ac
New York Irrig. District . . .	17,763		Joplin	94	"
Boise-Kuna Irrig. District . .	48,458		Conway & Hamming	259	"
Nampa & Meridian Irrig. Dist.	40,193		Thos. Aiken	236	"
Wilder Irrig. District	56,622		Catlin & Mace	496	"
Big Bend Irrig. District . . .	1,725		Hart & Davis	453	"
TOTAL BOARD OF CONTROL	164,761	acres	Graham & Gilbert	220	"
Ridenbaugh	26,747	"	Seven Suckers	58	"
Penitentiary (excl. of Boise Project)	102	"	Pioneer Irrig. District	34,500	"
Bubb (So. Boise)	1,057	"	Eureka Water Co.	1,666	"
Meeves	90	"	Franklin & Mason Creek (Caldwell		
Rossi Mill	500	"	High Line)	3,960	"
Manville-Leonard	159	"	Farmers Coop. Ditch Co.	15,897	"
Davis and Little Davis	634	"	Canyon Ditch Co.	802	"
Settlers	12,300	"	Siebenberg	646	"
Thurman Mill	1,799	"	Riverside Irrig. District	10,645	"
Cruzen (Consumers)	2,500	"	Pioneer Dixie	2,030	"
Boise City	1,828	"	Eureka Ditch Co.	2,670	"
Farmers Union	8,300	"	Upper Center Point	641	"
Boise Valley	2,729	"	Lower Center Point	880	"
Capitol View	600	"	Bowman & Swisher	424	"
New Union	688	"	Mammon	449	"
New Dry Creek	3,059	"	Haas	867	"
Ballantine	763	"	Island High Line	1,000	"
Middleton Water	5,640	"	Larsen-Baxter-Lemp	200	"
Middleton Mill	4,400	"	Boone	577	"
Little Pioneer	1,286	"	Andrews	1,068	"
Canyon County	4,007	"	Parma Ditch Co.	562	"
Lemp Ditch (Eagle Island) . .	300	"	O'Donnell	120	"
			Mace & Mace	80	"
			TOTAL	326,190	"

DRAINAGE WATER (not diverted from Boise River)

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

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

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

BOISE VALLEY CANALS AND ACREAGE

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

WATER (not diverted from Boise River)

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

stances, upon actual surveys, and in other cases upon the acreage as
 art Decree, and is the best information available at the present
 February 14, 1941, but has been again revised (July, 1948), particu-
 es to conform to Stewart Decree acreages as determined by special
 termaster's Report for 1947.

within the Nampa & Meridian Irrigation District that are watered by
 the Stewart Decree. The balance of the Nampa & Meridian Irrigation
 the Board of Control. (Some of the acreages were revised April 10,

TABLE

Name of Canal	Acres Irrigated	1934	1935	1936	1937	1938	Acres Irrigated	1939	1940	1941	1942	1943
Board of Control	166,000	3.13	4.92	4.71	4.19	4.36	164,761	4.09	4.38	4.71	4.92	5.01
Penitentiary	429	3.87	5.36	4.66	5.04	4.97	429	4.67	4.07	3.69	3.66	4.08
Bubb (So. Boise)	745	5.41	5.55	5.56	5.34	6.34	745	5.74	5.26	6.36	5.58	6.05
Ridenbaugh	27,000	4.69	5.00	5.49	4.36	5.90	27,000	5.47	5.51	5.96	5.35	5.99
Settlers	12,300	2.77	3.50	3.56	2.97	3.91	12,300	3.52	3.29	3.79	3.50	4.00
Thurman Mill	1,858	5.76	5.62	4.74	5.08	5.72	1,858	6.21	5.18	5.06	6.25	4.99
Consumers	2,500	3.20	2.57	2.94	2.82	2.75	2,500	3.33	2.73	2.26	2.65	2.77
Boise City	1,903	5.53	4.99	4.45	4.60	5.12	1,903	5.23	4.79	5.30	4.88	5.22
Farmers Union	8,300	3.48	3.61	3.60	3.53	4.35	8,900	4.17	3.33	4.40	4.27	4.55
Wise	600	6.58	5.67	5.68								
Boise Valley	2,729	6.03	5.11	5.88	5.88	6.44	2,729	6.46	5.96	6.41	6.11	5.77
New Union	688	6.00	6.07	6.36	6.46	6.28	688	5.87	5.67	6.66	5.13	5.60
New Dry Creek	2,720	5.04	6.38	5.92	5.01	6.56	2,720	5.61	5.33	6.61	6.53	6.60
Ballantine	700	5.38	5.03	4.84	4.70	5.02	700	5.28	5.09	4.64	4.74	5.60
Middleton Irrig. Assoc.	5,704	4.26	3.64	3.99	4.61	5.47	5,704	5.52	5.89	6.05	5.31	6.71
Middleton Mill	4,400	3.53	4.78	5.06	3.41	4.00	4,400	3.42	3.56	3.31	3.15	3.81
Little Pioneer	1,286	6.80	6.98	6.55	6.84	7.59	1,286	6.47	5.48	6.16	5.53	6.22
Canyon County	3,790	5.40	5.42	4.72	4.80	4.96	3,790	5.27	4.72	5.36	4.88	5.27
#Eagle Island Canals	2,363	4.72	4.82	6.07	4.65	5.35	2,363	5.25	4.34	5.22	5.38	4.82
Phyllis	23,500	3.62	4.16	4.26	3.55	4.72	23,500	4.17	3.94	4.46	3.98	4.98
Eureka Water	1,666	4.58	4.91	4.60	4.39	4.36	1,666	5.05	4.55	5.61	5.04	5.01
Caldwell High Line	4,010	5.08	5.41	4.57	4.91	4.29	4,010	5.35	5.23	5.01	4.45	4.39
Farmers Coop.	15,500	3.94	4.93	4.72	4.53	6.04	15,500	4.45	4.46	5.08	5.17	6.32
Canyon (Campbell)	802	4.46	5.38	5.65	5.34	7.17	802	7.94	4.77	5.33	6.29	6.87
Siebenberg	646	3.84	5.02	3.98	4.11	4.12	646	5.05	4.43	4.29	3.25	3.56
Riverside #2	10,645	3.65	4.23	4.97	4.15	6.22	10,645	4.55	4.43	5.64	4.90	5.08
Pioneer Dixie	2,015	5.06	3.94	4.39	4.01	5.17	2,015	6.57	6.05	5.95	6.73	6.31
Eureka #2	2,595	4.87	4.85	3.91	4.19	5.24	2,595	5.88	5.94	5.68	4.97	6.28
Upper Center Point	621	3.68	4.87	4.16	4.33	3.95	621	5.59	5.70	6.06	5.78	6.09
Lower Center Point	845	4.66	3.56	1.93	3.02	2.88	845	4.67	5.44	5.79	4.97	3.96
Miscellaneous	1,493	5.06	5.06	6.39	4.94	5.62	1,493	5.60	4.59	5.58	5.55	5.22
Total	310,353	3.62	4.76	4.69	4.16	4.76	309,114	4.09	4.47	4.89	4.84	5.46

#Eagle Island Canals: Lemp, Conway & Hamming, Aiken, Catlin & Mace, Mace & Mace, Hart & Davis, Graham & G.

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

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

TABLE SHOWING ACRE FEET PER ACRE DIVERTED BY BOISE VALLEY CANALS

FOR EACH IRRIGATION SEASON FROM 1934

1940	1941	1942	1943	1944	1945	1946	Acres Irrigated	1947	1948	1949	1950	1951
4.38	4.71	4.92	5.58	4.63	5.05	4.38	164,332	4.70	4.42	4.90	5.83	521
4.07	3.69	3.66	4.81	4.11	3.86	5.16	429	6.54	5.76	7.81	6.16	645
5.26	6.36	5.58	6.54	5.82	7.14	6.94	1,057	4.92	3.87	4.05	4.08	434
5.51	5.96	5.35	5.98	4.67	4.81	5.72	26,747	5.88	4.93	5.83	6.22	650
3.29	3.79	3.50	4.07	3.26	3.42	3.83	12,300	4.01	3.55	4.29	4.23	435
5.18	5.06	6.25	4.90	5.20	6.33	4.89	1,799	5.81	5.36	4.84	5.78	584
2.73	2.26	2.65	2.75	2.36	2.83	2.69	2,500	2.63	2.25	2.79	2.73	222
4.79	5.30	4.88	5.24	4.70	4.45	4.91	1,828	5.14	3.33	4.95	5.22	570
3.33	4.40	4.27	4.53	3.56	3.94	4.54	8,900	4.57	3.68	5.15	6.05	6.10
5.96	6.41	6.11	5.79	4.98	5.49	6.48	2,729	6.18	5.57	6.93	6.75	7.18
5.67	6.66	5.13	5.66	5.58	5.84	5.79	688	6.36	5.50	5.71	6.13	7.59
5.33	6.61	6.53	6.85	6.46	7.39	7.07	3,059	6.14	5.05	6.45	6.25	6.52
5.09	4.64	4.74	5.66	5.16	5.29	5.82	763	6.60	5.87	6.29	7.01	6.98
5.89	6.05	5.31	6.77	5.73	5.11	5.02	5,640	4.89	3.81	5.48	5.30	5.81
3.56	3.31	3.35	3.81	4.09	3.35	4.34	4,400	4.18	4.46	4.69	4.53	4.97
5.48	6.16	5.53	6.22	5.64	7.16	8.31	1,286	8.23	6.40	7.64	8.80	8.51
4.72	5.36	4.88	5.27	4.94	5.25	5.37	4,007	5.40	4.53	4.76	5.81	5.81
4.34	5.22	5.38	4.82	5.27	5.10	5.83	2,637	5.21	4.95	5.56	5.78	5.84
3.94	4.46	3.98	4.98	3.63	3.60	4.59	23,500	4.56	4.21	4.78	4.96	4.85
4.55	5.61	5.04	5.01	4.78	4.82	5.00	1,666	5.70	4.80	5.39	5.79	6.18
5.23	5.01	4.48	4.39	5.09	5.17	4.70	3,960	4.13	3.31	3.59	3.55	3.76
4.46	5.08	5.17	6.32	4.57	5.01	6.01	15,897	5.36	5.00	5.22	5.88	6.45
4.77	5.33	6.29	6.87	5.51	6.44	7.41	802	6.79	5.54	6.27	6.98	7.99
4.43	4.29	3.25	3.56	3.85	3.64	4.11	646	4.40	4.89	4.47	4.53	4.83
4.43	5.64	4.90	5.08	3.92	4.58	4.10	10,645	4.74	5.50	5.11	6.09	6.54
6.05	5.95	6.73	6.31	7.61	7.43	6.69	2,030	8.09	6.39	9.13	9.06	10.37
5.94	5.68	4.97	6.28	4.56	5.71	7.58	2,670	8.88	7.76	8.45	9.64	9.61
5.70	6.06	5.78	6.09	6.64	6.59	7.15	641	6.85	7.42	8.48	9.09	9.35
5.44	5.79	4.97	3.96	5.81	4.48	4.48	880	5.01	6.63	5.93	6.52	6.73
4.59	5.58	5.55	5.22	4.71	5.31	5.24	1,444	5.37	5.08	5.72	5.78	5.84
4.47	4.89	4.84	5.46	4.51	4.84	4.73	309,882	4.92	4.56	5.09	5.75	5.53

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

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

1951

DRAIN	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
Eagle Drain	1,910	4,492	4,022	4,046	3,308	2,598	20,376
Star Feeder	1,812	4,448	5,536	5,810	5,812	4,736	28,154
Watts Check	1,054	2,948	2,464	2,546	1,884	1,756	12,652
Long Feeder	838	1,726	2,034	1,416	1,404	1,620	9,038
South Middleton Drain	2,206	5,656	5,190	5,152	3,992	3,808	26,004
North Middleton Drain	2,070	4,898	3,546	3,312	3,126	3,146	20,098
Willow Creek	826	2,764	1,488	3,230	2,356	1,888	12,552
Hartley Drain	868	1,866	2,760	3,166	3,314	2,582	14,556
Hartley Gulch	1,090	2,486	1,590	1,260	1,136	1,070	8,632
Totals	12,674	31,284	28,630	29,938	26,332	23,204	152,062
Average Daily Flow in Second Feet	211	505	477	483	425	387	415
Acre feet per Acre	.44	1.08	.99	1.03	.90	.80	5.24

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

1951

	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL	ACRE FEET PER ACRE	
12	4,022	4,046	3,308	2,598	20,376	1932	2.36
18	5,536	5,810	5,812	4,736	28,154	1933	2.36
18	2,464	2,546	1,884	1,756	12,652	1934	2.41
26	2,034	1,416	1,404	1,620	9,038	1935	2.27
56	5,190	5,152	3,992	3,808	26,004	1936	2.55
98	3,546	3,312	3,126	3,146	20,098	1937	2.37
64	1,488	3,230	2,356	1,888	12,552	1938	2.84
66	2,760	3,166	3,314	2,582	14,556	1939	2.32
86	1,590	1,260	1,136	1,070	8,632	1940	2.51
284	28,630	29,938	26,332	23,204	152,062	1941	2.80
						1942	2.72
505	477	483	425	387	415	1943	3.10
108	.99	1.03	.90	.80	5.24	1944	2.49
						1945	2.73
						1946	2.70
						1947	3.26
						1948	2.87
						1949	3.09
						1950	4.48
						1951	5.24

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

1951

[illegible]

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

1951

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL	ACRE FEET
Average Daily Flow in Second Feet	15.0	23.3	25.9	27.0	24.1	19.3	22.4	1937 1938 1939
Total Monthly Flow in Acre Feet	898	1442	1552	1674	1482	1160	8208	1940 1941
Acre Feet per Acre	.36	.58	.62	.67	.59	.46	3.28	1942 1943 1944 1945 1946 1947 1948 1949 1950 1951

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

1951

MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL	ACRE FEET PER ACRE	
6.1	19.6	19.8	18.8	15.2	16.2	1937	.83
						1938	.83
0	1176	1226	1164	914	5940	1939	1.00
						1940	1.01
.24	.28	.29	.28	.21	1.41	1941	.90
						1942	1.04
						1943	1.12
						1944	1.08
						1945	1.10
						1946	1.24
						1947	1.65
						1948	1.01
						1949	1.07
						1950	1.25
						1951	1.41

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

1951

MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL	ACRE FEET PER ACRE	
23.3	25.9	27.0	24.1	19.3	22.4	1937	2.36
						1938	2.25
						1939	3.60
42	1552	1674	1482	1160	8208	1940	2.36
						1941	2.30
.58	.62	.67	.59	.46	3.28	1942	2.59
						1943	2.72
						1944	2.59
						1945	2.67
						1946	2.68
						1947	2.51
						1948	2.71
						1949	3.03
						1950	3.12
						1951	3.28

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
April		447	939		1093	822	441	1075	903	650	412	681	304	711
May		861	1192	1214	1247	1008	629	1475	741	1228	644	350	638	860
June		545	1191	1341	1281	1048	817	880	963	1200	594	1123	588	946
July	465	498	1006	1179	756	598	697	888	836	877	372	935	412	902
Aug.	276	381	727	690	785	558	630	811	713	800	341	799	376	728
Sept.	469	460	739	715	938	549	596	814	618	863	311	880	496	839
Average	403	533	964	1027	1011	763	635	990	795	739	446	794	469	831

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

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928
April															
May															
June											339		343		
July	357	249			431	352			547		192		275		4
Aug.	213	245	503	425	503	325	426	526	474	574	165	470	232	455	3
Sept.	280	300	540	386	500	307	420	512	439	613	177	560	287	592	4
Average	275	281	521	409	490	328	424	519	467	593	218	515	284	524	42

SUMMARY TABLE IN SECOND FLEET
SHOWING RETURN FLOW TO BOISE RIVER

RETURN FLOW TO ENTIRE RIVER

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
681	304	711	839	467	274	336	423	488	348	212	185	357	593
350	638	860	983	600	758	670	1825	1300	724	815	976	685	1355
1123	588	946	1140	1077	869	694	1243	929	839	1204	1147	987	1373
935	412	902	706	538	673	386	980	658	515	669	735	590	1213
799	376	728	552	483	626	345	555	551	374	504	589	464	753
880	456	839	698	571	658	384	581	540	454	505	713	473	823
794	469	831	820	623	643	469	534	744	542	652	725	594	1018

RETURN FLOW TO SECTION ONE

1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	1938
	214												
	137		222	137	260	158	336	216	204	257	343	273	
328	144	272	187	170	230	157	183	247	110	201	294	165	242
323	209	247	257	184	262	167	183	177	168	197	377	168	233
325	176	260	222	164	251	161	234	213	161	218	338	208	238

RETURN FLOW TO SECTION TWO

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

ET

RIVER

ER

1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
488	348	212	185	357	593	259	607	547	558	533	370	287	461	57
1300	724	815	976	685	1355	956	955	1269	1091	491	591	779	872	109
929	839	1204	1147	987	1373	875	879	1334	1000	778	1223	972	1028	126
658	515	669	735	598	1213	605	637	746	648	885	657	914	895	91
551	374	504	589	464	753	505	535	746	637	891	589	675	776	74
540	454	505	713	473	823	660	716	840	681	945	652	697	843	95
744	542	652	725	594	1018	643	721	914	769	754	680	711	812	92

ONE

1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
216	204	257	343	273		246	213	290	92		139	250	228	33
247	110	201	294	185	242	221	212	269	227	170	196	186	294	31
177	168	197	377	168	233	249	222	267	190	219	200	203	198	31
213	161	218	338	208	238	239	216	275	169	195	178	213	240	32

TWO

1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947
409	314	412	438	326		358	422	479	556		518	664	666	59
325	264	305	329	280	511	281	323	482	409	567	393	489	529	45
361	286	308	376	305	590	411	494	578	491	538	452	493	645	65
365	288	341	381	303	550	350	413	513	485	552	454	549	613	56

Chart No. 19

1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
259	607	547	558	533	370	287	461	579	17	479	712
956	955	1269	1091	491	591	779	872	1098	680	1213	1018
875	879	1334	1000	778	1223	972	1028	1265	701	1168	1326
605	637	746	648	885	657	914	895	916	924	893	1203
505	535	746	637	891	589	675	776	742	894	765	1185
660	716	840	681	945	652	697	843	951	980	832	1112
643	721	914	769	754	680	711	812	925	699	892	1093

1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
246	213	290	92		139	250	228	331	214	282	343
221	212	269	227	170	196	186	294	316	350	287	378
249	222	267	190	219	200	203	198	317	310	271	331
239	216	275	169	195	178	213	240	321	291	280	351

1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950
358	422	479	556		518	664	666	591	732	611	860
281	323	482	409	567	393	489	529	459	564	478	807
411	494	578	491	538	452	493	645	657	679	561	781
350	413	513	485	552	454	549	613	569	658	550	816

RETURN FLOW TO ENTIRE RIVER

1951

April	1003
May	1223
June	1456
July	1381
Aug.	1362
Sept	1296

Average	1287
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RETURN FLOW TO SECTION 1

July	460
Aug.	426
Sept.	360

Average	415
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RETURN FLOW TO SECTION 2

July	921
Aug.	936
Sept.	936

Average	931
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DISTRIBUTION OF DRAINAGE WATER
TO VARIOUS CANALS
1950

Drainage District No. 2

	Percent of Total		Percent of Total
Farmers Union	20.99	Canyon County	12.68
Boise Valley	10.03	Ballantine	3.04
New Dry Creek	9.47	Boise City	3.01
New Union	1.21	Consumers	.11
Middleton Canal	35.00	Little Pioneer	4.46

The credits given above are based on a drainage flow of 100 second feet while canal deliveries are 100 percent.

Judge Brink order, August, 1928, gives 90 inches additional to Farmers Union.

Drainage District No. 3

	Percent of Total		Percent of Total
Board of Control	49	Rossi Mill	10
Ridenbaugh	24	Meeves	2
Bubb (South Boise)	15		

The credits given are based upon a drainage discharge of 15 second feet while canal deliveries are 100 percent.

Drainage District No. 4

	Inches
Thurman Mill	570.98
Ridenbaugh	51.34
Warm Springs Slough	127.68

The credits above are based on a drainage discharge of 750 inches, and the amounts are a direct court order.

INTERVENORS - STEWART DECREE
BOISE RIVER

NUMBER	DATE	NAME	CANAL	AMOUNT DECREED	
				SEC. FT.	INCHES
66-A	4-1-1878	J. S. Kraus	Ballantine	.80	40
129-A	4-1-1897	H. E. Plain	Dry Creek	.54	27
66-C	4-1-1878	J. W. Kolander	Ballantine	1.40	70
66-D	4-1-1878	M. T. Griffith	Ballantine	.80	40
73-A	4-1-1880	Goble & Songer	Dry Creek	.54	27
75-A	6-1-1880	C. B. Frank	Dry Creek	.816	40.80
136	5-1-1906	H. E. Wymer	Ballantine	.356	17.80
85-A	6-1-1882	Leo Marsters	Warm Springs	1.60	80
137	5-1-1909	B. P. Weaverling	Mace & Mace	1.60	80
138	6-14-1912	Wesley A. Mace	Catlin & Mace	.40	20
85-C	5-1-1883	Wm. Huckba	Dry Creek	.203	10.15
85-D	5-1-1883	C. H. Schmelzer	Ballantine	.7506	37.53
85-E	5-1-1883	C. W. McClurg	Dry Creek	.35	17.50
124-A	5-1-1893	W. D. Charters	" "	.75	37.50
85-B	4-1-1883	Jacob Bingham	Settlers	1.00	50
77-A	4-15-1882	Roc Helms	Riverside Irrig. Dist.	3.674	183.70
8-A	4-1-1865	Adolph Bahler	Bahler	.80	40
47-A	4-1-1870	" "	"	.80	40
35-A	6-1-1867	Ralph T. Knight	Canyon County	1.76	8
116-A	6-1-1890	Anna Spencer	Riverside Irrig. Dist.	.72	3
116-B	6-1-1890	Willis B. Spencer	" " "	.10	5
116-C	6-1-1890	Rebecca Bell	" " "	.40	20
114-A	5-1-1889	Neil & Patrick O'Donnell	O'Donnell & Barth	1.60	80
114-B	5-1-1889	Gus A. Barth	" "	.80	40
77-A	6-1-1881	" "	Parma Ditch Co.	1.60	80
77-B	6-1-1881	Charles Jurries	" " "	.34	17
77-C	6-1-1881	James Finlay	" " "	.80	40
77-D	6-1-1881	Lester J. Shippy	" " "	1.30	65
31-A	6-1-1866	Wm. Musser	Lawrence & Kennedy	2.30	115
31-B	6-1-1866	Minnie & Jerry Couzens	Middleton Water	.60	30
31-C	6-1-1866	Albert C. Bowerman	Lawrence & Kennedy	1.10	55
71-A	4-1-1879	Island Highline Ditch Co.		3.00	150
137-A	4-1-1910	" " " "		7.00	350
139	4-1-1915	" " " "		10.00	500
75-A	1880	Albert Lemp et al	Larsen-Baxter & Lemp	3.20	160
29-A	1865	Louise Slomonsen	Lemp Ditch-Eagle Island	6.00	300
8-B	4-1-1865	First Nat. Bank of Pueblo	Bubb	1.80	90
29-B	1865	S. G. Hardies & Amelia Sisley	Bubb	.50	25
51-A	1870	" " " "	"	1.00	50
116-A	1889	" " " "	"	.84	42

CHART 21

INTERVENORS - STEWART DECREE
BOISE RIVER

CANAL	AMOUNT DECREED		DEPT. OF REC. FILE NO.
	SEC. FT.	INCHES	
Ballantine	.80	40	373
Dry Creek	.54	27	373
Ballantine	1.40	70	373
Ballantine	.80	40	373
Dry Creek	.54	27	373
Dry Creek	.816	40.80	380
Ballantine	.356	17.80	325
Warm Springs	1.60	80	324
Mace & Mace	1.60	80	294
Catlin & Mace	.40	20	293
Dry Creek	.203	10.15	321
Ballantine	.7506	37.53	320
Dry Creek	.35	17.50	319
" "	.75	37.50	318
Settlers	1.00	50	317
Riverside Irrig. Dist.	3.674	183.70	295
Bahler	.80	40	412
"	.80	40	412
Canyon County	1.76	88	419
Riverside Irrig. Dist.	.72	36	12-A Misc.
" " "	.10	5	" "
" " "	.40	20	" "
O'Donnell & Barth	1.60	80	466
" "	.80	40	467
Parma Ditch Co.	1.60	80	467
" " "	.34	17	467
" " "	.80	40	467
" " "	1.30	65	467
Lawrence & Kennedy	2.30	115	482
Middleton Water	.60	30	482
Lawrence & Kennedy	1.10	55	482
" "	3.00	150	491
" "	7.00	350	491
" "	10.00	500	491
Larsen-Baxter & Lemp	3.20	160	496
Lemp Ditch-Eagle Island	6.00	300	496
Bubb	1.80	90	497
Bubb	.50	25	498
" "	1.00	50	498
" "	.84	42	498

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF

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

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

Date of Change	Priority		No. of Acres	Quantity in Inches	By Whom	
	No.	Date				
4-2-1912	96	10-1-87	80		Thos. T. Johnston	
-31-1912					Albert F. Clemons	
-26-1918			50	50	J. C. Hughes	
-15-1919					Ed Davis	
4-3-1919			160	100	Rebecca Bell	
-12-1918	35	6-1-67		19	Draper & Others	
-24-1915				52	Shafer & Others	
-12-1918					George Rambo	
-26-18					Jas. D. Ruark	To
3-31-1920	19	6-1-65		144	John S. Swisher	
3-31-1920	20	6-1-65		320	Bird Bowman	
4-24-1920	35	6-1-67		55½	H. G. Dudley	Foot
12-2-1920	65	6-1-77	35	30	Edward McClintick	
3-18-1921	31	6-1-66		130	W. Kennedy	
6-22-1921	31-B	6-1-66		30	Minnie Couzens	
2-21-1921	102	6-1-88		10	Harry Seavey	
1-25-1924				25	Detweed Etc. Bank	
3-12-1925	85-B	4-1-83		50	Jacob Bingham	
4-26-1925	8-A	4-1-65	80	40	Adolph Bahler	
4-26-1925	47-A	4-1-70		40	Adolph Bahler	
4-29-1926				36	Leo Marsters	
3-9-1926	65	6-1-77		40	J. C. Ralph	
-7-1926				25	J. C. Bruce	
-23-1926	103			32½	Ira E. Barber	Not
0-3-1928					Charles Jurries	Secr
3-25-1931	31-A	6-1-66		115	Wm. Musser	
-15-1930		6-1-65		40	Wm. Baxter	
-16-32	89	11-9-83		35	R. E. McGuire	
-23-1934	85-D	5-1-83		3	Chas. H. Schmelzer	Belc
-18-1934		7-9-12			Fischer Power Only	
-8-1936		6-1-67		10	Cora M. Clifton	
-17-1936	96	10-1-87		75	Dora Greer	Decr
-10-1937		5-1-93		6¼	J. H. Cone	
-15-1937		4-1-70		40	Adolph Bahler	
-15-1937		5-1-95		50	Adolph Bahler	
-15-1937		4-1-65		40	Adolph Bahler	
-27-1939		6-1-65		5	Raymond T. Breshears	
5-5-1940	103	6-1-88		32½	Sid Barber	
-28-1944	103	6-1-88		12	Frank M. Ray	
-11-1944		6-1-83		85	Wilbur Breshears	
-18-1944		6-1-78		440	Charlottie D. Allen	
3-31-1945	5)	6-1-64)		12	Idaho Fish & Game Dept.	
	52)	6-1-71)				

DECREEED RIGHTS ON BOISE RIVER

CHART 22

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

Number of
Transfer

Point of Diversion
From To

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

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

WATER 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 Assn.	Change in point of diversion only
3-31-1910	210	Nichols & Cooper	Change in point of diversion only
6-7-1910	20	J. P. Cleck	
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 Irr. Dist.	Licensed Right Indian Creek
4-20-1921	17.5	Emma M. Fowler	
4-20-1921	77	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. Bartlett	
4-26-1926	18.7	L. A. Rice	
5-6-1926	20	H. D. Parks	
5-6-1926	10	A. G. Wing	
7-8-1926	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	O. E. Allison	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	
5-15-34	15	A. B. Whitney	
12-31-1934	34.37	Federal Land Bank	
9-9-1938		Boise Trust Co.	Somermeir
9-9-1938		Boise Trust Co.	Falk
4-29-1940	50	W. F. Tracy	
11-12-1942	35	S. E. Smith	Larson Tract
10-18-1943	25	W. W. Howell	Hamming Tract
10-18-1943	50	W. W. Howell	Budge Tract
10-18-1943	25	D. W. Baldwin	
4-11-1944	30	W. W. Howell	Kenneth O. Earl
4-29-1946	8	W. W. Howell	L. R. Fewkes
4-29-1946	6	W. W. Howell	

TRANSFERS OF DECREEED RIGHTS ON BOISE RIVER							
Number of Transfer	Point of Diversion		Priority		Date of Transfer	Quantity In Inches	Tr
	From	To	No.	Date			
694	Consumers	Settlers	30	5-1-66	4-29-1946	7	W. W.
694	Consumers	Settlers	30	5-1-66	4-29-1946	13	W. W.
701	Consumers	New York	30	5-1-66	12-20-1946	100	W. W.
702	Consumers	Settlers	30	5-1-66	12-20-1946	30	W. W.
712	Consumers	Settlers	30	5-1-66	6-14-1947	10	W. W.
"	"	"	"	"	"	10	"
"	"	"	"	"	"	25	"
713	"	New Dry Creek	30	"	6-14-1947	27	"
717	Siebenberg	Farmers Coop.	9	6-1-65	11-25-1947	32	R. M.
720	Consumers	Settlers	30	5-1-66	5-4-1948	10	W. W.
720	"	"	"	"	"	10	"
720	"	"	"	"	"	7	"
720	"	"	"	"	"	10	"
720	"	"	"	"	"	20	"
720	"	"	"	"	"	10	"
736	Thurman Mill	"	37	6-1-68	3-9-1949	50	Aircraft Se
737	Consumers	"	30	5-1-66	3-9-1949	55	W. W. H
739	"	"	30	5-1-66	4-2-1949	7.5	W. W. H
753	"	"	30	5-1-66	4-14-1950	23	J. R. F.
754	"	Middleton Mill	30	5-1-66	4-14-1950	20	J. R. F.

SCREWED RIGHTS ON BOISE RIVER

Chart No. 23-A

Date of Transfer	Quantity In Inches	By Whom Transferred	Remarks
4-29-1946	7	W. W. Howell	O. G. Stark
4-29-1946	13	W. W. Howell	G. W. Kyle
12-20-1946	100	W. W. Howell	Rex Jensen (Boise-Kuna Irrig. Dist.)
12-20-1946	30	W. W. Howell	Mrs. Edith Curtis
6-14-1947	10	W. W. Howell	Clyde Simpson
"	10	"	John Demond
"	25	"	Len Simpson
6-14-1947	27	"	J. S. Beebe
11-25-1947	32	R. M. Tucker	
5-4-1948	10	W. W. Howell	W. E. Doty
"	10	"	Tom Erquiaga
"	7	"	Louis Odermott
"	10	"	W. H. Caldwell
"	20	"	Norman C. Steele
"	10	"	George Bert Roylance
3-9-1949	50	Aircraft Service Co.	
3-9-1949	55	W. W. Howell	
4-2-1949	7.5	W. W. Howell	
4-14-1950	23	J. R. Field	8" Hager Tract, 15" Kimble Tract
4-14-1950	20	J. R. Field	Brink Tract

No.	Date	Name	AMT. DECREED Sec.Ft. Inches	
1.	x6-1-64	Thomas Davis	2.20	110
2.	x6-1-64	Jacobs Canal Co.	20.00	1000
3.	x6-1-64	Middleton Mill Ditch	12.80	640
4.	x6-1-64	Thomas Andrews	3.30	165
5.	x6-1-64	Catlin & Mace	2.86	143
6.	x6-1-64	T. C. Catlin	3.30	165
7.	x6-1-64	C. C. Havird	3.30	165
8.	x6-1-64	Pioneer Dixey Ditch Co.	20.00	1000
9.	x6-1-65	Seibenberg Ditch Co.	13.42	671
10.	x6-1-65	Allen V. Webster	1.20	60
11.	x6-1-65	J. F. Yaryan	.66	33
12.	x6-1-65	Graham & Gilbert	4.40	220
13.	x6-1-65	Eureka Water Co.	33.32	1666
14.	x6-1-65	New Union Ditch Co.	13.76	688
15.	x6-1-65	Boise Valley Irrig. Ditch Co.	54.58	2729
16.	x6-1-65	Ridenbaugh & Rossi	9.20	460
17.	x6-1-65	Ridenbaugh & Rossi (Power)	265.80	13290
18.	x6-1-65	Denver & Idaho Land Co.	.80	40
19.	x6-1-65	Martha Bowman	2.88	144
20.	x6-1-65	Bird Bowman	6.40	320
21.	x6-1-65	G. W. Gess	2.90	145
22.	x6-1-65	Robert McGuire	3.20	160
23.	x6-1-65	C. W. Cooper	3.20	160
24.	x6-1-65	J. W. Roland	2.40	120
25.	x6-1-65	Draper & Wells	3.94	197
26.	x6-1-65	Thomas J. Palmer	1.60	80
27.	x6-1-65	Noah W. Palmer	1.58	79
28.	x6-1-65	J. N. Tucker	7.00	350
29.	x6-1-65	Thomas Andrews	6.00	300
30.	x5-1-66	J. Perrault & Johnson, R.	50.00	2500
31.	x6-1-66	William P. Kennedy	2.60	130
32.	x6-1-66	Manville & Leonard	3.50	175
33.	6-1-66	Boise City Canal Co.	38.06	1903
34.	6-1-66	Franklin Ditch Co.	15.40	770
35.	6-1-67	Canyon Co. Water Co.	75.80	3790
36.	6-1-68	Martha E. McCarthy	14.10	705
37.	6-1-68	H. D. & Dora Goodman	3.70	185
38.	x6-1-68	T. T. Johnson	3.20	160
39.	x6-1-68	Ross, Allen, Dilley & Ross	8.54	427
40.	6-1-68	S. S. Gray	1.40	70
41.	x6-1-69	John Mammon	1.80	90
42.	6-1-69	Isaac Pedal	1.60	80
43.	x6-1-69	Frederich Ode	3.60	180
44.	x6-1-69	Prior Burnett	8.50	425
45.	x6-1-69	Pioneer Dixie Ditch Co.	35.44	1772

No.	Date	Name	
46.	6-1-69	Mason Creek Ditch Co.	
47.	x6-1-69	T. W. Boone	
48.	6-1-70	W. J. Hamming	
49.	6-1-70	Pioneer Canal	
50.	6-1-69	Barber Lumber Co.	
51.	x6-1-70	Thomas Andrews	
52.	6-1-71	Catlin & Mace	
53.	6-1-71	Peter Meeves	
54.	6-1-71	Middleton Mill Ditch Co.	
55.	6-1-72	J. F. Yaryan	
56.	6-1-72	J. F. Yaryan	
57.	6-1-72	Mary C. Davis	
58.	6-1-72	Edward N. Hart	
59.	x6-1-74	J. W. Boone	
60.	x6-1-75	Farmers Cooperative Ditch Co.	10
61.	6-1-76	Edward & Mary Clark	2
62.	6-1-76	John Cecil	
63.	6-1-77	Thomas Aikens	5
64.	6-1-77	W. H. Conway	
65.	6-1-77	Middleton Water Co.	114.
66.	x7-1-77	Perrault & Johnson (Power)	200.
67.	5-1-78	Nampa-Meridian Irrig. D.	170.
68.	x6-1-78	John Mammon	4.
69.	x6-1-78	Julia Mammon	3.
70.	x6-1-78	Charles Allen	8.
71.	x6-1-78	R. H. Stockton	4.4
72.	6-1-79	New Dry Creek Ditch Co.	31.3
73.	x6-1-79	D. Mumford	4.0
74.	x6-1-80	Smith Stockton	1.7
75.	6-1-80	Isham Joplin	2.4
76.	10-20-80	Joseph Goble	.90
77.	10-29-80	Franklin Ditch Co.	27.60
78.	6-1-82	Allen V. Webster	.90
79.	6-1-82	Susie Campbell	.60
80.	6-1-82	J. T. Barber	1.60
81.	6-1-82	Sonora Joplin	3.40
82.	6-1-82	S. W. Hutchinson	.44
83.	6-1-82	Johnson	.44
84.	6-1-82	Andrew J. Joplin	2.86
85.	6-1-82	James L. Graham	2.20
86.	x6-1-83	Farmers Cooperative Ditch	20.00
87.	6-1-83	Francis M. Joplin	.90
88.	x6-1-83	W. A. Black	12.00
89.	x11-9-83	Eureka Ditch Co. No. 2	21.70
90.	6-1-84	Pioneer Irrig. District	53.10

x Indicates Rights supplied by return flow to River.

STEWART DECREE

Chart No. 2

AMT. DECREED
Sec.Ft. Inches

No. Date

Name

AMT. DECREED
Sec.Ft. Inch

on Creek Ditch Co.	37.20	1860	91. x 6-1-84	Riverside Irrig. Dist.	20.00	100
W. Boone	3.50	175	92. 10-17-84	Settlers Canal Co.	99.06	49
J. Hamming	2.60	130	93. 6-1-86	New Dry Creek Ditch	15.22	76
neer Canal	25.72	1286	94. 6-1-86	Thomas Davis	13.40	67
ber Lumber Co.	2.24	112	95. x 1-23-87	Wm. C., L. & E. Young	4.00	20
mas Andrews	1.30	65	96. x 10-1-87	American Ditch Assoc.	47.80	239
lin & Mace	7.86	393	97. 6-1-88	New Dry Creek Ditch Co.	7.86	39
er Meeves	1.80	90	98. 6-1-88	A. V. Linder	4.00	20
dleton Mill Ditch Co.	33.70	1685	99. 6-1-88	Levi Smith	1.30	6
F. Yaryan	.70	35	100. 6-1-88	Charlotte Calhoun	1.40	7
F. Yaryan	1.40	70	101. 6-1-88	Ed. J. Linder	1.46	71
y C. Davis	4.40	220	102. 6-1-88	Lizzie Everett	1.20	60
ward N. Hart	3.30	165	103. 6-1-88	Jessie Wilson	1.40	70
W. Boone	2.20	110	104. x 6-1-88	Thomas Andrews	.90	4
rmers Cooperative Ditch Co.	10.00	500	105. x 7-1-88	Farmers Cooperative Ditch Co.	50.00	2500
ward & Mary Clark	2.30	115	106. 8-20-88	Nampa-Meridian Irrigation D.	370.84	18542
an Cecil	.44	22	107. 5-1-89	Chas. S. Miller	.06	3
omas Aikens	5.20	260	108. 5-1-89	Lomms L. Hoseley	.02	1
H. Conway	.90	45	109. 5-1-89	S. & J. Utter & C. B. Taylor	2.40	120
ddleton Water Co.	114.08	5704	110. 5-1-89	South Boise Mutual Irrig. Co.	6.00	300
rrault & Johnson (Power)	200.00	10000	111. 5-1-89	Estate of J. H. Gallagher	2.94	147
mpa-Meridian Irrig. D.	170.00	8500	112. 5-1-89	Anna H. Fogarty	.05	2
hn Mammon	4.20	210	113. 5-1-89	Grace Call	.10	5
lia Mammon	3.36	168	114. 5-1-89	Samuel H. Canfield	.03	1
arles Allen	8.80	440	115. 6-1-89	Senora Joplin	.06	3
H. Stockton	4.40	220	116. 6-1-89	Sonora Joplin	1.20	60
w Dry Creek Ditch Co.	31.32	1566	117. 9-1-90	Pioneer Irrig. District	200.00	10000
Mumford	4.00	200	118. 6-1-91	W. H. Conway	2.20	11
ith Stockton	1.76	88	119. 6-1-91	Thomas Davis	.54	
ham Joplin	2.40	120	120. 6-1-91	Middleton Mill Ditch Co.	17.00	8
seph Goble	.90	45	121. x 6-1-91	Thomas Andrews	3.50	175
anklin Ditch Co.	27.60	1380	122. 6-1-91	Settlers Canal Co.	73.44	3672
len V. Webster	.90	45	123. 6-1-91	Thomas Aiken	.80	40
sie Campbell	.60	30	124. x 5-1-93	Riverside Irrig. District	80.00	4000
T. Barber	1.60	80	125. x 6-1-94	R. H. Stockton	1.76	88
nora Joplin	3.40	170	126. 7-2-94	Farmers Union Ditch Co.	110.00	5500
W. Hutchinson	.44	22	127. 5-1-95	Charles Rein & Jane Keoh	1.00	5
Johnson	.44	22	128. 7-1-95	Mathew Casey	.66	3
drew J. Joplin	2.86	143	129. x 7-1-96	Farmers Coop. Ditch Co.	83.50	417
mes L. Graham	2.20	110	130. x 10-1-99	Riverside Irrig. District.	20.00	100
rmers Cooperative Ditch	20.00	1000	131. 3-23-00	New York Canal Co.	219.10	109
ancis M. Joplin	.90	45	132. x 5-17-00	Canyon Ditch Co.	10.00	5
A. Plack	12.00	600	133. x 6-1-01	Riverside Irrig. District	70.00	35
reka Ditch Co. No. 2	21.70	1085	134. x 10-25-01	Canyon Ditch Co.	5.54	2
ioneer Irrig. District	53.10	2655	135. 4-1-04	Pioneer Irrig. District	56.34	28

nts supplied by return flow to River.

A. V. Tallman
Irrig. Engr.

TEWART DECREE

Chart No. 24

AMT. DECREEED ec.Ft. Inches		No.	Date	Name	AMT. DECREEED Sec.Ft. Inches	
37.20	1860	91.	x 6-1-84	Riverside Irrig. Dist.	20.00	1000
3.50	175	92.	10-17-84	Settlers Canal Co.	99.06	4953
2.60	130	93.	6-1-86	New Dry Creek Ditch	15.22	761
25.72	1286	94.	6-1-86	Thomas Davis	13.40	670
2.24	112	95.	x 1-23-87	Wm. C., L. & E. Young	4.00	200
1.30	65	96.	x 10-1-87	American Ditch Assoc.	47.80	2390
7.86	393	97.	6-1-88	New Dry Creek Ditch Co.	7.86	393
1.80	90	98.	6-1-88	A. V. Linder	4.00	200
33.70	1685	99.	6-1-88	Levi Smith	1.30	65
.70	35	100.	6-1-88	Charlotte Calhoun	1.40	70
1.40	70	101.	6-1-88	Ed. J. Linder	1.46	73
4.40	220	102.	6-1-88	Lizzie Everett	1.20	60
3.30	165	103.	6-1-88	Jessie Wilson	1.40	70
2.20	110	104.	x 6-1-88	Thomas Andrews	.90	45
10.00	500	105.	x 7-1-88	Farmers Cooperative Ditch Co.	50.00	2500
2.30	115	106.	8-20-88	Nampa-Meridian Irrigation D.	370.84	18542
.44	22	107.	5-1-89	Chas. S. Miller	.06	3
5.20	260	108.	5-1-89	Lommis L. Hoseley	.02	1
.90	45	109.	5-1-89	S. & J. Utter & C. E. Taylor	2.40	120
114.08	5704	110.	5-1-89	South Boise Mutual Irrig. Co.	6.00	300
200.00	10000	111.	5-1-89	Estate of J. H. Gallagher	2.94	147
170.00	8500	112.	5-1-89	Anna H. Fogarty	.05	2
4.20	210	113.	5-1-89	Grace Call	.10	5
3.36	168	114.	5-1-89	Samuel H. Canfield	.03	1
6.80	440	115.	6-1-89	Senora Joplin	.06	3
4.40	220	116.	6-1-89	Sonora Joplin	1.20	60
31.32	1566	117.	9-1-90	Pioneer Irrig. District	200.00	10000
4.00	200	118.	6-1-91	W. H. Conway	2.20	110
1.76	88	119.	6-1-91	Thomas Davis	.54	27
2.40	120	120.	6-1-91	Middleton Mill Ditch Co.	17.00	850
.90	45	121.	x 6-1-91	Thomas Andrews	3.50	175
27.60	1380	122.	6-1-91	Settlers Canal Co.	73.44	3672
.90	45	123.	6-1-91	Thomas Aiken	.80	40
.60	30	124.	x 5-1-93	Riverside Irrig. District	80.00	4000
1.60	80	125.	x 6-1-94	R. H. Stockton	1.76	88
3.40	170	126.	7-2-94	Farmers Union Ditch Co.	110.00	5500
.44	22	127.	5-1-95	Charles Rein & Jane Keoh	1.00	50
.44	22	128.	7-1-95	Mathew Casey	.66	33
2.86	143	129.	x 7-1-96	Farmers Coop. Ditch Co.	83.50	4175
2.20	110	130.	x 10-1-99	Riverside Irrig. District.	20.00	1000
20.00	1000	131.	3-23-00	New York Canal Co.	219.10	10955
.90	45	132.	x 5-17-00	Canyon Ditch Co.	10.00	500
12.00	600	133.	x 6-1-01	Riverside Irrig. District	70.00	3500
21.70	1085	134.	x 10-25-01	Canyon Ditch Co.	5.54	277
53.10	2655	135.	4-1-04	Pioneer Irrig. District	56.34	2817

A. V. Tallman
Irrig. Engr.

to River.

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

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

ART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25

Transfer	Priority		Stewart Decree	Intervenors		Amount Decreed		Total Sec. Ft.
	No.	Date		Stewart Decree	Bryan Decree	Inches		
	131	3-23-1900	219.10					
		3-23-1900						
		12-14-1903					10955	
		6-16-1909			58.86		2943	
111	8	6-1-1864)	20.34		1354.58		67729	
	45	6-1-1869)			926.50		46325	
111	96	10-1-1887	1.20				1017	
466	106	8-20-1888	8.90				60	
701	30	5-1-1866	2.00				445	
							100	2591.48
	67	5-1-1878	170.00					
	106	8-20-1888	370.84				8500	
392	65	6-1-1877	.40				18542	
	47-A	4-1-1870					20	
	127	5-1-1895	1.00	.80			40	
	8-A	4-1-1865					50	
466*	106	8-20-1888	8.90*	.80			40	
595	1	6-1-1864	.20				445*	
								535.14
	107	5-1-1889	.06					
	108	5-1-1889	.02				3	
	109	5-1-1889	2.40				1	
	110	5-1-1889	6.00				120	
	111	5-1-1889	2.94				300	
	112	5-1-1889	.05				147	
	113	5-1-1889	.10				2	
	114	5-1-1889	.03				5	
	8-B	4-1-1865		1.80			2	
	29-B	4-1-1865		.50			90	
	51-A	1870		1.00			25	
116-A		4-1-1889		.84			50	
		4-1-1905			5.40		42	
						270		21.14
	53	6-1-1871	1.80					
						90		1.80
	16	6-1-1865	9.20					
	18	6-1-1865	.80			460		
						40		10.00
	32	6-1-1866	3.50					
						175		3.50

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decree
			No.	Date		Stewart Decree	Bryan Decree	
Davis			94	6-1-1886	13.40			
Little Davis			119	6-1-1891	.54			
Settlers			92	10-17-1884	99.06			
		347	122	6-1-1891	73.44			
		349	3	6-1-1864	.14			
		350	3	6-1-1864	.14			
		357	3	6-1-1864	.14			
		412	65	6-1-1877	.20			
	76		81	6-1-1882	.40			
	83		85-B	4-1-1883				
			85-A	6-1-1882		1.00		
		430	65	6-1-1877	.25	.72		
		595	1	6-1-1864	.20			
		654	30	5-1-1866	.50			
		654	30	5-1-1866	1.00			
		654	30	5-1-1866	.50			
		694	30	5-1-1866	.16			
		694	30	5-1-1866	.12			
		694	30	5-1-1866	.14			
		694	30	5-1-1866	.26			
		702	30	5-1-1866	.60			
		712	30	5-1-1866	.20			
		712	30	5-1-1866	.20			
		712	30	5-1-1866	.50			
		720	30	5-1-1866	1.34			
		736	37	6-1-1868	1.00			
		737	30	5-1-1866	1.10			
		739	30	5-1-1866	.15			
		753	30	5-1-1866	.46			
Thurman Mill			7	6-1-1864	3.30			
			10	6-1-1865	1.20			
			11	6-1-1865	.66			
			36	6-1-1868	14.10			
			37	6-1-1868	3.70			
			42	6-1-1869	1.60			
			55	6-1-1872	.70			
			56	6-1-1872	1.40			
			62	6-1-1876	.44			
			75	6-1-1880	2.40			
			76	10-20-1880	.90			
			78	6-1-1882	.90			
			79	6-1-1882	.60			
			81	6-1-1882	2.60			
			84	6-1-1882	1.50			
			87	6-1-1883	.90			
			128	7-1-1895	.66			
		412*	81	6-1-1882	.40*			
		736*	37	6-1-1868	1.00*			

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Transfer	Priority		Stewart Decree	Amount Decreed			Total Sec. Ft.
	No.	Date		Intervenors Stewart Decree	Bryan Decree	Inches	
	94	6-1-1886	13.40				
	119	6-1-1891	.54			670	13.40
	92	10-17-1884	99.06			27	.54
47	122	6-1-1891	73.44			4953	
49	3	6-1-1864	.14			3672	
50	3	6-1-1864	.14			7	
57	3	6-1-1864	.14			7	
2	65	6-1-1877	.20			7	
	81	6-1-1882	.40			10	
	85-B	4-1-1883				20	
30	85-A	6-1-1882		1.00		50	
5	65	6-1-1877	.25	.72		36	
4	1	6-1-1864	.20			12.5	
4	30	5-1-1866	.50			10	
4	30	5-1-1866	1.00			25	
4	30	5-1-1866	.50			50	
4	30	5-1-1866	.16			25	
4	30	5-1-1866	.12			8	
4	30	5-1-1866	.14			6	
2	30	5-1-1866	.26			7	
2	30	5-1-1866	.60			13	
2	30	5-1-1866	.20			30	
2	30	5-1-1866	.20			10	
0	30	5-1-1866	.50			10	
6	30	5-1-1866	1.34			25	
7	37	6-1-1868	1.00			67	
9	30	5-1-1866	1.10			50	
3	30	5-1-1866	.15			55	
	30	5-1-1866	.46			7.5	
	7	6-1-1864	3.30			23	183.92
	10	6-1-1865	1.20			165	
	11	6-1-1865	.66			60	
	36	6-1-1868	14.10			33	
	37	6-1-1868	3.70			705	
	42	6-1-1869	1.60			185	
	55	6-1-1872	.70			80	
	56	6-1-1872	1.40			35	
	62	6-1-1876	.44			70	
	75	6-1-1880	2.40			22	
	76	10-20-1880	.90			120	
	78	6-1-1882	.90			45	
	79	6-1-1882	.60			45	
	81	6-1-1882	2.60			30	
	84	6-1-1882	1.50			130	
	87	6-1-1883	.90			75	
128	7-1-1895	.66				45	
*	81	6-1-1882	.40*			33	
*	37	6-1-1868	1.00*			20*	37.16
						50*	36.16

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decree
			No.	Date		Stewart Decree	Bryan Decree	
Penitentiary	46		50	6-1-1866	2.24			
Crusian (Consumers)								
		654*	30	5-1-1866	50.00			
		654*	30	5-1-1866	.50*			25
		654*	30	5-1-1866	1.00*			
		694*	30	5-1-1866	.50*			
		694*	30	5-1-1866	.16*			2
		694*	30	5-1-1866	.12*			
		694*	30	5-1-1866	.14*			
		701*	30	5-1-1866	.26*			7
		702*	30	5-1-1866	2.00*			13
		712*	30	5-1-1866	.60*			100*
		712*	30	5-1-1866	.20*			30*
		712*	30	5-1-1866	.20*			10*
		713*	30	5-1-1866	.50*			10*
		720*	30	5-1-1866	.54*			25*
		737*	30	5-1-1866	1.34*			27*
		739*	30	5-1-1866	1.10*			67*
		753*	30	5-1-1866	.15*			55*
		754*	30	5-1-1866	.46*			7.5*
					.40*			23*
Boise City								20*
		370*	33	6-1-1866	38.06			
		373*	33	6-1-1866	1.124*			1903
			33	6-1-1866	.374*			56.2*
								18.7*
Farmers Union								
		136	126	7-2-1894	110.00			5500
		370	2	6-1-1864	20.00			1000
		373	33	6-1-1866	1.124			56.2
		374	33	6-1-1866	.374			18.7
		375	65	6-1-1877	.40			20
		384	65	6-1-1877	.20			10
		385	65	6-1-1877	.40			20
		386	65	6-1-1877	.266			13.3
		387	65	6-1-1877	.40			20
		391	65	6-1-1877	.40			20
		391	3)	6-1-1864				
		391	54)	6-1-1871	.15			7.5
		393	3	6-1-1864)				
		393	54	6-1-1871)	.288			14.4
		393	120	6-1-1891)				
		395	65	6-1-1877	.50			25
		430*	65	6-1-1877	.25*			12.5*
	84		65	6-1-1877	.80			40
		512	1	6-1-1864	1.00			50
		513	1	6-1-1864	.50			25
		530	1	6-1-1864	.30			15
				7-2-1894				
						54.46	2723	191.

*Subtract

BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-B

Priority No.	Date	Amount Decreed			
		Stewart Decree	Intervenors Stewart Decree	Bryan Decree	Total Sec. Ft.
50	6-1-1866	2.24			
				112	2.24
30	5-1-1866	50.00			
30	5-1-1866	.50*		2500	
30	5-1-1866	1.00*		25*	
30	5-1-1866	.50*		50*	
30	5-1-1866	.10*		25*	
30	5-1-1866	.12*		8*	
30	5-1-1866	.14*		6*	
30	5-1-1866	.26*		7*	
30	5-1-1866	2.00*		13*	
30	5-1-1866	.60*		100*	
30	5-1-1866	.20*		30*	
30	5-1-1866	.20*		10*	
30	5-1-1866	.50*		10*	
30	5-1-1866	.54*		25*	
30	5-1-1866	1.34*		27*	43.28
30	5-1-1866	1.10*		67*	41.94
30	5-1-1866	.15*		55*	
30	5-1-1866	.46*		7.5*	
30	5-1-1866	.40*		23*	
				20*	39.83
33	6-1-1866	38.06			
33	6-1-1866	1.124*		1903	
33	6-1-1866	.374*		56.2*	
				18.7*	36.562
126	7-2-1894	110.00		5500	
2	6-1-1864	20.00		1000	
33	6-1-1866	1.124		56.2	
33	6-1-1866	.374		18.7	
65	6-1-1877	.40		20	
65	6-1-1877	.20		10	
65	6-1-1877	.40		20	
65	6-1-1877	.266		13.3	
65	6-1-1877	.40		20	
65	6-1-1877	.40		20	
3)	6-1-1864				
54)	6-1-1871	.15		7.5	
3	6-1-1864)				
54	6-1-1871)	.288		14.4	
120	6-1-1891)				
65	6-1-1877	.50		25	
65	6-1-1877	.25*		12.5*	
65	6-1-1877	.80		40	
1	6-1-1864	1.00		50	
1	6-1-1864	.50		25	
1	6-1-1864	.30		15	
	7-2-1894		54.46	2723	191.312

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D. Transfer	Priority		Stewart Decree	Intervenors	
		No.	Date		Stewart Decree	Bryan Decree
Boise Valley		15	6-1-1865	54.58		
New Union		14	6-1-1865	13.76		
New Dry Creek		72	6-1-1879	31.32		
		93	6-1-1886	15.22		
		97	6-1-1888	7.86		
		129-A	4-1-1897		.54	
		75-A	4-1-1880		.54	
		75-A	6-1-1880		.816	
		85-C	5-1-1883		.203	
		85-E	5-1-1883		.35	
		124-A	5-1-1893		.825	
	300	3	6-1-1864)			
	300	54	6-1-1871)	.35		
	300	120	6-1-1891)			
	301	3)	6-1-1864			
	301	54)	6-1-1871	1.54		
	301	120)	6-1-1891			
64		102	6-1-1888	.20		
140		85-D	5-1-1883		.06	
151*		124-A	5-1-1893		.135*	
161		103	6-1-1888	.65		
174		103	6-1-1888	.24		
	713	30	5-1-1866	.54		
Ballantine		98	6-1-1888	4.00		
		99	6-1-1888	1.30		
		100	6-1-1888	1.40		
		101	6-1-1888	1.46		
		102	6-1-1888	1.20		
		103	6-1-1888	1.40		
		123	6-1-1891	.80		
		66-A	4-1-1878		.80	
		66-C	4-1-1878		1.40	
		66-D	4-1-1878		.80	
		85-D	5-1-1883		.7506	
		136	5-1-1906		.356	
57		65	6-1-1877	.60		
64*		102	6-1-1888	.20*		
140*		85-D	5-1-1883		.06*	
151		124-A	5-1-1893		.135	
161*		103	6-1-1888	.65*		
174*		103	6-1-1888	.24*		

*Subtract

AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-C

Transfer	Priority		Stewart Decree	Intervenors		Amount Decreed	
	No.	Date		Stewart Decree	Bryan Decree	Inches	Total Sec. Ft.
	15	6-1-1865	54.58			2729	54.58
	14	6-1-1865	13.76			688	13.76
	72	6-1-1879	31.32				
	93	6-1-1886	15.22			1566	
	97	6-1-1888	7.86			761	
	129-A	4-1-1897				393	
	75-A	4-1-1880		.54		27	
	75-A	6-1-1880		.54		27	
	85-C	5-1-1883		.816		40.8	
	85-E	5-1-1883		.203		10.15	
	124-A	5-1-1893		.35		17.5	
	3	6-1-1864)		.825		41.25	
	54	6-1-1871)	.35				
	120	6-1-1891)				17.5	
	3)	6-1-1864					
	54)	6-1-1871	1.54			77	
	120)	6-1-1891					
	102	6-1-1888	.20			10	
	85-D	5-1-1883		.06		3	
	124-A	5-1-1893		.135*		6.75*	
	103	6-1-1888	.65			32.5	
	103	6-1-1888	.24			12	
	30	5-1-1866	.54			27	61.119
	98	6-1-1888	4.00			200	
	99	6-1-1888	1.30			65	
	100	6-1-1888	1.40			70	
	101	6-1-1888	1.46			73	
	102	6-1-1888	1.20			60	
	103	6-1-1888	1.40			70	
	123	6-1-1891	.80			40	
	66-A	4-1-1878		.80		40	
	66-C	4-1-1878		1.40		70	
	66-D	4-1-1878		.80		40	
	85-D	5-1-1883		.7506		37.53	
	136	5-1-1906		.356		17.8	
	65	6-1-1877	.60			30	
	102	6-1-1888	.20*			10*	
	85-D	5-1-1883		.06*		3*	
	124-A	5-1-1893		.135		6.75	
	103	6-1-1888	.65*			32.5*	
	103	6-1-1888	.24*			12*	15.25

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chs

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Amount Decreased		
			No.	Date		Intervenors Stewart Decree	Bryan Decree	Inche
Middleton Water	36		65	6-1-1877	114.08			5704
	57*		35	6-1-1867	.38			19
	61		65	6-1-1877	.60*			30*
	84*		31-B	6-1-1866				30
	126		65	6-1-1877	.80*	.60		40*
		357*	31-A	6-1-1866		2.30		115
		374*	65	6-1-1877	.20*			10*
		375*	65	6-1-1877	.40*			20*
		384*	65	6-1-1877	.20*			10*
		385*	65	6-1-1877	.40*			20*
		386*	65	6-1-1877	.266*			13.3*
		387*	65	6-1-1877	.40*			20*
		392*	65	6-1-1877	.40*			20*
		395*	65	6-1-1877	.50*			20*
								25*
								11

Middleton Mill

		3	6-1-1864	12.80				640
		40	6-1-1868	1.40				70
		54	6-1-1871	33.70				1685
54		120	6-1-1891	17.00				850
75*		35	6-1-1867	1.11				55.5
147*				.50*				25*
	300*	35	6-1-1867	.20*				10*
	300*	3)	6-1-1864					17.5*
	300*	54)	6-1-1871	.35*				77*
	301*	120)	6-1-1891					7*
	301*	3	6-1-1864)	1.54*				7*
	301*	54	6-1-1871)					7.5*
	301*	120	6-1-1891)					14.4*
	347*	3	6-1-1864	.14*				62.562
	349*	3	6-1-1864	.14*				62.962
	350*	3	6-1-1864	.14*				
	391*	3	6-1-1864)	.15*				
	391*	54	6-1-1871)					
	393*	3)	6-1-1864	.288*				
	393*	54)	6-1-1871					
	393*	120)	6-1-1891					
	754	30	5-1-1866	.40				

Pioneer	49	6-1-1870	25.72					
Lawrence & Kennedy	31-C	6-1-1866	1.10			1286	25.72	
						55	1.10	

*Subtract

IAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-D

Priority No.	Date	Stewart Decree	Amount Decreed			Total Sec. Ft.
			Intervenors Stewart Decree	Bryan Decree	Inches	
65	6-1-1877					
35	6-1-1867	114.08				
65	6-1-1877	.38				
31-B	6-1-1866	.60*			5704	
65	6-1-1877				19	
31-A	6-1-1866	.80*	.60		30*	
65	6-1-1877				30	
65	6-1-1877	.20*	2.30		40*	
65	6-1-1877	.40*			115	
65	6-1-1877	.20*			10*	
65	6-1-1877	.40*			20*	
65	6-1-1877	.266*			10*	
65	6-1-1877	.40*			20*	
65	6-1-1877	.40*			13.3*	
65	6-1-1877	.40*			20*	
65	6-1-1877	.40*			20*	
		.50*			20*	
					25*	112.794
3	6-1-1864	12.80				
40	6-1-1868	1.40			640	
54	6-1-1871	33.70			70	
120	6-1-1891	17.00			1685	
35	6-1-1867	1.11			850	
		.50*			55.5	
35	6-1-1867	.20*			25*	
3)	6-1-1864				10*	
54)	6-1-1871	.35*				
120)	6-1-1891				17.5*	
3	6-1-1864)					
54	6-1-1871)	1.54*				
120	6-1-1891)				77*	
3	6-1-1864	.14*			7*	
3	6-1-1864	.14*			7*	
3	6-1-1864	.14*			7*	
3	6-1-1864)				7*	
54	6-1-1871)	.15*			7.5*	
3)	6-1-1864					
54)	6-1-1871	.288*			14.4*	
120)	6-1-1891					62.562
30	5-1-1866	.40			20	62.962
49	6-1-1870	25.72		1286	25.72	
31-C	6-1-1866	1.10		55	1.10	

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

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

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-E

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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors	
			No.	Date		Stewart Decree	Bryan Decree
Joplin			81	6-1-1882			
			115	6-1-1889	.80		
			116	6-1-1889	.06		
					1.20		
Seven Suckers	38						
	39						
	179				1.04		
			5)	6-1-1864			
			52)	6-1-1871	.24		
Phyllis			90	6-1-1884	53.10		
			117	9-1-1890	200.00		265
			135	4-1-1904	56.34		1000
				4-1-1905			2817
				4-1-1908			15328
						306.56	
						54.50	2725
Eureka No. 1			13	6-1-1865	33.32		
							1666
Caldwell High Line			34	6-1-1866	15.40		
			46	6-1-1869	37.20		770
	29*		77	10-29-1880	27.60		1860
					1.00*		1380
							50*
Farmers Coop. Ditch			60	6-1-1875	10.00		
			86	6-1-1883	20.00		500
			105	7-1-1888	50.00		1000
			129	7-1-1896	83.50		2500
				4-1-1905			4175
	717		9	6-1-1865	.64		7722
						154.45	32
Canyon Ditch Co.			132	5-17-1900	10.00		
			134	10-25-1901	5.54		500
	38		96	10-1-1887	12.10		277
	105		9	6-1-1865	.50		605
							25
Sisbenderg			9	6-1-1865	13.42		
	105*		9	6-1-1865	.50*		671
	717*		9	6-1-1865	.64*		25*
							32*

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-F

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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors	
			No.	Date		Stewart Decree	Bryan Decree
Riverside			88	6-1-1883	12.00		
			91	6-1-1884	20.00		
			95	1-23-1887	4.00		
			124	5-1-1893	80.00		
			130	10-1-1899	20.00		
			133	6-1-1901	70.00		
			77-A	4-15-1882			
			116-A	6-1-1890		3.674	
			116-B	6-1-1890		.72	
			116-C	6-1-1890		.10	
				4-1-1910		.40	
				4-1-1914			
		608*	88	6-1-1883	1.00*		63.78
		644*	88	6-1-1883	.70*		17.70
		660*	88	6-1-1883	.60*		
	35				2.00		
	175*		88	6-1-1883	1.70*		
Pioneer Dixie			8	6-1-1864	20.00		
			45	6-1-1869	35.44		1000
		36	96	10-1-1887	2.00		1772
		48	96	10-1-1887	4.20		100
		62*	96	10-1-1887	1.00*		210
		111*	8)	6-1-1864			50*
			45)	6-1-1869	20.34*		
		608	88	6-1-1883	1.00		1017*
		644	88	6-1-1883	.70		50
		660	88	6-1-1883	.60		35
	35*				2.00*		30
	148*		96	10-1-1887	1.50*		100*
							75*
Eureka No. 2			89	11-9-1883	21.70		
		47	96	10-1-1887	29.50		1085
		62	96	10-1-1887	1.00		1475
		71	24	6-1-1865	.80		50
	85			6-1-1865	.50		40
		111*	96	10-1-1887	1.20*		25
	131*		89	11-9-1883	.70*		60
	159			6-1-1865	.10		35
	175		88	6-1-1883	1.70		5
							85

*Subtract

ART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-G

Transfer	Priority		Stewart Decree	Intervenors		Amount Decreed	
	No.	Date		Stewart Decree	Bryan Decree	Inches	Total Sec. Ft.
	88	6-1-1883					
	91	6-1-1884	12.00				
	95	1-23-1887	20.00				
	124	5-1-1893	4.00			600	
	130	10-1-1899	80.00			1000	
	133	6-1-1901	20.00			200	
	77-A	4-15-1882	70.00			4000	
	116-A	6-1-1890		3.674		1000	
	116-B	6-1-1890		.72		3500	
	116-C	6-1-1890		.10		183.7	
		4-1-1910		.40		36	
		4-1-1914				5	
608*	88	6-1-1883	1.00*		63.78	20	
644*	88	6-1-1883	.70*		17.70	3189	
660*	88	6-1-1883	.60*			885	
		6-1-1883	2.00			50*	
	88	6-1-1883	1.70*			35*	
						30*	
						100	
						85*	290.374
	8	6-1-1864	20.00				
	45	6-1-1869	35.44				
36	96	10-1-1887	2.00			1000	
48	96	10-1-1887	4.20			1772	
62*	96	10-1-1887	1.00*			100	
111*	8)	6-1-1864				210	
	45)	6-1-1869	20.34*			50*	
608	88	6-1-1883	1.00		1017*		
644	88	6-1-1883	.70		50		
660	88	6-1-1883	.60		35		
			2.00*		30		
	96	10-1-1887	1.50*		100*		
					75*	39.10	
	89	11-9-1883	21.70				
47	96	10-1-1887	29.50		1085		
62	96	10-1-1887	1.00		1475		
71	24	6-1-1865	.80		50		
		6-1-1865	.50		40		
111*	96	10-1-1887	1.20*		25		
	89	11-9-1883	.70*		60		
		6-1-1865	.10		35		
	88	6-1-1883	1.70		5		
					85	53.40	

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		In
			No.	Date		Stewart Decree	Bryan Decree	
Upper Center Point			23	6-1-1865	3.20			1
			24	6-1-1865	2.40			1
			25	6-1-1865	3.94			19
			26	6-1-1865	1.60			8
			27	6-1-1865	1.58			7
	85*	71*	24	6-1-1865	.80*			40
	148			6-1-1865	.50*			25
	159*		96	10-1-1887	1.50			75
				6-1-1865	.10*			5
Lower Center Point			19	6-1-1865	2.88			
			20	6-1-1865	6.40			144
			21	6-1-1865	2.90			320
			22	6-1-1865	3.20			145
			38	6-1-1868	3.20			160
			43	6-1-1869	3.60			160
	50*		73	6-1-1879	4.00			180
	51*		19	6-1-1865	2.88*			200
	131		20	6-1-1865	6.40*			144*
			89	11-9-1883	.70			320*
								35
Bowman & Swisher	50		19	6-1-1865	2.88			
	51		20	6-1-1865	6.40			144
	127*		20	6-1-1865	.80*			320
								40
Mammon			41	6-1-1869	1.80			
			68	6-1-1878	4.20			90
			69	6-1-1878	3.36			210
			70	6-1-1873	8.80			168
	176*		70	6-1-1878	8.80*			440
								440*
Haas Ditch			39	6-1-1868	8.54			
	176		70	6-1-1878	8.80			427
								440
Island High Line			71-A	4-1-1879	3.00			
			137-A	4-1-1910	7.00			150
			139	4-1-1915	10.00			350
								500
								20.00

*Subtract

AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-H

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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

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

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-I

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

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

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

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

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

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

on finally adjudicated by the Supreme Court and are not cut below 100%.

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

No.	Name	River Section	100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	Flow Necessary To Fill to 75%
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	3.00	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		168.

Chart No. 26-A

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

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

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

No.	Name	River Section	100% of Decree	75% of Decree	60% of Decree	Flow Necessary To Fill to 60%	Flow Necessary To Fill to 75%
73A	Goble & Songer	1					
74	Smith Stockton	3	.54	.41	.32	361.86	1267.02
75	Isham Joplin	1	1.76	1.32	1.06		
75A	C. B. Frank	1	2.40	1.80	1.44	363.30	1267.38
75A	Albert Lemp et al	1	.816	.61	.49	363.79	1267.50
76	Joseph Goble	3	3.20	2.40	1.92		
77	Franklin Ditch Co.	1	.90	.68	.54	364.33	1267.64
77A	Gus A. Barth	1	27.60	20.75	16.56	380.89	1271.78
77B	Charles Jurries	3	1.60	1.20	.96		
77C	James Finlay	3	.34	.26	.20		
77D	Lester J. Shippy	3	.80	.60	.48		
77E	Roc Helms	3	1.30	.98	.78		
78	Allen V. Webster	2	3.674	2.76	2.20		
79	Susie Campbell	1	.90	.68	.54	381.43	1271.92
80	J. T. Barber	1	.60	.45	.36	381.79	1272.01
81	Sonora Joplin	1	1.60	1.20	.96	382.75	1272.25
82	S. W. Hutchinson	1	3.40	2.55	2.04	384.79	1272.76
83	Johnson	1	.44	.33	.26	385.05	1272.83
84	Andrew J. Joplin	1	.44	.33	.26	385.31	1272.90
85	James L. Graham	1	2.86	2.15	1.72	387.03	1273.33
85A	Leo Marsters	1	2.20	1.65	1.32	388.35	1273.66
85B	Jacob Bingham	1	1.60	1.20	.96	389.31	1273.90
85C	Wm. Huckba	1	1.00	.75	.60	389.91	1274.05
85D	C. H. Schmelzer	1	.203	.15	.12	390.03	1274.08
85E	C. W. McClurg	1	.7506	.56	.45	390.48	1274.19
86	Farmers Coop. Ditch	2	.35	.26	.21	390.69	1274.24
87	Francis M. Joplin	1	20.00	15.00	12.00		
88	W. A. Black	1	.90	.68	.54	391.23	1274.40
89	Eureka Ditch Co. No. 2	2	12.00	9.00	7.20		
90	Pioneer Irrigation Dist.	1	21.70	16.28	13.02		
91	Riverside Irrig. Dist.	2	53.10	39.83	31.86	423.09	1282.35
92	Settlers Canal Co.	2	20.00	15.00	12.00		
93	New Dry Creek Co.	1	99.06	74.30	59.44	482.53	1297.21
94	Thomas Davis	1	15.22	11.42	9.13	491.66	1299.49
95	Wm. E., L. & E. Young	1	13.40	10.05	8.04	499.70	1301.50
96	American Ditch Assoc.	2	4.00	3.00	2.40		
97	New Dry Creek Ditch	2	47.80	35.85	28.68		
98	A. V. Linder	1	7.86	5.90	4.72	504.42	1302.68
99	Levi Smith	1	4.00	3.00	2.40	506.82	1303.28
100	Charlotte Calhoun	1	1.30	.98	.78	507.60	1303.48
101	Ed J. Linder	1	1.40	1.05	.84	508.44	1303.69
102	Lizzie Everett	1	1.46	1.10	.88	509.32	1304.09
103	Jessie Wilson	1	1.20	.90	.72	510.04	1304.30
104	Thomas Andrews	1	1.40	1.05	.84	510.88	
104	Thomas Andrews	3	.90	.68	.54		

FLOWING 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	.54					
3	1.76	.41	.32	361.86	1267.02	1685.33
1	2.40	1.32	1.06			
1	.816	1.80	1.44	363.30	1267.38	1685.93
3	3.20	.61	.49	363.79	1267.50	1686.13
1	.90	2.40	1.92			
1	27.60	.68	.54	364.33	1267.64	1686.36
3	1.60	20.75	16.56	380.89	1271.78	1693.26
3	.34	1.20	.96			
3	.80	.26	.20			
3	1.30	.60	.48			
2	3.674	.98	.78			
1	.90	2.76	2.20			
1	.60	.68	.54	381.43	1271.92	1694.18
1	1.60	.45	.36	381.79	1272.01	1694.41
1	3.40	1.20	.96	382.75	1272.25	1694.56
1	.44	2.55	2.04	384.79	1272.76	1694.96
1	.44	.33	.26	385.05	1272.83	1695.81
1	2.86	.33	.26	385.31	1272.90	1695.92
1	2.20	2.15	1.72	387.03	1273.33	1696.03
1	1.60	1.65	1.32	388.35	1273.66	1696.75
1	1.00	1.20	.96	389.31	1273.90	1697.30
1	.203	.75	.60	389.91	1274.05	1697.70
1	.7506	.15	.12	390.03	1274.08	1697.95
1	.35	.56	.45	390.48	1274.19	1698.00
2	20.00	.26	.21	390.69	1274.24	1698.19
1	.90	15.00	12.00			1698.28
2	12.00	.68	.54	391.23	1274.40	1703.28
2	21.70	9.00	7.20			1703.51
1	53.10	16.28	13.02			1706.51
2	20.00	39.83	31.86	423.09	1282.35	1711.94
1	99.06	15.00	12.00			1725.22
1	15.22	74.30	59.44	482.53	1297.21	1730.22
1	13.40	11.42	9.13	491.66	1299.49	1754.99
2	4.00	10.05	8.04	499.70	1301.50	1758.80
2	47.80	3.00	2.40			1761.15
1	7.86	35.85	28.68			1763.15
1	4.00	5.90	4.72	504.42	1302.68	1775.10
1	1.30	3.00	2.40	506.82	1303.28	1777.07
1	1.40	.98	.78	507.60	1303.48	1778.07
1	1.46	1.05	.84	508.44	1303.69	1778.40
1	1.20	1.10	.88	509.32	1303.91	1778.75
1	1.40	.90	.72	510.04	1304.09	1779.12
1	1.40	1.05	.84	510.88	1304.30	1779.42
3	.90	.68	.54			1779.77

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

<u>No.</u>	<u>Name</u>	<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessa To Fill to 7</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%
ch	2	50.00				
r. Dist.	1	370.84	37.50	30.00		1797.27
	1	.06	278.13	222.50	733.38	1884.98
	1	.02	.05	.04	1359.93	1885.00
B. Taylor	1	2.40	.015	.01	1359.93	1885.00
l Irr. Co.	1	6.00	1.80	1.44	1360.29	1885.60
allagher	1	2.94	4.50	3.60	1361.19	1887.10
	1	.05	2.21	1.76	1361.63	1887.84
	1	.10	.04	.03	1361.63	1887.85
d	1	.03	.08	.06	1361.64	1887.88
Donnell	3	1.60	.02	.02	1361.64	1887.88
	3	.80	1.20	.96		
	1	.06	.60	.48		
	1	1.20	.05	.04	740.38	1361.64
Amelia Eisley	1	.84	.90	.72	741.10	1361.82
	2	.72	.63	.50	741.60	1361.95
	2	.10	.54	.43		
	2	.40	.08	.06		
t.	1	200.00	.30	.24		
	1	2.20	150.00	120.00	861.60	1391.97
	1	.54	1.65	1.32	862.92	1392.28
itch	1	17.00	.41	.32	863.24	1392.36
	3	3.50	12.75	10.20	873.44	1394.91
o.	1	73.44	2.63	2.10		
	1	.80	55.08	44.06	917.50	1405.93
ist.	2	80.00	.60	.48	917.98	1406.05
	1	1.00	60.00	48.00		
	3	1.76	.75	.60	918.58	1406.20
tch	1	110.00	1.32	1.06		
ames Keogh	1	1.00	82.50	66.00	984.58	1422.70
	1	.66	.75	.60	985.18	1422.85
	2	83.50	.50	.40	985.58	1422.95
Dist.	2	20.00	62.63	50.10		
Co.	1	219.10	15.00	12.00		
	2	10.00	164.33	131.46	1117.04	1455.82
Dist.	2	70.00	7.50	6.00		
	2	5.54	52.50	42.00		
st.	1	56.34	4.16	3.32	1150.84	1464.27
	1	.356	4.26	.21	1151.05	1464.32
	1	1.60	.27	.96	1152.01	1464.56
Ditch Co.	3	7.00	1.20	4.20		
	1	.40	5.25	.24	1152.25	1464.62
Ditch Co.	3	10.00	.30	6.00		

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

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

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

	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>	<u>Flow Necessary To Fill to 100%</u>
tion Dist.)	54.46	40.85	32.68	2159.80	3922.75	4375.08
g. Dist.)	58.86	44.15	35.32	2195.12	3931.58	4389.80
of America	1354.58	1015.94	812.75	3007.87	4134.77	4728.45
tion Dist.	306.56	229.92	183.94	3191.81	4180.75	4805.09
ative Ditch Co.	154.45	115.84	92.67	3284.48	4203.92	4843.70
tual Ditch Co.	5.40	4.05	3.24	3287.72	4204.73	4845.05
tion Dist.	54.50	40.88	32.70	3320.42	4212.91	4858.68
of America	926.50	694.38	555.90	3876.32	4351.89	5090.31
gation Dist.	63.78	47.84	38.27	3914.59	4361.46	5106.26
of America (Storage)	8000.00					13106.26
gation Dist.	17.70					13123.96

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

