

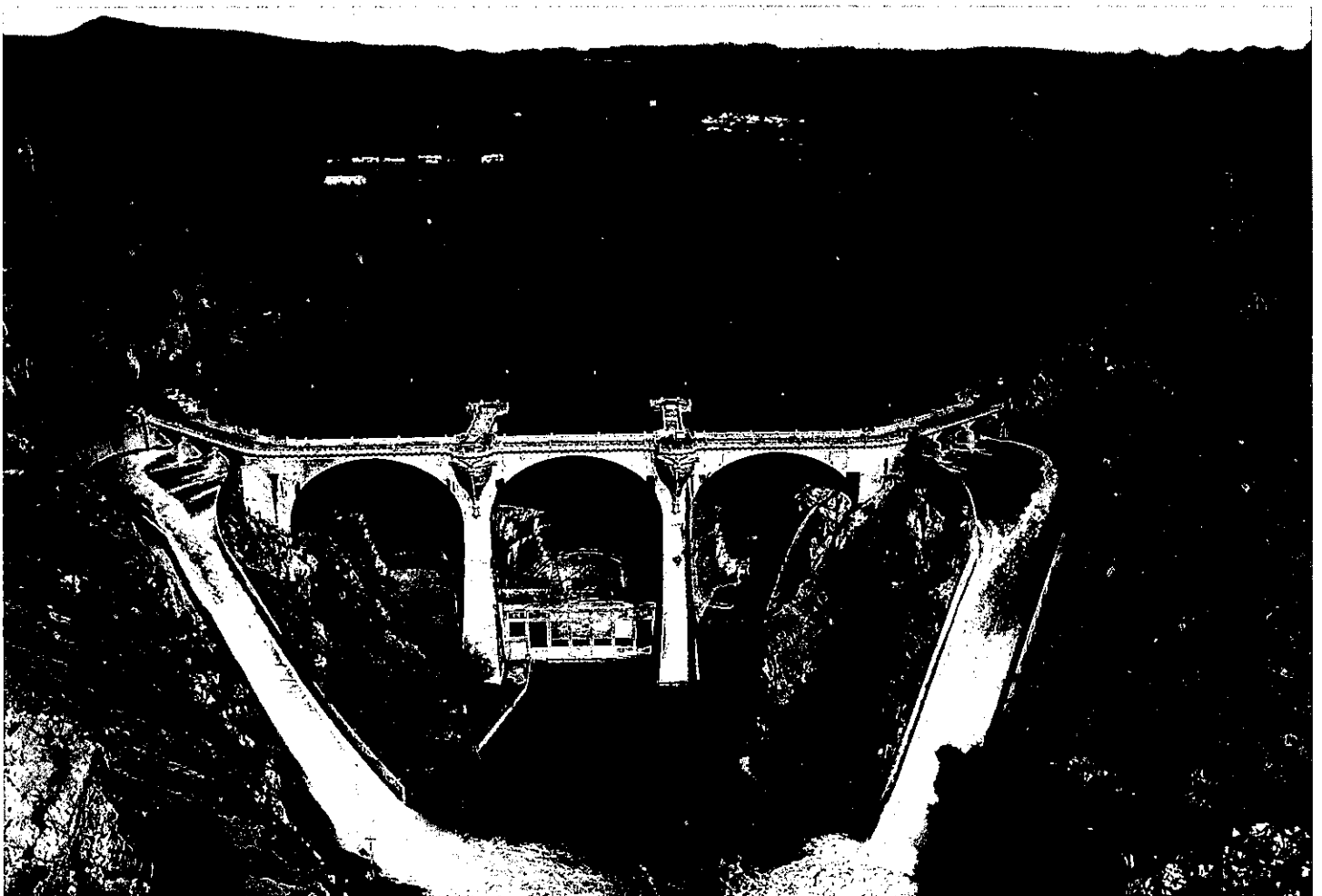
Sixty Fifth - Annual Report

# Distribution of Waters of The Gila River

BY THE  
GILA WATER COMMISSIONER  
**DON L. WEESNER**

TO THE  
UNITED STATES DISTRICT COURT  
In and For The District of Arizona

## 2000



OFFICE OF THE  
**GILA WATER COMMISSIONER**

2338 EAST CHERYL DRIVE  
PHOENIX, ARIZONA 85028

**DON L. WEESNER**  
COMMISSIONER

PHONE (602) 867-1074 • FAX (602) 404-2575 (Phoenix)  
(520) 478-4039 • FAX (520) 478-0936 (Payson)  
(520) 428-3220 • FAX (520) 428-6534 (Safford)

UNITED STATES OF AMERICA  
vs.  
GILA VALLEY IRRIGATION DISTRICT  
ET. AL E-59 GLOBE

Phoenix, Arizona  
May 9, 2001

Honorable John C. Coughenour  
Judge of the United States District Court  
Tucson, Arizona

No. E-59 Globe  
Re: United States of America  
vs.  
Gila Valley Irrigation District, et al.

Dear Judge Coughenour:

I submit herewith the **Sixty-Fifth Annual Report** in the above-entitled cause on distribution of waters of the Gila River, tabulation of hydrologic data, and analysis of expenditures and collections for the calendar year 2000.

Very Truly yours,



Don L. Weesner  
Gila Water Commissioner

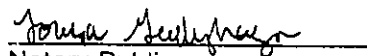
State of Arizona )  
                          ) ss:  
County of Maricopa )

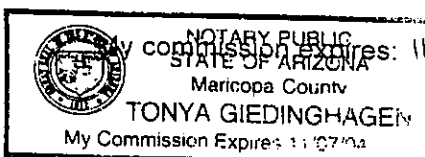
I, Don L. Weesner, Gila Water Commissioner, hereby certify that the following is a true and correct record of distribution of waters of the Gila River for the calendar year 2000, to the best of my knowledge and belief. Furthermore, that the **Financial Statement** submitted herein is a true and accurate record of all receipts and disbursements for the calendar year 2000.



Don L. Weesner  
Gila Water Commissioner

Subscribed and sworn to before me this 9<sup>th</sup> day of May, 2001.

  
Notary Public



**SIXTY-FIFTH ANNUAL REPORT**

**2000**

**DISTRIBUTION OF WATERS OF THE GILA RIVER**

by the

**GILA WATER COMMISSIONER**

**D.L. WEESNER**

to the

**UNITED STATES DISTRICT COURT**

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## PERSONNEL

Don L. Weesner, Gila Water Commissioner	Phoenix, Arizona
Jon W. Allred, Assistant Water Commissioner	Safford, Arizona
James W. Pavlacky, Water Specialist	Safford, Arizona
Waylon D. West, Water Specialist	Thatcher, Arizona
Sara D. Ferguson (temp.)	Safford, Arizona

## SOURCES OF DATA

Stream flow data of the Gila River and tributaries, and the San Carlos Reservoir data, except evaporation and rainfall at San Carlos Reservoir, are provided by the United States Geological Survey, Water Resources Division. Nick B. Melcher is the District Chief.

Records of diversions of water in the Gila River System are provided by the following agencies: "Upper Valleys" - Gila Water Commissioner; San Carlos Indian Reservation - San Carlos Agency; Winkelman Valley - ASARCO Inc. and the Town of Kearny; San Carlos Irrigation Project

The Gila Water Commissioner also provides information on the Internet, which includes text of the Gila Decree and the last 30 days of daily Call System Reports.

The Home Page Address is <http://www.zekes.com/~water/>

Evaporation and rainfall recorded at San Carlos Reservoir are provided by San Carlos Irrigation Project. Robert Carolin is the Project Engineer.

The vicinity of Coper Crossing, in Duncan Valley, Arizona, is monitored daily, during periods that the Gila River is not flowing. The observer of that location is Wilbur Lunt, or his designated aide.

## ACCURACY OF DATA AND COMPUTED RESULTS

The tables of canal diversions and river station discharges are rated in regards to general accuracy of the records. "Excellent" indicates that, in general, the daily records are accurate within 5 percent; "Good" within 10 percent; "Fair" within 15 percent. Records that do not meet that criteria are rated "Poor".

All U.S.G.S. data herein, are provisional and subject to revision. Other data herein, are not routinely revised unless significant errors must be resolved after publication.

Computer-rounding was adopted on January 1, 1996, with general accuracy rated "excellent".

The data compiled in the Gila Water Commissioner's Monthly and Annual Reports may not coincide with values used in the computations of the Daily Call System. The Reports are based on mean daily values whereas, the Call System is calculated on instantaneous values.

## GRAPHICAL DIVISIONS

Administration of the Decree, by necessity, follows the natural geographical divisions of the Gila Valley. Decreed acreage for each is as follows:

Duncan-Virden division, known as **Duncan Valley**, includes lands in Hidalgo County, New Mexico and Greenlee County, Arizona, to the extent of 8,061.35 acres; **Safford Valley**, comprises lands in Graham County, Arizona, outside of the San Carlos Reservation, to the extent of 32,512.4 acres; **San Carlos Agency**, above the San Carlos Reservoir boundary with 1,000 acres of rights; **Winkelman Valley**, in Gila and Pinal Counties, Arizona, consists of 1,335.16 decreed acres, of which 440.43 acres have diversion rights from the Gila River, and 894.73 acres are designated as pumping rights for industrial, municipal, and domestic use; **San Carlos Project**, in Pinal County, Arizona, with water rights in the name of the United States of America aggregating 102,090.5 acres as follows:

<u>San Carlos Project</u>	<u>Acres</u>
San Carlos Irrigation & Drainage District	50,000
Indian Lands	50,000
Natural Flow Lands	1,544.5
Federal Agencies	546
	102,090.5

The **Gila Crossing District**, under the Pima Agency at Sacaton, Arizona, has return flow rights for 2,992.5 acres.

The Total acreage under the Decree amounts to 147,991.91 acres.

## DISTRIBUTION OF WATERS

January 1, 2000, the stored water in the San Carlos Reservoir amounted to 70,760 acre-feet of the 877,697 acre-feet total capacity. December 31, 2000, there was 239,000 acre-feet available stored water, at 27.2 percent of total capacity.

There was apportioned to the **Upper Valleys** for the year 2000, a total of 6.00 acre-feet of water for each acre then being irrigated.

The **San Carlos Irrigation Project** apportioned a total of .65 acre-feet of pumped and stored water for each acre. The gravity diversions of both natural flow and stored water are shown on Plate 29.

The total water diverted from the Gila River under the Decree for the year amounted to 153,492 acre-feet.

Mean daily diversions of apportioned and priority water for each canal in the Duncan, Safford, Winkelman Valleys, and industrial diversions by ASARCO Incorporated are shown on plates 6 to 27.

Determination of when priority water was available is shown on plate 30.

## WATER SUPPLY

The flow of the Gila River, as recorded at **Gila River at Head of Safford Valley Near Solomon**, was **346,850 acre-feet**. Inflow into the San Carlos Reservoir from the Gila River and the San Carlos River totaled **290,845 acre-feet**.

For the year 2000, there was a total of **25,966 acre-feet** of water spilled and sluiced at **Ashurst-Hayden Dam**.

## COSPER CROSSING

The Gila River was found to be dry in the vicinity of Cosper Crossing between April 17th and June 29th, 2000. July 1, 2000, Cosper Crossing was reported dry with flow returning on 7/2/00. Cosper Crossing was again found dry 7/09/00 and remained dry until 10/12/00. During this dry period of time, the total flow of the Gila River above Cosper Crossing was issued to the Virden - Duncan Valley water users.

Date	Vicinity Status	Verification
01/01/00	FLOW	OBSERVED
04/17/00	DRY	REPORTED
06/29/00	FLOW	OBSERVED
07/01/00	DRY	REPORTED
07/02/00	FLOW	REPORTED
07/09/00	DRY	REPORTED
10/12/00	FLOW	REPORTED

## CONSUMPTIVE USE

The acre-feet consumptive use of water for the **"Upper Valleys"** as determined by the method set forth in Article VIII of the Decree is as follows:

2000	Gila River below Blue Creek (good)*	San Francisco River at Clifton (good)*	Total	Gila at Calva (poor)*	Consumptive use	Accumulated Consumptive use
Jan.	5,992	4,673	10,665	9,578	1,087	1,087
Feb.	5,387	3,765	9,152	4,830	4,322	5,409
Mar.	5,996	4,231	10,227	2,870	7,357	12,766
Apr.	3,900	3,469	7,369	2,180	5,189	17,955
May	1,849	1,559	3,408	497	2,911	20,866
Jun.	603	1,607	2,210	127	2,083	22,949
Jul.	1,672	2,249	3,921	310	3,611	26,560
Aug.	1,696	3,541	5,237	2,604	2,633	29,193
Sept.	1,142	1,815	2,957	885	2,072	31,265
Oct.	27,014	75,421	102,435	85,963	1,6472	47,737
Nov.	46,648	52,854	99,502	137,163	-37,661	10,076
Dec.	10,334	9,894	20,228	27,085	-6,857	3,219
<b>Totals</b>	<b>112,233</b>	<b>165,078</b>	<b>277,311</b>	<b>274,092</b>	<b>3,219</b>	<b>3,219</b>

2000

**UPPER VALLEYS  
CONSUMPTIVE USE TRACKING**

When cumulative FLOW BALANCE during January, February and March is less than 7,000 acre-feet, it is recommended to regulate diversions during March, April, and May, such that Consumptive Use is limited to 75,000 Ac-ft before the end of May, and 90,000 Ac-ft before the end of August. FLOW BALANCE is shown ONLY as an indicator of potential consumptive use.

THIS TRACKING METHOD HAS NOT BEEN ADOPTED AS THE ONLY INDICATOR OR GUIDELINE IN PROJECTING ACTUAL CONSUMPTIVE USE under the Gila Decree.

Input data rounded to USGS standards - IN ACRE-FEET

2000 MONTH	CONSUMPTIVE USE		UPPER VALLEYS AND SAN CARLOS		HEAD OF SAFFORD VALLEY		FLOW BALANCE						ACCUM. FLOW BALANCE	TOTAL INFLOW G + SF	MAXIMUM CONSUMPTIVE USE RECOMMENDED
	RESULT	ACCUM. RESULT	APACHE TRIBE		GILA RIVER FLOW	GILA R. ACCUM. FLOW	FLOW BALANCE	GILA CALVA	GILA VIRDEN	SAN FRANCISCO CLIFTON	DIVS	DIVS			
JAN	1,090	1,090	6,160	6,160	12,160	12,160	5,080	9,580	5,990	4,670	6,160	5,080	10,860	75,000	
FEB	4,320	5,410	13,440	19,600	10,060	22,220	9,120	4,830	5,390	3,760	13,440	14,200	9,150	75,000	
MAR	7,360	12,770	12,340	31,940	9,050	31,270	4,980	2,870	6,008	4,230	12,340	19,180	10,230	75,000	
APR	5,190	17,960	5,980	37,920	6,000	37,270	780	2,180	3,900	3,470	5,980	19,970	7,370	75,000	
MAY	2,910	20,870	1,630	39,550	3,510	40,780	(1,280)	500	1,850	1,560	1,630	18,890	3,410	75,000	
JUN	2,090	22,960	1,560	41,110	4,390	45,170	(520)	130	600	1,610	1,560	18,170	2,210	80,000	
JUL	3,610	26,560	3,230	44,340	5,040	50,210	(380)	310	1,670	2,250	3,230	17,790	3,920	85,000	
AUG	2,630	29,190	6,420	50,760	6,810	57,020	3,780	2,600	1,700	3,540	6,420	21,570	5,240	90,000	
SEP	2,070	31,270	3,710	54,470	4,830	61,850	1,640	890	1,140	1,820	3,710	23,210	2,960	120,000	
OCT	16,470	47,740	1,600	56,080	131,390	193,240	(14,870)	85,960	27,010	75,420	1,600	8,340	102,430	120,000	
NOV	(37,660)	10,080	10	56,090	131,130	324,380	37,670	137,160	46,650	52,850	10	46,010	99,500	120,000	
DEC	(6,860)	3,220	2,150	58,240	22,470	346,850	9,010	27,080	10,330	9,890	2,150	55,020	20,220	120,000	
TOTALS	3,220	3,220	58,240	58,240	346,850	346,850	55,020	274,090	112,230	165,080	58,240	277,310	277,310		

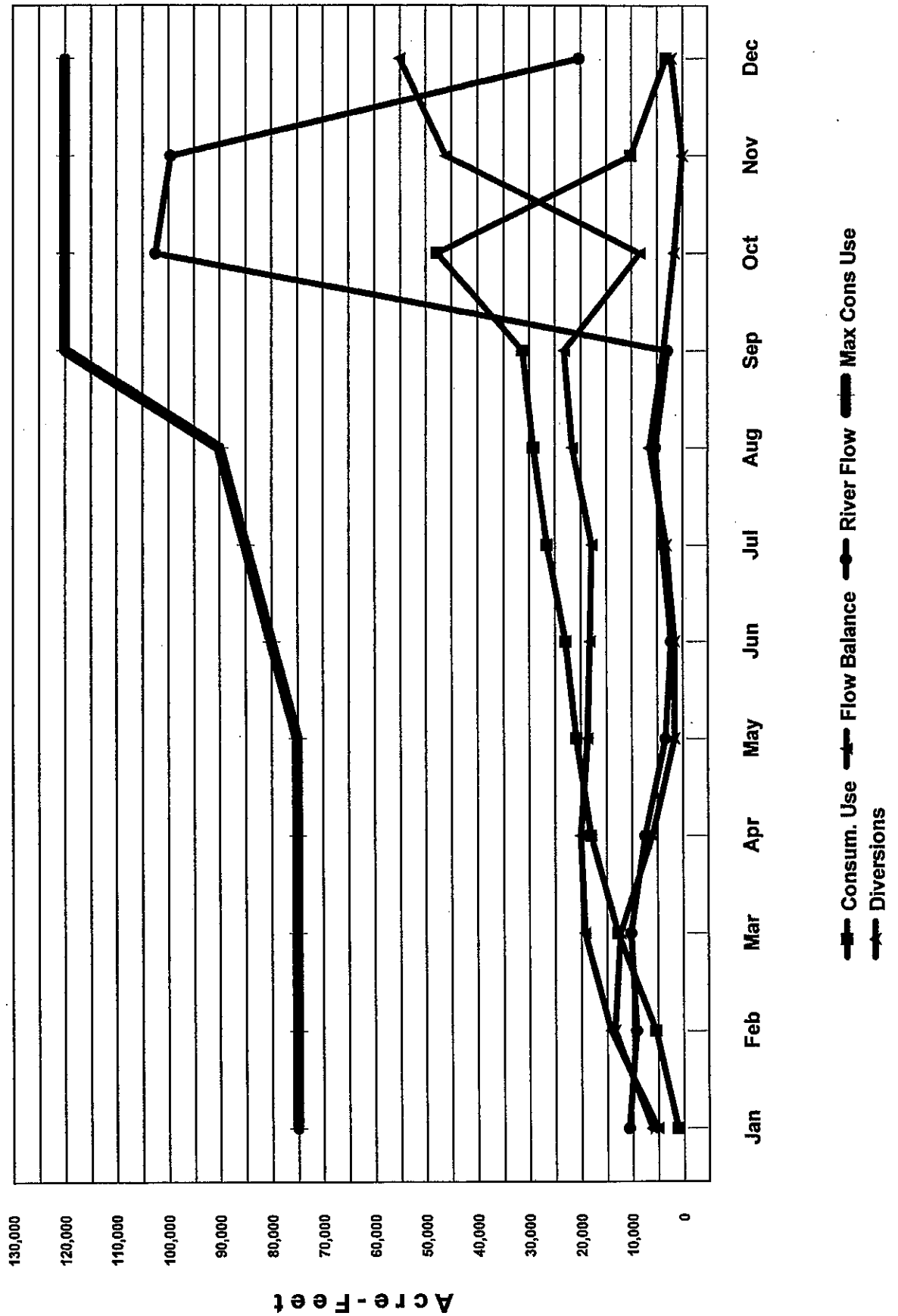
Graph

Graph

GRAPH: See graphic display on next page (4-2)



# 2000 Consumptive Use Accum vs. Diversions vs. River Flow



2000

MONTHLY RIVER FLOWS AND DIVERSIONS, GILA RIVER SYSTEM

Quantities in Acre-feet

	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	TOTAL
Gila Blue	5992	5387	5996	3900	1849	603	1672	1696	1142	27014	46848	10334	112233
Duncan Valley Diversions	801	1006	1255	1128	871	175	841	906	474	507	13	531	8506
Gila River near Clifton	5837	4469	3346	2067	1743	2406	2168	3564	2166	18521	45928	10800	103015
San Fran. River @ Clifton	4673	3765	4231	3469	1659	1607	2249	3541	1815	75421	52854	9894	165076
Gila Solomon	12163	10056	9055	5996	3507	4393	5042	6805	4832	131393	131133	22473	346850
Safford Valley Diversions	5360	12335	10983	4803	631	1316	2299	5376	3065	1070		1624	48863
San Carlos Agency Divs.		96	103	51	132	67	89	133	175	27			873
Gila Calva	9578	4830	2870	2180	497	127	310	2604	886	85963	137163	27085	274092
San Carlos R. @ Peridot	661	517	545	380	126	356	19	3442	368	3754	5353	1232	16753
Stored Water	77020	76060	62290	42290	33480	31470	29480	27840	26140	92660	227400	239000	
Gila Below Coolidge Dam	4451	7557	17074	21251	7436	207	284	1146	1115	52	253	14484	75290
Winkelman Divs. (Indust)	792	779	929	1074	1121	1009	970	939	936	992	1005	1026	11572
Winkelman Divs. (Ag.)	51	28	33	54	95	62							322
Gila River @ Kelvin	5482	9021	17159	19111	7396	880	361	6877	1487	22646	8499	12490	111409
A-H Diversions	4917	8338	15856	19064	8902	855	442	6480	1932	4844		13724	83356
A-H Spilled									607	17308	8051		25966
A-H Sluiced													
A-H Total	4917	8338	15856	19064	8902	855	442	6480	2539	22152	8051	13724	109322
Loss Kelvin to A-H	565	683	1303	47	494	25	-81	397	-1052	494	448	-1234	2089
Sacaton Diversions													0

SUMMARY OF THE GILA RIVER SYSTEM

Quantities in Acre-feet

NATURAL FLOW FROM THE GILA RIVER AND TRIBUTARIES

Gila River Below Blue Creek	112,233
San Francisco River at Clifton	165,078
San Carlos River near Peridot	16,753
Gain from Gila Below Coolidge Dam to Gila at Kelvin	36,119

INFLOWS, SAN CARLOS RESERVOIR

Gila River at Calva plus San Carlos River near Peridot	290,845
--	---------

GILA RIVER BELOW COOLIDGE DAM

	75,290
--	--------

CONTENTS IN STORAGE, SAN CARLOS RESERVOIR

Available contents January 1, 2000	70,760
Available contents December 31, 2000	239,000

WATER DIVERTED FROM THE GILA RIVER

Duncan-Virden Valley canal diversions	8,506
Safford Valley canal diversions	48,863
San Carlos Apache Tribe	873
Winkelman Valley Agricultural diversions	322
<b>Winkelman Valley industrial and municipal pumps</b>	
ASARCO Incorporated	11,173
Town of Kearny	399
<b>San Carlos Project</b>	
Natural flow Ashurst-Hayden Dam	47,300
Stored water Ashurst-Hayden Dam	36,056
Natural flow Sacaton Dam	0
<b>TOTAL DIVERSIONS</b>	<b>153,492</b>
<b>SPILLED AND SLUICED ASHURST-HAYDEN DAM</b>	<b>25,966</b>

# SAN CARLOS RESERVOIR

The available stored water in the **San Carlos Reservoir** on January 1, 2000, was 70,760 acre-feet. The maximum storage for the year was on December 31, with 239,000 acre-feet (Plate 49).

In previous years, small flows recorded at **Gila River below Coolidge Dam** (Plate 41), when no water was being released were disregarded and are not shown on Determination of Priority (Plate 30), Natural Flow Releases (Plate 42), Stored Water Releases (Plate 43). However, the small flows were reported August through December, 2000. Reporting of the small flows was necessary because SCIP was attempting to release any natural flow entering the reservoir.

The computed evaporation from the surface of the **San Carlos Reservoir** was 19,389 acre-feet (Plate 50). Computed rainfall on the lake was 3,426 acre-feet (Plate 51). There was a bank storage of 33,031 acre-feet for the year (Plate 45).

## APPORTIONMENTS MADE DURING 2000

The following apportionments were made to the "**Upper Valleys**" under authority contained in Article VIII of the Decree, and to the Winkelman Valley under authority contained in article IX and X of the Decree:

	Date	TBI Acreage	Acre-feet per acre	Accumulated apportionment	Re-Allocation
1	1/1/00	32,487.41	0.92	.092	0.00
2	2/1/00	33,061.09	0.17	1.09	0.00
1 <sup>st</sup> Re-Allocation	4/1/00	33,816.96		1.07	-0.02
3	11/1/00	33,586.22	1.90	2.97	0.00
4	12/1/00	33,586.22	3.03	6.00	0.00
<b>Total Apportionment</b>	12/1/00				6.00

The following apportionments of stored and pumped water were made by the **San Carlos Irrigation Project** based on a total of 100,546.00 decreed acres. TBI is not used by SCIP in its apportionments.

Number	Date	Decreed Acres	Acre-feet per Acre	Accumulated Apportionment	TBI Acreage	TBI Acre-feet per Acre
1	3/18/00	100,546.00	0.50	0.50	40,351.62	1.246
2	11/28/00	100,546.00	0.15	0.65	45,047.74	1.581
<b>TOTALS</b>	12/1/00			0.65	45,223.39	1.445

## SAN CARLOS RESERVOIR MINIMUM POOL

The Court filed an order on August 27, 1999, stipulating that a portion of the stored water in the San Carlos Reservoir would be retained in the reservoir in exchange for delivery of an equal amount of Central Arizona Project ("CAP") water to the San Carlos Irrigation Project. The retained water would accumulate concurrently with the amount of CAP water delivered to SCIP on a daily basis, less losses for evaporation & seepage. The retained water would not be available for apportionments to the Upper Valleys, and in case of spill from the San Carlos Reservoir, would be the first water to spill. The following chart tracks the accumulation of the minimum pool by the month. Daily figures were reported on the Daily Call System, and are available in Commissioner's office:

Date	Acre-feet
January 1, 2000	35,886
January 31, 2000	35,321
February 28, 2000	34,654
March 31, 2000	33,679
April 30, 2000	32,188
May 31, 2000	33,561**
June 30, 2000	31,441
July 31, 2000	29,481
August 31, 2000	27,835
September 30, 2000	25,922
October 31, 2000	25,137
November 30, 2000	24,834
December 31, 2000	24,573

\*\* On 5/26/00 SCIP'S remaining storage of 3,486 acre-feet was purchased by the USBR for the Minimum Pool.

## PHELPS DODGE MORENCI, INCORPORATED

Provisional records of pumped flow from Black River and Eagle Creek wells by the Phelps Dodge Corporation as compiled by the United States Geological Survey show the following information with quantities given in acre-feet.

2000	NET BLACK RIVER WATER PUMPED	NET UPPER EAGLE CREEK WATER PUMPED	TOTAL IMPORTED WATER PUMPED	TOTAL P. D. PUMPING FROM S.F. RIVER & EAGLE CREEK BASIN	TOTAL GILA WATERS PUMPED BY PHELPS DODGE
January	364	417	781	841	60
February	295	340	635	753	118
March	540	314	854	1,029	175
April	627	472	1,099	1,096	
May	135	1,040	1,175	1,123	
June		1,204	1,204	1,125	
July	167	1,053	1,220	1,131	
August	228	1,042	1,270	1,157	
September	324	955	1,279	1,031	
October	347	783	1,130	1,115	
November	317	21	338	876	538
December	350	128	478	1190	712
<b>TOTALS</b>	<b>3,694</b>	<b>7,769</b>	<b>11,463</b>	<b>12,467</b>	<b>1,603</b>
Bypass					0
<b>TOTAL</b>					

Note: There was a slight difference between the data furnished by P. D. and the data furnished by U.S.G.S.

This shows that **1,004 acre-feet** of water in excess of that brought in from Black River and Eagle Creek wells was pumped by Phelps Dodge Morenci from the tributary drainage of the Gila River.

## GERONIMO STATION 1997

As stipulated by the Court in its Injunction filed June 6, 1996, the Commissioner's office on March 7, 1997 began taking water quality samples and making stream flow estimates at the site selected for the Geronimo Station. During the month of May 1997, construction on the Geronimo Station commenced and on July 11, 1997 was placed into service. Daily water quality sampling and flow measurements were begun at this time. During the irrigation season of March 1 through October 31, 1997, the final seasonal average salinity at the Geronimo Station was computed to be **2,236 uS/cm** (microsiemens per centimeter).

The Commissioner was also instructed to make a comparison between the water quality and stream flow at the Geronimo Station to the water quality and stream flow at the Eastern Boundary of the San Carlos Reservation. This comparison was made and the Commissioner has concluded that the water quality and stream flows are comparable. His conclusion was based on the following data:

Geronimo Station EC Average	=	2,283.4 uS/cm
Reservation boundary EC Average	=	2,272.4 uS/cm
<b>EC @ Reservation Boundary</b>	=	<b>0.48% lower than Geronimo</b>
Geronimo Station flow average	=	288.9 cfs
Reservation Boundary flow average	=	284.3 cfs
<b>Flow @ Reservation</b>	=	<b>1.59% less than Geronimo</b>

Daily data in support of the above figures can be found published in the Water Commissioner's 1997 monthly reports or can be seen at the office of the Gila Water Commissioner.

## GERONIMO STATION 2000

The Seasonal Average Salinity on October 31, 2000 was 3,265 uS/cm. Daily data in support of the above figures can be found published in the Water Commissioner's 2000 monthly reports or can be seen at the office of the Gila Water Commissioner.

## SAN CARLOS APACHE TRIBE FARMING REPORTS

The Court, in its Water Quality Injunction, filed June 6, 1996, stipulated that the San Carlos Apache Tribe would report to the Water Commissioner on a monthly basis, the crops planted, dates of irrigation, the amount and source of water applied to the lands, the crop yield, the use of crops for grazing and any unusual problems occurring. The above-mentioned data for 2000 have been supplied to the Water Commissioner and summarized on **Plate 5** of the 2000 yearly report.

## LAND USE AUDITS, VIOLATIONS AND PENALTIES

The Court, in its **Phase IV Memorandum and Order** dated March 25, 1996, directed the Water Commissioner to adopt a scheme for reporting and auditing lands "**then being irrigated**" and for correcting and penalizing violations. The Commissioner, as instructed, presented to the Court a reporting scheme and procedure to audit lands then being irrigated. On June 3, 1996, in its **Order on Water Quality Injunction and Related Matters**, the reporting scheme and auditing procedures were adopted by the Court.

Audits of lands being irrigated were made through out the year of 2000. A summary of those audits can be found on **Plate 2**. Any actions taken and penalties consented to for violations of the TBI regulations can be found on **Page 10**.

1 **GILA WATER COMMISSIONER**  
2 **Donald L. Weesner**  
3 2338 E. Cheryl Dr.  
4 Phoenix, AZ 85028  
5 Telephone (602) 867-1074

6 **UNITED STATES DISTRICT COURT**  
7 **DISTRICT OF ARIZONA**

8 UNITED STATES OF AMERICA,  
9 Plaintiff,

10 and

11 GILA RIVER INDIAN COMMUNITY,  
12 Plaintiff in  
13 Intervention,

14 and

15 SAN CARLOS APACHE TRIBE,  
16 Plaintiff in  
17 Intervention,

18 Vs.

19 GILA VALLEY IRRIGATION  
20 DISTRICT, ET AL.,  
21 Defendants.

GLOBE EQUITY NO. 59 (JCC)

**FINAL REPORT OF 2000 ACTIONS TAKEN  
BY THE GILA WATER COMMISSIONER  
AND THE PENALTIES TO LAND OWNERS  
IN VIOLATION OF REGULATIONS  
FOR IMPROPER REPORTING OF LANDS  
"THEN BEING IRRIGATED" (2000 TBI)**

(Assigned to the Honorable  
John C. Coughenour)

21 The Court entered the Final Memorandum and Order in this matter on September 18,  
22 1992 and a Phase IV Memorandum and Order on April 14, 1995 which ordered that TBI  
23 regulations be adopted. These regulations were approved by the Court by its order dated  
24 **June 3, 1996**. These Regulations require the Commissioner to make periodic audits of lands  
25 to determine if any reporting violations have occurred. The Commissioner is authorized and  
26 empowered by these regulations to informally resolve violations as outlined in **§4.2** of the  
27 Regulations.  
28

1 A written summary of the action taken by the Commissioner and the penalty consented  
2 to shall be filed with the Court within sixty (60) days thereof and shall be included in the  
3 monthly report next published by the Commissioner after such sixty (60) days has elapsed and  
4 in the annual report filed with the Court. A copy of the notification to the landowners and the  
5 cease and desist, orders and consents thereto shall be kept in the records of the  
6 Commissioner for three (3) years from the date of filing with the Court. Pursuant to the  
7 Commissioner's audit of lands within the Decreed Lands, violations of the TBI regulations  
8 were determined and resolved as set forth below.

9 The following is a summary of violations that have been resolved and the penalties that  
10 have been invoked :

11 SUMMARY

- 12 1. **Attachment "A-2" is a summary of the Commissioner's final findings for the year**  
13 **2000 audits and the penalties imposed and pay backs since the report of March**  
14 **16, and March 30, 2001:**

15 Respectfully submitted this 23<sup>rd</sup> day of April, 2001.

16 

17 Donald L. Weesner  
18 Gila Water Commissioner

18 Revised 4/23/01

19 **ORIGINAL and one copy of the**

20 foregoing mailed this 23<sup>rd</sup> day

21 of April, 2001, to:

22 William M. McCool  
23 Chief Deputy Clerk  
24 United States District Court  
25 405 W. Congress  
26 Tucson, Arizona 85701

27 **TWO COPIES** of the foregoing  
28 mailed via First Class Mail

this 23<sup>rd</sup> day of April, 2001 to:

The Honorable John C. Coughenour  
609 Federal Courthouse  
1010 Fifth Avenue  
Seattle, WA. 98104



1 COPIES of the foregoing mailed

2 this 23<sup>rd</sup> day of April, 2001,

3 to:

4 Jon Allred  
5 Assistant Gila Water Commissioner  
6 P.O. Box 152  
7 Safford, AZ 85546

8 F. Patrick Barry  
9 Department of Justice  
10 Environment & Natural Resources Div.  
11 Indian Resources Section  
12 P. O. Box 44378  
13 Washington, D.C. 20026-4378

14 Michael J. Brophy  
15 Ryley, Carlock, & Applewhite  
16 101 North First Ave.  
17 Suite 2700  
18 Phoenix, AZ 85003-1973

19 David A. Brown  
20 Michael J. Brown  
21 Brown & Brown  
22 P.O. Box 3128  
23 Pinetop, AZ 85935

24 Mark Bryce.  
25 Bryce & Angle  
26 605 Main Street  
27 Safford, AZ 85546

28 Graham M. Clark Jr.  
Assistant Attorneys General  
1275 West Washington St.  
Phoenix, AZ. 85007

L. Anthony Fines  
Fines & Oden  
627 North 6<sup>th</sup> Ave  
Tucson, AZ. 85705

Robert B. Hoffman  
Snell & Wilmer  
One Arizona Center 19th Floor  
400 East Van Buren  
Phoenix, AZ 85004-0001

Ralph E. Hunsaker  
The Cavanagh Law Firm  
1850 N Central Suite # 2400  
Phoenix, AZ 85004

Riney B. Salmon, II  
John Weldon  
Salmon, Lewis, & Weldon, P.L.C.  
4444 North 32nd Street, suite 200  
Phoenix, AZ. 85018

Joe Sparks  
John H. Ryley  
Sparks, Tehan & Ryley  
7503 First Street  
Scottsdale, AZ. 85251

Lee H. Storey  
Moyes, Storey  
3003 North Central Avenue  
Suite 1250  
Phoenix, AZ 85012

Daniel Jackson  
Office of the Field Solicitor  
Depart. Of the Interior  
Suite 404 Sandra Day O'Connor  
U.S. Courthouse  
401W. Washington St SPC 44  
Phoenix, AZ 85003-2151

James W. Johnson  
Fennemore Craig  
3003 N. Central Suite 2600  
Phoenix, AZ 85012-2913

Rodney B. Lewis, Steven J. Heeley  
John T. Hestand, James D. Hill  
Gila River Indian Community  
5002 North Maricopa Road  
Box 5090  
Chandler, AZ 85226

Brent F. Moody  
4806 North 35<sup>th</sup> Pl.  
Phoenix, AZ. 85018-3468

Richard N. Morrison  
Salmon, Lewis, & Weldon, P.L.C.  
4444 North 32nd Street, Suite 200  
Phoenix, AZ. 85018

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Ival L. Mortensen  
Safford City Attorney  
702 Eighth Avenue  
Safford, AZ 85548

Michael J. Pearce  
Chief Counsel Phoenix, AZ 85012  
Dept. of Water Resources  
500 North Third Street  
Phoenix, AZ. 85004-3903

Neil Vincent Wake  
3030 N. Third Street Suite 1220  
Phoenix, AZ 85012

Donald L. Weesner  
Gila Water Commissioner  
2338 E. Cheryl Dr.  
Phoenix, AZ 85028



Revised 02/15/2001  
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## ATTACHMENT "A 2"

According to the Commissioner's 2000 audits the following is a final summary of finding and penalties and payback imposed according to the Regulations for Reporting and Auditing Lands "Then Being Irrigated":

### Franklin Irrigation District

1. **Mr. Donald Merrell** CEASE & DESIST RECEIVED & SIGNED > PAYBACK COMPLETED

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
500-050-015	T8S, R32E, Sec 29, NE1/4 SE1/4	32.50	0.00	32.50

Payback and penalties for this violation are as follows:  
 New Model Canal Duty for 2000 = 1.59 ac-ft/ac.  
 Payback: Duty x Acres in Violation = 1.59 x 32.50 = 51.68 ac-ft.  
 Penalty: 50% of Payback = 25.84 ac-ft.  
 Total Payback: 51.68 + 25.84 = 77.52 ac-ft.

### Gila Valley Irrigation District

1. **Mr. Rulon Larson** CEASE & DESIST RECEIVED & SIGNED > PAYBACK COMPLETED

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
107-047-005A	T7S, R27E, Sec 17, SW1/4 SE1/4	133.90	127.80	6.10

Payback and penalties for this violation are as follows:  
 San Jose Canal Duty for 2000 = 1.99 ac-ft/ac.  
 Payback: Duty x Acres in Violation = 1.99 x 6.10 = 12.14 ac-ft.  
 Penalty: 50% of Payback = 6.07 ac-ft.  
 Total Payback: 12.14 + 6.07 = 18.21 ac-ft.

### San Carlos Irrigation & Drainage District

1. **Mr. Steve Daley** No violation found

Account No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
6526-4	T6S, R5E, Sec 26, SE1/4	160.00	142.00	71.00

An informal resolution meeting was held at the San Carlos Irrigation and Drainage Districts office on April 2, 2001 with Mr. Daley, Doug Mason, Waylon West and Commissioner Weesner to review the possible violation. Mr. Daley stated there was no violation as the 71.0 acres in question was planted in barley and irrigated in December of 1999 and further irrigated in January and February of 2000. Mr. Daley stated that by mid February 2000 he felt there would not be enough water available to complete the crop so on February the 29<sup>th</sup> he plowed up the acres in question. Mr. Daley further stated that he had planted 160 acres in barley in total and on March 1 through March 4, 2000 he plowed up the remaining barley. Mr. Daley produced his work log book indicating his planting and plowing dates of the acres questioned and he also produced to the Commissioner a receipt for the purchase of the seeds for this planting. On April 10, 2001 Mr. Daley provided an affidavit with his log book and seed receipts. As the termination of this meeting Commissioner Weesner was fully satisfied that there was no violation by Mr. Daley on the 71.0 acres in question.

2. **Florence Blvd. Partnership** CEASE & DESIST ORDER SIGNED AND NOTARIZED ON APRIL 2, 2001  
 > PAYBACK COMPLETED <

Account No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
6730-33	T6S, R7E, Sec 30, S1/2 SW1/4	80.00	35.00	35.00

An informal resolution meeting was held at the San Carlos Irrigation and Drainage Districts office on April 2, 2001 with Mr. Gregory Wertz (Tenant farmer), Doug Mason, Waylon West and Commissioner Weesner to review the possible violation. Mr. Wertz agreed during the resolution meeting that he had filed a TBI report for the acres in question and had failed to plant this acreage during the year 2000. The Commissioner had reviewed the priority dates for the lands in question which were 1924 lands and upon reviewing the natural flow waters available to SCIDD during the year 2000 it was determined by the Commissioner that SCIDD at no time had diverted its full entitlement of natural flow waters. Therefore, no excess natural flow waters were received by SCIDD for the lands in violation. Because no water was received for these land, a water payback and reduction penalty was deemed inappropriate and the penalty to be applied will be a monetary penalty. The penalty agreed to at this meeting was that Mr. Wertz will pay to the Commissioner's Office a fine of \$5.00 dollars per acre for the acreage as a technical violation (35 acres x \$5.00 = \$175.00). This penalty was paid in full to the Commissioner's Office on April 3, 2001. This action is resolution of the Florence Blvd. Partnership TBI violation for the year 2000.

## WATER QUALITY ACTIONS TAKEN BY G.V.I.D.

To facilitate the monitoring of the salinity and flows at the Geronimo Station on a monthly basis the "Water Quality Injunction" dated June 3, 1996, instructed the Gila Valley Irrigation District to report, to the Water Commissioner, any steps taken to improve the water quality in the Gila River. The Injunction instructed the Water Commissioner to report, in his yearly report, any actions reported by the Gila Valley Irrigation District.

For the year 2000, the Commissioner's Office was notified by the G.V.I.D., in their letter dated June 16, 2000, that no actions had been taken by the G.V.I.D. to improve the water quality in the Gila River. Since that date, the Commissioner's Office has not received any other information from G.V.I.D. concerning this matter and must assume that no action was been taken for the year 2000.

## SMALL PARCELS AND NON-AGRICULTURAL USES

The Court's Final Memorandum and Order filed on September 18, 1992, and the Phase IV Memorandum and Order filed April 14, 1995, ordered that a set of Rules and Regulations be adopted in regards to lands then being irrigated. The Rules and Regulations (**Regulations for Reporting and Auditing Lands "Then Being Irrigated"**) were adopted by the Court in its Order dated June 3, 1996, and was implemented on April 1, 1997.

Section 5.1 (e) **SMALL PARCELS and NON-AGRICULTURAL USES** (less than two (2) acres), within the **Regulations for Reporting and Auditing Lands "Then Being Irrigated,"** requires the Commissioner to summarize and report the acres involved, as soon as can be done in a monthly report (January 2000, final revision July 2000) and in the annual report filed with the Court.

The following is a summary of the acres taken from the forms that were submitted for small parcel lands "TBI" in 2000.

Location	Decreed Acres	Multiple use Acreage (lawns, trees, gardens, orchards & pastures) TBI	Yards Acres TBI	Garden Acres TBI	Orchard Acres TBI	Pasture Acres TBI	Commercial Acres TBI	TOTAL ACRES TBI
Duncan/Virden Valley	54.43	34.36	4.38	0.00	1.49	1.90	0.00	44.08
Safford Valley	390.50	239.28	6.36	3.96	17.46	43.42	8.05	318.53
Lower valley SCIDD	235.23	66.29	85.51	0.45	0.75	8.82	0.00	161.82
<b>TOTAL</b>	<b>680.16</b>	<b>339.93</b>	<b>96.25</b>	<b>4.41</b>	<b>19.70</b>	<b>56.09</b>	<b>8.05</b>	<b>524.43</b>

The percent of SMALL PARCELS decreed lands irrigated in 2000 was 77.1 percent.

# 2000

## COURT ORDERS

<u>Date of Order</u>	<u>Order</u>
02/07/2000	Order Setting Date for Objections to Water Commissioner's 4 <sup>th</sup> Quarter 1999 Attorney Fees
02/07/2000	Order Ruling that the Pooling Agreement Concerning the Sharing of Water between GRIC and SCIDD Should be Enforced and Rules that GRIC and SCIDD Cannot Combine Their Acreage to Calculate TBI acreage.
03/03/2000	Order Granting Motion For Stay
03/20/2000	Order Approving Payment of 1999 Fourth Quarter Attorney Fees
04/17/2000	Order Setting Date for Objections to Water Commissioner's 1 <sup>st</sup> Quarter 2000 Attorney Fees
05/24/2000	Order Approving Payment of 2000 First Quarter Attorney Fees
5/25/2000	Minute Order - Setting Date of Hearing to Discuss Issues Regarding Water Quality Injunction
06/07/2000	Order RE Water Available as a Basis of Apportionment
06/19/2000	Minute Order - Continues Hearing on Proposed Modifications to the Water Quality Injunction to Oct. 11 through Oct. 13, 2000
06/19/2000	Order Suspending Water Quality Injunction
07/24/2000	Order Setting Date for Objections to Water Commissioner's 2 <sup>nd</sup> Quarter 2000 Attorney Fees
07/28/2000	Minute Order Continuing Hearing on the Proposed Modifications of the Water Quality Injunction to October 12, 2000 through October 13, 2000.
08/02/2000	Minute Order-Granting Extension of Time to San Carlos Apache Tribe to respond on Modifications to Water Quality Injunction/
08/15/2000	Order Approving Payment of 2000 Second Quarter Attorney Fees
09/25/2000	Minute Order-Continuing Hearing on Proposed Modifications to the Water Quality Injunction

09/25/2000 Minute Order-Setting Date for Objections to Gila Water Commissioner's Petition for Supplemental Assessment

09/25/2000 Minute Order- Setting Date for Responses to Modify Water Quality Injunction

09/25/2000 Minute Order-Setting Date for objections to Water Commissioner's 2001 Budget Petition.

10/03/2000 Order Extending Times to Respond and Reply to Motion to Strike

10/03/2000 Order Granting Motion to Exceed Page Limitation

10/03/2000 Order Granting Motion to Re-file Plaintiff in Intervention Gila River Indian Community's response in Opposition to the Motion to Strike or, In the Alternative, to Dismiss Plaintiff in Intervention Fourth Amended Complaint Filed by the San Carlos Irrigation & Drainage District, Individual Farmer Defendants, BHP Copper, Inc. and HSR Farms and Motion to Re-file Plaintiff in Intervention Gila River Indian Community's Motion to Exceed Page Limitation

10/03/2000 Minute Order- Granting Motion to Exceed Page Limitations in Filing Its Response in Opposition to Motion to Strike, or in the Alternative, to Dismiss Plaintiff in Intervention's Fourth Amended Complaint.

10/05/2000 Order Granting Substitution of Council - Attorney General of the State of Arizona

10/31/2000 Order Setting Date for Objections to Water Commissioner's 3<sup>rd</sup> Quarter 2000 Attorney Fees

11/14/2000 Order Approving Water Commissioner's Year 2001 Budget

11/14/2000 Order Approving Water Commissioner's Petition for Supplemental Assessments for the Calender Year 2000

12/07/2000 Order Approving Payment of 2000 Third Quarter Attorney Fees

12/14/2000 Order Setting Date for Objections to Water Commissioner's Petition to Terminate Assessments on Lands at Gila Crossing

12/27/2000 Order Addressing Defendants Motions to Strike or Dismiss Gila River Indian Community's Fourth Amended Complaint

12/27/2000 Order Granting the Motion to Lift the Stay on the Pumping Claims

**2000**  
**FINANCIAL STATEMENT**  
**WATER COMMISSIONER'S ACCOUNT**  
**RECEIPTS**

<b>Plaintiffs</b>			
San Carlos Irrigation Project	\$330,397.48		
SCIP 00 assessment pre-paid (99 interest)	3,171.54		
San Carlos Agency	<u>3,140.00</u>		
		\$336,709.02	
<b>Defendants</b>			
Gila Valley Irrigation District	108,286.22		
Franklin Irrigation District	14,872.14		
Sunset Ditch Company	8,104.91		
New Model Canal Company	2,864.03		
ASARCO	13,318.99		
Kearny	364.24		
Kerlock	86.77		
York Valley	<u>1,409.27</u>		
		149,286.57	
Miscellaneous Receipts		2,481.48	
Logger Payments		1,500.00	
Interest Income		16,876.89	
Correction		<u>25.09</u>	
<b>Total Receipts</b>			<b>\$506,879.05</b>
<b>Balance Forward 1999</b>			<b><u>383,146.52</u></b>
			<b><u>\$900,024.67</u></b>

**DISBURSEMENTS**

<b>Personnel</b>			
Don L. Weesner	\$72,336.96		
Jon W. Allred	42,953.04		
James W. Paviacky	35,669.04		
Waylon D. West	35,851.04		
Sara D. Ferguson	12,000.00		
F. I. C. A.	12,313.92		
Medicare	2,879.86		
Federal Unemployment Tax	<u>2,170.00</u>		
		\$216,973.76	
<b>Employee Benefit Plan</b>			
Retirement	11,196.48		
Medical Insurance	<u>12,968.23</u>		
		24,164.71	
<b>George E. Greiner (Consulting Fee)</b>		6,000.00	
<b>Travel</b>			
Don L. Weesner	1,760.17		
Jon W. Allred	3,191.19		
James W. Paviacky	1,956.87		
Waylon D. West	<u>2,624.84</u>		
		9,422.07	
<b>1999 Attorney Fees</b>			
Brent F. Moody	19,307.83		
Charles W. Whetstone	<u>82.50</u>		
		19,390.33	
<b>2000 Attorney Fees</b>			
Brent F. Moody	39,950.17		
Charles W. Whetstone	<u>167.50</u>		
		40,117.67	
<b>1999 Carry-over Expenses</b>			5,040.67
<b>Geronimo Station expenses</b>			1,547.12
<b>Joint Funding (Stream flow records)</b>			82,700.00
<b>Capital Purchases</b>			
Telemetrying	945.22		
Conductivity Meter	386.07		
GSI Monitoring	16,000.00		
Furniture	224.68		
Gateway Computer & monitor	3,832.16		
AxSys Remote Station	<u>2,014.93</u>		
		23,403.06	
<b>Other expenses</b>			
Annual Audit	1,100.00		
Communications	6,362.12		
Computer	2,620.81		
Insurance & Bonds	3,873.00		
Office Expenses	4,876.14		
Rent and Utilities	7,635.93		
Warranty Extension	593.40		
Tower Rental	960.00		
Workmen's Compensation	1,928.03		
Miscellaneous	883.08		
Water Quality Expendures	610.38		
Contingency Expenses	5,766.09		
Satellite Communication Costs	<u>336.00</u>		
		39,334.78	
<b>Total Disbursements</b>			<b>\$467,094.06</b>
<b>Balance on hand 1/1/2001</b>			<b><u>432,930.51</u></b>
			<b><u>\$900,024.67</u></b>

Note: U.S.G.S. Billing for 2000 not received to date. \$82,700.00  
Geronimo Reserve Fund \$19,388.07  
Legal Fees \$16,875.00



*Colby & Company*

CERTIFIED PUBLIC ACCOUNTANTS

1415 East Guadalupe #104  
Tempe, Arizona 85283

TEL (480) 897-1743  
FAX (480) 820-9959

David M. Colby, C.P.A.  
Scott T. Powell, C.P.A.

**INDEPENDENT AUDITORS' REPORT**

To the Gila Water Commissioner  
Safford, Arizona

We have audited the accompanying financial statements of the Gila Water Commissioner as of and for the year ended December 31, 2000, as listed in the table of contents. These financial statements are the responsibility of the Gila Water Commissioner's management. Our responsibility is to express an opinion on these financial statements based on our audit.

We conducted our audit in accordance with generally accepted auditing standards. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation. We believe that our audit provides a reasonable basis for our opinion.

As described in Note 1, these financial statements were prepared on the cash basis of accounting, which is a comprehensive basis of accounting other than generally accepted accounting principles.

In our opinion, the financial statements referred to above present fairly, in all material respects, the assets, liabilities, and equity of the Gila Water Commissioner as of December 31, 2000, and its revenue, expenses and changes in equity for the year then ended on the basis of accounting described in Note 1.

*Colby & Company*

February 6, 2001

**2000  
SUMMARY OF AUDITS**

**FRANKLIN IRRIGATION DISTRICT**

PARCEL/OWNER NO.	TWP.	RNG.	SEC.	1/4-1/4	DECREED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
109-420-390 & 330-462	19S	21E	2	SW1/4	116.70	116.70	116.70 ac. Planted, No Violation		NA
109-198-009	19S	21E	3	S1/2 NW1/4	88.00	88.00	88.00 ac. Planted, No Violation		NA
109-139-198	19S	21E	3	SW1/4 NE1/4	2.16	2.00	2.00 ac. Planted, No Violation		NA
NA	18S	21E	33	SW1/4 NE1/5	45.00	0.00	0 ac. Planted, No Violation		NA
400-063-001 & 007	8S	31E	13	W1/2 NE1/4	33.30	0.00	0 ac. Planted, No Violation		NA
400-059-002 & 060-001	8S	31E	12	S1/2	62.93	0.00	0 ac. Planted, No Violation		NA
400-061-001	8S	31E	13	NE1/4 NW1/4	9.30	0.00	0 ac. Planted, No Violation		NA
500-015-015B & 009B	8S	32E	18	SE1/4	101.80	96.30	96.30 ac. Planted, No Violation		NA
400-063-004, 009 & 019	8S	31E	13	SENE & NESE	56.87	37.37	37.37 ac. Planted, No Violation		NA
500-025-022	8S	32E	19	N1/2	51.45	0.00	0 ac. Planted, No Violation		NA
500-050-015	8S	32E	29	NE1/4 SE1/4	32.50	32.50	0 ac. Planted, 32.50 ac. Violation	Owner Signed Cease & Desist Order	77.51 Ac-Ft
500-068-002, 003 & 008	8S	32E	32	SE1/4	52.00	0.00	0 ac. Planted, No Violation		NA
500-072-002	8S	32E	33	SE1/4	132.50	0.00	0 ac. Planted, No Violation		NA
DECREED ACRES AUDITED:					784.51	TOTAL PAYBACK & PENALTIES:			
TBI ACRES REPORTED:					5,482.01	77.51 Ac-Ft			
PERCENT AUDITED FOR 2000:					14.3%				

NOTE: SEE PAGES 10-1a to 10-3a FOR WRITTEN SUMMATION OF ACTION TAKEN BY THE GILA WATER COMMISSIONER AND PENALTIES CONSENTED TO BY LAND OWNERS IN VIOLATION OF THE REGULATIONS FOR REPORTING LANDS THEN BEING IRRIGATED (TBI).

**2000  
SUMMARY OF AUDITS**

**GILA VALLEY IRRIGATION DISTRICT**

PARCEL/OWNER NO.	TWP.	RNG.	SEC.	1/4-1/4	DECREED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
107-029-002	6S	28E	31	S1/2	100.20	100.20	100.20 ac. Planted, No Violation	NA	NA
107-036-010C	7S	27E	7	S1/2 SW1/4	88.60	83.50	83.50 ac. Planted, No Violation	NA	NA
107-036-010C	7S	27E	18	N1/2 N1/2	75.70	68.70	68.70 ac. Planted, No Violation	NA	NA
107-033-011	7S	27E	3	W1/2	191.60	145.10	145.10 ac. Planted, No Violation	NA	NA
107-032-011	7S	27E	28	SW1/4 & NE1/4	124.00	124.00	124.00 ac. Planted, No Violation	NA	NA
102-035-002	7S	26E	15	N1/2 SE1/4	31.20	31.20	31.20 ac. Planted, No Violation	NA	NA
103-015-004	7S	26E	21	SE1/4 SE1/4	37.00	37.00	37.00 ac. Planted, No Violation	NA	NA
103-012-009	7S	26E	21	NE/SE	50.40	45.50	45.50 ac. Planted, No Violation	NA	NA
107-047-005A	7S	27E	17	SW/SE	147.50	133.90	127.80 ac. Pltd. 6.1 ac. Violation	Owner Signed Cease & Desist Order	18.21 Ac-Ft
107-030-050B	7S	27E	20	NW/NW	18.00	17.50	17.50 ac. Planted, No Violation	NA	NA
104-013-055	7S	25E	3	SW/SE	49.90	44.55	44.55 ac. Planted, No Violation	NA	NA
104-002-007A	7S	25E	1	NW/SW	20.40	18.60	18.60 ac. Planted, No Violation	NA	NA
109-052-002	6S	24E	1	S1/2	214.70	203.90	203.90 ac. Planted, No Violation	NA	NA
109-053-005	6S	24E	25	SE1/4	185.70	177.60	177.60 ac. Planted, No Violation	NA	NA
109-053-007	6S	24E	25	N1/2	102.60	102.60	102.60 ac. Planted, No Violation	NA	NA
109-063-010	6S	24E	12	N1/2 N1/2	123.33	115.00	115.00 ac. Planted, No Violation	NA	NA
105-008-007	6S	25E	16	S1/2 S1/2	164.50	162.70	162.70 ac. Planted, No Violation	NA	NA
105-009-002	6S	25E	17	SE1/4 & NW1/4	203.65	203.65	203.65 ac. Planted, No Violation	NA	NA
105-009-011	6S	25E	17	N1/2	256.00	240.80	240.80 ac. Planted, No Violation	NA	NA
105-010-002	6S	25E	18	NW 1/4 NE1/4	8.10	8.10	8.10 ac. Planted, No Violation	NA	NA
105-051-019	6S	25E	36	NW1/4	185.00	169.90	169.90 ac. Planted, No Violation	NA	NA
105-051-018B	6S	25E	36	W1/2 E1/2	48.70	44.10	44.10 ac. Planted, No Violation	NA	NA
109-062-003A, 004A	6S	24E	11	S1/2 SW1/4	33.90	32.90	32.90 ac. Planted, No Violation	NA	NA
109-062-008	6S	24E	11	SE1/4 SW1/4	8.40	7.50	7.50 ac. Planted, No Violation	NA	NA
109-064-007	6S	24E	13	SW1/4	30.20	26.80	26.80 ac. Planted, No Violation	NA	NA
109-095-021A	6S	24E	14	NW, NE & SE1/4	103.70	103.70	103.70 ac. Planted, No Violation	NA	NA
109-055-007	6S	24E	9	NE1/4 NE1/4	3.70	3.70	3.70 ac. Planted, No Violation	NA	NA
109-040-014	5S	24E	30	S1/2 SE1/4	21.20	21.20	21.20 ac. Planted, No Violation	NA	NA
109-055-007	6S	24E	10	W1/2 NW1/4	25.20	25.20	25.40 ac. Planted, No Violation	NA	NA
109-021-011	5S	23E	13	SE1/4 SE1/4	11.90	11.90	11.90 ac. Planted, No Violation	NA	NA
108-015-006A	4S	23E	20	S1/2	131.00	129.80	129.80 ac. Planted, No Violation	NA	NA
108-013-008	4S	23E	18	SE1/4	53.92	53.92	53.92 ac. Planted, No Violation	NA	NA
<b>DECREED ACRES AUDITED:</b>					<b>2,849.90</b>			<b>TOTAL PAYBACK &amp; PENALTIES:</b>	<b>18.21 Ac-Ft</b>
<b>TBI ACRES REPORTED:</b>					<b>28,104.21</b>				
<b>PERCENT AUDITED IN 2000:</b>					<b>10.1%</b>				

NOTE: SEE PAGES 10-1a to 10-3a FOR WRITTEN SUMMATION OF ACTION TAKEN BY THE GILA WATER COMMISSIONER AND PENALTIES CONSENTED TO BY LAND OWNERS IN VIOLATION OF THE REGULATIONS FOR REPORTING LANDS THEN BEING IRRIGATED (TBI).

**2000  
SUMMARY OF AUDITS  
SAN CARLOS APACHE TRIBE**

LOCATION	DECREED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
BLACK POINT	66.40	66.40	66.40 Acres Planted, No Violation	NA	NA
NAVAJO POINT	110.60	110.60	110.60 Acres Planted, No Violation	NA	NA
ANDERSON FLAT	86.10	86.10	86.10 Acres Planted, No Violation	NA	NA
DECREED ACRES AUDITED:	263.10				
TBI ACRES REPORTED:	263.10				
PERCENT AUDITED IN 2000:	100.0%				

NOTE: SEE PAGES 10-1a to 10-3a FOR WRITTEN SUMMATION OF ACTION TAKEN BY THE GILA WATER COMMISSIONER AND PENALTIES CONSENTED TO BY LAND OWNERS IN VIOLATION OF THE REGULATIONS FOR REPORTING LANDS THEN BEING IRRIGATED (TBI).

**2000  
SUMMARY OF AUDITS**

**ASARCO INC. AGRICULTURAL LANDS (JJ Anderson Lands)**

TWP.	RNG.	SEC.	DECEED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
4S	14E	35	167.07	123.40	123.4 ac. Planted, No Violation	NA	NA
4S	14E	36	47.80	34.60	34.6 ac. Planted, No Violation	NA	NA
DECEED ACRES AUDITED:				158.00			
TBI ACRES REPORTED:				158.00			
PERCENT AUDITED IN 2000:				100.0%			

NOTE: SEE PAGES 10-1a to 10-3a FOR WRITTEN SUMMATION OF ACTION TAKEN BY THE GILA WATER COMMISSIONER AND PENALTIES CONSENTED TO BY LAND OWNERS IN VIOLATION OF THE REGULATIONS FOR REPORTING LANDS THEN BEING IRRIGATED (TBI).

**2000  
SUMMARY OF AUDITS**

**SAN CARLOS IRRIGATION & DRAINAGE DISTRICT**

ACCOUNT NO.	TWP.	RNG.	SEC.	1/4-1/4	DECREED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
598-44	5S	9E	8	SE1/4 SE1/4	39.60	29.00	29.00 ac. Planted, No Violation	NA	NA
5915-22	5S	9E	15	W1/2 NW1/4	100.00	90.00	90.00 ac. Planted, No Violation	NA	NA
5915-31	5S	9E	15	E1/2 NW1/4	130.00	120.00	120.00 ac. Planted, No Violation	NA	NA
5915-32	5S	9E	15	SW1/4 SW1/4	75.00	70.00	70.00 ac. Planted, No Violation	NA	NA
5916-22	5S	9E	16	W1/2 NW1/4	100.00	20.00	20.00 ac. Planted, No Violation	NA	NA
5916-33	5S	9E	16	W1/2 SW1/4	100.00	90.00	90.00 ac. Planted, No Violation	NA	NA
5921-1	5S	9E	21	NE1/4	141.68	124.00	124.00 ac. Planted, No Violation	NA	NA
5921-22	5S	9E	21	W1/2 NW1/4	80.00	72.00	72.00 ac. Planted, No Violation	NA	NA
5921-24	5S	9E	21	E1/2 NW1/4	80.00	72.00	72.00 ac. Planted, No Violation	NA	NA
6510-43	6S	5E	10	S1/2 S1/2	100.04	100.00	100.00 ac. Planted, No Violation	NA	NA
6514-4	6S	5E	14	SE1/4	143.90	25.00	25.00 ac. Planted, No Violation	NA	NA
6514-32	6S	5E	14	W1/2 SW1/4	80.00	36.00	36.00 ac. Planted, No Violation	NA	NA
6514-34	6S	5E	14	E1/2 SW1/4	80.00	70.00	70.00 ac. Planted, No Violation	NA	NA
6515-2	6S	5E	15	N1/2	200.00	147.00	147.00 ac. Planted, No Violation	NA	NA
6515-4	6S	5E	15	SE1/4	119.65	110.00	110.00 ac. Planted, No Violation	NA	NA
6515-11	6S	5E	15	N1/2 NE1/4	79.96	79.00	79.00 ac. Planted, No Violation	NA	NA
6523-2	6S	5E	23	N1/2 NW1/4	160.00	140.00	140.00 ac. Planted, No Violation	NA	NA
6523-41	6S	5E	23	N1/2 SE1/4	80.00	0.00	0.00 ac. Planted, No Violation	NA	NA
6526-3	6S	5E	26	SW1/4	160.00	80.00	80.00 ac. Planted, No Violation	NA	NA
6526-4	6S	5E	26	SE1/4	160.00	142.00	70.14 ac. Planted, 71.86 ac. Violation	Pending	52.82 ac-ft
6625-4	6S	6E	25	S1/2	320.00	265.00	265.00 ac. Planted, No Violation	NA	NA
6627-3	6S	6E	27	S1/2	220.00	159.50	159.50 ac. Planted, No Violation	NA	NA
6635-4	6S	6E	35	SE1/4 SE1/4	318.29	80.00	80.00 ac. Planted, No Violation	NA	NA
6636-2	6S	6E	36	NW1/4	160.00	125.00	125.00 ac. Planted, No Violation	NA	NA
6636-3	6S	6E	36	SW1/4	160.00	0.00	0.00 ac. Planted, No Violation	NA	NA
6719-43	6S	7E	19	S1/2 SE1/4	80.00	0.00	0.00 ac. Planted, No Violation	NA	NA
6729-3	6S	7E	29	S1/2 E1/2 SE1/4	400.00	354.00	354.00 ac. Planted, No Violation	NA	NA
6730-33	6S	7E	30	S1/2 SW1/4	80.00	35.00	0.00 ac. Planted, 35.00 ac. Violation	Pending	25.73 ac-ft
6730-31	6S	7E	30	N1/2 SW1/4	76.61	0.00	0.00 ac. Planted, No Violation	NA	NA
6730-4	6S	7E	30	SE1/4	160.00	0.00	0.00 ac. Planted, No Violation	NA	NA
762-22	7S	6E	2	Mid1/3 NW1/4	57.00	6.00	6.00 ac. Planted, No Violation	NA	NA
762-21	7S	6E	2	E1/3 NW1/4	60.00	0.00	0.00 ac. Planted, No Violation	NA	NA
<b>DECREED ACRES AUDITED:</b>									<b>78.55</b>
<b>TBI ACRES REPORTED:</b>									<b>TOTAL PAYBACK &amp; PENALTIES:</b>
<b>PERCENT AUDITED FOR 2000:</b>									<b>78.55</b>
									<b>15.2%</b>

NOTE: SEE PAGES 10-18 to 10-38 FOR WRITTEN SUMMARY OF ACTION TAKEN BY THE GILA WATER COMMISSIONER AND PENALTIES CONSENTED TO BY LAND OWNERS IN VIOLATION OF THE REGULATIONS FOR REPORTING LANDS THEN BEING IRRIGATED (TBI).

**2000  
SUMMARY OF AUDITS**

**GILA RIVER INDIAN COMMUNITY**

TOWNSHIP	RANGE	SECTION	DECEED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
3S	4E	22	130.00	12.00	130.00 ac. Planted, No Violation	NA	NA
3S	5E	21	207.20	14.04	14.04 ac. Planted, No Violation	NA	NA
4S	5E	3	238.45	52.21	52.21 ac. Planted, No Violation	NA	NA
4S	5E	10	392.00	380.63	380.63 ac. Planted, No Violation	NA	NA
4S	6E	4	601.05	355.32	355.32 ac. Planted, No Violation	NA	NA
4S	6E	14	306.36	166.10	166.10 ac. Planted, No Violation	NA	NA
DECEED ACRES AUDITED:			1875.06				
TBI ACRES REPORTED:			16,896.03				
PERCENT AUDITED IN 2000:			11.1%				

NOTE: SEE PAGES 10-1a to 10-3a FOR WRITTEN SUMMATION OF ACTION TAKEN BY THE GILA WATER COMMISSIONER AND PENALTIES CONSENTED TO BY LAND OWNERS IN VIOLATION OF THE REGULATIONS FOR REPORTING LANDS THEN BEING IRRIGATED (TBI).

# CALENDAR YEAR 2000

## GILA RIVER DECREED ACREAGES AND DIVERSIONS

<u>DUNCAN VALLEY CANALS</u>	<u>Acreages</u>	<u>T B I Acres</u>	<u>Acre-feet</u>	<u>Duty T B I a-f/a</u>
Sunset	2,759.90	2,429.74	3,932	1.62
New Model	2,717.65	2,034.77	3,233	1.59
Valley	1,387.20	1,017.50	1,341	1.32
Colmenero	441.00	0	0	0
Sexton	137.90	0	0	0
R. Sexton	144.10	0	0	0
York	315.10	0	0	0
Albert	8.80	0	0	0
F E Ross	11.60	0	0	0
R K Davis	26.30	0	0	0
J H Brown	25.60	0	0	0
York Cattle	49.80	0	0	0
Laura Short	36.50	0	0	0
<b>Totals</b>	<b>8,061.35</b>	<b>5,482.01</b>	<b>8,506</b>	<b>1.55</b>

Water issued for 5,482.01 T.B.I. acres on 12/01/00. Monthly modification of T.B.I. Acres are shown on diversions plates.

<u>SAFFORD VALLEY DIVERSIONS</u>	<u>Acreages</u>	<u>T B I Acres</u>	<u>Acre-feet</u>	<u>Duty T B I a-f/a</u>
Consolidated Brown	1,326.90	1,102.93	1,907	1.73
Fourness	210.70	189.60	110	.58
San Jose	4,150.03	3,689.26	7,339	1.99
Montezuma	4,835.96	3,917.38	6,652	1.70
Union	7,371.96	5,824.42	10,498	1.80
Graham	4,217.68	3,889.22	4,909	1.26
Smithville	2,549.33	2,320.36	4,324	1.86
Dodge-Nevada	2,516.54	2,391.44	2,981	1.25
Curtis	1,971.70	1,752.85	4,429	2.53
Fort Thomas	3,155.70	2,861.25	5,627	1.97
Colvin-Jones	205.90	165.50	87	.53
<b>Totals</b>	<b>32,512.40</b>	<b>28,104.21</b>	<b>48,863</b>	<b>1.74</b>

Water issued for 28,104.21 T.B.I. acres on 12/01/00. Monthly modification of T.B.I. Acres are shown on diversions plates.

<u>SAN CARLOS APACHE RESERVATION</u>	<u>Acreages</u>	<u>T B I Acres</u>	<u>Acre-feet</u>	<u>Duty T B I a-f/a</u>
Black Point	69.88	66.40	320	4.82
Bylas (Navajo Point)	141.36	110.60	7	.07
Anderson Flat	90.31	86.10	546	6.34
Non-designated lands	97.87			
<b>Totals</b>	<b>1,000.00</b>	<b>263.10</b>	<b>873</b>	<b>3.32</b>

Water issued for 263.10 T.B.I. acres on 12/01/00. Monthly modification of T.B.I. Acres are shown on diversions plates.

<u>WINKELMAN VALLEY</u>	<u>Acreages</u>	<u>T B I Acres</u>	<u>Acre-feet</u>	<u>Duty T B I a-f/a</u>
Industrial/Municipal (ASARCO) <sup>(1)</sup>	793.00	793.00	11,173	
Domestic/Municipal (Keamy, Arizona)	101.73	101.73	399	3.92
Farmlands	244.16	0	0	
J J Anderson	196.27	158.00	322	2.04
<b>Totals</b>	<b>1,335.16</b>	<b>1,052.73</b>	<b>11,894</b>	

Water issued for 1,052.73 T. B. I. Acres on 12/01/00. Monthly modification of T.B.I. Acres are shown on diversions plates.

<u>UNITED STATES OF AMERICA</u>	<u>Acreages</u>	<u>T B I Acres</u>	<u>Acre-feet</u>	<u>Decreed Duty a-f/a</u>	<u>TBI Duty a-f/a</u>
Indian lands (Allotted/Tribal)	50,000	16,896.03	11,923	0.24	0.71
Federal Agencies	546	.0	17,790	0.35	1.05
	50,546	16,896.03	29,713	0.59	1.76
White Lands					
San Carlos Irrigation & Drainage Dist	50,000	27,919.36	13,597	0.27	0.49
			14,700	0.29	0.53
	50,000	27,919.36	28,297	0.57	1.02
Natural Flow Lands	1,544.5	408.00	501	0.32	1.23
	51,544.5	28,327.36	28,798	0.56	1.02
<b>Totals</b>	<b>102,090.5</b>	<b>45,223.39</b>	<b>58,511</b>	<b>0.57</b>	<b>1.29</b>
	102,090.5	45,223.39	26,021	0.25	0.58
	100,546	44,815.39	32,490	0.32	0.72

Water issued for 45,223.39 T.B.I. acres on 12/01/00. Monthly modification of T.B.I. Acres are shown on diversions plates.

Diversions from Picacho Reservoir are reflected above.

<sup>(1)</sup> Entitled to annual diversion of 16,221 acre-feet. (Article IX, et al 59)





# SAN CARLOS APACHE TRIBE FARM REPORT

2000

This annual farm report by the GWC is pursuant to the Court's Water Quality Injunction filed on June 3, 1998  
All data reported is supplied by the San Carlos Apache Tribe unless shown otherwise

## BLACK POINT

MONTH	FIELD NO.	CROP PLANTED	DATE PLANTED	ACRES TBI	DATES IRRIGATED (from - to)	SOURCE OF WATER APPLIED				COMBINED WATER QUALITY (US/cm)	CROP YIELD (cons/acre)	COMMENTS OR UNUSUAL PROBLEMS	DATA BY GWC							
						GILA RIVER DIVERSIONS QUALITY (US/cm)	TRIBAL WELLS (ac-ft)	WATER QUALITY (US/cm)	WELLS (ac-ft)				DATE	Water Quality US/cm						
JAN	1021W	ALF	96-97	12.20			0.00	0.00	0.00			Jan 13	1870							
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80			0.00	0.00	0.00											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
FEB	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80			0.00	0.00	0.00											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
MAR	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80	MAR 10-14	2212	10.92	10.02	10.02		Mar 10 & 25-24, Disked, Field Preparation	Mar 10	3940							
	1022E	NONE	96-97	12.60	MAR 6-27	4020	73.65	73.65	73.65		Mar 1-14, Disked, dragged and plowed	Mar 17	3750							
APR	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80			0.00	0.00	0.00											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
MAY	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80			0.00	0.00	0.00											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
JUNE	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80			0.00	0.00	0.00											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
JULY	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80	JULY 17-24	28.14	28.14	28.14	28.14											
	1022E	NONE	96-97	12.60	JULY 24-31	34.32	34.32	34.32	34.32											
AUG	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80	AUG 1-7	15.47	15.47	15.47	15.47											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
SEPT	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80	AUG 1-7	27.74	27.74	27.74	27.74											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
OCT	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80	SEPT 21-24	12.85	12.85	12.85	12.85											
	1022E	NONE	96-97	12.60	SEPT 11-21	31.96	31.96	31.96	31.96											
NOV	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80	SEPT 7-16	50.10	50.10	50.10	50.10											
	1022E	NONE	96-97	12.60	OCT 9-12 & 16-17	8.66	8.66	8.66	8.66											
DEC	1021W	ALF	96-97	12.20			0.00	0.00	0.00											
	1021E	ALF	96-97	23.80			0.00	0.00	0.00											
	1022W	NONE	96-97	17.80			0.00	0.00	0.00											
	1022E	NONE	96-97	12.60			0.00	0.00	0.00											
TOTALS FOR BLACK POINT:											68.40									
DUTY FOR BLACK POINT (AC-FT/AC)											4.78									

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**SAN CARLOS APACHE TRIBE FARM REPORT (CONT.)**

2000

This annual farm report by the GWC is pursuant to the Court's Water Quality Judgment filed on June 3, 1999. All data reported is supplied by the San Carlos Apache Tribe unless shown otherwise.

**NAVAJO POINT**

MONTH	FIELD NO.	CROP	DATE PLANTED	ACRES	DAYS IRRIGATED (from - to)	SOURCE OF WATER APPLIED				COMBINED RIVER & WELLS (cc-ft)	CROP YIELD (CENTRALS)	COMMENTS OR UNUSUAL PROBLEMS	DATE	WATER QUALITY USCM
						SILA RIVER (cc-ft)	WATER QUALITY (USCM)	TRIAL WELLS (cc-ft)	WATER QUALITY (USCM)					
JAN	1041	NONE		NA					0.00			Jan 19	1840	
	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
	1045	ALF	04-37	39.78					0.00	FEED				
FEB	1048	ALF	04-37	34.69					0.00	FEED				
	1041	NONE		NA					0.00					
	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
MAR	1045	ALF	04-37	39.78					0.00	FEED				
	1048	ALF	04-37	34.69					0.00	FEED				
	1041	NONE		NA					0.00					
	1043	ALF	04-37	23.39					0.00	FEED				
APR	1044	ALF	04-37	13.00					0.00	FEED				
	1045	ALF	04-37	39.78					0.00	FEED				
	1048	ALF	04-37	34.69					0.00	FEED				
	1041	NONE		NA					0.00			Apr 9	4050	
MAY	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
	1045	ALF	04-37	39.78					0.00	FEED				
	1048	ALF	04-37	34.69					0.00	FEED				
JUNE	1041	NONE		NA					0.00					
	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
	1045	ALF	04-37	39.78					0.00	FEED				
JULY	1048	ALF	04-37	34.69					0.00	FEED				
	1041	NONE		NA					0.00					
	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
AUG	1045	ALF	04-37	39.78					0.00	FEED				
	1048	ALF	04-37	34.69					0.00	FEED				
	1041	NONE		NA					0.00					
	1043	ALF	04-37	23.39					0.00	FEED				
SEPT	1044	ALF	04-37	13.00					0.00	FEED				
	1045	ALF	04-37	39.78					0.00	FEED				
	1048	ALF	04-37	34.69					0.00	FEED				
	1041	NONE		NA					0.00					
OCT	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
	1045	ALF	04-37	39.78					0.00	FEED				
	1048	ALF	04-37	34.69					0.00	FEED				
NOV	1041	NONE		NA					0.00					
	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
	1045	ALF	04-37	39.78					0.00	FEED				
DEC	1048	ALF	04-37	34.69					0.00	FEED				
	1041	NONE		NA					0.00					
	1043	ALF	04-37	23.39					0.00	FEED				
	1044	ALF	04-37	13.00					0.00	FEED				
TOTALS FOR NAVAJO POINT													119.93	8.81

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**SAN CARLOS APACHE TRIBE FARM REPORT**  
**2000**

This annual farm report by the GMC is pursuant to the Court's Water Quality Injunction filed on June 3, 1998  
All data reported is supplied by the San Carlos Apache Tribe unless shown otherwise

**ANDERSON FLAT**

MONTH	FIELD NO.	CROP	DATE PLANTED	ACRES TBI	DATES IRRIGATED (from - to)	SOURCE OF WATER APPLIED					USE OF CROP	CROP YIELD (ton/acre)	COMMENTS OR UNUSUAL PROBLEMS	DATA BY GMC	
						GILA RIVER DIVERSIONS (ac-ft)	WATER QUALITY (uS/cm)	TRIAL WELLS (ac-ft)	WATER QUALITY (uS/cm)	COMBINED RIVER & WELLS (ac-ft)				DATE	Water Quailty uS/cm
JAN	1047	ALF	Apr-89	27.39		0.00	0.00	0.00	0.00	0.00					
	1048	ALF	Apr-89	14.80		0.00	0.00	0.00	0.00	0.00					
	1049	NONE	Apr-89	22.40		0.00	0.00	0.00	0.00	0.00					
FEB	1050	ALF	Apr-89	21.60		0.00	0.00	0.00	0.00	0.00					
	1047	ALF	Apr-89	27.39	FEB 3-17	61.58	3142	0.00	61.58	61.58				Feb 3	2770
	1048	ALF	Apr-89	14.80	FEB 17-20 & 23-25	0.00	3850	0.00	0.00	0.00				Feb 15	3400
MAR	1049	NONE	Apr-89	22.40	FEB 23-25	13.56	2380	0.00	13.56	13.56				Feb 17	3460
	1050	ALF	May-89	21.60		6.63	2380	0.00	6.63	6.63				Feb 25	3600
	1047	ALF	Apr-89	27.39		0.00	0.00	0.00	0.00	0.00					
APR	1048	ALF	Apr-89	14.80		0.00	0.00	0.00	0.00	0.00					
	1049	NONE	Apr-89	22.40		0.00	0.00	0.00	0.00	0.00					
	1050	ALF	May-89	21.60		0.00	0.00	0.00	0.00	0.00					
MAY	1047	ALF	Apr-89	27.39	MAR 29-FEB 3	0.00	3970	0.00	0.00	0.00				Apr 24	3860
	1048	ALF	Apr-89	14.80		21.86	0.00	0.00	21.86	21.86				Apr 26	4000
	1049	NONE	Apr-89	22.40		0.00	0.00	0.00	0.00	0.00				Apr 11	4100
JUNE	1050	ALF	May-89	21.60	APR 3-11	40.69	3300	0.00	40.69	40.69				May 1	4365
	1047	ALF	Apr-89	27.39	May 7-14	40.40	0.00	0.00	40.40	40.40				May 5	4365
	1048	ALF	Apr-89	14.80	May 2-7	35.91	0.00	0.00	35.91	35.91				May 14	3710
JULY	1049	NONE	Apr-89	22.40	May 14-22	48.14	0.00	0.00	48.14	48.14				May 23	3940
	1050	ALF	May-89	21.60	May 22-23	7.18	0.00	0.00	7.18	7.18				June 16	4830
	1047	ALF	Apr-89	27.39	June 15-25	21.85	2743	0.00	21.85	21.85				June 22	4430
AUG	1048	ALF	Apr-89	14.80	June 12-17 & 28-30	0.00	2480	0.00	0.00	0.00				June 13	4480
	1049	NONE	Apr-89	22.40		18.96	0.00	0.00	18.96	18.96					
	1050	ALF	May-89	21.60	June 12-17	13.52	4835	0.00	13.52	13.52					
SEPT	1047	ALF	Apr-89	27.39		0.00	0.00	0.00	0.00	0.00					
	1048	ALF	Apr-89	14.80	Aug 1-3	12.43	0.00	0.00	12.43	12.43				Aug 1	4160
	1049	NONE	Apr-89	22.40	Aug 3-19	38.38	0.00	0.00	38.38	38.38				Aug 8	3730
OCT	1050	ALF	May-89	21.60	Aug 10-18	37.58	0.00	0.00	37.58	37.58					
	1047	ALF	Apr-89	27.39	Sept 25-28	9.00	0.00	0.00	9.00	9.00				Sept 13	3580
	1048	ALF	Apr-89	14.80	Sept 14-25	11.75	0.00	0.00	11.75	11.75				Sept 14	4480
NOV	1049	NONE	Apr-89	22.40	Oct 8-12	42.54	0.00	0.00	42.54	42.54				Sept 28	2090
	1050	ALF	May-89	21.60		9.73	0.00	0.00	9.73	9.73					
	1047	ALF	Apr-89	27.39		0.00	0.00	0.00	0.00	0.00				Oct 9	3690
DEC	1048	ALF	Apr-89	14.80		0.00	0.00	0.00	0.00	0.00					
	1049	NONE	Apr-89	22.40		0.00	0.00	0.00	0.00	0.00					
	1050	ALF	May-89	21.60		0.00	0.00	0.00	0.00	0.00					
TOTALS FOR ANDERSON FLAT:				98.19		483.44				483.44					
DUTY FOR NAVAJO POINT (AC-FT/AC)				5.81											

NOTE: CNWSC - CORN AND SUGAR CANE

TBI = 263.10 AC	WATER USED = 802.23 AC-FT	DUTY = 3.05 AC-FT/AC	YIELD = 61.28 TON/AC
CROP YIELD APPLICABLE TO ANDERSON FLAT ONLY.			



# 2000

## MASS DIAGRAM OF DUNCAN VALLEY

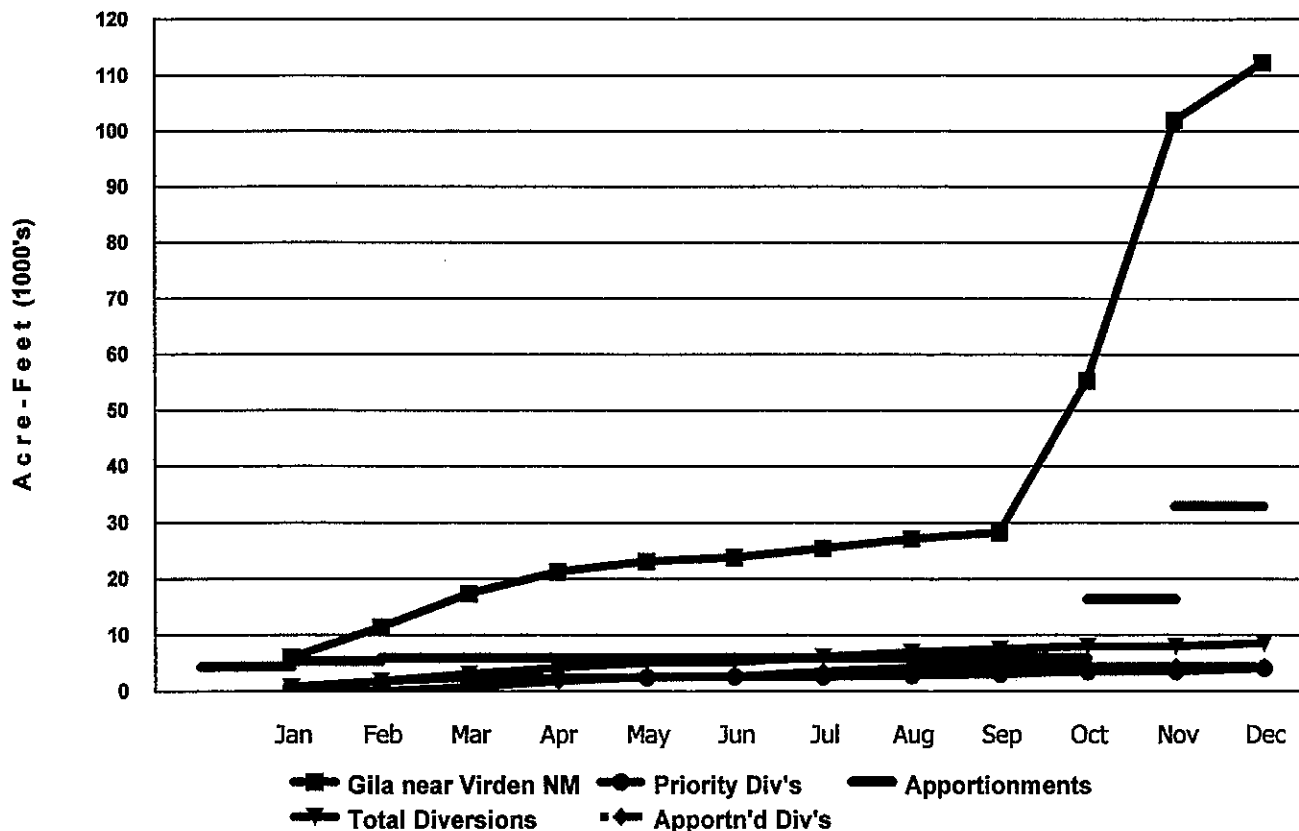
DIVERSIONS, APPORTIONMENTS, & RIVER FLOWS

In Acre-feet

Month	Monthly Gila River Below Blue Creek	Accumulated				Water AppORTIONED
		Gila River Below Blue Creek	Total Diversions	Priority Diversions	AppORTIONED Diversions	
JAN	5,992	5,992	801	786	15	4,353
FEB	5,387	11,379	1,808	1,765	43	5,300
MAR	5,996	17,375	3,063	2,358	705	5,933
APR	3,900	21,275	4,191	2,358	1,833	5,869
MAY	1,849	23,124	5,061	2,499	2,562	5,865
JUN	603	23,727	5,236	2,636	2,600	5,882
JUL	1,672	25,399	6,077	2,636	3,441	5,882
AUG	1,696	27,095	6,983	2,843	4,140	5,882
SEP	1,142	28,237	7,457	2,998	4,459	5,860
OCT	27,014	55,251	7,964	3,505	4,459	5,860
NOV	46,648	101,899	7,977	3,518	4,459	16,281
DEC	10,334	112,233	8,506	4,047	4,459	32,893

Graph :	Gila near Virden NM	Total Diversions	Priority Div's	AppORTN'd Div's	AppORTIONMENTS
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2000

VALLEY CANAL: 1,387.20 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	8.7	8.7		7.7	7.7		4.5	4.5					9.0		9.0			
2	8.5	8.5		7.7	6.2	1.5	4.4	4.4					10.4		10.4			
3	8.7	8.7		7.7	7.7		4.5	4.5					9.1		9.1			
4	9.0	9.0		2.1	2.1		4.5	4.5					5.3		5.3			
5	10.4	10.4					4.5	4.5					6.4		6.4			
6	10.4	10.4					4.3	4.3					7.4		7.4			
7	8.8	8.8					4.6	4.6					6.8		6.8			
8	3.5	3.5					4.4	4.4					5.6		5.6			
9							4.8	4.8					4.9		4.9			
10							4.7	4.7					4.2		4.2			
11							4.7	4.7					1.8		1.8			
12							4.5		4.5				1.4		1.4			
13							4.3		4.3				1.0		1.0			
14							3.3		3.3				0.5		0.5			
15							3.2		3.2									
16							0.9		0.9									
17																		
18																		
19	2.9	2.9		1.8	1.8					8.1		8.1						
20	8.8	9.8		5.3	5.3					9.4		9.4						
21	11.0	11.0		1.8	1.8					9.2		9.2						
22	11.0	11.0		3.2	3.2					7.3		7.3						
23	10.9	10.9		4.4	4.4					4.8		4.8						
24	10.9	10.9		4.5	4.5					6.7		6.7						
25	11.0	11.0		4.8	4.7	0.1				11.5		11.5						
26	11.0	4.7	6.3	5.3	5.3					11.2		11.2						
27	10.8	9.8	1.0	4.9	4.7	0.2				12.0		12.0						
28	11.1	11.1		4.4	4.4					11.5		11.5						
29	8.8	8.8		4.3	4.3					9.0		9.0						
30	7.8	7.8								9.2		9.2						
31	7.8	7.8																
<b>Total</b>	<b>183.2</b>	<b>175.9</b>	<b>7.3</b>	<b>89.9</b>	<b>88.1</b>	<b>1.8</b>	<b>85.8</b>	<b>49.8</b>	<b>16.2</b>	<b>109.7</b>		<b>109.7</b>	<b>72.8</b>		<b>72.8</b>			
Acra-foot		363			139			131			218			144				
Priority Diverted		349			135			98										
Apport Diverted		14			4			32			218			144				
Appor diverted to date		14			18			50			288			412				412
TBI acreage		898.74			898.74			1017.44			1017.44			1017.44				1017.44
Apportioned		825			977			1109			1089			1089				1089
Duty		0.40			0.18			0.08			0.21			0.14				

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1																			
2																			
3							0.3	0.3											
4																			
5																			
6																			
7																			
8																6.6	6.6		
9																10.1	10.1		
10																10.1	10.1		
11																10.1	10.1		
12																10.1	10.1		
13																10.1	10.1		
14																9.8	9.8		
15																9.9	9.9		
16																10.1	10.1		
17																10.1	10.1		
18										6.1	6.1					10.0	10.0		
19										8.2	8.2					9.8	9.8		
20										8.1	8.1					10.0	10.0		
21										7.9	7.9					6.5	6.5		
22										8.2	8.2					1.0	1.0		
23										1.9	1.9								
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
<b>Total</b>							<b>0.3</b>	<b>0.3</b>		<b>40.4</b>	<b>40.4</b>					<b>134.3</b>	<b>134.3</b>		
Acra-foot								1			80						268	1341	
Priority Diverted								1			80						268	929	
Apport Diverted																		412	
Appor diverted to date											412			412				412	
TBI acreage											1017.50			1017.5				1017.50	
Apportioned											1089			3022				8105	
Duty								0.09			0.08							1.32	

Diversion on North side of Gila River in NEKKNW, Sec. 4, T. 19 S., R. 21 W., NMPB. Water stage tower and 9 ft Parshall flume located in NW/4SE, Sec. 34, T. 9 S., R. 22 E.  
Record good

2000

SAFFORD VALLEY: 32,512.40 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	130.2	130.2		132.6	132.6		193.5	178.8	17.9	149.4		149.4	14.9		14.9	28.7	27.8	1.2
2	129.1	129.1		129.7	129.7		182.2	187.4	14.8	139.2	0.8	138.4	0.5	0.5		30.0	28.7	1.3
3	107.7	107.7		218.7	188.7	52.0	183.7	181.8	22.1	138.9		138.9				29.4	28.9	0.5
4	98.7	98.7		234.9	201.0	33.9	188.8	182.8	24.0	126.7		126.7				27.8	27.8	
5	87.9	87.9		238.3	231.9	4.4	192.1	187.3	24.8	118.0		118.0				28.8	28.8	
6	87.1	87.1		240.6	240.6		196.4	172.0	24.4	114.8		114.8				31.2	30.8	0.4
7	50.5	50.5		238.4	238.4		200.2	199.0	1.2	118.3		118.3				28.8	28.8	
8	48.9	48.9		235.8	238.6		197.6	187.8		110.3		110.3				28.4	28.4	
9	44.3	44.3		233.8	228.9	6.7	190.3	190.3		108.2		108.2				31.4	31.4	
10	68.9	68.9		231.4	227.8	3.8	193.9	193.9		103.5		103.5				33.9	33.9	
11	72.5	72.5		230.0	225.8	4.4	188.9	185.4	21.5	92.0		92.0				32.6	31.8	1.0
12	71.3	71.3		232.0	228.0	6.0	184.0	180.3	33.7	87.8		87.8				8.4	8.4	
13	71.0	71.0		234.3	224.8	9.5	176.4	90.0	88.4	78.4		78.4						
14	74.1	74.1		232.8	228.0	4.8	178.8	43.1	133.7	71.1		71.1						
15	82.6	82.6		234.5	231.5	3.0	178.3	52.3	125.5	74.1		74.1				0.8		0.8
16	80.4	80.4		234.9	228.4	6.6	178.9	37.1	139.8	70.1		70.1				1.1		1.1
17	77.2	77.2		231.2	222.4	8.8	171.1		171.1	82.8		82.8						
18	74.1	74.1		225.8	206.5	20.0	167.4		167.4	58.8		58.8						
19	73.8	73.8		217.8	195.8	22.0	186.7		186.7	58.8		58.8						
20	73.8	73.8		212.3	185.4	28.8	184.8		184.8	58.8		58.8						
21	73.3	73.3		186.4	171.8	24.8	186.8		186.8	58.2		58.2				2.6		2.6
22	80.8	80.8		188.1	178.7	21.4	182.9		182.9	58.8		58.8				28.8		28.8
23	84.9	84.9		200.8	178.7	24.8	173.0		173.0	63.2		63.2	26.5		26.5	89.5		89.5
24	84.8	84.8		199.8	178.2	23.4	173.7	0.8	172.9	80.5		80.5	40.9		40.9	87.2		87.2
25	82.0	82.0		202.2	173.8	28.7	182.1	43.1	139.0	80.0		80.0	37.2		37.2	80.4		80.4
26	79.7	79.7		188.8	174.1	24.7	186.5	0.8	184.7	48.3		48.3	36.1		36.1	21.9		21.9
27	108.5	71.8	33.9	202.7	179.4	23.3	178.6		178.6	47.8		47.8	35.9		35.9			
28	129.4	116.4	13.0	203.4	178.8	26.8	173.9	0.8	173.1	45.8		45.8	34.8		34.8	2.7		2.7
29	134.5	134.5		200.2	176.0	24.2	171.3	8.8	184.7	45.8		45.8	32.9	13.4	19.9			
30	135.7	135.7					188.7	0.8	187.9	45.0		45.0	30.7	28.5	1.2	89.8		89.8
31	138.8	138.8					165.3	0.8	164.5				28.0	28.8	1.2			
<b>Total</b>	<b>2702.4</b>	<b>2855.5</b>	<b>48.9</b>	<b>6218.8</b>	<b>5782.8</b>	<b>436.2</b>	<b>5837.1</b>	<b>2379.7</b>	<b>3187.4</b>	<b>2421.5</b>	<b>0.8</b>	<b>2420.7</b>	<b>318.2</b>	<b>79.2</b>	<b>248.0</b>	<b>883.5</b>	<b>334.6</b>	<b>328.9</b>
Acre-feet		5361			12336			10984			4804			631			1317	
Priority Diverted		5288			11470			4719			2			140			864	
Apport Diverted		93			885			8282			4802			481			854	
Apport diverted to date		93			958			7220			12022			12513			13187	
TBI acreage		27768.09			28188.84			28285.04			28331.74			28331.74			28331.74	
Apportioned		25835			30737			30831			30315			30315			30315	
Duty		0.19			0.43			0.39			0.17			0.02			0.05	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1	108.9			108.9	0.8		190.1	190.1		0.5	0.5								
2	127.7			127.7	29.4		187.9	187.9		37.4	13.3	24.1							
3	101.2			101.2	87.7		128.4	128.4		49.9	13.3	38.6							
4	91.8	0.8		90.8	83.4		115.7	115.7		40.3	40.3								
5	92.5			92.5	23.8		92.8	88.4	4.2	18.1	18.1								
6	78.8			78.8	2.9		79.1	20.4	58.7	0.8	0.8								
7	88.8			88.8	0.7		80.8		80.8										
8	88.8			88.8	81.7		89.0		89.0	0.5		0.6							
9	24.3			24.3	108.8		88.8		88.8	1.2		1.2							
10	3.1			3.1	134.2		83.0		83.0	38.8	19.2	17.8							
11	41.8			41.8	150.2	143.8	55.9		55.9	84.1	24.5	59.8							
12	45.8			45.8	147.8	139.2	22.5		22.5	86.4	86.4								
13	2.0			2.0	149.2	20.5	128.7	4.0	4.0	88.2	88.2								
14	0.8			0.8	134.8	20.5	114.0	3.1	3.1	82.2	82.2								
15				91.8			24.0		24.0	31.2	31.2					7.7		7.7	
16				88.8	0.8	88.8	51.2		51.2	18.7	18.7					12.2		12.2	
17	19.8			19.8	40.9		55.2		55.2	12.7	12.7					12.6		12.6	
18	38.0			38.0	3.1		48.3		48.3	3.5	3.5					12.6		12.6	
19	35.8			35.8	80.2		19.8		19.8							12.4		12.4	
20	14.8			14.8	88.8		1.4		1.4							21.8		21.8	
21				90.1		90.1	1.7		1.7							40.4		40.4	
22				89.3	6.5		82.8	0.8	0.8							60.8		60.8	
23				88.8		88.8										52.3		52.3	
24				88.7	81.8	28.9	39.1		39.1							53.2		53.2	
25				88.8	0.8	87.8	89.7		89.7							55.3		55.3	
26	27.3			27.3	84.1		51.5		51.5							68.1		68.1	
27	48.4			48.4	72.9		48.2		48.2							72.4		72.4	
28	52.1			52.1	92.0		18.1		18.1							79.9		79.9	
29	62.8			62.8	185.7											98.1		98.1	
30	22.7			22.7	208.9	177.0	28.9	0.8	0.5	0.1						88.7		88.7	
31	0.8			0.8	212.2	212.2										82.5		82.5	
<b>Total</b>	<b>1159.2</b>	<b>0.8</b>	<b>1158.4</b>	<b>2710.4</b>	<b>783.1</b>	<b>1827.3</b>	<b>1545.2</b>	<b>688.4</b>	<b>848.8</b>	<b>539.5</b>	<b>389.9</b>	<b>139.8</b>				<b>818.6</b>	<b>818.6</b>		
Acre-feet		2299			5378			3085			1071						1823		48883
Priority Diverted		2			1653			1384			794						1823		27817
Apport Diverted		2298			3824			1879			278								21246
Apport diverted to date		18485			19288			20988			21248			21248			21246		21248
TBI acreage		28331.74			28257.04			28104.21			28104.21			28104.21			28104.21		28104.21
Apportioned		30315			30235			30072			30072			30470			168825		168825
Duty		0.08			0.19			0.12			0.04						0.08		1.74

# 2000

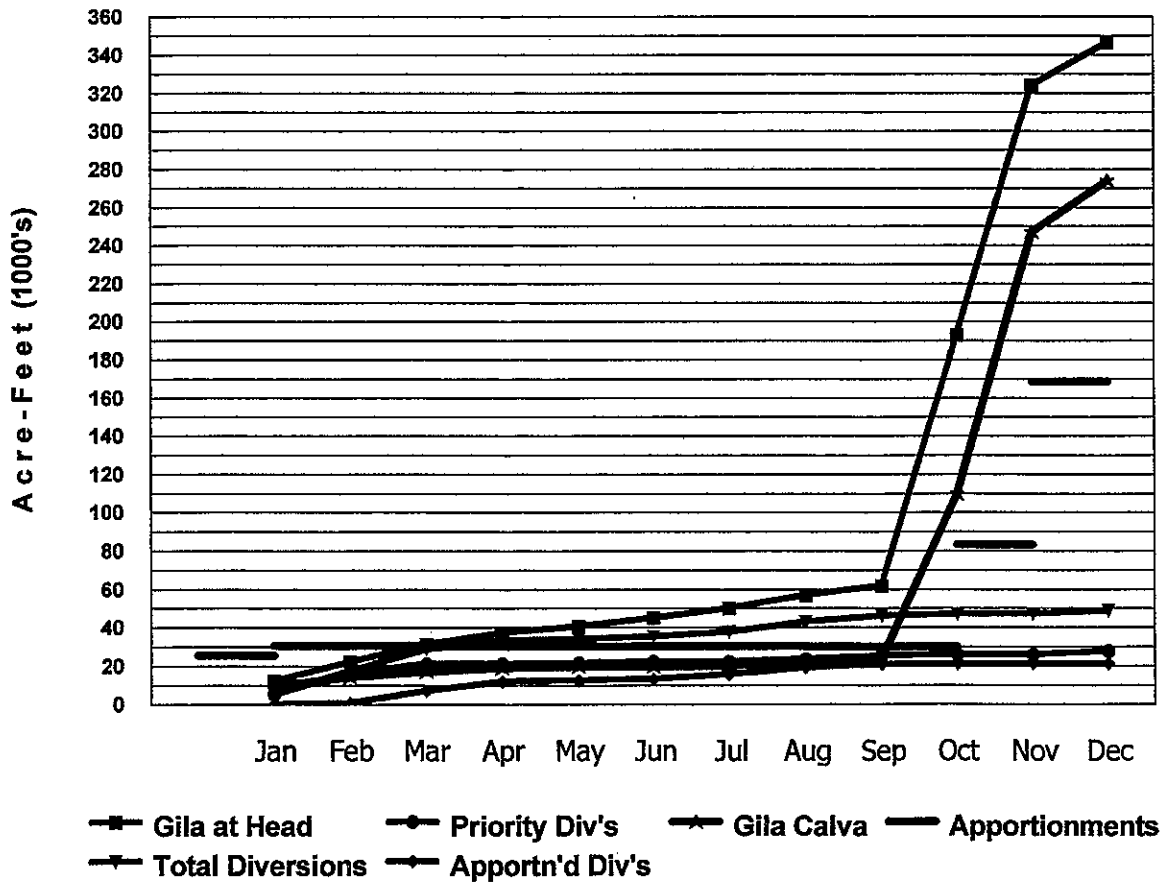
## MASS DIAGRAM OF SAFFORD VALLEY

DIVERSIONS, APPORTIONMENTS, & RIVER FLOWS

In Acre-feet

Month	Monthly Gila River at Head of Safford Valley	Accumulated			Water Apportioned	Accumulated Gila River At Calva	Monthly Gila River At Calva
		Gila River at Head of Safford Valley	Total Diversions	Priority Diversions			
JAN	12,163	12,163	5,361	5,268	93	25,535	9,578
FEB	10,056	22,219	17,697	16,739	958	30,737	14,408
MAR	9,055	31,274	28,681	21,461	7,220	30,831	17,278
APR	5,998	37,272	33,485	21,463	12,022	30,315	19,458
MAY	3,507	40,779	34,116	21,603	12,513	30,315	19,955
JUN	4,393	45,172	35,433	22,266	13,167	30,315	20,082
JUL	5,042	50,214	37,732	22,267	15,465	30,315	20,392
AUG	6,805	57,019	43,108	23,819	19,289	30,235	22,996
SEP	4,832	61,851	46,173	25,205	20,968	30,072	23,881
OCT	131,393	193,244	47,244	25,998	21,246	30,072	109,844
NOV	131,133	324,377	47,244	25,998	21,246	83,470	247,007
DEC	22,473	346,850	48,863	27,617	21,246	168,625	274,092

Graph:      Gila at Head      Total Diversions      Priority Div's      Apportn'd Div's      Apportionments      Gila Calva



2000

CONSOLIDATED BROWN CANAL: 1,326.90 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	5.8	5.8		3.4	3.4		7.3	7.3		7.2		7.2	1.4		1.4	1.7	1.7	
2	5.7	5.7		0.5	0.5		7.4	7.4		6.2		6.2				1.3	1.3	
3	5.7	5.7		0.4	0.4		7.3	7.3		5.4		5.4	0.5	0.5		1.4	1.4	
4	8.0	8.0					7.2	7.2		5.4		5.4				1.5	1.5	3.4
5	2.5	2.5					6.9	6.9		5.4		5.4				1.6	1.6	
6							7.1	7.1		5.3		5.3				1.6	1.6	
7							7.4	7.4		5.3		5.3				2.0	2.0	
8							7.4	7.4		5.3		5.3				2.0	2.0	
9							7.2	7.2		5.2		5.2				1.9	1.9	
10							7.7	7.7		4.8		4.8				1.9	1.9	
11							7.6	7.6		4.5		4.5				1.9	1.9	
12							7.5	7.1	0.4	4.5		4.5				0.7	0.7	
13							7.3	4.3	3.0	4.2		4.2						
14							7.1	2.5	4.6	4.0		4.0						
15	2.6	2.6					7.0	3.0	4.0	3.8		3.8						
16	3.7	3.7		3.5	3.5		6.8	2.2	4.6	3.6		3.6						
17	3.7	3.7		7.4	7.4		6.8		6.8	3.3		3.3						
18	3.7	3.7		7.4	7.4		6.8		6.8	3.0		3.0						
19	3.7	3.7		7.4	7.4		6.6		6.6	2.9		2.9						
20	3.7	3.7		7.3	7.3		6.9		6.9	2.9		2.9						
21	3.8	3.8		7.2	7.2		6.0		6.0	2.9		2.9						
22	3.5	3.5		7.1	7.1		5.3		5.3	2.5		2.5						
23	3.5	3.5		7.2	7.2		6.6		6.6	2.4		2.4						
24	3.3	3.3		7.4	7.4		7.1		7.1	2.4		2.4	1.9		1.9	3.7	4.5	3.7
25	1.9	1.9		7.4	7.4		6.8	2.5	4.3	2.2		2.2	2.6		2.6	3.4	3.4	
26	0.6	0.6		7.3	7.3		7.0		7.0	2.1		2.1	2.2		2.2	1.7	1.7	1.7
27	5.7	5.7		7.2	7.2		7.1		7.1	2.7		2.7	2.0		2.0			
28	7.6	7.6		7.2	7.2		7.2		7.2	3.0		3.0	2.3		2.3			
29	7.6	7.6		7.3	7.3		7.2	0.4	6.8	2.9		2.9	2.1	0.8	1.3			
30	7.8	7.8					7.2		7.2	2.8		2.8	2.0	2.0		2.9		2.9
31	7.80	7.8					7.3		7.3				2.0	2.0				2.8
<b>Total</b>	<b>99.5</b>	<b>99.5</b>		<b>102.6</b>	<b>102.6</b>		<b>218.0</b>	<b>102.5</b>	<b>118.5</b>	<b>117.9</b>		<b>117.9</b>	<b>19.0</b>	<b>5.3</b>	<b>13.7</b>	<b>35.7</b>	<b>19.5</b>	<b>18.2</b>
Acre-feet		197			204			432				234			38			71
Priority Diverted		197			204			203						11				39
Apport Diverted								229				234		27				32
Appor diverted to date								229				463		490				522
TBI acreage		1102.93			1102.93			1102.93				1102.93		1102.93				1102.93
Apportioned		1015			1202			1202				1180		1180				1180
Duty		0.18			0.16			0.38				0.21		0.03				0.06

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1	5.4		5.4				7.4	7.4											
2	7.7		7.7	2.2		2.2	7.2	7.2		2.0	0.8	1.2							
3	5.8		5.8	3.9		3.9	6.0	6.0		2.8	0.8	2.0							
4	4.5		4.5	3.7		3.7	5.1	5.1		2.4	2.4								
5	4.4		4.4	2.1		2.1	5.3	5.3		2.5	2.5								
6	4.2		4.2	0.7		0.7	4.5	1.0	3.5	0.8	0.8								
7	3.6		3.6				3.8		3.8										
8	3.0		3.0	2.9		2.9	3.8		3.8										
9	2.1		2.1	4.9		4.9	3.8		3.8										
10	0.7		0.7	6.0		6.0	3.9		3.9	1.8	1.0	0.8							
11	2.2		2.2	7.4	7.1	0.3	3.6		3.6	4.5	1.0	3.5							
12	3.4		3.4	7.2	7.1	0.1	2.7		2.7	4.8	4.6								
13	1.2		1.2	7.3	1.0	6.3	1.5		1.5	1.8	1.8								
14				6.1	1.0	5.1	1.4		1.4										
15				4.3		4.3	0.4		0.4										
16				3.5		3.5	3.8		3.8										
17	1.4		1.4	2.3		2.3	4.0		4.0										
18	2.2		2.2				3.0		3.0										
19	2.1		2.1	2.5		2.5	2.8		2.8										
20	1.4		1.4	4.3		4.3													
21				4.2		4.2											0.1	0.1	
22				4.2	0.4	3.8											3.7	3.7	
23				4.2		4.2											5.1	5.1	
24				4.2	3.3	0.9											6.1	6.1	
25				4.2		4.2	2.2		2.2								7.4	7.4	
26	1.9		1.9	4.2		4.2	3.4		3.4								8.7	8.7	
27	3.3		3.3	3.8		3.8	3.4		3.4								8.7	8.7	
28	3.3		3.3	1.7		1.7	1.8		1.8								8.7	8.7	
29	3.3		3.3	4.9		4.9											8.7	8.7	
30	2.4		2.4	8.0		8.0											8.7	8.7	
31				7.3		7.3											4.4	4.4	
<b>Total</b>	<b>69.6</b>		<b>69.6</b>	<b>122.3</b>	<b>35.2</b>	<b>87.1</b>	<b>84.6</b>	<b>32.0</b>	<b>52.6</b>	<b>23.0</b>	<b>16.5</b>	<b>7.5</b>				<b>69.3</b>	<b>69.3</b>		
Acre-feet		138			243			166				48						137	1907
Priority Diverted					70			63				31						137	955
Apport Diverted					173			104				15							952
Appor diverted to date					633			937				952		952				952	952
TBI acreage		1102.93			1102.93			1102.93				1102.93		1102.93				1102.93	1102.93
Apportioned		1180			1180			1180				1180		3278				6818	6818
Duty		0.13			0.22			0.15				0.04						0.12	1.73

Diversion from North side of Olla River in SEYMEN, Sta. 30, T.8S., R.28E. Water-stage recorder and 3 ft. Parshall flume located in NEYMEN, Sec. 31, T. 8S., R. 28E. Record good

c:\lotus\wk\123\yearly\2000\safford.123

2000

**SAN JOSE CANAL: 4,150.03 acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	33.8	33.8					23.3	23.3		21.7		21.7	4.2		4.2	9.2	9.2	
2	34.2	34.2					22.8	22.8		21.7		21.7				9.3	9.3	
3	33.8	33.8		29.3	25.4	3.9	22.8	22.8		21.7		21.7				9.4	9.4	
4	30.7	30.7		38.0	27.0	11.0	22.7	22.7		21.2		21.2				9.2	9.2	
5	30.5	30.5		38.5	38.5		22.7	22.7		21.2		21.2				9.2	9.2	
6	16.4	16.4		37.2	37.2		22.8	22.8		21.2		21.2				10.4	10.0	0.4
7	4.0	4.0		37.1	37.1		22.8	22.8		21.2		21.2				9.2	9.2	
8				32.3	32.3		22.8	22.8		20.4		20.4				9.2	9.2	
9				30.7	30.7		22.8	22.8		20.1		20.1				10.4	10.4	
10				30.7	30.7		22.8	22.8		20.1		20.1				11.6	11.6	
11				30.7	30.7		22.8	22.8		18.8		18.8				11.0	10.0	1.0
12				30.7	30.7		22.8	22.2	0.6	17.8		17.8				2.7	2.7	
13				30.7	30.7		22.1	17.8	4.3	17.1		17.1						
14				30.7	30.7		21.7	12.3	9.4	15.8		15.8						
15				30.7	30.7		21.7	13.3	8.4	15.0		15.0						
16				30.7	30.7		21.7	10.0	11.7	15.0		15.0						
17				28.3	28.3		21.5	21.5	14.0	14.0		14.0						
18				26.7	26.8	0.1	21.2	21.2	13.8	13.8		13.8						
19				25.7	25.7		21.3	21.3	13.7	13.7		13.7						
20				25.1	24.8	0.3	21.5	21.5	13.7	13.7		13.7						
21				23.8	23.8		21.4	21.4	13.8	13.8		13.8						
22				22.8	22.8		21.4	21.4	13.3	13.3		13.3				7.0	7.0	
23				22.8	22.8		21.5	21.5	13.3	13.3	8.6	8.6				20.0	20.0	
24				22.8	22.8		21.8	21.8	13.3	13.3	12.6	12.6				15.6	15.6	
25				22.8	22.8		22.3	12.3	10.0	13.3	10.7	10.7				15.6	15.6	
26				22.8	22.8		22.8	22.8	13.3	13.3	10.3	10.3				8.1	8.1	6.1
27				23.1	23.1		22.8	22.8	13.3	13.3	10.3	10.3						
28				23.3	23.3		22.8	22.8	13.3	13.3	10.0	10.0						
29				23.3	23.3		22.8	1.1	21.7	13.3	10.0	3.4	8.6					
30							22.4	22.4	13.3	13.3	9.8	9.8				12.5		12.5
31							22.3			13.3	9.2	9.2						
<b>Total</b>	<b>182.4</b>	<b>182.4</b>		<b>789.1</b>	<b>753.8</b>	<b>15.3</b>	<b>890.5</b>	<b>339.9</b>	<b>350.6</b>	<b>498.6</b>	<b>498.5</b>	<b>85.3</b>	<b>22.1</b>	<b>73.2</b>	<b>187.6</b>	<b>109.4</b>	<b>78.2</b>	
<b>Acre-feet</b>		<b>382</b>			<b>1526</b>			<b>1370</b>			<b>989</b>			<b>169</b>			<b>372</b>	
<b>Priority Diverted</b>		<b>382</b>			<b>1485</b>			<b>874</b>			<b>989</b>			<b>44</b>			<b>217</b>	
<b>Apport Diverted</b>					<b>30</b>			<b>695</b>			<b>989</b>			<b>145</b>			<b>155</b>	
<b>Appor diverted to date</b>					<b>30</b>			<b>725</b>			<b>1714</b>			<b>1859</b>			<b>2014</b>	
<b>TBI acreage</b>		<b>3678.91</b>			<b>3689.26</b>			<b>3689.26</b>			<b>3689.26</b>			<b>3689.26</b>			<b>3689.26</b>	
<b>Apportioned</b>		<b>3385</b>			<b>4021</b>			<b>4021</b>			<b>3948</b>			<b>3948</b>			<b>3948</b>	
<b>Duty</b>		<b>0.10</b>			<b>0.41</b>			<b>0.37</b>			<b>0.27</b>			<b>0.05</b>			<b>0.10</b>	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1	20.1		20.1				41.5		41.5										
2	24.4		24.4	8.7		8.7	41.3	41.3		7.9	3.4	4.5							
3	19.9		19.9	16.7		16.7	30.4	30.4		12.8	3.4	9.4							
4	18.9		18.9	15.3		15.3	21.2	21.2		12.8	12.8								
5	18.9		18.9	5.7		5.7	19.0	19.0		5.3	5.3								
6	18.0		18.0				16.5	6.7	9.8										
7	16.6		16.6				16.3		16.3										
8	14.8		14.8	12.1		12.1	16.7		16.7										
9	5.2		5.2	20.2		20.2	18.7		18.7										
10				21.4		21.4	15.5		15.5	7.8	6.7	1.1							
11	11.0		11.0	22.2	22.2		14.4		14.4	17.8	6.7	11.1							
12	10.1		10.1	22.2	22.2		5.4		5.4	20.0	20.0								
13				23.0	6.7	16.3				20.0	20.0								
14				21.5	6.7	14.9				18.6	18.6								
15				19.5		19.5	7.5		7.5	5.8	5.8								
16				18.7		18.7	14.4		14.4										
17	8.5		8.5	8.7		8.7	13.7		13.7										
18	10.3		10.3				13.3		13.3										
19	10.1		10.1	11.6		11.6	5.5		5.5										
20	4.0		4.0	17.8		17.8													
21				18.3		18.3													
22				17.8	1.1	16.7													
23				17.8		17.8													
24				18.0	14.4	3.6	8.3		8.3										
25				17.8		17.8	13.3		13.3										
26	7.2		7.2	17.8		17.8	13.3		13.3										
27	13.3		13.3	17.1		17.1	13.3		13.3										
28	14.8		14.8	20.0		20.0	4.7		4.7										
29	14.3		14.3	31.3		31.3													
30	5.6		5.6	41.3	23.7	17.8													
31				41.3	41.3														
<b>Total</b>	<b>262.0</b>		<b>262.0</b>	<b>523.9</b>	<b>138.3</b>	<b>385.6</b>	<b>382.2</b>	<b>160.1</b>	<b>202.1</b>	<b>128.5</b>	<b>102.4</b>	<b>26.1</b>							
<b>Acre-feet</b>		<b>820</b>			<b>1039</b>			<b>718</b>			<b>255</b>								<b>7339</b>
<b>Priority Diverted</b>					<b>274</b>			<b>318</b>			<b>203</b>								<b>3587</b>
<b>Apport Diverted</b>		<b>820</b>			<b>765</b>			<b>401</b>			<b>52</b>								<b>3752</b>
<b>Appor diverted to date</b>		<b>2534</b>			<b>3299</b>			<b>3700</b>			<b>3762</b>			<b>3762</b>					<b>3752</b>
<b>TBI acreage</b>		<b>3689.26</b>			<b>3689.26</b>			<b>3689.26</b>			<b>3689.26</b>			<b>3689.26</b>					<b>3689.26</b>
<b>Apportioned</b>		<b>3948</b>			<b>3948</b>			<b>3948</b>			<b>3948</b>			<b>10957</b>					<b>22136</b>
<b>Duty</b>		<b>0.14</b>			<b>0.28</b>			<b>0.19</b>			<b>0.07</b>								<b>1.99</b>

Diversion from South side of Gila River in BWS/WW, Sec. 26, T.8 S., R.27 E. Water-gage recorder and US 6 Parshall flume located in MEANDS, Sec. 2, T.7 S., R.27 E., which measure combined flow of San Jose, Foreman, Maricopa, and Union Canals. Segregation made by Watermaster  
Record good

2000

**FOURNESS CANAL: 210.70 acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1																		
2																		
3				1.7	1.7													
4				2.4	2.4													
5				2.4	2.4													
6				2.4	2.4													
7				2.4	2.4													
8				2.4	2.4													
9				2.4	2.4													
10				2.4	2.4													
11				2.4	2.4													
12				2.4	2.4													
13				2.4	2.4													
14				2.4	2.4													
15				2.4	2.4													
16				2.4	2.4													
17				2.4	2.4													
18				2.4	2.4													
19				2.4	2.4													
20				2.4	2.4													
21				0.0	0.0													
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
<b>Total</b>				43.4	43.4													
Acre-feet					88													
Priority Diverted					88													
Apport Diverted																		
Appor diverted to date																		
TBI acreage		189.6		189.6			189.6			189.6			189.6			189.6		
Apportioned		174			207		207			203			203			203		
Duty					0.45													

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1							2.3	2.3											
2	0.6		0.5				2.3	2.3											
3							1.1	1.1											
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29				1.3		1.3													
30				2.3	2.3														
31				2.3	2.3														
<b>Total</b>	0.5		0.5	6.9	4.6	1.3	5.7	5.7											
Acre-feet			1		12			11											110
Priority Diverted					9			11											108
Apport Diverted					3														4
Appor diverted to date																			4
TBI acreage		189.6			189.6			189.6		189.6			189.6			189.6			189.60
Apportioned		203			203			203		203			593			1138			1138
Duty			0.01		0.06			0.06											0.58

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2000

MONTEZUMA CANAL: 4,835.96 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	6.2	6.2					21.2	21.2		20.8		20.8	3.5		3.5	9.2	9.2	
2	9.0	9.0					21.1	21.1		20.4	0.8	19.6				10.7	10.7	
3	2.1	2.1		23.7	23.7		20.9	20.9		20.3		20.3				10.7	10.7	
4				32.2	29.8	2.4	21.1	21.1		18.9		18.9				8.5	8.5	
5				31.4	31.4		20.7	20.7		17.9		17.9				10.4	10.4	
6				32.1	32.1		20.7	20.7		17.9		17.9				11.8	11.8	
7				32.0	32.0		21.1	21.1		18.1		18.1				10.2	10.2	
8				30.4	30.4		21.5	21.5		18.3		18.3				9.8	9.8	
9				29.1	29.1		21.1	21.1		18.2		18.2				11.7	11.7	
10				28.9	28.9		21.2	21.2		18.3		18.3				13.0	13.0	
11				28.6	28.6		20.8	20.8		18.1		18.1				12.3	12.3	
12				28.1	28.1		20.8	20.8		17.9		17.9				3.0	3.0	
13				28.9	28.9		20.5	17.8	2.7	17.4		17.4						
14				28.5	28.5		19.8	15.2	4.6	12.8		12.8						
15				28.5	28.5		19.5	19.1	3.4	13.7		13.7						
16				28.1	28.1		19.7	12.2	7.5	16.0		16.0						
17				27.7	27.7		20.5			16.3		16.3						
18				25.7	25.7		20.1			16.6		16.6						
19				24.7	24.7		20.4			16.5		16.5						
20				24.5	24.3	0.2	20.5			16.5		16.5						
21				22.4	22.4		20.5			16.3		16.3						
22				21.1	21.1		20.5			16.1		16.1				6.4		8.4
23				21.1	21.1		20.5			16.3		16.3	10.3		10.3	16.9		18.9
24				21.1	21.1		20.8	0.8	19.8	14.9		14.9	14.7		14.7	9.5		9.5
25				21.0	21.0		19.8	15.2	4.6	15.7		15.7	12.6		12.6	14.4		14.4
26				21.2	21.2		19.4	0.8	18.6	16.8		16.8	12.5		12.5	6.6		6.6
27				21.7	21.7		20.2			15.3		15.3	12.5		12.5			
28				21.5	21.5		20.5	0.8	19.7	14.6		14.6	11.2		11.2			
29				21.4	21.4		20.4	2.3	18.1	15.4		15.4	9.7	5.3	4.4			
30							20.9	0.8	20.1	14.8		14.8	9.4	9.4		11.5		11.5
31							20.7	0.8	19.9				8.0	8.0				
<b>Total</b>	<b>19.3</b>	<b>19.3</b>		<b>705.3</b>	<b>702.7</b>	<b>2.6</b>	<b>637.1</b>	<b>334.8</b>	<b>302.3</b>	<b>505.0</b>	<b>0.8</b>	<b>504.2</b>	<b>104.4</b>	<b>22.7</b>	<b>81.7</b>	<b>187.6</b>	<b>122.3</b>	<b>85.3</b>
Acre-feet		38			1399			1284			1002			207			372	
Priority Diverted		38			1394			664			2			45			243	
Apport Diverted					5			600			1000			162			130	
Apport diverted to date					5			605			1605			1767			1697	
TBI acreage		3885.31			3919.51			3919.51			3919.51			3919.51			3919.51	
Apportioned		3574			4272			4272			4194			4194			4194	
Duty		0.01			0.28			0.32			0.28			0.05			0.10	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1	18.5		18.5				28.5	28.5											
2	17.7		17.7	5.7		5.7	18.3	18.3		9.7	5.3	4.4							
3	18.3		18.3	13.9		13.9	13.8	13.8		15.7	5.3	10.4							
4	15.8	0.8	14.8	18.5		18.5	11.7	11.7		15.7	15.7								
5	17.4		17.4	5.8		5.8	11.4	11.4		6.5	6.5								
6	17.1		17.1				10.8	6.5	4.3										
7	16.9		16.9				10.8		10.8										
8	18.8		18.8	10.3		10.3	10.9		10.9										
9	5.7		5.7	18.4		18.4	16.4		16.4										
10				17.9		17.9	16.9		16.9		0.4	6.5	2.9						
11	6.8		6.8	20.8	20.8		16.2		16.2	17.5	6.5	11.0							
12	8.0		8.0	20.0	20.0		5.9		5.9	18.2	18.2								
13				21.4	6.5	14.9				13.1	13.1								
14				18.4	6.5	11.9				11.4	11.4								
15				18.5			18.5		8.8		3.1	3.1							
16				16.9	0.8	16.1	16.4		16.4										
17	6.5		6.5	8.8		8.8	16.2		16.2										
18	12.6		12.6				16.1		16.1										
19	12.3		12.3	11.8		11.8	6.7		6.7										
20	4.7		4.7	17.8		17.8													
21				18.3		18.3													
22				17.0	2.3	14.7													
23				16.4		16.4													
24				16.1	1.7	14.4	10.1		10.1										
25				16.8	0.8	16.0	16.1		16.1										
26	7.5		7.5	17.0		17.0	16.1		16.1										
27	14.1		14.1	17.1		17.1	16.1		16.1										
28	17.5		17.5	19.7		19.7	5.7		5.7							8.5	8.5		
29	17.0		17.0	20.0		20.0										15.7	15.7		
30	6.8		6.8	27.8	23.1	4.8										17.5	17.5		
31				30.0	30.0														
<b>Total</b>	<b>257.3</b>	<b>0.8</b>	<b>256.5</b>	<b>462.3</b>	<b>127.0</b>	<b>335.3</b>	<b>294.7</b>	<b>88.2</b>	<b>208.5</b>	<b>120.3</b>	<b>91.5</b>	<b>28.7</b>				<b>59.2</b>	<b>59.2</b>		
Acre-feet		510			917			585			239						117		6652
Priority Diverted		2			252			171			182						117		3110
Apport Diverted		509			665			414			67								3542
Apport diverted to date		2406			3071			3485			3542			3542			3542		3542
TBI acreage		3919.51			3919.51			3917.38			3917.38			3917.38			3917.38		3917.38
Apportioned		4184			4184			4192			4192			11835			23504		23504
Duty		0.13			0.23			0.15			0.05						0.03		1.70

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2000

UNION CANAL: 7,371.68 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	22.0	22.0					54.8	54.8		43.1		43.1	3.7		3.7	7.4	7.4	
2	22.0	22.0					49.7	49.7		39.0		39.0				7.4	7.4	
3	6.4	6.4		35.4	35.4		46.8	46.8		37.2		37.2				7.4	7.4	
4				50.0	50.0		46.8	46.8		33.8		33.8				7.4	7.4	
5				50.0	50.0		48.2	48.2		32.0		32.0				7.4	7.4	
6				50.0	50.0		52.1	52.1		32.0		32.0				7.4	7.4	
7				50.0	50.0		54.0	54.0		32.0		32.0				7.4	7.4	
8				56.2	56.2		54.0	54.0		28.2		28.2				7.4	7.4	
9				59.3	59.3		54.0	54.0		26.1		26.1				7.4	7.4	
10				59.3	59.3		54.0	54.0		28.1		28.1				7.4	7.4	
11				59.3	59.3		51.8	51.8		23.1		23.1				7.4	7.4	
12				59.3	59.3		49.0	44.1	4.9	21.4		21.4				2.0	2.0	
13				59.3	59.3		45.3	21.4	23.9	17.5		17.5						
14				59.3	59.3		43.2	10.0	33.2	14.9		14.9						
15				59.3	59.3		43.2	11.9	31.3	14.5		14.5						
16				59.3	59.3		43.2	9.9	33.3	14.5		14.5						
17				59.2	59.2		42.7			12.9		12.9						
18				59.0	59.0		42.3			11.9		11.9						
19				57.3	57.3		42.3			11.9		11.9						
20				56.0	56.0		42.3			11.9		11.9						
21				54.8	54.8		40.1			11.9		11.9						
22				53.8	53.8		38.9			11.9		11.9				8.2		8.2
23				53.8	53.8		41.1			11.9		11.9	7.0		7.0	26.1		26.1
24				53.8	53.8		42.3			11.9		11.9	10.5		10.5	16.7		16.7
25				53.8	53.8		46.8	10.0	38.8	11.9		11.9	10.1		10.1	14.8		14.8
26				53.8	53.8		49.0			11.9		11.9	9.9		9.9	5.7		5.7
27				54.4	54.4		49.0			11.9		11.9	9.9		9.9			
28				54.9	54.9		49.0			11.9		11.9	9.9		9.9			
29				54.9	54.9		49.0	2.8	46.2	11.9		11.9	9.9	3.9	6.0			
30							45.8			11.9		11.9	8.8		8.8	15.0		15.0
31							44.1			44.1		44.1	7.8		7.8			
<b>Total</b>	<b>50.4</b>	<b>50.4</b>		<b>1485.3</b>	<b>1485.3</b>		<b>1454.3</b>	<b>675.8</b>	<b>778.5</b>	<b>603.0</b>		<b>603.0</b>	<b>87.1</b>	<b>20.1</b>	<b>67.0</b>	<b>169.9</b>	<b>83.4</b>	<b>86.5</b>
Acre-feet		100			2946			2885			1198			173			337	
Priority Diverted		100			2946			1340						40			165	
Apport Diverted								1844			1198			133			172	
Appor diverted to date								1544			2740			2873			3045	
TBI acreage		5989.32			6010.92			6028.72			6028.72			6028.72			6028.72	
Apportioned		5519			8552			8589			8449			8449			8449	
Duty		0.02			0.49			0.48			0.20			0.03			0.08	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1	24.9		24.9				42.0		42.0										
2	34.7		34.7	2.3		2.3	32.7		32.7	4.3	3.8	0.5							
3	24.5		24.5	15.3			28.4		28.4	9.4	3.8	5.6							
4	23.8		23.8	14.8			28.8		28.8	9.4	9.4								
5	23.8		23.8	5.5		5.5	21.9		21.9	3.8	3.8								
6	20.7		20.7				15.2		5.1	10.1									
7	15.9		15.9				13.4			13.4									
8	14.2		14.2	15.8		15.8	13.8			13.8									
9	4.7		4.7	25.8		25.8	14.8			14.8									
10				38.9		38.9	14.1			14.1	4.5	4.5							
11	7.1		7.1	43.5		43.5	13.7			13.7	22.8	5.1	17.8						
12	10.5		10.5	43.5		43.5	5.1			5.1	28.8	28.8							
13				43.5		5.2	38.3				8.8	8.8							
14				38.4		8.2	31.2												
15				23.0			23.0			4.7									
16				18.2			18.2			10.4		10.4							
17	4.8		4.8	6.8		6.8	14.0			14.0									
18	9.9		9.9				13.0			13.0									
19	9.9		9.9	13.7		13.7	4.8			4.8									
20	3.7		3.7	21.2		21.2													
21				21.2		21.2													
22				21.2		2.7	18.5												
23				21.2			21.2												
24				21.2		14.0	7.2			5.8									
25				21.2			21.2			10.2									
26	6.4		6.4	21.2		21.2	11.8			11.8									
27	11.9		11.9	17.3		17.3	11.9			11.9									
28	11.9		11.9	20.4		20.4	4.3			4.3									
29	11.9		11.9	43.7		43.7										13.0		13.0	
30	4.7		4.7	80.0		56.7	3.3									16.8		16.8	
31				60.0		60.0										16.9		16.9	
<b>Total</b>	<b>279.9</b>		<b>279.9</b>	<b>694.3</b>		<b>230.8</b>	<b>483.5</b>		<b>334.4</b>	<b>168.9</b>	<b>176.5</b>	<b>87.6</b>	<b>64.0</b>	<b>23.6</b>			<b>45.7</b>	<b>48.7</b>	
Acre-feet		555			1377			863			174						93		10488
Priority Diverted					458			315			127						93		5584
Apport Diverted					919			348			47								4914
Appor diverted to date		3600			4519			4887			4914								4914
TBI acreage		6028.72			5952.02			5824.42			5824.42								5824.42
Apportioned		8449			8389			8232			8232								34947
Duty		0.09			0.25			0.15			0.03								1.80













2000

COLVIN-JONES CANAL: 205.90 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1										1.4		1.4				1.2		1.2
2										1.5		1.5				1.3		1.3
3										1.5		1.5				0.5		0.5
4										1.5		1.5						
5										1.5		1.5						
6										1.6		1.6						
7										1.5		1.5						
8										1.4		1.4						
9										1.4		1.4						
10										1.4		1.4						
11										1.4		1.4						
12										0.5		0.5						
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22							0.8		0.8									
23							1.4		1.4			0.7		0.7				
24							1.4		1.4			1.2		1.2				
25							1.4		1.4			1.2		1.2				
26							1.4		1.4			1.2		1.2				
27							1.5		1.5			1.2		1.2				
28							1.5		1.5			1.2		1.2				
29							1.4		1.4			1.2		1.2				
30							1.4		1.4			1.2		1.2				
31							1.5		1.5			1.2		1.2				
<b>Total</b>							13.7		13.7	16.6		16.6	10.3		10.3	3.0		3.0
Acres-feet									27			33			20			6
Priority Diverted									27			33			20			6
Apport Diverted									27			60			80			86
Apport diverted to date									27			60			80			86
TBI acreage		165.5			165.5			165.5			165.5			165.5			165.5	
Apportioned		152			180			180			177			177			177	
Duty								0.18			0.20			0.12			0.04	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals	
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.		
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12	0.5		0.5																	
13																				
14																				
15																				
16																				
17																				
18																				
19																				
20																				
21																				
22																				
23																				
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31																				
<b>Total</b>	0.5		0.5																	
Acres-feet			1																	87
Priority Diverted			1																	87
Apport Diverted			1																	87
Apport diverted to date			87			87			87			87			87			87		87
TBI acreage		165.5			165.5			165.5			165.5			165.5			165.5			165.80
Apportioned		177			177			177			177			492			993			993
Duty			0.01																	0.53

Diversions from North side of Olive River in SE1/4SW, Sec.28, T.4 S., R.23 E., Water-stage recorder and 2 R. Parishall Run located in SE1/4SW, Sec.28, T.4 S., R.23 E.  
Remand good



# 2000

## ASARCO INCORPORATED

Pumping for Industrial, Domestic, and related beneficial purposes  
Mean daily diversions, cubic feet per second

DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	16.8	11.8	12.9	19.5	18.3	18.4	15.7	13.3	15.3	18.4	14.1	16.7
2	16.1	10.2	12.0	16.1	18.1	18.9	14.2	13.1	18	16.3	12.9	16.4
3	12.2	9.8	12.7	17.6	12.4	19.2	14.6	13.3	18.4	17.9	18.0	16.5
4	15.7	9.5	13.4	20.2	17.4	18.8	15.6	13.7	18.4	18.9	18.4	16.9
5	15.6	11.8	11.8	18.7	20.7	17.6	15.6	16.6	19.1	17.6	17.1	18.1
6	12.5	17.6	14.1	18.6	20.7	16.8	15.2	17.5	15.9	14.7	14.8	18.3
7	17.5	17.0	16.8	19.1	19.2	16.1	14.1	15.8	17.3	14.9	20.3	19.5
8	12.9	17.6	17.8	19.2	19.3	15.6	14.5	15.5	15.7	15	15.2	17.0
9	10.3	17.8	14.3	19.2	17.5	17.7	14.9	13.4	14.4	15.5	19.0	18.8
10	14.0	19.6	11.2	20.1	11.5	17.3	15.0	11.4	12.5	15.4	17.0	14.7
11	8.6	17.9	10.1	16.3	12.0	17.5	14.3	15.1	16.4	14.2	17.6	19.1
12	11.3	18.6	15.4	12.4	13.7	16.7	14.5	17.3	14.3	17.9	19.7	17.7
13	9.9	18.1	18.4	12.3	17.9	15.1	14.1	17.5	8.8	18.6	14.1	9.5
14	8.5	17.0	18.7	17.2	19.4	15.2	14.3	14.4	10.4	15.7	13.2	17.9
15	6.0	15.1	16.1	18.9	11.1	15.6	14.0	12.5	15.7	16.1	15.4	18.9
16	9.4	12.3	14.5	16.5	17.6	16.4	13.9	14.7	11.1	16.4	17.1	18.0
17	10.1	11.6	11.0	16.3	18.8	16.6	14.0	13.6	6.7	18.8	17.6	18.7
18	10.4	13.0	10.9	15.2	18.9	15.6	13.8	14.4	18.6	18.8	18.2	16.5
19	9.1	9.9	10.8	17.9	16.2	15.6	14.1	13.6	10.4	18.7	18.0	18.1
20	10.3	15.7	16.8	17.0	15.2	15.3	13.4	11.3	10.7	17.1	16.8	17.6
21	13.8	13.9	20.0	13.8	18.5	11.6	14.5	14.1	13.8	14.4	17.3	17.8
22	18.3	9.5	19.2	12.5	19.2	13.5	13.9	13.3	11.6	13.8	18.4	13.6
23	17.7	9.0	14.2	12.2	18.8	13.1	13.5	12.8	13.3	15.3	18.8	16.8
24	15.0	9.8	17.2	14.9	18.7	13.2	16.8	15.2	14.5	14.1	16.6	15.3
25	11.3	9.9	18.5	18.1	19.0	14.9	13.2	15.2	19.1	10.7	13.9	12.2
26	13.5	10.0	19.7	20.0	17.7	15.2	14.1	15.2	19.8	16	15.6	13.1
27	12.8	9.9	18.9	19.8	19.5	14.4	13.2	15.0	20	16.1	14.0	16.5
28	12.7	13.6	18.0	19.0	20.6	14.7	13.5	12.6	19.7	13.2	18.8	18.7
29	13.1	11.1	12.4	19.2	18.5	14.6	17.0	18.1	15.6	12.3	16.9	12.4
30	13.1		15.7	17.1	17.2	16.5	16.2	13.3	15.2	12.8	16.8	13.0
31	11.8		13.8		17.1		13.6	18.2		12.2		18.3

<b>Total CFS</b>	390.3	388.6	467.3	514.9	540.7	477.7	449.3	451.0	450.7	487.8	501.6	512.6
<b>Total Acre-feet</b>	774	771	927	1021	1072	948	891	895	894	968	995	1017
<b><u>ASARCO Reported Ac-ft</u></b>												
<b>Reported</b>	766	777	930	1021	1053	946	886	892	893	964	994	1013
<b>Reported Year-to-Date</b>	766	1543	2473	3494	4547	5493	6379	7271	8164	9128	10122	11135
<b><u>Tabulations in Ac-ft</u></b>												
<b>Allocation diverted</b>	774	771	927	1021	1072	948	891	895	894	968	995	1017
<b>Previous Alloc. div</b>	0	774	1545	2472	3493	4565	5513	6404	7299	8193	9161	10156
<b>Alloc. div to date</b>	774	1545	2472	3493	4565	5513	6404	7299	8193	9161	10156	11173
<b>Article_IX_ Allocation</b>	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221
<b>Allocation Remaining</b>	15447	14676	13749	12728	11656	10708	9817	8922	8028	7060	6065	5048

*NOTE: ASARCO Industrial & Municipal diversions are Under ARTICLE\_IX\_ (not apportioned)*







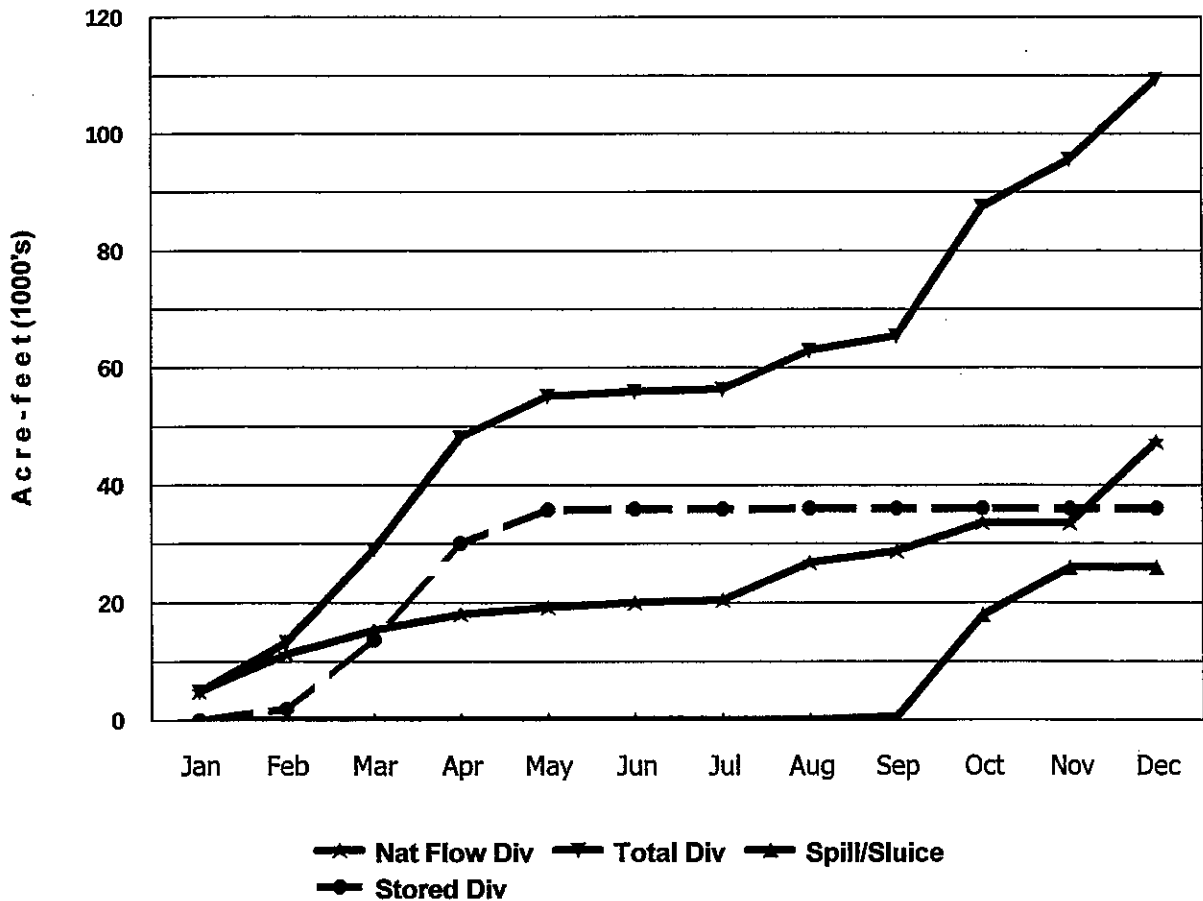
2000

**MASS DIAGRAM OF SAN CARLOS PROJECT**  
**DIVERSIONS AT ASHURST-HAYDEN DAM**

In Acre-feet

Month	Accumulated		Monthly Total Diversions	Accumulated	
	Natural Flow Diversions	Stored Water Diversions		Total Diversions	Spilled and Sluiced
JAN	4,911	6	4,917	4,917	0
FEB	11,264	1,991	13,255	13,255	0
MAR	15,328	13,783	29,111	29,111	0
APR	18,016	30,159	48,175	48,175	0
MAY	19,186	35,891	55,077	55,077	0
JUN	20,007	35,927	55,934	55,934	0
JUL	20,447	35,929	56,376	56,376	0
AUG	26,800	36,056	62,856	62,856	0
SEP	28,732	36,056	64,788	65,395	607
OCT	33,576	36,056	69,632	87,547	17,915
NOV	33,576	36,056	69,632	95,598	25,966
DEC	47,300	36,056	83,356	109,322	25,966

Graph:    Nat Flow Div    Stored Div    Total Div    Spill/Sluice



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# SAN CARLOS IRRIGATION PROJECT DIVERSIONS at ASHURST-HAYDEN DAM

Original Decreed 102,090.5 Acres

Mean daily diversions - cubic feet per second

## 2000

**JANUARY**

T.B.I. Acres - 30,617.15

**FEBRUARY**

T.B.I. Acres - 40,351.62

**MARCH**

T.B.I. Acres - 43,523.74

2000	Diverter			Passing Dam	
	Total	Stored	Net Flow	Spill	Sluice
1	80		80		
2	53		53		
3	52		52		
4	83		83		
5	87		87		
6	94		94		
7	103		103		
8	104		104		
9	106		106		
10	107		107		
11	108		108		
12	108		108		
13	102		102		
14	86		86		
15	69		69		
16	54		54		
17	48		48		
18	43		43		
19	38		38		
20	36		36		
21	35		35		
22	29		29		
23	31		31		
24	36		36		
25	41		41		
26	65		65		
27	104		104		
28	117		117		
29	147		147		
30	156		156		
31	157	3	154		
Total	2479	3	2476		
Ac-ft	4917	6	4911		
To Date	4917	6	4911		
Duty	0.16				

2000	Diverter			Passing Dam	
	Total	Stored	Net Flow	Spill	Sluice
1	165	7	158		
2	166		166		
3	145		145		
4	138		138		
5	137		137		
6	136		136		
7	137		137		
8	135		135		
9	129	4	125		
10	128	8	120		
11	127	11	116		
12	128	13	115		
13	128	9	119		
14	119	6	113		
15	114	9	105		
16	112	11	101		
17	112	22	90		
18	120	56	66		
19	151	72	79		
20	165	74	91		
21	168	75	93		
22	169	77	92		
23	173	75	98		
24	172	77	95		
25	171	82	89		
26	171	85	86		
27	170	77	93		
28	160	74	86		
29	158	78	80		
Total	4204	1001	3203		
Ac-ft	8338	1985	6353		
To Date	13255	1991	11264		
Duty	0.17				

2000	Diverter			Passing Dam	
	Total	Stored	Net Flow	Spill	Sluice
1	153	66	87		
2	146	76	70		
3	146	74	72		
4	144	74	70		
5	146	73	73		
6	156	74	82		
7	163	48	115		
8	190		190		
9	132		132		
10	91		91		
11	67	14	53		
12	80		80		
13	159	130	29		
14	175	160	26		
15	207	198	9		
16	275	275			
17	345	323	22		
18	365	322	43		
19	372	324	48		
20	378	324	54		
21	384	324	60		
22	391	322	69		
23	394	325	69		
24	394	324	70		
25	395	325	70		
26	395	325	70		
27	374	297	77		
28	365	282	73		
29	351	268	83		
30	337	261	76		
31	334	267	67		
Total	7994	5945	2049		
Ac-ft	15856	11792	4064		
To Date	23911	13783	15328		
Duty	0.34				

Diversions from South side of Gila River at A-H Dam, in Sec 8, T.4S, R.11E, 10 miles NE of Florence, AZ  
 Water-stage recorder and Parshall flume near China Wash, 3 miles below A-H Dam  
 Water passing dam estimated by San Carlos Irrigation Project..

**SAN CARLOS IRRIGATION PROJECT DIVERSIONS at ASHURST-HAYDEN DAM**

**Original Decreed 102,090.5 Acres**

Mean daily diversions - cubic feet per second

**2000**

**APRIL**

T.B.I. Acres - 45,341.16

**MAY**

T.B.I. Acres - 45,811.74

**JUNE**

T.B.I. Acres - 45,377.08

2000	Diversed			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	337	268	69			
2	338	267	71			
3	331	268	63			
4	329	269	60			
5	323	270	53			
6	317	273	44			
7	317	270	47			
8	317	262	55			
9	315	266	49			
10	323	273	50			
11	323	274	49			
12	316	272	44			
13	310	269	41			
14	305	265	40			
15	304	262	42			
16	309	270	39			
17	319	274	45			
18	316	271	45			
19	326	300	26			
20	354	319	35			
21	357	319	38			
22	346	291	55			
23	326	279	47			
24	323	282	41			
25	319	265	54			
26	299	253	46			
27	293	255	38			
28	296	274	22			
29	311	287	24			
30	312	289	23			
31						
Total	9611	8256	1355			
Ac-ft	19064	16376	2688			
To Date	48175	30159	18016			
Duty	0.39					

2000	Diversed			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	319	304	16			
2	282	192	90			
3	181	128	55			
4	151	118	33			
5	138	118	20			
6	132	116	16			
7	126	117	9			
8	120	119	1			
9	117	105	12			
10	108	99	9			
11	101	72	29			
12	82	57	25			
13	68	58	10			
14	61	57	4			
15	60	59	1			
16	60	59	1			
17	59	59				
18	53	53				
19	64	64				
20	75	75				
21	78	78				
22	96	96				
23	111	111				
24	126	126				
25	137	137				
26	181	181				
27	190	134	56			
28	104		104			
29	49		49			
30	30		30			
31	21		21			
Total	3480	2890	590			
Ac-ft	6902	5732	1170			
To Date	55077	35891	19186			
Duty	0.14					

2000	Diversed			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	19		19			
2	14		14			
3	6		6			
4	3		3			
5	10		10			
6	6		6			
Total	431	18	413			
Ac-ft	857	36	821			
To Date	55934	35927	20007			
Duty	0.03					

Water passing dam estimated by San Carlos Irrigation Project..



**Original Decreed 102,090.5 Acres**  
 Mean daily diversions - cubic feet per second

**2000**

**OCTOBER**

T.B.I. Acres - 45,047.74

2000	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10				224		
11	329		329	135		
12	183		183	398		
13	738		738	85		
14	705		705	175		
15	461		461			
16	3		3			
17						
18						
19						
20				240		
21				50		
22				313		
23				324		
24				1328		
25				2901		
26	23		23	1595		
27				202		
28				211		
29				374		
30				61		
31				110		
Total	2442		2442	8726		
Ac-ft	4844		4844	17308		
To Date	69632	36056	33576	17915		
Duty	0.11					

**NOVEMBER**

T.B.I. Acres - 45,047.74

2000	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11				71		
12				164		
13				351		
14				22		
15				91		
16				29		
17				799		
18				653		
19				442		
20				611		
21				245		
22				172		
23				80		
24				30		
25				25		
26				25		
27				22		
28				22		
29				22		
30				22		
31				21		
Total				4059		
Ac-ft				8051		
To Date	69632	36056	33576	25966		
Duty						

**DECEMBER**

T.B.I. Acres - 45,223.39

2000	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						
31						
Total	6919		6919			
Ac-ft	13724		13724			
To Date	83356	36056	47300	25966		
Duty	0.30					

Water passing dam estimated by San Carlos Irrigation Project.

# DETERMINATION OF PRIORITY WATER

## JANUARY 2000

Mean daily diversions - cubic feet per second

2000	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM							
	RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		COMPUTED PRIORITY YEAR		DAILY CALL SYSTEM					
	River Inflow	Total	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change S.C. Res.	Spilled	Diversified	Stored	Natural Flow	Gain/Loss Net Flow	Available to Project	Duncan Virden	Safford	Winkelman	Ashurst-Hayden
DEC 31	154	154	154	420	154	420	80	80	80	80	80	234	1924	1924	1924	1924
JAN 1	156	57	57	150	99	150	53	53	53	-4	152	152	"	"	"	"
2	158	91	91	150	67	150	52	52	52	-39	119	119	"	"	"	"
3	165	90	90	150	75	150	83	83	83	-7	158	158	"	"	"	"
4	167	90	90	120	77	120	87	87	87	-3	164	164	"	"	"	"
5	170	91	91	150	79	150	94	94	94	3	173	173	"	"	"	"
6	173	92	92	270	81	270	103	103	103	11	184	184	"	"	"	"
7	175	92	92	30	83	30	104	104	104	12	187	187	"	"	"	"
8	177	92	92	200	85	200	106	106	106	14	191	191	"	"	"	"
9	178	92	92	300	86	300	107	107	107	15	193	193	"	"	"	"
10	178	92	92	150	86	150	108	108	108	16	194	194	"	"	"	"
11	174	87	87	120	87	120	108	108	108	21	195	195	"	"	"	"
12	170	59	59	310	111	310	102	102	102	43	213	213	"	"	"	"
13	174	17	17	340	157	340	86	86	86	69	243	243	"	"	"	"
14	172	17	17	200	172	200	69	69	69	69	241	241	"	"	"	"
15	171	171	171	460	171	460	54	54	54	54	225	225	"	"	"	"
16	170	170	170	350	170	350	48	48	48	48	218	218	"	"	"	"
17	168	168	168	430	168	430	43	43	43	43	211	211	"	"	"	"
18	167	167	167	300	167	300	38	38	38	38	205	205	"	"	"	"
19	169	169	169	320	169	320	36	36	36	36	205	205	"	"	"	"
20	169	169	169	390	169	390	35	35	35	35	204	204	"	"	"	"
21	169	35	35	270	134	270	29	29	29	-6	163	163	"	"	"	"
22	170	35	35	280	135	280	31	31	31	-4	168	168	"	"	"	"
23	166	34	34	350	132	350	36	36	36	2	168	168	"	"	"	"
24	163	96	96	230	67	230	41	41	41	-65	108	108	"	"	"	"
25	163	127	127	160	36	160	65	65	65	-62	101	101	"	"	"	"
26	162	126	126	40	36	40	104	104	104	-22	140	140	"	"	"	"
27	162	138	138	80	24	80	117	117	117	-21	141	141	"	"	"	"
28	159	145	145	14	14	14	147	147	147	2	161	161	"	"	"	"
29	151	144	144	7	7	7	156	156	156	12	163	163	"	"	"	"
30	152	149	149	3	-3	3	157	157	157	6	154	154	"	"	"	"
31	148	156	148	-120	8	-8	157	157	157	6	154	154	"	"	"	"

12% transit loss on daily Stored releases....

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams.



# DETERMINATION OF PRIORITY WATER

## FEBRUARY 2000

Mean daily diversions - cubic feet per second

2000	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				
	RELEASES		STORAGE		Spilled and/or Diverted		Natural Flow		Duncan		Winkelman		Ashurst-Hayden
	River Inflow	Total	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change S.C. Res.	Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Available to Project	FEB
JAN 31	148	156	148	8	-8	-120							
FEB 1	143	133	133		10	-40	165	7	158	10	158	158	1
2	139	118	118		21		166		166	33	176	176	2
3	137	118	118		19		146		145	27	166	166	3
4	136	118	118		18	80	137		138	20	157	157	4
5	129	114	114		15	40	137		137	19	155	155	5
6	119	111	111		8	100	136		136	22	151	151	6
7	111	111	111				137		137	28	145	145	7
8	106	111	106	5	-5	20	135		135	24	135	135	8
9	102	111	102	9	-9		129	4	125	19	125	125	9
10	99	111	99	12	-12	-80	128	8	120	18	120	120	10
11	96	111	96	15	-15		127	11	116	17	116	116	11
12	93	103	93	10	-10		128	13	115	19	115	115	12
13	91	98	91	7	-7		128	9	119	26	119	119	13
14	89	99	89	10	-10		119	6	113	22	113	113	14
15	87	100	87	13	-13		114	9	105	16	105	105	15
16	84	109	84	25	-25	-80	112	11	101	14	101	101	16
17	82	144	82	62	-62	-230	112	22	90	6	90	90	17
18	80	162	80	82	-82	-120	120	55	65	-17	65	65	18
19	78	162	78	84	-84	-240	151	72	79	-1	79	79	19
20	77	162	77	85	-85	-150	165	74	91	13	91	91	20
21	75	162	75	87	-87		168	75	93	16	93	93	21
22	77	162	77	85	-85	-270	169	77	92	17	92	92	22
23	75	163	75	88	-88	-120	173	75	98	21	98	98	23
24	71	164	71	93	-93	-120	172	77	95	20	95	95	24
25	67	164	67	97	-97	-230	171	85	86	19	86	86	25
26	66	154	66	88	-88	-80	171	85	86	19	86	86	26
27	65	149	65	84	-84	-190	170	77	93	27	93	93	27
28	61	150	61	89	-89	-240	160	74	86	21	86	86	28
29	61	136	61	75	-75		158	78	80	19	80	80	29

12% transit loss on daily Stored releases...

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams.

# DETERMINATION OF PRIORITY WATER

## MARCH 2000

Mean daily discharge - cubic feet per second

2000	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM								
	River Inflow	RELEASES		STORAGE	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR						
		Total	Natural Flow	Inflow minus Outflow							Ac-ft change S C Res.	Duncan Virden	Safford	Winkelman	Ashurst-Hayden		
FEB 28	61	136	61	75	-75	153	66	67	26	87	1896	1894	1891				
MAR 1	58	144	58	86	-86	146	76	70	12	70	1892	1896	"				
MAR 2	57	141	57	84	-84	146	74	72	15	72	1892	1894	1894				
MAR 3	58	142	58	84	-84	144	74	70	12	70	1895	"	1896				
MAR 4	59	142	59	83	-83	146	73	73	14	73	1892	1895	1892				
MAR 5	59	143	59	84	-84	156	74	82	23	82	1905	1892	"				
MAR 6	61	116	61	55	-55	163	48	115	54	115	1916	1905	1895				
MAR 7	66	27	27	39	120	190	190	229	163	229	1924	1916	1892				
MAR 8	66	66	66	66	40	132	"	132	132	198	"	1924	1905				
MAR 9	65	65	65	190	40	91	91	91	91	186	1890	"	1916				
MAR 10	61	77	61	16	80	67	14	53	-8	53	1888	1890	1924				
MAR 11	60	204	60	144	-144	80	80	80	-60	80	1883	1888	"				
MAR 12	58	206	58	148	-148	159	130	29	-29	29	1879	1883	1890				
MAR 13	58	229	58	171	-171	175	150	25	-33	25	1880	1879	1888				
MAR 14	57	282	57	225	-225	207	198	9	-48	9	1878	1880	1883				
MAR 15	56	383	56	327	-610	275	275	9	-56	9	Imm	1878	1879				
MAR 16	54	421	54	367	-367	345	323	22	-32	22	"	Imm	1880				
MAR 17	55	421	55	366	-366	365	322	43	-12	43	"	"	1878				
MAR 18	52	420	52	368	-368	372	324	48	-4	48	"	"	Imm				
MAR 19	53	421	53	368	-368	378	324	54	1	54	"	"	"				
MAR 20	53	421	53	368	-368	384	324	60	7	60	1868	"	"				
MAR 21	55	421	55	366	-366	391	322	69	14	69	1846	1868	"				
MAR 22	52	421	52	369	-760	394	325	69	17	69	1873	1846	"				
MAR 23	52	420	52	368	-820	394	324	70	18	70	1879	1873	1868				
MAR 24	51	420	51	369	-820	395	325	70	19	70	1873	1879	1846				
MAR 25	50	419	50	369	-369	395	325	70	20	70	Imm	1873	1873				
MAR 26	50	397	50	337	-700	374	297	77	27	77	1873	Imm	1879				
MAR 27	49	369	49	320	-320	355	282	73	24	73	1873	1873	1873				
MAR 28	51	356	51	305	-305	351	266	83	32	83	1873	1874	Imm				
MAR 29	52	349	52	297	-297	337	261	76	24	76	"	1873	1873				
MAR 30	47	350	47	303	-303	334	267	67	20	67	"	"	1874				
MAR 31	48	352	48	304	-304	"	"	"	"	"	1868	"	1874				

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams. 12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

APRIL 2000

Mean daily discharge - cubic feet per second

2000	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM					
	RELEASES		STORAGE			Silted and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR			Ashurst-Hayden	
	River Inflow	Total	Natural Flow	Stored	Inflow minus Outflow							Ac-ft change S.C. Res.	Duncan	Safford		Winkelman
APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	
MAR 31	48	352	48	304	-304	-570	337	268	69	21	69	1873	1873	1873	1873	1873
1	50	363	50	303	-303	-790	338	267	71	21	71	1868	1873	1873	1873	1873
2	50	354	50	304	-304	-860	331	268	63	13	63	1868	1868	1868	1868	1868
3	48	354	48	306	-306	-570	329	269	60	12	60	1868	1868	1868	1868	1868
4	49	356	49	307	-307	-640	323	270	53	4	53	1868	1868	1868	1868	1868
5	47	357	47	310	-310	-560	317	273	44	-3	44	1868	1868	1868	1868	1868
6	44	351	44	307	-307	-630	317	270	47	3	47	1868	1868	1868	1868	1868
7	46	344	46	298	-298	-560	315	266	55	9	55	1868	1868	1868	1868	1868
8	43	345	43	302	-302	-660	315	266	49	6	49	1868	1868	1868	1868	1868
9	44	354	44	310	-310	-560	323	273	50	6	50	1868	1868	1868	1868	1868
10	43	354	43	311	-311	-650	323	274	49	6	49	1868	1868	1868	1868	1868
11	42	351	42	309	-309	-690	316	272	44	2	44	1868	1868	1868	1868	1868
12	42	348	42	306	-306	-620	310	269	41	-1	41	1868	1868	1868	1868	1868
13	44	345	44	301	-301	-610	305	265	40	-4	40	1868	1868	1868	1868	1868
14	44	342	44	298	-298	-710	304	262	42	-2	42	1868	1868	1868	1868	1868
15	43	350	43	307	-307	-570	309	270	39	-4	39	1868	1868	1868	1868	1868
16	42	353	42	311	-311	-670	319	274	45	3	45	1868	1868	1868	1868	1868
17	42	350	42	308	-308	-640	316	271	46	3	46	1868	1868	1868	1868	1868
18	41	382	41	341	-341	-860	326	300	26	-15	26	1868	1868	1868	1868	1868
19	41	404	41	363	-363	-790	354	319	35	-6	35	1868	1868	1868	1868	1868
20	43	405	43	362	-362	-720	357	319	38	-5	38	1868	1868	1868	1868	1868
21	48	379	48	331	-331	-780	346	291	55	7	55	1868	1868	1868	1868	1868
22	48	365	48	317	-317	-650	326	279	47	-1	47	1868	1868	1868	1868	1868
23	44	365	44	321	-321	-610	323	282	41	-3	41	1868	1868	1868	1868	1868
24	43	344	43	301	-301	-610	319	265	54	11	54	1868	1868	1868	1868	1868
25	42	330	42	288	-288	-630	299	253	46	4	46	1868	1868	1868	1868	1868
26	40	330	40	290	-290	-700	293	255	38	-2	38	1868	1868	1868	1868	1868
27	39	350	39	311	-311	-660	296	274	22	-17	22	1868	1868	1868	1868	1868
28	36	362	36	326	-326	-850	311	287	24	-12	24	1868	1868	1868	1868	1868
29	33	361	33	328	-328	-850	312	289	23	-10	23	1868	1868	1868	1868	1868
30	31	376	31	345	-345	-680	312	289	23	-10	23	1868	1868	1868	1868	1868

12% transit loss on daily Stored releases...

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams.

# DETERMINATION OF PRIORITY WATER

MAY 2000

Mean daily discharge - cubic feet per second

2000	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM							
	RELEASES		STORAGE		Sluicied and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR		Ashurst-Hayden			
	River Inflow	Total	Natural Flow	Stored							Inflow minus Outflow	Ac-ft change S.C. Res.	Duncan	Safford	Winkelman	Immem
APR 30	31	376	31	345	-345	-680	1	319	304	15	-16	15	1879	Immem	1876	1876
MAY 1	24	242	24	218	-218	-430	2	282	192	90	66	90	1881	Immem	1874	1874
2	22	165	22	143	-143	-300	3	181	126	55	33	55	1878	Immem	1874	1874
3	21	155	21	134	-134	-460	4	151	118	33	12	33	1878	Immem	1874	1874
4	21	155	21	134	-134	-330	5	138	118	20	-1	20	1874	Immem	1874	1874
5	21	153	21	132	-132	-420	6	132	116	16	-5	16	1874	Immem	1874	1874
6	19	152	19	133	-133	-390	7	126	117	9	-10	9	1873	Immem	1874	1874
7	16	151	16	135	-135	-350	8	120	119	1	-15	1	1872	Immem	1874	1874
8	18	135	18	119	-119	-290	9	117	105	12	-4	12	1873	Immem	1874	1874
9	15	127	15	112	-112	-240	10	108	99	9	-6	9	1873	Immem	1874	1874
10	13	95	13	82	-82	-350	11	101	72	29	16	29	1846	Immem	1872	1872
11	11	76	11	65	-65	-150	12	82	57	25	14	25	1875	Immem	1873	1873
12	10	76	10	66	-66	-110	13	68	58	10	10	10	1874	Immem	1873	1873
13	11	76	11	65	-65	-210	14	61	57	4	-7	4	1874	Immem	1874	1874
14	9	76	9	67	-67	-170	15	60	59	1	-8	1	1873	Immem	1875	1875
15	9	76	9	67	-67	-260	16	60	59	1	-8	1	1846	Immem	1874	1874
16	9	76	9	67	-67	-110	17	59	59		-9		1868	Immem	1873	1873
17	8	105	8	97	-97	-400	18	53	53		-8		1868	Immem	1873	1873
18	8	124	8	116	-116	-290	19	64	64		-8		Immem	Immem	1846	1846
19	9	125	9	116	-116	-280	20	75	75		-9		Immem	Immem	1868	1868
20	9	152	9	143	-143	-310	21	78	78		-9		Immem	Immem	1846	1846
21	8	175	8	167	-167	-370	22	96	96		-8		Immem	Immem	Immem	Immem
22	6	192	6	186	-186	-390	23	111	111		-6		Immem	Immem	Immem	Immem
23	6	202	6	196	-196	-490	24	126	126		-6		Immem	Immem	Immem	Immem
24	6	248	6	242	-242	-520	25	137	137		-6		1846	Immem	Immem	Immem
25	3	280	3	277	-277	-600	26	181	181		-3		Immem	Immem	Immem	Immem
26	2	154	2	152	-152	-320	27	190	134	56	54	56	Immem	Immem	Immem	Immem
27	3		3				28	104	104	104	104	107	1875	Immem	1846	1846
28	2		2				29	49	49	49	49	51	1883	Immem	Immem	Immem
29	1		1				30	30	30	30	30	31	1880	Immem	1875	1875
30							31	21	21	21	21	21	Immem	Immem	Immem	Immem
31													Immem	Immem	Immem	Immem

12% transit loss on daily Stored releases...

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams.

# DETERMINATION OF PRIORITY WATER

JUNE 2000

Mean daily discharge - cubic feet per second

2000 MAY 31 JUN 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	SAN CARLOS RESERVOIR			ASHURST-HAYDEN DAM				DAILY CALL SYSTEM					
	River Inflow	RELEASES		Silted and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR			Ashurst- Hayden
		Total	Natural Flow							Stored	Duncan	Safford	
		Inflow minus Outflow	STORAGE Ac-ft change S.C. Res.	JUN					JUN	Viridan	Safford	Winkelman	Ashurst- Hayden
1			-50	1	19		19	19	19	1878	1880	1883	1883
2			-110	2	14		14	14	14	1879	1878	1880	1880
3			-20	3	6		6	6	6	1878	"	"	"
4			-80	4	3		3	3	3	1878	1879	1878	1878
5			-60	5	10		10	10	10	"	1878	"	"
6			-150	6	6		6	6	6	1879	"	1879	1879
7			50	7						1880	1879	1878	1878
8			-30	8						1881	1880	"	"
9			-160	9						"	1881	1879	1879
10			-20	10						1880	"	1880	1880
11				11						"	1880	1881	1881
12			-110	12						"	"	"	"
13			-50	13						1875	"	1880	1880
14			-80	14						1873	1875	"	"
15			-50	15						"	1873	"	"
16			-130	16						1876	"	1875	1875
17	19	19	-50	17						1873	1875	1873	1873
18	36	36	-80	18						1890	1873	"	"
19	3	3	50	19						1876	1890	1875	1875
20	62	24	38	20	1		1	1	4	Immem	1876	1873	1873
21	13	21	-130	21	122		122	98	160	"	Immem	1890	1890
22	7	7	-200	22	87	7	80	67	80	"	"	1876	1876
23	26	26	-30	23	59	11	48	41	48	"	"	Immem	Immem
24	38	38	-20	24	35		35	35	61	"	"	"	"
25	18	18	-60	25	30		30	30	68	"	"	"	"
26	8	8	-20	26	27		27	27	45	"	"	"	"
27	5	5	80	27	6		6	6	14	"	"	"	"
28	3	3	-80	28	2		2	2	7	"	"	"	"
29	3	3	-80	29	3		3	3	6	"	"	"	"
30	4	4	-50	30	1		1	1	4	"	"	"	"

12% transit loss on daily Stored releases...

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams.

# DETERMINATION OF PRIORITY WATER

JULY 2000

Mean daily discharge - cubic feet per second

2000	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM				
	River Inflow	RELEASES		STORAGE		Spilled and/or	Diverted	Stored	Natural Flow	Gain/Loss NatFlow	Nat. Flow Available to Protect	Viridan Duncan	Safford	Winkelman	Ashurst-Hayden
		Total	Natural Flow	Inflow minus Outflow	Ac-ft change S C Res.										
JUN 30															
JUL 1	4			4	-50		3	3		7	1	Immem	Immem	Immem	Immem
JUL 2	10			10	-80					10	2	"	"	"	"
JUL 3	49			49	-100		44	44	44	93	3	1873	"	"	"
JUL 4	34			34	-80		21	21	21	55	4	Immem	1873	"	"
JUL 5	16			16	-50		22	22	22	38	5	"	Immem	"	"
JUL 6	21			21	-50		16	16	16	37	6	"	"	1873	1873
JUL 7	12	14	12	2	-100		1	1	-12		7	"	"	Immem	Immem
JUL 8	10	15	10	5	-180				-10		8	"	"	"	"
JUL 9	5			5			50		50	55	9	"	"	"	"
JUL 10	4			4			50		50	54	10	"	"	"	"
JUL 11	3			3	-50		16	16	16	19	11	"	"	"	"
JUL 12	1			1						1	12	"	"	"	"
JUL 13					-130						13	"	"	"	"
JUL 14	1			1						1	14	"	"	"	"
JUL 15					-20						15	"	"	"	"
JUL 16		18		18	-150						16	"	"	"	"
JUL 17		27		27	-50						17	"	"	"	"
JUL 18		11		11	-110						18	"	"	"	"
JUL 19					-40						19	"	"	"	"
JUL 20	1			1	-30					1	20	"	"	"	"
JUL 21	1			1	-100					1	21	"	"	"	"
JUL 22					-220						22	"	"	"	"
JUL 23					-30						23	"	"	"	"
JUL 24					-20						24	"	"	"	"
JUL 25					-30						25	"	"	"	"
JUL 26					-20						26	"	"	"	"
JUL 27					-30						27	"	"	"	"
JUL 28					-20						28	"	"	"	"
JUL 29					-150						29	"	"	"	"
JUL 30					-70						30	"	"	"	"
JUL 31					-50						31	"	"	"	"
JUL 31					-30										

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams. 12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

AUGUST 2000

Mean daily discharge - cubic feet per second

2000	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM						
	River Inflow	RELEASES		STORAGE		Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR					
		Total	Natural Flow	Inflow minus Outflow	Ac-ft change S C Res.							Viriden	Safford	Winkelman	Ashurst-Hayden		
JUL 31																	
AUG 1				-30													
2		1	-1	-70													
3		1	-1	-50													
4		1	-1	-50													
5	1	2	1	-70													
6		2	-2	-50													
7	1	2	1	-150													
8	19	2	2	17		6		6									
9	70	1	1	69	170	184		184	183	253							
10	95	1	1	45		354		354	353	399							
11		56	56	-150		200		200	144	239				1888			
12	61	83	61	-22	-190	34	19	15	-46	15				1876			
13	36	27	27	9	-120	20		20	-7	29				1876	1888		1888
14	27	8	8	19	-70	43		43	35	62				1873			
15	18	4	4	14	-80	95		95	91	109				1873			
16	21	1	1	20	-20	23		23	22	43				1873			
17	14	6	6	8	-50	21		21	15	29				1874			
18	134	13	13	121	30	31		31	18	152				1874			
19	154	22	22	132	70	245		245	223	377				1873			
20	139	32	32	107	-220	41		41	9	148				1873			
21	44	20	20	24	-120	105		105	85	129				1874			
22	34	3	3	31	-20	60		60	57	91				1874			
23	229	11	11	218	-100	89		89	78	307				1874			
24	477	16	16	461	-50	40		40	24	501				1874			
25	30	14	14	16	-20	43		43	29	59				1873			
26	26	31	26	-5		94	4	90	64	90				1873			
27	25	47	25	-22	-100	79	19	60	35	60				1873			
28	24	49	24	-25	-160	100	22	78	54	78				1873			
29	22	19	19	3	-50	118		118	99	121				1873			
30	242	7	7	235	20	693		693	686	928				1873			
31	648	34	34	614	30	549		549	516	1163				1873			
AUG 31	411	61	61	350		549		549	516	1163				1873			

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams. 12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

**SEPTEMBER 2000**

Mean daily discharge - cubic feet per second

2000	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM							
	RELEASES		STORAGE		Sluiced and/or Spilled		Natural		Gain/Loss		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR			
	River Inflow	Total	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change S.C. Res.	Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat Flow	Available to Project	Viriden	Safford	Winkelman	Ashurst-Hayden
AUG 31	411	61	61	350	350		253	492	492	684	1095		1923	1892	1892	1892
SEP 1	133	76	76	57	-120		27	134	134	85	218		1915	1913	1913	1913
2	79	76	76	3	-80		5	87	87	16	95		1915	1923	1923	1923
3	60	76	76	-16	-90		5	63	63	-8	68		1888	"	"	"
4	45	55	55	-10	-100		5	55	55	5	60		1876	1888	1915	1915
5	41	63	63	-22	-140		5	49	49	-9	54		Immem	1876	"	"
6	31	32	32	-1	-90		3	31	31	2	34		"	Immem	1888	1888
7	25	2	2	23	-70		3	34	34	35	60		"	"	1876	1876
8	26	17	17	9	-70		9	16	16	-1	25		"	"	Immem	Immem
9	24	32	32	-8	-100		4	4	4	-28	4		"	"	"	"
10	18	12	12	6	-100		3	3	3	-9	9		"	"	"	"
11	15			15	-20		2	2	2	2	17		"	"	"	"
12	12			12	-40		2	2	2	2	14		"	"	"	"
13	10			10	-40		2	2	2	2	12		"	"	"	"
14	11	12	12	-1	-50					-12	15		"	"	"	"
15	8	17	17	-9	-70					-17	16		"	"	"	"
16	8	15	15	-7	-100					-15	17		"	"	"	"
17	10	7	7	3	-1020					-7	3		"	"	"	"
18	8			8	880						8		"	"	"	"
19	4			4	4						4		"	"	"	"
20	3	7	7	-4	-40					-7			"	"	"	"
21	2	11	11	-9	-30					-11			"	"	"	"
22	2	20	20	-18	-110					-20			"	"	"	"
23	3	17	17	-14	-120					-17			"	"	"	"
24	17	5	5	12	-30					-5	12		"	"	"	"
25	14			14	-20						14		"	"	"	"
26	11			11							11		"	"	"	"
27	6			6	-20						6		1882	"	"	"
28	2			2	-20						2		1876	1882	"	"
29	1			1							1		"	1876	"	"
30	3			3							3		"	"	"	"

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams.

12% transit loss on daily Stored releases...



# DETERMINATION OF PRIORITY WATER

## OCTOBER 2000

Mean daily discharge - cubic feet per second

2000		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM COMPUTED PRIORITY YEAR				
		RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow				Virden Duncan	Safford Winkelman	Ashurst- Hayden
		River Inflow	Total Natural Flow	Natural Flow	Stored	Inflow minus Outflow	Ac-ft. change S C Res.	Diverted	Stored					
SEP 30	3									1875	1882	1882		
OCT 1	4				40					1875	1876	1876		
2	5				-40					1883	"	"		
3	8				-30					1882	1883	1875		
4	7				-40					1882	"	"		
5	5									1876	"	1883		
6	4				-100					1875	1876	1882		
7	3				120					1875	"	"		
8	5				-280					1876	"	1876		
9	7									1924	"	1875		
10	353				420			329	329	1924	"	1875		
11	414							183	183	"	1924	1876		
12	648				140			738	738	"	"	"		
13	2689				310			705	705	"	"	1924		
14	3268				3210			461	461	"	"	"		
15	1474				4480			3	3	"	"	"		
16	864				2020					"	"	"		
17	452				1140					"	"	"		
18	303				750					"	"	"		
19	247				360					"	"	"		
20	196				410					"	"	"		
21	181				350					"	"	"		
22	191				440					"	"	"		
23	307				390					"	"	"		
24	1424				570					"	"	"		
25	7757				6740			23	23	"	"	"		
26	4426				11470					"	"	"		
27	2638				6080					"	"	"		
28	2262				4120					"	"	"		
29	2875				3680					"	"	"		
30	7688				8630					"	"	"		
31	4526				11060					"	"	"		

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams. 12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

**NOVEMBER 2000**

Mean daily discharge - cubic feet per second

2000		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM					
		RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		Gain/Loss		Nat. Flow Available		COMPUTED PRIORITY YEAR	
River	Inflow	Total	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change	NOV	NOV	NOV	NOV	Duncan	Safford	Winkelman	Ashurst-Hayden	
OCT 31	4526				4526	11060	1	71	71	71	4597	1924	1924	1924	
NOV 1	2779				2779	6350	2	164	164	164	2943	"	"	"	
2	1862				1862	4490	3	351	351	351	2213	"	"	"	
3	1430				1430	3200	4	22	22	22	1452	"	"	"	
4	1191				1191	2900	5	91	91	91	1282	"	"	"	
5	1545				1545	2400	6	29	29	29	1574	"	"	"	
6	5815				5815	8300	7	799	799	799	6614	"	"	"	
7	5780				5780	11700	8	653	653	653	6433	"	"	"	
8	8830				8830	12400	9	442	442	442	9272	"	"	"	
9	6420				6420	14400	10	611	611	611	7031	"	"	"	
10	4643				4643	9200	11	245	245	245	4888	"	"	"	
11	3552				3552	6800	12	172	172	172	3724	"	"	"	
12	3287				3287	5500	13	80	80	80	3367	"	"	"	
13	3196				3196	5500	14	30	30	30	3226	"	"	"	
14	2952				2952	5500	15	25	25	25	2977	"	"	"	
15	2501				2501	4300	16	25	25	25	2526	"	"	"	
16	2117				2117	3700	17	22	22	22	2139	"	"	"	
17	1828				1828	3500	18	22	22	22	1850	"	"	"	
18	1557				1557	2800	19	22	22	22	1579	"	"	"	
19	1369				1369	2600	20	22	22	22	1391	"	"	"	
20	1214				1214	2500	21	21	21	21	1235	"	"	"	
21	1091				1091	2000	22	20	20	20	1111	"	"	"	
22	954				954	1900	23	15	15	15	969	"	"	"	
23	890				890	1800	24	15	15	15	905	"	"	"	
24	829				829	1600	25	15	15	15	844	"	"	"	
25	778				778	1700	26	15	15	15	793	"	"	"	
26	733				733	1500	27	15	15	15	748	"	"	"	
27	704				704	1600	28	15	15	15	719	"	"	"	
28	682				682	1300	29	15	15	15	697	"	"	"	
29	667				667	1200	30	15	15	15	682	"	"	"	
30	655				655	2100									

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams. 12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

## DECEMBER 2000

Mean daily discharge - cubic feet per second

2000		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM			
		RELEASES		STORAGE		Slutced and/or Spilled		Natural Flow		COMPUTED PRIORITY YEAR		Viriden	
		River Inflow	Total	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change S C Res.	Diverted	Stored	Natural Flow	Safford	Winkelman	Ashurst-Hayden
NOV 30	655	99	99	144	437	800	78	78	556	1924	1924	1924	
DEC 1	637	273	273	364	600	600	240	240	-99	"	"	"	
DEC 2	626	309	309	317	600	600	230	230	-195	"	"	"	
DEC 3	622	198	198	424	500	4	154	154	-69	"	"	"	
DEC 4	615	144	144	471	800	6	148	148	32	"	"	"	
DEC 5	599	144	144	455	700	2	146	146	10	"	"	"	
DEC 6	581	144	144	437	800	7	146	146	4	"	"	"	
DEC 7	569	144	144	425	600	8	146	146	2	"	"	"	
DEC 8	559	245	245	314	700	9	176	176	2	"	"	"	
DEC 9	538	311	311	227	600	10	276	276	-69	"	"	"	
DEC 10	523	311	311	212	600	11	280	280	490	"	"	"	
DEC 11	504	311	311	193	400	12	287	287	603	"	"	"	
DEC 12	496	323	323	173	400	13	303	303	492	"	"	"	
DEC 13	481	330	330	151	100	14	315	315	2	"	"	"	
DEC 14	469	330	330	139	100	15	322	322	-24	"	"	"	
DEC 15	462	330	330	132	400	16	326	326	-20	"	"	"	
DEC 16	445	319	319	126	200	17	318	318	-15	"	"	"	
DEC 17	434	311	311	123	300	18	308	308	-8	"	"	"	
DEC 18	423	293	293	130	100	19	302	302	461	"	"	"	
DEC 19	412	220	220	192	20	20	271	271	458	"	"	"	
DEC 20	409	152	152	257	600	21	212	212	444	"	"	"	
DEC 21	394	134	134	260	400	22	177	177	-1	"	"	"	
DEC 22	383	134	134	249	400	23	166	166	43	"	"	"	
DEC 23	373	164	164	209	400	24	163	163	32	"	"	"	
DEC 24	370	203	203	167	300	25	206	206	415	"	"	"	
DEC 25	372	204	204	168	300	26	220	220	-1	"	"	"	
DEC 26	360	203	203	157	100	27	225	225	3	"	"	"	
DEC 27	344	283	283	61	200	28	245	245	16	"	"	"	
DEC 28	333	286	286	47	300	29	301	301	22	"	"	"	
DEC 29	321	227	227	94	300	30	242	242	-38	"	"	"	
DEC 30	311	164	164	147	700	31	136	136	15	"	"	"	
DEC 31	311	148	148	163	100				-28	"	"	"	

24 hour lag allowed between Coolidge/Ashurst-Hayden Dams.

12% transit loss on daily Stored releases...



**RELATIVE DIVERSION RIGHT FOR DUNCAN VALLEY**

Based on one cubic foot per second for each eighty acres

THEN BEING IRRIGATED

Year	Sunset		New Model		Valley		Colmanero		Sexton		R. Sexton		York		F. E. Ross		York Cattle		J. H. Brown		R. K. Davis		Laura Short		Albert		Total				
	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	Decreed	TBI 2000	
1874	6.3	6.5																													
1881	12.1	10.7																													
1882	13.2	11.6																													
1884			0.5	0.4																											
1885	15.5	13.6	2.2	1.6	1.0	0.7																									
1886			4.1	3.1	2.0	1.5																									
1887	16.1	14.2	4.2	3.1																											
1888			6.6	4.9	7.2	5.3																									
1889			7.9	5.9																											
1891	16.5	14.5	8.0	6.0																											
1892	17.7	15.6																													
1893	17.8		8.8	6.6																											
1894			11.1	8.3	8.2	6.0																									
1895	19.8	17.4	12.0	9.0	9.6	7.0																									
1896	21.0	18.5	14.2	10.6																											
1897	21.1	18.6	23.5	17.6	13.7	10.0	0.9																								
1898	24.4	21.5	29.6	22.2	14.4	10.6	1.1																								
1900	27.6	24.3	30.7	23.0	14.6	10.7	1.2																								
1901							1.6																								
1902							1.3																								
1903							2.4																								
1904	28.5	25.1			15.1	11.1	3.0																								
1905			31.3	23.4	15.2	11.1	3.4																								
1906			31.5	23.6																											
1907			31.6	23.7			5.0																								
1908			32.3	24.2	16.6	12.2	5.3																								
1909																															
1910			32.5	24.3																											
1911	29.1																														
1912			32.7	24.5																											
1913			32.8	24.6																											
1914	29.4	25.9	33.1	24.8																											
1915					17.0	12.5	5.4																								
1916					17.1	12.5																									
1917	33.6	29.6	33.3	24.9	17.2	12.6	5.5																								
1918	34.4	30.3			17.3	12.7																									
1919																															
1920			33.5	25.1																											
1921																															
1926	34.5	30.4																													
1929			34.0	25.5																											
Total	34.5	30.4	34.0	25.5	17.3	12.7	5.5	1.7	1.8	3.9	0.1	0.6	0.3	0.3	0.5	0.1	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	
DECREED ACRES	2,759.90		2,717.55		1,387.20	441.00	137.90	144.10	144.10	315.10	11.60	49.80	25.60	26.30	56.50	8.80	80.6135														
TBI ACRES	2,429.74		2,034.77		1,017.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
% REDUCTION	11.96%		25.12%		26.65%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	
% ACRES TBI	88.04%		74.88%		73.35%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

Note: for blank spaces use first figure above modified effective December 1, 2000, in accordance with Court Order

# RELATIVE DIVERSION RIGHT FOR SAFFORD VALLEY

Based on one cubic foot per second for each eighty acres

THEN BEING IRRIGATED

Year	Consolidated Brown		Fourness		San Jose		Montezuma		Union - Sunflower		Graham		Smithville		Dodge - Nevada		Curtis		Fort Thomas		ColMn - Jones		TBI TOTAL		
	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	Decred	TBI 2000	
1872																									
1873																									
1874																									
1875																									
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1918																									
1919																									
1920																									
Total																									
DECRED ACRES	1,326.80		210.70		4,150.03		4,835.95		7,371.96		4,217.65		2,549.33		2,549.33		2,516.54		1,971.70		3,155.70		205.90		32,512.40
TBI ACRES	1,102.53		183.60		3,689.26		5,824.42		5,824.42		3,885.22		2,320.36		2,320.36		2,391.44		1,762.65		2,961.25		165.50		28,104.21
% REDUCTION	16.88%		10.01%		18.95%		7.79%		4.97%		8.96%		8.96%		4.97%		4.97%		11.10%		9.33%		19.62%		13.56%
% ACRES TBI	83.12%		89.99%		88.90%		81.01%		79.01%		92.21%		91.02%		95.03%		95.03%		88.90%		90.67%		80.38%		86.44%

Note: for blank spaces use first figure above modified effective December 1, 2000 in accordance with Court Order

2000

COMPARISON OF U.S.G.S. 2000 PROVISIONAL TO FINAL DATA

Negative number means revised down from original data

STATION	JANUARY REVISED AC-FT	FEBRUARY REVISED AC-FT	MARCH REVISED AC-FT	APRIL REVISED AC-FT	MAY REVISED AC-FT	JUNE REVISED AC-FT	JULY REVISED AC-FT	AUGUST REVISED AC-FT	SEPTEMBER REVISED AC-FT	OCTOBER REVISED AC-FT	NOVEMBER REVISED AC-FT	DECEMBER REVISED AC-FT	TOTAL REVISED AC-FT
Gila Below Blue Creek	0	0	0	0	(76)	99	321	0	0	250	0	0	594
Gila River Near Clifton	0	0	0	149	18	472	48	221	(224)	162	3,499	56	4,401
San Francisco River @ Clifton	(224)	(123)	(272)	48	99	(42)	(14)	(40)	0	2,001	7,256	234	8,925
Head of Safford Valley	210	197	484	228	43	114	(547)	228	99	(16,592)	13,200	115	(2,211)
Gila @ Calva	(8)	0	16	(79)	(16)	(9)	67	0	26	(2,104)	(1,422)	226	(3,303)
San Carlos River @ Peridot	0	0	0	1	0	0	0	(2)	0	(72)	808	59	794
Gila Below Coolidge Dam	0	0	0	0	1	(3)	16	181	0	(33)	(34)	(290)	(162)
Gila @ Kelvin	48	(8)	4	153	(341)	(84)	(4)	400	0	(85)	548	532	1,163

Note: revised data not used in Water Commissioner's 2000 Annual Report

# 2000

## GILA RIVER BELOW BLUE CREEK, NEAR VIRDEN, N. M.

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	105	102	95	97	44	14	26	28	35	9.8	531	225
2	104	101	92	101	44	14	36	25	35	9.5	421	216
3	106	101	93	100	42	13	32	21	33	9.2	342	210
4	105	98	102	96	41	12	30	19	33	9.0	1150	208
5	106	100	101	85	40	12	29	19	27	8.6	1880	204
6	105	98	99	77	38	12	26	19	21	8.3	1800	198
7	104	98	103	72	36	13	24	21	20	7.4	2860	187
8	104	99	106	70	34	12	23	23	21	6.8	1920	186
9	103	95	110	68	33	12	24	26	21	6.8	1380	172
10	103	91		71	32	12	23	29	20	7.0	1080	169
11	100	92	107	76	30	11	24	33	20	8.2	1060	169
12	93	100	102	72	30	10	26	40	19	222	1240	168
13	91	102	95	66	30	9.2	31	37	19	1310	1050	166
14	90	100	97	57	30	8.5	31	38	18	777	842	164
15	91	98	93	59	30	7.9	31	34	19	471	711	165
16	91	93	90	67	30	7.5	33	33	19	324	632	163
17	90	91	87	69	29	7.4	29	31	18	249	564	161
18	89	91	86	66	29	7.3	27	32	16	213	499	158
19	90	91	85	60	29	7.3	25	35	16	194	435	155
20	91	88	85	58	29	7.6	26	32	15	168	391	153
21	92	89	88	55	28	7.3	29	31	15	147	352	153
22	93	90	91	52	27	6.8	27	29	14	130	323	150
23	92	84	95	49	26	6.5	26	24	13	518	300	149
24	93	78	107	50	24	6.2	27	22	13	1500	276	149
25	95	81	104	49	23	6.0	27	22	13	1240	263	147
26	96	91	99	47	23	5.8	26	22	13	823	254	147
27	98	93	103	47	22	5.7	24	21	13	612	248	146
28	99	91	103	44	22	5.8	24	25	12	1870	242	145
29	100	90	101	43	20	23	24	25	12	1170	238	144
30	101		98	43	19	21	24	26	13	905	234	142
31	101		97		18		29	33		686		141
<b>Total</b>	<b>3021</b>	<b>2716</b>	<b>3023</b>	<b>1966</b>	<b>932</b>	<b>303.8</b>	<b>843</b>	<b>855</b>	<b>576</b>	<b>13619.6</b>	<b>23518</b>	<b>5210</b>
<b>Ac-ft</b>	<b>5992</b>	<b>5387</b>	<b>5996</b>	<b>3900</b>	<b>1849</b>	<b>603</b>	<b>1672</b>	<b>1696</b>	<b>1142</b>	<b>27014</b>	<b>46648</b>	<b>10334</b>

**Total for year: 112,233 acre-feet**

Drainage area—3,203 sq. mi., excluding Animas River Basin



# 2000

## GILA RIVER NEAR CLIFTON, ARIZONA

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	92	99	48	57	32	23	75	23	80	17	509	280
2	96	100	48	55	33	25	170	20	72	17	445	270
3	101	101	52	51	31	24	68	20	68	18	396	260
4	100	101	51	53	30	22	47	21	64	18	1090	240
5	101	101	55	53	30	22	41	19	61	19	1750	230
6	99	100	58	47	29	26	38	19	55	21	1540	220
7	97	95	61	41	28	28	36	50	49	21	3130	210
8	98	90	65	36	27	29	33	92	44	21	2080	189
9	100	92	65	32	28	32	31	52	39	22	1400	181
10	104	94	61	31	28	31	29	129	35	21	1090	170
11	105	93	63	29	28	31	29	78	32	57	968	164
12	106	89	62	27	28	31	28	186	31	401	1060	166
13	100	94	59	28	32	30	23	97	29	201	1090	166
14	94	95	55	29	30	29	24	82	27	611	893	160
15	95	94	50	29	30	29	39	72	26	325	736	156
16	92	89	50	29	31	31	30	66	25	168	609	157
17	90	80	52	28	32	34	25	68	25	70	537	157
18	90	71	50	29	31	33	25	55	25	26	473	155
19	89	64	45	29	29	52	23	49	25	10	422	151
20	86	59	44	28	31	62	21	46	24	7.8	397	155
21	87	53	43	28	32	76	22	43	24	11	370	151
22	85	53	43	29	29	19	24	41	25	8.9	330	151
23	86	54	48	31	30	19	23	39	24	941	300	154
24	88	52	49	31	30	14	21	37	25	578	280	148
25	88	47	49	32	28	15	22	36	25	944	260	148
26	91	45	57	32	27	16	23	35	25	722	240	146
27	94	50	60	33	25	20	22	34	27	471	220	143
28	95	49	61	35	23		24	52	27	921	200	141
29	96	49	62	35	20	64	24	128	27	1210	180	140
30	99		61	32	18	314	24	57	27	788	160	143
31	99		60		19		29	51		671		143
<b>Total</b>	2943	2253	1687	1059	879	1181	1093	1797	1092	9337.7	23155	5445
<b>Ac-ft</b>	5837	4469	3346	2101	1743	2343	2168	3564	2166	18521	45928	10800

**Total for year: 102,986 acre-feet**

Drainage area.--4,010 sq. mi.

2000

**SAN FRANCISCO RIVER AT CLIFTON, ARIZONA**

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	71	73	57	75	45	16	55	68	91	14	763	206
2	73	72	57	76	43	17	45	50	67	13	592	196
3	78	75	57	82	37	19	69	39	55	11	507	197
4	78	72	58	79	33	21	48	34	49	11	2020	199
5	77	69	55	75	34	23	39	29	43	12	3480	189
6	78	71	53	73	33	20	35	28	39	12	2870	180
7	78	73	60	70	31	20	32	28	36	12	3650	179
8	77	72	62	68	30	25	30	43	34	13	1930	175
9	77	71	60	65	31	27	31	50	34	15	1260	178
10	77	72	55	62	28	26	30	64	29	17	967	175
11	76	73	57	60	28	24	26	54	27	1720	976	168
12	75	73	58	57	28	23	25	59	26	4870	1060	162
13	75	70	59	56	24	22	27	49	27	1790	823	165
14	71	64	58	52	23	19	29	40	27	518	663	166
15	70	63	58	50	21	16	31	36	26	284	567	159
16	71	62	61	53	22	18	32	30	25	184	513	154
17	75	61	62	52	23	18	30	54	24	131	474	152
18	79	61	59	52	24	17	30	65	23	100	416	149
19	80	58	57	55	25	20	31	50	24	88	367	145
20	80	56	59	55	25	47	29	60	22	83	333	149
21	78	59	59	54	25	62	27	47	22	77	318	149
22	79	59	68	55	24	58	25	39	21	124	273	146
23	80	60	83	53	21	43	24	84	19	6560	262	145
24	78	60	154	53	17	35	31	55	19	5730	249	145
25	79	59	106	51	18	30	41	42	20	2170	240	140
26	79	62	89	49	19	24	40	35	20	1160	227	138
27	77	61	87	44	19	22	37	44	18	775	221	134
28	74	58	83	40	17	25	34	46	17	4230	213	142
29	73	59	83	40	15	35	29	186	16	4300	208	135
30	71		83	43	12	38	34	109	15	1920	205	135
31	72		76		11		108	168		1080		136
<b>Total</b>	2356	1898	2133	1749	786	810	1134	1785	915	38024	26647	4988
<b>Ac-ft</b>	4673	3765	4231	3469	1559	1607	2249	3541	1815	75421	52854	9894

**Total for year: 165,078 acre-feet**

Drainage area.—2,766 square miles

# 2000

## GILA RIVER AT HEAD OF SAFFORD VALLEY, NEAR SOLOMON, ARIZONA

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	195	186	155	140	72	39	169	105	227	60	2140	475
2	198	189	153	140	71	41	185	96	165	58	1740	482
3	206	189	154	138	69	42	165	84	133	58	1430	466
4	206	189	153	137	68	41	131	76	113	56	3080	457
5	209	186	152	135	65	41	105	68	100	55	6460	445
6	210	185	150	130	64	43	89	69	93	57	5190	434
7	209	184	153	124	64	41	81	70	92	57	8830	435
8	208	182	157	120	62	41	77	95	89	55	5850	427
9	209	182	157	112	63	44	73	102	83	59	3980	418
10	212	184	151	108	62	47	70	95	76	62	2980	408
11	213	186	148	104	60	46	65	120	72	738	2630	401
12	212	184	148	101	60	45	60	108	69	6860	2790	389
13	207	186	147	99	61	45	57	117	65	3680	2540	384
14	201	184	144	95	60	44	60	83	65	1550	2120	375
15	194	183	139	91	59	43	64	69	65	723	1800	359
16	192	180	138	89	57	44	66	69	61	416	1580	354
17	191	176	139	89	57	48	61	71	57	299	1410	347
18	194	173	138	89	57	53	58	103	60	217	1260	341
19	196	167	136	88	57	56	60	106	60	174	1120	332
20	194	162	135	88	59	126	64	103	63	158	995	328
21	193	159	136	88	59	146	64	102	63	152	886	322
22	192	161	137	85	58	147	66	91	62	149	801	321
23	190	161	142	85	56	113	66	93	61	7560	730	318
24	190	162	159	85	51	97	63	95	61	11700	661	314
25	191	160	168	82	46	90	67	76	59	5240	620	309
26	194	158	152	80	44	88	72	69	62	3440	585	304
27	189	159	148	79	44	89	70	61	63	2340	548	297
28	186	157	146	77	43	108	85	126	66	4850	476	292
29	184	156	144	74	42	139	69	314	66	8240	449	280
30	184		144	72	40	228	71	340	65	4290	431	260
31	183		142		38		89	255		2890		256
<b>Total</b>	6132	5070	4565	3024	1768	2215	2542	3431	2436	66243	66112	11330
<b>Ac-ft</b>	12163	10056	9055	5998	3507	4393	5042	6805	4832	131393	131133	22473

**Total for year: 346,850 acre-feet**

Drainage area.—7,896 square miles

# 2000

## GILA RIVER AT CALVA, ARIZONA

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	145	133	50	42	20		7.1		98	0.2	2530	616
2	147	129	49	42	18		46		54	2.0	1750	604
3	154	128	50	40	17		32		42	5.4	1400	602
4	156	127	51	41	17		15		30	4.9	1180	595
5	159	118	50	39	17		20		28	2.8	1540	579
6	162	110	51	37	15		12		21	2.2	5810	561
7	165	102	53	39	13		9.5		17	1.2	5580	549
8	167	97	53	36	13		4.6	33	19	1.4	8630	539
9	167	93	52	36	12		3.5	38	18	5.0	6270	518
10	167	90	50	37	11		3.2	20	13	10	4470	503
11	163	87	50	36	9.3		0.7	48	10	157	3400	484
12	162	84	49	36	8.2		0.3	25	8.0	589	2890	476
13	162	82	49	37	8.6		0.9	17	5.5	2660	2940	461
14	160	81	48	37	7.2			10	7.5	3240	2790	450
15	159	79	47	37	7.4			15	4.2	1450	2390	442
16	158	76	45	36	6.8			10	4.7	847	2040	425
17	156	74	46	36	5.7			4	7.1	439	1770	414
18	155	72	44	35	5.5		0.1	2	6.0	292	1510	403
19	157	70	45	35	6.5		0.6	7	2.3	237	1330	392
20	158	69	45	37	6.6		0.6	30	1.5	187	1180	389
21	158	67	48	41	5.9			21	0.6	172	1060	375
22	159	68	44	42	4.0			10	0.3	178	927	363
23	156	63	44	38	3.5	18		12	1.8	226	865	353
24	153	60	43	37	4.1	30		10	16	1400	805	350
25	153	57	42	36	2.4	12		8	13	7710	755	352
26	152	57	42	34	1.6	4		8	10	4400	712	340
27	152	56	41	33	1.8	1		8	5.1	2620	683	324
28	149	53	43	31	1.5			6	2.1	2070	662	313
29	141	53	44	29	0.9			77	0.6	2480	647	301
30	139		39	27	0.3			560	0.2	7540	636	291
31	138		40					334		4410		291
<b>Total</b>	<b>4829</b>	<b>2435</b>	<b>1447</b>	<b>1099</b>	<b>250.8</b>	<b>64.1</b>	<b>156.1</b>	<b>1312.6</b>	<b>446.4</b>	<b>43339.1</b>	<b>69152</b>	<b>13655</b>
<b>Ac-ft</b>	<b>9578</b>	<b>4830</b>	<b>2870</b>	<b>2180</b>	<b>497</b>	<b>127</b>	<b>310</b>	<b>2604</b>	<b>885</b>	<b>85963</b>	<b>137163</b>	<b>27085</b>

**Total for year: 274,092 acre-feet**

Drainage area.—11,470 square miles

# 2000

## SAN CARLOS RIVER NEAR PERIDOT, ARIZONA

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	11	9.8	7.7	7.7	3.9		2.8		35	4.1	249	21
2	11	9.8	7.7	7.7	3.9		2.7		25	3.1	112	22
3	11	9.4	7.7	8.0	3.8		2.1		18	2.7	30	20
4	11	9.4	7.9	7.8	3.7		1.4	1	15	2.2	11	20
5	11	11	8.8	7.8	3.6		0.5		13	2.6	5.0	20
6	11	8.6	10	7.3	3.5			1	10	1.8	5.0	20
7	10	8.7	13	6.8	3.1			19	8.1	1.7	200	20
8	10	8.7	13	7.0	2.8			37	7.0	3.3	200	20
9	11	8.7	13	7.6	2.5			8.0	6.0	2.0	150	20
10	11	8.7	11	6.3	2.3			75.0	5.4	343	173	20
11	11	8.7	10	6.3	2.0			13.0	4.8	257	152	20
12	8.4	8.7	9.4	6.3	1.9			11.0	4.2	59	397	20
13	12	8.7	9.2	6.5	1.9			10.0	4.1	29	256	20
14	12	8.4	8.7	6.8	1.9			8.0	3.7	28	162	19
15	12	8.2	8.5	6.3	2.0			6.2	3.4	24	111	20
16	12	8.3	8.7	6.2	1.8			4.8	3.1	17	77	20
17	12	8.2	8.5	6.0	2.0	19.0		130.0	2.6	13	58	20
18	12	8.0	8.3	5.9	2.1	36.0		152.0	2.3	11	47	20
19	12	8.0	7.9	6.2	2.3	3.3		132.0	1.6	10	39	20
20	11	8.2	7.6	6.2	2.0	62.0		14.0	1.6	9.4	34	20
21	11	8.3	7.4	6.5	2.2	13.0		13	1.4	8.9	31	19
22	11	9.2	7.5	6.0	2.1	7.3		219	1.7	13	27	20
23	10	12	7.6	5.7	2.1	7.5		465	1.3	81	25	20
24	10	11	8.2	5.8	1.5	8.1		20	0.9	24	24	20
25	10	10	8.3	6.2	0.9	5.8		18.0	0.9	47	23	20
26	9.8	9.3	8.2	5.9	0.7	4.1		17	1.0	26	21	20
27	9.6	8.6	8.2	5.6	0.9	3.9		16.0	0.4	18	21	20
28	9.9	8.4	8.2	5.0	0.3	3.3		16	0.3	192	20	20
29	9.8	7.7	8.4	4.2		2.6		165	0.8	395	20	20
30	9.7		8.3	3.8		3.5		88	3.2	148	19	20
31	9.8		8					77		116		20
<b>Total</b>	333	260.7	274.9	191.4	63.7	179.4	9.5	1735.4	185.7	1892.8	2699	621
<b>Ac-ft</b>	661	517	545	380	126	356	19	3442	368	3754	5353	1232

**Total for year: 16,753 acre-feet**

Drainage area--1,026 square miles

# 2000

## GILA RIVER BELOW COOLIDGE DAM, ARIZONA

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	57	133	144	353	242	1.3	1.3	1.3	76	0.8	1.1	273
2	91	118	141	354	165	1.3	1.3	1.3	76	0.8	1.0	309
3	90	118	142	354	155	1.3	7.2	1.4	76	0.8	0.9	198
4	90	118	142	356	155	1.3	7.7	1.7	55	0.7	1.2	144
5	91	114	143	357	153	1.3	3.8	1.8	63	0.6	0.9	144
6	92	111	116	351	152	1.1	14	2.0	32	0.6	1.3	144
7	92	111	27	344	151	1.1	15	2.0	1.7	0.6	1.0	144
8	92	111	2.0	345	135	1.3	5.7	1.3	17	0.6	0.8	245
9	92	111	1.8	354	127	1.3	1.2	1.3	32	0.6	0.8	311
10	92	111	77	354	95	1.3	1.1	56	12	1.2	0.8	311
11	87	111	204	351	76	1.3	1.1	83	1.1	0.9	0.8	311
12	59	103	206	348	76	1.3	7.6	27	1.1	0.8	0.8	323
13	17	98	229	345	76	1.3	1.2	8.1	1.1	0.8	0.8	330
14	1.7	99	282	342	76	1.3	1.1	3.7	12	0.8	0.8	330
15	1.7	100	383	350	76	1.3	18	1.1	17	0.8	2.7	330
16	1.9	109	421	353	76	1.3	27	5.6	15	0.8	1.2	319
17	2.1	144	421	350	105	1.3	11	13	7.2	0.8	1.1	311
18	2.4	162	420	382	124	1.3	1.2	22	1.3	0.8	0.9	293
19	2.1	162	421	404	125	1.5	1.1	32	1.1	0.6	0.8	220
20	2.0	162	421	405	152	24	1.1	20	7.3	0.6	0.9	152
21	35	162	421	379	175	21	1.1	2.9	11	0.6	0.9	134
22	35	162	421	365	192	19	1.1	11	20	0.7	1.0	134
23	34	163	420	365	202	1.8	1	16	17	0.8	0.8	164
24	96	164	420	344	248	2.8	1.2	14	4.5	0.9	0.9	203
25	127	164	419	330	280	2.8	1.3	31	0.9	0.9	0.9	204
26	126	154	387	330	154	1.7	1.6	47	0.8	0.8	0.8	203
27	138	149	369	350	1.5	1.7	1.6	49	0.8	1.1	0.8	283
28	145	150	356	362	1.1	1.7	1.5	19	0.8	1.4	0.8	286
29	144	136	349	361	1.1	1.7	1.3	7.2	0.8	1.3	0.9	227
30	152		350	376	1.1	1.7	1.3	34	0.8	1.3	99	164
31	156		352		1.1		1.5	61		1.4		148
<b>Total</b>	2243.9	3810	8607.8	10714	3748.9	104.4	143.2	577.7	562.3	26.2	127.4	7292
<b>Ac-ft</b>	4451	7557	17074	21251	7436	207	284	1146	1115	52	253	14464

**Total for year: 75,290 acre-feet**

Drainage area.—12,886 square miles

# 2000

## NATURAL FLOW RELEASED AT COOLIDGE DAM

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	57	133	58	50	24				76			273
2	91	118	57	50	22				76			309
3	90	118	58	48	21				76			198
4	90	118	59	49	21			1	55			144
5	91	114	59	47	21				63			144
6	92	111	61	44	19		12	1	32			144
7	92	111	27	46	16		10	2	2			144
8	92	106		43	16			1	17			245
9	92	102		44	15			1	32			311
10	92	99	61	43	13			56	12			311
11	87	96	60	42	11			61				311
12	59	93	58	42	10			27				323
13	17	91	58	44	11			8				330
14		89	57	44	9			4	12			330
15		87	56	43	9			1	17			330
16		84	54	42	9			6	15			319
17		82	55	42	8			13	7			311
18		80	52	41	8			22				293
19		78	53	41	9			32				220
20		77	53	43	9	24		20	7			152
21	35	75	55	48	8	13		3	11			134
22	35	77	52	48	6	7		11	20			134
23	34	75	52	44	6			16	17			164
24	96	71	51	43	6			14	5			203
25	127	67	50	42	3			26				204
26	126	66	50	40	2			25				203
27	138	65	49	39				24				283
28	145	61	51	36				19				286
29	144	61	52	33				7				227
30	149		47	31				34			99	164
31	148		48					61				148
<b>Total</b>	2219	2605	1553	1292	312	44	22	496	552		99	7292
<b>Ac-ft</b>	4401	5167	3080	2563	619	87	44	984	1095		196	14464

**Total for year: 32,700 acre-feet**

# 2000

## STORED WATER RELEASED AT COOLIDGE DAM

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			86	303	218			1				
2			84	304	143			1				
3			84	306	134			1				
4			83	307	134			1				
5			84	310	132			2				
6			55	307	133		2	1				
7				298	135		5					
8		5		302	119							
9		9		310	112							
10		12	16	311	82							
11		15	144	309	65			22				
12		10	148	306	66							
13		7	171	301	65							
14		10	225	298	67							
15		13	327	307	67		18					
16		25	367	311	67		27					
17		62	366	308	97		11					
18		82	368	341	116							
19		84	368	363	116							
20		85	368	362	143							
21		87	366	331	167	8						
22		85	369	317	186	12						
23		88	368	321	196							
24		93	369	301	242							
25		97	369	288	277			5				
26		88	337	290	152			22				
27		84	320	311				25				
28		89	305	326								
29		75	297	328								
30	3		303	345								
31	8		304									
<b>Total</b>	11	1205	7051	9422	3431	20	63	81				
<b>Ac-ft</b>	22	2390	13986	18689	6805	40	125	161				

**Total for year: 42,218 acre-feet**



# 2000

## GILA RIVER AT KELVIN, ARIZONA

Mean daily discharge, cubic feet per second

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	69	169	157	334	338	14	5	0.9	306	2.6	73	28
2	58	157	157	333	221	11	28	0.9	70	2.4	167	177
3	98	141	150	321	165	9.1	11	0.2	44	2.1	368	231
4	109	140	145	324	153	7.5	15	0.2	39	1.8	125	161
5	111	141	147	320	143	6.1	11	0.2	38	1.4	93	130
6	111	139	152	318	132	4.7	6.5	1.6	30	1.1	30.0	158
7	111	136	197	307	128	3.6	4.3	1.0	37	0.4	813	131
8	112	135	157	293	125	2.5	19	0.3	25	0.3	664	132
9	112	136	92	297	122	1.7	47	580	18	0.3	450	210
10	113	137	59	294	115	1.4	11	254	15	135	622	249
11	113	137	45	296	104	1.2	6.4	61	14	265	249	251
12	111	138	130	298	83	1.1	4.5	10	12	557	175	313
13	103	135	167	301	76	1	2.9	17	11	821	81	343
14	82	128	193	305	71	0.8	1.7	35	8.6	916	31	339
15	64	128	252	302	69	0.8	1.1	24	7.8	333	25	319
16	53	127	381	313	67	2.2	0.8	9.1	7.1	18	24	273
17	47	131	437	316	66	4.1	0.5	6.8	7.1	13	23	237
18	44	152	443	325	75	16	0.4	231	7.3	11	22	235
19	41	175	444	359	100	23	0.3	42	6.9	12	22	228
20	39	180	448	381	101	25	0.4	36	6.7	286	22.0	205
21	38	184	445	385	110	153	0.5	31	6.9	73	21	171
22	37	190	443	357	128	70	0.4	28	6.4	343	21	139
23	43	195	435	344	141	28	0.5	31	3.9	339	20	131
24	52	192	427	341	152	24	0.5	17	3.5	1390	21	156
25	63	194	420	316	182	13	0.5	31	3.4	3050	22	192
26	113	193	413	303	212	7.3	0.2	32	3.6	1800	24	201
27	123	187	364	303	171	3.7	0.2	45	3.2	225	20	190
28	134	178	348	312	74	2.5	0.4	30	2.9	234	19	255
29	147	173	341	316	44	2.7	0.7	449	2.6	405	19	250
30	153		337	321	33	2.5	0.7	719	2.6	64	19	153
31	160		325		28		0.5	743		115		109
<b>Total</b>	2764	4548	8651	9635	3729	443.5	181.9	3467.2	749.5	11417.4	4285	6297
<b>Ac-ft</b>	5482	9021	17159	19111	7396	880	361	6877	1487	22646	8499	12490

**Total for year: 111,409 acre-feet**

Drainage area.—18,011 sq. mi. of which 5,125 sq. mi. is below Coolidge Dam

# 2000

## OPERATION OF SAN CARLOS RESERVOIR

Quantities in acre-feet

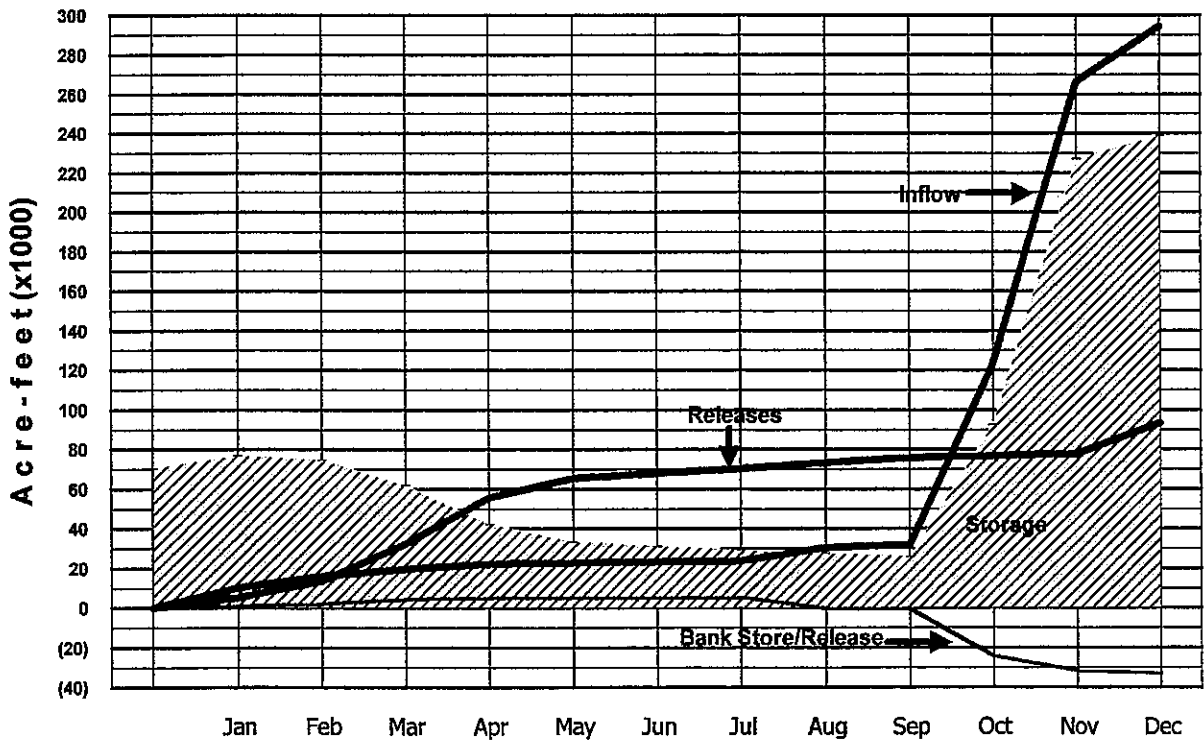
2000 Month	Storage		Gain or Loss	Inflow				Releases			Bank	
	Beginning Storage	Ending Storage		Calva	Peridot	Rain	Total	Gila River below Coolidge Dam	Reservoir Evapor- ation	Total	Storage	Release
January	70760	77020	6260	9578	661	127	10366	4451	735	5186		-1080
February	77020	75060	-1960	4830	517	235	5582	7557	1019	8576		-1034
March	75060	62290	-12770	2870	545	281	3696	17074	1556	18630		-2164
April	62290	42290	-20000	2180	380	12	2572	21251	2050	23301		-729
May	42290	33480	-8810	497	126		623	7436	2405	9841		-408
June	33480	31470	-2010	127	356	174	657	207	2216	2423	244	
July	31470	29480	-1990	310	19	58	387	284	2267	2551		-174
August	29480	27840	-1640	2604	3442	597	6643	1146	1648	2794	5489	
September	27840	26140	-1700	885	368	105	1358	1115	1443	2558	500	
October	26140	92660	66520	85963	3754	1285	91002	52	787	839	23643	
November	92660	227400	134740	137163	5353	886	143402	253	996	1249	7413	
December	227400	239000	11600	27085	1232	76	28393	14464	998	15462	1331	
<b>Totals</b>			168240	274092	16753	3836	294681	75290	18120	93410	38620	-5589

# 2000

## MASS DIAGRAM OF OPERATION OF SAN CARLOS RESERVOIR

In Acre-feet

Month	Storage		Inflow		Releases		Accumulated Bank		Monthly Bank Result
	Contents End of Month	Contents Gain or Loss	Including Rain	Including Evaporation	Storage	Release	Net Result		
Begin	70,760								
JAN	77,020	6260	10,366	5,186		1080	1080	-1080	
FEB	75,060	-1960	15,948	13,762		2114	2114	-1034	
MAR	62,290	-12770	19,644	32,392		4278	4278	-2164	
APR	42,290	-20000	22,216	55,693		5007	5007	-729	
MAY	33,480	-8810	22,839	65,534		5415	5415	-408	
JUN	31,470	-2010	23,496	67,957	-244		5171	244	
JUL	29,480	-1990	23,883	70,508		5589	5345	-174	
AUG	27,840	-1640	30,526	73,302	-5733		-144	5489	
SEP	26,140	-1700	31,884	75,860	-8233		-644	500	
OCT	92,660	66520	122,886	76,699	29876		-24287	23643	
NOV	227,400	134740	266,288	77,948	37289		-31700	7413	
DEC	239,000	11600	294,681	93,410	38620		-33031	1331	
Graph:	STORAGE		INFLOW	RELEASES	BANK STOR/REL				



# 2000

## WATER SURFACE ELEVATIONS, SAN CARLOS RESERVOIR

Elevation in feet

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2428.23	2429.80	2429.25	2425.68	2419.77	2416.80	2416.04	2415.25	2414.55	2413.90	2434.88	2455.93
2	2428.27	2429.80	2429.24	2425.49	2419.67	2416.79	2416.00	2415.23	2414.52	2413.88	2435.81	2456.01
3	2428.31	2429.80	2429.22	2425.33	2419.52	2416.76	2415.97	2415.21	2414.48	2413.87	2436.46	2456.07
4	2428.34	2429.82	2429.14	2425.15	2419.41	2416.74	2415.95	2415.18	2414.44	2413.85	2437.02	2456.17
5	2428.38	2429.83	2429.14	2424.99	2419.27	2416.68	2415.93	2415.16	2414.38	2413.85	2437.50	2456.27
6	2428.45	2429.85	2429.15	2424.81	2419.14	2416.70	2415.89	2415.10	2414.34	2413.81	2439.06	2456.37
7	2428.46	2429.86	2429.18	2424.65	2419.02	2416.69	2415.82	2415.10	2414.34	2413.86	2441.15	2456.45
8	2428.51	2429.86	2429.19	2424.46	2418.92	2416.63	2415.82	2415.17	2414.31	2413.74	2443.29	2456.54
9	2428.59	2429.86	2429.24	2424.30	2418.84	2416.62	2415.82	2415.17	2414.27	2413.74	2445.67	2456.55
10	2428.63	2429.84	2429.26	2424.11	2418.72	2416.62	2415.80	2415.11	2414.23	2413.92	2447.16	2456.61
11	2428.66	2429.82	2429.20	2423.91	2418.67	2416.58	2415.80	2415.03	2414.22	2413.99	2448.23	2456.66
12	2428.74	2429.80	2429.14	2423.73	2418.63	2416.56	2415.75	2414.98	2414.22	2414.05	2449.08	2456.71
13	2428.83	2429.80	2429.04	2423.55	2418.56	2416.53	2415.75	2414.95	2414.20	2414.18	2449.93	2456.73
14	2428.88	2429.78	2428.96	2423.34	2418.50	2416.51	2415.74	2414.92	2414.18	2415.51	2450.75	2456.74
15	2429.00	2429.78	2428.80	2423.17	2418.41	2416.46	2415.68	2414.91	2414.15	2417.23	2451.39	2456.80
16	2429.09	2429.76	2428.62	2422.97	2418.37	2416.42	2415.66	2414.89	2414.11	2417.96	2451.94	2456.82
17	2429.20	2429.70	2428.37	2422.78	2418.23	2416.40	2415.62	2414.90	2414.10	2418.36	2452.44	2456.86
18	2429.28	2429.67	2428.16	2422.52	2418.13	2416.37	2415.60	2414.93	2414.05	2418.62	2452.84	2456.87
19	2429.36	2429.61	2427.99	2422.28	2418.03	2416.39	2415.59	2414.84	2414.05	2418.75	2453.21	2456.87
20	2429.46	2429.57	2427.78	2422.06	2417.92	2416.27	2415.55	2414.79	2414.03	2418.89	2453.56	2456.95
21	2429.53	2429.63	2427.63	2421.82	2417.79	2416.22	2415.46	2414.78	2414.02	2419.01	2453.84	2457.00
22	2429.60	2429.56	2427.42	2421.62	2417.65	2416.14	2415.45	2414.74	2413.97	2419.16	2454.11	2457.06
23	2429.69	2429.53	2427.28	2421.43	2417.47	2416.13	2415.44	2414.72	2413.92	2419.29	2454.36	2457.11
24	2429.75	2429.50	2427.06	2421.24	2417.28	2416.12	2415.43	2414.71	2413.91	2419.48	2454.58	2457.15
25	2429.79	2429.44	2426.86	2421.04	2417.06	2416.10	2415.42	2414.71	2413.90	2421.63	2454.80	2457.19
26	2429.80	2429.42	2426.67	2420.82	2416.94	2416.09	2415.41	2414.68	2413.90	2425.03	2455.01	2457.20
27	2429.82	2429.37	2426.47	2420.61	2416.94	2416.09	2415.40	2414.60	2413.89	2426.72	2455.23	2457.22
28	2429.84	2429.31	2426.37	2420.34	2416.92	2416.12	2415.34	2414.58	2413.88	2427.83	2455.40	2457.22
29	2429.84	2429.31	2426.23	2420.13	2416.88	2416.09	2415.31	2414.59	2413.88	2428.77	2455.56	2457.26
30	2429.84		2426.06	2419.91	2416.86	2416.07	2415.29	2414.60	2413.88	2430.95	2455.85	2457.35
31	2429.81		2425.90		2416.84		2415.28	2414.60		2433.51		2457.37

# 2000

## WATER SURFACE AREAS, SAN CARLOS RESERVOIR

Area in acres

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	3799	3938	3891	3588	3065	2665	2564	2459	2388	2331	4641	7506
2	3802	3937	3889	3571	3049	2662	2559	2455	2385	2331	4829	7519
3	3805	3937	3887	3556	3033	2659	2555	2453	2382	2330	4958	7530
4	3809	3938	3883	3541	3016	2655	2550	2450	2378	2329	5056	7543
5	3811	3939	3880	3526	2998	2649	2548	2446	2374	2328	5142	7559
6	3817	3940	3881	3511	2981	2647	2543	2440	2370	2326	5309	7575
7	3820	3942	3882	3497	2964	2648	2537	2436	2368	2327	5601	7590
8	3823	3942	3884	3482	2949	2643	2532	2442	2367	2324	5808	7604
9	3828	3942	3887	3466	2937	2639	2532	2446	2364	2319	6029	7612
10	3833	3941	3889	3452	2924	2638	2530	2442	2361	2326	6219	7616
11	3837	3939	3887	3434	2914	2635	2529	2432	2359	2337	6345	7625
12	3841	3938	3882	3418	2907	2631	2526	2424	2359	2342	6439	7633
13	3849	3937	3875	3402	2900	2629	2523	2421	2358	2350	6522	7638
14	3855	3936	3867	3386	2891	2625	2523	2418	2356	2411	6624	7641
15	3862	3935	3857	3369	2882	2621	2517	2417	2354	2605	6740	7646
16	3872	3934	3842	3352	2873	2614	2512	2415	2351	2768	6835	7653
17	3881	3931	3824	3336	2861	2610	2508	2415	2349	2842	6918	7657
18	3888	3927	3804	3316	2844	2608	2504	2417	2346	2886	6989	7662
19	3895	3923	3787	3294	2831	2606	2503	2414	2344	2913	7052	7662
20	3903	3918	3771	3274	2818	2599	2499	2408	2343	2930	7109	7669
21	3911	3919	3755	3255	2802	2589	2490	2405	2342	2947	7158	7680
22	3917	3919	3740	3236	2784	2579	2484	2403	2340	2966	7203	7688
23	3924	3915	3724	3219	2763	2574	2483	2400	2336	2984	7244	7697
24	3930	3913	3708	3203	2738	2573	2481	2400	2334	3005	7281	7704
25	3934	3908	3690	3185	2711	2570	2480	2399	2333	3134	7315	7710
26	3937	3905	3674	3167	2688	2569	2479	2398	2332	3375	7351	7715
27	3938	3902	3656	3149	2680	2568	2477	2393	2332	3596	7384	7717
28	3939	3897	3644	3127	2679	2570	2472	2389	2331	3718	7416	7718
29	3940	3894	3633	3107	2675	2570	2467	2389	2330	3806	7442	7721
30	3940		3620	3088	2671	2566	2463	2390	2330	3942	7478	7733
31	3939		3605		2669		2462	2390		4319		7741

# 2000

## AVAILABLE STORED WATER, SAN CARLOS RESERVOIR

Storage in acre-feet

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	70910	76980	74830	61500	41860	33370	31390	29410	27720	26180	99010	228000
2	71060	76980	74790	60820	41560	33350	31290	29360	27640	26140	103500	228600
3	71210	76980	74710	60250	41100	33270	31210	29310	27550	26110	106700	229100
4	71330	77060	74400	59610	40770	33210	31160	29240	27450	26070	109600	229900
5	71480	77100	74400	59050	40350	33060	31110	29190	27310	26070	112000	230600
6	71750	77200	74440	58420	39960	33110	31010	29040	27220	25970	120300	231400
7	71780	77220	74560	57860	39610	33080	30830	29040	27220	26090	132000	232000
8	71980	77220	74600	57200	39320	32920	30830	29210	27150	25810	144400	232700
9	72280	77220	74790	56640	39080	32900	30830	29210	27050	25810	158800	232700
10	72430	77140	74870	55990	38730	32900	30780	29060	26950	26230	168000	233200
11	72550	77060	74640	55300	38580	32790	30780	28870	26930	26390	174800	233600
12	72860	76980	74400	54680	38470	32740	30650	28750	26930	26530	180300	234000
13	73200	76980	74010	54070	38260	32660	30650	28680	26890	26840	185800	234100
14	73400	76900	73700	53360	38090	32610	30630	28600	26840	30050	191300	234200
15	73860	76900	73090	52790	37830	32480	30480	28580	26770	34530	195600	234600
16	74210	76820	72400	52120	37720	32370	30430	28530	26670	36550	199300	234800
17	74640	76590	71440	51480	37320	32320	30320	28560	26650	37690	202800	235100
18	74940	76470	70840	50820	37030	32240	30280	28630	26530	38440	205600	235200
19	75260	76230	70000	49830	36750	32290	30250	28410	26530	38820	208200	235200
20	75650	76080	69210	49110	36440	31980	30150	28290	26490	39230	210700	235800
21	75920	76310	68640	48330	36070	31850	29930	28270	26460	39580	212700	236200
22	76200	76040	67860	47680	35680	31650	29900	28170	26350	40020	214600	236600
23	76550	75920	67340	47070	35190	31620	29880	28120	26230	40410	216400	237000
24	76780	75800	66520	46460	34670	31600	29850	28100	26200	40980	218000	237300
25	76940	75570	65780	45830	34070	31540	29830	28100	26180	47720	219700	237600
26	76980	75490	65080	45130	33750	31520	29800	28000	26180	59190	221200	237700
27	77060	75300	64350	44470	33750	31520	29780	27840	26160	65270	222800	237900
28	77140	75060	63990	43620	33690	31600	29630	27790	26140	69390	224100	237900
29	77140	75060	63480	42970	33590	31520	29560	27810	26140	72970	225300	238200
30	77140		62860	42290	33530	31470	29510	27840	26140	81600	227400	238900
31	77020		62290		33480		29480	27840		92660		239000

# 2000

## DAILY EVAPORATION, SAN CARLOS RESERVOIR

Acre-feet

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12	23	13	49	68	91	75	59	31	35	36	26
2	10	34	57	24	77	80	21	74	40	40	30	35
3	12	28	41	51	76	81	71	71	41	48	20	53
4	19	27	48	68	90	76	82	76	53	43	16	36
5	17	35	66	58	76	132	73	61	52	39	19	32
6	19	30	54	77	81	76	76	40	54	33	30	28
7	35	31	54	76	82	49	91	53	55	42		32
8	16	42	54	80	88	101	62	56	47	47	25	31
9	20	31	31	65	78	69	57	57	55	22	22	79
10	22	39	43	79	76	81	67	59	53	13	28	22
11	22	46	44	79	91	71	72	48	55	29	29	12
12	5	39	43	67	84	75	65	30	51	2	34	5
13	49	41	45	56	60	79	77	46	50	15	32	28
14	24	36	50	73	58	86	41	61	46	20	32	24
15	15	46	58	83	70	93	48	58	51	17	31	20
16	32	45	65	65	87	102	80	63	55	26	57	41
17	21	48	56	63	73	97	106	62	47	25	31	79
18	18	41	66	83	67	56	88	71	57	25	38	45
19	26	25	68	59	62	70	69	43	45	32	62	7
20	21	27	51	66	63	41	77	56	52	13	17	30
21	26	38	51	55	64	40	95	69	40	22	42	41
22	16	37	26	60	76	67	81	63	50	18	40	33
23	17	34	47	60	87	49	65	58	53	6	53	26
24	19	21	52	67	83	68	57	47	57	18	55	30
25	44	14	49	71	61	67	95	48	48	18	44	22
26	38	30	60	70	113	74	86	40	48	19	47	29
27	24	31	69	82	83	88	84	26	35	39	32	41
28	35	55	57	82	73	64	75	65	43	10	32	23
29	34	45	31	97	84	33	103	27	43	7	26	26
30	22		52	85	87	60	71	35	36	22	36	19
31	45		55		87		57	26		42		43
<b>Total</b>	735	1019	1556	2050	2405	2216	2267	1648	1443	787	996	998

**Total for year: 18,120 acre-feet**

# 2000

## DAILY RAINFALL, SAN CARLOS RESERVOIR

Acre-feet

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				12								
2												
3	127											
4											88	
5			65								137	
6			39									
7			168					37			471	
8							6	110				
9								8		8		
10								8		31		
11										386	190	
12								30		125		
13												76
14												
15												
16												
17												
18								131				
19								6				
20						22				24		
21						32						
22		176					17		12	106		
23		59								169		
24							35					
25								26				
26								6				
27												
28			9			111				177		
29								88	58			
30								129	35			
31								18		259		
<b>Total</b>	127	235	281	12		165	58	597	105	1285	886	76

**Total for year: 3,827 acre-feet**



# 2000

## RAINFALL AT COOLIDGE DAM

Elevation approximately 2,550 feet

inches

2000 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				0.04								
2	T											
3	0.40											
4											0.21	
5			0.20								0.32	
6			0.12									
7			0.52									
8							0.03	0.18			1.01	
9								0.54				
10								0.04		0.04		
11										0.16		
12										1.98	0.36	
13								0.15		0.64		
14												0.12
15												
16												
17												
18								0.65				
19								0.03				
20						0.10				0.10		
21						0.15						
22		0.54					0.08		0.06	0.43		
23		0.18				0.04				0.68		
24							0.17					
25								0.13				
26								0.03				
27												
28			0.03			0.52				0.57		
29								0.44	0.30			
30								0.65	0.18			
31								0.09		0.72		
<b>Total</b>	<b>0.40</b>	<b>0.72</b>	<b>0.87</b>	<b>0.04</b>	<b>0.00</b>	<b>0.81</b>	<b>0.28</b>	<b>2.97</b>	<b>0.54</b>	<b>5.32</b>	<b>1.90</b>	<b>0.12</b>

Note: T-Trace

**Total for year: 13.97 inches**

# 1956 - 2000

## MONTHLY RAINFALL AT COOLIDGE DAM

Inches

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
1956	2.20	0.82		0.47		0.11	1.51	1.36		0.60		0.09	7.16
1957	3.90	0.60	1.16	0.30	0.74	0.42	1.65	1.64	0.07	4.28	1.01	0.66	16.43
1958		3.26	4.18	1.12	0.02	0.67	1.38	1.38	1.91	2.25	1.03	0.11	17.31
1959	0.42	1.25		0.19		0.31	2.98	3.20		3.76	0.67	3.42	16.20
1960	2.66	1.16	0.28	0.03	0.76		0.92	0.51	1.19	2.83	0.36	0.97	11.67
1961	1.21	0.08	0.83				1.14	2.79	0.81	1.07	1.13	3.04	12.10
1962	1.71	0.82	0.98			0.27	1.75	0.34	2.23	0.91	0.91	1.88	11.80
1963	1.87	3.02	0.70	0.48			0.27	4.27	0.56	0.77	1.09	0.19	13.22
1964	0.27		0.96	0.22			4.10	2.75	2.57	0.58	1.13	1.26	13.84
1965	2.34	2.18	1.12	1.13		0.53	1.35	1.67	0.71	0.15	3.25	8.53	22.96
1966	1.11	1.99	0.37	T		0.73	2.21	5.51	3.32	0.88	0.63	1.14	17.89
1967	0.43	0.21	1.31	0.51	0.66	0.14	4.68	1.74	1.01	0.81	1.05	6.44	18.99
1968	1.05	2.36	1.69	0.21	0.22	T	0.31	2.50	0.01	0.24	1.78	2.64	13.01
1969	1.66	0.68	0.81	0.06	0.93	T	0.65	2.41	1.45	0.58	2.49	0.84	12.56
1970	0.02	0.28	3.91	0.50	0.01	T	0.62	1.76	3.03	0.31	0.21	0.63	11.28
1971	0.29	0.88	0.17	0.32			1.85	3.05	1.15	4.24	0.68	2.41	15.04
1972	0.05				0.31	1.30	0.85	1.69	2.07	5.96	1.16	1.91	15.30
1973	0.44	2.54	3.71	0.03	1.42	0.62	1.73	0.24	0.03		0.93		11.69
1974	2.00	0.11	0.95	0.11			1.17	1.21	1.69	2.63	0.37	0.56	10.80
1975	0.70	1.42	2.48	1.24	T		2.65	0.72	2.68	0.06	1.44	0.91	14.30
1976	0.20	2.08	0.42	1.85	0.98		1.14	2.28	1.77	1.14	0.49	0.01	12.36
1977	1.79	0.08	1.22	0.14	0.13	0.11	1.94	1.80	0.83	2.89	0.31	0.75	11.99
1978	4.12	2.59	3.29	0.33	0.78	0.25	2.13	1.04	0.87	1.83	5.40	6.18	28.81
1979	4.59	1.76	2.15	0.61	0.96	1.50	0.57	1.88	0.13	0.29	0.39	1.16	15.99
1980	4.02	4.69	2.08	0.05	0.03		0.77	1.33	1.14	0.59	0.29	0.28	15.27
1981	1.39	0.96	3.09	0.33	0.33	0.02	2.50	0.37	0.45	0.27	1.56		11.27
1982	2.68	2.15	1.92	0.04	0.63		2.68	2.05	1.49		1.84	2.75	18.23
1983	2.36	1.93	4.68	0.36	0.04		0.69	4.26	3.46	5.42	1.97	2.19	27.36
1984	0.69			0.80		0.10	2.56	1.29	0.98	1.38	1.47	5.06	14.33
1985	2.52	1.39	1.22	0.94	T	0.03	0.49	2.65	2.90	0.66	2.97	0.26	16.03
1986	0.19	2.44	4.06	0.22	T	0.31	1.98	2.59	1.29	1.64	1.24	2.89	18.85
1987	1.55	2.21	1.03	0.21	0.30	T	0.69	1.93	1.48	0.56	1.45	1.96	13.37
1988	1.21	0.76		2.60		0.36	2.93	5.16	0.81	0.81	1.00	0.50	16.14
1989	2.36	0.20	1.03		0.10		2.15	3.14	0.05	1.60	T	0.55	11.18
1990	0.80	1.54	0.91	0.56	0.10	0.14	2.26	4.66	1.21	0.87	0.84	4.77	18.66
1991	1.28	1.00	5.03			0.15	0.36	0.98	2.10	0.45	1.45	2.76	15.56
1992	2.24	3.26	2.69	0.27	2.67	0.30	1.64	4.06	1.45	0.98	0.10	6.17	25.83
1993	10.57	3.90	1.50		2.11		0.52	2.51	0.75	1.49	1.74	0.85	25.94
1994	0.12	3.17	1.79	0.48	0.74	0.03	0.63	1.82	2.55	1.55	2.39	2.10	17.37
1995	4.22	1.88	1.94	0.69	0.49			2.52	1.25		0.88	0.74	14.61
1996	0.04	2.82	0.78	0.16		0.74	2.35	1.37	2.98	0.31	1.02		12.57
1997	3.21	2.38	0.35	0.25	0.39	0.12	0.42	1.56	1.54	1.25	1.24	3.25	15.96
1998	0.71	4.73	2.05	0.46		0.13	1.62	2.75	0.31	1.66	1.48	0.63	16.53
1999	0.16	0.13	0.27	2.27	0	0	3.82	2.07	1.06	0	0	0	9.78
2000	0.40	0.72	0.87	0.04	0.00	0.81	0.28	2.97	0.54	5.32	1.90	0.12	13.97

Note: T-Trace

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