

**WATER DISTRIBUTION OF BOISE RIVER
DISTRICT NO. 12-A
1948**

REPORT ON
CANAL DELIVERIES FROM
BOISE RIVER

AND

DIFFERENT FEATURES AFFECTING THESE
DELIVERIES FOR THE IRRIGATION SEASON
OF 1948

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

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

BY

WM. E. WELSH

WATERMASTER, BOISE RIVER

C H A R T S

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 1948 inclusive.
3. Table showing mean daily flow of Boise River for a 41-year period.
4. Table showing monthly and annual flow of Boise River in acre-feet for the irrigation years from 1894-95 to 1947-48 inclusive.
5. 5-A, 5-B, 5-C, 5-D and 5-E, daily discharge of all canals (Sections 1 and 2) for irrigation season of 1948.
6. Summary table in acre-feet showing monthly and total canal diversions for the irrigation season of 1948.
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 1948.
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 1948.
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 1948.
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 1948.
12. Table showing acreage under all canals in the Boise Valley.
13. Table for Boise Valley canals showing acre-feet diverted, acres irrigated, and acre-feet per acre diverted, for the season of 1948.
14. Table showing acre-feet per acre diverted by Boise Valley canals for each irrigation season beginning 1934.

C H A R T S

(Continued)

15. Summary table showing diversions from Boise River in acre-feet, acre-feet per acre, and the rate in miner's inches per acre, for 18 Boise Valley canals for each month of the irrigation season for the years 1916 to 1944 inclusive; also the per cent diverted during each month.
16. Chart showing average headgate duty of water for 18 Boise Valley canals.
17. Table showing total canal diversions and total discharge of drainage canals in Drainage District No. 2 for the irrigation season of 1948.
18. Two tables showing total discharge of all drainage canals in Drainage Districts Nos. 3 and 4 for the irrigation season of 1948.
19. Summary table of return flow to Boise River between the Government Diversion Dam and Notus beginning 1914.
20. 20-A and 20-B, revised area and capacity table for Arrowrock Reservoir.
21. Table showing Intervenor Decrees on Boise River (Intervenors in the Stewart Decree), giving priority number, date and amount decreed.
22. Table showing changes in point of diversion of decreed rights on Boise River.
23. 23-A, tables showing transfers of decreed rights on Boise River.
24. Condensed table of Stewart Decree showing dates of priority and amounts decreed.
25. 25-A, 25-B, 25-C, 25-D, 25-E, 25-F, 25-G, 25-H and 25-I are tables showing the Stewart, Intervenors' 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 1948 was the same that it has been for several years past. It includes a Chairman and Secretary, a Watermaster, one Assistant for a few months during the summer, and a part-time stenographer.

The Advisory Committee, made up of nine members including the Chairman and Secretary of the Waterusers, was again elected at the annual meeting in March. In addition to the annual meeting held in the forenoon preceding the annual meeting 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:

Ed Straus, Chairman
I. A. Weaver, Secretary
Ernest Anderson
J. C. Bell
O. W. Bunton
T. M. DeCoursey
John Demond
W. T. Evans
W. W. Rhodenbaugh

On July 11, 1948, Ed Straus, who had served the waterusers either as Chairman or Secretary continuously since 1921, passed away. During all of these years Mr. Straus had been a most able and faithful member of the Advisory Committee. His judgment was sound and his advice was always most valuable. Because of his keen interest and his deep sense of loyalty and devotion to the cause of the waterusers of the valley, his passing constituted a real loss.

Cooperative assistance is rendered by the Board of Control in current

meter work, compiling records, maintaining phone to Arrowrock, etc., for which proper remuneration is given.

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

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

DECREES

Stewart Decree:

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

"The various rights, as adjudicated in the so-called 'Stewart Decree', shall receive 100 per cent, until the natural flow of the waters of Boise

River shall decrease, until all the rights in said decree cannot receive 100 per cent, at which time the various rights as adjudicated in the so-called 'Stewart Decree' shall first be cut to 75 per cent of the amount of water decreed by the Stewart Decree as the natural flow of the Boise River decreases, beginning with the latest rights and proceeding to the earliest rights in the order fixed in said Stewart Decree, and after all of the rights shall have been reduced to 75 per cent of the amount fixed in the Stewart Decree, should the natural flow of the waters in Boise River decrease below the amount necessary to supply said 75 per cent of the water rights as decreed in said Stewart Decree, then the various rights beginning with the latest and proceeding to the earliest, as aforesaid, shall be reduced to 60 per cent of the amount specified in the Stewart Decree, and 60 per cent of the amount decreed in the Stewart Decree is hereby fixed and determined as the highest duty of water for the year 1919."

Bryan Decree:

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

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

signed a continuing order making the order of Judge Sutton for 1932 effective for 1933 and continuing. This order has remained in effect since that time.

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

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

BOISE RIVER RUN-OFF AND AVAILABLE WATER SUPPLY

Although the total annual flow for the year was only 1,693,553 acre-feet, 1948 was still a fairly good water year. The natural flow held up fairly well through July and August and the forepart of September. All those canals affected by the decreased flow, however, owned Arrowrock and Anderson Ranch storage and were able to maintain adequate delivery to take care of crop requirements. The highest flow of the year was 15,260 second

feet on May 29th and the low flow was 474 second feet on September 20th. On June 27th river regulation and distribution to the canals was begun for the first time and continued throughout the remainder of the season. Again this year there was a heavy demand for water during the late summer and early fall months, occasioned primarily as a result of the continued heavy acreage in row crops.

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 1948 inclusive.

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

Chart 4 is a table compiled from previous charts, showing the total monthly and annual flow of the Boise River in acre-feet for the irrigation years beginning 1894-95.

CANAL REGULATIONS

It was necessary to begin canal regulations June 27th.

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

Chart 6 shows the monthly and total diversions for the Boise River for the irrigation season of 1948.

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 1948.

RIVER FLUCTUATION

Fluctuations of river flow were a disturbing factor again in 1948. 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 1st to September 30th inclusive. The average net gain in this section during this period was 291 second feet.

SECTION II

Chart 11 is a table showing the condition that existed in this section during the period July 1st to September 30th inclusive. The average return flow during this period to this section was 658 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.

DUTY OF WATER

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

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

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

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

"An arbitrary duty, if established, should be subject to change from time to time. What that duty should be, I am not prepared to say."

Following is a quotation from "REPORT ON CONSUMPTIVE USE—NET DUTY OF WATER—As Related to the Proper Adjudication of Water Rights on the Boise River", by W. G. Steward. Mr. Steward was formerly employed by the United

States Reclamation Service in charge of Hydrographic work on the Boise River, and also for several years he was an instructor at the University of Idaho on the same subject. He had made a very comprehensive study of the duty of water, especially on the Boise River, and was well qualified on that subject. For these reasons the following quotations are submitted with the endorsement of the writer:

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

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

3. "The best information at hand today would indicate that a duty, if established, should conform very closely to the so-called 'sliding scale', as provided in the order issued by Judge Ed. L. Bryan on May 31, 1919. That if the present law does not permit the court to render a decision on the duty of water conforming closely with the above suggestions, 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 above 'sliding scale' should be made in the case of porous-gravel, river bottom lands, lying adjacent to and under the upper section of the river as per the Stewart Decree, to the extent that these lands should be allowed to divert such amount of water as their crops require and at such times as it is needed, said diversions not to exceed 1.10 miner's inches per acre. This, because no matter how much is diverted, all but a very small amount almost immediately returns to the river

flow. To do this a system of rotation among themselves should be required.

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

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

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

Chart 13 is a table showing the total amount diverted, the acres irrigated and the acre-feet per acre diverted from the river by the various canals of the Boise Valley. The amount shown under the column "Acre Feet Per Acre" cannot be construed as a duty of water for the lands of the Boise Valley, due to the large and varying quantities of return flow water picked up by many of these canals.

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

Chart 15 is a summary table showing diversions from Boise River in acre-feet, acre-feet per acre, and the rate in miner's inches per acre, for 18 Boise Valley canals for each month of the irrigation season for the years 1916 to 1944 inclusive; also the per cent diverted each month.

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

DRAINAGE

Chart 17 shows the total canal diversions and the total drainage discharge for Drainage District No. 2 for the season of 1948 and a summary

for the same diversions since the completion of these drains in 1922. This drainage district embraces an area of 29,000 acres situated on the north side of Boise River between the City of Boise and the canyon near Caldwell.

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

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

ARROWROCK CAPACITY

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

INTERVENORS

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

CHANGES IN POINT OF DIVERSION

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

TRANSFERS

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

STEWART DECREE

Chart No. 24 is a condensed table of the Stewart Decree. A small circle at the left of the date of priority shows that the right is supplied by "return flow".

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

STEWART AND BRYAN DECREES GROUPED BY CANAL HEADINGS

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

BRYAN DECREE

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

WATERSHED

The 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 bene-

fit 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."

SUPPLEMENTAL WATER

It is anticipated that Anderson Ranch will be completed within about one more year, after which it is doubtful that there will ever again occur a water shortage in the Boise Valley. A study based upon river flow records dating back to 1895 and precipitation records for the City of Boise dating back to 1864 indicates that only once during all that period would there have been a water shortage with the present irrigated area and the present storage facilities available--Anderson Ranch, Arrowrock and Lake Lowell--and that was the year 1931.

FLOOD CONTROL

Considerable progress has been made towards repairing some of the weaker places along the banks of the Boise River since the 1943 flood. Now that Lucky Peak Dam has been authorized and appropriations seem assured with which to initiate construction, it is proper to be giving consideration to the ultimate and long-time project of river channelization or canalization. This, in the judgment of the writer, should always be one of the major objectives of the waterusers and the Watermaster. Such projects are being carried on in other sections of the nation by the Corps of Engineers, and there is most assuredly justification for such a project on the Boise River. Much valuable land now lying idle would be cut up into small tracts, accommodating many families and providing many homes, if a proper and adequate river control program was in effect.

COST REPORT - 1948

Watermaster Salary	\$3,686.60
Assistant Watermaster Salary	939.49
Car Mileage	1,048.78
Miscellaneous	302.08
Telephone	138.67
Gage Readings	20.00
Stenographic Services	1,113.30
Insurance	83.17
Withholding Tax	<u>406.52</u>
Sub-Total	\$7,738.61

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

Gage Readers, Dowling	\$ 180.00
More's Creek	160.00
Telephone Service to Upper River	270.00
Assistance in Current Meter Work	235.00
Office Work, compiling records of natural flow, etc.	<u>225.00</u>
Total value of services as fixed by Committee	1,070.00
TOTAL COSTS TO WATER DISTRICT 12-A FOR THE IRRIGATION SEASON OF 1948	\$8,808.61

CONCLUSIONS

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

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

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

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

Chart 2

LY FLOW OF BOISE RIVER - JA

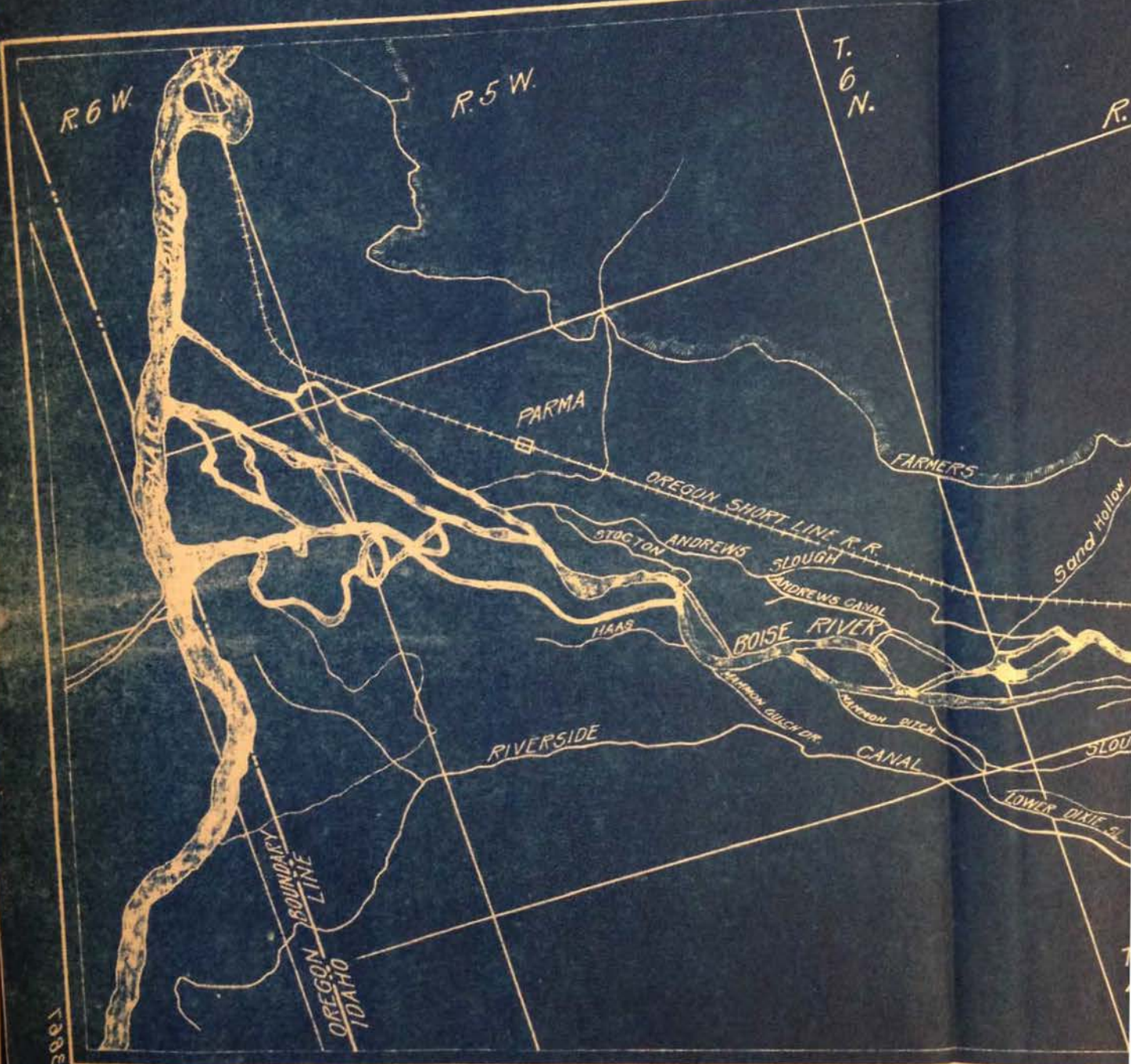
Year	18	19	20	21	31	Total
1895	1370	1330	1280	1240	1280	
1896	1280	1350	1430	1870	1590	
1897	570	570	720	830	1010	

1939	1220	1240	1225	106028	1622	22,178
1940	804	931	835	83548	823	26,118
	857	784	660	85708	843	26,929

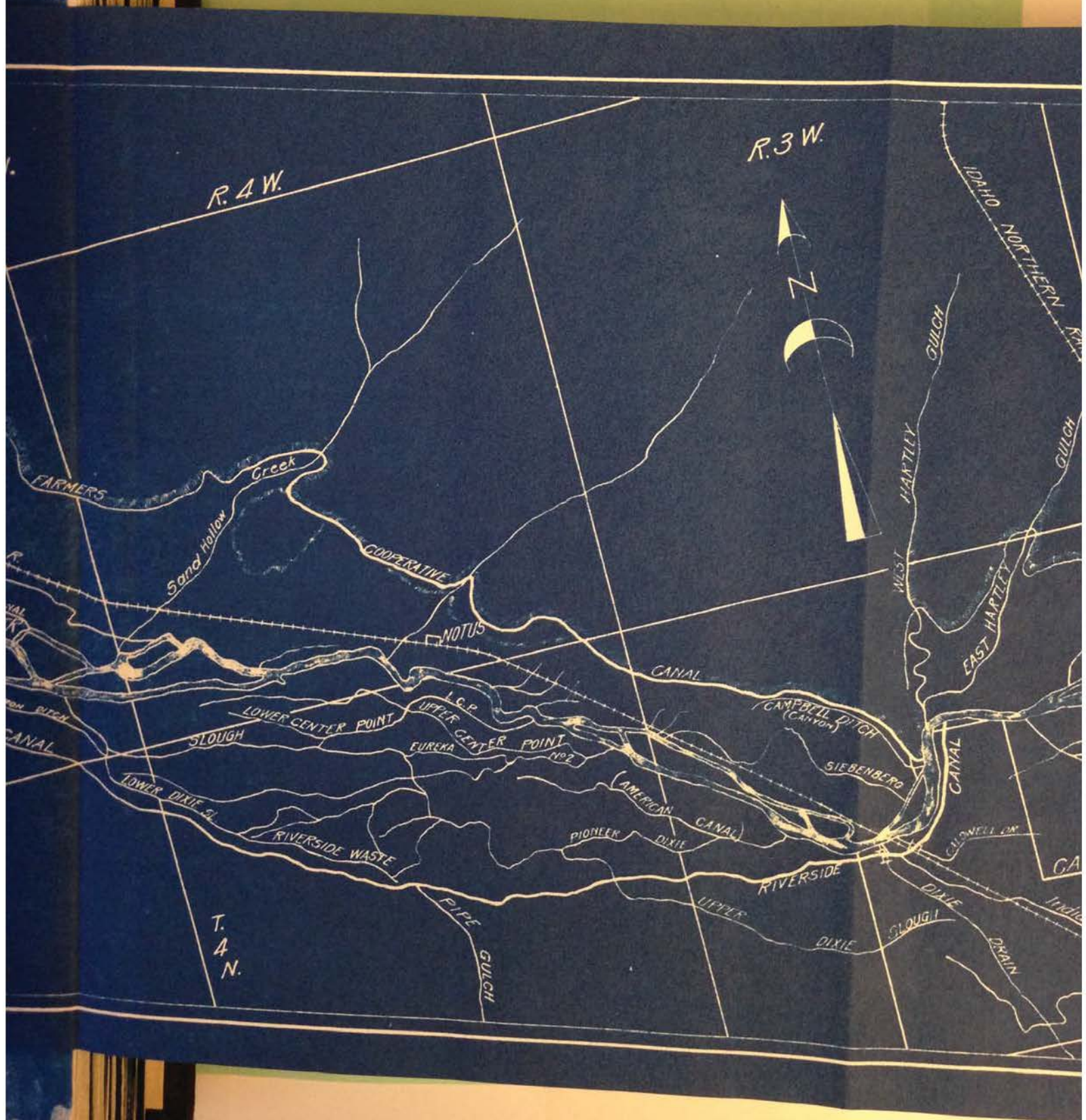
Chart 2

LY FLOW OF BOISE RIVER - JA

Year	18	19	20	21	31	Total
1895	1370	1330	1280	1240	1280	
1896	1280	1350	1430	1870	1590	
1897	570	570	720	830	1010	
1898						



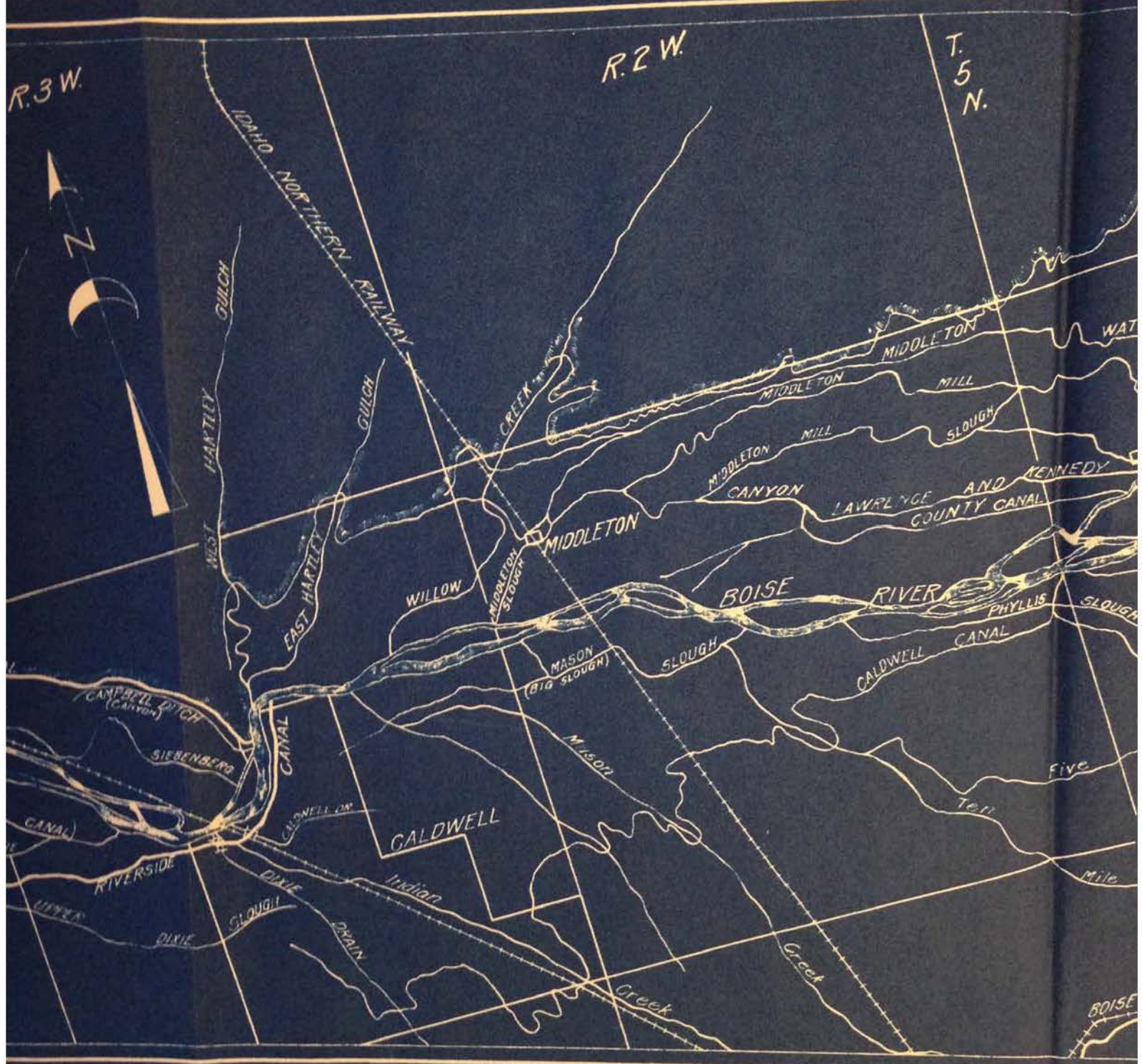
1939	1220	1240	1225	106058	1255	33,746
1940	804	931	835	83988	823	26,118
	857	784	660	85798	843	26,929



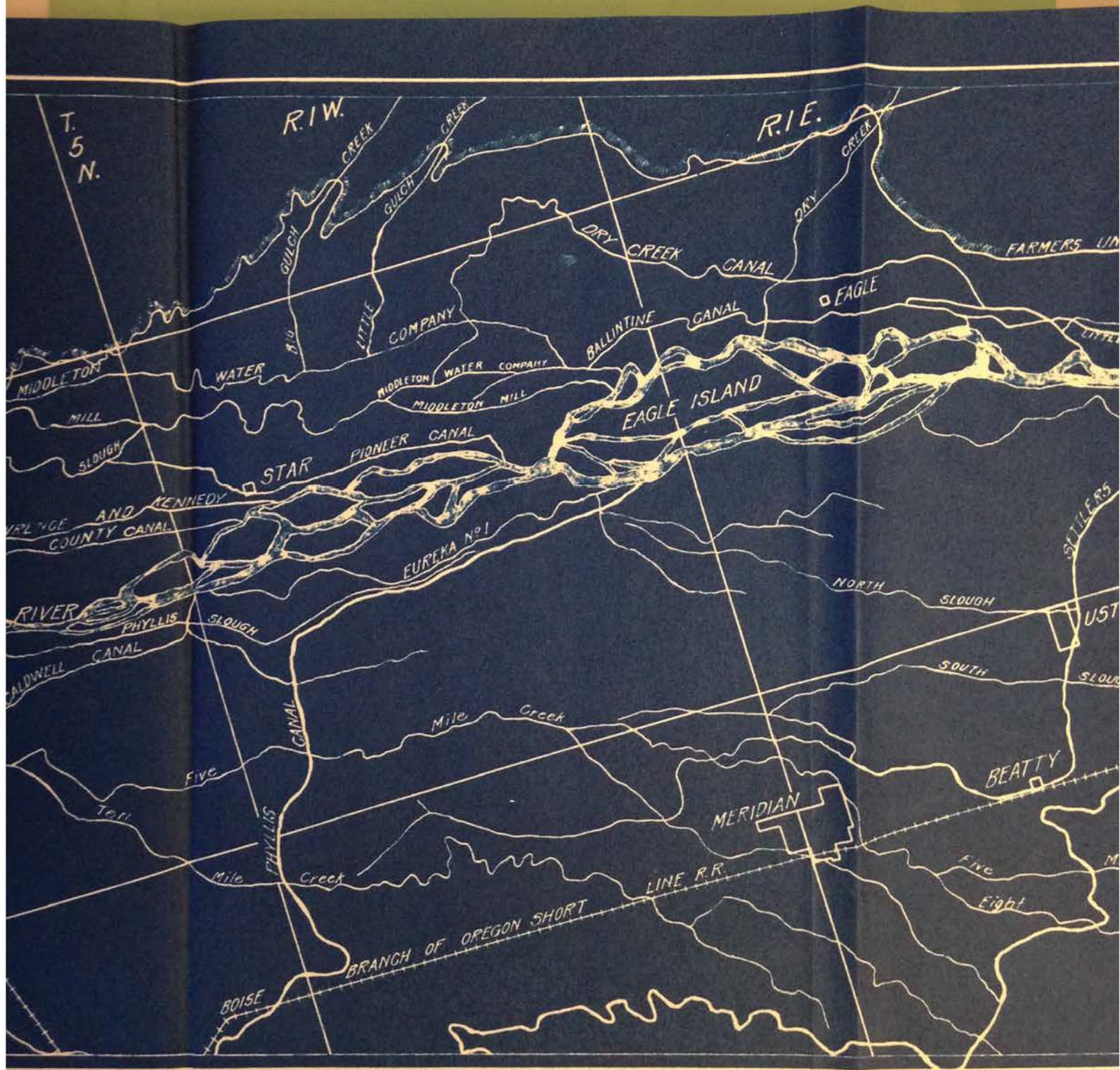
R. 3 W.

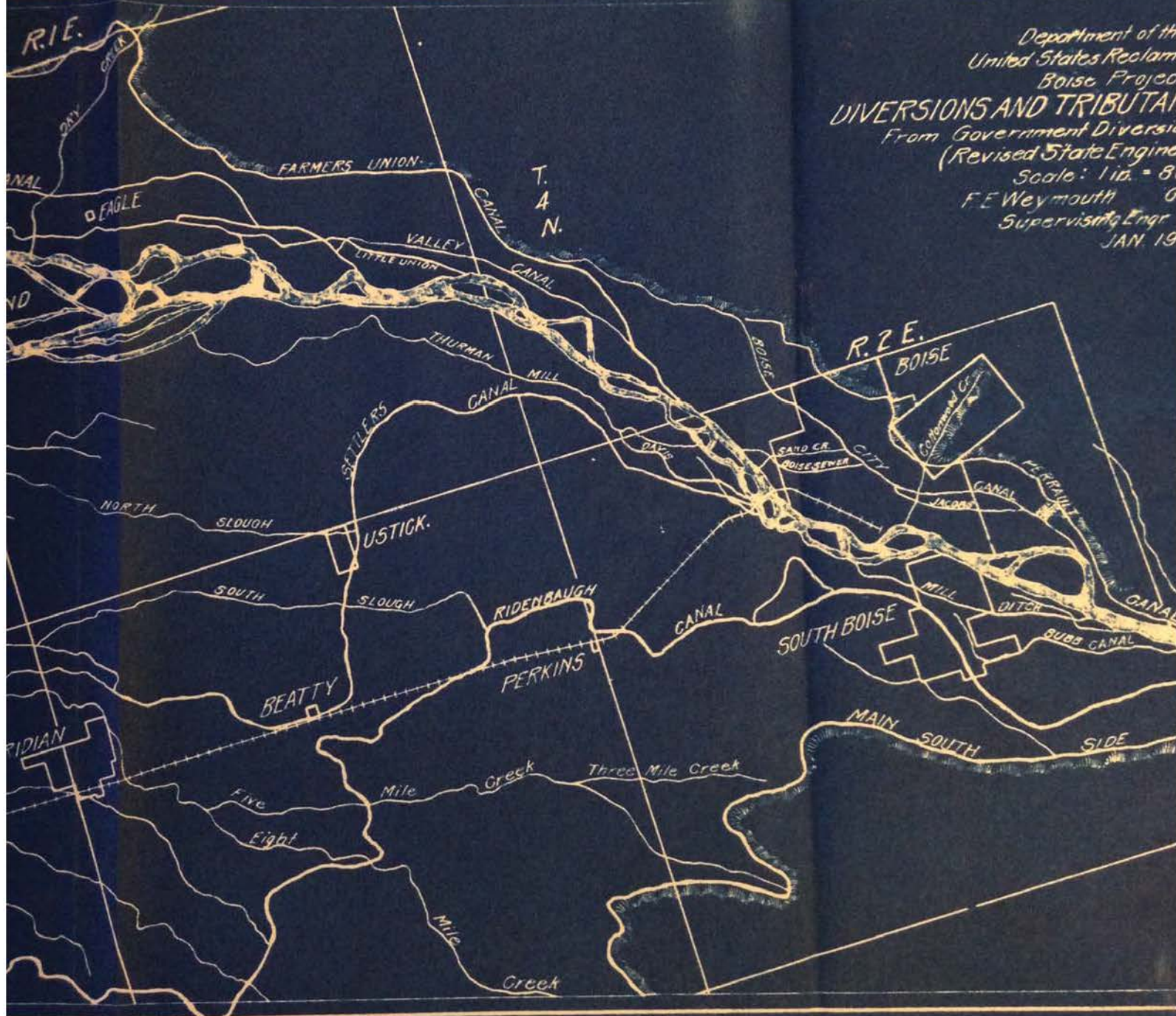
R. 2 W.

T. 5 N.



Five
Mile





Department of the
United States Reclamation
Boise Project
DIVERSIONS AND TRIBUTARIES
From Government Diversion
(Revised State Engineer)
Scale: 1 in. = 8 mi.
F.E. Weymouth
Supervising Engineer
JAN. 19

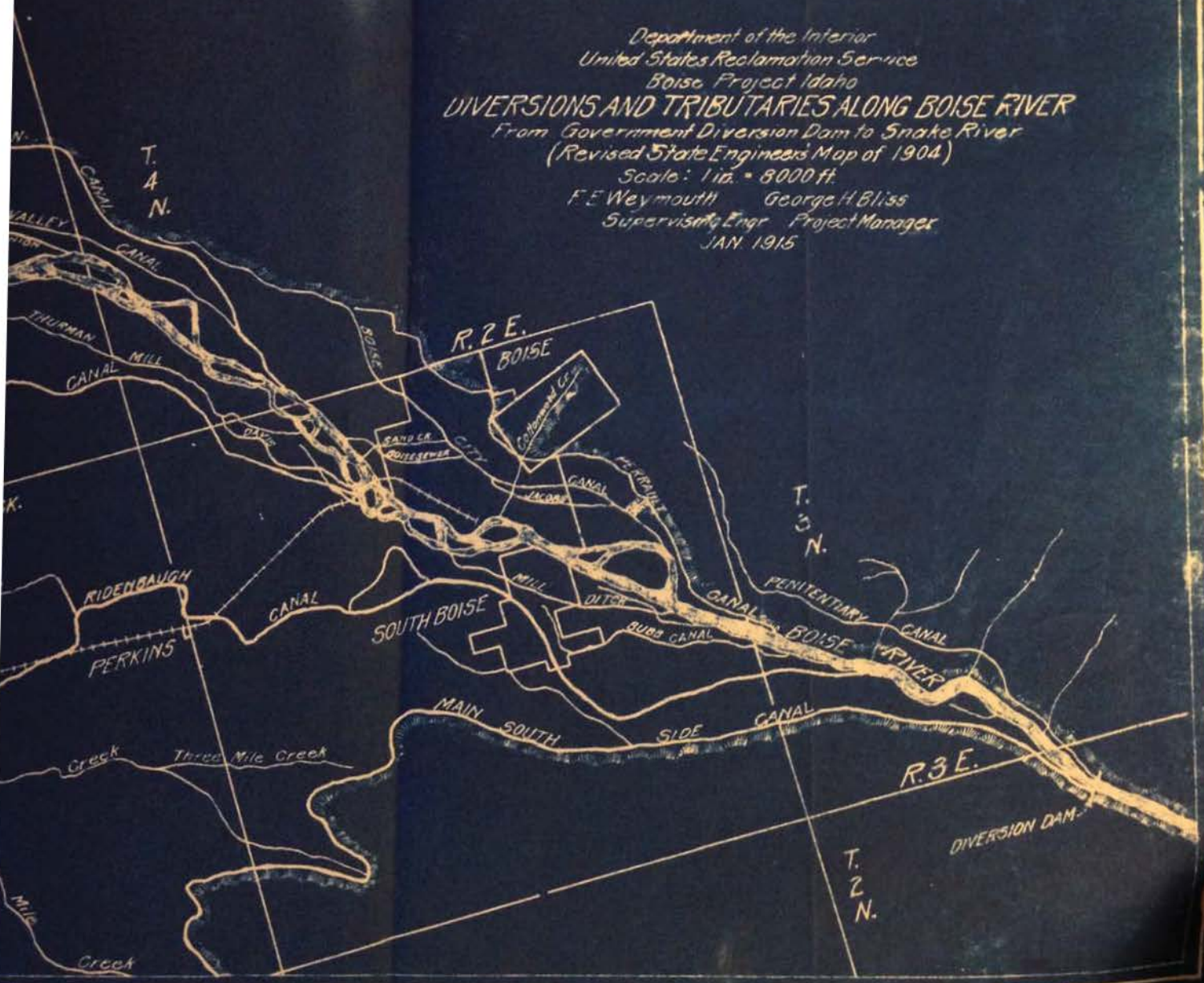
Department of the Interior
United States Reclamation Service
Boise Project Idaho
DIVERSIONS AND TRIBUTARIES ALONG BOISE RIVER

From Government Diversion Dam to Snake River

(Revised State Engineers Map of 1904)

Scale: 1 in. = 8000 ft.

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



Year	1	2	3	4	5	6	7	8	9	10	11	12
1895	1470	1410	1280	1320	1330	1240	1180	980	1100	1240	1280	1330
1896	950	1070	720	720	720	720	720	950	950	950	950	1070
1897	1070	1010	1010	950	950	890	890	950	950	1010	890	830
1898			550			550				550		
1899	2580	2580	2580	2580	2580	2780	2780	2780	2780	2780	2780	2780
1900	1570	1680	1680	1570	1680	1680	1680	1570	1360	1360	1570	1910
1901	1200	1200	1350	1310	1370	1510	1390	1350	1350	1350	1270	1270
1902	1120	1270	1190	1140	1080	1120	1120	1140	1120	1040	900	865
1903	1280	1070	945	1040	945	945	945	945	945	945	1080	752
1904												
1905												
1906	700	700	675	700	750	880	750	750	750	810	880	880
1907												
1908	1180	1100	1100	1070	1040	965	900	965	1140	1070	1040	1140
1909	790	980	1100	1220	1220	1140	1140	1140	1310	1140	1060	1020
1910												
1911	870	750	940	1105	1035	1035	1070	1140	1140	1140	1070	1000
1912	990	940	1020	1020	1020	1260	1230	1160	1230	1230	1230	1100
1913												
1914	1080	1150	1220	1220	1220	1220	1220	1220	1080	950	824	824
1915	930	1050	1050	1050	1050	990	990	930	990	930	990	930
1916	715	736	763	760	746	744	740	763	766	763	736	754
1917	679	891	1006	991	936	984	1253	888	715	811	740	769
1918	5248	4046	3033	2462	2244	2153	2078	1964	1826	1738	1428	1419
1919	569	605	555	535	620	680	740	659	669	674	684	727
1920	883	863	815	737	728	696	784	787	797	698	674	657
1921	2600	2129	3154	2307	2458	2330	2279	1751	1540	1545	1393	1217
1922	972	1280	1255	1111	921	1046	990	1178	1092	983	905	694
1923	1078	765	869	855	944	1028	1426	1538	1390	1317	1210	1155
1924	764	675	659	789	609	484	600	824	945	1248	949	899
1925	923	783	724	782	772	794	837	867	667	714	715	629
1926	604	574	823	866	850	889	940	830	756	688	802	772
1927	1026	1079	1033	1317	1062	1115	1193	1121	941	762	704	1179
1928	791	1142	1433	1510	1566	1590	1368	1230	991	1425	1419	1298
1929	739	620	945	917	692	567	560	721	690	726	811	793
1930	938	842	855	777	762	830	742	440	446	731	771	805
1931	599	872	737	745	797	713	807	686	637	623	750	810
1932	567	678	656	697	617	622	689	687	685	707	734	731
1933	732	661	708	663	697	678	665	744	790	771	690	652
1934	1326	1219	1372	1537	1498	1238	1104	773	834	977	908	1020
1935	984	623	583	660	969	1010	1040	1018	954	966	807	944
1936	702	741	866	831	928	706	657	848	766	835	797	993
1937	345	483	532	584	619	717	699	459	398	483	563	613
1938	875	975	1135	945	734	735	735	734	904	804	989	999
1939	1221	925	1026	1014	1304	1021	812	686	481	822	794	691
1940	950	1031	1446	1447	1220	1014	864	660	872	1004	1128	849

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

12	13	14	15	16	17	18	19	20	21	22	23
1330	1510	1650	1490	1450	1430	1370	1330	1280	1240	1220	1240
1070	950	720	720	620	1010	1280	1350	1430	1870	1870	1870
830	720	620	620	620	570	570	570	720	830	830	950
	550				550			550			
2780	2780	2780	2980	2980	2980	2980	2980	2980	2980	2980	2780
1910	1910	2480	4120	3910	3520	2810	2330	2260	2180	2040	2040
1270	1270	1350	1430	1270	1270	1200	1200	1270	1310	1350	1310
865	830	900	900	1000	1080	1120	1080	1040	1000	970	900
752	500	500	570	640	678	715	790	1020	1950	1680	1380
880	810	810	810	810	810	1060	960	880	810	960	880
1140	1070	1180	1240	1100	1100	1070	1070	1240	1140	1070	930
1020	1020	1220	1490	3030	2610	3090	3990	5460	5780	5460	4060
1000	1000	1000	965	870	810	870	1140	1210	810	700	700
1100	1100	1230	1380	1640	1660	1460	1420	1340	1230	1230	1200
824	950	1150	1150	1080	1080	1220	1150	1080	1150	1220	1220
930	930	930	900	990	900	930	930	930	930	930	930
754	764	759	717	723	719	733	746	745	918	1067	973
769	677	662	603	595	498	590	498	590	590	682	780
1419	1445	1621	1583	1527	1450	1480	1517	1437	1360	1207	1145
727	798	820	801	787	929	1109	1118	1073	1011	1028	1116
657	651	692	747	880	1047	1096	1083	1014	1012	934	901
1217	1155	1048	1819	1935	1700	1477	2586	2347	2032	1360	1520
694	797	927	802	728	1028	1028	802	878	908	1078	999
1155	897	938	1020	919	934	991	987	933	859	865	777
899	661	662	673	883	881	843	761	698	675	670	683
629	716	575	625	601	652	656	816	669	719	737	768
772	740	692	776	801	902	862	760	738	739	711	697
1179	1334	1066	1052	1083	1223	1051	1069	1075	776	611	701
1298	1745	1882	2109	1887	1228	1224	1205	1725	2232	1734	1490
793	588	977	787	852	785	854	789	791	730	695	765
805	859	779	706	804	604	559	643	605	587	683	589
810	745	660	541	794	759	652	648	534	592	650	897
731	644	446	481	501	645	727	771	743	820	578	526
652	635	677	654	636	831	653	735	752	747	721	735
1020	817	930	1026	957	867	871	833	861	887	1021	1159
944	930	705	861	887	1228	492	739	717	506	667	848
993	1029	801	922	782	798	811	718	737	805	695	613
613	633	608	709	684	697	692	717	679	629	449	549
999	1074	914	1075	1325	1310	1220	1240	1225	1060	1250	1568
691	791	791	790	786	786	804	931	835	839	825	493
849	749	740	673	670	697	857	784	660	857	630	699

JANUARY

Cha

	22	23	24	25	26	27	28	29	30	31	Total
0	1220	1240	1210	1140	1040	1070	950	1100	1140	1280	
0	1870	1870	1350	1280	1510	1680	1770	1680	1680	1590	
0	830	950	770	720	720	620	620	830	950	1010	
			550	550		550			550	550	
0	2980	2780	2780	2780	2780	2060	1580	1340	1220	1220	
0	2040	2040	2040	1680	1680	1680	1680	1680	1680	1680	
0	1350	1310	1270	1240	1200	1200	1200	1130	1130	1200	
00	970	900	830	830	830	830	760	695	830	1120	
50	1680	1380	2400	4100	2990	2400	2010	1680	1570	1470	
10	960	880	810	810	960	880	810	810	750	750	
40	1070	930	1040	1180	1180	1100	1070	1040	1100	1965	
780	5460	4060	3210	2850	2490	2270	2110	1960	1860	1860	
810	700	700	650	1000	675	1000	1140	1210	1320	2140	
230	1230	1200	1300	1420	1550	1550	1380	1300	1230	1160	
150	1220	1220	1220	1220	1220	1370	1300	1150	1220	1220	
930	930	930	770	730	930	990	1050	1110	1050	1050	
918	1067	973	946	975	908	889	869	836	849	843	
590	682	780	673	861	867	864	777	877	777	690	
1360	1207	1145	1201	1380	1603	1659	1506	1413	1355	1386	
1011	1028	1116	1072	1015	928	868	851	779	758	688	
1012	934	901	889	976	1211	2381	2491	2430	1984	1726	
2032	1360	1520	1338	1760	1820	1565	1578	1380	1757	1331	
908	1078	999	978	1078	1203	1013	1043	943	958	873	
859	865	777	1106	1021	1038	846	901	1041	554	845	
675	670	683	797	743	857	814	996	983	876	876	
719	737	768	775	947	879	815	960	782	1172	1137	
739	711	697	747	861	746	693	694	807	955	892	
776	611	701	768	819	895	989	1273	1123	1106	1054	
2232	1734	1490	1601	1475	1592	1337	1077	1221	1221	1216	45,004
730	695	765	766	629	629	876	820	821	745	707	22,757
587	683	589	615	666	677	814	810	820	795	811	22,387
592	650	897	845	913	695	675	826	706	749	750	22,407
620	578	526	480	387	486	566	676	683	636	642	19,306
747	721	735	808	684	613	721	873	617	663	757	21,963
887	1021	1159	2056	2184	1636	1477	1421	1301	1279	1206	39,840
506	667	848	924	939	893	812	826	923	836	837	26,128
805	695	613	638	617	582	417	429	418	411	413	22,306
629	449	549	644	654	604	654	709	657	710	611	18,784
1060	1250	1568	1445	1195	1020	1125	1165	1258	1358	1255	33,746
839	825	493	481	818	813	743	1066	1058	848	823	26,118
857	630	699	738	695	842	896	895	711	808	843	26,929

Year	1	2	3	4	5	6	7	8	9	10	11	12
1895	1240	1240	1260	1180	1140	1190	1190	1180	1180	1210	1100	1010
1896	1590	1350	1350	1070	1070	950	950	1070	1070	1070	1010	1070
1897	1010	950	830	830	1010	1070	1010	1350	1350	1210	1140	1140
1898			550				550			1060		
1899	1220	1220	1100	1100	1220	1220	1100	1340	1580	1940	1580	1580
1900	1780	1790	1790	1790	1680	1520	1570	1570	1680	1570	1460	1460
1901	1240	1130	1200	1240	1130	1240	1160	1160	1100	1200	1200	1270
1902	1270	1350	1350	1440	1350	1350	1310	1800	2000	2000	1900	1800
1903	1680	1380	1280	1280	1280	1330	1200	1330	1280	1200	1110	945
1904												
1905												
1906	810	780	780	810	750	780	780	810	810	810	810	880
1907								3540	3540	3420	3060	2950
1908			1240	1240	1180	1100	1100	1070	1070	1040	1000	1000
1909	1860	1760	1760	1720	1490	1400	1490	1580	1500	1490	1440	1580
1910												
1911	2450	2340	1680	1600	1740	1640	1370	1300	1250	1325	1410	1325
1912	1100	990	990	1020	1230	1230	1170	1230	1230	1460	1550	1380
1913												
1914	1220	1220	1020	950	1150	824	1020	1220	1020	1080	1220	1080
1915	1330	1480	1480	1330	1180	1050	1050	1050	1050	1050	990	930
1916	835	854	868	834	863	887	1017	1106	1127	1148	1206	1182
1917	684	684	690	690	880	800	783	793	783	698	695	948
1918	1225	1287	1040	1127	1229	1457	1429	1437	1380	1370	1355	1488
1919	697	732	802	835	811	814	832	855	858	847	1062	1351
1920	1517	1498	1474	1428	1374	1345	1334	1259	1182	1063	1021	976
1921	1453	1262	1416	1230	1267	1178	1208	1199	1239	1270	1485	1215
1922	973	788	788	787	872	794	952	1152	1383	2197	1110	1014
1923	678	629	730	781	841	781	584	817	982	861	932	671
1924	838	983	1066	962	985	981	1008	2050	2445	1966	1336	1107
1925	1023	1213	2195	2895	5775	5859	5169	3846	2972	2088	1758	1638
1926	794	795	772	941	1067	1136	2100	1900	1620	1485	1497	1354
1927	1047	1164	1449	1826	1924	1999	1754	1564	1607	933	911	1060
1928	1236	1297	1434	1464	1326	1591	1612	1577	1291	1447	1549	1324
1929	762	1172	1146	932	1112	1097	867	614	614	705	737	508
1930	846	823	852	924	760	846	847	1094	1087	975	1055	971
1931	752	761	761	765	792	855	850	782	466	772	836	837
1932	646	600	801	529	492	498	659	655	688	810	653	569
1933	697	770	755	638	584	708	677	692	593	585	655	788
1934	1168	1227	1459	1327	1332	1338	1475	1560	1610	1733	1506	1465
1935	828	868	945	933	970	1076	1156	1257	1038	744	924	917
1936	524	657	606	689	787	661	686	598	557	557	708	728
1937	700	730	674	796	723	654	682	678	678	671	723	723
1938	1204	1133	1394	1233	1198	1169	1163	1168	1163	1159	1412	1505
1939	699	591	609	860	885	895	1003	785	775	764	793	1045
1940	820	744	953	982	1044	1009	1262	1205	1074	1061	1439	1273

FEBRUARY

11	12	13	14	15	16	17	18	19	20	21	22
100	1010	1100	1180	1070	1100	1180	1210	1180	1220	1210	1210
1010	1070	1070	1010	1070	1070	1010	1010	1070	1070	1070	1140
1140	1140	1070	1070	1070	1010	1010	950	950	890	830	890
			1230			1750				1400	
1580	1580	1580	1340	1460	1460	1580	1580	1580	1580	1460	1460
1460	1460	1460	1460	1460	1460	1360	1460	1460	1460	1680	2480
1290	1270	1270	1240	1350	2430	2120	1870	2180	2180	2020	1820
1900	1800	1560	1350	1310	1270	1350	1440	1390	1350	1270	1270
1110	945	865	1020	790	945	1110	1020	1020	1020	1020	1110
810	880	920	960	1010	1160	1240	1280	1330	1310	1280	1310
3060	2950	2900	2840	2900	2900	2950	2900	2900	2840	2900	2840
1000	1000	930	950	965	1070	1040	1040	965	1000	965	1000
1440	1580	1960	1760	1760	2160	3400	2970	2610	2550	2580	2060
1410	1325	1370	1230	1170	1140	1060	1230	1230	1230	1140	1110
1550	1380	1340	1300	1260	1300	1460	1880	1780	1550	1460	1420
1220	1080	1080	1080	1080	950	1020	1220	1220	1300	1530	2190
890	930	930	820	730	820	930	1050	1110	1110	1050	1050
1206	1182	1106	1066	1057	1074	1109	1111	1159	1158	1164	1183
695	948	857	857	857	765	800	972	923	917	825	834
1355	1488	1493	1583	1534	1477	1432	1382	1486	1417	1449	1345
1062	1351	1356	1203	938	927	995	992	973	943	930	908
1021	976	1041	999	977	1017	1073	1130	1099	1102	1160	1176
1485	1215	1680	1900	2044	2933	2414	1311	1236	1465	1500	2195
1110	1014	889	731	670	753	1023	1101	1280	1253	1115	865
932	671	759	772	873	928	761	934	831	936	1022	1041
1336	1107	1307	1222	1178	1282	1356	1334	1266	1142	1164	1145
1758	1638	1637	1778	1775	1608	1581	1443	1443	1558	1677	1938
1497	1354	1252	1056	1033	1017	1000	1031	1004	1020	1020	1000
911	1060	1234	1243	1255	1150	1318	1204	1481	1789	3015	4104
1549	1324	1166	1475	1166	924	1188	1192	1442	1452	1593	1426
737	508	750	794	823	866	843	996	1049	1078	1044	931
1055	971	969	881	1343	1488	1268	1405	1290	1163	1767	1455
836	837	688	630	862	890	887	974	925	908	1005	832
603	569	549	436	431	543	466	468	489	534	496	666
655	788	781	713	770	940	702	768	777	769	763	769
1506	1465	1324	1322	1316	1384	1463	1465	1314	1192	1595	1550
924	917	918	928	883	753	781	922	934	1062	1119	1101
708	728	1003	835	1042	608	776	1012	716	896	843	1137
723	723	670	795	715	870	875	865	786	709	578	612
1412	1505	1707	1486	1459	1443	1199	1189	1128	1201	1437	1108
793	1045	811	811	813	911	675	799	798	909	762	883
1439	1273	987	910	1329	1058	947	1047	953	840	818	837

	21	22	23	24	25	26	27	28	29	30	31	Total
0	1210	1210	1290	1350	1390	1430	1450	1450				
0	1070	1140	1140	1140	1210	1210	1280	1770	1870			
0	830	890	890	890	830	770	770	830				
	1400				1400			1750				
80	1460	1460	1340	1220	1220	1340	1460	1460				
80	1680	2480	2330	2180	2040	2180	2040	2040				
80	2020	1820	1970	1870	2070	1970	4160	4380				
50	1270	1270	1270	2880	2460	2220	2110	1800				
20	1020	1110	1110	1110	1110	1020	1110	1110				
110	1280	1310	1280	1200	1160	1160	1110	1300				
40	2900	2840	2900	3060	3180	3420	4060	4130				
000	965	1000	1040	1140	1180	1210	1240	1320	1360			
550	2580	2060	2060	2160	2160	2110	2060	2110				
230	1140	1110	1170	1140	1170	1170	1140	1060				
550	1460	1420	1460	1380	1160	1160	1260	1230	1080			
300	1530	2190	2300	2140	1980	1880	1700	1790				
110	1050	1050	1104	995	1070	1076	1036	1112				
158	1164	1183	1223	1224	1222	1212	1248	1228	1160			
917	825	834	937	869	1096	1022	1156	1035				
417	1449	1345	1366	1431	1429	1418	1401	1401				
943	930	908	943	939	916	901	975	1087				
102	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	1163	1233				
1142	1164	1145	1314	1018	1072	1120	1290	1121	1165			
1558	1677	1938	1820	2302	2132	2024	1840	1906				
1020	1020	1000	992	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	800	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	891	968	998	1094	897	841				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	1520	1330	1350	1410	1510	1640	1610
1896	1510	1350	1350	1280	1350	1070	1070	1210	1350	1210	1280	1280
1897	890	890	1010	1070	1070	1010	1070	1140	1070	1010	1010	890
1898	1750	1920	1920	1920	2260	2430	2430	2260	2260	2430	2770	2600
1899	1580	1580	1580	1580	1460	1460	1460	1460	1340	1340	1340	1400
1900	1910	2040	2040	2180	2040	2330	2720	2980	3910	4230	4810	5990
1901	3930	4600	4270	3930	5060	2880	3260	3260	2880	2720	2640	2430
1902	1700	1610	1520	1480	1440	1440	1440	1440	1440	1410	1420	1390
1903	1110	1150	1200	1200	1200	1110	1090	1020	1020	1110	1200	1200
1904	3370	2760	2760	2560	2560	2560	3370	8180	11500	6760	5320	4890
1905												
1906	1240	1110	1110	1110	1110	1060	1060	1240	1390	1470	1430	1390
1907	3670	3060	3060	3000	2950	4550	4340	4480	4410	4200	4060	3930
1908	1280	1210	1100	1040	1140	1100	1040	965	1000	1000	1070	1210
1909	2160	2270	2440	2490	2670	2550	2610	2730	2790	2610	2550	2610
1910	3360	5500	6700	6700	7170	6850	6550	6700	6700	6700	6850	7170
1911	1060	1060	1110	1230	1230	1230	1370	1495	1450	1450	1495	1540
1912	1160	1230	1160	1040	1040	1160	1260	1230	1200	1220	1230	1230
1913	1050	1100	1150	1200	1200	1340	1340	1340	1580	1670	2140	2140
1914	1880	1880	1880	1980	2080	2080	2080	2490	2670	2880	3220	3300
1915	1062	992	998	1060	1019	1009	1000	936	962	955	1095	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	1095	1008	1106	1179
1925	1718	1562	1671	1765	1930	2758	3457	3358	2995	2556	2114	2019
1926	1202	1300	1387	1487	1756	1725	1529	1619	1608	1688	1803	1666
1927	2525	2255	2511	2289	3068	3019	3376	3240	3108	3075	2642	2793
1928	1167	1286	1069	1415	1375	1375	1157	1674	1888	2644	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	866	863	725	836	964	906	1008
1932	1428	1349	1203	1001	797	936	968	772	612	587	523	425
1933	818	792	761	748	752	687	696	700	731	826	824	836
1934	1277	1437	1573	1798	1355	1797	1802	1685	1658	1644	1619	1710
1935	1131	1204	1176	1098	1140	1115	919	1044	1161	1096	847	1094
1936	1060	1113	1325	1444	1573	1415	1504	1561	1549	1628	1656	1581
1937	790	989	1096	962	1033	960	1019	1107	1192	1049	1089	1490
1938	1642	2168	2514	2687	2426	2421	2152	2171	2235	2239	2239	2307
1939	860	775	908	1023	1004	1017	906	878	986	869	1097	1130
1940	4175	3300	2919	2488	2269	2210	1929	2065	2602	2525	2309	2061

MARCH

	12	13	14	15	16	17	18	19	20	21	22	23
	1610	1550	1490	1410	1370	1350	1370	1390	1390	1390	1390	1390
	1280	1350	1350	1350	1350	1280	1350	1350	1590	2430	2970	3120
	890	770	890	890	890	1090	1070	1010	950	950	1010	1210
	2600	2450	1920	2090	1920	1750	1750	1750	1750	1920	1750	1580
	1400	1400	1340	1340	1340	1340	1580	1940	2060	2060	1820	1820
	5990	5990	5860	5860	6120	6120	6390	6390	6120	6120	6120	6660
	2450	2180	2180	2180	2180	2570	2570	2570	2720	2880	3950	3480
	1390	1390	1350	1350	1350	1350	1350	1350	1350	1440	1440	1440
	1300	1380	1470	1570	1570	1570	1570	1620	1680	1680	1900	2010
	4890	4480	4090	3900	3540	3720	3900	4890	4680	4380	4000	3900
							1930	1850	1660	1630	1630	1630
	1390	1350	1280	1160	880	750	810	880	1060	1160	1240	1350
	3930	3740	3480	3540	3670	3540	6220	10600	10800	11300	9990	8630
	1210	1360	1560	2780	3950	3810	4940	4100	5270	3020	2840	2780
	2610	2610	2850	3210	3780	4130	4130	3990	4130	3850	3850	4060
	7170	7490	8450	8770	9250	9890	10400	11800	15200	15600	16600	16100
	1540	1540	1640	1895	2170	2555	2670	2980	3370	3910	4200	4800
	1230	1230	1340	1380	1500	1460	1420	1380	1380	1290	1300	1420
	2140	1840	1670	1500	1500	1500	1670	1670	1500	1340	1420	1340
	3308	3520	3750	3830	4340	4730	5120	5530	5180	5120	4780	4730
	1198	1186	1224	1206	1298	1379	1285	1540	1669	1546	1951	2185
	3064	3552	3443	3345	3506	4057	4521	4902	5657	6189	5434	4801
	944	812	905	866	887	826	865	848	926	1024	1016	1020
	1645	1744	1699	1758	2397	2209	2118	2637	2705	3355	3813	4013
	1069	1080	1065	1035	1123	1195	1138	1135	1280	1488	1788	1819
	1257	1295	1490	1569	1470	1534	1444	1393	1342	1443	1808	2109
	4010	4085	3895	4426	4168	4590	4450	5725	5346	4561	5073	4960
	917	990	725	485	777	1255	1822	2246	2395	2310	2235	2681
	1182	1842	1158	1014	1033	1057	1148	1122	1064	1290	1237	1219
	1179	1044	1078	1016	974	969	958	964	964	1028	976	948
	2019	1995	1789	1790	1844	1983	1982	1988	2033	2661	3692	4305
	1666	1828	2490	2728	3083	3576	3155	2939	2805	2769	2811	3040
	2793	2492	3090	3901	3346	2755	3078	2766	2728	2486	2462	2777
	5304	4629	3924	3468	3168	3096	3370	3742	4360	5013	6156	8715
	1527	1838	1653	1582	1654	1720	1856	1860	1920	2042	3083	2788
	1117	1113	1261	1479	1437	1565	1670	1693	1705	1900	2038	2073
	1008	1288	1209	1220	1385	1416	1527	2571	2553	2565	2865	2833
	425	1619	1339	1478	1533	1501	1836	4216	8578	6327	3770	2934
	836	1117	1000	1002	1074	1221	1313	1257	1273	1335	1141	1098
	1770	1837	2141	2312	2658	2822	2573	2354	2330	2320	2466	2662
	1094	1118	1364	1774	1797	1687	1588	1616	1413	1528	1418	1397
	1581	1767	1654	1434	1293	1444	1398	1468	1722	2304	2481	2260
	1490	1505	1632	1906	2266	2159	2510	2013	1649	1577	1462	1428
	2307	3039	3496	3291	3526	4726	4586	4644	4468	3838	3471	3509
	1130	1378	1424	1283	1105	1621	1981	2445	3140	3413	3878	4466
	2061	1760	1737	1933	1711	1738	1859	2078	2107	2227	2467	2746

Chart 2B

21	22	23	24	25	26	27	28	29	30	31	TOTAL
1390	1390	1390	1430	1550	1740	2060	3000	3430	2860	2590	
2430	2970	3120	4100	4100	6490	8260	6810	6190	4100	3930	
950	1010	1210	1510	1870	3120	3430	3120	2970	2690	2450	
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	5930	5330	5060	5060	
2880	3930	3480	5060	3060	2640	2570	2430	2240	2180	2180	
1440	1440	1440	1440	1440	1440	1480	1440	1440	1440	1440	
1680	1900	2010	2400	9340	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	7430	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	9090	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	4340	3880	3690	3260	3090	5040	5000	
1546	1951	2183	2500	2319	2190	1985	2080	2787	2612	2076	
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	
4561	5073	4960	4927	5093	4881	4413	4092	4221	4306	4633	
2310	2235	2681	4669	4453	3473	3156	2936	2782	2429	2972	
1290	1237	1219	1532	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	3398	2575	2525	2318	2074	2030	1865	
2486	2462	2777	2726	3174	3384	3152	3273	3732	4012	4810	
5013	6156	8715	8649	9920	8122	8559	8443	7252	6658	6978	136,423
2042	3083	2788	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	5363	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	13
1898	2470	2350	2460	2560	2330	2210	2120	2250	2520	2830	3020	3240	35
1896	3760	2970	2830	2830	2970	2970	4100	4470	3760	4890	3930	3930	687
1897	2560	2190	2080	2190	2080	2430	2430	2310	2970	3590	4890	6490	788
1898	1580	1750	1750	1400	1230	1400	1750	1580	1580	2090	2260	2600	380
1899	2780	2980	2980	3170	3760	3760	3760	4580	5580	7000	7600	8320	814
1900	5060	6660	7450	6920	6660	7180	7720	7450	6650	6660	5860	6390	7180
1901	2070	2240	2430	2360	2300	2300	2300	2300	2360	2720	3460	4380	5050
1902	1390	1850	1930	2460	2460	2460	3365	4160	3030	2590	2590	2660	2660
1903	7110	6520	5710	5710	5220	5220	5220	4310	4530	7740	6810	5710	4980
1904	4090	4090	4480	5320	5770	6010	5770	5890	6760	10400	11500	13700	15500
1905	1650	1710	1750	1840	1970	2320	2810	2920	3050	2810	2570	2470	2570
1906	4550	3670	3240	3060	2900	3540	4340	5110	5250	5620	4830	4620	4760
1907	6520	6670	6970	7040	7270	7350	7510	8230	9030	11600	11600	13680	14600
1908	2190	2190	2290	2500	3140	2900	2780	2800	3140	5180	5580	6780	8670
1909	6650	7450	8200	7550	7100	6400	5900	5900	5600	6600	6550	6450	7150
1910	8290	8290	8930	8450	8450	8450	8610	8930	9890	10500	11500	12000	11800
1911	6150	6560	6550	6100	5750	5280	4970	4520	4790	5050	4750	4280	4120
1912	3230	3770	4740	5300	5280	4090	5060	6100	7200	8070	7870	7360	6560
1913	4640	4300	3840	3370	3730	4110	4050	3990	4230	4600	5280	5980	6980
1914	2690	2920	3260	4140	6260	7270	7360	7760	7840	8420	8500	8100	8510
1915	1975	2230	2616	2764	2684	2821	2763	2591	2640	2677	2799	2997	3574
1916	5108	5908	6338	6649	6947	6649	6611	7382	7735	8918	11761	11444	10351
1917	1538	1386	1557	1500	1522	2002	2515	3849	2374	3735	3881	4131	6451
1918	6402	6266	6621	5948	4910	4575	4018	4595	4356	4985	7036	7100	6877
1919	5805	6183	6303	7518	8333	7507	6650	5390	4657	4320	4467	4513	4483
1920	1549	1628	1531	1432	1533	1963	2111	2495	2798	3230	3602	3889	4069
1921	4960	5767	7327	8583	6136	7996	5956	5193	4763	4887	6514	5327	7017
1922	3260	2889	2775	4554	4485	4692	4458	6294	6242	5026	5028	3849	3758
1923	4206	4488	4476	4386	3861	3958	4326	3854	3633	3645	3874	5255	4705
1924	933	944	962	1132	962	1056	1305	1922	2506	2714	2762	2722	2699
1925	5595	5335	5480	5275	7895	7885	7895	7900	8830	10400	11355	13050	14200
1926	1991	1761	1894	1767	2133	2025	2316	2702	3180	3305	3319	3344	3483
1927	4481	5998	5446	4916	4032	4406	4917	5380	5659	5298	4742	4570	3980
1928	5834	5406	5252	4801	4587	4407	3948	3809	3590	3952	3737	4216	3607
1929	1871	1814	1951	2290	2609	2586	2202	2129	1930	1688	1726	1701	1558
1930	2581	3183	2944	3242	3610	4160	5125	5379	5540	5662	5685	5631	5525
1931	2199	3177	3354	2629	2470	2533	2709	3256	3115	3192	3072	3206	3540
1932	3195	3973	4861	5202	4783	4470	4032	4038	4045	4011	4576	5694	7452
1933	1590	1914	2492	3599	3806	3357	3080	2669	2455	1864	1512	1407	1486
1934	4654	4001	3629	3525	3291	2945	3039	3299	3634	3548	4155	4344	4924
1935	1763	1721	1651	1964	2515	2513	2285	3268	4057	4412	4198	4443	4871
1936	1390	1325	1255	1342	1284	1257	1301	1543	2409	3573	4529	6748	8620
1937	2008	2800	3385	2295	2160	1990	1889	1776	1642	1960	1960	1988	2287
1938	2867	2545	3270	2989	3119	3515	3893	4296	4548	4828	5365	5802	6088
1939	5941	6390	6610	6985	6927	6185	5572	5178	5441	4937	4823	4697	4700
1940	9288	8136	6835	5923	5711	5180	4692	4636	4581	4810	4623	4422	4762

APRIL

11	12	13	14	15	16	17	18	19	20	21	22
020	3240	3510	3680	3850	4020	4200	4370	4510	4680	4890	4470
930	3930	6810	11000	7150	6190	5910	4890	4470	3930	3760	4890
890	6490	7880	8660	14300	19000	26200	27000	29500			
260	2600	3800	5170	5510	6020	6360	6360	5510	5510	5680	5580
7600	8320	8140	7450	7300	10170	8500	8690	7000	6700	6700	7960
5860	6390	7180	6120	5600	6120	5860	6120	6120	6120	6120	6120
3460	4380	5050	5720	5500	5050	5280	5500	6170	6840	6840	7180
2590	2660	2660	2590	2730	3740	4160	5500	5950	6400	5500	5050
6810	5710	4980	5220	5340	5710	6240	6520	6660	6810	7740	11500
1500	13700	15500	18000	19700	17800	16400	15400	17200	18000	15400	12200
2570	2470	2570	2490	2490	2660	2820	2710	2980	3380	3380	3320
4830	4620	4760	4830	5470	6070	6300	6370	6440	6520	7430	8070
1600	13680	14600	15600	17000	16000	14500	13600	12300	11300	11400	11400
5580	6780	8670	7950	7770	8760	8040	7950	8850	9600	10100	10600
6550	6450	7150	8000	8450	9000	9150	9150	9050	8750	8450	8000
1500	12000	11800	11200	10500	10000	10000	10000	10200	10800	10500	10400
4750	4280	4120	3890	3780	3630	3750	4300	4430	4410	4250	4280
7870	7360	6560	5780	5600	5280	5240	5530	5350	5240	4970	4970
5280	5980	6980	7710	8310	7440	6900	7490	7910	7520	8100	8670
8500	8100	8510	8750	9650	11300	10100	9250	8870	8800	8900	9490
2799	2997	3574	3719	3501	3663	4073	4056	4108	4130	4300	4090
11761	11644	10551	10410	10620	10490	9840	9550	8500	7540	7470	7660
3881	4131	6451	4496	3948	3509	3093	2976	2850	3091	3701	5092
7036	7100	6877	6838	6577	6063	5537	5144	3862	4145	4422	4966
4467	4513	4483	4467	4267	4022	4083	4226	5155	5903	6490	6946
3602	3889	4069	4230	4214	4248	3943	3558	3452	3535	3694	3728
6514	5327	7017	8340	7536	6812	6002	6002	6172	6725	7155	7138
5028	3849	3758	3457	3506	3305	2840	2585	2630	3265	3935	5425
3874	5255	4705	4777	4548	4905	6311	6805	6347	6092	5045	4455
2762	2722	2699	3378	3415	2745	2250	2191	2015	2144	2124	2476
11355	13050	14200	12950	11335	11440	11755	12275	10665	8930	7786	7050
3319	3344	3483	4083	4321	4867	5381	5802	5848	6001	5863	5023
4742	4570	3980	4118	4603	4980	4956	5073	4648	4734	4200	4305
3737	4216	3607	3977	3797	4053	4198	4445	4659	4221	4380	4232
1726	1701	1558	1562	2046	2219	2552	3065	3471	4107	4235	3966
5685	5631	5525	5481	5290	4418	3885	3774	3343	3400	4141	4781
3072	3206	3540	3324	3143	2972	3083	3119	3354	2833	3070	2981
4576	5694	7652	8697	9076	8305	8060	6727	6413	6664	6338	5443
1512	1407	1486	1487	1809	2471	3328	3477	3250	3663	4220	4186
4155	4344	4924	5274	5156	4687	4476	3941	4048	3958	4144	4688
4198	4443	4871	5695	6446	8138	7767	6191	5524	6063	7305	8311
4529	6748	8620	10535	11125	13522	12154	15960	18600	18270	17980	17140
1960	1988	2287	4490	5662	7167	5220	4422	3785	3810	4022	4497
5365	5902	6088	6436	6674	7394	7848	8938	12800	14070	12825	12541
4823	4697	4700	4359	4117	3946	4252	4451	4701	5133	5708	6149
4623	4422	4762	5769	6669	6698	6023	5786	5661	6661	6781	6276

	22	23	24	25	26	27	28	29	30	31	TOTAL
0	4470	4890	5380	5910	6810	6490	6840	6220	6490		
0	4890	5130	5130	5910	7150	5640	5380	5640	5130		
0	5580	5680	5680	5850	6540	6540	6540	6360	6190		
0	7968	10918	13138	11280	11650	9060	7960	7300	6700		
0	6120	6120	6120	6120	5860	5860	5860	5860	6120		
0	7180	7740	8640	7850	8080	7290	7070	7520	8410		
0	5050	4600	4160	3840	3940	3940	3740	3550	3740		
0	11500	11000	11500	12100	13300	12700	10500	8410	8070		
0	12200	10100	9120	9120	11100	13600	11800	11100	10600		
0	3320	3540	3540	3950	4410	4570	4070	3760	3590		
0	8070	8550	7830	7430	6520	6300	6220	6520	6600		
0	11400	12500	12500	12500	12100	11900	11500	11300	11300		
0	10600	9900	8940	7940	7590	7140	6690	6510	6690		
50	8000	8200	8350	8000	9400	10500	10200	9000	7460		
00	10400	10300	10300	11000	11300	11500	11300	11000	10200		
50	4280	4620	5330	6500	8200	8500	8300	7640	7500		
70	4970	4800	4900	5780	5760	5740	6000	6440	8450		
00	8670	7650	6790	6430	7140	7870	8290	7430	6730		
00	9490	9590	9360	9300	7970	8070	7840	7630	6620		
00	4090	3728	3387	3212	3296	3292	3357	3493	3743		
470	7660	7490	9450	11390	13460	14960	14020	12050	10430		
701	5092	5900	7547	8193	9086	9314	9990	7615	6699		
422	4966	5569	6797	7647	7167	6552	6124	5937	5984		
6490	6946	7273	8021	9470	10433	10516	10355	10215	9956		
8694	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	4688	4838	5446	4520	4964	4277	3896	3826	3677	124,824	
7305	8311	7747	6145	5407	5092	5495	6314	6208	6221	149,729	
17980	17240	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	5
1896	5640	4890	5640	7880	7880	6490	6810	7151	6490	5910	6190	5910	5
1897													
1898	6190	6020	6020	5510	4650	4310	4480	4480	4480	4820	4820	4820	5
1899	6120	5300	5060	4820	5300	5850	9060	9800	13500	19000	17200	14200	13
1900	6390	6660	6920	7450	7450	8780	9300	10100	10400	11400	11960	11960	8
1901	8860	10200	9640	10200	11100	10400	10200	9980	10300	10700	11200	11300	120
1902	3740	3550	3190	3190	3190	3550	3940	6170	6840	6400	6400	6840	77
1903	7740	7420	7420	8410	9150	10000	10000	10000	9560	9560	9560	9560	110
1904	10100	10100	11500	12800	12200	12300	12200	11800	11800	12300	12300	12800	128
1905	3350	3470	3590	3490	3260	3100	3080	3120	3510	3350	2980	2900	27
1906	6820	6970	7430	8070	7430	7200	7040	7350	7510	8150	8310	8710	87
1907	10800	10800	10800	10900	10900	10900	11300	11700	11900	12100	12500	11200	1110
1908	7410	8040	7590	8040	7590	8220	9220	9800	9030	8130	6870	6340	617
1909	7460	7630	8900	10500	12400	11600	10800	10500	10200	10200	9000	8200	800
1910	9250	8610	7650	7650	7170	6700	6850	7490	8450	10200	10000	8990	989
1911	7120	7250	8020	8950	10500	10800	9830	9170	8830	7820	7650	7560	788
1912	7460	6960	6500	6500	6500	8610	7650	8610	10200	11200	11700	11600	11400
1913	6070	5560	5050	4900	5200	7010	8770	10400	11500	12100	10600	10000	9490
1914	6420	7440	8370	9300	9440	7970	8100	8720	9330	9780	10200	10100	9920
1915	4026	3604	3305	3116	3020	2941	2888	2903	3069	3551	3871	4165	5107
1916	9870	10380	11260	13100	14670	15500	16550	14530	13280	11290	9740	8368	7362
1917	6439	5992	6708	5333	6606	6891	7786	9186	10671	10755	11090	12189	13773
1918	6404	6947	7554	8322	9307	10178	11352	10905	9536	8102	7368	7053	6522
1919	10210	10145	9533	8796	7968	7060	6307	5859	5806	5888	5897	5904	5743
1920	4861	5043	4909	4768	4652	4792	5152	5739	6612	7537	8093	8757	8847
1921	7261	7755	8759	9742	10600	11249	11120	12239	13496	13910	12702	13006	11835
1922	8640	8540	9646	9720	10743	12962	12916	12990	12080	9860	8642	8478	8107
1923	4940	4692	4062	4192	4641	6060	7289	7961	8434	9077	9186	8109	7270
1924	3457	3764	4485	4706	4688	4063	3378	3124	3235	3411	4042	4398	4866
1925	6882	7686	9083	10064	11062	11068	12270	12925	11784	10735	10790	10810	10635
1926	5503	5871	5214	4970	6116	7094	5564	4564	4196	3898	3368	3284	3119
1927	15725	14530	11952	10368	9499	8677	8294	8783	7954	7425	6951	8019	8591
1928	9135	10829	10057	9251	9512	10998	12685	15575	17606	20710	19273	18790	16751
1929	4913	4434	4491	4685	4542	4042	3583	3457	4030	4447	4426	4578	5389
1930	3765	3864	3970	5467	5180	5134	5104	4739	4383	4140	3757	3970	3495
1931	3609	4058	4391	4662	4620	4414	5082	5434	4546	4100	3851	3721	4151
1932	6135	7136	7732	7851	7794	7823	7929	7696	8252	8880	8748	10569	12444
1933	7346	6420	5583	5035	4940	4732	4513	4667	3593	3581	3498	3460	3372
1934	3647	3545	3342	3220	3233	3363	4191	4610	4774	4241	3763	3629	3467
1935	6680	5978	6059	5657	5686	6321	7003	7070	6537	6514	6833	6491	6011
1936	10227	9873	9967	10642	12065	11988	10497	9402	7753	9294	10046	11808	12951
1937	3906	4075	5213	6310	7190	7705	7409	6848	6518	6490	6350	5891	5731
1938	16732	19286	15909	12980	10968	9465	8459	7776	7517	7516	8239	8808	9209
1939	8413	7872	8022	8056	8050	7733	6970	6422	5977	5674	5809	5719	5320
1940	5075	4824	5022	6141	6327	5574	5311	5100	5438	6117	7224	8852	9866

MAY

12	13	14	15	16	17	18	19	20	21	22	23
5640	5640	6490	6810	6810	6490	6190	6190	6490	6810	6190	5640
5910	5380	4890	4890	4890	4670	4490	4280	4280	4100	4890	7150
4820	5510	5510	5680	5590	5590	5000	4820	5000	5000	4910	4910
14200	13500	12800	11300	10200	9800	9060	7600	7300	7300	8320	9060
11960	8510	8510	8780	8780	8510	8240	8510	8240	7980	7720	7450
11300	12000	12200	12200	12700	12700	12400	11500	9980	9930	8640	8000
6840	7740	7740	7070	7070	6840	5950	5500	5160	4830	4720	4600
9560	11000	12700	12700	11500	10000	10000	8870	7110	5710	5220	4980
12800	12800	13200	13600	13600	13600	13900	13900	15000	16400	18000	18700
2900	2710	2580	2610	2650	3300	4600	4740	4710	4670	4100	3990
8710	8710	8470	8390	7430	6440	5920	5700	5700	5700	5540	5320
11200	11100	10100	9700	10300	11100	12500	13400	13300	12200	11700	10900
6340	6170	5740	5580	5340	5100	4860	4860	4700	4400	4180	3960
8200	8000	7630	8200	8600	8400	8200	8600	9300	9600	10200	10500
8090	9890	9730	9250	8610	8130	8130	8130	7650	7330	7170	7650
7560	7880	7840	8980	10200	9650	10100	9380	8830	8610	9030	9300
11600	11400	11700	11900	12100	12700	12900	13700	14300	14500	12600	11800
10000	9490	8470	7920	7380	6980	7810	8500	8370	8240	8610	9440
10100	9920	9280	9440	9440	9600	9600	9280	9440	9600	9600	9920
4165	5107	5486	5334	5239	5033	5678	6227	5729	5468	5074	5796
8368	7362	6601	6220	6100	6260	7084	8419	8397	8717	8517	7777
12189	13773	15296	17848	17555	13816	10629	9104	8562	8308	9284	9928
7053	6522	6344	6834	6187	6405	5535	4700	4942	4969	4717	4632
5904	5743	5583	5640	5977	6460	6663	6713	7383	8583	10072	11107
8757	8847	8650	8600	8868	9245	9623	9375	9031	8581	8430	8460
13006	11835	13156	14742	17174	18739	18115	15158	13165	12974	12930	12541
8478	8107	9843	10561	11636	13057	15220	16450	16220	15936	15925	13375
8109	7270	6800	6536	6497	6502	7160	8271	7573	7923	8121	7990
4398	4866	5179	5011	5100	5142	5186	4675	4490	4074	4020	3888
10810	10635	10765	10945	11500	11900	12500	13500	14350	14350	13870	12690
3284	3119	2976	3106	3160	3417	3436	3625	3665	4404	4192	3976
8019	8591	10096	13172	16588	19289	20061	16261	14384	11536	9768	8909
18770	16751	14770	12847	11587	11522	12200	13145	13409	12700	14513	14995
4578	5389	6215	6318	6482	6431	6411	6696	6424	7067	7767	8604
3970	3425	3382	3772	4247	4169	4856	4552	4844	4902	5365	5164
3721	4151	4646	5265	5201	5228	4870	4208	3632	3266	3062	2718
10569	12444	13580	13569	12341	10987	11458	11607	12051	12114	12710	10953
3460	3372	3373	3814	4758	5068	5745	4621	4861	4866	5561	5879
3629	3467	3378	3209	3135	3173	3354	3349	3178	3048	2961	2783
6491	6011	5706	5358	5307	6201	6411	5944	5963	6039	6926	7983
11808	12951	13995	14946	14675	12418	10608	9822	9807	8582	7622	6831
5891	5731	5755	6329	6530	6276	6467	6706	6535	6045	5598	5827
8808	9209	10208	11343	11734	12691	12971	12173	10396	9033	8327	8402
5719	5320	5334	5218	5272	5551	5486	5468	5275	4987	4246	4115
8852	9866	9587	9264	8237	7997	7395	7081	7261	7275	7288	7106

Chart 2D

	22	23	24	25	26	27	28	29	30	31	TOTAL
0	6190	5640	5380	5130	6490	7880	6810	5640	4890	4670	
0	4890	7150	11000	12500	14900	14900	19000	19700	23700	31200	
0	4910	4910	4910	4910	5000	5000	5080	6190	5680	5250	
0	8320	9060	9800	10900	9800	9060	10300	10500	11300	10900	
0	7720	7450	7450	7180	7180	6920	6920	6660	6660	6390	
30	8640	8000	7520	7740	8410	8640	9080	9080	8640	8190	
30	4720	4600	4480	4720	5500	6400	7520	8190	7960	7740	
10	5220	4980	4980	5220	5340	6240	6660	6810	7740	9150	
00	18000	18700	18000	16100	14800	12200	12200	12800	11500	11800	
70	4100	3990	3670	3360	3430	4700	4380	5360	5030	5120	
00	5540	5320	5540	5470	7040	6740	6520	6440	6070	5920	
00	11700	10900	10700	9900	9600	9220	9120	9120	10700	11300	
00	4180	3960	3890	4320	4620	4400	4250	4100	4250	4180	
00	10200	10500	10200	10200	10400	12000	13100	11700	10200	10200	
330	7170	7650	9090	8930	7970	8130	7650	7330	7810	8290	
610	9030	9300	9640	9500	9100	8690	8260	7700	8750	9620	
500	12600	11800	10800	10500	13000	13500	12700	12500	12900	13100	
240	8610	9440	11100	12200	12400	12800	13300	12700	12200	11800	
600	9600	9920	9760	9600	8640	8160	7680	7490	7460	7750	
468	5074	5796	5022	4787	4461	4241	4198	4667	4521	4537	
717	8517	7777	7247	6828	6999	5930	5910	6140	6270	6560	
308	9284	9928	11175	10899	12114	11333	11495	11952	11586	11785	
969	4717	4632	4615	4825	5036	5266	5255	5317	4972	4676	
583	10072	11107	11444	11323	10110	9820	9536	10170	11580	11316	
581	8430	8460	8352	8041	7268	6578	6181	6337	6674	6809	
2974	12930	12541	12865	13949	15565	16723	15918	15515	15115	14000	
5936	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	
4350	13870	12690	11780	11090	10725	10000	10855	11600	11513	10516	
4404	4192	3976	3964	3735	3313	3033	2768	3051	2762	3114	
1536	9768	8909	7754	7128	7836	8923	9582	8753	8044	7795	
2700	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
2114	12710	10953	8933	7079	6384	5838	5841	5783	5880	5991	282,088
4866	5561	5879	6017	6201	6925	8055	8577	7771	8254	9359	170,805
3048	2961	2783	2987	2913	2832	2553	2605	2394	2372	2394	114,508
6039	6926	7983	9299	9501	9016	8784	8402	8204	8005	8375	214,264
8582	7622	6831	6225	6950	7498	8365	9154	9524	9492	9120	312953
6045	5598	5827	6462	6098	6658	6286	6269	6315	5787	5017	190,596
9033	8327	8402	9447	11025	11983	14127	16428	15847	14345	12313	355,657
4987	4246	4115	3860	3410	3487	3285	3479	3664	4124	4620	170,918
7275	7288	7106	7107	7859	7933	7868	7286	6819	6630	6476	217,240

YEAR-	1	2	3	4	5	6	7	8	9	10	11	12
1895-	4470	4100	3930	3930	4100	3930	4100	3930	3760	3590	3430	3430
1896-	27000	27000	32100	29500	27000	24500	24500	25300	23700	25300	22900	22900
1897-												
1898-	4910	4820	4820	4480	4310	4480	4140	3970	4140	4650	4910	5170
1899-	10200	10500	12800	13900	13900	11300	10500	10500	9800	10200	11600	13900
1900-	6120	6120	6660	6920	7180	7850	7450	6920	6920	6120	5330	4940
1901-	7740	7740	7740	7070	6400	5720	5500	5050	4830	4600	4380	4270
1902-	7070	6170	5500	5280	5160	5050	5160	5840	6730	7520	7290	6840
1903-	13300	16300	16200	14400	13300	12700	15300	13800	14400	14400	15800	12700
1904-	11800	11800	10400	9440	9440	10100	9770	9770	9600	9440	9440	8900
1905-	6070	6260	5890	5380	5180	4940	4860	5360	5360	5010	5010	4920
1906-	5700	5470	5620	6070	6140	6440	5700	5700	5470	5540	5920	7430
1907-	11700	12200	12200	11900	11100	10900	11300	10700	10300	10000	9700	9320
1908-	4030	3820	3960	4260	4030	3890	3960	4400	4780	5500	6260	7770
1909-	11600	15900	15400	15900	16000	16000	14600	13000	11800	10800	9400	8230
1910-	9090	9250	8290	6850	6700	6850	6250	5950	5200	5050	5650	5950
1911-	10500	11500	12400	13400	13400	12800	13300	13800	13500	12400	12500	14100
1912-	15200	15300	15700	13600	14000	14400	14800	15300	15600	15100	13900	15300
1913-	11400	11000	10900	10500	9920	9680	9280	9360	9280	8720	8160	7600
1914-	8020	8150	8750	8400	7550	6430	5800	5620	4820	4510	4200	4160
1915-	5049	5114	4524	4067	3842	3890	3822	3999	4124	3945	3630	3428
1916-	6620	6470	6960	8179	9468	10068	10178	10582	11262	11622	10902	10012
1917-	10945	10482	10860	9902	9270	8811	9153	9429	11048	12940	12928	10816
1918-	4749	5176	5836	6558	7457	8777	9016	10176	10760	11557	12061	11855
1919-	10255	7472	6089	5464	5206	5145	5188	5118	4999	4586	4265	3990
1920-	6487	5870	5508	4985	4893	5269	6030	6487	7077	7214	6968	6349
1921-	14670	14220	14340	14695	15550	15973	17037	17258	17540	16818	16617	17625
1922-	11577	12915	12786	13520	14444	15650	16463	14815	15022	12475	10466	10142
1923-	6042	5198	4530	4716	4888	5297	6345	7213	8065	8744	9057	10502
1924-	1935	1858	2013	2026	1969	1634	1948	1302	1610	1463	1260	1293
1925-	8253	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	8113	7355	6921	6982	7153	6716	6596	6177	5303	5541	5158
1929-	4839	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-	3835	3636	3543	3254	2910	2647	2580	2501	2502	2161	2134	2028
1932-	5747	5425	5100	5332	6021	8061	7489	6278	5952	6154	6787	7159
1933-	11448	12048	12091	12508	11191	9955	10361	9261	9038	11474	11156	11117
1934-	2235	2292	2075	1917	1903	1614	1694	1788	1897	1628	1676	1636
1935-	8859	8727	8204	7712	7596	7983	8495	8603	8779	8648	7399	7437
1936-	9965	9828	8690	7783	7050	6627	7284	8334	7421	6245	5807	5408
1937-	4446	3857	3969	4140	4323	3737	3532	3159	3329	3796	3510	3291
1938-	12041	12283	13053	13791	13719	13699	13906	13723	13000	11393	9451	8936
1939-	4184	3820	3378	3153	2996	2798	2702	2364	2324	2327	2259	2226
1940-	6577	6623	6228	5771	5412	4936	4592	4410	4362	3753	3865	3782

JUNE

12	13	14	15	16	17	18	19	20	21	22	23	
3430	3760	3590	3760	3590	3430	3120	2970	3120	3270	3590	4100	4
22900	29500	35500	32100	32100	32100	31200	30400	27000	27000	22900	19000	15
5170	5510	5690	6020	6020	5100	4530	3900	3900	3740	3900	4530	3
15900	10200	11300	70500	11300	15900	16100	17200	18700	15000	11300	10500	12
4940	4940	4940	4810	5730	4810	4230	4230	4230	4460	4340	3910	32
4270	3930	3710	3710	3930	4380	4600	4930	5280	5500	5280	4830	43
6840	6510	5950	5280	4380	4160	3940	3940	3740	3550	3550	3550	37
12700	11500	10500	10000	10500	10000	10000	7740	7110	6520	6240	6240	54
8900	8180	8480	8800	10100	10800	10400	10100	8960	8480	8180	7580	65
4920	5090	4930	4460	4000	3990	3650	3110	2930	3120	2990	2930	28
7430	7990	6900	6740	6600	6600	6000	5620	5400	5320	5180	5040	47
9320	9320	8850	8130	7410	6340	5740	5830	6170	7050	7770	7220	65
7770	8670	8310	4550	5180	8490	7770	6870	5830	5660	4860	4400	42
8230	8230	8230	11800	13000	12800	12800	12000	11600	9600	9200	8230	80
5950	5500	5350	5350	5200	5050	4900	4190	4050	4050	3840	3490	33
14100	15100	14700	15100	15000	14400	13500	14000	13900	13100	12500	12300	112
15300	14300	13800	12000	10500	9410	8770	8610	8950	9600	9300	8990	91
7600	7360	7120	6580	6060	5980	5600	5530	5160	4640	4500	4640	46
4160	4280	4280	4140	4720	5020	5320	5620	5320	5020	4720	4140	38
3428	3149	2848	2699	2666	2802	2798	2820	2743	2732	2609	2598	25
10012	9570	10158	11058	12138	13142	14280	15450	13190	10262	8651	7470	714
10816	9286	7885	8621	10266	11395	13840	14535	14566	13453	12962	11684	1058
11855	12282	12601	11324	9414	7893	7507	7440	7170	6675	6964	6615	675
3990	3755	3557	3436	3383	3392	3334	3276	3154	3099	2937	2871	2719
6349	6153	6119	6316	6708	6845	6440	5909	5372	5213	5177	5181	5128
17625	16612	15901	13645	11422	8661	7218	7047	7591	7649	8270	8770	9205
10142	10280	11675	16005	12185	11735	11621	11721	11290	11142	10158	8827	7840
10502	9524	7543	5722	7972	5150	4877	5162	5152	5247	6730	6028	5878
1293	1160	1265	1703	1194	1061	1009	944	998	989	984	976	971
4857	4997	5108	6234	5415	5470	5210	6540	6391	7203	8280	8590	8012
1939	1807	1670	1581	1482	1379	1343	1274	1426	1364	1350	1304	1192
16150	16294	15869	15374	14561	13880	12861	12882	13360	12600	12002	11701	11590
5158	4911	4695	4404	4352	4304	3931	3857	3787	3733	3668	3625	3952
5578	5359	5535	5797	6342	7305	6062	4896	4275	3946	4095	4135	4073
6649	6288	5115	4867	4237	4229	4593	4238	3786	3579	3310	3101	2872
2028	1619	1750	1578	1506	1531	1507	1428	1323	1261	1205	1185	113
7159	8423	8638	9594	11250	10637	9648	8333	8291	8168	7948	9118	944
11117	11423	12035	12093	12214	11586	9977	8216	7127	6552	6375	5944	637
1636	1635	1578	1526	1430	1350	1263	1172	1064	1047	1056	1023	95
7437	7305	6893	6609	5901	5174	4585	4679	4618	4706	4385	4288	428
5408	5523	5579	5326	5307	4841	4555	4223	4012	3679	3637	3379	31
3291	2979	2708	2697	2762	2797	2776	2610	2537	2601	2822	2965	258
8936	9236	9148	8857	8741	8587	8585	7465	6657	6261	6787	6962	653
2226	2131	2218	2211	2269	2305	2220	2001	1968	1876	1821	1683	164
3782	4243	4395	4385	4048	3864	3613	3570	3328	3012	2827	2612	235

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
3120	3270	3590	4100	4100	4100	4100	3930	3930	3930	3760		
27000	27000	22900	19000	15500	14300	14300	27000	11500	9520	9520		
3900	3740	3900	4530	3740	3600	3600	3740	3600	3460	3460		
5680	5680	5680	5680	5510	5170	4650	4650	3970	3800	3460		
18700	15000	11300	10500	12000	12000	11300	10500	11300	12200	11300		
4230	4460	4340	3910	3710	3520	3330	2980	2810	2480	2350		
5280	5500	5280	4830	4380	3710	3060	2880	2720	2880	3060		
3740	3550	3550	3550	3740	3550	3190	3030	2730	2660	2520		
7110	6520	6240	6240	5460	5220	5220	5100	4980	4980	4530		
8960	8480	8180	7580	6300	6070	5540	5540	5540	5770	5770		
2930	3120	2990	2930	2880	2880	2770	2870	2560	2390	2240		
5400	5320	5180	5040	4760	4760	4900	5040	5920	5040	4480		
6170	7050	7770	7220	6510	6510	7770	7950	8670	9500	9220		
5830	5660	4860	4400	4250	4180	5020	5830	5420	5100	5340		
11600	9600	9200	8230	8040	7860	7580	7050	7680	7680	7680		
4050	4050	3840	3490	3360	3360	3360	3360	3360	3230	3100		
13900	13100	12500	12300	11200	9500	8750	8150	9160	8400	7970		
8950	9680	9300	8990	9170	8710	8560	8260	7150	6400	6100		
5160	4640	4500	4640	4640	4360	3940	3660	4080	3660	3400		
5320	5020	4720	4140	3870	3730	3640	3540	3450	3360	3270		
2743	2732	2609	2598	2578	2635	2581	2339	2045	1955	1920		
13190	10262	8651	7470	7140	7652	8584	9314	9784	9420	7796		
14566	13453	12962	11684	10581	10248	9269	9701	9485	9517	8933		
7170	6675	6964	6615	6730	5485	4699	4072	3663	3394	3524		
3154	3999	2937	2871	2719	2621	2430	2319	2248	2150	2078		
5372	5213	5177	5181	5128	4799	4317	3859	3554	3342	3465		
7591	7649	8270	8770	9205	9133	8310	6694	6628	7439	6826		
11290	11142	10158	8827	7840	6940	6928	6536	6080	5557	5137		
5152	5247	6730	6020	5878	5423	4917	5132	5037	5765	6268		
998	989	984	976	971	925	979	913	848	844	872		
6591	7203	8280	8590	8012	7286	6438	6298	5927	5747	5902		
1426	1364	1350	1304	1192	1123	1049	1099	1040	1031	935		
13360	12600	12002	11701	11590	11419	11187	13798	9724	8546	7506		
3787	3733	3868	3825	3952	4065	4037	4027	3594	3358	3328		152,828
4273	3946	4095	4135	4073	3962	3936	4005	3839	3784	3699		142,948
3786	3579	3310	3101	2872	2987	2604	2442	2394	2359	2241		128,691
1323	1261	1205	1185	1133	1108	1016	898	722	687	742		55,431
8291	8168	7948	9118	9447	8649	8662	7123	7040	6545	6073		229,112
7127	6552	6375	5944	6374	5249	4881	4988	4345	4269	3797		269,099
1064	1047	1056	1023	959	870	839	930	1017	1037	969		43,120
4618	4706	4385	4288	4283	3743	3480	3281	3130	3051	3078		181,631
4012	3679	3637	3379	3178	3153	2967	2866	2489	2357	2111		159,642
2537	2601	2822	2965	2580	2294	2115	1911	1769	1838	1648		89,498
6657	6267	6787	6962	6537	6114	6286	6412	6067	5592	5774		279,069
1968	1876	1821	1683	1640	1637	1643	1546	1417	1398	1429		67,944
3328	3012	2827	2612	2354	2123	2041	1855	1717	1899	1432		113,629

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	3598	3430	3430	3430	3120	3120	3430	3430	3270	3270	3120	3120
1896	9080	11500	12500	12500	11500	11000	10500	9980	9080	8660	8260	8260
1897	3460	4080	3600	3260	3260	3070	2880	2810	2420	2290	2360	2350
1898	3290	3120	2600	2600	2430	2600	2430	2430	2600	2600	2430	2600
1899	11300	10200	10200	9800	8690	7960	7780	8320	7780	7600	7300	7000
1900	2180	2040	1980	1910	1680	1620	1570	1460	1460	1520	1520	1520
1901	2880	2880	2880	2800	2430	2300	2300	2300	2180	2180	2070	1970
1902	2280	2400	2340	2660	2220	2110	2000	1900	1900	1950	1950	2000
1903	4310	3900	3520	3080	2990	3020	2990	2830	2610	2400	2400	2260
1904	5770	5540	5540	5540	4680	4680	4680	4680	4680	4090	3720	3370
1905	2150	2150	2060	1970	1870	1790	1710	1630	1550	1470	1430	1350
1906	4130	4270	4480	4550	4340	4200	4060	3860	3670	3420	3240	3180
1907	8940	8670	8850	9220	8940	7770	6000	6260	6990	6870	6510	6260
1908	5580	5660	5740	4400	5500	4940	4400	4400	4320	4100	3960	3560
1909	7680	7500	7500	6780	6260	6010	5770	5470	5170	3910	3720	3650
1910	2970	2780	2660	2600	2720	2360	2250	2140	2140	2030	1980	1880
1911	7230	6360	6100	6300	6350	6240	6280	5720	4880	4370	3950	3820
1912	5500	5050	4610	4050	3910	3770	3630	3490	3230	3100	2970	2970
1913	3530	3400	3270	3400	3140	3140	3140	3020	2770	2650	2420	2200
1914	3180	3030	2890	2760	3770	2960	2710	2470	2280	2200	2340	2160
1915	1899	1843	1780	1767	1672	1872	1894	2065	1762	2001	1666	1582
1916	7236	8410	8074	6851	6408	7015	7302	7394	7511	6736	6069	5816
1917	8343	8083	7952	8089	7896	7188	7099	6683	6293	5838	5125	4666
1918	3181	2916	2773	2605	2470	2176	2197	2210	2055	1968	1934	2086
1919	1934	1869	1728	1626	1537	1460	1448	1411	1384	1334	1272	1218
1920	3529	3574	3425	3139	2987	2825	2654	2470	2315	2167	2047	1998
1921	5928	5285	4216	4406	3896	3750	3922	3772	3731	3650	3313	3645
1922	4597	4132	4014	3657	3499	3258	3454	3009	2946	2656	2512	2506
1923	6345	6011	5031	5109	4710	4275	4065	3834	3931	3472	3246	3702
1924	789	695	686	684	675	629	650	615	615	563	554	590
1925	5650	4866	4388	4062	3889	3613	3299	2852	3004	2639	2536	2674
1926	944	927	880	861	826	812	800	780	824	829	841	774
1927	7214	6826	6685	6340	5880	4949	5104	5014	4905	4723	4366	4377
1928	2922	3023	2928	2683	2796	2729	2403	2319	2309	2102	2098	2084
1929	3459	3260	2814	2599	2363	2282	2149	2042	1917	1860	1793	1686
1930	2096	1895	1887	1913	1846	1799	1709	1599	1490	1414	1403	1429
1931	730	780	726	704	655	637	634	635	632	631	646	645
1932	5403	5232	4606	3919	3729	3321	2775	2850	2956	2703	2467	2595
1933	3548	2842	2789	2615	2584	2423	2312	2142	2093	2005	1803	1648
1934	914	878	858	823	780	763	728	737	714	675	684	639
1935	2696	2493	2479	2280	2287	2144	2301	2041	1898	1746	1630	1669
1936	2004	1849	1680	1686	1614	1638	1552	1528	1379	1493	1522	1550
1937	1701	1497	1437	1252	1358	1258	1244	1248	1218	1200	1109	1039
1938	6644	5707	5906	5470	5398	5031	4585	4216	3980	3947	3606	3538
1939	1347	1354	1301	1285	1388	1464	1389	1329	1264	1131	1072	1056
1940	1470	1571	1481	1482	1526	1422	1394	1353	1196	1165	1149	1096

JULY

1	12	13	14	15	16	17	18	19	20	21	22	23
20	3120	3120	3120	3120	3120	2830	1870	1870	1770	1680	1680	1570
160	8260	7510	7150	6490	5910	4890	4470	4100	3120	2560	1870	2560
160	2350	2290	2290	2290	2160	2160	2290	2160	1900	1840	1640	1980
130	2600	2260	2260	2090	1920	1750	1660	1580	1490	1400	1320	1230
100	7000	6700	6120	5580	5060	4820	4580	4480	4160	4160	3760	3560
120	1520	1460	1410	1270	1270	1230	1190	1160	1100	1080	1080	1050
070	1970	1970	1870	1780	1780	1690	1640	1600	1600	1540	1510	1560
050	2000	2060	1950	1900	1850	1800	1700	1700	1610	1520	1350	1190
100	2260	2400	2330	2260	2400	2470	2400	2010	1950	2010	2130	2010
720	3370	3210	3050	2900	2670	2500	2500	2440	2380	2380	2380	2440
130	1350	1270	1210	1170	1140	1070	1030	1010	990	970	950	930
240	3180	2950	2780	2510	2350	2200	2060	1950	1780	1660	1590	1660
510	6260	6260	5420	5100	4700	4480	4250	4250	4320	4100	3950	3810
960	3560	3430	3690	3960	3070	2470	2420	2320	2170	2120	2030	2030
720	3650	3410	3170	3050	2930	2810	2590	2540	2370	2200	2150	2050
980	1880	1830	1780	1730	1680	1380	1550	1550	1420	1420	1420	1340
950	3820	3680	3540	3540	3480	3280	3150	2960	2710	2590	2420	2300
970	2970	2840	2840	2720	2680	2480	2480	2480	2250	2250	2030	2030
420	2200	2100	1990	1890	1800	1710	1710	1620	1710	1620	1620	1620
340	2160	1980	2010	1840	1780	1710	1620	1540	1550	1810	1630	1470
866	1582	1539	1570	1370	1162	1228	1197	1111	1102	1041	1007	960
069	5816	5584	5211	4830	4471	4661	4001	3584	3258	3110	2894	2704
125	4666	4380	3940	3492	3222	3052	2971	2744	2579	2380	2210	2055
934	2086	1858	1735	1698	1819	1718	1480	1719	1651	1566	1585	1272
272	1218	1122	1094	1119	1087	1047	948	914	863	888	835	770
047	1998	1990	1889	1752	1589	1537	1431	1424	1360	1333	1270	1243
313	3645	2956	2907	2538	2870	2392	2293	2277	2086	1840	2042	1872
512	2506	2385	2241	2007	2334	1919	1936	1861	1838	1891	1776	1739
246	3702	3204	3249	3091	2602	2790	2609	2362	2191	2148	2125	1893
554	590	587	580	561	540	523	522	531	544	544	544	544
536	2674	2361	2203	2092	2054	1884	1917	1803	1793	1619	1735	2095
841	774	739	672	681	646	689	638	639	600	542	497	494
366	4377	4170	3847	3643	3553	3168	3209	2923	2887	2756	2365	2375
098	2084	1974	1920	1875	1856	1845	1733	1627	1567	1475	1455	1421
1793	1686	1602	1480	1415	1354	1355	1252	1221	1092	1078	1060	981
1403	1429	1356	1355	1261	1219	1199	1139	1084	987	965	989	950
646	645	618	603	595	598	576	555	552	516	496	455	450
2467	2595	2242	2710	2887	2349	1979	2035	1902	2203	1820	1761	1717
1803	1648	1548	1427	1415	1299	1253	1270	1209	1113	1059	1017	1018
684	639	558	528	513	554	560	552	563	524	512	463	496
1630	1669	1715	1652	1548	1480	1436	1378	1245	1214	1149	1144	1103
1522	1550	1544	1481	1344	1263	1224	1216	1173	1144	1092	1113	1103
1109	1039	964	897	849	863	855	923	858	861	801	781	779
3606	3538	3017	3060	2911	2940	2934	2684	2491	2264	2223	2109	1931
1072	1056	1033	973	946	909	869	854	831	793	772	770	771
1149	1096	1062	1020	968	944	876	871	845	836	826	812	772

Chart

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
1770	1680	1680	1510	1430	1350	1350	1350	1280	1550	1350	1280	
3120	2560	1870	2560	3120	3120	2310	2080	1870	2310	2310	2190	
1900	1840	1640	1980	1840	1770	1640	1640	1580	1510	1380	1440	
1490	1400	1320	1230	1150	1060	978	892	892	892	978	892	
4160	4160	3760	3560	2980	2980	2780	2580	2580	2390	2490	2390	
1100	1080	1080	1050	1050	1120	1120	1050	1050	990	978	960	
1600	1540	1510	1560	1600	1560	1510	1350	1200	1130	1080	1060	
1610	1520	1350	1190	1190	1190	1126	1120	1120	1120	1120	1040	
1950	2010	2130	2010	1900	1900	1780	1780	1570	1470	1380	1330	
2380	2380	2380	2440	2260	2140	1920	1810	1810	1810	1700	1600	
990	970	950	930	880	860	840	820	820	810	780	750	
1780	1660	1590	1660	1740	1410	1370	1310	1300	1260	1240	1200	
4320	4100	3950	3810	3600	3460	3270	3200	3340	3270	3020	2840	
2170	2120	2030	2030	1850	1810	1690	1580	1540	1470	1440	1330	
2370	2200	2150	2050	1970	1870	1820	1970	2080	1820	1680	1500	
1420	1420	1420	1340	1300	1260	1230	1160	1160	1130	1100	1070	
2710	2590	2420	2300	2190	2080	2020	1970	1860	1760	1720	1670	
2250	2250	2030	2030	1830	1830	1640	1640	1550	1460	1430	1930	
1710	1620	1620	1620	2310	3940	3800	3400	3140	2650	2420	2200	
1550	1810	1630	1470	1470	1395	1320	1250	1250	1270	1210	1210	
1102	1041	1007	960	929	892	871	870	845	831	813	849	
3258	3110	2894	2704	2591	2465	2424	2274	2162	2050	1944	1869	
2579	2380	2210	2055	2047	1881	1789	1743	1716	1640	1574	1514	
1651	1566	1385	1272	1111	1283	1265	1192	1118	1054	1241	1327	
863	888	835	770	762	747	746	729	747	741	743	753	
1360	1333	1270	1243	1180	1119	1109	1116	1140	1042	1046	962	
2086	1840	2042	1872	1694	1812	1677	1600	1436	1345	1389	1354	
1838	1891	1776	1739	1662	1599	1575	1450	1421	1442	1370	1347	
2191	2148	2125	1893	1950	2277	1986	1790	1772	1538	1484	1462	
544	544	544	544	544	544	520	500	470	450	430	425	
1793	1619	1735	2095	1675	1532	1380	1410	1433	1233	1350	1258	
600	542	497	494	493	485	465	459	442	429	429	429	
2887	2756	2365	2375	2078	2232	1979	2061	1834	1808	1930	1649	
1567	1475	1455	1421	1390	1300	1244	1243	1236	1222	1223	1144	
1092	1078	1060	981	987	949	923	875	845	846	811	804	49,144
987	945	989	950	928	888	841	855	823	822	774	722	39,617
516	496	455	450	435	423	418	405	406	389	384	406	17,335
2203	1820	1761	1717	1618	1507	1404	1412	1324	1328	1243	1152	71,149
1113	1059	1017	1018	996	985	945	913	888	886	881	879	49,805
524	512	463	496	478	461	440	421	413	427	427	441	18,626
1214	1149	1144	1103	1073	1021	993	1015	988	960	943	946	48,667
1144	1092	1113	1103	1098	1100	1076	1068	1062	966	880	837	41,279
861	801	781	779	732	729	710	705	683	640	622	597	30,410
2264	2223	2109	1931	1925	1773	1805	1736	1646	1725	1697	1484	100,383
793	772	770	771	795	778	690	669	648	670	659	630	30,440
836	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	850	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	1425	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
1510	1350	1280	1210	1210	1210	1210	1070	1070	1010	1010	950
1180	1180	1120	1120	1120	1060	990	990	925	925	860	795
892	806	806	806	721	721	550	550	721	721	721	721
1940	1940	1760	1700	1700	1700	1700	1580	1520	1580	1700	1820
822	855	870	880	845	830	845	830	822	830	822	822
800	830	818	830	800	830	818	800	800	818	830	830
635	830	865	879	886	865	830	830	830	795	795	774
828	828	790	790	790	768	828	752	752	715	715	715
1160	1120	1120	1120	1100	1070	1100	1070	1100	1070	1160	1160
650	650	650	625	625	625	625	625	625	600	600	580
780	750	810	840	810	750	750	725	675	700	700	750
1720	1640	1600	1520	1480	1440	1400	1360	1320	1320	1280	1210
990	1050	930	960	1220	1050	1080	990	990	960	990	990
1110	1070	1030	1000	960	930	950	920	920	950	850	820
915	890	890	890	890	890	890	890	870	860	830	850
1260	1260	1200	1200	1160	1130	1130	1100	1100	1100	1070	1070
1300	1300	1300	1230	1230	1230	1160	1160	1160	1160	1160	1100
1460	1380	1380	1310	1310	1310	1230	1160	1160	1160	1160	1020
1000	1000	937	937	937	873	873	873	873	873	873	812
679	679	651	640	636	640	618	577	582	588	582	578
1322	1294	1264	1239	1207	1198	1251	1277	1390	1287	1234	1187
1066	1035	1008	997	971	969	1010	1093	1076	1007	967	925
916	830	814	895	875	964	1064	1021	981	893	820	700
613	628	670	667	624	621	585	593	563	556	546	537
693	645	621	578	553	571	579	595	558	526	480	504
1267	1328	1109	1069	1074	996	975	998	928	802	906	762
1129	1074	1003	980	989	926	961	943	987	935	910	883
1221	1182	1091	1055	854	1103	1030	898	829	1027	1612	1212
384	392	386	366	376	376	370	370	370	413	461	431
951	982	1177	1208	1278	1096	1073	974	1004	1023	908	901
511	509	516	509	496	479	465	460	528	642	674	644
1180	1166	1197	1234	1336	1420	1381	1326	1278	1217	1165	1068
885	796	793	773	784	782	768	740	744	751	727	739
632	638	601	564	522	501	479	446	488	503	506	532
819	925	922	929	893	904	802	771	745	733	730	700
355	355	360	360	360	360	360	360	360	360	360	360
918	905	898	835	846	827	778	769	719	683	621	626
698	670	606	576	566	577	602	583	576	539	517	490
315	352	367	385	393	380	380	372	356	357	356	343
655	627	594	568	568	561	553	571	590	579	581	571
669	758	811	855	910	878	768	706	630	570	593	593
468	460	437	385	365	350	346	359	383	375	358	350
1112	1122	1086	1056	1065	1086	1091	1065	1041	1011	1010	1046
479	493	499	502	493	466	416	380	394	364	353	365
476	509	468	470	498	461	454	433	416	415	443	457

21	22	23	24	25	26	27	28	29	30	31	TOTAL
950	890	890	890	890	890	890	950	890	890	890	
1010	950	1010	1010	950	1010	950	1010	1010	1070	1210	
860	795	860	860	860	990	990	990	990	990	860	
721	721	550	550	550	550	550	550	550	636	550	
1700	1820	1820	1700	1580	1460	1400	1220	1220	1100	1100	
822	822	855	880	905	870	855	855	822	830	830	
830	830	800	800	740	770	740	788	770	800	770	
705	774	760	760	750	728	728	728	695	695	708	
715	715	715	715	715	752	790	865	905	828	790	
1160	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	
1280	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	551	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	
1895	830	830	830	890	890	890	890	890	890	950	1070	1070	1
1896	1210	1210	1070	1010	950	950	950	890	890	890	950	950	
1897	860	990	990	990	1120	1120	1120	990	990	1120	1120	1120	12
1898	550	550	636	636	636	636	636	636	636	721	721	721	7
1899	1340	1340	1340	1340	1280	1220	1220	1220	1220	1220	1220	1100	11
1900	810	810	802	810	930	990	905	855	855	870	805	822	8
1901	770	770	770	830	850	800	800	800	800	770	770	770	74
1902	728	728	695	695	665	665	653	635	635	665	695	665	63
1903	828	752	715	715	715	715	715	715	715	715	715	828	94
1904	840	622	622	622	622	622	280	280	280	280	840	840	84
1905	560	560	560	560	560	560	560	560	560	560	560	560	56
1906	750	750	780	725	700	700	675	675	675	675	675	675	78
1907	1210	1240	1240	1280	1210	1240	1180	1100	1070	1040	1070	1100	1070
1908	870	840	810	810	782	810	840	990	930	870	900	930	900
1909	1020	1170	1250	750	1050	1170	1170	1090	1010	940	970	970	1000
1910	850	850	850	850	830	850	830	830	810	810	780	780	780
1911	993	969	969	969	993	1020	1070	1070	1070	1020	993	993	969
1912	1040	1100	1040	1230	1300	1160	1160	1160	1160	1100	1040	1160	1160
1913	956	892	956	956	892	892	892	892	956	1160	1020	956	892
1914	718	817	718	718	718	718	718	718	718	718	718	718	836
1915	678	868	753	675	660	653	646	619	624	627	632	609	679
1916	976	944	940	969	962	944	933	916	929	1025	1006	988	957
1917	781	766	783	754	741	731	725	713	698	683	694	701	705
1918	752	718	858	725	659	520	623	619	658	878	1037	1044	856
1919	502	493	503	511	511	500	504	524	542	546	523	495	470
1920	684	653	657	590	517	473	464	519	544	555	565	588	528
1921	756	718	733	730	774	842	721	686	726	680	693	632	749
1922	940	969	947	927	905	865	845	823	807	801	797	793	767
1923	832	859	770	817	766	797	714	631	716	685	679	628	753
1924	386	381	381	390	377	395	390	391	385	394	395	380	386
1925	743	736	669	658	544	686	825	1055	950	903	905	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	383	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	405
1935	498	482	456	482	513	543	559	524	519	515	505	496	485
1936	602	629	671	681	734	842	879	878	830	724	675	658	638
1937	447	468	450	430	431	411	445	468	436	417	420	391	402
1938	582	901	572	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

	12	13	14	15	16	17	18	19	20	21	22	23
70	1070	1070	1070	1140	1140	1070	1010	950	1010	950	950	950
950	950	890	950	950	950	990	890	830	890	890	830	890
10	1120	1250	1250	1120	1120	1120	990	990	990	1120	1120	1120
11	721	721	721	721	721	721	636	550	550	550	550	721
10	1100	1100	1100	1220	1280	1160	1100	1100	1100	1100	1050	1050
05	822	822	810	930	810	822	830	870	855	845	830	845
70	770	740	770	770	800	770	800	770	770	830	860	920
95	665	635	665	695	665	635	665	695	695	695	695	695
75	828	945	945	945	905	828	790	715	715	715	752	790
10	840	840	840	840	840	840	750	795	750	840	750	840
60	560	560	560	560	560	560	580	580	580	580	580	580
75	675	780	810	750	725	700	700	675	675	650	625	625
70	1100	1070	1040	1040	1000	1000	965	1000	965	930	965	930
00	930	900	870	840	930	990	1260	1120	1020	990	960	930
70	970	1000	910	870	840	840	840	810	840	780	790	850
80	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
140	1160	1160	1160	1100	1100	1100	1160	1160	1100	1040	1040	1040
020	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
332	609	679	632	656	665	648	630	651	607	607	597	594
006	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
037	1044	856	912	900	1008	927	948	936	1527	817	791	822
523	495	470	464	491	523	591	736	797	739	712	506	624
565	588	528	570	620	725	708	673	749	638	630	630	648
693	632	749	867	947	767	717	751	839	885	1037	1109	1037
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
385	380	386	382	399	388	388	387	402	434	455	569	458
805	796	916	769	832	856	833	770	731	768	877	874	747
456	449	451	460	461	460	526	521	485	505	598	499	499
830	971	1010	1045	1046	1015	1046	976	979	884	886	866	869
676	691	761	799	816	815	775	726	690	692	690	691	689
366	557	545	506	481	477	477	477	477	494	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	649	617
589	574	553	547	517	555	570	589	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

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	928	928	928		
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	950	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	586	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	834	911	889	841	825	835		
712	506	624	616	619	614	609	599	592	586		
630	630	648	733	801	851	841	824	815	824		
1037	1108	1031	901	933	942	934	855	885	856		
756	756	756	783	762	762	849	752	769	790		
645	638	652	670	581	691	875	925	943	235		
455	568	458	454	463	551	521	517	508	495		
877	874	747	823	771	833	744	811	766	662		
598	499	499	499	509	502	521	521	510	520		
386	366	369	395	377	362	346	1011	1054	1296		
690	681	689	684	684	684	684	684	684	684		
498	513	518	535	570	562	652	602	629	630		
526	512	521	563	617	640	643	627	626	627	16,244	
										17,360	
463	442	430	502	524	535	503	488	470	460		12,023
619	648	647	645	651	640	634	660	644	630		20,873
564	551	546	557	577	611	667	698	694	666		17,778
314	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	432		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	856	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	665	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	803	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	537	556	515	451
1935	518	518	491	516	493	498	498	515	496	511	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

12	13	14	15	16	17	18	19	20	21	22	23
950	950	950	890	890	890	890	950	950	890	890	890
830	830	830	890	830	830	890	890	830	830	890	890
1120	1120	1060	1060	1060	990	990	1060	925	990	990	990
892	892	978	892	892	892	892	892	892	892	892	978
1100	1100	1160	1160	1160	1220	1480	1880	2060	2390	2060	1940
930	920	920	905	905	880	905	1020	1020	1360	1190	1410
890	890	890	890	878	860	860	860	860	860	878	860
695	695	695	695	695	695	695	695	695	695	728	760
1110	1070	1070	1020	945	945	865	865	865	865	865	865
1020	875	930	930	1120	1120	1120	1160	1020	1020	948	930
675	675	700	700	730	760	730	700	675	700	730	730
650	700	675	625	675	700	725	700	700	700	700	700
870	965	1110	965	965	930	930	930	930	930	930	930
840	870	900	2580	2030	1470	1330	1220	1260	1400	990	1120
1000	970	930	930	950	950	950	990	1100	1070	1030	990
980	890	990	990	990	1020	1130	1040	1020	1020	990	990
1170	1170	1170	1170	1110	1095	1060	1060	1060	1035	1035	1035
1070	1070	1040	1040	1040	1040	1040	1040	1040	1040	990	1070
1080	1150	1220	1080	1020	1080	1020	1020	1020	1080	1080	1020
1030	1030	1030	961	961	961	1170	1410	1330	1410	1410	1330
646	695	702	708	700	691	896	687	679	683	680	668
1038	987	964	941	933	934	941	940	919	926	922	902
687	690	690	726	775	764	772	714	779	791	760	778
1049	1024	980	968	1009	1127	1245	1186	1102	1088	1153	1015
763	719	749	723	750	784	813	768	727	742	727	725
1180	1288	1203	1230	1215	1190	1079	1037	1088	1038	1035	990
908	835	786	728	645	750	1022	934	972	921	908	912
778	835	880	831	803	794	773	794	796	796	800	1155
945	912	827	804	861	973	1019	1010	943	973	973	1402
621	596	584	590	586	549	596	565	603	563	557	561
1069	1220	1147	1030	1179	1076	928	990	943	861	919	835
598	540	523	560	571	569	591	524	562	592	570	571
1048	941	927	1071	923	925	953	874	1077	708	864	1036
811	860	850	840	846	840	819	771	800	674	943	800
898	697	688	798	869	662	720	663	670	645	644	631
1058	828	877	806	785	748	654	693	638	688	734	917
486	444	446	437	456	506	501	478	488	518	508	573
734	715	708	714	686	695	907	892	698	879	627	705
787	729	599	761	833	592	591	587	597	609	595	610
515	451	378	539	550	556	554	550	546	575	619	717
532	535	541	534	474	521	577	581	554	536	481	636
556	746	641	585	654	631	630	638	656	618	728	640
509	494	491	491	520	885	1130	924	730	680	634	624
865	979	924	906	1155	1261	1207	1142	1082	1067	996	956
661	663	618	602	628	622	614	602	619	656	627	629
791	764	720	783	667	728	730	682	710	757	695	685

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	760	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	1083	992	906	1058	719	793	
	973	973	1402	1287	1064	1033	1005	968	977	908	925	
	563	557	561	540	550	538	544	683	1314	1303	1141	
	861	919	835	838	827	900	865	798	833	977	894	
	592	570	571	523	587	570	565	664	691	610	612	
	708	864	1036	1104	1009	1098	1381	1543	1445	1157	1386	
	674	943	800	779	713	760	794	780	870	900	1012	24,926
	645	644	631	631	631	631	635	637	689	648	650	19,678
	688	734	917	771	803	842	815	729	821	746	781	27,256
	518	508	573	639	639	637	654	602	556	596	591	15,712
	879	627	705	1101	761	682	752	760	723	881	585	19,571
	609	595	610	616	598	591	580	592	603	650	1186	20,638
	575	619	717	760	1020	997	877	757	720	697	692	18,529
	554	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	906	906	972	30,313
	656	627	629	699	639	632	631	583	503	852	533	19,586
	757	695	685	795	884	1025	973	944	941	889	993	26,584

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

- Interpolated

NOVEMBER

	12	13	14	15	16	17	18	19	20	21	22	23
50	950	950	950	1010	1010	1010	950	950	950	950	890	770
50				990			1250				1120	
78	721	721	721	721	721	892	1150	1060	1150	1060	1060	892
20	1760	1820	1700	1580	1700	1640	1580	1580	1580	1460	1460	1460
90	960	990	990	990	990	990	1050	1050	960	930	960	990
90	848	890	848	890	890	860	860	860	860	860	920	990
20	1040	1000	970	900	830	900	970	970	900	865	830	865
									1110			2130
75	675	675	675	675	675	675	675	675	675	675	700	700
90	810	1060	2350	2620	5250	2110	1470	1200	1160	1240	1240	1060
70	840	870	900	900	870	900	930	840	870	965	900	930
90	1020	1020	960	930	755	870	990	990	1050	1120	1190	1080
90	1230	1150	1190	1070	990	1070	1150	1570	3850	4190	5400	15200
90	1730	1600	1230	1160	1100	1100	1160	1160	1130	1340	1600	1830
50	930	970	1170	1300	1495	1300	1495	1230	1265	1265	1230	1035
90	1230											
90	1790	1530	1370	1300	1300	1300	1220	1220	1220	1220	1080	1080
51	961	1030	1030	961	780	830	898	731	839	839	839	961
84	725	721	731	769	919	771	781	797	818	869	859	867
54	733	622	824	1037	1057	1052	1052	1129	969	869	858	863
86	774	822	822	792	804	807	1103	915	671	675	742	884
54	932	925	941	950	1005	1030	1037	994	960	977	956	909
51	906	888	821	783	806	889	969	985	1007	1002	990	928
24	787	806	868	914	898	1063	1444	1837	2402	2470	2246	1900
03	874	795	871	877	933	777	723	786	910	1619	5726	3063
52	944	823	876	598	776	807	1013	1070	1066	826	756	812
95	827	851	838	856	828	821	835	809	782	759	893	821
12	875	775	659	709	765	652	629	568	812	1458	1391	1485
72	920	949	864	761	1838	931	897	852	775	755	757	823
95	907	1016	891	771	838	969	851	852	939	1970	1570	1370
29	3186	2620	2243	1723	2211	2746	2905	2531	2228	2999	3208	2745
00	776	762	811	909	814	783	852	611	622	831	889	881
51	752	613	529	535	601	567	674	686	661	665*	665*	665*
80	797	709	961	693	681	769	777	784	653	683	742	697
82	489	444	474	558	616	614	536	506	465	398	357	310
49	778	853	897	822	794	908	937	1050	942	890	870	837
80	751	737	733	757	745	706	764	918	842	705	794	645
47	781	717	775	680	673	693	778	954	988	897	874	829
07	618	725	604	602	654	657	750	755	683	659	642	658
46	664	637	605	688	587	736	742	642	639	611	600	604
59	655	661	729	818	777	754	851	613	1044	1681	1649	1216
88	890	851	1318	1111	1031	1349	1343	1099	1097	1107	847	751
62	647	624	714	665	612	658	525	580	554	561	615	546
56	952	930	633	780	963	924	1012	1083	930	850	958	704

Chart 2

21	22	23	24	25	26	27	28	29	30	31	TOTAL
950	890	770	770	770	890	950	770	950	1010		
1060	1120			1250				990			
1460	1060	892	892	892	892	892	892	892	978		
930	1460	1460	1340	1340	1340	1340	1460	1820	2060		
	960	990	1050	1050	1080	1120	990	930	990		
860	920	990	1200	1050	990	1060	990	1020	1120		
865	830	865	900	935	970	1040	900	900	935		
		2130		1680							
675	700	700	700	700	700	700	700	675	675		
1240	1240	1060	960	960	920	920	920	845	810		
965	900	930	965	1040	1070	1040	930	930	965		
1120	1190	1080	1080	1020	930	870	755	650	960		
4190	5400	15200	13000	9450	7370	5800	4700	4050	3850		
1340	1600	1830	1730	1640	1380	1100	1230	1300	1300		
1265	1230	1035	970	930	1230	1085	930	810	890		
1220	1080	1080	1080	1150	1230	1300	1450	1300	1220		
839	839	961	1030	961	961	898	961	1030	961		
869	859	867	886	830	790	788	683	767	957		
869	858	863	857	827	870	890	895	867	849		
675	742	884	856	860	962	780	785	887	675		
977	956	909	802	740	652	698	677	750	775		
1002	990	928	882	841	818	711	548	528	564		
2470	2246	1900	1627	1478	1384	1650	1568	1511	1385		
1619	5726	3063	2350	1690	1564	1601	1236	1514	1494		
826	756	812	411	818	620	659	717	681	745		
759	893	821	890	1177	1130	968	801	762	992		
1458	1391	1485	1229	1082	913	841	684	719	711		
755	757	823	805	971	939	1028	922	1016	915		
1970	1570	1370	1686	2075	2453	1941	1691	1692	2697		
2999	3208	2745	2307	2235	2821	3364	3341	3448	3900		
831	889	881	838	874	831	880	831	796	572	25,202	
665*	665*	665*	665*	665*	672	810	700	698	688	19,248	
683	742	697	790	876	828	729	860	742	708	22,709	
398	357	310	268	344	643	725	675	538	586	15,612	
890	870	837	687	789	699	826	808	834	888	28,239	
705	794	645	764	754	751	760	624	912	806	23,842	
897	874	829	839	875	795	812	817	761	776	24,722	
659	642	658	712	710	638	663	666	552	387	19,124	
611	600	604	555	594	590	473	414	414	420	18,300	
1681	1649	1216	1007	1038	1067	972	961	882	816	24,914	
1107	847	751	825	881	877	908	903	927	1113	33,697	
561	615	546	670	649	655	703	630	705	658	19,499	
850	958	704	664	852	855	863	806	1000	1326	29,882	

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1895	950	950	770	720	720	950	950	950	950	890	1010	1010
1896												
1897												
1898	1060	1060	1060	1060	1580	1920	2260	2770	2600	2600	2600	2600
1899	2060	1700	1520	1280	1220	1220	1340	1340	1460	1580	1580	1460
1900	1060	1050	990	1050	1050	1050	1050	1050	1050	990	990	930
1901	1130	2180	2070	2070	1870	1600	1350	1240	1310	1200	1130	1060
1902	970	970	1040	1080	970	970	970	970	1040	1270	1290	1190
1903			1200		1110			1020				865
1904												
1905	675	675	675	650	560	560	520	480	480	450	450	480
1906												
1907	930	840	810	870	930	965	1000	1100	965	900	1000	1000
1908	990	930	990	1050	990	930	930	990	990	960	900	920
1909	3460	3200	2660	2540	2480	2370	2370	2370	2840	2480	2100	2150
1910	1300	1300	1340	2140	1680	1460	1380	1340	1460	1380	1380	1460
1911	1060	1035	990	1085	1110	1170	1140	1085	1110	1100	1085	1060
1912												
1913	1150	950	950	950	950	950	950	886	824	824	1020	1080
1914	898	783	898	1100	1030	961	783	731	683	638	783	961
1915	859	812	947	1000	1103	985	949	918	892	843	790	784
1916												
1917	747	982	1088	1185	1117	1034	901	698	493	859	949	976
1918	2121	1942	1323	915	885	972	1042	827	985	1022	917	909
1919	829	842	896	927	955	1092	1090	1084	926	901	807	723
1920	829	989	1058	918	836	852	836	786	733	628	673	752
1921	1236	1260	1249	1211	1168	1011	951	817	872	1019	1222	1225
1922												
1923	3353	3890	2723	1816	1582	1435	1470	1310	1218	1350	1360	1552
1924	709	688	650	716	649	1000	662	821	784	612	670	655
1925	991	710	685	646	662	798	999	1103	819	615	486	524
1926	680	847	950	936	793	796	798	751	772	647	672	754
1927	967	1522	2346	1549	1348	1231	1128	1042	937	926	888	999
1928												
1929	3325	2469	2521	2703	2522	2191	2020	1506	1174	1240	1088	1471
1930	2467	2453	2444	2461	1923	2290	1746	1702	1347	1789	1804	1534
1931	540	736	444	872	404	619	634	685	813	857	968	974
1932	686	719	640	575	609	732	688	696	686	941	2221	1670
1933	678	749	842	975	938	911	835	685	604	575	752	920
1934												
1935	380	445	563	635	610	462	582	513	572	431	416	532
1936	729	763	841	828	819	632	562	613	426	356	290	300
1937	765	690	740	805	802	652	809	837	767	781	795	821
1938	814	823	778	850	869	814	793	608	726	668	602	586
1939	444	399	403	424	575	679	729	656	811	725	657	833
1940	581	578	614	581	518	513	779	818	801	654	530	534
1941	630	675	643	684	679	647	692	404	734	596	2998	10641
1942												
1943	1175	1202	1238	1280	1113	1188	1097	1113	1283	1248	1043	903
1944	534	617	592	592	586	575	715	644	640	934	1197	1096
1945	1136	1045	1008	900	953	949	945	980	871	877	706	476

DECEMBER

	12	13	14	15	16	17	18	19	20	21	22	23
0	1010	1010	770	830	670	620	620	620	620	620	670	670
0	2600	2600	2430	2430	2770	2770	2770	2770	2770	2770	2600	2600
0	1460	1460	1460	1340	1340	1580	1580	1820	1820	1580	1580	1580
0	930	930	990	1050	1050	1120	1050	1050	1050	1460	1360	1120
0	1060	920	830	1060	955	990	1020	1020	920	890	1080	1200
0	1190	1000	830	695	695	695	747	1040	1080	1100	1120	1190
	865				850			945			945	
0	480	520	600	675	940	940	940	880	820	790	560	520
00	1000	1040	1000	900							1180	1180
00	920	1020	810	650								1050
00	2150	2200	2050	1850	1800	1660	1660	1700	1480	1390	1570	1700
00	1460	1160	990	990	1020	1160	1100	1100	1070	1100	1160	1160
05	1060	1085	970	990	1085	1085	950	870	910	930	850	1010
20	1080	1080	1220	1080	950	824	1020	1080	886	824	824	1080
03	961	731	638	559	559	559				600		
90	784	757	884	765	574	641	854	704	739	946	1102	1157
49	976	1089	976	760	658	763	878	1162	885	992	989	897
17	909	1179	1640	1553	1192	1191	1529	1633	1737	1627	2038	1737
07	723	774	838	947	895	787	717	617	664	712	745	757
73	752	829	966	601	539	588	638	757	903	986	1126	1160
22	1225	1170	1019	905	745	802	894	1097	1134	1117	1042	950
60	1552	1372	1431	1350	1136	978	521	1184	1124	1295	1175	1163
70	655	674	666	527	873	706	655	1010	1118	974	954	790
86	524	702	812	1089	1009	968	848	911	972	963	799	635
72	754	835	837	833	727	775	639	458	434	420	422	425
88	999	1017	915	914	915	1016	940	1031	906	916	904	923
000	1471	1312	1044	591	755	1171	1291	1296	989	1051	815	794
004	1534	1660	1634	1619	1253	1635	1385	1164	971	1087	950	1548
068	974	849	913	839	843	791	591	647	586	599	615	606
221	1670	1818	2649	1613	1827	2297	1692	1250	1271	1838	1047	1076
752	920	893	888	725	671	819	701	715	730	570	493	505
416	532	479	398	377	434	620	620	620	621	762	745	718
290	300	304	306	373	416	650	461	1046	832	851	496	750
795	821	902	994	959	872	836	402	701	886	976	972	943
602	586	688	910	1112	800	788	799	804	862	989	1017	1008
657	833	808	739	611	388	339	350	363	359	550	578	490
530	534	659	553	701	851	822	785	720	742	756	710	755
2998	10641	7374	4097	2965	2697	2301	1926	1760	1389	1226	1161	1291
1043	903	468	589	791	1146	1053	790	984	1010	932	928	752
1197	1096	874	820	699	836	1135	1420	1131	945	891	833	770
706	476	391	299	405	343	604	794	1148	1122	1004	1168	1185

Chart 2K

	22	23	24	25	26	27	28	29	30	31	TOTAL
0	670	670	770	830	950	950	770	815	860	905	
70	2600	2600	2600	2600	2940	3290	3290	2940	2940	2770	
80	1580	1580	1820	1580	1580	1580	1820	1820	1580	1820	
50	1360	1120	1050	1120	1050	1050	920	880	930	990	
90	1080	1200	1430	1350	1200	1130	1130	955	890	1020	
00	1120	1190	1190	1270	1230	1270	1120	1040	685	1000	
	945			752			750			790	
90	560	520	520	580	625	625	560	820	760	675	
	1180	1180	1180	1240	1180	1360	1180	1140	1000	1100	
590	1570	1050	1080	930	930	1050	1120	990	930	755	
100	1160	1700	1660	1660	1750	1570	1390	1310	1390	1570	
		1160	1300	1100	990	990	1040	1100	1100	1160	
930	850	1010	1010	930	950	930	1035	1060	1035	1035	
824	824	1080	950	1080	1150	1020	1020	950	1020	1150	
600					650			826			
946	1102	1157	1079	955	825	728	837	849	676	719	
992	989	897	883	873	679	663	669	679	671	656	
627	2038	1737	2965	2871	2416	3536	5050	6972	6420	4150	
712	745	757	670	660	628	640	637	617	588	595	
986	1126	1160	1199	1016	955	927	998	872	815	741	
117	1042	950	909	890	936	956	982	1074	1359	2331	
295	1175	1163	1220	1106	1109	1194	1191	1127	1177	1067	
974	954	790	804	1052	1085	1172	1246	1361	1017	1136	
963	799	635	608	902	979	879	947	898	1008	776	
420	422	425	421	539	515	507	663	753	975	882	
916	904	923	1016	1026	882	859	765	682	639	607	
051	815	794	906	869	844	840	928	838	911	920	
087	950	1548	1345	1255	1147	1144	1173	1490	1373	1120	
599	615	606	706	645	995	837	964	1043	889	792	23,106
838	1047	1076	1012	971	917	843	732	729	625	704	34,774
570	493	505	552	533	509	760	666	634	613	613	22,054
762	745	718	718	694	726	751	837	750	620	557	18,188
851	496	750	690	1081	929	761	822	780	825	756	20,298
976	972	943	996	998	1106	1241	1215	1121	1110	1322	27,826
89	1017	1008	928	946	897	926	965	813	750	677	25,604
50	578	480	570	648	737	798	865	865	686	743	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
932	928	752	1038	948	866	764	885	985	985	693	30,490
991	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

1941	817	843	852	957	831	879	1140	1215	1100	1102	1244	1435	1469
1942	1196	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

1941	1678	1898	1941	1823	1679	1616	1569	1473	1700	1708	1648	1770	1372	14
1942	873	1003	1035	1138	1018	1122	1054	1177	1115	1308	1403	1593	1652	18
1943	3088	2982	2899	3025	3099	2745	2569	2684	2919	2526	2520	2460	2525	38
1944	872	869	872	887	884	996	864	876	768	1200	1191	1182	1174	12
1945	903	1024	1056	1012	818	794	816	870	968	1016	1035	1076	1426	17
1946	1733	1580	1379	1595	1565	1948	1997	2033	2090	2342	2900	3811	4148	41
1947	1651	1539	1661	1603	1607	1600	1312	1485	1418	1844	2758	2251	2114	200
1948	1087	1173	1121	1096	966	976	973	994	997	978	994	1005	1015	108

NATURAL FLOW OF BOISE RIVER
BEGINNING 1941

3	14	15	16	17	18	19	20	21	22	23	24	25	26	27
JANUARY														
2	926	1076	929	927	878	884	888	890	886	884	917	1030	1215	1172
1	946	946	621	731	1306	866	756	866	748	976	1119	1265	1511	1172
4	1519	1550	1636	1300	1100	1315	2010	2179	3728	4603	4259	3563	3199	2987
84	688	962	934	945	1042	827	824	822	722	730	940	827	828	823
02	1300	1461	1305	1169	1052	1034	1035	704	830	739	663	816	806	737
78	1057	983	866	1214	1246	1157	1111	940	1164	1117	1362	1209	1045	1073
74	1052	788	753	786	733	1073	1245	1132	1276	865	1119	1114	1125	1157
05	866	810	842	940	948	964	827	872	924	1244	1208	1030	906	760

FEBRUARY														
469	1238	1123	1163	1093	994	1041	1151	1069	1093	1369	1529	1776	1535	1284
118	861	997	1179	1011	892	739	753	806	1477	1051	1150	952	922	941
648	1445	1646	1758	1771	1961	1944	2154	2462	2739	3419	3440	3327	2831	2870
773	785	906	1053	867	858	979	842	847	622	916	794	919	798	797
599	3131	2857	2051	1874	1550	1396	1329	1302	1115	1086	1077	1051	836	969
941	961	1074	1366	1281	1232	956	1237	1239	1219	1257	1287	1482	1546	1607
090	2423	2059	1886	1897	1937	2145	1786	1741	1834	1951	2029	1972	1832	1961
670	902	970	981	917	886	1227	1411	1102	1326	1819	1458	1222	1309	1509

MARCH														
1372	1495	1480	1318	1384	1712	1967	1942	1942	1842	1922	1803	1727	1774	2101
1652	1860	1479	1688	1527	1468	1432	1411	1414	1442	1305	1575	1447	1464	1476
2525	3825	3899	3451	3161	2860	2606	2820	2026	2818	2119	2521	3009	3789	5285
1174	1248	1012	681	1196	1442	1446	1399	1366	1122	1135	1463	1179	1149	1154
1426	1746	1707	1520	1403	1519	1304	1172	1532	2260	2813	2856	2541	2242	2530
4148	4131	3566	3217	2843	2526	2803	4144	5164	5371	5061	5103	4335	3767	4216
2114	2004	2490	2946	3095	3940	4387	4397	4613	4661	4948	4541	3963	3837	3541
1015	1087	1060	1126	1145	1137	1121	1086	1063	1001	1117	1133	1421	1342	1344

21	22	23	24	25	26	27	28	29	30	31	TOTAL
890	886	884	917	1030	1215	1172	942	811	808	911	27,130
866	748	976	1119	1265	1511	1172	1323	1489	1388	1281	31,091
2179	3728	4603	4259	3563	3199	2987	2703	2505	2250	2006	76,595
822	722	730	940	827	828	823	733	748	744	752	24,706
704	830	739	663	816	806	737	774	772	684	876	28,135
940	1164	1117	1362	1209	1045	1073	1104	993	952	1085	39,765
1132	1276	865	1119	1114	1125	1157	913	921	986	908	30,181
872	924	1244	1208	1030	906	760	481	545	766	909	32,761
1069	1093	1369	1529	1776	1535	1284	1342				32,684
806	1477	1051	1150	952	922	941	1079				31,581
2462	2739	3419	3440	3327	2831	2870	2759				58,282
847	622	916	794	919	798	797	954	780			26,305
1302	1115	1086	1077	1051	836	969	1056				40,062
1239	1219	1257	1287	1482	1546	1607	1609				32,902
1741	1834	1951	2029	1972	1832	1961	1578				43,639
1102	1326	1819	1458	1222	1309	1509	1340	1203			30,240
1942	1842	1922	1803	1727	1774	2101	2193	2305	2849	3093	56,724
1414	1442	1305	1575	1447	1464	1476	1546	1639	1988	2250	43,902
2026	2818	2119	2521	3009	3789	5285	7156	9555	10692	9936	117,569
1366	1122	1135	1463	1179	1149	1154	904	1053	1094	1369	34,047
1532	2260	2813	2856	2541	2242	2530	2320	2510	2290	2501	49,580
5164	5371	5061	5103	4335	3767	4216	5462	6114	6618	5740	109,302
4613	4661	4948	4541	3963	3837	3541	3553	3479	3709	3491	90,638
1063	1001	1117	1133	1421	1342	1344	1381	1543	2076	2080	36,698

YEAR	1	2	3	4	5	6	7	8	9	10	11	12
1941	2764	3078	3048	3047	3476	3237	2958	2618	2631	2830	3468	3201
1942	2592	2973	3284	3741	4057	3785	3879	4215	4659	5444	6081	7073
1943	8908	10250	14430	14901	13749	13264	14663	16969	21255	18207	16138	16191
1944	1584	1786	2125	2865	2726	3144	2693	2599	2622	2605	2376	3092
1945	2671	2430	2282	2132	2205	1890	2576	2192	2522	2329	2057	2075
1946	6008	4982	4552	4717	4841	5216	6160	6164	6222	5847	5218	5919
1947	4810	4145	4006	3747	3576	3468	3305	3129	2954	2778	2635	2807
1948	1740	2024	2660	2967	2723	2292	2269	1997	1837	2190	2201	2152

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

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

NATURAL FLOW OF BOISE RIVER
BEGINNING 1941

12	13	14	15	16	17	18	19	20	21	22	23	24	25
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APRIL

3201	3339	3509	3396	3665	3394	3243	2963	2670	2387	2370	2452	2699	3128
7073	8215	8731	9411	8204	6527	6620	6098	5858	6528	7779	8562	7355	6099
16191	18504	20265	21625	22310	23229	25040	23312	22450	18721	17930	15208	15482	14783
3092	3326	2841	2721	2302	2377	2310	2015	2274	2185	2348	2613	2821	3624
2075	2045	1985	2296	2082	2706	2855	3445	4460	6135	7701	6650	6101	5125
5919	7596	10219	12352	13581	14780	17389	18812	18660	15103	13559	11548	11850	13257
2807	3063	3230	4470	5633	6148	6379	6440	6284	6171	6318	6123	6002	5480
2152	2155	2437	2518	3724	5472	10555	8536	6896	6096	9614	8938	6732	6461

MAY

57	5127	7386	8408	7496	6193	5543	5536	5708	5101	4809	4875	5676	6643	7222	718
77	4364	4144	4097	4044	4151	4093	3815	3906	3693	4044	4664	6595	9166	8745	1060
10	9272	8431	8266	7851	7404	7311	7009	6906	7316	8041	8851	10237	12494	14458	1452
34	5178	5509	6077	7059	7632	7270	6542	5688	5076	4361	4248	4142	3824	3550	340
89	9101	8230	8448	7555	6677	7216	7208	6601	5903	5382	5033	4993	5600	6638	637
82	10286	9306	9563	9170	9087	9507	10011	10750	10746	10134	9995	10297	9414	8760	886
91	9953	8473	7965	7504	7733	7063	7056	7143	6705	7403	7922	7782	7407	7316	754
01	4613	5081	5491	6409	7046	8026	10024	11750	12004	11158	9708	9347	9066	9469	1178

JUNE

826	4982	5120	5417	5474	5217	4718	4390	4612	4450	4067	3541	3436	3300	3016	3077
497	7225	6400	6171	6105	6822	6402	5525	5420	5117	4791	4453	4427	4650	4756	4886
666	10493	11513	11171	10305	10063	9048	9978	11871	12584	11249	10070	10859	10635	9768	9435
477	4254	4137	4007	4063	4095	4112	3762	3506	3582	3888	3933	3924	3606	3689	3732
485	6911	6696	6727	6164	5678	5343	5416	5806	6460	7091	7389	7317	7137	6538	6633
7573	6965	6209	6199	6482	6365	5913	5539	5244	5054	5103	5241	4827	5035	4566	3994
5991	5421	4395	4743	4539	4785	4962	5051	5334	5103	4813	4215	3548	3663	3798	3631
0190	9669	9047	8398	7682	7075	6428	5872	5495	4918	5009	5523	4938	4634	4327	4182

21	22	23	24	25	26	27	28	29	30	31	TOTAL
87	2370	2452	2699	3128	3201	3316	3543	4090	4429		94,150
28	7779	8562	7355	6099	5718	5033	4620	3317	4353		170,811
21	17930	15208	15482	14783	13616	12110	11161	14952	13643		503,266
85	2348	2613	2821	3624	3471	3330	3282	3712	4231		82,000
35	7701	6650	6101	5125	4326	3792	2729	3768	4622		101,184
103	13559	11548	11850	13257	15441	16663	15853	14226	13167		319,902
171	6318	6123	6002	5480	5356	5760	6191	6991	7300		144,699
096	9614	8938	6732	6461	5890	5108	4452	4411	5165		132,212

4809	4875	5676	6643	7222	7181	8861	8155	6497	5834	5620	182,668
4044	4664	6595	9166	8745	10608	10690	8987	7899	6931	6560	162,838
8041	8851	10237	12494	14458	14525	16433	15392	15465	16213	16835	361,402
4361	4248	4142	3824	3550	3409	3269	3789	3721	4432	5576	151,604
5382	5033	4993	5600	6638	6372	6538	6147	6452	6932	7120	236,573
0134	9995	10297	9414	8760	8863	10914	10528	10264	9346	7956	325,830
7403	7922	7782	7407	7316	7548	7862	8080	7846	6708	6497	272,882
1158	9708	9347	9066	9469	11787	12502	14185	15260	13357	11342	252,896

4067	3541	3436	3300	3016	3077	2668	2626	2656	2468		133,388
4791	4453	4427	4650	4756	4886	4527	4024	3862	3701		181,187
1249	10070	10859	10635	9768	9435	9483	9715	9920	9755		313,877
3888	3933	3924	3606	3689	3732	3741	3684	3228	3004		123,863
7091	7389	7317	7137	6538	6633	5948	5117	4311	3963		202,998
5103	5241	4827	5035	4566	3994	3917	3468	3540	3407		189,412
4813	4215	3548	3663	3798	3631	3738	3439	2971	2842		148,619
5009	5523	4938	4634	4327	4182	4086	3875	3657	3476		229,853

YEAR	1	2	3	4	5	6	7	8	9	10	11	12	1
1941	2322	2243	2039	1927	1952	1710	1674	1575	1513	1437	1337	1296	1211
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	3533	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

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

1941	658	634	632	650	640	655	646	627	643	655	653	642	669	6
1942	617	631	599	595	588	558	553	521	515	500	530	554	592	6
1943	1173	1175	1155	1136	1100	1076	1048	1022	1013	957	922	914	882	9
1944	476	473	489	551	574	627	650	640	645	603	568	557	517	5
1945	610	613	606	604	569	586	584	577	609	568	575	611	579	5
1946	804	741	722	720	681	710	724	794	869	865	824	778	717	69
1947	583	614	596	570	605	589	585	630	617	645	652	640	701	70
1948	620	612	606	610	616	620	616	620	620	559	560	570	630	60

NATURAL FLOW OF BOISE RIVER
BEGINNING 1941

11	12	13	14	15	16	17	18	19	20	21	22	23	24
JULY													
1337	1296	1213	1239	1233	1251	1217	1219	1147	1113	1090	1041	994	966
2424	2238	2108	2075	1899	1811	1790	1696	1591	1530	1473	1450	1417	1356
7292	6508	5908	5338	5040	5053	4694	4405	4363	4274	4063	4189	4169	4086
1857	1698	1642	1590	1519	1482	1511	1455	1401	1317	1284	1347	1321	1293
2523	2409	2555	2355	2179	2136	2081	1791	1789	1709	1623	1644	1504	1535
2385	2246	1949	1915	1811	1658	1687	1744	1645	1532	1456	1553	1504	1382
2258	2132	1840	1871	1856	1816	1783	1801	1678	1494	1436	1402	1356	1253
1859	1818	1814	1736	1500	1565	1577	1497	1354	1350	1365	1348	1296	1181

AUGUST													
682	1339	1262	1140	899	839	852	890	1240	962	832	879	800	714
873	784	756	742	745	729	674	688	648	611	596	625	597	623
1656	1539	1630	1644	1636	1618	1594	1521	1514	1457	1400	1366	1315	1304
770	767	687	650	649	638	631	634	626	616	581	542	536	547
970	929	912	882	814	799	769	750	759	726	727	710	714	720
934	901	896	854	844	847	814	794	753	780	735	768	802	804
721	714	644	654	663	672	637	619	613	589	579	586	569	555
848	859	792	745	734	737	753	742	723	679	690	670	679	684

SEPTEMBER													
653	642	669	698	742	747	740	727	686	699	710	726	726	728
530	554	592	624	632	638	623	623	601	620	635	652	666	604
922	914	882	917	926	889	862	817	783	787	758	828	858	891
568	557	517	509	487	455	477	474	547	606	663	707	689	653
575	611	579	594	563	557	578	589	624	630	644	691	829	551
824	778	717	695	654	661	670	725	793	857	893	893	889	827
652	640	701	705	686	656	637	591	636	627	606	607	615	617
560	570	630	603	592	581	525	507	499	474	508	483	504	562

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

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

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

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

1941	781	821	822	930	1393	1076	1022	894	905	852	802	903	780
1942	775	901	890	915	897	781	803	921	939	1113	725	747	707
1943	1158	1212	1079	1106	1917	2081	1526	1332	1175	853	1740	1240	1156
1944	952	1196	917	1007	1406	1314	1050	900	847	1011	1148	1039	928
1945	902	1104	715	807	917	860	812	865	785	740	787	1072	819
1946	1031	1033	929	844	934	947	1063	971	983	972	1028	937	844
1947	1073	1003	1003	992	911	999	970	1097	1051	961	949	985	859
1948	813	1214	1689	1177	1010	947	883	771	765	779	812	817	856

1941	943	947	1661	4605	3137	2036	1837	1555	1400	1485	1458	1237	1309
1942	1854	1741	1385	1159	1017	1168	1147	1262	1194	1217	1312	1212	1225
1943	939	1182	1062	1062	977	1055	965	803	1048	807	656	746	746
1944	805	808	793	686	667	728	736	746	638	407	342	352	396
1945	972	718	616	866	1056	1008	1091	933	819	456	695	856	664
1946	1395	1386	1266	1300	1144	1450	1479	1417	1194	1303	1409	1941	3056
1947	1239	1165	1100	920	1078	1117	954	951	908	957	622	838	709
1948	790	846	881	857	849	841	883	882	874	870	930	952	988

NATURAL FLOW OF BOISE RIVER
BEGINNING 1941

12	13	14	15	16	17	18	19	20	21	22	23	24	25
OCTOBER													
676	783	804	698	802	2533	1954	1566	1420	1187	922	936	850	694
605	740	744	844	563	683	718	692	895	720	764	720	760	651
1228	940	1122	939	927	1006	876	1012	883	1121	1084	1085	1054	1188
635	617	611	652	642	821	807	673	632	598	664	671	674	693
773	696	542	865	746	689	777	846	792	814	838	768	797	776
991	931	898	932	865	995	910	995	925	936	1134	1256	1407	1281
947	941	874	777	822	2138	1453	1233	1063	981	1002	977	947	915
742	742	750	748	751	778	783	780	781	782	722	738	741	735

NOVEMBER

903	780	894	1387	2533	1954	1566	1420	1187	922	936	850	694	863
747	707	842	944	1562	1158	1186	1150	1007	857	703	858	1128	1793
1240	1156	1206	1133	1130	1128	967	1087	1141	1106	985	1056	1056	968
1039	928	975	860	870	745	682	577	656	681	731	722	699	802
1072	819	840	941	957	992	888	936	976	839	675	580	875	1004
937	844	850	944	936	856	947	1115	2186	1660	1484	1328	1706	1608
985	859	985	970	993	1022	928	1024	865	754	883	655	771	1011
817	856	912	932	981	916	883	854	838	818	790	808	803	813

DECEMBER

1237	1309	1406	1372	1694	1580	1838	1871	2130	2240	2199	1896	1673	1657
1212	1225	1116	1111	1041	1189	1052	920	942	994	1293	1140	1395	1644
746	746	746	770	748	759	939	974	1002	1003	1186	1003	943	1056
352	396	406	464	505	765	610	640	866	1052	818	1137	906	839
856	664	571	568	707	645	1040	833	691	898	893	1243	1173	1130
1941	3056	4053	4709	3950	2413	1771	1870	1845	1792	1550	1306	1384	1439
838	709	995	922	901	811	959	991	844	951	798	792	974	746
952	988	999	980	942	892	767	720	739	713	673	702	697	664

20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
420	1187	922	936	850	694	863	958	909	675	1000	871	31,600
895	720	764	720	760	651	626	702	792	737	835	699	21,282
883	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
1187	922	936	850	694	863	958	909	675	1000	871		31,600
1007	857	703	858	1128	1793	1534	1246	1442	1412	2098		32,034
1141	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
2186	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
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

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

Chart 3

JAN	FEB	MARCH	APRIL	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC
1157	1132	1559	3680	6829	8324	4350	1243	773	793	906	1195
1117	1129	1592	3831	6856	8290	4238	1197	777	809	906	1210
1121	1141	1664	3983	6963	8336	4084	1166	766	808	983	1169
1115	1155	1660	4096	7227	8211	3910	1146	751	821	906	1153
1099	1253	1726	4139	7421	8077	3736	1110	747	831	898	1094
1086	1255	1800	4198	7675	8026	3526	1075	746	831	938	1093
1109	1231	1828	4248	7927	8145	3400	1059	734	852	950	1063
1069	1355	1960	4462	8211	8220	3294	1044	727	880	939	1027
1037	1323	2077	4573	8362	8254	5688	1011	729	882	952	976
1037	1265	1976	5132	8534	8234	2985	962	741	874	1006	1001
1018	1229	2004	5384	8274	7999	2820	956	760	873	1029	1038
1017	1188	2104	5662	8159	8031	2768	946	778	858	989	1047
986	1198	2135	6103	8105	8042	2613	923	772	867	956	1053
1029	1173	2147	6355	8190	8013	2506	910	774	860	974	1058
1118	1173	2236	6467	8342	7815	2379	903	783	895	948	976
1165	1249	2418	6640	8445	7783	2247	891	790	880	1072	947
1138	1292	2421	6666	8441	7602	2110	879	783	867	984	1004
1134	1284	2826	6626	8551	7364	2005	852	773	887	1029	964
1182	1288	2890	6580	8351	7179	1917	849	766	893	1007	1032
1211	111	3094	6061	8177	6919	1812	841	771	889	1074	1004
1248	1353	3138	6103	8058	6631	1734	819	762	902	1165	1038
1205	1411	3205	6277	8078	6320	1647	813	750	883	1302	1015
1251	1400	3263	6382	8085	6013	1621	807	758	916	1485	1029
1155	1444	3227	6585	8172	5756	1567	792	770	910	1356	1081
1236	1402	3313	6678	8232	5447	1573	773	778	895	1271	1074
1198	1386	3266	7074	8458	5264	1475	769	775	893	1214	1056
1164	1472	3280	7260	8304	5449	1421	759	782	896	1173	1111
1130	1509	3297	7252	8250	4938	1376	756	781	901	1086	1154
1120	1259	3545	7045	8147	4786	1325	753	783	918	1082	1186
1091	3634	7668	8189	4575	1308	764	784	893	1130	1114	
1125	3636		8356			1257	757		914		1102
16128	36060	78921	173210	249363	214043	78692	28525	22964	27071	31710	33064
12258	72120	157842	346420	498726	428086	157384	57050	45928	54142	63420	66128

In acre feet for average year, - 2019502

TOTAL MONTH

FOR IRRIGATION

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	50810	57240	101100	337920
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	673380
1907-08	57890	55978	63300	67230	63282	141130	382540
1908-09	68440	59280	58000	138160	110680	232840	472120
1909-10	63140	200560	124760	79900	66600	566900	609980
1910-11	63210	73780	76820	63010	76340	159570	323960
1911-12	66570	66700	63520	78420	76120	99580	342620
1912-13	66960	67820	60680	53800	51400	101800	374960
1913-14	63524	80180	61380	71196	74968	216040	469040
1914-15	69680	58368	44800	59580	59726	94782	176564
1915-16	42410	45626	53346	49930	63262	197486	555062
1916-17	59106	54016	53702	47628	47694	61740	267082
1917-18	46004	49506	128592	113818	77754	181542	346040
1918-19	64492	56578	49118	50532	52844	114916	395854
1919-20	47968	56548	52610	66528	66774	89234	189044
1920-21	59966	75678	67106	112422	94098	271472	394484
1921-22	55492	39088	44979	60982	53180	113692	319642
1922-23	52172	48886	52872	62100	50860	92700	273726
1923-24	61592	52930	51286	48954	72446	63550	136450
1924-25	39218	53862	42912	48416	129386	192378	501862
1925-26	58400	51394	63522	48414	64264	140448	232672
1926-27	34882	67640	84790	63200	104630	188084	378928
1927-28	69014	144162	97842	90008	79354	272846	316812
1928-29	49852	50792	46212	45514	49720	101904	179094
1929-30	39356	36848	69543	44774	64388	103616	274178
1930-31	54512	45418	44108	44818	45298	91246	177172
1931-32	31424	31224	36376	38612	36756	135826	336006
1932-33	39142	56478	40596	43926	41136	64474	239342
1933-34	41276	47684	55652	79680	79948	151896	249648
1934-35	37058	49444	51208	52256	54336	83150	299458
1935-36	33616	38248	37352	44612	47356	100060	577594
1936-37	39772	36600	41556	37568	41728	89870	207358
1937-38	36266	49828	115760	67492	71566	191026	505100
1938-39	60626	67394	60980	52236	47170	164294	328918
1939-40	40474	38998	49268	53858	75724	201512	355842
1940-41	53168	59764	56634	54260	65368	113448	188300
1941-42	48552	63200	106838	62182	62162	87804	341622
1942-43	42564	64068	81782	153190	116564	235138	1004522
1943-44	61802	70704	55768	49412			
1944-45							

1894-95	54700(8)	54000	52100	50980	73440	67660	157560	295040
1895-96	57040	54980	50980	64600	50520	55240	87960	476000
1896-97	54220	62300(3)	64600	61500(7)	34100	67200	119280	251900
1897-98	63440	64100	151640	160600	79640	123900	425740	380020
1898-99	53262	56240	97000	125420	96440	305220		
1899-00	83664	90000						
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(2)	262140	671840	
1904-05	58980	54000	54000(7)	50400(2)	56700(2)	101900	176200	
1905-06	42980	41010	40410	50810	57240	101100	337920	
1906-07	42350	73380	74000(6)	125400(3)	155000(4)	346120	673380	
1907-08	57890	55978	63300	67230	63282	141130	382540	
1908-09	68440	59280	58000	138160	110680	232840	472120	
1909-10	63140	200560	124760	79900	66600	566900	609980	
1910-11	63210	73780	76820	63010	76340	159570	323960	
1911-12	66570	66700	63520	78420	76120	99580	342620	
1912-13	66960	67820	60680	53800	51400	101800	374960	
1913-14	63524	80180	61380	71196	74968	216040	489040	
1914-15	69680	58368	44800	59580	59726	94782	176564	
1915-16	42410	45626	53346	49930	63262	197486	555062	
1916-17	59106	54016	53702	47628	47694	61740	267082	
1917-18	46004	49506	128592	113818	77754	181542	346040	
1918-19	64492	56578	49118	50532	52844	114916	395854	
1919-20	47968	56548	52610	66528	66774	89234	189044	
1920-21	59966	75678	67106	112422	94098	271472	394484	
1921-22	55492	39088	44979	60982	53180	113692	319642	
1922-23	52172	48886	52872	62100	50860	92700	273726	
1923-24	61592	52930	51286	48954	72446	63550	136450	
1924-25	39218	53862	42912	48416	129386	192378	501862	
1925-26	58400	52394	63522	48414	64264	140448	232672	
1926-27	34882	67640	84790	63200	104630	188084	378928	
1927-28	69014	144162	97842	90008	79354	272846	316812	
1928-29	49852	50792	46212	45514	49720	101904	179094	
1929-30	39356	36848	69543	44774	64388	103616	274178	
1930-31	54512	45418	44108	44818	45298	91246	177172	
1931-32	31424	31224	36376	38612	36756	135826	336006	
1932-33	39142	56478	40596	43926	41136	64474	239342	
1933-34	41276	47684	55652	79680	79948	151896	249648	
1934-35	37058	49444	51208	52256	54336	83150	299458	
1935-36	33616	38248	37352	44612	47356	100060	577594	
1936-37	39772	36600	41556	37568	41728	89870	207358	
1937-38	36266	49828	115760	67492	71566	191026	505100	
1938-39	60626	67394	60980	52236	47170	164294	328918	
1939-40	40474	38998	49268	53858	75724	201512	355842	
1940-41	53168	59764	56634	54260	65368	113448	188300	
1941-42	48552	63200	106838	62182	62162	87804	341622	
1942-43	42564	64068	81782	153190	116564	235138	1006532	
1943-44	61802	70704	55768	49412	52610	68094	164000	
1944-45	40828	52198	42902	56270	80144	99160	202368	
1945-46	45822	53670	74712	79530	65804	218604	639804	
1946-47	67394	72214	109392	60362	87278	181276	289398	
1947-48	56244	57582	55516	65522	60480	73396	264424	

TOTAL MONTHLY FLOW OF BOISE RIVER - IN ACRE FEET

FOR IRRIGATION YEARS BEGINNING 1894 - 1895.

February	March	April	May	June	July	August	September	
68280	103180	243140	395220	225700	152380	63620	58000	1
67660	157560	295040	555380	1464280	385520	81960	57500	3
55240	87960	476000(5)	508000(6)	415000(5)	143300	67250	62520	2
67200	119280	251900	320280	299360	116848	45708	39168	1
79640	113900	425740	608020	731400	356160	109940	68900	2
96440	305220	380020	510720	300640	84156	53496	51196	2
98340	179320	305940	626460	287420	116400	52222	49944	1
90440	88920	211470	353460	287160	106720	49496	40914	1
63570	143360	448220	520620	601880	147580	53000	46344	2
108000(1)	262140	671840	828600	521060	201920	71972	43030	3
56700(2)	101900	176200	229820	247660	78860	39870	34660	1
57240	101100	337920	428100	346980	162900	52410	41090	1
155000(4)	346120	673380	683520	534560	335640	101600	62066	3
63282	141130	382540	370360	324880	198500	64920	55524	1
110680	232840	472120	605240	655220	226800	63690	57220	2
66600	566900	609980	523560	310360	110040	53970	56390	2
76340	159570	323960	549120	740860	233040	74906	59728	2
76120	99580	342620	684180	677560	173980	83380	66080	2
51400	101800	374960	573740	413420	158660	82964	54290	2
74968	216040	469040	553660	307700	124130	58742	52654	2
59726	94782	176564	274130	191900	83978	40926	39672	1
63262	197486	555062	563720	594764	293818	80102	53680	2
47694	61740	267082	654206	643322	260216	65224	43950	2
77754	181542	346040	409954	461268	112120	56300	49922	2
52844	114916	395854	509192	240872	69736	36404	34262	1
66774	89234	189044	449730	333468	117328	40586	39034	1
94098	271472	394484	824032	718728	175390	63068	48784	2
53180	113692	319642	552674	659854	148066	65210	47974	2
50860	92700	273726	454010	376208	192504	67552	42946	1
72446	63550	136450	243200	76792	35296	24426	25320	89
129386	192378	501862	700486	367370	152598	60730	47302	2
64264	140448	232672	247704	705072	41132	30872	29480	1
104630	188084	378928	665294	725602	233700	74786	55734	2
79354	272846	316812	852194	305656	118292	51462	41304	2
47720	101904	179094	359418	285896	98288	36822	32488	1
64388	103616	274178	295246	257382	79234	43256	34720	1
45298	91246	177172	251538	110862	34670	23156	24046	946
36756	135826	336006	564176	458224	154298	52212	41746	1
41136	64474	239342	341610	538198	99610	40282	35556	1
79948	151896	249648	229216	86240	37252	22622	24966	1
54336	83150	299458	428528	363262	97334	39022	30052	1
47356	160060	577594	625906	319284	82558	43272	40936	1
41728	89870	207358	381192	178996	60820	25996	25958	1
11566	191626	505100	711314	558138	201292	71190	46910	2
27170	164894	328918	341836	136300	60358	28454	30436	1
75724	201512	355842	434480	227258	64468	31480	38986	1
65368	113448	188300	365336	266776	83332	53206	41318	1
62162	67804	341622	325676	362374	137452	46974	35340	1
116564	235138	1006532	722804	627754	359598	103756	56098	3
52616	68094	164000	303208	247726	106382	43684	34768	1
80144	99260	202368	473146	405996	139808	51316	32146	1
68804	318604	638804	671160	57224				

	67660	157560	295040	555380	1464280	385520	81960	62520
	55240	87960	476000(5)	508000(6)	415000(5)	143300	67250	39168
	67200	119280	251900	320280	299360	116848	45708	68900
	79640	123900	425740	608020	731400	356160	109940	51196
	96440	305220	380020	510720	300640	84156	53496	
	98340	179320	305940	626460	287420	116400	52222	49944
	90440	88920	211470	353460	287160	106720	49496	40914
	63570	143360	448220	520620	601880	147580	53000	46344
1)	108000(1)	262140	671840	828600	521060	201920	71972	43830
2)	56700(2)	101900	176200	229820	247660	78860	39870	34660
	57240	101100	337920	428100	346980	162900	52410	41090
3)	155000(4)	346120	673380	683520	534560	335640	101600	62066
	63282	141130	382540	370360	324880	198500	64920	55524
	110680	232840	472120	605240	655220	226800	63690	57220
	66600	566900	609980	513560	310360	110040	55970	56390
	76340	159570	323960	549120	740860	233040	74906	59728
	76120	99580	342620	684180	677560	173980	83380	66080
	51400	101800	374960	573740	413420	158660	82964	54290
	74968	216040	469040	583660	307700	124130	58742	52654
	59726	94782	176564	274130	191900	83978	40926	39672
	63262	197486	555062	563720	594764	293818	80102	53680
	47694	61740	267082	654106	643322	260216	65224	43950
	77754	181542	346040	409954	461268	112120	56300	49922
	52844	114916	395854	509192	240872	69736	36404	34262
	66774	89234	189044	449730	333468	117328	40586	39034
	94098	271472	394484	824032	718728	175390	63068	48784
	53180	113692	319642	552674	659854	148066	65210	47974
	50860	92700	273726	454010	376208	192504	67552	42946
	72446	63550	136450	243200	76792	35296	24426	25320
	129386	192378	501862	700486	367370	152598	60730	47302
	64264	140448	232672	247704	105072	41132	30872	29480
	104630	188084	378928	665294	725602	233700	74786	55734
	79354	272846	316812	852194	305656	118292	51462	41304
	49720	101904	179094	359418	285896	98288	36822	32488
	64388	103616	274178	295246	257382	79234	43256	34720
	45298	91246	177172	251538	110862	34670	23156	24046
	36756	135826	336006	564176	458224	154298	52212	41746
	41136	64474	239342	341610	538198	99610	40282	35556
	79948	151896	249648	229216	86240	37252	22622	24966
	54336	83150	299458	428528	363262	97334	39022	30052
	47356	100060	577594	625906	319284	82558	43272	40936
	41728	89870	207358	381192	178996	60820	25996	25958
	71566	191026	505100	711314	558138	201292	71190	46910
	47170	164294	328918	341836	136300	60358	28454	30436
	75724	201512	355842	434480	227258	64468	31480	38986
	65368	113448	188300	365336	266776	83332	53206	41318
	62162	87804	341622	325676	362374	137452	46974	35340
	116564	235138	1006532	722804	627754	359598	103756	56098
	52610	68094	164000	303208	247726	106382	43684	34768
	80144	99260	202368	473146	405996	139808	51316	39146
	65804	218604	639804	651660	378824	137194	58374	45934
	87278	181276	289398	545764	297238	114094	43050	37208
	60480	73396	264424	505792	459706	53489	23529	17873

FLOW OF BOISE RIVER - IN ACRE FEET

YEARS BEGINNING 1894 - 1895.

	May	June	July	August	September	TOTAL	
	395220	225700	152380	63620	58000	1,559,520	
	555380	1464280	385520	81960	57500	3,301,340	
(1)	508000(6)	415000(5)	143300	67250	62520	2,045,910	(1) Mean of 4 High Years.
	320280	299360	116848	45708	39168	1,482,884	(2) Substituted from 1906.
	608020	731400	356160	109940	68900	2,915,442	(3) Substituted from 1900.
	510720	300640	84156	53496	51196	2,177,972	(4) Missing Days substituted from 1900.
	626460	287420	116400	52222	49944	1,985,996	(5) Missing Days substituted from 21 year mean.
	353460	287160	106720	49496	40914	1,478,636	(6) Missing months substituted from 21 year mean.
	520620	601880	147580	53000	46344	2,269,936	(7) Interpolated
	828600	521060	201920	71972	43830	3,017,216	(8) Average of 5 short water years.
	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	705072	41132	30872	29480	1,113,374	
	663294	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	1,342,571	
	251538	110862	34670	23156	24046	946,844	
	564176	458224	154298	52212	41746	1,916,880	
	341610	538198	99610	40282	35556	1,580,350	
	229216	86240	37252	22622	24966	1,106,080	
	428528	363262	97334	39022	30052	1,585,108	
	625906	319284	82558	43272	40936	1,990,794	
	381192	178996	60820	25996	25958	1,167,414	
	711314	558138	201292	71190	46910	2,625,882	
	341836	136300	60358	28454	30436	1,379,002	
	434480	227258	64468	31480	38986	1,612,348	
	365336	266776	83332	53206	41318	1,400,910	
	325676	362374	137452	46974	35340	1,680,172	
	722804	627754	359598	103756	56098	3,569,848	
	303208	247726	106382	43684	34768	1,258,158	
	473146	405996	139808	51316	39146	1,683,282	
	651660	378824	137194	58374	45934	2,449,932	
	39804	114094	114094	43050	37208	1,904,668	

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
608720	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
225820	247660	78860	39810	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
513740	413420	158640	82964	54290	2,060,494
583660	307700	124130	58742	52654	2,133,214
274130	191900	83978	40926	39672	1,194,106
563720	594764	293818	80102	53680	2,593,206
654106	643322	260216	65224	43950	2,257,786
409954	461268	112120	56300	49922	2,032,820
509192	240872	69736	36404	34262	1,674,800
449730	333468	117328	40586	39034	1,548,852
824032	718728	175390	63068	48784	2,905,228
552674	659854	148066	65210	47974	2,160,833
454010	376208	192504	67552	42946	1,766,536
243200	76792	35296	24426	25320	892,242
700486	367370	152598	60730	47302	2,336,520
247704	705072	41132	30872	29480	1,113,374
665294	725602	233700	74786	55734	2,677,270
852194	305656	118292	51462	41304	2,438,946
309418	285896	98288	36822	32488	1,336,000
205246	257382	79234	43256	34720	1,342,541
201538	110862	34670	23156	24046	946,844
864376	458224	154298	52212	41746	1,916,880
343610	538398	99610	40282	35556	1,580,350
228216	86240	37252	22622	24966	1,106,080
428628	363262	97334	39022	30052	1,585,108
625906	319284	82558	43272	40936	1,990,794
383392	178996	60820	25996	25958	1,167,414
711314	558138	201292	71190	46910	2,625,882
341836	136300	60358	28454	30436	1,379,002
434480	227258	64468	31480	38986	1,612,348
365336	286716	83332	53206	41318	1,400,910
225676	362374	157492	46974	35340	1,680,172
722804	627754	359598	103756	56098	3,569,848
303208	247726	106382	43684	34768	1,258,158
473146	405996	139808	51316	39146	1,683,282
691660	371824	137194	58374	45934	2,449,932
945764	297238	114094	43090	37208	1,904,668
509792	459706	53689	23529	17873	1,693,553

- (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.

No.	Name of Canal	1	2	3	4	5	6	7	8	9
1.	New York Canal (MC #2)	1104	1200	1352	1139	730	821	987	1041	375
2.	Penitentiary	0	0	0	0	0	0	0	0	0
3.	Pubb (South Boise)	0	0	0	0	0	0	0	0	0
4.	Ridentough	0	0	0	0	0	0	0	0	0
5.	Settlers	0	0	0	0	0	0	0	0	0
6.	Thurman Mill	0	0	0	0	0	0	0	0	0
7.	Cruzen (Consumers)	0	0	0	0	0	0	0	0	0
8.	Boise City Canal	0	0	0	0	0	0	0	0	0
9.	Farmers Union & B. V.	0	0	0	0	0	0	0	0	3
10.	New Union Ditch Co.	0	0	0	0	0	0	0	0	0
11.	New Dry Creek	0	0	0	0	0	0	0	0	0
12.	Ballantine	0	0	0	0	0	0	0	0	0
13.	x Middleton Canals	0	0	0	0	0	0	0	0	0
14.	Little Pioneer	0	0	0	0	0	0	0	0	0
15.	Canyon County	0	0	0	0	0	0	0	0	0
16.	x Eagle Island Canals	0	0	0	0	0	0	0	0	0
17.	Phyllis	0	0	0	0	0	0	0	0	0
18.	Eureka #1	0	0	0	12	12	12	12	12	38
19.	Caldwell High Line	0	0	0	0	0	0	0	0	0
20.	Farmers Coop.	0	0	0	0	0	0	0	0	0
21.	Campbell	0	0	0	0	0	0	0	0	0
22.	Siebenberg	0	0	0	0	0	0	0	0	0
23.	Riverside #2	0	0	0	0	0	0	0	0	0
24.	Pioneer Dixie	0	0	0	0	0	0	0	0	0
25.	Eureka #2	0	0	0	0	0	0	0	0	0
26.	Upper Center Point	0	0	0	0	0	0	0	0	0
27.	Lower Center Point	0	0	0	0	0	0	0	0	0
28.	x Miscellaneous	0	0	0	0	0	0	0	0	0
	Total Canal Diversions	1104	1200	1352	1151	742	833	999	1053	416
29.	River at Netus	551	540	540	518	477	468	468	458	463
	Totals	1655	1740	1892	1669	1219	1301	1467	1511	879
										903

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

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

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

DISCHARGE IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1948, INCLUDING STORAGE

APRIL

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1041	375	324	336	612	655	1013	1058	753	715	731	1017	1104	1353	1566
0	0	0	0	0	0	0	0	0	0	0	2	2	2	2
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	19	27	27	27	27	35	39
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	3	3	3	3	3	3	3	3	3	3	4	4	4	4
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	8	8
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	71	75
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	38	42	42	42	53	74	76	112	112	132	170	170	200	217
0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	91	91	91	99	91	126	171	194
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	10	10	10	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1053	416	369	381	657	716	1090	1228	976	948	992	1321	1443	1854	2126
458	463	534	596	529	325	181	227	298	425	972	718	199	161	464
1511	879	903	977	1186	1041	1271	1455	1276	1373	1964	2039	1642	2035	2592

Bill Ditch Co.

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

Jacobs or Julia Davis

	19	20	21	22	23	24	25	26	27	28	29	30	Total
1	1017	1104	1353	1566	1810	1777	1939	1867	1795	1800	1882	2190	35046
0	2	2	2	2	2	3	3	3	4	4	4	4	35
0	0	0	0	0	0	0	0	8	8	8	8	8	40
0	0	0	0	0	0	0	0	0	226	270	305	323	1124
17	27	27	35	39	39	39	39	39	39	63	59	59	577
0	0	0	0	0	0	0	0	16	20	29	29	28	122
3	4	4	4	4	4	4	4	4	4	4	4	4	78
0	0	0	0	0	0	0	0	10	10	11	11	12	54
0	0	0	0	0	0	0	0	0	0	83	103	123	309
0	0	0	0	0	0	0	0	9	9	9	9	10	46
0	0	0	8	8	8	8	8	8	10	11	14	17	100
0	0	0	0	0	0	0	0	8	8	8	8	9	41
0	0	0	71	79	81	79	75	101	98	119	137	133	973
0	0	0	0	0	0	0	0	12	16	20	20	20	88
0	0	0	0	0	0	0	0	10	12	16	24	34	96
0	0	0	0	0	0	0	0	0	10	14	18	21	63
32	170	170	200	217	245	245	245	255	263	280	301	311	3690
0	0	0	0	7	7	7	7	7	7	7	7	7	63
0	0	0	0	0	0	0	0	16	16	18	19	20	89
99	91	126	171	194	216	216	238	262	257	286	307	307	3043
0	0	0	0	0	0	0	0	0	0	8	8	8	24
0	0	0	0	0	0	0	0	0	6	6	6	6	24
0	0	0	0	0	0	0	0	0	50	63	76	87	276
0	10	10	10	12	12	12	13	13	15	15	17	17	156
0	0	0	0	0	0	0	0	0	40	45	50	55	190
0	0	0	0	0	0	0	0	0	0	6	7	8	21
0	0	0	0	0	0	0	0	0	0	0	6	6	12
0	0	0	0	0	0	0	0	0	8	10	12	14	44
992	1321	1443	1854	2128	2424	2390	2571	2648	2931	3213	3451	3841	46424
972	718	199	161	464	1850	1750	1050	2710	2820	2050	1520	1430	25312
964	2039	1642	2035	2592	4274	4140	3621	5358	5751	5263	4971	5271	71736

A Seven Suckers

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1.	New York Canal (MC #2)	2363	2384	2389	2120	1910	1910	2080	2316	2467	2467
2.	Penitentiary	4	4	4	4	4	0	0	0	0	4
3.	Bubb (South Boise)	8	8	8	8	8	8	8	7	7	7
4.	Ridenbaugh	287	305	379	149	365	383	400	398	396	400
5.	Settlers	65	65	71	77	78	81	112	120	130	137
6.	Thurman Mill	28	28	27	27	27	26	26	26	25	25
7.	Cruzen (Consumers)	5	5	5	6	6	6	7	7	7	8
8.	Boise City Canal	12	12	13	13	14	14	15	15	15	16
9.	Farmers Union & B. V.	123	123	124	125	126	131	136	142	142	147
10.	New Union Ditch Co.	10	10	10	10	10	11	11	11	11	11
11.	New Dry Creek	19	21	24	26	29	30	33	38	43	47
12.	Ballantine	9	9	10	10	11	13	14	15	16	17
13.	x Middleton Canals	132	125	124	123	119	118	114	128	121	125
14.	Little Pioneer	20	20	21	21	21	21	21	21	22	22
15.	Canyon County	46	54	60	65	70	68	66	64	63	61
16.	x Eagle Island Canals	24	27	30	34	38	41	44	47	50	52
17.	Phyllis	310	300	318	320	340	342	352	356	360	362
18.	Eureka #1	10	10	10	10	10	10	10	10	10	10
19.	Caldwell High Line	22	24	27	28	29	32	33	37	38	39
20.	Farmers Coop.	307	286	286	262	262	262	262	262	265	265
21.	Campbell	9	9	9	10	10	10	11	11	12	12
22.	Siebenberg	8	8	8	8	8	8	8	8	9	9
23.	Riverside #2	121	147	178	213	256	287	319	311	303	288
24.	Pioneer Dixie	20	24	29	36	43	48	53	52	51	50
25.	Eureka #2	60	65	70	70	74	76	78	77	76	75
26.	Upper Center Point	9	10	11	11	11	11	11	11	12	14
27.	Lower Center Point	6	6	6	6	6	6	7	7	7	7
28.	x Miscellaneous	16	18	20	22	24	25	26	27	28	29
	Total Canal Diversions	4053	4107	4271	3814	3909	3978	4257	4524	4686	4706
29.	River at Notus	1410	1330	1410	1700	1880	1730	1520	1410	1430	1470
	Totals	5463	5437	5681	5514	5789	5708	5777	5934	6116	6176
											5969

x Middleton Canals include - Middleton Irrigation Association & Middleton Mill Ditch Co.
 x Eagle Island Canals include - Lemp Ditch, Conway & Hamming, Thos. Aiken, Catlin & Mace, Hart & Davis, Gr
 x Miscellaneous Canals include - Meeves, Rossi Mill, Davis, Little Davis & Jacobs or Julia Davis

DISCHARGE IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1948, INCLUDING STORAGE

MAY

7	8	9	10	11	12	13	14	15	16	17	18	19	20
2080	2316	2467	2467	1829	1963	2275	2415	2561	2673	2841	2869	2886	2897
0	0	0	4	4	4	4	4	7	7	9	11	11	11
8	7	7	7	7	7	7	8	8	9	9	10	11	12
400	398	396	400	437	457	430	450	490	492	493	492	501	503
112	120	130	137	140	144	149	163	172	176	179	181	182	182
26	26	25	25	25	24	24	24	24	26	28	31	34	35
7	7	7	8	8	9	9	9	11	12	14	14	16	16
15	15	15	16	16	16	16	16	17	19	19	19	20	20
136	142	142	147	162	183	187	196	211	216	215	215	215	215
11	11	11	11	12	12	12	12	12	13	13	13	13	13
33	38	43	47	51	55	57	58	60	61	63	66	67	70
14	15	16	17	18	19	19	19	19	19	19	19	19	20
114	128	121	125	142	116	134	131	146	180	207	219	226	240
21	21	22	22	22	22	22	22	23	23	23	23	24	24
66	64	63	61	61	61	62	62	63	63	64	64	65	65
44	47	50	52	54	54	54	54	54	54	54	54	54	54
352	356	360	362	370	359	367	394	393	393	394	394	402	409
10	10	10	10	15	31	31	38	39	38	37	37	29	27
33	37	38	39	40	41	41	41	41	41	41	41	42	42
262	262	265	265	265	291	291	311	324	340	338	346	343	340
11	11	12	12	14	16	17	19	20	23	28	31	31	29
8	8	9	9	10	10	11	11	12	12	13	14	14	14
319	311	303	288	272	257	241	242	243	244	244	244	244	244
53	52	51	50	50	49	49	48	47	47	47	48	48	49
78	77	76	75	74	73	72	71	71	71	72	72	73	73
11	11	12	14	14	17	18	18	19	19	18	18	17	17
7	7	7	7	7	8	8	8	8	8	8	8	8	8
26	27	28	29	30	30	30	30	30	30	30	30	30	30
4257	4524	4686	4706	4149	4328	4637	4874	5125	5309	5520	5583	5625	5659
1520	1410	1430	1470	1820	1430	986	706	595	758	1430	2310	3780	4580
5777	5934	6116	6176	5969	5758	5623	5580	5720	6067	6950	7893	9405	10239

leton Mill Ditch Co.

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

18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
59	2886	2897	2841	2897	2830	2897	2936	2897	2892	2914	2903	2841	2886	79349
11	11	11	12	12	12	12	12	12	12	12	12	12	12	228
10	11	12	16	17	17	19	20	20	21	21	21	21	21	379
92	501	503	506	514	516	524	521	525	519	521	537	527	524	13941
81	182	182	182	183	183	186	186	186	188	188	188	188	188	4650
31	34	35	37	39	40	43	44	46	47	49	49	49	49	1032
14	16	16	16	17	17	17	20	20	22	22	23	23	24	401
19	20	20	23	23	26	27	27	29	31	31	32	32	32	630
15	215	215	209	210	209	212	220	217	217	223	216	221	208	5696
13	13	13	14	14	14	14	14	15	15	15	16	16	16	393
66	67	70	71	74	75	77	78	79	81	80	82	83	84	1782
19	19	20	20	20	20	20	20	21	21	21	21	21	21	540
19	226	240	217	208	190	187	217	227	249	252	255	252	221	5445
23	24	24	25	25	26	26	27	27	28	28	29	30	30	739
64	65	65	66	66	67	67	68	68	69	69	70	71	72	2000
54	54	54	54	54	54	54	54	54	54	54	54	54	54	1521
94	402	409	421	421	421	422	424	421	365	417	412	415	404	11778
37	29	27	27	27	26	25	25	27	25	47	51	46	43	791
41	42	42	42	42	42	43	43	43	43	43	44	44	44	1193
846	343	340	324	277	262	262	301	319	319	319	329	321	332	9273
31	31	29	28	29	27	26	28	24	25	23	22	24	23	610
14	14	14	14	14	14	13	13	13	13	13	13	13	13	349
244	244	244	244	244	244	244	244	244	245	245	246	246	248	7592
48	48	49	49	50	50	51	51	52	52	53	53	54	54	1457
72	73	73	74	74	74	75	75	75	76	76	76	77	77	2272
18	17	17	16	16	15	15	14	14	14	14	14	14	14	446
8	8	8	8	8	8	8	8	8	7	7	7	7	7	226
30	30	30	30	30	30	30	30	30	30	30	30	30	30	865
583	5625	5659	5586	5605	5509	5596	5720	5713	5680	5787	5805	5732	5731	155578
810	3780	4580	4240	4080	3360	3120	3330	4750	6430	6640	7340	7460	6200	90635
893	9405	10239	9826	9685	8869	8716	9050	10463	12110	12427	13145	13192	11931	246213

DISCHA
BY DAYS DURING

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1.	New York Canal (MC #2)	2869	2903	2914	2897	2914	2880	2858	2841	2852	2908
2.	Penitentiary	12	12	12	11	11	11	11	11	11	29
3.	Pubb (South Boise)	20	20	20	19	19	19	18	18	18	18
4.	Ridenbaugh	529	536	441	441	454	510	513	511	508	527
5.	Settlers	188	188	141	137	137	153	162	174	159	181
6.	Thurman Mill	49	47	48	49	47	48	48	48	48	47
7.	Cruzen (Consumers)	24	24	24	25	25	25	26	26	26	24
8.	Boise City Canal	32	32	32	31	31	31	31	31	31	31
9.	Farmers Union & B. V.	212	210	184	172	173	173	173	185	188	206
10.	New Union Ditch Co.	16	16	15	15	15	14	14	14	13	13
11.	New Dry Creek	80	75	71	65	61	54	48	42	36	39
12.	Ballantine	21	21	21	22	22	23	23	24	25	23
13.	x Middleton Canals	220	222	192	179	170	169	165	153	147	136
14.	Little Pioneer	32	35	34	33	32	30	28	27	26	26
15.	Canyon County	73	74	68	62	58	54	50	46	42	38
16.	x Eagle Island Canals	54	54	54	54	54	54	54	54	54	54
17.	Phyllis	426	421	294	301	321	318	316	315	207	319
18.	Eureka #1	34	39	34	29	29	30	30	29	29	32
19.	Caldwell High Line	44	45	45	45	46	46	46	47	47	47
20.	Farmers Coop.	324	337	351	346	343	341	327	319	311	297
21.	Campbell	23	22	22	21	21	21	20	20	20	20
22.	Siebenberg	13	13	13	13	14	15	16	17	17	16
23.	Riverside #2	254	261	267	273	266	259	249	239	228	215
24.	Pioneer Dixie	55	55	56	56	56	56	55	54	54	55
25.	Eureka #2	78	79	80	82	83	84	85	86	88	90
26.	Upper Center Point	13	13	13	13	13	13	13	12	12	12
27.	Lower Center Point	7	7	7	7	7	7	7	7	7	7
28.	x Miscellaneous	30	30	30	30	30	30	30	30	30	30
	Total Canal Diversions	5732	5791	5483	5428	5452	5468	5416	5380	5234	5422
29.	River at Notus	4840	4860	6140	7590	6810	6350	6140	5970	5810	5760
	Totals	10572	10651	11623	13018	12262	11818	11556	11350	11044	11182

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

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

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

DISCHARGE IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1948, INCLUDING STORAGE

JUNE

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
2841	2852	2908	2902	2914	2897	2897	2886	2897	2902	2902	2864	2841	2841	2673
11	11	11	11	11	9	9	9	9	9	11	11	11	11	11
18	18	18	18	18	18	18	18	17	17	17	17	17	17	17
511	508	527	527	526	511	518	518	516	526	521	522	518	481	486
174	159	181	181	181	181	181	181	181	174	169	158	148	148	130
48	48	47	44	43	41	38	35	33	33	33	32	32	32	32
26	26	24	24	23	23	23	22	22	21	21	20	20	19	18
31	31	31	30	30	29	29	29	28	28	28	27	27	27	27
185	188	206	196	201	203	206	205	182	171	171	166	168	149	138
14	13	13	13	13	15	15	16	17	16	15	14	13	12	11
42	36	39	42	45	48	51	55	59	58	56	54	53	52	51
24	25	23	20	19	17	18	16	13	13	13	13	13	13	14
153	147	136	107	86	85	75	60	107	46	56	58	64	80	118
27	26	26	27	27	28	28	29	29	29	30	31	33	36	37
46	42	38	42	46	50	54	59	64	62	60	58	56	54	52
54	54	54	54	54	54	54	54	54	54	54	54	54	54	54
315	207	319	320	336	408	391	410	411	410	423	419	419	441	355
29	29	32	31	32	32	31	30	29	27	25	23	21	19	17
47	47	47	48	48	49	49	50	51	52	51	50	49	48	47
319	311	297	295	309	309	316	321	316	309	299	317	299	302	307
20	20	20	19	19	19	18	18	17	16	16	14	11	9	7
17	17	16	16	18	25	27	22	20	3	12	13	13	14	3
239	228	215	186	200	206	202	186	215	225	175	176	156	240	260
54	54	55	58	60	58	60	60	41	41	41	60	60	60	60
86	88	90	88	85	74	69	69	76	84	83	83	83	85	87
12	12	12	12	14	16	17	18	19	21	20	19	18	17	16
7	7	7	7	7	7	6	6	6	6	6	6	6	6	6
30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
5380	5234	5422	5348	5395	5442	5430	5412	5459	5383	5338	5309	5233	5297	5064
5970	5810	5760	5270	4330	2840	2870	2700	1860	1380	1020	895	818	993	1330
11350	11044	11182	10618	9725	8282	8300	8112	7319	6763	6358	6204	6051	6290	6394

11 Ditch Co.

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

Jacobs or Julia Davis

Chart No. 5-B

19	20	21	22	23	24	25	26	27	28	29	30	Total
64	2841	2841	2673	2498	2508	2493	2503	2508	2342	2260	2383	82747
11	11	11	11	11	11	11	11	11	11	13	13	327
17	17	17	17	17	17	16	16	15	15	14	14	522
522	518	481	486	481	487	521	522	514	522	524	530	15241
158	148	148	130	136	145	154	140	146	158	175	181	4868
32	32	32	32	32	32	32	32	32	32	32	32	1163
20	20	19	18	18	18	18	18	18	18	17	17	647
27	27	27	27	27	27	28	28	28	28	28	28	874
166	168	149	138	152	150	147	157	151	160	162	164	5275
14	13	12	11	10	10	10	11	11	12	12	13	404
54	53	52	51	50	52	34	16	14	14	16	37	1428
13	13	13	14	14	14	14	6	4	4	13	13	489
58	64	80	118	138	115	154	16	10	10	183	246	3567
31	33	36	37	38	39	39	39	12	8	8	24	874
58	56	54	52	50	49	52	55	58	61	64	67	1678
54	54	54	54	54	54	54	54	54	54	54	54	1620
419	419	441	355	353	367	359	348	375	280	354	291	10708
23	21	19	17	15	13	11	14	7	10	16	25	743
50	49	48	47	47	47	46	46	47	47	48	48	1426
317	299	302	307	299	302	340	309	302	253	198	243	9241
14	11	9	7	6	5	7	8	10	11	13	16	469
13	13	14	3	2	2	7	11	5	5	5	10	380
176	156	240	260	248	244	209	152	131	106	115	126	6269
60	60	60	60	60	60	41	59	58	50	37	53	1629
83	83	85	87	87	85	80	88	80	50	20	28	2319
19	18	17	16	15	14	13	14	15	16	17	18	456
6	6	6	6	6	6	6	10	14	18	22	26	253
30	30	30	30	30	30	30	30	30	30	30	30	900
5309	5233	5297	5064	4894	4903	4926	4713	4660	4325	4450	4730	156517
895	818	993	1330	1290	944	660	502	383	248	136	118	90857
6204	6051	6290	6394	6184	5847	5586	5215	5043	4573	4586	4848	247374

on Suckers

BY DAYS

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1.	New York Canal (MC #2)	2332	2332	2235	2150	2150	2105	2105	2125	2195	2235
2.	Penitentiary	11	11	11	11	11	11	11	11	11	7
3.	Eubb (South Boise)	13	12	12	12	11	11	10	10	10	11
4.	Ridenbaugh	535	530	530	530	530	532	530	537	539	539
5.	Settlers	179	179	183	183	183	179	163	161	165	187
6.	Thurman Mill	32	31	30	29	29	29	29	29	28	28
7.	Cruzen (Consumers)	17	17	18	18	19	19	20	20	20	19
8.	Boise City Canal	28	28	28	29	29	29	30	30	30	31
9.	Farmers Union & B. V.	161	211	160	160	156	207	210	212	210	214
10.	New Union Ditch Co.	13	14	14	14	13	13	13	13	14	14
11.	New Dry Creek	59	77	77	77	77	77	77	76	75	73
12.	Ballantine	12	12	11	11	10	10	9	9	10	10
13.	x Middleton Canals	260	71	245	246	245	242	181	181	138	158
14.	Little Pioneer	31	39	39	39	40	40	40	26	12	18
15.	Canyon County	70	74	66	57	49	37	30	79	82	85
16.	x Eagle Island Canals	54	54	54	54	54	54	54	54	54	54
17.	Phyllis	406	400	388	384	382	377	369	378	311	305
18.	Eureka #1	22	31	30	30	30	31	31	30	31	31
19.	Caldwell High Line	41	49	48	45	41	37	34	30	31	32
20.	Farmers Coop.	315	315	325	330	329	314	299	293	332	291
21.	Campbell	15	14	13	18	18	17	17	17	14	12
22.	Siebenberg	9	9	9	6	11	8	10	13	12	14
23.	Riverside #2	237	234	230	228	233	236	237	213	226	201
24.	Pioneer Dixie	53	52	50	48	47	45	44	43	42	40
25.	Eureka #2	63	67	73	77	81	85	81	59	54	38
26.	Upper Center Point	19	20	21	22	23	23	22	22	21	21
27.	Lower Center Point	28	31	34	37	37	38	39	40	40	41
28.	x Miscellaneous	30	30	30	30	30	30	30	30	30	30
	Total Canal Diversions	5045	4944	4964	4875	4868	4836	4745	4761	4757	4739
29.	River at Notus	344	464	319	310	283	227	174	110	94	66
	Totals	5389	5408	5283	5185	5151	5063	4919	4871	4851	4805

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

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

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

DISCHARGE IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1948, INCLUDING STORAGE

JULY

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
125	2195	2235	2225	2230	2265	2250	2215	2210	2210	2205	2205	2200	2175	2195
11	11	7	7	7	7	5	5	5	5	8	10	10	10	1
10	10	11	11	11	12	12	12	12	12	12	12	12	12	1
537	539	539	539	539	539	491	491	495	489	486	487	484	413	400
181	185	187	186	189	188	184	181	176	171	163	161	158	155	164
29	28	28	28	28	28	28	27	27	26	26	25	24	24	26
20	20	19	19	19	19	19	20	20	20	21	21	21	21	21
30	30	31	31	31	32	32	32	32	32	32	32	32	32	32
212	210	214	214	211	213	193	174	180	184	184	185	175	176	171
13	14	14	14	15	15	15	16	16	16	17	17	17	18	18
76	75	73	71	69	68	67	66	60	54	47	40	47	48	48
9	10	10	11	11	12	12	13	13	14	14	15	15	16	16
181	138	158	169	183	180	181	201	137	132	135	156	152	127	136
26	12	18	23	29	34	40	45	35	24	24	25	25	25	25
79	82	85	85	82	65	74	83	110	100	91	86	85	86	86
54	54	54	54	54	54	54	40	40	40	40	40	40	40	40
378	311	305	309	304	294	292	303	274	292	313	314	275	278	277
30	31	31	31	32	32	32	28	32	32	33	33	33	34	35
30	31	32	33	34	36	38	40	41	43	44	45	47	48	50
293	332	291	250	286	245	234	200	218	213	245	236	227	191	187
17	14	12	9	10	10	11	11	12	11	14	16	15	14	12
13	12	14	15	7	8	9	0	11	12	13	14	12	10	6
213	226	201	222	223	225	204	175	211	221	223	227	217	219	222
43	42	40	38	37	35	33	28	30	31	35	37	39	41	44
59	54	38	56	68	62	66	71	75	78	73	68	63	58	52
22	21	21	19	17	16	15	16	18	20	21	22	24	26	24
40	40	41	43	43	44	44	42	40	38	37	36	34	33	32
30	30	30	30	30	30	30	22	22	22	22	22	22	22	22
4761	4757	4739	4742	4799	4768	4665	4557	4552	4542	4578	4587	4505	4352	4324
110	94	66	61	64	70	70	59	50	45	45	45	47	50	44
4871	4851	4805	4803	4863	4838	4735	4616	4602	4587	4623	4632	4552	4402	4368

Ditch Co.

in & Mace, Hart & Davis, Graham & Gilbert, Warm Springs Slough, Joplin & Seven Suckers
ts or Julia Davis

Chart No. 5-C

	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
5	2205	2200	2175	2150	2195	2190	2185	2170	2175	2130	2090	2026	1954	67619
8	10	10	10	10	10	10	10	10	10	10	10	10	10	285
12	12	12	12	12	12	12	12	12	12	12	12	12	12	362
36	487	484	413	406	410	419	419	420	419	417	417	415	415	14942
63	161	158	155	164	149	148	135	136	139	138	139	143	143	5168
26	25	24	24	26	26	28	28	28	28	28	29	29	29	864
21	21	21	21	21	21	20	20	20	20	19	19	19	19	605
32	32	32	32	32	30	29	29	28	27	27	26	26	26	922
64	185	175	176	171	153	153	153	153	146	147	144	145	145	5500
17	17	17	18	18	19	19	18	17	16	15	14	14	14	475
47	40	47	48	48	49	51	47	44	41	44	49	48	48	1851
14	15	15	16	16	17	17	17	17	16	16	16	15	15	412
35	156	152	127	136	138	137	131	112	114	115	116	119	119	4957
24	25	25	25	25	25	24	24	24	24	25	27	29	29	909
91	86	85	86	86	76	68	80	78	81	81	28	49	32	2235
40	40	40	40	40	40	32	32	32	32	32	32	32	32	1372
13	314	275	278	277	282	282	277	295	292	295	277	280	290	9795
33	33	33	34	35	36	36	37	17	18	19	19	18	18	902
44	45	47	48	50	51	53	54	56	57	58	58	58	58	1390
45	236	227	191	187	169	165	169	202	153	187	183	160	128	7391
14	16	15	14	12	20	20	20	20	17	16	14	14	15	456
13	14	12	10	6	2	4	5	6	6	7	5	7	6	266
23	227	217	219	222	200	214	211	221	219	220	247	258	258	6912
35	37	39	41	44	52	50	49	47	45	44	43	42	40	1304
73	68	63	58	52	52	53	53	54	55	56	58	59	56	1964
21	22	24	26	24	23	20	18	16	14	12	10	7	5	577
37	36	34	33	32	31	30	29	28	27	27	27	27	26	1083
22	22	22	22	22	22	18	18	18	18	18	18	18	18	762
78	4587	4505	4352	4324	4310	4302	4280	4281	4221	4215	4127	4079	3960	141280
45	45	47	50	44	43	43	47	45	42	40	43	43	40	3427
23	4632	4552	4402	4368	4353	4345	4327	4326	4263	4255	4170	4122	4000	144707

& Seven Suckers

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1.	New York Canal (MC #2)	1910	1862	1814	1834	1829	1862	1901	1886	1834	1843
2.	Penitentiary	10	10	10	10	10	10	10	10	6	6
3.	Fuht (South Boise)	12	12	12	13	13	13	13	13	13	13
4.	Ridenbaugh	419	389	389	389	387	390	393	390	399	384
5.	Settlers	141	141	140	118	123	123	124	124	124	124
6.	Thurman Mill	28	28	28	28	27	27	27	27	27	27
7.	Cruzen (Consumers)	19	19	19	20	20	20	20	20	20	20
8.	Boise City Canal	26	26	26	26	26	27	27	27	27	27
9.	Farmers Union & E. V.	149	147	155	156	156	160	160	160	160	171
10.	New Union Ditch Co.	14	14	14	14	14	14	13	13	13	13
11.	New Dry Creek	47	47	47	47	47	46	46	46	46	46
12.	Ballantine	15	14	14	14	14	14	15	15	15	16
13.	x Middleton Canals	122	127	125	128	122	122	122	124	124	122
14.	Little Pioneer	29	30	31	31	31	32	32	32	33	33
15.	Canyon County	52	52	49	47	34	52	48	58	67	66
16.	x Eagle Island Canals	32	32	32	32	32	32	32	32	32	32
17.	Phyllis	272	269	282	249	267	294	295	286	284	291
18.	Eureka #1	16	17	16	13	14	16	15	22	22	21
19.	Caldwell High Line	40	56	54	51	35	33	48	47	49	50
20.	Farmers Coop.	137	160	178	142	142	132	113	209	227	284
21.	Campbell	14	13	12	9	13	12	11	12	13	14
22.	Siebenberg	6	8	8	7	8	8	8	7	7	8
23.	Riverside #2	257	289	281	264	259	207	272	190	253	165
24.	Pioneer Dixie	38	37	35	34	33	29	28	27	27	27
25.	Eureka #2	54	54	55	56	57	57	57	57	54	57
26.	Upper Center Point	6	8	9	10	11	11	10	10	9	9
27.	Lower Center Point	25	24	23	20	18	19	20	21	22	23
28.	Miscellaneous	18	18	18	18	18	18	18	18	18	18
	Total Canal Diversions	3908	3903	3876	3780	3760	3780	3878	3883	3925	3910
29.	River at Notus	45	36	36	34	32	36	33	33	34	35
	Totals	3953	3939	3912	3814	3792	3816	3911	3916	3959	3945

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

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

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

DISCHARGE IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1948, INCLUDING STORAGE

AUGUST

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
886	1834	1843	1838	1838	1877	1910	1934	1930	1954	1973	1997	2021	2016	1973
10	6	6	6	6	6	6	6	8	8	8	8	8	8	8
13	13	13	13	13	13	13	14	14	14	14	14	14	15	15
390	399	384	392	395	397	399	399	405	404	408	407	404	402	399
124	124	124	124	120	117	118	117	116	115	111	116	116	116	118
27	27	27	27	27	27	27	25	25	24	24	23	23	23	22
20	20	20	20	20	19	19	19	19	19	19	19	19	19	19
27	27	27	27	27	26	26	26	26	25	25	24	24	24	24
160	160	171	152	153	152	152	155	147	156	159	159	159	159	159
13	13	13	13	13	12	12	12	12	11	11	11	11	10	10
46	46	46	45	45	45	44	44	43	43	42	42	43	44	55
15	15	16	16	16	16	16	17	17	17	17	17	17	16	16
124	124	122	120	120	119	115	116	115	114	112	112	109	107	107
32	33	33	32	32	31	31	30	29	29	28	27	27	28	28
58	67	66	64	64	64	54	62	64	63	60	52	47	55	52
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
286	284	291	292	287	291	293	258	264	273	264	273	280	270	271
22	22	21	19	21	27	19	34	32	36	45	54	52	72	71
47	49	50	56	51	52	50	49	53	52	51	58	58	54	51
209	227	284	227	213	207	160	130	132	137	155	155	132	132	155
12	13	14	12	10	13	13	9	10	10	13	13	14	14	14
7	7	8	11	10	11	10	11	16	13	10	2	13	13	14
190	253	165	237	245	237	238	258	255	217	220	219	217	225	219
27	27	27	27	27	27	16	14	13	25	24	23	22	25	22
57	54	57	54	54	56	55	54	54	52	46	38	30	34	49
10	9	9	11	12	10	10	10	11	12	8	10	12	17	15
21	22	23	24	25	26	27	28	28	29	29	30	30	31	32
18	18	18	18	18	18	18	18	18	18	18	18	18	18	18
883	3925	3910	3909	3894	3928	3883	3881	3888	3902	3926	3953	3952	3979	3968
33	34	35	45	42	42	38	35	36	32	30	30	29	30	34
3916	3959	3945	3954	3936	3970	3921	3916	3924	3934	3956	3983	3981	4009	4002

Litch Co.

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

obs or Julia Davis

Chart No. 5-D

AGE

18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
973	1997	2021	2016	1973	1939	1930	1862	1703	1699	1607	1621	1621	1648	57466
8	8	8	8	8	8	8	8	8	8	8	8	8	8	250
14	14	14	15	15	15	15	15	15	15	14	14	14	14	424
408	407	404	402	399	395	394	389	391	392	383	392	386	391	12253
111	116	116	116	118	118	118	117	109	113	115	115	116	118	3725
24	23	23	23	22	22	21	21	20	20	16	16	16	16	739
19	19	19	19	19	19	19	19	19	18	18	18	18	18	593
25	24	24	24	24	25	25	25	26	26	26	26	26	26	800
159	159	159	159	159	157	157	142	141	133	133	133	133	137	4702
11	11	11	10	10	10	10	9	9	9	9	9	9	9	357
42	42	43	44	55	55	54	54	54	53	53	52	52	51	1478
17	17	17	16	16	15	13	11	9	8	8	8	8	9	433
112	112	109	107	107	104	104	102	98	113	101	76	88	87	3477
28	27	27	28	28	29	29	30	30	30	29	28	27	26	924
60	52	47	55	52	48	47	45	41	37	68	49	39	40	1640
32	32	32	32	32	32	32	32	32	32	32	32	32	32	992
264	273	280	270	271	269	269	280	271	304	0	0	0	0	7498
45	54	52	72	71	75	79	68	71	16	74	21	15	21	1094
51	58	58	54	51	48	45	42	39	36	44	35	31	28	1446
155	155	132	132	155	151	165	232	200	191	169	169	218	109	5263
13	13	14	14	14	12	12	11	13	14	14	10	9	7	370
10	2	13	13	14	13	0	15	15	8	8	14	13	12	307
220	219	217	225	219	225	212	200	238	237	237	236	270	291	7370
24	23	22	25	22	21	23	24	24	24	24	24	26	27	797
46	38	30	34	49	57	62	67	65	63	62	61	61	60	1692
8	10	12	17	15	17	16	16	18	20	23	26	27	27	421
29	30	30	31	32	31	30	29	28	28	27	26	23	20	796
18	18	18	18	18	18	18	18	18	18	18	18	18	18	558
926	3953	3952	3979	3968	3928	3907	3883	3705	3665	3320	3237	3304	3250	117865
30	30	29	30	34	33	38	38	38	38	39	40	38	33	1112
956	3983	3981	4009	4002	3961	3945	3921	3743	3703	3359	3277	3342	3283	118977

& Seven Suckers

DISC
BY DAYS DU

No.	Name of Canal	1	2	3	4	5	6	7	8	9	10
1.	New York Canal (MC #2)	1694	1680	1722	1722	1763	1763	1805	1740	1690	1508
2.	Penitentiary	8	8	8	8	8	8	8	8	0	0
3.	Bubb (South Boise)	13	13	13	12	12	12	11	11	11	10
4.	Ridenbaugh	392	392	388	387	385	382	384	379	378	377
5.	Settlers	118	117	117	119	121	121	121	121	122	122
6.	Thurman Mill	16	16	16	30	31	33	32	34	35	33
7.	Cruzen (Consumers)	18	18	18	18	18	17	17	17	17	17
8.	Boise City Canal	26	25	25	25	24	24	24	24	24	24
9.	Farmers Union & B. V.	135	135	135	134	134	134	68	64	67	69
10.	New Union Ditch Co.	9	9	9	9	8	8	8	8	8	7
11.	New Dry Creek	51	50	50	49	47	46	45	44	43	42
12.	Ballantine	9	9	9	10	10	10	10	11	11	11
13.	x Middleton Canals	89	88	98	73	91	93	92	92	91	81
14.	Little Pioneer	25	23	22	30	37	36	35	33	31	26
15.	Canyon County	54	68	57	47	55	59	57	55	55	50
16.	x Eagle Island Canals	32	32	32	32	32	32	32	32	32	32
17.	Phyllis	0	0	0	309	295	324	340	333	335	343
18.	Eureka #1	27	21	15	9	9	10	12	13	15	17
19.	Caldwell High Line	28	28	63	29	45	60	58	51	54	37
20.	Farmers Coop.	164	178	232	245	245	200	218	265	218	218
21.	Campbell	7	7	7	7	7	7	8	9	9	10
22.	Siebenberg	11	10	9	9	9	11	10	9	8	9
23.	Riverside #2	224	245	216	210	333	267	263	201	247	246
24.	Pioneer Dixie	24	27	28	29	31	33	33	35	33	36
25.	Eureka #2	40	37	35	33	62	92	84	85	85	85
26.	Upper Center Point	15	15	14	13	18	24	17	18	17	17
27.	Lower Center Point	18	16	14	11	11	12	14	16	19	24
28.	x Miscellaneous	18	18	18	18	18	18	18	18	18	18
	Total Canal Diversions	3265	3285	3370	3627	3859	3836	3824	3726	3673	3469
29.	River at Notus	34	31	30	32	33	40	40	48	45	45
	Totals	3299	3316	3400	3659	3892	3876	3864	3774	3718	3514

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

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

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

DISCHARGE IN SECOND FEET, OF BOISE VALLEY CANALS
BY DAYS DURING THE IRRIGATION SEASON OF 1948, INCLUDING STORAGE

SEPTEMBER

8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
1740	1690	1508	1413	1462	1454	1421	2105	2140	2115	2145	2160	1978	2040	2006
8	0	0	0	0	3	3	5	5	5	5	5	5	5	5
11	11	10	10	10	10	10	10	10	10	10	10	10	10	10
379	378	377	374	373	373	375	373	372	372	352	352	333	333	333
121	122	122	122	85	87	85	85	85	87	87	89	89	89	81
34	35	33	36	34	37	34	33	31	30	30	30	30	30	30
17	17	17	17	17	17	17	17	16	16	16	16	16	16	16
24	24	24	24	24	23	23	23	23	22	22	22	22	21	21
64	67	69	69	69	75	71	71	71	70	71	69	69	69	69
8	8	7	7	7	7	7	7	7	7	7	7	7	7	7
44	43	42	40	38	39	38	37	35	33	31	30	29	27	24
11	11	11	11	12	12	12	12	12	12	12	12	12	11	11
92	91	81	95	91	87	91	93	93	93	81	80	76	76	76
33	31	26	24	24	23	23	22	31	25	19	12	10	7	6
55	55	50	51	40	45	32	58	55	53	51	46	43	40	38
32	32	32	32	32	32	32	32	32	32	32	32	32	32	32
333	335	343	343	324	334	293	200	233	271	250	200	144	124	116
13	15	17	19	18	10	17	10	11	13	10	16	12	12	12
51	54	37	38	30	22	18	29	37	45	42	38	33	29	21
265	218	218	232	232	227	241	227	227	209	165	151	146	146	142
9	9	10	10	11	12	12	12	12	11	11	11	11	10	10
9	8	9	11	7	10	9	9	9	9	9	8	8	8	8
201	247	246	246	244	263	278	197	190	182	180	176	170	168	164
35	33	36	38	40	43	42	48	48	48	46	44	40	40	40
85	85	85	85	85	84	85	87	84	82	80	75	70	65	60
18	17	17	18	18	18	17	17	17	17	16	16	16	15	15
16	19	24	23	22	21	20	20	20	20	20	20	19	19	19
18	18	18	18	18	18	18	18	18	18	18	18	18	16	18
3726	3673	3469	3406	3367	3386	3324	3857	3924	3907	3818	3745	3448	3467	3390
48	45	45	43	44	44	44	42	43	68	235	344	319	301	283
3774	3718	3514	3449	3411	3430	3368	3899	3967	3975	4053	4089	3767	3768	3673

l Ditch Co.

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

Jacobs or Julia Davis

STORAGE

	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
	2145	2160	1978	2040	2006	0	0	0	0	0	0	0	1122	40648
	5	5	5	5	5	0	0	0	0	0	0	0	0	110
	10	10	10	10	10	10	10	10	10	10	10	10	10	318
	352	352	333	333	333	0	0	0	0	0	0	0	331	8490
	87	89	89	89	81	75	75	75	75	75	75	75	75	2870
	30	30	30	30	30	30	30	30	30	30	30	30	30	901
	16	16	16	16	16	15	15	15	15	15	15	15	15	492
	22	22	22	21	21	21	21	20	20	20	20	20	20	677
	71	69	69	69	69	70	70	70	72	72	69	70	70	2481
	7	7	7	7	7	7	7	6	6	6	6	6	6	217
	31	30	29	27	24	26	29	28	27	27	25	22	30	1082
	12	12	12	11	11	11	11	11	10	10	10	10	10	324
	81	80	76	76	76	76	76	76	76	76	76	76	76	2528
	19	12	10	7	6	6	7	7	7	7	7	7	8	580
	51	46	43	40	38	40	40	48	57	37	36	34	35	1436
	32	32	32	32	32	32	32	32	32	32	32	32	32	960
	250	200	144	124	116	124	122	124	96	96	118	112	112	6015
	10	16	12	12	12	12	12	12	12	12	12	12	12	404
	42	38	33	29	21	21	23	27	30	23	22	20	20	1021
	165	151	146	146	142	142	137	137	137	113	113	103	103	5513
	11	11	11	10	10	10	10	10	10	10	10	10	10	291
	9	8	8	8	8	8	7	7	7	6	6	6	6	253
	180	176	170	168	164	170	171	167	154	150	148	151	140	6161
	46	44	40	40	40	40	40	40	40	40	40	40	40	1146
	80	75	70	65	60	55	50	40	40	40	40	40	40	1925
	16	16	16	15	15	12	12	12	12	12	10	10	10	458
	20	20	19	19	19	19	19	19	19	18	18	18	18	546
	18	18	18	18	18	18	18	18	18	18	18	18	18	540
7	3818	3745	3448	3467	3390	1050	1044	1041	1012	955	966	947	2399	88387
8	235	344	319	301	283	278	248	265	274	287	296	274	256	4366
5	4053	4089	3767	3768	3673	1328	1292	1306	1286	1242	1262	1221	2655	92753

Diplin & Seven Suckers

TABLE IN ACRE FEET, SHOWING TOTAL
MONTHLY CANAL DIVERSIONS FROM BOISE RIVER
DURING IRRIGATION SEASON OF 1948

NAME OF CANAL	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Board of Control (MC #2)	70092	158698	165494	135238	114932	81296
Penitentiary	70	456	654	570	500	220
Bubb (South Boise)	80	758	1044	724	848	636
Ridenbaugh	2248	27882	30482	29884	24506	16980
Settlers	1154	9300	9736	10336	7450	5740
Thurman Mill	244	2064	2326	1728	1478	1802
Cruzen (Consumers)	156	802	1294	1210	1186	984
Boise City	108	1260	1748	1844	1600	1354
Farmers Union	318	7904	7274	8164	6434	2624
Boise Valley	300	3488	3276	2836	2970	2338
New Union Ditch Co.	92	786	808	950	714	434
New Dry Creek Ditch Co.	200	3564	2856	3702	2956	2164
Ballantine	82	1080	978	824	866	648
Middleton Canals	1946	10890	7134	9914	6954	5056
Little Pioneer	176	1478	1748	1818	1848	1160
Canyon County	192	4000	3356	4470	3280	2872
7 Eagle Island Canals	126	3042	3240	2744	1984	1920
Phyllis	7380	23556	21416	19590	14996	12030
Eureka No. 1	126	1582	1486	1804	2188	808
Caldwell High Line	178	2386	2852	2780	2892	2042
Farmers Coop.	6086	18546	18482	14782	10526	11026
Campbell (Canyon)	48	1220	938	912	740	582
Siebenberg	48	698	760	532	614	506
Riverside No. 2	552	15184	12538	13824	14740	12322
Pioneer Dixie	312	2914	3258	2608	1594	2292
Eureka No. 2	380	4544	4638	3928	3384	3850
Upper Center Point	42	892	912	1154	842	916
Lower Center Point	24	452	506	2166	1592	1092
Miscellaneous	88	1730	1800	1524	1116	1080
Totals	92848	311156	313034	282560	235730	176774

ACRE FEET, SHOWING TOTAL

L DIVERSIONS FROM BOISE RIVER

RRIGATION SEASON OF 1948

JUNE	JULY	AUGUST	SEPTEMBER	TOTALS
165494	135238	114932	81296	725750
654	570	500	220	2470
1044	724	848	636	4090
30482	29884	24506	16980	131982
9736	10336	7450	5740	43716
2326	1728	1478	1302	9642
1294	1210	1186	984	5632
1748	1844	1600	1354	7914
7274	8164	6434	2624	32718
3276	2836	2970	2338	15208
808	950	714	434	3784
2856	3702	2956	2164	15442
978	824	866	648	4478
7134	9914	6954	5056	41894
1748	1818	1848	1160	8228
3356	4470	3280	2872	18170
3240	2744	1984	1920	13056
21416	19590	14996	12030	98968
1486	1804	2188	808	7994
2852	2780	2892	2042	13130
18482	14782	10526	11026	79448
938	912	740	582	4440
760	532	614	506	3158
12538	13824	14740	12322	69160
3258	2608	1594	2292	12978
4638	3928	3384	3850	20724
912	1154	842	916	4758
506	2166	1592	1092	5832
1800	1524	1116	1080	7338
313034	282560	235730	176774	1412102

	1915	1916	1917	1918	1919	1920	1921	
Board of Control	434,066	589,932	439,904	561,530	531,426	568,746	563,608	
New York Stock		83,014	54,282	70,226	54,972	60,052	69,512	
Penitentiary	1,066	1,464	1,452	1,530	2,426	2,580	3,032	
Bubb	3,442	4,344	4,676	4,562	3,542	4,276	3,892	
Ridenbaugh	98,468	103,386	97,080	112,186	101,802	106,712	128,616	
Settlers	32,168	40,804	32,418	35,552	37,748	41,000	48,384	
Thorman Mill	10,686	12,112	11,918	9,870	7,954	7,628	7,630	
Consumers Water Corp.	19,946	22,756	17,408	28,748	25,194	25,140	23,530	
Boise City	2,552	3,402	2,990	3,162	2,840	888	1,896	
Farmers Union	34,500	31,804	26,042	32,644	25,110	26,646	41,360	
Capital View Irr. Dist.	2,846	2,002	2,022	4,212	4,114	4,392	4,880	
Boise Valley		12,936	6,438	11,374	13,296	13,704	14,142	
New Union	2,940	3,178	3,902	3,048	2,890	2,496	3,392	
New Dry Creek	11,983	12,500	10,466	10,698	11,154	13,972	16,000	
Ballantine	1,546	2,006	1,752	2,436	3,560	2,882	2,460	
Middleton Water Co.	23,480	21,404	15,982	26,044	21,004	24,332	28,232	
Middleton Mill Ditch	14,688	15,094	15,666	15,240	15,106	15,290	15,078	
Little Pioneer	5,716	6,620	5,466	5,904	5,966	6,802	5,822	
Canyon Water Co.	15,190	18,034	14,158	16,034	15,254	14,356	21,414	
7 Eagle Island Canals	11,394	14,164	12,204	14,968	13,196	12,702	13,308	
Phyllis Canal	69,324	109,026	108,926	108,282	108,698	104,416	115,540	
Eureka Water Company	4,578	5,334	3,574	5,226	6,094	5,264	5,166	
Caldwell High Line	23,004	18,100	18,476	16,110	13,372	12,016	18,678	
Farmers Coop.	63,282	85,544	69,638	84,974	67,628	84,448	93,052	
Campbell (Canyon)	3,044	4,614	4,492	4,070	3,706	3,710	4,974	
Siebenberg	2,806	3,588	2,750	3,428	3,230	3,420	3,508	
Riverside No. 2	55,240	60,956	48,584	57,268	45,704	53,966	67,906	
Pioneer Dixie	5,144	5,434	4,384	3,938	5,394	4,822	7,218	
Eureka No. 2	11,438	10,626	9,170	11,156	12,264	13,334	15,280	
Upper Center Point	3,240	3,262	2,348	3,024	3,276	2,912	2,850	
Lower Center Point	2,262	1,850	1,558	2,542	2,062	3,278	2,052	
Miscellaneous	8,852	9,292	8,102	9,930	8,566	8,458	8,610	
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	1,305,5
New York Canal Diversions								
October 1 to March 31			93,356	157,484	163,000	185,000	211,000	164,0
Irrigation Requirements Below Diversion								
Dam During October			39,100	33,996	27,106	17,806	24,070	35,8
Amount Passing Diversion Dam								
From November 1 to April 1			170,196	165,570	121,418	137,420	119,294	134,7
Total			1,360,880	1,636,966	1,488,352	1,594,866	1,715,386	1,640,6
Summer Return Flow	194,850	353,506	314,462	371,632	279,366	232,512	362,928	294,10
Natural Flow Used			1,046,418	1,265,334	1,208,986	1,362,354	1,352,458	1,346,5
Combined with Board of Control								

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

1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	
568,746	563,608	553,022	643,878	201,622	611,376	375,000	642,778	576,716	574,030	52
60,052	69,512	67,838	71,808	35,298	60,074	29,836	60,788	51,718	41,366	3
2,580	3,032	2,940	3,100	772	2,122	1,734	1,954	2,144	1,650	
4,276	3,892	3,212	4,048	2,818	3,202	2,834	3,348	3,712	3,688	
106,712	128,616	120,472	135,908	87,636	135,696	108,210	132,334	132,446	120,884	12
41,000	48,384	44,966	47,634	31,326	52,862	35,728	47,830	43,340	41,540	3
7,628	7,630	6,686	9,316	7,244	8,976	8,770	7,972	9,516	9,784	
25,140	23,530	23,024	19,344	12,560	12,646	10,190	8,816	8,350	6,808	
888	1,896	2,032	1,530	8,498	9,582	8,774	9,036	7,300	8,960	
26,646	41,360	38,982	44,270	24,426	46,786	22,898	44,984	37,562	33,376	3
4,392	4,880	4,880	5,368	3,280	4,000	4,434	3,388	4,240	3,100	
13,704	14,142	15,416	17,142	14,178	12,720	14,840	16,410	16,778	15,536	1
2,496	3,392	3,272	3,934	3,592	3,854	3,038	4,292	3,760	3,960	
13,972	16,000	16,712	16,922	12,224	18,454	14,276	18,322	17,816	15,970	1
2,882	2,460	3,900	4,226	3,028	2,580	3,526	3,660	3,574	3,282	
24,332	28,232	31,016	29,582	26,108	34,652	23,934	29,816	27,358	21,624	2
15,290	15,078	24,190	26,702	13,896	28,028	14,266	19,028	19,768	18,036	1
6,802	5,822	6,632	7,880	6,410	9,418	7,626	7,442	8,988	8,738	
14,356	21,414	23,218	22,786	18,912	19,712	18,952	19,672	18,982	18,118	1
12,702	13,308	12,212	13,794	11,850	13,756	11,530	13,288	12,134	11,448	1
104,416	115,540	115,740	125,282	61,300	125,588	70,342	115,370	113,842	95,844	10
5,264	5,166	6,390	5,698	6,600	5,952	6,344	6,434	6,474	5,714	
12,016	18,678	17,660	15,368	16,296	14,584	18,938	11,944	14,332	17,536	1
84,448	93,052	38,650	89,224	39,540	89,020	52,192	91,726	79,274	69,000	8
3,710	4,974	3,924	5,248	3,556	4,478	3,384	4,658	5,222	3,838	
3,420	3,508	3,090	3,596	2,106	3,106	2,796	2,604	2,854	2,580	
53,966	67,906	41,180	54,620	30,752	47,454	40,604	63,404	51,036	41,220	4
4,822	7,218	4,904	9,440	7,996	8,710	7,620	8,140	11,442	8,622	9
13,334	15,280	15,412	16,402	12,642	11,776	12,052	11,978	12,326	10,110	11
2,912	2,850	3,472	3,538	3,196	2,468	2,308	1,802	2,756	2,526	2
3,278	2,052	1,784	2,848	3,042	2,538	2,634	2,238	2,120	3,018	2
8,458	8,610	8,118	9,148	7,080	8,770	7,680	8,996	8,082	7,582	8
254,640	1,361,022	1,305,946	1,469,530	719,824	1,414,940	947,230	1,424,452	1,316,162	1,229,658	1,223,280
185,000	211,000	164,000	173,000	190,000	201,000	180,000	182,000	160,270	157,526	175,266
17,806	24,070	35,892	29,432	37,796	31,292	37,700	28,750	36,020	41,240	31,840
137,420	119,294	134,784	96,796	100,414	103,652	107,282	150,930	234,482	45,018	59,500
594,866	1,715,386	1,640,622	1,768,758	1,048,034	1,750,884	1,272,212	1,786,132	1,746,934	1,473,442	1,489,892
232,512	362,928	294,100	344,890	165,164	290,248	171,692	304,290	299,728	227,474	235,746
362,354	1,352,458	1,346,522	1,423,868	822,870	1,460,636	1,100,520	1,481,842	1,447,206	1,245,968	1,254,146

EF
1915

1928	1929	1930	1931	1932	1933	1934	1935	1936	1937	
576,716	574,030	520,146	355,518	735,592	638,504	388,154	646,960	611,988	541,832	
21,718	41,366	35,978	24,658							
2,344	1,650	1,492	1,474	1,680	1,466	1,672	2,358	1,998	2,164	
3,712	3,688	3,558	2,926	5,184	4,266	4,030	4,136	4,142	3,978	
132,446	120,884	129,062	102,584	144,474	141,694	126,502	134,870	148,178	117,806	
43,340	41,540	35,554	29,674	46,690	45,061	34,142	42,992	43,732	36,478	
9,516	9,784	8,748	8,720	8,264	8,434	10,700	10,450	8,802	9,442	
8,350	6,808	8,584	8,322	8,236	6,562	8,000	6,424	7,344	7,048	
7,300	8,960	8,938	8,484	9,638	10,388	10,524	9,496	8,470	8,758	
37,562	33,376	35,482	23,854	31,744	32,136	28,848	29,988	29,716	28,022	
4,240	3,100	3,880	3,298	3,354	3,374	3,950	3,400	3,406	3,362	
16,778	15,536	16,998	15,608	15,252	15,654	16,468	15,254	16,034	16,038	
3,760	3,960	3,558	3,706	3,328	3,508	4,112	4,178	4,374	4,442	
17,816	15,970	17,140	11,870	15,524	17,648	3,764	17,350	16,110	13,638	
3,574	3,282	3,338	2,918	4,354	3,432	13,796	3,532	3,386	3,288	
27,358	21,624	25,942	23,214	23,096	20,018	23,312	20,772	22,764	26,276	
19,788	18,036	17,178	13,390	20,590	22,844	16,528	21,020	22,260	15,006	
8,988	8,738	8,584	7,608	7,990	9,194	8,762	8,974	8,424	8,802	
10,982	18,118	18,958	17,144	19,132	19,872	20,470	20,528	17,896	18,180	
12,134	11,448	12,274	11,030	11,714	11,446	11,162	11,382	14,348	10,998	
113,842	95,864	109,070	65,170	111,016	110,312	85,148	97,746	100,138	83,308	
6,474	5,714	6,800	6,090	6,462	6,370	7,624	8,174	7,662	7,318	
14,332	17,556	17,530	18,938	18,562	13,004	20,360	22,714	18,320	19,698	
79,274	69,000	84,294	49,120	85,240	78,830	60,256	76,344	73,100	70,164	
8,382	3,838	4,526	3,956	4,100	4,886	3,584	4,318	4,528	4,284	
2,854	2,580	3,030	2,510	2,422	3,448	2,482	3,244	2,574	2,658	
51,036	41,220	46,954	32,014	50,662	41,020	49,060	44,988	52,910	44,172	
11,442	8,622	9,296	8,540	7,556	7,938	10,196	7,942	8,848	8,072	
12,326	10,110	11,982	10,130	10,210	11,440	12,650	12,588	101,158	10,864	
2,756	2,526	2,952	2,668	2,970	2,656	2,288	3,024	2,584	2,688	
2,120	3,018	2,622	3,102	2,772	2,812	3,962	3,010	1,630	2,552	
8,082	7,582	8,206	7,532	7,492	7,606	7,554	7,558	9,534	7,378	
2 1,316,162	1,229,658	1,223,286	885,750	1,425,210	1,305,778	1,000,060	1,304,704	1,285,358	1,138,714	1,477
0 160,270	157,526	175,266	141,956	157,422	125,778	166,838	169,168	170,570	153,418	176
0 36,020	41,240	31,840	25,150	26,830	40,838	37,678	33,142	80,292	26,588	34
0 234,482	45,018	59,500	50,794	68,384	69,956	55,018	51,396	19,088	20,768	85
2 1,746,934	1,473,442	1,489,892	1,103,650	1,677,846	1,542,350	1,259,594	1,558,410	1,505,308	1,339,488	1,773
0 299,728	227,474	235,746	171,736	343,116	273,076	198,518	240,752	265,286	217,436	373
2 1,447,206	1,245,968	1,254,146	931,914	1,334,730	1,269,274	1,061,076	1,317,658	1,240,022	1,122,052	1,400

Chart No. 7

1930	1931	1932	1933	1934	1935	1936	1937	1938
20,146	355,518	735,592	638,504	388,154	646,960	611,988	541,832	723,112
35,978	24,658							
1,492	1,474	1,680	1,466	1,672	2,358	1,998	2,164	2,132
3,558	2,926	5,184	4,266	4,030	4,136	4,142	3,978	4,722
29,062	102,584	144,474	141,694	126,502	134,870	148,178	117,806	159,302
35,554	29,674	46,690	45,061	34,142	42,992	43,732	36,478	48,134
8,748	8,720	8,264	8,434	10,700	10,450	8,802	9,442	10,624
8,584	8,322	8,236	6,562	8,000	6,424	7,344	7,048	6,876
8,938	8,484	9,638	10,388	10,524	9,496	8,470	8,758	9,746
35,482	23,854	31,744	32,136	28,848	29,988	29,716	28,022	35,240
3,880	3,298	3,354	3,374	3,950	3,400	3,406	3,362	3,468
16,998	15,608	15,252	15,654	16,468	15,254	16,034	16,038	17,586
3,558	3,706	3,328	3,508	4,112	4,178	4,374	4,442	4,322
17,140	11,870	15,524	17,648	3,764	17,350	16,110	13,638	17,830
3,338	2,918	4,354	3,432	13,796	3,532	3,386	3,288	3,514
25,942	23,214	23,096	20,018	23,312	20,772	22,764	26,276	31,226
17,178	13,390	20,590	22,844	16,528	21,020	22,260	15,006	17,584
8,584	7,608	7,990	9,194	8,762	8,974	8,424	8,802	9,762
18,958	17,144	19,132	19,872	20,470	20,528	17,896	18,180	18,814
12,274	11,030	11,714	11,446	11,162	11,382	14,348	10,998	12,632
109,070	65,170	111,016	110,312	85,148	97,746	100,138	83,308	111,026
6,800	6,090	6,462	6,370	7,624	8,174	7,662	7,318	7,262
17,530	18,938	18,562	13,004	20,360	21,714	18,320	19,698	17,206
84,294	49,120	85,240	78,830	60,256	76,344	73,100	70,164	93,592
4,526	3,956	4,100	4,886	3,584	4,318	4,528	4,284	5,750
3,030	2,510	2,422	3,448	2,482	3,244	2,574	2,658	2,662
46,956	32,014	50,662	41,020	49,060	44,988	52,910	44,172	66,196
9,296	8,540	7,556	7,938	10,196	7,942	8,848	8,072	10,414
11,982	10,130	10,210	11,440	12,650	12,588	101,158	10,864	13,586
2,952	2,668	2,970	2,656	2,288	3,024	2,584	2,688	2,452
2,622	3,102	2,772	2,812	3,962	3,010	1,630	2,552	2,436
8,206	7,532	7,492	7,606	7,554	7,558	9,534	7,378	8,388
223,286	885,750	1,425,210	1,305,778	1,000,060	1,304,704	1,285,358	1,138,714	1,477,596
175,266	141,956	157,422	125,778	166,838	169,168	170,570	153,418	176,440
31,840	25,150	26,830	40,838	37,678	33,142	80,292	26,588	34,398
59,500	50,794	68,384	69,956	55,018	51,396	19,088	20,768	85,150
489,892	1,103,650	1,677,846	1,542,350	1,259,594	1,558,410	1,505,308	1,339,488	1,773,584
235,746	171,736	343,116	273,076	198,518	240,752	265,286	217,436	373,294
254,146	931,914	1,334,730	1,269,274	1,061,076	1,317,658	1,240,022	1,122,052	1,400,290

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

Combined with Board of Control

1943	1944	1945	1946	1947	1948
530	616,514	681,738	721,472	772,628	725,750
062	1,764	1,656	2,212	2,806	2,470
874	4,338	5,316	5,172	5,204	4,090
430	126,146	129,942	154,442	157,198	131,982
082	40,062	42,006	47,080	49,380	43,716
098	9,670	11,770	9,086	10,456	9,642
884	5,888	7,078	6,726	6,566	5,632
966	8,940	8,468	9,352	9,398	7,924
180	29,700	32,990	38,252	38,616	30,678
174	2,022	2,120	2,180	2,076	2,040
802	13,598	14,976	17,686	16,866	15,208
896	3,836	4,016	3,984	4,376	3,784
080	17,572	20,094	19,218	18,772	15,442
962	3,610	3,706	4,076	5,036	4,478
602	39,530	29,456	28,628	27,582	25,136
760	11,124	14,728	19,084	18,388	16,758
994	7,250	9,202	10,692	10,586	8,228
968	18,708	19,900	20,354	21,648	18,170
394	12,450	12,060	13,772	13,746	13,056
060	85,268	84,672	107,768	107,128	98,968
348	7,962	8,034	8,332	9,502	7,994
618	20,424	20,730	18,832	16,348	13,130
038	70,786	77,664	93,136	85,200	79,448
510	4,422	5,164	5,944	5,446	4,440
298	2,488	2,350	2,658	2,844	3,158
118	41,684	48,758	43,604	50,496	69,160
706	15,336	15,078	13,472	16,430	12,978
6294	11,830	14,818	19,674	23,718	20,724
8782	4,126	4,090	4,438	4,392	4,758
8344	4,912	3,784	3,788	4,410	5,832
7800	7,036	7,926	7,822	7,760	7,338

5,654	1,248,996	1,344,290	1,462,936	1,525,002	1,412,102
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2,266	145,568	151,102	153,260	166,220	149,012
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5,370	25,074	14,858	18,364	22,846	31,464
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1,346	32,026	29,302	69,026	115,740	28,056
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636	1,451,664	1,539,552	1,703,586	1,829,808	1,620,634
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866	248,672	264,190	291,322	339,546	256,714
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770	1,202,992	1,275,362	1,412,264	1,490,262	1,363,920
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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	6
2.	Davis Drain	5	5	5	5	5	5	5	5	5	5
3.	Thurman Drain	8	8	8	8	8	8	8	8	8	8
4.	Loise Sewer	8	8	8	8	8	8	8	8	8	8
5.	Eagle Drain	12	12	12	12	13	13	13	13	14	14
6.	South Middleton Drain	20	21	21	21	23	22	20	19	21	23
7.	North Middleton Drain	12	12	13	11	10	9	13	15	14	17
8.	Hartley Drain	4	4	4	4	4	3	3	3	2	5
9.	Phyllis Waste	4	4	4	4	4	4	4	4	4	4
10.	Mason Creek	5	5	5	5	5	5	5	5	5	5
11.	Mason Drain	23	23	23	23	23	24	24	24	24	25
12.	Indian Creek	35	35	36	36	37	37	37	37	38	36
	Total	142	143	145	143	146	144	156	147	149	158

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	8	8	8	8	8	8	8	8	8	8	9
2.	Davis Drain	7	7	7	7	7	7	7	7	7	7	7
3.	Thurman Drain	13	13	13	13	14	14	14	14	15	15	15
4.	Loise Sewer	9	9	9	9	9	9	9	9	9	9	9
5.	Eagle Drain	21	22	22	23	23	24	25	26	27	28	29
6.	South Middleton Drain	81	84	86	90	94	91	88	85	82	79	76
7.	North Middleton Drain	26	25	27	29	26	28	30	30	30	31	31
8.	Hartley Drain	7	7	7	7	8	8	8	9	10	11	12
9.	Phyllis Waste	9	9	9	9	9	9	9	10	10	10	10
10.	Mason Creek	7	7	7	7	7	7	8	8	8	8	8
11.	Mason Drain	30	30	30	30	31	31	31	31	32	32	32
12.	Indian Creek	109	113	116	115	113	114	116	117	115	116	118
	Total	327	334	341	347	349	350	353	354	353	354	356

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1948

APRIL

9	10	11	12	13	14	15	16	17	18	19	20	21	22
6	6	6	6	6	6	6	7	7	7	7	7	7	7
5	5	6	6	6	6	6	6	6	6	6	6	6	6
8	8	8	8	8	8	8	8	8	8	8	8	8	8
8	8	8	8	8	8	8	8	8	8	8	8	8	8
14	14	14	15	15	15	16	16	16	17	17	17	18	18
21	23	24	25	29	32	36	37	40	46	44	49	47	54
14	17	16	18	15	14	19	21	20	13	17	16	18	20
2	5	6	6	6	6	7	6	6	5	5	5	5	5
4	4	4	4	5	5	5	5	6	6	6	6	7	7
5	5	5	5	6	6	6	6	6	6	6	6	6	6
24	25	25	25	25	26	26	26	26	27	27	27	27	27
38	36	38	39	40	43	44	49	53	60	62	69	71	76
149	158	160	165	159	175	187	195	202	214	213	224	228	243

MAY

9	10	11	12	13	14	15	16	17	18	19	20	21	22
8	8	9	9	9	9	9	9	9	9	9	10	10	10
7	7	7	7	7	8	8	8	8	8	8	8	8	8
15	15	15	15	16	16	16	16	17	17	17	17	18	18
9	9	9	9	9	9	10	10	10	10	10	10	10	10
27	28	29	31	32	34	35	37	38	40	41	43	44	46
82	79	76	73	70	67	63	59	55	51	58	66	74	82
30	31	31	31	32	32	33	33	33	34	34	34	39	44
10	11	12	13	14	15	16	17	18	18	18	18	18	18
10	10	10	10	10	10	10	10	11	11	11	11	11	11
8	8	8	8	8	9	10	10	11	12	12	13	14	14
32	32	32	32	33	35	37	40	43	47	51	55	60	65
115	116	118	120	121	125	129	133	137	141	145	149	153	157
353	354	356	358	361	369	376	382	390	398	414	434	459	483

Chart No. 8

19	20	21	22	23	24	25	26	27	28	29	30	Total
7	7	7	7	7	7	7	7	7	7	7	7	195
6	6	6	6	6	6	6	6	6	6	6	6	173
8	8	8	9	9	10	10	11	11	12	12	13	265
17	17	18	18	18	19	19	19	20	20	20	21	240
44	49	47	54	63	67	69	73	77	81	83	80	478
17	16	18	20	22	19	21	20	22	21	23	22	1267
5	5	5	5	6	6	6	6	6	7	7	7	508
6	6	6	7	7	8	8	8	8	8	9	9	155
27	27	27	27	28	28	28	28	29	29	29	29	171
62	69	71	76	83	84	87	92	96	99	104	107	174
213	224	228	243	263	268	276	285	297	306	316	317	778
												1762
												6166

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
9	10	10	10	10	10	10	10	10	10	11	11	11	284
8	8	8	8	8	8	8	8	8	8	9	9	9	238
17	17	18	18	18	18	19	19	19	19	20	20	20	508
10	10	10	10	10	10	10	10	10	10	11	11	11	299
41	43	44	46	47	49	50	52	53	55	57	59	61	1174
58	66	74	82	90	98	106	114	122	130	138	146	154	2752
34	34	39	44	49	54	59	64	69	74	79	84	89	1313
18	18	18	18	18	18	18	19	19	19	19	19	19	445
11	11	11	11	12	12	12	12	12	12	12	12	12	327
12	13	14	14	15	16	16	17	18	18	19	19	20	361
51	55	60	65	71	77	84	91	99	103	107	112	118	1700
145	149	153	157	161	165	169	173	177	181	185	189	193	4365
414	434	459	483	509	535	561	589	616	639	667	691	717	13766

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10	11
1.	Drainage District #3	11	11	11	11	11	11	12	12	12	12	12
2.	Davis Drain	9	9	9	9	9	9	9	9	9	9	9
3.	Thurman Drain	20	20	20	20	20	21	21	21	21	21	21
4.	Boise Sewer	11	11	11	11	11	11	11	11	11	11	11
5.	Eagle Drain	63	65	63	61	59	57	55	53	51	51	51
6.	South Middleton Drain	162	170	178	186	180	174	168	163	158	153	148
7.	North Middleton Drain	94	99	104	110	103	96	89	82	75	68	61
8.	Hartley Drain	19	19	19	19	20	22	23	25	26	28	29
9.	Phyllis Waste	12	12	13	13	13	13	13	13	14	14	14
10.	Mason Creek	20	21	21	22	21	20	19	18	17	16	15
11.	Mason Drain	125	133	141	149	144	139	134	129	124	119	113
12.	Indian Creek	197	201	208	214	196	181	164	147	147	136	130
	Total	743	771	798	825	789	754	718	683	665	638	614

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	15	15
2.	Davis Drain	10	10	10	10	10	10	10	11	11	11	11
3.	Thurman Drain	23	23	23	23	23	23	23	23	23	23	23
4.	Boise Sewer	10	10	10	10	10	10	10	10	10	10	10
5.	Eagle Drain	61	63	62	61	60	59	58	58	58	58	58
6.	South Middleton Drain	71	69	67	65	63	61	60	59	58	57	58
7.	North Middleton Drain	40	39	38	37	35	34	33	32	31	29	29
8.	Hartley Drain	21	21	22	22	22	23	23	23	24	24	24
9.	Phyllis Waste	13	13	12	11	11	10	10	9	9	8	8
10.	Mason Creek	17	16	16	15	14	15	16	18	19	20	22
11.	Mason Drain	107	114	119	124	129	121	113	105	98	111	124
12.	Indian Creek	156	165	176	180	176	198	186	173	180	169	162
	Total	544	558	570	573	568	579	557	536	536	535	544

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1948

JUNE

	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8														
2	12	12	12	12	12	13	13	13	13	13	13	13	13	14
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
1	21	21	21	21	22	22	22	22	22	22	22	22	22	22
1	11	11	11	11	11	11	11	11	11	11	11	11	11	11
3	51	51	51	52	52	52	53	53	53	52	52	51	51	50
3	158	153	148	143	138	133	128	124	120	115	110	105	100	95
2	75	68	61	54	47	39	31	33	35	37	39	41	43	45
5	26	28	29	31	32	34	35	33	31	29	27	25	23	21
3	14	14	14	14	14	14	14	14	14	14	14	14	14	14
8	17	16	15	14	13	12	11	12	13	14	15	16	17	10
8	124	119	113	107	101	95	89	83	82	81	80	79	78	77
7	147	136	130	136	148	141	134	132	127	204	224	219	249	244
8	665	638	614	604	599	575	550	539	530	601	616	605	630	620

JULY

	9	10	11	12	13	14	15	16	17	18	19	20	21	22
8														
6	15	15	15	16	16	16	16	16	16	16	16	16	16	16
1	11	11	11	11	11	11	11	11	12	12	12	12	12	12
3	23	23	23	24	24	24	24	24	24	24	24	24	24	24
0	10	10	10	10	10	10	10	10	10	10	10	10	10	10
9	58	58	58	57	57	57	57	57	56	56	56	56	56	55
9	58	57	58	59	60	61	62	63	64	65	66	67	68	69
1	31	29	29	29	29	29	29	29	28	28	28	28	28	28
3	24	24	24	23	23	23	23	22	22	22	22	21	21	21
9	9	8	8	7	7	6	5	5	6	6	7	7	8	8
9	19	20	22	23	24	26	28	30	29	28	27	26	25	24
9	98	111	124	136	118	100	82	64	68	73	77	82	89	96
1	180	169	162	156	173	148	138	138	150	145	140	148	152	156
9	536	535	544	551	552	511	485	469	485	485	485	497	509	519

530

Chart No. 8-A

18	19	20	21	22	23	24	25	26	27	28	29	30	Total
13	13	13	13	14	14	14	14	14	14	14	15	15	382
9	9	9	9	9	9	9	9	9	9	9	10	10	272
22	22	22	22	22	23	23	23	23	23	23	23	23	651
11	11	11	11	11	10	10	10	10	10	10	10	10	322
52	52	51	51	50	50	49	49	51	53	55	57	59	1623
15	110	105	100	95	90	85	83	81	79	77	75	73	3794
37	39	41	43	45	48	51	49	48	46	45	43	42	1797
29	27	25	23	21	20	19	19	19	20	20	20	21	728
14	14	14	14	14	14	14	14	13	13	13	13	13	405
14	15	16	17	18	19	20	22	21	20	19	18	17	521
81	80	79	78	77	76	74	72	77	82	87	92	97	3059
204	224	219	249	244	238	233	162	168	177	144	111	129	5243
601	616	605	630	620	611	601	526	534	546	516	487	509	18797

18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
16	16	16	16	16	17	17	17	17	17	17	17	17	17	494
12	12	12	12	12	11	11	11	11	10	10	10	10	9	334
24	24	24	24	24	24	24	24	24	24	24	25	25	25	736
10	10	10	10	10	10	9	9	9	9	9	9	9	9	302
56	56	56	56	55	55	55	55	54	53	52	51	50	50	1751
65	66	67	68	69	70	70	71	71	72	72	70	69	66	2022
28	28	28	28	28	28	28	28	28	28	28	27	27	26	938
22	22	21	21	21	21	21	20	20	20	20	20	21	21	676
6	7	7	8	6	9	9	9	10	10	10	10	10	10	273
28	27	26	25	24	23	22	21	20	19	18	18	17	16	652
73	77	82	89	96	104	112	119	113	107	101	93	85	78	3162
45	140	148	152	156	158	152	148	143	140	137	137	179	170	4929
5	485	497	509	519	530	530	532	520	509	498	487	518	497	16269

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3										
2.	Davis Drain	17	17	18	18	18	18	18	18	18	18
3.	Thurman Drain	9	9	9	9	9	9	9	9	9	9
4.	Boise Sewer	25	25	25	25	25	24	24	24	24	24
5.	Eagle Drain	9	9	9	9	9	9	9	9	9	9
		48	46	44	45	47	48	50	51	53	55
6.	South Middleton Drain	64	62	61	60	59	58	57	56	55	54
7.	North Middleton Drain	26	25	24	23	22	21	20	19	18	17
8.	Hartley Drain	21	21	21	22	22	22	22	23	23	23
9.	Phyllis Waste	10	10	10	10	10	9	9	9	9	9
10.	Mason Creek	16	15	15	14	14	14	14	14	14	13
11.	Mason Drain	73	68	63	58	52	52	52	51	51	50
12.	Indian Creek	161	168	172	165	165	159	165	150	162	161
	Total	479	475	471	458	452	443	449	433	445	443

No.	Name of Tributary	1	2	3	4	5	6	7	8	9	10
1.	Drainage District #3										
2.	Davis Drain	12	11	11	11	10	10	10	10	9	9
3.	Thurman Drain	9	9	9	9	9	9	9	9	9	9
4.	Boise Sewer	19	19	19	19	19	19	19	19	19	19
5.	Eagle Drain	9	9	9	9	9	9	9	9	9	9
		50	49	49	48	48	47	47	46	46	45
6.	South Middleton Drain	40	40	40	40	40	39	39	39	39	38
7.	North Middleton Drain	29	29	29	29	28	28	28	28	27	27
8.	Hartley Drain	23	23	23	23	23	23	22	22	22	22
9.	Phyllis Waste	6	6	6	6	6	6	6	6	6	6
10.	Mason Creek	10	10	10	11	12	13	14	16	18	20
11.	Mason Drain	49	48	48	48	48	47	47	47	47	47
12.	Indian Creek	143	137	129	152	162	165	161	154	152	148
	Total	399	390	382	405	414	415	411	405	403	399

TRIBUTARY AND RETURN FLOW TO BOISE RIVER

IRRIGATION SEASON OF 1948

AUGUST

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
8	18	18	17	17	17	17	17	17	16	16	16	16	16	14
9	10	10	10	10	10	10	10	10	10	10	11	11	11	11
4	24	23	23	23	23	23	22	22	22	22	22	21	21	21
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
3	55	57	55	53	52	51	50	49	48	47	47	48	48	49
5	54	53	52	50	48	46	44	42	40	38	36	37	38	39
10	17	16	15	15	16	16	17	17	18	18	19	19	20	22
23	23	23	24	24	24	24	24	23	23	23	23	23	23	24
9	9	9	8	8	8	8	8	7	7	7	7	7	7	7
14	13	13	13	13	13	13	12	12	12	12	12	12	12	11
51	50	50	50	51	51	51	52	52	52	51	51	51	51	50
62	161	159	159	143	154	156	158	156	154	152	150	147	147	147
45	443	440	435	416	425	424	423	416	411	405	403	401	403	404

SEPTEMBER

9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
9	9	9	9	9	9	9	9	9	9	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	8	8	8	8	8	8	8
19	19	18	18	18	18	18	18	18	17	17	17	17	17	17	17
9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9
46	45	45	44	44	43	43	42	42	42	42	41	41	41	41	40
39	38	38	38	37	37	37	36	36	35	35	34	34	33	33	32
27	27	27	26	26	26	25	25	25	25	25	25	24	24	24	24
22	22	22	22	21	21	21	21	21	21	21	21	21	20	20	20
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
18	20	22	24	26	28	30	30	30	27	25	23	21	20	20	20
47	47	47	45	45	45	45	42	42	42	41	41	41	41	41	40
52	148	148	169	158	170	165	163	157	149	142	146	151	144	138	136
103	399	400	419	408	421	417	410	404	390	379	379	381	371	365	360

Chart No. 8-B

19	20	21	22	23	24	25	26	27	28	29	30	31	Total
16	16	16	16	14	14	14	14	13	13	13	12	12	497
10	11	11	11	11	10	10	10	10	10	10	9	9	303
22	22	21	21	21	21	21	20	20	20	20	20	20	695
9	9	9	9	9	9	9	9	9	9	9	9	9	279
47	47	48	48	49	49	50	51	52	52	51	51	50	1547
38	36	37	38	39	40	41	42	42	42	41	41	40	1478
18	19	19	20	22	24	26	28	30	30	30	30	30	671
23	23	23	23	24	24	24	24	24	24	24	24	24	717
7	7	7	7	7	6	6	6	6	6	6	6	6	241
12	12	12	12	11	11	11	11	11	11	11	10	10	389
51	51	51	51	50	50	50	50	49	49	49	49	49	1628
152	150	147	147	147	154	161	160	160	159	159	169	173	4905
405	403	401	403	404	412	423	425	426	425	423	430	432	13350

19	20	21	22	23	24	25	26	27	28	29	30	Total
8	8	8	8	8	8	8	8	8	8	8	8	271
8	8	8	8	8	8	8	8	8	8	8	8	257
17	17	17	17	17	17	16	16	16	16	16	16	531
9	9	9	9	9	9	9	9	9	9	9	9	270
42	41	41	41	41	40	40	40	40	40	40	40	1306
35	34	34	33	33	32	32	31	31	30	30	30	1073
25	25	24	24	24	24	24	23	23	23	23	23	772
21	21	21	20	20	20	20	20	20	20	20	20	639
6	6	6	6	6	6	6	6	6	6	6	6	180
25	23	21	20	20	20	20	20	20	20	20	20	600
41	41	41	41	41	40	40	40	40	40	40	40	1314
142	146	151	144	138	136	135	133	134	132	131	130	4434
379	379	381	371	365	360	358	354	355	352	351	350	11647

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 1948

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	142,452	450,254	452,680	232,162	182,548	126,700
Deliveries to Canals	143,472	492,426	494,748	289,414	237,954	185,500
Tributary Gain	12,332	27,532	37,594	32,538	26,700	23,200
Seepage Gain	-11,312	14,640	4,474	24,714	28,706	35,500
Net Gain	1,020	42,172	42,068	57,252	55,406	58,700

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

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

IRRIGATION SEASON 1948

	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER
Boise River at Diversion Dam	2,374	7,262	7,545	3,744	2,944	2,112
Deliveries to Canals	2,391	7,942	8,246	4,668	3,838	3,092
Tributary Gain	205	444	626	525	431	388
Seepage Gain	-188	236	75	399	463	592
Net Gain	17	680	701	924	894	980

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 1948

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
142,452	450,254	452,680	232,162	182,548	126,710	1,586,806
143,472	492,426	494,748	289,414	237,954	185,506	1,843,520
12,332	27,532	37,594	32,538	26,700	23,294	159,990
-11,312	14,640	4,474	24,714	28,706	35,502	96,724
1,020	42,172	42,068	57,252	55,406	58,796	256,714

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

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

IRRIGATION SEASON 1948

APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
2,374	7,262	7,545	3,744	2,944	2,112	25,981
2,391	7,942	8,246	4,668	3,838	3,092	30,177
205	444	626	525	431	388	2,619
-188	236	75	399	463	592	1,577
17	680	701	924	894	980	4,196

SUMMARY TABLE SHOWING BOISE RIVER AT DIVERSION DAM

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

SECTION 1

1948

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Diversion Dam	232,162	182,548	126,710	541,420
Deliveries to Canals	245,406	204,262	145,320	594,988
Tributary Gain	7,234	6,642	5,270	19,146
Seepage Gain	6,010	15,072	13,340	34,422
Net Gain	13,244	21,714	18,610	53,568

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

1948

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Diversion Dam	3,744	2,944	2,112	8,800
Deliveries to Canals	3,958	3,294	2,422	9,674
Tributary Gain	117	107	88	312
Seepage Gain	97	243	222	562
Net Gain	214	350	310	874

SUMMARY TABLE SHOWING BOISE RIVER AT CALDWELL HIGH LINE

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

SECTION 2

1948

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	1,376	1,282	566	3,224
Deliveries to Canals	46,760	36,256	41,318	124,334
Tributary Gain	25,304	20,058	18,024	63,386
Seepage Gain	20,080	14,916	22,728	57,724
Net Gain	45,384	34,974	40,752	121,110

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

1948

	JULY	AUGUST	SEPTEMBER	TOTAL
Boise River at Caldwell High Line	22	21	10	53
Deliveries to Canals	754	585	689	2,028
Tributary Gain	408	323	300	1,031
Seepage Gain	324	241	379	944
Net Gain	732	564	679	1,975

BOISE VALLEY CANALS AND ACREAGE

Board of Control (New York)			Warm Springs Slough		
New York Irrig. District	17,763		Joplin		4
Boise-Kuna Irrig. District	48,458		Conway & Hamming		25
Nampa & Meridian Irrig. Dist.	40,193		Thos. Aiken		23
Wilder Irrig. District	56,622		Catlin & Mace		49
Big Bend Irrig. District	1,725		Hart & Davis		45
TOTAL BOARD OF CONTROL		164,761 acres	Graham & Gilbert		22
Ridenbaugh		26,747 "	Seven Suckers		5
Penitentiary (excl. of Boise Project)		102 "	Pioneer Irrig. District		34,50
Bubb (So. Boise)		1,057 "	Eureka Water Co.		1,66
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 "	
		7,990
GRAND TOTAL		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

17,763	Warm Springs Slough	441 acres
48,458	Joplin	94 "
40,193	Conway & Hamming	259 "
56,622	Thos. Aiken	236 "
1,725	Catlin & Mace	496 "
	Hart & Davis	453 "
164,761 acres	Graham & Gilbert	220 "
26,747 "	Seven Suckers	58 "
Project) 102 "	Pioneer Irrig. District	34,500 "
1,057 "	Eureka Water Co.	1,666 "
90 "	Franklin & Mason Creek (Caldwell	
500 "	High Line)	3,960 "
159 "	Farmers Coop. Ditch Co.	15,897 "
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 "

RAINAGE WATER (not diverted from Boise River)

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

GRAND TOTAL 7,990 "

334,180 "

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

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

TABLE SHOWING ACRE FEET PER ACRE DIVERTED FROM
BOISE RIVER BY BOISE VALLEY CANALS
1948

	Acres Feet Diverted	Acres Irrigated	Acres Feet Per Acre Diverted
* Board of Control			
Penitentiary	725,750	164,332	4.42
Bubb	2,470	429	5.76
Hidenbaugh	4,090	1,057	3.87
Settlers	121,982	26,747	4.93
Thurman Mill	43,716	12,300	3.55
Consumers	7,642	1,799	5.36
Boise City	5,632	2,500	2.25
Farmers Union & Wise	7,914	1,828	3.33
Boise Valley	32,718	8,900	3.68
New Union	15,208	2,729	5.57
New Dry Creek	3,784	683	5.50
Ballantine	15,442	3,059	5.05
Middleton Canals	4,478	763	5.87
Little Pioneer	41,894	10,040	4.17
Canyon County	8,228	1,280	6.40
Eagle Island Canals	18,170	4,007	4.53
Phyllis	13,056	2,637	4.95
Eureka #1	98,968	23,500	4.21
Caldwell High Line	7,994	1,666	4.80
Farmers Coop.	13,130	3,960	3.31
Canyon (Campbell)	79,448	15,897	5.00
Siebenberg	4,440	802	5.54
Riverside #2	3,158	646	4.89
Pioneer Dixie	69,160	10,645	5.50
Eureka #2	12,978	2,030	6.39
Upper Center Point	20,724	2,670	7.76
Lower Center Point	4,758	641	7.42
Miscellaneous	5,832	830	6.63
	7,338	1,444	5.08
Total	1,412,102	309,882	4.56

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

Name of Canal	Acres Irrigated	1934	1935	1936	1937	1938	Acres Irrigated	1939	1940	1941	1942
Board of Control	166,000	3.13	4.92	4.71	4.19	4.36	164,761	4.09	4.38	4.71	4.0
Penitentiary	429	3.87	5.36	4.66	5.04	4.97	429	4.67	4.07	3.69	3.0
Eubb (So. Boise)	745	5.41	5.55	5.56	5.34	6.34	745	5.74	5.26	6.36	5.0
Ridenbaugh	27,000	4.69	5.00	5.49	4.36	5.90	27,000	5.47	5.51	5.96	5.0
Settlers	12,300	2.77	3.50	3.56	2.97	3.91	12,300	3.52	3.29	3.79	3.5
Thurman Mill	1,858	5.76	5.62	4.74	5.08	5.72	1,858	6.21	5.18	5.06	6.2
Consumers	2,500	3.20	2.57	2.94	2.82	2.75	2,500	3.33	2.73	2.26	2.6
Boise City	1,903	5.53	4.99	4.45	4.60	5.12	1,903	5.23	4.79	5.30	4.8
Farmers Union	8,300	3.48	3.61	3.60	3.53	4.35	8,900	4.17	3.33	4.40	4.27
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
New Union	688	6.00	6.07	6.36	6.46	6.28	688	5.87	5.67	6.66	5.13
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
Ballantine	700	5.38	5.03	4.84	4.70	5.02	700	5.28	5.09	4.64	4.74
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
Middleton Mill	4,400	3.53	4.78	5.06	3.41	4.00	4,400	3.42	3.56	3.31	3.15
Little Pioneer	1,286	6.80	6.98	6.55	6.84	7.59	1,286	6.47	5.48	6.16	5.53
Canyon County	3,790	5.40	5.42	4.72	4.80	4.96	3,790	5.27	4.72	5.36	4.88
#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
Phyllis	23,500	3.62	4.16	4.26	3.55	4.72	23,500	4.17	3.94	4.46	3.98
Eureka Water	1,666	4.58	4.91	4.60	4.39	4.36	1,666	5.05	4.55	5.61	5.04
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
Farmers Coop.	15,500	3.94	4.93	4.72	4.53	6.04	15,500	4.45	4.46	5.08	5.17
Canyon (Campbell)	802	4.46	5.38	5.65	5.34	7.17	802	7.94	4.77	5.33	6.29
Siebenberg	646	3.84	5.02	3.98	4.11	4.12	646	5.05	4.43	4.29	3.25
Riverside #2	10,645	3.65	4.23	4.97	4.15	6.22	10,645	4.55	4.43	5.64	4.90
Pioneer Dixie	2,015	5.06	3.94	4.39	4.01	5.17	2,015	6.57	6.05	5.95	6.73
Eureka #2	2,595	4.87	4.85	3.91	4.19	5.24	2,595	5.88	5.94	5.68	4.97
Upper Center Point	621	3.68	4.87	4.16	4.33	3.95	621	5.59	5.70	6.06	5.78
Lower Center Point	845	4.66	3.56	1.93	3.02	2.88	845	4.67	5.44	5.79	4.97
#Miscellaneous	1,493	5.06	5.06	6.39	4.94	5.62	1,493	5.60	4.59	5.58	5.55
Total	310,353	3.62	4.76	4.69	4.16	4.76	309,114	4.09	4.47	4.89	4.84

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

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

Acreeage 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**

Acres Irrigated	1939	1940	1941	1942	1943	1944	1945	1946	Acres Irrigated	1947	1948
164,761	4.09	4.38	4.71	4.92	5.58	4.63	5.05	4.38	164,332	4.70	4.42
429	4.67	4.07	3.69	3.66	4.81	4.11	3.86	5.16	429	6.54	5.76
745	5.74	5.26	6.36	5.58	6.54	5.82	7.14	6.94	1,057	4.92	3.07
27,000	5.47	5.51	5.96	5.35	5.98	4.67	4.81	5.72	26,747	5.88	4.93
12,300	3.52	3.29	3.79	3.50	4.07	3.26	3.42	3.83	12,300	4.01	3.55
1,858	6.21	5.18	5.06	6.25	4.90	5.20	6.33	4.89	1,799	5.81	5.36
2,500	3.33	2.73	2.26	2.65	2.75	2.36	2.83	2.69	2,500	2.63	2.25
1,903	5.23	4.79	5.30	4.88	5.24	4.70	4.45	4.91	1,828	5.14	3.33
8,900	4.17	3.33	4.40	4.27	4.53	3.56	3.94	4.54	8,900	4.57	3.68
2,729	6.46	5.96	6.41	6.11	5.79	4.98	5.49	6.48	2,729	6.18	5.57
688	5.87	5.67	6.66	5.13	5.66	5.58	5.84	5.79	688	6.36	5.50
2,720	5.61	5.33	6.61	6.53	6.65	6.46	7.39	7.07	3,059	6.14	5.05
700	5.28	5.09	4.64	4.74	5.66	5.16	5.29	5.82	763	6.60	5.87
5,704	5.52	5.89	6.05	5.31	6.77	5.73	5.11	5.02	5,640	4.89	3.81
4,400	3.42	3.56	3.31	3.15	3.81	4.09	3.35	4.34	4,400	4.18	4.46
1,286	6.47	5.48	6.16	5.53	6.22	5.64	7.16	8.21	1,286	8.23	6.40
3,790	5.27	4.72	5.36	4.88	5.27	4.94	5.25	5.37	4,007	5.40	4.53
2,363	5.25	4.34	5.22	5.38	4.82	5.27	5.10	5.83	2,637	5.21	4.95
23,500	4.17	3.94	4.46	3.98	4.98	3.63	3.60	4.59	23,500	4.56	4.21
1,666	5.05	4.55	5.61	5.04	5.01	4.78	4.82	5.00	1,666	5.70	4.80
4,010	5.35	5.23	5.01	4.45	4.39	5.09	5.17	4.70	3,960	4.13	3.31
15,500	4.45	4.46	5.08	5.17	6.32	4.57	5.01	6.01	15,897	5.36	5.00
802	7.94	4.77	5.33	6.29	6.87	5.51	6.44	7.41	802	6.79	5.54
646	5.05	4.43	4.29	3.25	3.56	3.85	3.64	4.11	646	4.40	4.89
10,645	4.55	4.43	5.64	4.90	5.08	3.92	4.58	4.10	10,645	4.74	5.50
2,015	6.57	6.05	5.95	6.73	6.31	7.61	7.43	6.69	2,030	8.09	6.39
2,595	5.88	5.94	5.68	4.97	6.28	4.56	5.71	7.58	2,670	8.88	7.76
621	5.59	5.70	6.06	5.78	6.09	6.64	6.59	7.15	641	6.85	7.42
845	4.67	5.44	5.79	4.97	3.96	5.81	4.48	4.48	880	5.01	6.63
1,493	5.60	4.59	5.58	5.55	5.22	4.71	5.31	5.24	1,444	5.37	5.08
309,114	4.09	4.47	4.89	4.84	5.46	4.51	4.84	4.73	309,882	4.92	4.56

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

avis

revised in 1947.

DIVERTED BY BOISE VALLEY CANALS

SEASON FROM 1934

res
gated 1947 1948

,332 4.70 4.42
429 6.54 5.76
,057 4.92 3.87
,747 5.88 4.93
,300 4.01 3.55

,799 5.81 5.36
,500 2.63 2.25
,828 5.14 3.33
,900 4.57 3.68

,729 6.18 5.57
688 6.36 5.50
,059 6.14 5.05
763 6.60 5.87
,640 4.89 3.81

,400 4.18 4.46
286 8.23 6.40
,007 5.40 4.53
637 5.21 4.95
500 4.56 4.21

666 5.70 4.80
960 4.13 3.31
897 5.36 5.00
802 6.79 5.54
646 4.40 4.89

645 4.74 5.50
030 8.09 6.39
670 8.88 7.76
641 6.85 7.42
880 5.01 6.63

444 5.37 5.08

882 4.92 4.56

gh, Joplin and Seven Suckers

[illegible]

Acre Feet Diverted

1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932
17916	66580	55066	58840	54720	38144	30380	13574	63910	35312	29258
12584	128312	117794	133652	112660	122736	139664	127630	114192	135124	124554
32968	104112	90580	128192	94400	127004	128168	119852	125390	97806	128286
24598	132372	49858	121656	67656	126410	115496	103810	98520	59454	120818
99156	103304	30106	97294	47762	101428	83036	72406	76562	36398	87472
71438	79264	31396	92954	44760	80726	70006	58590	61944	32244	68098
558660	613944	374800	612588	421958	596448	566750	498862	540518	396338	558486

Acre Feet Diverted Per Acre

Average Root Divergence Per Acre										
.16	.59	.49	.52	.48	.34	.27	.12	.57	.31	.26
1.00	1.14	1.04	1.19	1.00	1.09	1.24	1.15	1.01	1.20	1.11
1.18	.93	.80	1.14	.84	1.13	1.14	1.07	1.11	.87	1.14
1.11	1.18	.44	1.08	.60	1.12	1.03	.93	.88	.53	1.07
.88	.91	.26	.86	.42	.90	.73	.65	.68	.32	.78
.63	.70	.28	.65	.40	.71	.62	.52	.55	.29	.60
4.96	5.45	3.31	5.44	3.74	5.29	5.03	4.44	4.80	3.52	4.96

Rate in Miners Inches Per Acre Diverted

Inches Per Acre Inverted										
.13	.15	.21	.43	.40	.28	.22	.10	.47	.25	.21
.81	.92	.87	.99	.83	.90	1.02	.94	.84	.99	.92
.98	.78	.67	.95	.70	.94	.94	.87	.92	.71	.95
.89	.95	.37	.90	.50	.93	.85	.76	.73	.44	.89
.71	.75	.22	.72	.35	.75	.60	.53	.57	.26	.65
.52	.56	.23	.54	.33	.59	.51	.42	.46	.24	.50
.68	.75	.46	.75	.52	.73	.69	.60	.66	.48	.69

Percent During Each Month

[illegible]

IVER BEGINNING 1916

[illegible]

Chart No. 15

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

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

IRRIGATION SEASON OF 1948

CANALS	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
Farmers Union & Wise	318	7,904	7,274	8,164	6,434	2,624	32,718
Boise Valley	300	3,488	3,276	2,836	2,970	2,338	15,208
New Dry Creek	200	3,564	2,856	3,702	2,956	2,164	15,442
New Union	92	786	808	950	714	434	3,784
Ballantine	82	1,080	978	824	866	648	4,478
Little Pioneer	176	1,478	1,748	1,818	1,848	1,160	8,228
Middleton Canals	1,946	10,890	7,134	9,914	6,954	5,056	41,894
Canyon County	192	4,000	3,356	4,470	3,280	2,872	18,170
Totals	3,306	33,190	27,430	32,678	26,022	17,296	139,922

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

SEASON 1948

DRAINS	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
Eagle Drain	946	2,348	3,246	3,502	3,094	2,612	15,748
Star Feeder	218	1,124	1,638	2,370	1,924	1,932	9,206
Watts Check	60	1,852	1,674	1,582	908	1,630	7,706
Long Feeder	44	1,474	1,368	1,434	1,194	1,520	7,034
South Middleton Drain	2,534	5,504	7,588	4,044	2,956	2,146	24,772
North Middleton Drain	1,016	2,626	3,594	1,876	1,342	1,544	11,998
Hartley Drain	310	990	1,456	1,352	1,434	1,278	6,820
Totals	5,128	15,918	20,564	16,160	12,852	12,662	83,284

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

SEASON OF 1948

SUMMARY TABLE

TEMPER	TOTAL	Year	Canal Diversions	Drain Discharge	Used, Retained and Winter Runoff
2,624	32,718	1922	6.38	2.90	3.48
2,338	15,208	1923	6.95	2.99	3.96
2,164	15,442	1924	5.03	2.59	2.44
434	3,784	1925	6.21	2.42	3.79
648	4,478	1926	4.92	1.97	2.95
1,160	8,228	1927	6.28	2.62	3.66
5,056	41,894	1928	6.08	2.78	3.30
2,872	18,170	1929	5.46	2.27	3.19
17,296	139,922	1930	5.97	2.61	3.36
		1931	5.06	1.99	3.07
		1932	5.73	2.36	3.37
		1933	5.09	2.36	2.73
		1934	4.59	2.41	2.18
		1935	4.88	2.27	2.61
		1936	4.86	2.55	2.31
		1937	4.73	2.37	2.36
		1938	5.40	2.84	2.56
		1939	5.26	2.32	2.94
		1940	4.90	2.51	2.39
		1941	5.51	2.80	2.71
		1942	5.14	2.72	2.42
		1943	5.70	3.10	2.60
		1944	5.07	2.49	2.58
		1945	5.21	2.73	2.48
		1946	5.66	2.70	2.96
		1947	5.65	3.26	2.39
		1948	4.82	2.87	1.95

LY FLOW IN ACRE FEET,
DRAINAGE DISTRICT NO. 2

SEASON 1948

SEPTEMBER TOTAL

2,612	15,748	1936	4.86	2.55	2.31
1,932	9,206	1937	4.73	2.37	2.36
1,630	7,706	1938	5.40	2.84	2.56
1,520	7,034	1939	5.26	2.32	2.94
2,146	24,772	1940	4.90	2.51	2.39
1,544	11,998	1941	5.51	2.80	2.71
1,278	6,820	1942	5.14	2.72	2.42
12,662	83,284	1943	5.70	3.10	2.60
		1944	5.07	2.49	2.58
		1945	5.21	2.73	2.48
		1946	5.66	2.70	2.96
		1947	5.65	3.26	2.39
		1948	4.82	2.87	1.95

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

	1914	1915	1916	1917	1918	1919	1920	1921	1922	1923	1924	1925	1926	1927
April														
May														
June														
July	139	122			227	252					243		214	
Aug.	70	130	194	254	270	233	203	285	242		180		137	
Sept.	201	150	199	225	263	248	118	267	239	286	176	328	144	27
Average	123	137	196	242	260	242	178	281	180	344	134	323	209	24
									213	315	183	325	176	260

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

SUMMARY TABLE IN SECOND FEET
SHOWING RETURN FLOW TO BOISE RIVER

RETURN FLOW TO ENTIRE RIVER

1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
650	412	681	304	711	839	467	274	336	423	488	348	212	185	19
228	644	350	638	860	983	600	758	670	1825	1300	724	815	976	3
200	594	1123	588	946	1140	1077	869	694	1243	929	839	1204	1147	6
877	372	935	412	902	706	538	673	386	980	658	515	669	735	9
800	341	799	376	728	552	483	626	345	555	551	374	504	589	5
863	311	880	496	839	698	571	658	384	581	540	454	505	713	4
739	446	794	469	831	820	623	643	469	934	744	542	652	725	4

RETURN FLOW TO SECTION ONE

1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
	243		214											
	180		137		222	137	260	158	336	216	204	257	343	
286	176	328	144	272	187	170	230	157	183	247	110	201	294	
344	134	323	209	247	257	184	262	167	183	177	168	197	377	
315	183	325	176	260	222	164	251	161	234	213	161	218	338	2

RETURN FLOW TO SECTION TWO

1923	1924	1925	1926	1927	1928	1929	1930	1931	1932	1933	1934	1935	1936	1937
	339		343											
	192		275		459	398	414	228	623	409	314	412	438	326
674	165	470	232	455	365	313	395	188	372	325	264	305	329	280
613	177	560	287	592	442	412	396	217	398	361	286	308	376	305
693	218	515	284	524	422	374	401	211	464	365	288	341	381	303

1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
212	185	357	593	259	607	547	558	533	370	287	461	579	17
815	976	685	1355	956	955	1269	1091	491	591	779	872	1098	680
1204	1147	987	1373	875	879	1334	1000	778	1223	972	1028	1265	701
669	735	598	1213	605	637	746	648	885	657	914	895	916	924
504	589	464	753	505	535	746	637	891	589	675	776	742	854
505	713	473	823	660	716	840	681	945	652	697	843	951	980
652	725	594	1016	643	721	914	769	754	680	711	812	925	699

1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
257	343	273		246	213	290	92		139	250	228	331	214
201	294	185	242	221	212	269	227	170	196	186	294	316	350
197	377	168	233	249	222	267	190	219	200	203	198	317	310
218	338	208	238	239	216	275	169	195	178	213	240	321	291

1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948
412	438	326		358	422	479	556		518	664	666	591	732
305	329	280	511	281	323	482	409	567	393	489	529	459	564
308	376	305	590	411	494	578	491	538	452	493	645	657	679
341	381	303	550	350	413	513	485	552	454	549	613	569	658

INTERVENORS - STEWART DECREE
BOISE RIVER

NUMBER	DATE	NAME	CANAL	AMOUNT DECREED		DEPT.
				SEC. FT.	INCHES	FILE
66-A	4-1-1878	J. S. Kraus				
129-A	4-1-1897	H. F. Plain				
66-C	4-1-1878	J. W. Kolander	Ballantine	.80	40	37
66-D	4-1-1878	M. T. Griffith	Dry Creek	.54	27	37
73-A	4-1-1880	Goble & Songer	Ballantine	1.40	70	37
75-A	6-1-1880	C. B. Frank	Ballantine	.80	40	37
136	5-1-1906	H. E. Wymer	Dry Creek	.54	27	37
85-A	6-1-1882	Leo Marsters	Ballantine	.816	40.80	380
137	5-1-1909	B. P. Weaverling	Warm Springs	.356	17.80	325
138	6-14-1912	Wesley A. Mace	Mace & Mace	1.60	80	324
85-C	5-1-1883	Wm. Huckba	Catlin & Mace	1.60	80	294
85-D	5-1-1883	C. H. Schmelzer	Dry Creek	.40	20	293
85-E	5-1-1883	C. W. McClurg	Ballantine	.203	10.15	321
124-A	5-1-1893	W. D. Charters	Dry Creek	.7506	37.53	320
85-B	4-1-1883	Jacob Bingham	" "	.35	17.50	319
77-A	4-15-1882	Roc Helms	Settlers	.75	37.50	318
8-A	4-1-1865	Adolph Bahler	Riverside Irrig. Dist.	1.00	50	317
47-A	4-1-1870	" "	Bahler	3.674	183.70	295
35-A	6-1-1867	Ralph T. Knight	" "	.80	40	412
116-A	6-1-1890	Anna Spencer	Canyon County	.80	40	412
116-B	6-1-1890	Willis B. Spencer	Riverside Irrig. Dist.	1.76	88	419
116-C	6-1-1890	Rebecca Bell	" " "	.72	36	12-A Mis
114-A	5-1-1889	Neil & Patrick O'Donnell	" " "	.10	5	" "
114-B	5-1-1889	Gus A. Barth	O'Donnell & Barth	.40	20	" "
77-A	6-1-1881	" "	" "	1.60	80	466
77-B	6-1-1881	Charles Jurries	Parma Ditch Co.	.80	40	467
77-C	6-1-1881	James Finlay	" " "	1.60	80	467
77-D	6-1-1881	Lester J. Shippy	" " "	.34	17	467
31-A	6-1-1866	Wm. Musser	" " "	.80	40	467
31-B	6-1-1866	Minnie & Jerry Couzens	Lawrence & Kennedy	1.30	65	467
31-C	6-1-1866	Albert C. Bowerman	Middleton Water	2.30	115	482
71-A	4-1-1879	Island Highline Ditch Co.	Lawrence & Kennedy	.60	30	482
137-A	4-1-1910	" " " "		1.10	55	482
139	4-1-1915	" " " "		3.00	150	491
75-A	1880	Albert Lemp et al		7.00	350	491
29-A	1865	Louise Slomonsen	Larsen-Baxter & Lemp	10.00	500	491
8-B	4-1-1865	First Nat. Bank of Pueblo	Lemp Ditch-Eagle Island	3.20	160	496
29-B	1865	S. G. Hardies & Amelia Easley	Bubb	6.00	300	496
51-A	1870	" " " "	Bubb	1.80	90	497
116-A	1889	" " " "	"	.50	25	498
		" " " "	"	1.00	50	498
		" " " "	"	.84	42	498

INTERVENORS - STEWART DECREE
BOISE RIVER

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

TABLE SHOWING CHANGE IN POINT OF DIVERSION OF DEC

No. of Change of Point of Diversion	Point of Diversion		Date of Change	Priority		No. of Acres
	From	To		No.	Date	
3	Eureka No. 2	Eureka No. 2				
9	Pioneer Dixie	Pioneer Dixie	4-2-1912			
29	Caldwell High Line	Canyon County	7-31-1912	96	10-1-87	80
32	Davis	Davis Ditch	8-26-1918			
35	Pioneer Dixie	Riverside	7-15-1919			50
36	Canyon County	Middleton Water	4-3-1919			
38	Hart & Davis	Seven Suckers	4-12-1918	35	6-1-67	160
39	Hart & Davis	Seven Suckers	9-24-1915			
48	Pioneer Dixie	Pioneer Dixie	6-12-1918			
50	Lower Cen. Point	Bowman & Swisher	9-26-18			
51	Lower Cen. Point	Bowman & Swisher	3-31-1920	19	6-1-65	
54	Canyon County	Middleton Mill	3-31-1920	20	6-1-65	
57	Middleton Water	Ballantine	4-24-1920	35	6-1-67	
59	Kennedy	Canyon County	12-2-1920	65	6-1-77	35
61	Kennedy & Lawrence	Middleton Water	3-18-1921	31	6-1-66	
64	Ballantine	Dry Creek	6-22-1921	31-B	6-1-66	
75	Middleton Mill	Canyon County	12-21-1921	102	6-1-88	
76	Settlers	Settlers	11-25-1924			
77	Bubb	Bahler	3-12-1925	85-B	4-1-83	
77	Bubb	Bahler	4-26-1925	8-A	4-1-65	80
83	Warm Springs	Bahler	4-26-1925	47-A	4-1-70	
84	Middleton Water	Settlers	4-29-1926			
85	Upper Cen. Point	Farmers Union	3-9-1926	65	6-1-77	
91	Ballantine	Eureka No. 2	5-7-1926			
103	Parma Ditch	Dry Creek	6-23-1926	103		
126	Lawrence & Kennedy	Parma Ditch	10-3-1928			
127	Bowman & Swisher	Middleton Water	3-25-1931	31-A	6-1-66	
131	Eureka No. 2	Larsen, Baxter & Lamp	8-15-1930		6-1-65	
140	Ballantine	Lower Cen. Point	1-16-32	89	11-9-83	
141	Fischer Power	New Dry Creek	4-23-1934	85-D	5-1-83	
147	Middleton Mill	Fischer Power	12-18-1934		7-9-12	
148	Pioneer Dixie	Canyon County	1-8-1936		6-1-67	
151	New Dry Creek	Upper Cen. Point No. 1	4-17-1936	96	10-1-87	
152	Bahler Ditch	Ballantine	2-10-1937		5-1-93	
153	Rein-Keogh-Bahler	Ridenbaugh	5-15-1937		4-1-70	
154	Bahler Ditch	Ridenbaugh	5-15-1937		5-1-95	
159	Upper Cen. Point	Ridenbaugh	5-15-1937		4-1-65	
161	Ballantine	Eureka No. 2	5-27-1939		6-1-65	
174	Ballantine	New Dry Creek	5-5-1940	103	6-1-88	
175	Riverside	New Dry Creek	3-28-1944	103	6-1-88	
176	Mammon Ditch	Eureka	4-11-1944		6-1-83	
179	Catlin-Mace	Haas Ditch	4-18-1944		6-1-78	
		Seven Suckers	3-31-1945	5)	6-1-64)	
				52)	6-1-71)	

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

Date of Change	Priority		No. of Acres	Quantity in Inches	By Whom
	No.	Date			
4-2-1912	96	10-1-87	80		Thos. T. Johnston
7-31-1912					Albert F. Clemons
8-26-1918					J. C. Hughes
7-15-1919				50	Ed Davis
4-3-1919	35	6-1-67	160	100	Rebecca Bell
4-12-1918				19	Draper & Others
9-24-1915				52	Shafer & Others
6-12-1918					George Rambo
9-26-18	19	6-1-65			Jas. D. Ruark
3-31-1920				144	John S. Swisher
3-31-1920				320	Bird Bowman
4-24-1920				55½	H. G. Dudley
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 Cousens
12-21-1921	102	6-1-88		10	Harry Seavey
11-25-1924	85-B	4-1-83	80	25	Detweed Etc. Bank
3-12-1925				50	Jacob Bingham
4-26-1925				40	Adolph Bahler
4-26-1925				40	Adolph Bahler
4-29-1926	65	6-1-77		36	Leo Marsters
3-9-1926				40	J. C. Ralph
5-7-1926				25	J. C. Bruce
6-23-1926				32½	Ira E. Barber
10-3-1928	103				Charles Jurries
3-25-1931				115	Wm. Musser
8-15-1930				40	Wm. Baxter
1-16-32				35	R. E. McGuire
4-23-1934	89	11-9-83		3	Chas. H. Schmelzer
12-18-1934	85-D	5-1-83			Fischer Power Only
1-8-1936	96	7-9-12		10	Cora M. Clifton
1-8-1936		6-1-67		75	Dora Greer
4-17-1936		10-1-87		6¼	J. H. Cone
2-10-1937		5-1-93		40	Adolph Bahler
5-15-1937		4-1-70		50	Adolph Bahler
5-15-1937		5-1-95		40	Adolph Bahler
5-15-1937		4-1-65		5	Raymond T. Breshears
5-15-1937		6-1-65		32½	Sid Barber
5-27-1939	103	6-1-88		12	Frank M. Ray
5-5-1940	103	6-1-88		85	Wilbur Breshears
3-28-1944	5)	6-1-83		440	Charlottie D. Allen
4-11-1944		6-1-78		12	Idaho Fish & Game Dept.
4-18-1944		6-1-64)			
3-31-1945		6-1-71)			

Quantity in Inches	By Whom	Remarks
50	Thos. T. Johnston	
	Albert F. Clemons	
	J. C. Hughes	
100	Ed Davis	
19	Rebecca Bell	
52	Draper & Others	
	Shafer & Others	
	George Rambo	
144	Jas. D. Ruark	To Indian Creek
320	John S. Swisher	
55½	Bird Bowman	
30	H. G. Dudley	Foots & Wiseman
130	Edward McClintick	
30	W. Kennedy	
10	Minnie Couzens	
25	Harry Seavey	
50	Detweed Etc. Bank	
40	Jacob Bingham	
40	Adolph Bahler	
36	Adolph Bahler	
40	Leo Marsters	
25	J. C. Ralph	
32½	J. C. Bruce	
	Ira E. Barber	
115	Charles Jurries	Not approved by ditch companies
40	Wm. Musser	Secretary
35	Wm. Baxter	
3	R. E. McGuire	
	Chas. H. Schmelzer	
10	Fischer Power Only	Below Fairview Bridge
75	Cora M. Clifton	
6¼	Dora Greer	
40	J. H. Cone	Decreed to Amer. Ditch Assoc.
50	Adolph Bahler	
40	Adolph Bahler	
5	Adolph Bahler	
32½	Raymond T. Breshears	
12	Sid Barber	
85	Frank M. Ray	
440	Wilbur Breshears	
12	Charlottie D. Allen	
	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	3	6-1-64	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	65	6-1-77	2-6-1925	10
370	Boise City	Farmers Union	33	6-1-66	5- -1925	56.2
373	Boise City	Farmers Union	33	6-1-66	3-16-1926	18.7
374	Middleton Water #1	Farmers Union	65	6-1-77	4-26-1926	20
375	Middleton Water	Farmers Union	65	6-1-77	5-6-1926	10
384	Middleton Water	Farmers Union	65	6-1-77	5-6-1926	20
385	Middleton Water	Farmers Union	65	6-1-77	7-8-1926	13.3
386	Middleton Water	Farmers Union	65	6-1-77	7-8-1926	20
387	Middleton Water	Farmers Union	65	6-1-77	7-8-1926	20
391	Middleton Mill	Farmers Union	3)	6-1-64)	8-13-1926	7.5
			54)	6-1-71)		
392	Middleton Water	Ridenbaugh	65	6-1-77	8-21-1926	20
393	Middleton Mill	Farmers Union	3)	6-1-54)	9-15-1926	14.4
393	Middleton Mill	Farmers Union	54)	6-1-71)		
393	Middleton Mill	Farmers Union	120)	6-1-91)		
395	Middleton Water	Farmers Union	65	6-1-77	11-16-1926	25
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	Nampa-Meridian	2	6-1-64	12-31-1934	34.37
595	Jacobs Canal	Settlers	1	6-1-64	9-9-1938	
595	Jacobs Canal	Pioneer Dixie	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

D RIGHTS ON BOISE RIVER

Chart No. 23

Date of Transfer	Quantity in Inches	By Whom Transferred	Remarks
3-16-1909)	15		
3-16-1909)		Walter S. Bruce	
4-19-1909	100		
9-1-1909	605	C. H. Rosenberger	
2-5-1910	10	Wm. M. Messler	Change in point of diversion only
2-4-1910	112	J. E. Moore	
3-18-1910	1475	Barber Lumber Co.	
3-31-1910	210	American Ditch Assn.	Change in point of diversion only
6-7-1910	20	Nichols & Cooper	Change in point of diversion only
11-14-1910	50	J. P. Cleck	
3-14-1911	40	J. A. Cartright	
9-18-1912	25	J. D. Roland	
11-25-1912	60	H. E. Meek	Change in point of diversion only
11-25-1912)	1017	H. L. Randall & Others	
11-25-1912)		H. L. Randall & Others	
6-8-1914	1000		
7-15-1918	432	Boise Fruit Tract Co.	
4-20-1921	17.5	Pioneer Irr. Dist.	Licensed Right Indian Creek
4-20-1921	77	Emma M. Fowler	
2-6-1925	7	John F. Groome	
2-6-1925	7	C. E. White	
2-6-1925	7	Frank Wessel	
5- -1925	10	Carl A. Gish	
3-16-1926	56.2	Nellie B. Whitaker	
4-26-1926	18.7	Henry W. Bartlett	
5-6-1926	20	L. A. Rice	
5-6-1926	10	H. D. Parks	
7-8-1926	20	A. G. Wing	
7-8-1926	13.3	Mary F. Leach	
7-8-1926	20	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.	Palk
4-29-1940	50	W. F. Tracy	
11-12-1942	35	S. E. Smith	
10-18-1943	25	W. W. Howell	Larson Tract
10-18-1943	50	W. W. Howell	Hamming Tract
10-18-1943	25	W. W. Howell	Budge Tract
4-11-1944	30	D. W. Baldwin	
4-29-1946	8	W. W. Howell	Kenneth O. Earl
4-29-1946	6	W. W. Howell	L. R. Fewkes

TRANSFERS OF DECREED RIGHTS ON BOISE RIVER

Number of Transfer	Point of Diversion		Priority		Date of Transfer	Quantity In Inches	
	From	To	No.	Date			
694	Consumers	Settlers	30	5-1-66	4-29-1946	7	
694	Consumers	Settlers	30	5-1-66	4-29-1946	13	
701	Consumers	New York	30	5-1-66	12-20-1946	100	
702	Consumers	Settlers	30	5-1-66	12-20-1946	30	
712	Consumers	Settlers	30	5-1-66	6-14-1947	10	
"	"	"	"	"	"	10	
"	"	"	"	"	"	25	
713	"	New Dry Creek	30	"	6-14-1947	27	
717	Siebenberg	Farmers Coop.	9	6-1-65	11-25-1947	32	
720	Consumers	Settlers	30	5-1-66	5-4-1948	10	
720	"	"	"	"	"	10	
720	"	"	"	"	"	7	
720	"	"	"	"	"	10	
720	"	"	"	"	"	20	
720	"	"	"	"	"	10	

R.
W.

OF DECREED RIGHTS ON BOISE RIVER

Date of Transfer	Quantity In Inches	By Whom Transferred	Remarks
4-29-1946	7	W. W. Howell	O. G. Stark
4-29-1946	13	W. W. Howell	G. W. Kyle
12-20-1946	100	W. W. Howell	Rex Jensen (Boise-Kuna Irrig. Dis.)
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. Esche
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

STEWART DECREE.

No.	Date	Name	Amt. Decreed		No.	Date	Name	Amt. Decreed	
			Sec. Ft.	Inches				Sec. Ft.	Inches
1	6-1-64	Thomas Davis	2.20	110	46	6-1-69	Mason Creek Ditch Co.	37.20	1860
2	6-1-64	Jacobs Canal Co.	20.00	1000	47	6-1-69	T.W. Boone	3.50	175
3	6-1-64	Middleton Mill Ditch	12.80	640	48	6-1-70	W.J. Hamming	2.60	130
4	6-1-64	Thomas Andrews	3.30	165	49	6-1-70	Pioneer Canal	25.72	1286
5	6-1-64	Catlin & Mace	2.86	143	50	6-1-69	Barber Lumber Co.	2.24	112
6	6-1-64	T.C. Catlin	3.30	165	51	6-1-70	Thomas Andrews	1.30	65
7	6-1-64	C.C. Havard	3.30	165	52	6-1-71	Catlin & Mace	7.86	393
8	6-1-64	Pioneer Dixey Ditch Co.	20.00	1000	53	6-1-71	Peter Meeras	1.80	90
9	6-1-65	Seibenberg Ditch Co.	13.42	671	54	6-1-71	Middleton Mill Ditch Co.	33.70	1685
10	6-1-65	Allen K. Webster	1.20	60	55	6-1-72	J.F. Varyan	.70	35
11	6-1-65	J.F. Varyan	.66	33	56	6-1-72	J.F. Varyan	1.40	70
12	6-1-65	Graham & Gilbert	4.40	220	57	6-1-72	Mary C. Davis	4.40	220
13	6-1-65	Eureka Water Co.	33.32	1666	58	6-1-72	Edward K. Hart	3.30	165
14	6-1-65	New Union Ditch Co.	13.76	688	59	6-1-74	J.W. Boone	2.20	110
15	6-1-65	Boise Valley Irrig. Ditch	54.58	2729	60	6-1-75	Farmers Cooperative D. Co.	10.00	500
16	6-1-65	Ridenbaugh & Rossi	9.20	460	61	6-1-76	Edward & Mary Clark	2.30	115
17	6-1-65	Ridenbaugh & Rossi (Penny)	265.80	13290	62	6-1-76	John Cecil	.44	22
18	6-1-65	Denver & Idaho Land Co.	.80	40	63	6-1-77	Thomas Aikens	5.20	260
19	6-1-65	Martha Bowman	2.88	144	64	6-1-77	W.H. Conway	.90	45
20	6-1-65	Bird Bowman	6.40	320	65	6-1-77	Middleton Water Co.	114.08	5704
21	6-1-65	G.W. Gess	2.90	145	66	7-1-77	Perrault & Johnson (Penny)	200.00	10000
22	6-1-65	Robert McGuire	3.20	160	67	5-1-78	Nampa-Meridian Irrig. D.	170.00	8500
23	6-1-65	C.W. Cooper	3.20	160	68	6-1-78	John Mammann	4.20	210
24	6-1-65	J.W. Roland	2.40	120	69	6-1-78	Julia Mammann	3.36	168
25	6-1-65	Draper & Wells	3.94	197	70	6-1-78	Charles Allen	8.80	440
26	6-1-65	Thomas J. Palmer	1.60	80	71	6-1-78	R.H. Stockton	4.40	220
27	6-1-65	Noah W. Palmer	1.58	79	72	6-1-79	New Dry Creek Ditch Co.	31.32	1566
28	6-1-65	J.N. Tucker	7.00	350	73	6-1-79	D. Mumford	4.00	200
29	6-1-65	Thomas Andrews	6.00	300	74	6-1-80	Smith Stockton	1.76	88
30	5-1-66	J. Perrault & R. Johnson	50.00	2500	75	6-1-80	Isaham Toplin	2.40	120
31	6-1-66	William P. Kennedy	2.60	130	76	10-20-80	Joseph Goble	.90	45
32	6-1-66	Manville & Leonard	3.50	175	77	10-29-80	Franklin Ditch Co.	27.60	1380
33	6-1-66	Boise City Canal Co.	38.06	1903	78	6-1-82	Allen K. Webster	.90	45
34	6-1-66	Franklin Ditch Co.	15.40	770	79	6-1-82	Susie Campbell	.60	30
35	6-1-67	Canyon Co. Water Co.	75.80	3790	80	6-1-82	J.T. Barber	1.60	80
36	6-1-68	Martha E. McCarthy	14.10	705	81	6-1-82	Sonora Toplin	3.40	170
37	6-1-68	H.D. & Dora Goodman	3.70	185	82	6-1-82	S.W. Hutchinson	.44	22
38	6-1-68	T.T. Johnson	3.20	160	83	6-1-82	Johnson	.44	22
39	6-1-68	Ross, Allen, Dilley & Ross	8.54	427	84	6-1-82	Andrew J. Toplin	2.86	143
40	6-1-68	S.S. Gray	1.40	70	85	6-1-82	James L. Graham	2.20	110
41	6-1-69	John Mammann	1.80	90	86	6-1-83	Farmers Cooperative Ditch	20.00	1000
42	6-1-69	Isaac Bedal	1.60	80	87	6-1-83	Francis M. Toplin	.90	45
43	6-1-69	Frederick Ode	3.60	180	88	6-1-83	W.A. Black	12.00	600
44	6-1-69	Prior Burnett	8.50	425	89	11-9-83	Eureka Ditch Co. No. 2	21.70	1085
45	6-1-69	Pioneer Dixie Ditch Co.	35.44	1772	90	6-1-84	Pioneer Irrig. District	53.10	2655

* Indicates Rights supplied by return flow to River.

STEWART DECREE.

24.

CHART 24.

No.	Date	Name	Amt. Decreed	
			Sec. Ft.	Inches
46	6-1-69	Mason Creek Ditch Co.	37.20	1860
47	6-1-69	T.W. Boone.	3.50	175
48	6-1-70	W.J. Hamming	2.60	130
49	6-1-70	Pioneer Canal	25.72	1286
50	6-1-69	Barber Lumber Co.	2.24	112
51	6-1-70	Thomas Andrews	1.30	65
52	6-1-71	Catlin & Mace	7.86	393
53	6-1-71	Peter Meeres	1.80	90
54	6-1-71	Middleton Mill Ditch Co.	33.70	1685
55	6-1-72	J.F. Varyan	.70	35
56	6-1-72	J.F. Varyan	1.40	70
57	6-1-72	Mary C. Daris.	4.40	220
58	6-1-72	Edward N. Hart	3.30	165
59	6-1-74	J.W. Boone	2.20	110
60	6-1-75	Farmers Cooperative D. Co.	10.00	500
61	6-1-76	Edward B. Mary Clark.	2.30	115
62	6-1-76	John Cecil	.44	22
63	6-1-77	Thomas Aikens	5.20	260
64	6-1-77	W.H. Conway	.90	45
65	6-1-77	Middleton Water Co.	114.08	5704
66	7-1-77	Perrault & Johnson (New)	200.00	10000
67	5-1-78	Nampa-Meridian Irrig. D.	170.00	8500
68	6-1-78	John Mammion	4.20	210
69	6-1-78	Julia Mammion	3.36	168
70	6-1-78	Charles Allen	8.80	440
71	6-1-78	R.H. Stockton	4.40	220
72	6-1-79	New Dry Creek Ditch Co.	31.32	1566
73	6-1-79	D. Mumford	4.00	200
74	6-1-80	Smith Stockton	1.76	88
75	6-1-80	Isham Joplin	2.40	120
76	10-20-80	Joseph Goble	.90	45
77	10-29-80	Franklin Ditch Co.	27.60	1380
78	6-1-82	Allen V. Webster	.90	45
79	6-1-82	Susie Campbell	.60	30
80	6-1-82	J.T. Barber	1.60	80
81	6-1-82	Sonora Joplin	3.40	170
82	6-1-82	S.W. Hutchinson	.44	22
83	6-1-82	Johnson	.44	22
84	6-1-82	Andrew J. Joplin	2.86	143
85	6-1-82	James L. Graham	2.20	110
86	6-1-83	Farmers Cooperative Ditch	20.00	1000
87	6-1-83	Francis M. Joplin	.90	45
88	6-1-83	W.A. Black	12.00	600
89	11-9-83	Eureka Ditch Co. No. 2.	21.70	1085
90	6-1-84	Pioneer Irrig. District	53.10	2655

No.	Date	Name	Amt. Decreed	
			Sec. Ft.	Inches
91	6-1-84	Riverside Irrig. Dist.	20.00	1000
92	10-17-84	Settlers Canal Co.	99.06	4953
93	6-1-86	New Dry Creek Ditch	15.22	761
94	6-1-86	Thomas Davis	13.40	670
95	1-23-87	W.C. L. & E. Young.	4.00	200
96	10-1-87	American Ditch Assoc.	47.80	2390
97	6-1-88	New Dry Creek Ditch Co.	7.86	393
98	6-1-88	R.V. Linder	4.00	200
99	6-1-88	Leri Smith	1.30	65
100	6-1-88	Charlotte Calhoun	1.40	70
101	6-1-88	Ed. J. Linder	1.46	73
102	6-1-88	Lizzie Everett	1.20	60
103	6-1-88	Jessie Wilson	1.40	70
104	6-1-88	Thomas Andrews	.90	45
105	7-1-88	Farmers Coop. Ditch Co.	56.00	2800
106	8-20-88	Nampa-Meridian Irrig. D.	370.84	18542
107	5-1-89	Chas. S. Miller	.06	3
108	5-1-89	Lommis L. Haseley	.02	1
109	5-1-89	S.B. Utter & C.B. Taylor	2.40	120
110	5-1-89	South Base Mutual Irrig. Co.	6.00	300
111	5-1-89	Estate of J.H. Gallagher	2.94	147
112	5-1-89	Anna H. Fogarty	.05	2
113	5-1-89	Grace Call	.10	5
114	5-1-89	Samuel H. Corfield	.03	1
115	6-1-89	Sonora Joplin	.06	3
116	6-1-89	Sonora Joplin	1.20	60
117	9-1-90	Pioneer Irrig. District	200.00	10000
118	6-1-91	W.H. Conway	2.20	110
119	6-1-91	Thomas Davis	.54	27
120	6-1-91	Middleton Mill Ditch Co.	170.00	8500
121	6-1-91	Thomas Andrews	3.50	175
122	6-1-91	Settlers Canal Co.	73.44	3672
123	6-1-91	Thomas Aikens	.80	40
124	5-1-93	Riverside Irrig. District	80.00	4000
125	6-1-94	R.H. Stockton	1.76	88
126	7-2-94	Farmers Union Ditch Co.	110.00	5500
127	5-1-95	Charles Rein & Jane Nash.	1.00	50
128	7-1-95	Mathew Casey	.66	33
129	7-1-96	Farmers Coop. Ditch Co.	83.50	4175
130	10-1-99	Riverside Irrig. District	20.00	1000
131	3-23-00	New York Canal Co.	219.10	10955
132	5-17-00	Canyon Ditch Co.	10.00	500
133	6-1-01	Riverside Irrig. District	70.00	3500
134	10-25-01	Canyon Ditch Co.	5.54	277
135	4-1-04	Pioneer Irrig. District	56.34	2817

* Indicates Rights supplied by return flow to River.

H.S. Tallman
Irrig. Eng.

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

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

RYAN DECREES GROUPED UNDER CANAL HEADINGS

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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors Stewart Decree		Bryan Decree	Amount De
			No.	Date					
Davis			94	6-1-1886	13.40				
Little Davis			119	6-1-1891	.54				
Settlers			92	10-17-1884	99.06				
			122	6-1-1891	73.44				
		347	3	6-1-1864	.14				
		349	3	6-1-1864	.14				
		350	3	6-1-1864	.14				
		357	65	6-1-1877	.20				
		412	81	6-1-1882	.40				
	76		85-B	4-1-1883			1.00		
	83		85-A	6-1-1882			.72		
		430	65	6-1-1877	.25				
		595	1	6-1-1864					
		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				
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*				

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

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

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Intervenors		Amount Decr
			No.	Date		Stewart Decree	Bryan Decree	
Penitentiary	46		50	6-1-1866	2.24			
Cruzen (Consumers)								
			30	5-1-1866	50.00			
		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*			
		701*	30	5-1-1866	2.00*			
		702*	30	5-1-1866	.60*			
		712*	30	5-1-1866	.20*			
		712*	30	5-1-1866	.20*			
		712*	30	5-1-1866	.50*			
		713*	30	5-1-1866	.54*			
		720*	30	5-1-1866	1.34*			
Boise City			33	6-1-1866	38.06			
		370*	33	6-1-1866	1.124*			190
		373*	33	6-1-1866	.374*			5
								1
Farmers Union			126	7-2-1894	110.00			5500
		136	2	6-1-1864	20.00			1000
		370	33	6-1-1866	1.124			56.
		373	33	6-1-1866	.374			18.
		374	65	6-1-1877	.40			20
		375	65	6-1-1877	.20			10
		384	65	6-1-1877	.40			20
		385	65	6-1-1877	.266			13.3
		386	65	6-1-1877	.40			20
		387	65	6-1-1877	.40			20
		391	3)	6-1-1864				
		391	54)	6-1-1871	.15			7.5
		393	3	6-1-1864)				
		393	54	6-1-1871)	.288			14.4
		393	120	6-1-1891)				
		395	65	6-1-1877	.50			25
		430*	65	6-1-1877	.25*			12.5*
			65	6-1-1877	.80			40
	84	512	1	6-1-1864	1.00			50
		513	1	6-1-1864	.50			25
		530	1	6-1-1864	.30			15
				7-2-1894				
						54.46	2723	

*Subtract

Chart No. 25-B

Transfer	Priority		Stewart Decree	Intervenors		Amount Decreed		Total Sec. Ft.
	No.	Date		Stewart Decree	Bryan Decree	Inches		
	50	6-1-1866	2.24			112	2.24	
4*	30	5-1-1866	50.00			2500		
4*	30	5-1-1866	.50*			25*		
4*	30	5-1-1866	1.00*			50*		
4*	30	5-1-1866	.50*			25*		
4*	30	5-1-1866	.16*			8*		
4*	30	5-1-1866	.12*			6*		
4*	30	5-1-1866	.14*			7*		
01*	30	5-1-1866	.26*			13*		
02*	30	5-1-1866	2.00*			100*		
12*	30	5-1-1866	.60*			30*		
12*	30	5-1-1866	.20*			10*		
12*	30	5-1-1866	.20*			10*		
13*	30	5-1-1866	.50*			25*		
20*	30	5-1-1866	.54*			27*	43.28	
			1.34*			67*	41.94	
70*	33	6-1-1866	38.06			1903		
73*	33	6-1-1866	1.124*			56.2*		
	33	6-1-1866	.374*			18.7*	36.562	
36	126	7-2-1894	110.00			5500		
70	2	6-1-1864	20.00			1000		
73	33	6-1-1866	1.124			56.2		
74	33	6-1-1866	.374			18.7		
75	65	6-1-1877	.40			20		
84	65	6-1-1877	.20			10		
85	65	6-1-1877	.40			20		
86	65	6-1-1877	.266			13.3		
87	65	6-1-1877	.40			20		
91	3)	6-1-1864				20		
91	54)	6-1-1871	.15			7.5		
93	3	6-1-1864)						
93	54	6-1-1871)	.288			14.4		
93	120	6-1-1891)						
95	65	6-1-1877	.50			25		
430*	65	6-1-1877	.25*			12.5*		
	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	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	
		73-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		.75	
	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		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
	57	65	6-1-1877	.60		30
	64*	102	6-1-1888	.20*		10*
140*		85-D	5-1-1883		.06*	3*
151		124-A	5-1-1893		.135	6.75
161*		103	6-1-1888	.65*		32.5*
174*		103	6-1-1888	.24*		12*

*Subtract

D BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Refer	Priority		Amount Decreed			Inches	Total Sec. Ft.
	No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree		
	15	6-1-1865	54.58			2729	54.58
	14	6-1-1865	13.76			688	13.76
	72	6-1-1879	31.32			1566	
	93	6-1-1886	15.22			761	
	97	6-1-1888	7.86			393	
	129-A	4-1-1897		.54		27	
	75-A	4-1-1880		.54		27	
	75-A	6-1-1880		.816		40.8	
	85-C	5-1-1883		.203		10.15	
	85-E	5-1-1883		.35		17.5	
	124-A	5-1-1893		.75		37.5	
00	3	6-1-1864)					
00	54	6-1-1871)	.35			17.5	
00	120	6-1-1891)					
01	3)	6-1-1864					
01	54)	6-1-1871	1.54			77	
01	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	
713	30	5-1-1866	.54			27	61.044
	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

Chart

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

*Subtract

AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Transfer	Priority		Amount Decreed				Total Sec. Ft.
	No.	Date	Stewart Decree	Intervenors Stewart Decree	Bryan Decree	Inches	
	65	6-1-1877	114.08			5704	
	35	6-1-1867	.38			19	
	65	6-1-1877	.60*			30*	
	31-B	6-1-1866		.60		30	
	65	6-1-1877	.80*			40*	
	31-A	6-1-1866		2.30		115	
357*	65	6-1-1877	.20*			10*	
374*	65	6-1-1877	.40*			20*	
375*	65	6-1-1877	.20*			10*	
384*	65	6-1-1877	.40*			20*	
385*	65	6-1-1877	.266*			13.3*	
386*	65	6-1-1877	.40*			20*	
387*	65	6-1-1877	.40*			20*	
392*	65	6-1-1877	.40*			20*	
395*	65	6-1-1877	.50*			25*	112.794
	3	6-1-1864	12.80			640	
	40	6-1-1868	1.40			70	
	54	6-1-1871	33.70			1685	
	120	6-1-1891	17.00			850	
	35	6-1-1867	1.11			55.5	
			.50*			25*	
			.20*			10*	
300*	3)	6-1-1864				17.5*	
300*	54)	6-1-1871	.35*				
300*	120)	6-1-1891					
301*	3	6-1-1864)				77*	
301*	54	6-1-1871)	1.54*				
301*	120	6-1-1891)				7*	
347*	3	6-1-1864	.14*			7*	
349*	3	6-1-1864	.14*			7*	
350*	3	6-1-1864	.14*				
391*	3	6-1-1864)				7.5*	
391*	54	6-1-1871)	.15*				
393*	3)	6-1-1864				14.4*	
393*	54)	6-1-1871	.288*				62.462
393*	120)	6-1-1891					
	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		Amount Dec
			No.	Date		Stewart Decree	Bryan Decree	
Canyon County			35	6-1-1867	75.80			
			35-A	6-1-1867			1.76	
	29				1.00			
	36*		35	6-1-1867	.38*			
	54*		35	6-1-1867	1.11*			
	59		31	6-1-1866	2.60			
	75				.50			
	147		35	6-1-1867	.20			
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			
			52	6-1-1871	7.86			
	179*		5)	6-1-1864				
			52)	6-1-1871	.24*			
			138	6-14-1912			.40	
Mace & Mace			137	5-1-1909			1.60	
Hart & Davis			6	6-1-1864	3.30			
			57	6-1-1872	4.40			
			58	6-1-1872	3.30			
	38*				1.04*			
	39*							
Graham & Gilbert			12	6-1-1865	4.40			
Warm Springs Slough			61	6-1-1876	2.30			
			80	6-1-1882	1.60			
			82	6-1-1882	.44			
			83	6-1-1882	.44			
			84	6-1-1882	1.36			
			85	6-1-1882	2.20			
			85-A	6-1-1882			1.60	
			85-A	6-1-1882			.72*	
	83*							

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-E

Transfer	Priority		Stewart Decree	Intervenors		Inches	Total Sec. Ft.
	No.	Date		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		Amount De
			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					1.04		
	39							
	179		5)	6-1-1864	.24			
			52)	6-1-1871				
Phyllis			90	6-1-1884	53.10			
			117	9-1-1890	200.00			
			135	4-1-1904	56.34			
				4-1-1905				306.56
				4-1-1908				54.50
Eureka No. 1			13	6-1-1865	33.32			
Caldwell High Line			34	6-1-1866	15.40			
			46	6-1-1869	37.20			
			77	10-29-1880	27.60			
	29*				1.00*			
Farmers Coop. Ditch			60	6-1-1875	10.00			
			86	6-1-1883	20.00			
			105	7-1-1888	50.00			
			129	7-1-1896	83.50			
				4-1-1905				154.45
		717	9	6-1-1865	.64			
Canyon Ditch Co.			132	5-17-1900	10.00			
			134	10-25-1901	5.54			
	38		96	10-1-1887	12.10			
	105		9	6-1-1865	.50			
Siebenberg			9	6-1-1865	13.42			
	105*		9	6-1-1865	.50*			
	717*		9	6-1-1865	.64*			

*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	
	81	6-1-1882	.80			40	
	115	6-1-1889	.06			3	
	116	6-1-1889	1.20			60	2.06
			1.04			52	
	5)	6-1-1864	.24			12	1.28
	52)	6-1-1871					
	90	6-1-1884	53.10			2655	
	117	9-1-1890	200.00			10000	
	135	4-1-1904	56.34			2817	
		4-1-1905			306.56	15328	
		4-1-1908			54.50	2725	670.50
	13	6-1-1865	33.32			1666	33.32
	34	6-1-1866	15.40			770	
	46	6-1-1869	37.20			1860	
	77	10-29-1880	27.60			1380	
			1.00*			50*	80.20
	60	6-1-1875	10.00			500	
	86	6-1-1883	20.00			1000	
	105	7-1-1888	50.00			2500	
	129	7-1-1896	83.50			4175	
		4-1-1905			154.45	7722	
717	9	6-1-1865	.64			32	318.59
	132	5-17-1900	10.00			500	
	134	10-25-1901	5.54			277	
38	96	10-1-1887	12.10			605	
105	9	6-1-1865	.50			25	28.14
	9	6-1-1865	13.42			671	
105*	9	6-1-1865	.50*			25*	
717*	9	6-1-1865	.64*			32*	12.28

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

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

*Subtract

ART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Chart No. 25-G

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

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	
Upper Center Point			23	6-1-1865				
			24	6-1-1865	3.20			
			25	6-1-1865	2.40			
			26	6-1-1865	3.94			
			27	6-1-1865	1.60			
			27	6-1-1865	1.58			
		71*	24	6-1-1865	.80*			
	85*			6-1-1865	.50*			
	148		96	10-1-1887	1.50			
	159*			6-1-1865	.10*			
Lower Center Point			19	6-1-1865	2.88			
			20	6-1-1865	6.40			
			21	6-1-1865	2.90			
			22	6-1-1865	3.20			
			38	6-1-1868	3.20			
			43	6-1-1869	3.60			
			73	6-1-1879	4.00			
	50*		19	6-1-1865	2.88*			
	51*		20	6-1-1865	6.40*			
	131		89	11-9-1883	.70			
Bowman & Swisher	50		19	6-1-1865	2.88			
	51		20	6-1-1865	6.40			
	127*		20	6-1-1865	.80*			
Mammon			41	6-1-1869	1.80			
			68	6-1-1878	4.20			
			69	6-1-1878	3.36			
			70	6-1-1878	8.80			
	176*		70	6-1-1878	8.80*			
Haas Ditch			39	6-1-1868	8.54			
	176		70	6-1-1878	8.80			
Island High Line			71-A	4-1-1879		3.00		
			137-A	4-1-1910		7.00		
			139	4-1-1915		10.00		

*Subtract

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

e in f D.	Transfer	Priority		Stewart Decree	Amount Decreed			Total Sec. Ft.
		No.	Date		Intervenors Stewart Decree	Bryan Decree	Inches	
		23	6-1-1865	3.20			160	
		24	6-1-1865	2.40			120	
		25	6-1-1865	3.94			197	
		26	6-1-1865	1.60			80	
	71*	27	6-1-1865	1.58			79	
5*		24	6-1-1865	.80*			40*	
8			6-1-1865	.50*			25*	
9*		96	10-1-1887	1.50			75	
			6-1-1865	.10*			5*	12.82
		19	6-1-1865	2.88			144	
		20	6-1-1865	6.40			320	
		21	6-1-1865	2.90			145	
		22	6-1-1865	3.20			160	
		38	6-1-1868	3.20			160	
		43	6-1-1869	3.60			180	
0*		73	6-1-1879	4.00			200	
1*		19	6-1-1865	2.88*			144*	
61		20	6-1-1865	6.40*			320*	
		89	11-9-1883	.70			35	17.60
50		19	6-1-1865	2.88			144	
51		20	6-1-1865	6.40			320	
27*		20	6-1-1865	.80*			40	8.48
		41	6-1-1869	1.80			90	
		68	6-1-1878	4.20			210	
		69	6-1-1878	3.36			168	
76*		70	6-1-1878	8.80			440	
		70	6-1-1878	8.80*			440*	9.36
		39	6-1-1868	8.54			427	
76		70	6-1-1878	8.80			440	17.34
		71-A	4-1-1879		3.00		150	
		137-A	4-1-1910		7.00		350	
		139	4-1-1915		10.00		500	20.00

STEWART AND BRYAN DECREES GROUPED UNDER CANAL HEADINGS

Name of Canal	Change in P. of D.	Transfer	Priority		Stewart Decree	Amount Decreed	
			No.	Date		Intervenors Stewart Decree	Bryan Decree
Larsen-Baxter-Lemp			75-A 20	1880 6-1-1865	.80	3.20	
Boone Ditch			28 47 59	6-1-1865 6-1-1869 6-1-1874	7.00 3.50 2.20		
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		16 30 42 6 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

in D.	Transfer	Priority		Stewart Decree	Amount Decreed		Inches	Total Sec. Ft.
		No.	Date		Intervenors Stewart Decree	Bryan Decree		
		75-A	1880		3.20		160	
		20	6-1-1865	.80			40	4.00
		28	6-1-1865	7.00			350	
		47	6-1-1869	3.50			175	
		59	6-1-1874	2.20			110	12.70
		4	6-1-1864	3.30			165	
		29	6-1-1865	6.00			300	
		44	6-1-1869	8.50			425	
		51	6-1-1870	1.30			65	
		104	6-1-1888	.90			45	
		121	6-1-1891	3.50			175	23.50
		71	6-1-1878	4.40			220	
		74	6-1-1880	1.76			88	
		125	6-1-1894	1.76			88	
		77-A	6-1-1881		1.60		80	
		77-B	6-1-1881		.34		17	
		77-C	6-1-1881		.80		40	
		77-D	6-1-1881		1.30		65	11.96
		114-A	5-1-1889		1.60		80	
		114-B	5-1-1889		.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>	<u>Flow Necessary To Fill to 100%</u>
1	Thomas Davis	1	2.20	1.65	1.32			
2	Jacobs Canal Co.*	1	20.00	20.00	20.00		1152.58	
3	Middleton Mill Ditch Co.	1	12.80	9.60	7.68			
4	Thomas Andrews	3	3.30	2.47	1.98		1154.50	
5	Catlin & Mace	1	2.86	2.15	1.71			
6	T. C. Catlin	1	3.30	2.47	1.98		1154.93	
7	C. C. Havird	1	3.30	2.47	1.98		1155.43	
8	Pioneer Dixie Ditch Co.	2	20.00	15.00	12.00		1155.93	
8A	Adolph Bahler	1	.80	.60	.48			
8B	First Nat'l. Bank of Pueblo	1	1.80	1.35	1.08		1156.05	
9	Siebenberg	2	13.42	10.07	8.05		1156.32	
10	Allen V. Webster	1	1.20	.90	.72		1156.50	
11	J. F. Yaryan	1	.66	.49	.40		1156.60	
12	Graham & Gilbert	1	4.40	3.30	2.64		1157.26	
13	Eureka Water Co.	1	33.32	24.99	19.99		1162.26	
14	New Union Ditch Co.	1	13.76	10.32	8.26		1164.32	
15	Boise Valley Irrigation Co.	1	54.58	40.94	32.75		1172.51	
16	Ridenbaugh & Rossi	1	9.20	6.90	5.52		1173.89	
17	Ridenbaugh & Rossi (Power)	1						
18	Denver & Idaho Land Co.	1	.80	.60	.48		1174.01	
19	Martha Bowman	2	2.88	2.16	1.73			
20	Bird Bowman	2	6.40	4.80	3.84			
21	G. W. Gess	2	2.90	2.18	1.74			
22	Robert McGuire	2	3.20	2.40	1.92			
23	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 Slomson	1	6.00	4.50	3.60		1174.91	
29B	S. G. Hardies & Amelia Easley	1	.50	.38	.30		1174.99	
30	J. Perrault & R. Johnson*	1	50.00	50.00	50.00			
31	William P. Kennedy	1	2.60	1.95	1.56		1175.38	
31A	Wm. Musser	1	2.30	1.73	1.38		1175.73	
31B	Minnie & Jerry Couzens	1	.60	.45	.36		1175.82	
31C	Albert C. Bowerman	1	1.10	.83	.66		1175.99	
32	Manville & Leonard	1	3.50	2.63	2.10		1176.51	
33	Boise City Canal Co.	1	38.06	28.55	22.83	22.83	1182.22	
34	Franklin Ditch Co.	1	15.40	11.55	9.24	32.07	1184.53	
35	Canyon County Water Co.	1	75.80	56.85	45.48	77.55	1195.90	
35A	Ralph T. Knight	1	1.76	1.32	1.06	78.61	1196.16	
36	Martha E. McCarthy	1	14.10	10.58	8.46	87.07	1198.28	

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

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

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

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

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

<u>No.</u>	<u>Name</u>	<u>River Section</u>	<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necess To Fill to</u>
37	H. D. & Dora Goodman	1	3.70	2.78	2.22		1198.84
38	T. T. Johnson	2	3.20	2.40	1.92		
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 Easley	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	1266.9
73	D. Mumford	2	4.00	3.00	2.40		

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

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

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

<u>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 Nec To Fill</u>
73A	Goble & Songer	1	.54	.41	.32	361.86	126
74	Smith Stockton	3	1.76	1.32	1.06		
75	Isham Joplin	1	2.40	1.80	1.44	363.30	126
75A	C. B. Frank	1	.816	.61	.49	363.79	126
75A	Albert Lemp et al	3	3.20	2.40	1.92		
76	Joseph Goble	1	.90	.68	.54	364.33	126
77	Franklin Ditch Co.	1	27.60	20.75	16.56	380.89	127
77A	Gus A. Barth	3	1.60	1.20	.96		
77B	Charles Jurries	3	.34	.26	.20		
77C	James Finlay	3	.80	.60	.48		
77D	Lester J. Shippy	3	1.30	.98	.78		
77E	Roc Helms	2	3.674	2.76	2.20		
78	Allen V. Webster	1	.90	.68	.54	381.43	127
79	Susie Campbell	1	.60	.45	.36	381.79	127
80	J. T. Barber	1	1.60	1.20	.96	382.75	127
81	Sonora Joplin	1	3.40	2.55	2.04	384.79	127
82	S. W. Hutchinson	1	.44	.33	.26	385.05	127
83	Johnson	1	.44	.33	.26	385.31	127
84	Andrew J. Joplin	1	2.86	2.15	1.72	387.03	127
85	James L. Graham	1	2.20	1.65	1.32	388.35	127
85A	Leo Marsters	1	1.60	1.20	.96	389.31	127
85B	Jacob Bingham	1	1.00	.75	.60	389.91	127
85C	Wm. Huckba	1	.203	.15	.12	390.03	127
85D	C. H. Schmelzer	1	.7506	.56	.45	390.48	127
85E	C. W. McClurg	1	.35	.26	.21	390.69	127
86	Farmers Coop. Ditch	2	20.00	15.00	12.00		
87	Francis M. Joplin	1	.90	.68	.54	391.23	127
88	W. A. Black	2	12.00	9.00	7.20		
89	Eureka Ditch Co. No. 2	2	21.70	16.28	13.02		
90	Pioneer Irrigation Dist.	1	53.10	39.83	31.86	423.09	128
91	Riverside Irrig. Dist.	2	20.00	15.00	12.00		
92	Settlers Canal Co.	1	99.06	74.30	59.44	482.53	129
93	New Dry Creek Co.	1	15.22	11.42	9.13	491.66	129
94	Thomas Davis	1	13.40	10.05	8.04	499.70	130
95	Wm. E., L. & E. Young	2	4.00	3.00	2.40		
96	American Ditch Assoc.	2	47.80	35.85	28.68		
97	New Dry Creek Ditch	1	7.86	5.90	4.72	504.42	130
98	A. V. Linder	1	4.00	3.00	2.40	506.82	130
99	Levi Smith	1	1.30	.98	.78	507.60	130
100	Charlotte Calhoun	1	1.40	1.05	.84	508.44	130
101	Ed J. Linder	1	1.46	1.10	.88	509.32	130
102	Lizzie Everett	1	1.20	.90	.72	510.04	130
103	Jessie Wilson	1	1.40	1.05	.84	510.88	130
104	Thomas Andrews	3	.90	.68	.54		

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

<u>100% of Decree</u>	<u>75% of Decree</u>	<u>60% of Decree</u>	<u>Flow Necessary To Fill to 60%</u>	<u>Flow Necessary To Fill to 75%</u>	<u>Flow Necessary To Fill to 100%</u>
.54	.41	.32	361.86	1267.02	1685.33
1.76	1.32	1.06			
2.40	1.80	1.44	363.30	1267.38	1685.93
.816	.61	.49	363.79	1267.50	1686.13
3.20	2.40	1.92			
.90	.68	.54	364.33	1267.64	1686.36
27.60	20.75	16.56	380.89	1271.78	1693.26
1.60	1.20	.96			
.34	.26	.20			
.80	.60	.48			
1.30	.98	.78			
3.674	2.76	2.20			1694.18
.90	.68	.54	381.43	1271.92	1694.41
.60	.45	.36	381.79	1272.01	1694.56
1.60	1.20	.96	382.75	1272.25	1694.96
3.40	2.55	2.04	384.79	1272.76	1695.81
.44	.33	.26	385.05	1272.83	1695.92
.44	.33	.26	385.31	1272.90	1696.03
2.86	2.15	1.72	387.03	1273.33	1696.75
2.20	1.65	1.32	388.35	1273.66	1697.30
1.60	1.20	.96	389.31	1273.90	1697.70
1.00	.75	.60	389.91	1274.05	1697.95
.203	.15	.12	390.03	1274.08	1698.00
.7506	.56	.45	390.48	1274.19	1698.19
.35	.26	.21	390.69	1274.24	1698.28
20.00	15.00	12.00			1703.28
.90	.68	.54	391.23	1274.40	1703.51
12.00	9.00	7.20			1706.51
21.70	16.28	13.02			1711.94
53.10	39.83	31.86	423.09	1282.35	1725.22
20.00	15.00	12.00			1730.22
99.06	74.30	59.44	482.53	1297.21	1754.99
15.22	11.42	9.13	491.66	1299.49	1758.80
13.40	10.05	8.04	499.70	1301.50	1761.15
4.00	3.00	2.40			1763.15
47.80	35.85	28.68			1775.10
7.86	5.90	4.72	504.42	1302.68	1777.07
4.00	3.00	2.40	506.82	1303.28	1778.07
1.30	.98	.78	507.60	1303.48	1778.40
1.40	1.05	.84	508.44	1303.69	1778.75
1.46	1.10	.88	509.32	1303.91	1779.12
1.20	.90	.72	510.04	1304.09	1779.42
1.40	1.05	.84	510.88	1304.30	1779.77
.90	.68	.54			

TABLE SHOWING DECREED RIGHTS (STEWART DECREE) & FLOW IN SECOND FE
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 To Fi</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	
107	Charles S. Miller	1	.06	.05	.04	733.42	
108	Lammis L. Hosley	1	.02	.015	.01	733.43	
109	S. J. Utter, & C. B. Taylor	1	2.40	1.80	1.44	734.87	
110	South Boise Mutual Irr. Co.	1	6.00	4.50	3.60	738.47	
111	Estate of J. H. Gallagher	1	2.94	2.21	1.76	740.23	
112	Anna H. Fogarty	1	.05	.04	.03	740.26	
113	Grace Call	1	.10	.08	.06	740.32	
114	Samuel H. Canfield	1	.03	.02	.02	740.34	
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	13
116	Sonora Joplin	1	1.20	.90	.72	741.10	13
116A	S. G. Hardies & Amelia Eisley	1	.84	.63	.50	741.60	13
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	139
118	W. H. Conway	1	2.20	1.65	1.32	862.92	139
119	Thomas Davis	1	.54	.41	.32	863.24	139
120	Middleton Mill Ditch	1	17.00	12.75	10.20	873.44	139
121	Thomas Andrews	3	3.50	2.63	2.10		
122	Settlers Canal Co.	1	73.44	55.08	44.06	917.50	140
123	Thomas Aiken	1	.80	.60	.48	917.98	140
124	Riverside Irr. Dist.	2	80.00	60.00	48.00		
124A	W. D. Charters	1	1.00	.75	.60	918.58	140
125	R. H. Stockton	3	1.76	1.32	1.06		
126	Farmers Union Ditch	1	110.00	82.50	66.00	984.58	142
127	Charles Rein & James Keogh	1	1.00	.75	.60	985.18	142
128	Mathew Casey	1	.66	.50	.40	985.58	142
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	145
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	146
136	H. E. Wimer	1	.356	.27	.21	1151.05	146
137	B. P. Weaverling	1	1.60	1.20	.96	1152.01	146
137A	Island Highline Ditch Co.	3	7.00	5.25	4.20		
138	Wesley A. Mace	1	.40	.30	.24	1152.25	146
139	Island Highline Ditch Co.	3	10.00	7.50	6.00		

(See Notes in front of report for further explanations)

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%
t. 2	50.00	37.50	30.00			
1	370.84	278.13	222.50			1797.27
1	.06	.05	.04	733.38	1359.93	1884.98
1	.02	.015	.01	733.42	1359.93	1885.00
ylor 1	2.40	1.80	1.44	733.43	1359.93	1885.00
Co. 1	6.00	4.50	3.60	734.87	1360.29	1885.60
er 1	2.94	2.21	1.76	738.17	1361.19	1887.10
1	.05	.04	.03	740.23	1361.63	1887.84
1	.10	.08	.06	740.26	1361.63	1887.85
1	.03	.02	.02	740.32	1361.64	1887.88
3	1.60	1.20	.96	740.34	1361.64	1887.88
3	.80	.60	.48			
1	.06	.05	.04	740.38		
Eisley 1	1.20	.90	.72	741.10	1361.64	1887.90
2	.84	.63	.50	741.60	1361.82	1888.20
2	.72	.54	.43		1361.95	1888.41
2	.10	.08	.06			1888.59
2	.40	.30	.24			1888.62
1	200.00	150.00	120.00	861.60		1888.72
1	2.20	1.65	1.32	862.92	1391.97	1938.72
1	.54	.41	.32	863.24	1392.28	1939.27
1	17.00	12.75	10.20	873.44	1392.36	1939.41
3	3.50	2.63	2.10		1394.91	1943.66
1	73.44	55.08	44.06	917.50		
1	.80	.60	.48	917.98	1405.93	1962.02
2	80.00	60.00	48.00		1406.05	1962.22
1	1.00	.75	.60	918.58		1982.22
3	1.76	1.32	1.06		1406.20	1982.47
1	110.00	82.50	66.00	984.58		
1	1.00	.75	.60	985.18	1422.70	2009.97
1	.66	.50	.40	985.58	1422.85	2010.22
2	83.50	62.63	50.10		1422.95	2010.39
2	20.00	15.00	12.00			2031.27
1	219.10	164.33	131.46	1117.04		2036.27
2	10.00	7.50	6.00		1455.82	2091.05
2	70.00	52.50	42.00			2093.55
2	5.54	4.16	3.32			2111.05
1	56.34	42.26	33.80	1150.84		2112.44
1	.356	.27	.21	1151.05	1464.27	2126.53
1	1.60	1.20	.96	1152.01	1464.32	2126.62
3	7.00	5.25	4.20		1464.56	2127.02
1	.40	.30	.24			
3	10.00	7.50	6.00	1152.25	1464.62	2127.12

further explanations)

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

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

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

Chart No. 26-D

ING DECREEED RIGHTS (BRYAN DECREE) & NATURAL FLOW IN
D FEET NECESSARY AT DIVERSION DAM TO FILL SAME

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

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



