

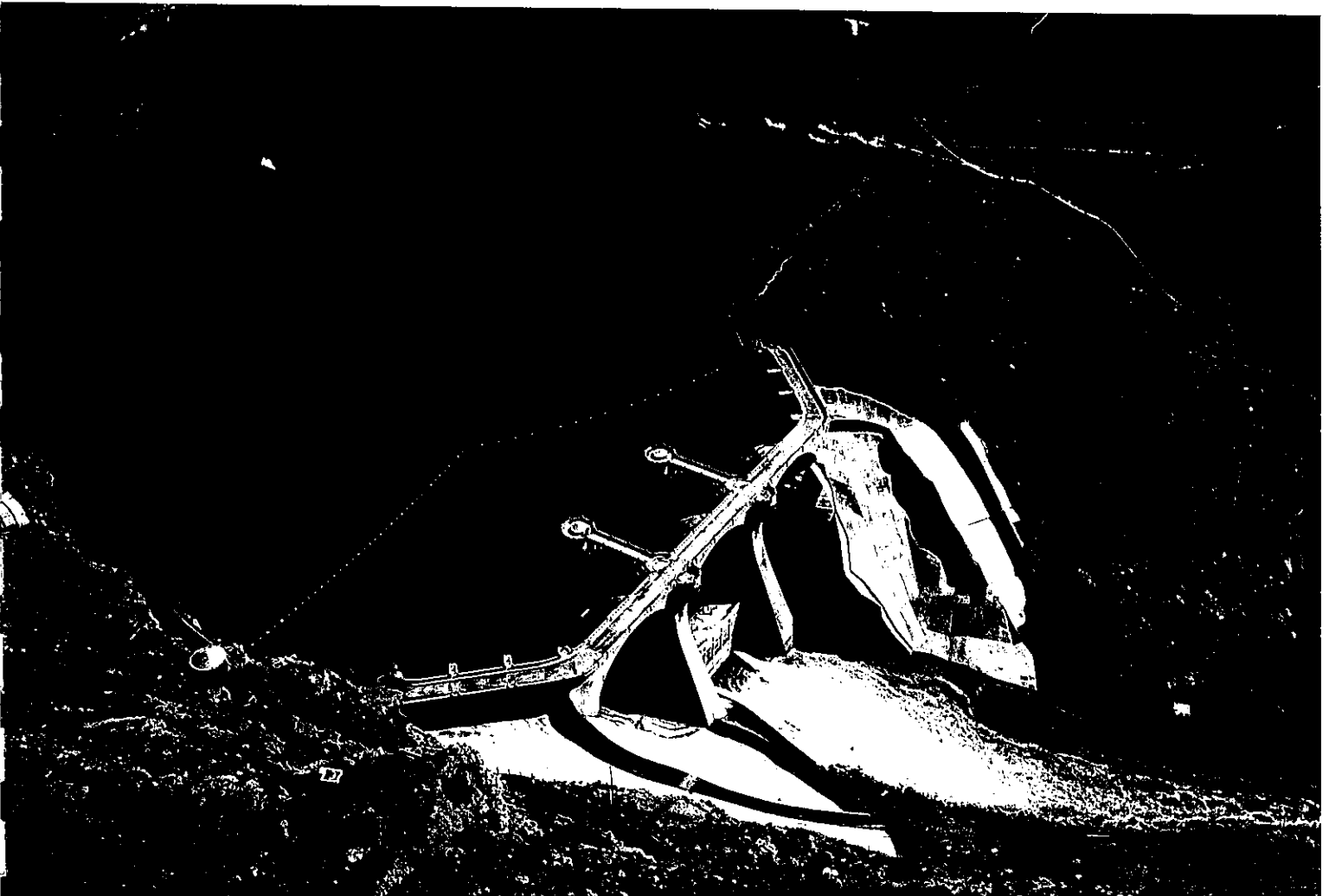
Sixty Sixth - Annual Report

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

2001



SIXTY-SIXTH ANNUAL REPORT

2001

DISTRIBUTION OF WATERS OF THE GILA RIVER

by the

GILA WATER COMMISSIONER

D.L. WEESNER

to the

UNITED STATES DISTRICT COURT

Phoenix, Arizona
April 26, 2002

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-Sixth 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 2001.

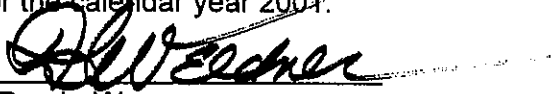
Very Truly yours,



Don L. Weesner
Gila Water Commissioner

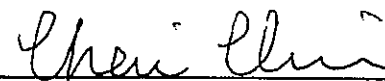
State of Arizona)
) ss:
County of Gila)

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 2001, 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 2001:



Don L. Weesner
Gila Water Commissioner

Subscribed and sworn to before me this 9 day of April, 2002.



Notary Public

My commission expires:

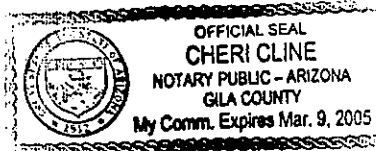


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PERSONNEL

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
Maria Moore (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.gilawater.org>

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, 2001, the stored water in the San Carlos Reservoir amounted to 239,000 acre-feet of the 877,697 acre-feet total capacity. December 31, 2001, there was 67,448 acre-feet available stored water, at 7.7 percent of total capacity.

There was apportioned to the **Upper Valleys** for the year 2001, a total of 6.00 acre-feet of water for each acre then being irrigated.

The **San Carlos Irrigation Project** apportioned a total of 1.35 acre-feet of pumped and stored water for each acre. The gravity diversions of both natural flow and stored water are shown on Plate 27.

The total water diverted from the Gila River under the Decree for the year amounted to 391,646 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 25.

Determination of when priority water was available is shown on plate 28.

WATER SUPPLY

The flow of the Gila River, as recorded at **Gila River at Head of Safford Valley Near Solomon**, was **182,422 acre-feet**. Inflow into the San Carlos Reservoir from the Gila River and the San Carlos River totaled **108,704 acre-feet**.

For the year 2001, there was a total of **1,329 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 Cospers Crossing between June 4th and July 30, 2001. July 31, 2001, Wilbur Lunt reported that there was flow at Cospers Crossing, however the flow was from heavy storming in the vicinity of the crossing and only lasted through the day. July 31, 2001, Cospers Crossing was again reported to be dry. Again heavy rains on July 31, caused the river to flow at Cospers Crossing and continued to flow for the remainder of the year. During the dry periods at Cospers Crossing, the total flow of the Gila River above the crossing was issued to the to the Virden - Duncan Valley water users.

Date	Vicinity Status	Verification
01/01/01	FLOW	REPORTED
06/04/01	DRY	REPORTED
07/01/01	DRY	REPORTED
07/30/01	FLOW	REPORTED
07/31/01	DRY	REPORTED
08/01/01	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:

2001	Gila River below Blue Creek (good)*	San Francisco River at Clifton (good)*	Total	Gila at Calva (poor)*	Consumptive use	Accumulated Consumptive use
Jan.	8,329	7,208	15,537	17,852	-2,315	-2,315
Feb.	7,839	7,444	15,283	11,691	3,592	1,277
Mar.	18,008	19,161	37,169	19,777	17,392	18,669
Apr.	15,065	24,629	39,694	28,098	11,596	30,265
May	8,150	8,293	16,443	9,981	6,462	36,727
Jun.	1,404	2,985	4,389	1,744	2,645	39,372
Jul.	2,938	3,622	6,560	606	5,954	45,326
Aug.	12,030	4,605	19,635	2,753	16,882	62,208
Sept.	6,050	3,711	9,761	462	9,299	71,507
Oct.	3,915	2,783	6,698	610	6,088	77,595
Nov.	4,858	3,374	8,232	1,676	6,556	84,151
Dec.	5,659	4,056	9,715	5,137	4,578	88,729
Totals	94,245	94,871	189,116	100,387	88,729	88,729

2001

**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.

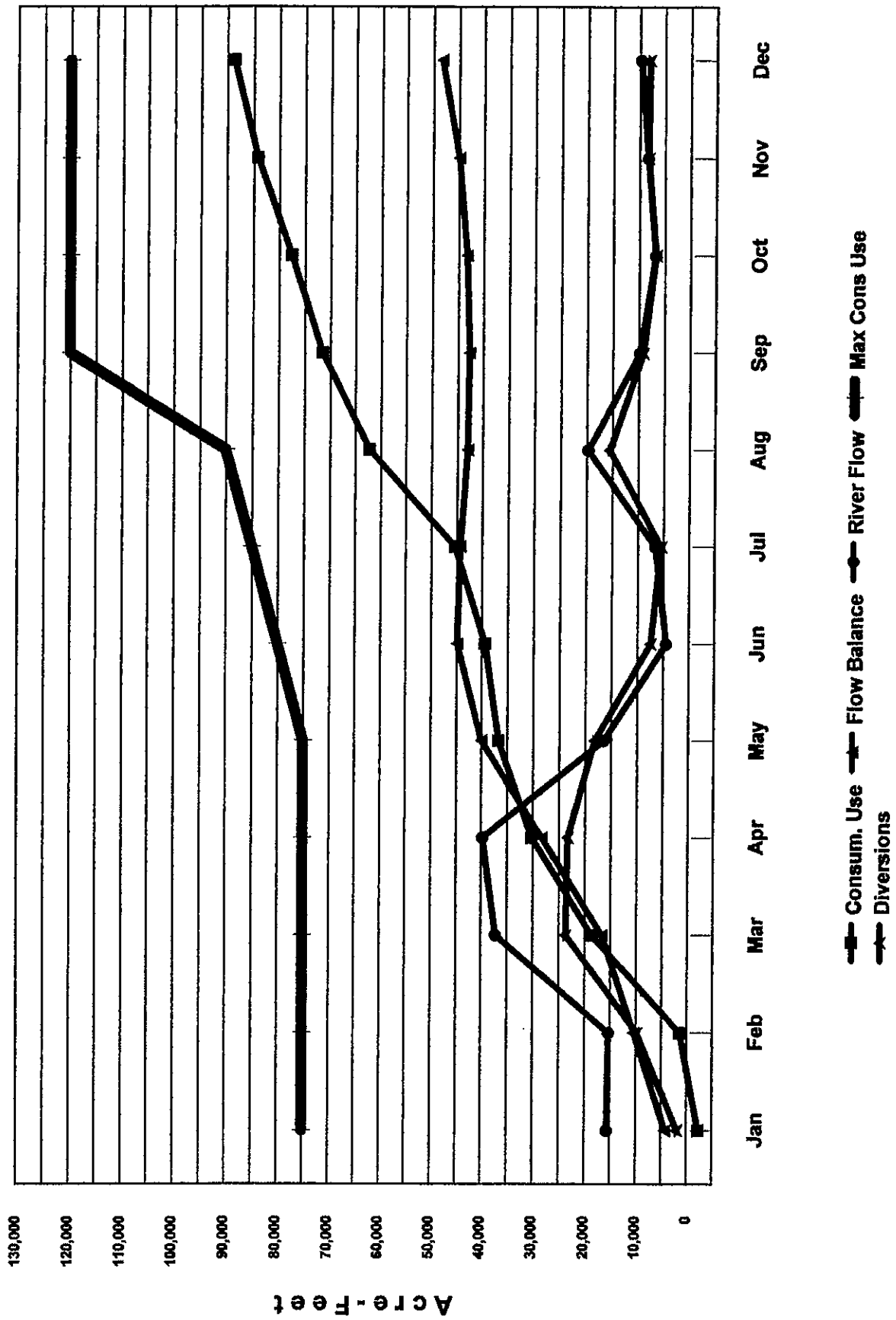
Input data rounded to USGS standards - IN ACRE-FEET

2001 MONTH	CONSUMPTIVE USE		UPPER VALLEYS AND SAN CARLOS APACHE TRIBE		HEAD OF SAFFORD VALLEY		FLOW BALANCE					TOTAL INFLOW G + SF	MAXIMUM CONSUMPTIVE USE RECOMMENDED
	RESULT	ACCUM. RESULT	DIV'S	ACCUM. DIV'S	GILA RIVER FLOW	GILA R. ACCUM. FLOW	FLOW BALANCE	GILA CALVA	GILA VIRDEN	SAN FRANCISCO CLIFTON	DIV'S		
JAN	(2,320)	(2,320)	1,840	1,840	15,390	15,390	4,150	17,850	8,330	7,210	1,840	4,150	75,000
FEB	3,590	1,280	9,780	11,620	18,150	33,540	6,190	11,690	7,840	7,440	9,780	10,340	75,000
MAR	17,390	18,870	23,640	35,260	35,890	69,420	6,250	19,780	18,010	19,160	23,640	16,590	75,000
APR	11,600	30,270	23,320	58,580	40,870	110,090	11,730	28,100	15,060	24,630	23,320	28,320	75,000
MAY	6,460	36,730	18,170	76,750	13,880	123,780	11,710	9,980	8,150	8,280	18,170	40,030	75,000
JUN	2,650	39,370	7,450	84,200	5,080	128,860	4,800	1,740	1,400	2,990	7,450	44,830	80,000
JUL	5,950	45,330	5,440	89,640	6,380	135,240	(510)	610	2,940	3,620	5,440	44,320	85,000
AUG	16,880	62,210	15,480	105,130	16,470	151,720	(1,400)	2,750	12,030	7,800	15,480	42,920	90,000
SEP	9,300	71,510	9,090	114,210	9,770	160,490	(210)	460	6,050	3,710	9,090	42,710	120,000
OCT	6,090	77,600	6,650	120,860	5,550	166,040	560	610	3,920	2,780	6,650	43,270	120,000
NOV	6,560	84,150	6,190	129,050	7,050	173,090	1,640	1,680	4,860	3,370	8,190	44,910	120,000
DEC	4,580	88,730	7,950	137,000	9,330	182,420	3,370	5,140	5,660	4,060	7,950	48,280	120,000
TOTALS	88,730		137,000		182,420		48,280	100,390	94,250	94,870	137,000	189,120	

Graph

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

2001 Consumptive Use Accum vs. Diversions vs. River Flow



2001

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	8329	7839	18008	15085	8160	1404	2938	12030	6050	3915	4858	5859	94245
Duncan Valley Diversions	397	1032	2698	3512	3692	1045	1885	2119	1397	925	1342	1931	21986
Gila River near Clifton	8325	5847	13202	11945	5458	2025	1809	8202	4384	2148	3221	4877	89253
San Fran. River @ Clifton	7208	7444	19181	24829	8293	2985	3622	7605	3711	2783	3374	4056	94871
Gila Solomon	15386	18147	35889	40672	13882	5082	6383	18475	8771	5552	7031	9332	182422
Safford Valley Diversions	1458	8622	208274	19669	14458	8324	3485	13344	7595	5654	6848	8021	114281
San Carlos Agency Divs.	0	121	122	136	28	75	93	21	97	67	0	0	758
Gila Calva	17862	11891	19777	28098	9981	1744	806	2753	462	610	1676	5167	100387
San Carlos R. @ Peridot	1331	2535	2478	505	180	0	29	99	0	8	421	760	8317
Stored Water	256851	263868	260674	261329	232582	189995	143821	112858	93794	79727	75255	67448	
Gila Below Coolidge Dam	2505	6561	24983	27900	33529	37147	43413	29753	15898	12554	48	16890	249061
Winkelman Divs. (Indust)	886	897	1050	1050	1171	1258	1271	1226	1189	1228	1139	1026	13393
Winkelman Divs. (Ag.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Gila River @ Kelvin	1488	11425	26474	31258	32184	35828	46363	30645	14138	12667	688	14575	255931
A-H Diversions	5472	8956	23457	29126	29962	33221	43280	28501	14305	11330	0	13658	241426
A-H Spilled	0	0	0	0	0	0	0	0	0	522	807	0	1329
A-H Sluiced	0	0	0	0	0	0	0	0	0	0	0	0	0
A-H Total	5472	8956	23457	29126	29962	33221	43280	28501	14305	11852	807	13658	242577
Loss Kelvin to A-H	-3984	2489	2017	2130	2222	2607	2103	2344	-170	815	-119	817	13354
Sacaton Diversions	0	0	0	0	0	0	0	0	0	0	0	0	0

SUMMARY OF THE GILA RIVER SYSTEM

Quantities in Acre-feet

NATURAL FLOW FROM THE GILA RIVER AND TRIBUTARIES

	<u>2001</u>
Gila River Below Blue Creek	94,245
San Francisco River at Clifton	94,871
San Carlos River near Peridot	8,317
Gain from Gila Below Coolidge Dam to Gila at Kelvin	6,870

INFLOWS, SAN CARLOS RESERVOIR

Gila River at Calva plus San Carlos River near Peridot	108,704
--	---------

GILA RIVER BELOW COOLIDGE DAM

249,061

CONTENTS IN STORAGE, SAN CARLOS RESERVOIR

Available contents January 1, 2001	239,000
Available contents December 31, 2001	67,448

WATER DIVERTED FROM THE GILA RIVER

Duncan-Virden Valley canal diversions	21,966
Safford Valley canal diversions	114,281
San Carlos Apache Tribe	758
Winkelman Valley Agricultural diversions	0
Winkelman Valley industrial and municipal pumps	
ASARCO Incorporated	13,020
Town of Kearny	373
San Carlos Project	
Natural flow Ashurst-Hayden Dam	85,727
Stored water Ashurst-Hayden Dam	155,521
Natural flow Sacaton Dam	0
TOTAL DIVERSIONS	391,646

SPILLED AND SLUICED ASHURST-HAYDEN DAM

1,329

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SAN CARLOS RESERVOIR

The available stored water in the **San Carlos Reservoir** on January 1, 2001, was 239,000 acre-feet. The maximum storage for the year was on March 16, with 269,141 acre-feet (Plate 47).

In previous years, small flows recorded at **Gila River below Coolidge Dam** (Plate 39), when no water was being released were disregarded and are not shown on Determination of Priority (Plate 28), Natural Flow Releases (Plate 40), Stored Water Releases (Plate 41). However, the small flows were reported August through December, 2001. 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 36,791 acre-feet (Plate 48). Computed rainfall on the lake was 7,182 acre-feet (Plate 49). There was a bank storage of 1,586 acre-feet for the year (Plate 43).

APPORTIONMENTS MADE DURING 2001

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	Re-Allocation	Accumulated apportionment
1	1/1/01	32,449.90	5.52		5.52
1 st Re-Allocation	5/9/01	33,484.80		-0.17	5.35
2	2/1/01	32,709.99	0.48		5.83
2 nd Re-Allocation	5/9/01	33,484.80		0.03	5.86
3	5/9/01	33,484.80	0.14	6.00	6.00
Total Apportionment	12/1/01				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	2/13/01	100,546.00	1.28	1.28	40,847.15	3.151
2	6/23/01	100,546.00	0.07	1.35	49,445.11	2.745
TOTALS	12/1/01			1.35	49445.11	2.745

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 the Commissioner's office:

Date	Acre-feet
January 1, 2001	24,573
January 31, 2001	24,300
February 28, 2001	24,033
March 31, 2001	23,639
April 30, 2001	23,146
May 31, 2001	22,458
June 30, 2001	21,668
July 31, 2001	20,904
August 31, 2001	20,157
September 30, 2001	19,431
October 31, 2001	18,944
November 30, 2001	18,756
December 31, 2001	18,492

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.

2001	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	360	272	632	1,218	586
February	323	38	361	711	350
March	328	171	499	1,021	522
April	601	450	1,051	1,050	
May	562	533	1,095	1,174	79
June	413	1,006	1,419	1,339	
July	250	910	1,160	1,043	
August	253	516	769	759	
September	250	532	782	731	
October	275	560	835	745	
November	339	434	773	737	
December	363	234	597	797	200
TOTALS	4,317	5,656	9,973	11,325	1,737
Bypass					0
TOTAL					

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 **1,352 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
EC @ Reservation Boundary	=	0.48% lower than Geronimo
Geronimo Station flow average	=	288.9 cfs
Reservation Boundary flow average	=	284.3 cfs
Flow @ Reservation	=	1.59% less than Geronimo

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 2001

The Seasonal Average Salinity on October 31, 2001 was 2,970 uS/cm. Daily data in support of the above figures can be found published in the Water Commissioner's 2001 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 2001 have been supplied to the Water Commissioner and summarized on **Plate 5** of the 2001 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 throughout the year of 2001. 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 HC 2 Box 95-F
4 Payson, AZ 85441
5 Telephone (928) 478-4039

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.)

Case No.: GLOBE EQUITY NO. 59 (JCC)

**REPORT OF GILA WATER
COMMISSIONER OF ACTIONS TAKEN
TO RESOLVE VIOLATIONS OF
"THEN BEING IRRIGATED" (TBI)
REGULATIONS IN CALENDAR YEAR
2001**

(Assigned to the Honorable
John C. Coughenour)

21 The Court in its Final Memorandum and Order dated September 18, 1992 and Phase
22 IV Memorandum and Order dated April 14, 1995, ordered that TBI regulations be adopted.
23 The TBI regulations were approved and adopted by the Court by order dated June 3, 1996.
24 These Regulations require the Gila Water Commissioner to conduct periodic audits of lands
25 under the Gila Decree to determine if any violations of the Regulations have occurred. The
26 Commissioner is authorized by the regulations to informally resolve violations as outlined in
27 Section 4.2 of the Regulations.

28 A written summation of the action taken by the Commissioner to resolve such violations

1 and the penalty consented to is to be filed with the Court within sixty (60) days thereof and
2 shall be included in the monthly report next published by the Commissioner after such sixty
3 (60) days has elapsed and in the annual report filed with the Court. A copy of the cease and
4 desist orders and consents thereto shall be kept in the records of the Commissioner for three
5 (3) years from the date of filing with the Court.

6 Pursuant to the Commissioner's audit of lands under the Gila Decree, violations of the
7 TBI regulations in calendar year 2001 were determined and resolved as follows:

8 **SEE ATTACHMENT "A" FOR SUMMATION OF VIOLATIONS AND RESOLUTIONS**
9 **THEREOF.** (Note: One violation with the San Carlos Apache Tribe is still in the process of
10 informal resolution.)

11
12 Respectfully submitted this 8th day of May, 2002.

13
14 

15 Donald L. Weesner
16 Gila Water Commissioner

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ORIGINAL and one copy of the
foregoing mailed this 8th day
of MAY, 2002, to:

William M. McCool
Chief Deputy Clerk
United States District Court
405 W. Congress
Tucson, Arizona 85701

TWO COPIES of the foregoing
mailed via First Class Mail

this 8th day of MAY, 2002 to:

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

COPIES of the foregoing mailed

this 8th day of MAY, 2002,

to:

Jon Allred
Assistant Gila Water Commissioner
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Environment & Natural Resources Div.
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P. O. Box 44378
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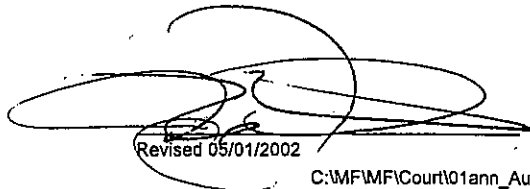
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Revised 05/01/2002

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ATTACHMENT "A"

According to the Commissioner's 2001 audits the following is a summary of finding and penalties Imposed according to the Regulations for Reporting and Auditing Lands "Then Being Irrigated":

Sunset Canal Company

1. **Mr. Stanley Thygerson** **CEASE & DESIST RECEIVED & SIGNED**

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
NA	T18S, R21W, Sec 33, SE1/4 SE1/4	20.00	8.00	12.00

Payback and penalties for this violation are as follows:
 Sunset Canal Duty for 2001 = 4.87 ac-ft/ac.
 Payback: Duty x Acres in Violation = 4.87 x 12.00 = 58.44 ac-ft.
 Penalty: 50% of Payback = 29.22 ac-ft
 Total Payback: 58.44 + 29.22 = 87.66 ac-ft.

2. **Mr. Ricardo Gonzalez** **CEASE & DESIST RECEIVED & SIGNED**

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
NA	T18S, R21W, Sec 33, SE1/4 SE1/4	12.00	0.00	12.00

Payback and penalties for this violation are as follows:
 Sunset Canal Duty for 2001 = 4.87 ac-ft/ac.
 Payback: Duty x Acres in Violation = 4.87 x 12.00 = 58.44 ac-ft.
 Penalty: 50% of Payback = 29.22 ac-ft
 Total Payback: 58.44 + 29.22 = 87.66 ac-ft.

Gila Valley Irrigation District

1. **Mr. Thomas Whitmire, Jr.** **CEASE & DESIST RECEIVED & SIGNED**

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
109-76-053F	T6S, R24E, Sec 24, NW1/4 NW1/4	3.10	0.00	3.10

Payback and penalties for this violation are as follows:
 Union Canal Duty for 2001 = 4.05 ac-ft/ac.
 Payback: Duty x Acres in Violation = 4.05 x 3.10 = 12.56 ac-ft.
 Penalty: 50% of Payback = 6.28 ac-ft.
 Total Payback: 12.56 + 6.28 = 18.84 ac-ft.

2. **Mr. Thomas Whitmire, Sr.** **CEASE & DESIST RECEIVED & SIGNED**

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
109-76-053G	T6S, R24E, Sec 24, NW1/4 NW1/4	3.40	0.00	3.40

Payback and penalties for this violation are as follows:
 Union Canal Duty for 2001 = 4.05 ac-ft/ac.
 Payback: Duty x Acres in Violation = 4.05 x 3.40 = 13.77 ac-ft.
 Penalty: 50% of Payback = 6.89 ac-ft.
 Total Payback: 13.77 + 6.89 = 20.66 ac-ft.

ATTACHMENT "A"

3. **Mr. Dale Stringfellow** CEASE & DESIST RECEIVED & SIGNED

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
109-76-053C	T6S, R24E, Sec 24, NW1/4 NW1/4	3.06	0.00	3.06

Payback and penalties for this violation are as follows:
 Union Canal Duty for 2001 = 4.05 ac-ft/ac.
 Payback: Duty x Acres in Violation = 4.05 x 3.06 = 12.93 ac-ft.
 Penalty: 50% of Payback = 6.20 ac-ft.
 Total Payback: 12.93 + 6.20 = 18.59 ac-ft.

4. **Mr. Laroy Saline** CEASE & DESIST RECEIVED & SIGNED

Parcel No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
105-36-073	T6S, R25E, Sec 30, S1/4 NW1/4	45.70	35.00	10.70

Payback and penalties for this violation are as follows:
 Union Canal Duty for 2001 = 4.05 ac-ft/ac.
 Payback: Duty x Acres in Violation = 4.05 x 10.70 = 43.34 ac-ft.
 Penalty: 50% of Payback = 21.67 ac-ft.
 Total Payback: 43.34 + 21.67 = 65.01 ac-ft.

San Carlos Apache Tribe

1. **TRIBE NOTIFIED, INFORMAL RESOLUTION PENDING**
 The following SCAR violations and assessment of payback and penalties have not yet been resolved with the Tribe.

Location	Field No.	TBI Acres Reported	Actual Acres Planted	Ac-Ft Diverted
Black Point	1022W	17.8	0.0	56.46
Black Point	1022E	12.6	0.0	54.91

Payback and penalties for this violation are as follows:
 Total Diverted on Fields 1022W & 1022E for 2001 = 111.37 ac-ft
 Payback: Diversions for Acres in Violation = 111.37 ac-ft
 Penalty: 50% of Payback = 55.69 ac-ft.
 Total Payback: 111.37 + 55.69 = 167.06 ac-ft.

2. **TRIBE NOTIFIED, RESOLUTION PENDING**

Location	Field No.	TBI Acres Reported	Actual Acres Planted	Ac-Ft Diverted
Navajo Point	1044	13.0	0.0	29.98
Navajo Point	1045	39.7	0.0	13.34

Payback and penalties for this violation are as follows:
 Total Diverted on Fields 1044 & 1045 for 2001 = 43.32 ac-ft
 Payback: Duty x Acres in Violation = x 3.40 = 13.77 ac-ft.
 Penalty: 50% of Payback = 21.66 ac-ft.
 Total Payback: 43.32 + 21.66 = 64.98 ac-ft.

ATTACHMENT "A"

San Carlos Irrigation & Drainage District

1. **Mr. Ned Palmer** OWNER NOTIFIED, NO RESPONSE REQUIRED

Account No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
6828-12	T6S, R8E, Sec 28, W1/2 NE1/4	83.00	100.00	17.00

"Since this violation did not result in a diversion of natural flow water for more than the acreage actually reported and no parties to the Decree were injured, no payback or penalty was assessed. The land owner was notified that in the future a penalty may be assessed for incorrect TBI reporting".

2. **J&B Pate Properties** OWNER NOTIFIED, NO RESPONSE REQUIRED

Account No.	Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
6525-3	T6S, R5E, Sec 25, SW1/4	57.00	134.00	77.00

"Since this violation did not result in a diversion of natural flow water for more than the acreage actually reported and no parties to the Decree were injured, no payback or penalty was assessed. The land owner was notified that in the future a penalty may be assessed for incorrect TBI reporting".

Gila River Indian Community

1. CEASE & DESIST RECEIVED & SIGNED

Location	TBI Acres Reported	Actual Acres Planted	Acres in Violation
T4S, R5E, Sec 5, W1/2 NE1/4	183.50	120.87	62.63

Payback and penalties for this violation are as follows:
 Gila River Indian Community Duty for 2001 = 2.10 ac-ft/ac.
 Payback: Duty x Acres in Violation = 2.10 x 62.63 = 131.52 ac-ft.
 Penalty: 50% of Payback = 65.76 ac-ft.
 Total Payback: 131.52 + 65.76 = 197.288 ac-ft.

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 2001, the Commissioner's Office was notified by the G.V.I.D., in their letter dated August 14, 2001, that no actions have been taken as of this date by the G.V.I.D. to improve the water quality in the Gila River. September 5, 2001, the Commissioner's Office received notice from G.V.I.D. that no efforts had been instituted to minimize the salt content of the water of the Gila River. No other information from G.V.I.D. concerning this matter was received and the Commissioner assumes that no action was taken during the remainder of the year 2001.

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 2001, no revisions throughout the year) 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 2001.

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	3.85	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
TOTAL	680.16	339.93	96.25	4.41	19.70	56.09	8.05	524.43

The percent of SMALL PARCELS decreed lands irrigated in 2001 was 77.1 percent.

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2001

COURT ORDERS

<u>Date of Order</u>	<u>Order</u>
01/22/2001	Order Granting San Carlos Irrigation District's Motion for Leave to File Their Objection and Cross Petition to the Gila Water Commissioner's Petition to Terminate Assessments on Gila Crossing.
01/26/2001	Order Setting Date for Objections to Water Commissioner's 4 th Quarter 2000 Attorney Fees
03/01/2001	Order Granting the Water Commissioner's Motion to Modify the Water Quality Injunction.
03/14/2001	Order Approving Water Commissioner's 4 th Quarter 2000 Attorney Fees.
03/22/2001	Order Setting Date for Objections to Water Commissioner's Petition to Increase Billing Rate for his Attorney.
04/16/2001	Order to Enter Final Judgement on Counts 6 and 7 of the Gila River Indian Community's Amended Complaint in Intervention
04/20/2001	Order Authorizing Increase in the Billing Rate for the Water Commissioner's Attorneys.
05/04/2001	Order Setting Date for Objections to Water Commissioner's 1 st Quarter 2001 Attorney Fees
05/04/2001	Order for Admission of Attorney Pro Hac Vice
05/22/2001	Order Granting Defendant Phelps Dodge and New Mexico Defendants Extension of Time to Answer or Otherwise Responds to Plaintiff's Complaint Re: Pumping
05/31/2001	Order Setting Filing Dates and Response Dates on all Rule 12 Motions
06/18/2001	Judgement on Counts 6 and & of the Gila River Indian Community's Amended Complaint.
06/19/2001	Order Approving Water Commissioner's 4 th Quarter 2000 Attorney Fees.
06/29/2001	Order Granting Motion by SCAR and GRIC to File an Untimely Motion for Certification of a Defensive Class
07/19/2001	Order Setting Date for Objections to Water Commissioner's 2 nd Quarter 2001 Attorney Fees

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07/23/2001 Order Relating to Stipulation Concerning Arizona Water Company's Motion to Dismiss or, In the Alternative, Motion for Summary Judgment on Complaint RE: Pumping

08/20/2001 Order Granting Water Commissioner's Request to Suspend Water Quality Injunction Granted

08/20/2001 Order Denying Plaintiffs Motion to Certify Defensive Class; Granting Various Motions to Dismiss to the extent That the Complaint is Hereby Limited To People Pumping From Decreed Land and Dismisses Without Prejudice All Parties Who Are Not Pumping From Decreed Land; Denying Motion For More Definite Statement.

08/31/2001 Order Approving Water Commissioner's 2nd Quarter 2001 Attorney Fees.

09/06/2001 Order Setting Date for Filing Objections to the Gila Water Commissioner's 2002 Budget.

09/21/2001 Order Authorizing Parties to Present Factual Evidence and Legal Arguments Regarding the State of New Mexico's Role in Administering and Regulating Groundwater at the March 25, 2002 Trail.

10/25/2001 Order Granting Various Motions to Dismiss and Denying Various Motions by Defendants for Sanctions.

10/25/2001 Order Setting Date for Objections to Water Commissioner's 3rd Quarter 2001 Attorney Fees

10/29/2001 Order Denying the Apache Tribe's Motion for Entry of Final Judgement

11/09/2001 Order Approving Water Commissioner's Year 2002 Budget

11/27/2001 Order Confirming Discovery Schedule and Establishing A Service List

11/27/2001 Order Granting The Apache Tribe's Motion for Extension of Time To Complete Service of Process and Motion For Service By Publication.

11/29/2001 Order Extending Plaintiffs Time To File Reply to the City Of Safford's Counterclaim.

11/29/2001 Order Granting Plaintiffs Time To File a Reply To The Amended Answer And Counterclaim and Cross Claim.

12/18/2001 Order Approving Water Commissioner's 3rd Quarter 2001 Attorney Fees.

12/20/2001 Order Approving Language to be Included in a Summons to be Issued for Purpose Of Service by Publication in Conformance With The Court's Order of November 27, 2001.

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, 2001, 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 auditing standards generally accepted in the United States of America. 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, 2001, and its revenue, expenses and changes in equity for the year then ended on the basis of accounting described in Note 1.

Colby & Company

March 22, 2002

2001
FINANCIAL STATEMENT
WATER COMMISSIONER'S ACCOUNT
RECEIPTS

Plaintiffs			
San Carlos Irrigation Project	\$362,321.49		
SCIP 01 assessment pre-paid (interest)	2,861.48		
San Carlos Agency	<u>3,705.00</u>		
		\$368,887.97	
Defendants			
Gila Valley Irrigation District	110,217.04		
Franklin Irrigation District	16,956.07		
Sunset Ditch Company	8,250.92		
ASARCO	13,244.16		\$516,639.49
Kearny	344.16		
York Valley	<u>1,800.86</u>		
		150,613.00	
Miscellaneous Receipts		1,707.06	
Supplemental reports		600.00	
Interest Income		14,449.24	
Correction		<u>0.05</u>	
Total Receipts			\$536,257.32
Balance Forward 2000			<u>432,930.51</u>
			<u>\$969,187.83</u>

DISBURSEMENTS

Personnel			
Don L. Weesner	\$74,868.96		
Jon W. Allred	44,670.96		
James W. Pavlacky	38,917.04		
Waylon D. West	36,899.04		
Maria Moore	11,974.60		
F. I. C. A.	12,730.51		
Medicare	2,977.30		
Federal Unemployment Tax	<u>2,170.00</u>		
		\$223,208.41	
Employee Benefit Plan			
Retirement	11,601.36		
Medical Insurance	<u>20,897.83</u>		
		32,499.19	
George E. Greiner (Consulting Fee)			6,000.00
Travel			
Don L. Weesner	2,775.49		
Jon W. Allred	2,128.04		
James W. Pavlacky	2,166.17		
Waylon D. West	1,473.64		
Maria Moore	<u>33.81</u>		
		8,577.15	
2000 Attorney Fees			
Brent F. Moody	18,993.11		
Charles W. Whatstine	<u>115.00</u>		
		17,108.11	
2001 Attorney Fees			
Brent F. Moody	55,533.28		
Charles W. Whatstine	<u>565.68</u>		
		56,098.96	
2000 Carry-over Expenses			
		1,080.60	
Geronimo Station expenses			
		3,826.26	
Joint Funding (Stream flow records)			
		82,700.00	
Capital Purchases			
Telemetry	665.00		
Lanier Copier	6,994.94		
GSI Monitoring	24,481.00		
Gateway Computer	<u>2,376.88</u>		
		34,517.82	
Other expenses			
Annual Audit	1,100.00		
Communications	8,239.46		
Computer	1,039.43		
Insurance & Bonds	3,662.00		
Office Expenses	5,457.53		
Rent and Utilities	8,073.36		
Tower Rental	900.00		
Workmen's Compensation	1,481.58		
Miscellaneous	429.27		
Water Quality Expendures	301.62		
Contingency Expenses	<u>1,008.16</u>		
		31,692.41	
Total Disbursements			\$497,308.91
Balance on hand 1/1/2002			<u>471,878.92</u>
			<u>\$969,187.83</u>
Note:			
U.S.G.S. Stream flow	\$74,900.00		
Geronimo Reserve Fund	\$20,207.11		
Legal Fees	\$13,934.18		

**2001
SUMMARY OF AUDITS**

FRANKLIN IRRIGATION DISTRICT

PARCELOWNER NO.	TWP.	RNG.	SEC.	1/4-1/4	DECREED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
400-63-006	8S	31E	13	SW-NE	13.50	4.90	4.90 ac. Planted, No Violation	NA	NA
NA	8S	31E	13	SE & NE 1/4	62.91	46.90	46.90 ac. Planted, No Violation	NA	NA
NA	8S	32E	18	SW-SW	25.70	0.00	0 ac. Planted, No Violation	NA	NA
NA	8S	32E	20	SW-SW	30.35	30.35	30.35 ac. Planted, No Violation	NA	NA
NA	8S	32E	29	W1/2-SE1/4	43.49	43.49	43.49 ac. Planted, No Violation	NA	NA
NA	9S	32E	3	NE1/4	73.80	73.45	73.45 ac. Planted, No Violation	NA	NA
NA	18S	21W	32	SE-SE	6.00	6.00	6.00 ac. Planted, No Violation	NA	NA
NA	18S	21W	32	SW-SE	24.20	0.00	0 ac. Planted, No Violation	NA	NA
NA	18S	21W	33	SW-SE	12.00	12.00	0 ac. Planted, 12.00 ac. Violation	Owner Signed Cease & Desist Order	87.66 Ac-Ft
12311	18S	21W	33	NW & SW	35.30	35.30	35.30 ac. Planted, No Violation	NA	NA
NA	19S	20W	18	N1/2	195.85	169.60	169.60 ac. Planted, No Violation	NA	NA
NA	18S	21W	3	SE-NE	3.00	3.00	3.00 ac. Planted, No Violation	NA	NA
NA	19S	21W	12	W1/2-SE1/4	135.70	111.80	111.80 ac. Planted, No Violation	NA	NA
NA	18S	21W	33	SE-SE	20.00	20.00	8.00 ac. Planted, 12.00 ac. Violation	Owner Signed Cease & Desist Order	87.66 Ac-Ft
500-32, 33 & 35	8S	32E	20	S 2/3	209.20	107.40	107.40 ac. Planted, No Violation	NA	NA
DECREED ACRES AUDITED:					891.00	TOTAL PAYBACK & PENALTIES:			
TBI ACRES REPORTED:					5437.01	175.32 Ac-Ft			
PERCENT AUDITED FOR 2001:					16.4%				

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).

2001
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
108-14-B, 9 & 10	4S	23E	19	E1/2-E1/2	28.30	28.30	28.30 ac. Planted, No Violation	NA	NA
108-15-006A & C	4S	23E	20	S1/2	131.00	129.80	129.80 ac. Planted, No Violation	NA	NA
108-25-007	4S	23E	35	SW-SE	9.30	9.30	9.30 ac. Planted, No Violation	NA	NA
109-12-005	5S	23E	2	NW & SE-NE	35.60	27.80	27.80 ac. Planted, No Violation	NA	NA
109-12-008	5S	23E	2	SE1/4	112.00	112.00	112.00 ac. Planted, No Violation	NA	NA
109-32-5, 8, 9 & 10	5S	24E	18	E1/2	137.00	105.80	105.80 ac. Planted, No Violation	NA	NA
109-35-022	5S	24E	21	SW-SW	3.50	2.90	2.90 ac. Planted, No Violation	NA	NA
109-37-040	5S	24E	28	SW1/2	61.90	61.90	61.90 ac. Planted, No Violation	NA	NA
109-37-27B & 39	5S	24E	28	W1/2-NW1/4	38.50	38.50	38.50 ac. Planted, No Violation	NA	NA
109-39-011	5S	24E	29	S1/2	79.45	79.45	79.45 ac. Planted, No Violation	NA	NA
109-52-003	6S	24E	1	SE1/4	105.00	100.20	100.20 ac. Planted, No Violation	NA	NA
109-52-002	6S	24E	1	S1/2	214.70	203.90	203.90 ac. Planted, No Violation	NA	NA
109-53-005	6S	24E	4	S1/2	185.70	177.60	177.60 ac. Planted, No Violation	NA	NA
109-53-007 & 012	6S	24E	2	N1/2	102.60	102.60	102.60 ac. Planted, No Violation	NA	NA
109-64-004C	6S	24E	13	SW-SW	13.70	10.20	10.20 ac. Planted, No Violation	NA	NA
109-76-053F	6S	24E	24	NW-NW	3.30	3.10	0 ac. Planted, 3.10 ac. Violation	Owner Signed Cease & Desist Order	18.84 Ac-Ft
109-76-053G	6S	24E	24	NW-NW	3.55	3.40	0 ac. Planted, 3.40 ac. Violation	Owner Signed Cease & Desist Order	20.66 Ac-Ft
109-76-053C	6S	24E	24	NW-NW	3.40	3.06	0 ac. Planted, 3.06 ac. Violation	Owner Signed Cease & Desist Order	18.59 Ac-Ft
109-73-005	6S	24E	23	SW-SW	110.00	110.00	110.00 ac. Planted, No Violation	NA	NA
109-75-007	6S	24E	24	SE-NE	7.00	7.00	7.00 ac. Planted, No Violation	NA	NA
109-02-002,005 & 009	6S	24E	7	S1/2	116.10	109.00	109.00 ac. Planted, No Violation	NA	NA
105-02-021 & 023	6S	24E	7	SE1/4	25.60	25.60	25.60 ac. Planted, No Violation	NA	NA
105-05-008C	6S	25E	8	SE-SE	28.80	22.00	22.00 ac. Planted, No Violation	NA	NA
105-10-002	6S	25E	18	NW-NE	8.10	8.10	8.10 ac. Planted, No Violation	NA	NA
105-10-009	6S	25E	18	E1/2	81.90	77.90	77.90 ac. Planted, No Violation	NA	NA
105-10-006B	6S	25E	18	E1/2	156.05	124.64	124.64 ac. Planted, No Violation	NA	NA
105-13-009 & 015	6S	25E	19	NW & SW-NW	19.73	13.80	13.80 ac. Planted, No Violation	NA	NA
105-36-009A & 072	6S	25E	30	SE-SW	27.80	0.00	0 ac. Planted, No Violation	NA	NA
105-36-073	6S	25E	30	S1/2-NW1/4	45.70	45.70	35.0 ac. Planted, 10.7 ac. Violation	Owner Signed Cease & Desist Order	65.01 Ac-Ft
105-40-018	6S	25E	31	NE-NW	75.40	28.50	28.50 ac. Planted, No Violation	NA	NA
105-48-003	6S	25E	34	NE-NW	17.60	0.00	0 ac. Planted, No Violation	NA	NA
102-37-011 & 0136	7S	26E	16	E1/2-NE1/4	50.50	0.00	0 ac. Planted, No Violation	NA	NA
103-16-008	7S	26E	22	N1/2-NW1/4	62.80	50.00	50.00 ac. Planted, No Violation	NA	NA
107-50-007	7S	27E	19	W1/2	267.89	251.30	251.30 ac. Planted, No Violation	NA	NA
DECREED ACRES AUDITED:					2369.47			TOTAL PAYBACK & PENALTIES:	123.10 Ac-Ft
TBI ACRES REPORTED IN 2001:					28,016.92				
PERCENT AUDITED IN 2001:					8.5%				

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).

**2001
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	30.40 Acres in Violation	Notified SCAR of violation, Response Pending	167.08 Ac-Ft
NAVAJO POINT	110.60	110.60	52.70 Acres in Violation	Notified SCAR of violation, Response Pending	64.98 Ac-Ft
ANDERSON FLAT	86.10	86.10	No Violation	NA	NA
DECREED ACRES AUDITED:				TOTAL PAYBACK & PENALTIES:	
263.10				232.04 Ac-Ft	
TBI ACRES REPORTED:					
263.10					
PERCENT AUDITED IN 2001:					
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).

**2001
SUMMARY OF AUDITS**

ASARCO INC. AGRICULTURAL LANDS (JJ Anderson Lands)

TWP.	RNG.	SEC.	DECREED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY
4S	14E	35	167.07	0.00	0 ac. Planted, No Violation	NA	NA
4S	14E	36	47.80	0.00	0 ac. Planted, No Violation	NA	NA
DECREED ACRES AUDITED:				214.87			
TBI ACRES REPORTED:				0.00			
PERCENT AUDITED IN 2001:				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).

**2001
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
4935-32	4S	9E	35	W1/3-SW1/4	50.00	35.00	35.00 ac. Planted, No Violation	NA	NA
4936-214	4S	9E	36	E1/2-SW1/4	45.62	30.00	30.00 ac. Planted, No Violation	NA	NA
5918-4	5S	9E	18	NW & SE1/4	118.66	81.00	81.00 ac. Planted, No Violation	NA	NA
5916-31	5S	9E	16	Mid1/3-S1/2	100.00	36.00	36.00 ac. Planted, No Violation	NA	NA
5919-11	5S	9E	19	E2/3-NE1/4	98.79	61.50	61.50 ac. Planted, No Violation	NA	NA
5824-4	5S	8E	24	SE1/4	159.00	121.00	121.00 ac. Planted, No Violation	NA	NA
687-3	6S	8E	7	SW1/4	158.40	69.50	69.50 ac. Planted, No Violation	NA	NA
6818-2	6S	8E	18	NW1/4	119.92	105.50	105.50 ac. Planted, No Violation	NA	NA
6820-31	6S	8E	20	SW1/4	108.63	97.20	97.20 ac. Planted, No Violation	NA	NA
6820-4	6S	8E	20	SE1/4	160.00	66.00	66.00 ac. Planted, No Violation	NA	NA
6821-23	6S	8E	21	NW1/4	70.00	35.00	35.00 ac. Planted, No Violation	NA	NA
6828-12	6S	8E	28	W1/2-NE1/4	120.00	83.00	100 Ac. Planted, 17 Ac. Violation	Owner Notified of Violation	NA
6829-41	6S	8E	29	N1/2-SE1/4	41.91	34.40	34.40 ac. Planted, No Violation	NA	NA
6830-14	6S	8E	30	E1/2-NE1/4	77.51	69.40	69.40 ac. Planted, No Violation	NA	NA
6830-2	6S	8E	30	NW1/4	247.54	64.00	64.00 ac. Planted, No Violation	NA	NA
6830-31	6S	8E	30	SW1/4	71.32	50.00	50.00 ac. Planted, No Violation	NA	NA
6825-4	6S	6E	25	S1/2	320.00	0.00	0 ac. Planted, No Violation	NA	NA
6732-2	6S	7E	32	W1/2	271.84	83.00	83.00 ac. Planted, No Violation	NA	NA
6731-1	6S	7E	31	NE1/4	160.00	140.00	140.00 ac. Planted, No Violation	NA	NA
6731-2	6S	7E	31	NW1/4	160.00	45.00	45.00 ac. Planted, No Violation	NA	NA
6731-3	6S	7E	31	SW1/4	160.00	110.00	110.00 ac. Planted, No Violation	NA	NA
6515-2	6S	5E	15	NE1/4	200.00	150.00	150.00 ac. Planted, No Violation	NA	NA
6525-3	6S	5E	25	SW1/4	150.00	57.00	134 ac. Planted, 77 ac. Violation	Owner Notified of Violation	NA
DECREED ACRES AUDITED:					3,169.14				
TBI ACRES REPORTED:					32,533.10				
PERCENT AUDITED FOR 2001:					9.7%				
TOTAL PAYBACK & PENALTIES:									0.00

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).

**2001
SUMMARY OF AUDITS
GILA RIVER INDIAN COMMUNITY**

TOWNSHIP	RANGE	SECTION	DECEED ACRES	TBI ACRES	RESULTS OF AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY	
4S	5E	3	238.45	52.21	52.21 ac. Planted, No Violation	NA	NA	
4S	5E	5	568.40	183.50	120.87 ac. Planted, 62.63 ac. Violation	GRIC Signed Cease & Desist Order	197.28 Ac-Ft	
4S	5E	8	571.20	551.74	551.74 ac. Planted, No Violation	NA	NA	
4S	5E	9	571.70	568.42	568.42 ac. Planted, No Violation	NA	NA	
4S	5E	10	392.00	380.63	380.63 ac. Planted, No Violation	NA	NA	
4S	8E	30	230.30	30.00	30.00 Acres Planted, No Violation	NA	NA	
DECEED ACRES AUDITED:			2,572.05	TOTAL PAYBACK & PENALTIES:				197.28 Ac-Ft
TBI ACRES REPORTED:			17,380.62					
PERCENT AUDITED IN 2001:			14.8%					

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 2001 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	2,438.28	11,864	4.87
New Model	2,717.65	2,163.85	7,084	3.27
Valley	1,387.20	834.88	3,0181	3.61
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
Totals	8,061.35	5,437.01	21,968	4.04

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	1,029.33	3,824	3.72
Fourness	210.70	189.60	779	4.11
San Jose	4,150.03	3,694.48	17,340	4.69
Montezuma	4,835.96	3,565.18	15,623	4.01
Union	7,371.96	6,003.41	24,305	4.05
Graham	4,217.68	3,889.22	12,255	3.15
Smithville	2,549.33	2,284.06	9,776	4.28
Dodge-Nevada	2,516.54	2,391.44	8,847	3.70
Curtis	1,971.70	1,752.85	8,962	5.11
Fort Thomas	3,155.70	2,884.35	12,577	4.36
Colvin-Jones	205.90	0	0	0.00
Totals	32,512.40	28,016.92	114,268	4.08

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	86.40	110	1.66
Bylas (Navajo Point)	141.36	110.60	277	2.50
Anderson Flat	90.31	86.10	371	4.31
Non-designated lands	97.87	0	0	0.00
Totals	1,000.00	263.10	758	2.88

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) ⁽¹⁾	793.00	793.00	13,020	
Domestic/Municipal (Keamy, Arizona)	101.73	101.73	373	3.67
Farmlands	244.16	0	0	0.00
J J Anderson	196.27	158.00	0	0.00
Totals	1,335.16	1,052.73	13,393	

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	17,380.62	36,484	0.72	2.10
Federal Agencies	546	0	54,153	1.07	3.12
	<u>50,546</u>	<u>17,380.62</u>	<u>90,647</u>	<u>1.79</u>	<u>5.22</u>
White Lands					
San Carlos Irrigation & Drainage Dist	50,000	32,125.10	30,274	0.61	0.94
			76,217	1.52	2.37
	<u>50,000</u>	<u>32,125.10</u>	<u>106,491</u>	<u>2.13</u>	<u>3.31</u>
Natural Flow Lands	1,544.5	408.00	884	0.57	2.17
	<u>51,544.5</u>	<u>32,533.10</u>	<u>107,375</u>	<u>2.08</u>	<u>3.30</u>
Totals	102,090.5	49,913.72	198,022	1.94	3.97
	102,090.5	49,913.72	67,652	0.66	1.36
	100,546	49,505.72	130,370	1.30	2.63

Water issued for 49,913.72 T.B.I. acres on 12/01/01. Monthly modification of T.B.I. Acres are shown on diversions plates.

Diversions from Picacho Reservoir are reflected above.

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

1936-2001

GILA RIVER FLOWS & DIVERSIONS, GILA RIVER SYSTEM

Quantities to closest thousand acre-feet

Year	Gila Blue	Duncan Valley Divs.	Gila Clifton	San Fran. Clifton	Gila Solomon + Brown	San Simon	Safford Valley Divs.	Gain Safford Valley	SCAR Divs.	Gila Calva	San Carlos Peridot	Maxmum Stored Water	Gila Below Coolidge Dam	Gila Winkelman	ASARCO Divs.	J. J. And. Divs.	Town of Kearny Divs.	Gila Kelvin	A-H Divs.	Spilled Stulced	A-H Total	Loss Kelvin to A-H	Sacaton Divs.
1936	90	39	78	98	*217	14	132	51		150	48	193	237	#				308	244	#	#	#	4.8
1937	208	40	190	181	*418	3	161	60		321	48	269	298	#				375	302	24	327	49	2.5
1938	87	23	78	71	*164	5	98	22		94	15	90	123	#				193	158	9	186	27	1.6
1939	94	34	87	70	*172	8	79	16		115	19	30	123	#				178	134	22	156	20	1.3
1940	146	40	131	134	*303	11	100	7		220	52	113	143	#				268	166	49	204	65	2.5
1941	435	34	407	382	918	13	151	120		800	172	775	240	#				488	295	125	420	38	1.4
1942	111	36	99	101	222	8	172	83		141	21	619	373	374				396	372	12	384	11	0.2
1943	71	32	69	57	181	15	122	49		83	29	563	367	360				418	367	34	391	27	0.7
1944	80	27	74	54	161	17	128	56		97	13	284	294	303				339	287	17	304	36	0.6
1945	109	28	101	90	220	11	149	36		118	16	124	183	196				241	200	19	219	22	0.8
1946	83	14	49	82	116	3	70	5		54	16	29	82	71				103	84	8	82	11	0.9
1947	45	10	#	41	100	4	52	-13		39	11	19	56	59				82	68	7	76	6	0.5
1948	86	9	#	69	148	5	40	-33		80	10	15	65	61				87	71	6	77	10	0.1
1949	303	25	269	266	569	15	168	-4		411	22	260	277	276				317	260	24	284	33	0.1
1950	49	13	40	34	87	6	69	5		30	6	94	123	123				156	118	11	127	28	0.1
1951	33	3	32	36	79	7	28	-18		42	17	8	41	53				78	47	10	58	19	0.1
1952	140	20	100	165	324	5	129	-11		189	73	164	228	237				270	229	18	244	26	0.4
1953	46	8	35	40	83	6	39	-12		39	8	18	45	44				69	53	2	56	13	0.1
1954	89	13	80	77	190	28	80	-18		122	43	74	103	127				222	121	97	217	6	1.0
1955	67	13	87	73	170	27	86	22		132	27	109	94	107				226	113	118	231	+6	0.2
1956	24	8	18	26	49	1	43	0		7	12	78	79	79				89	73	2	78	13	0.0
1957	121	11	94	106	225	20	70	-37		138	11	82	74	81				95	78	4	82	13	0.1
1958	205	19	184	260	473	17	147	-42		302	62	228	243	252				315	284	26	289	26	0.0
1959	74	11	68	92	179	10	80	-7		102	31	112	135	149				207	184	31	184	22	0.0
1960	139	15	110	143	285	2	111	-13		163	33	223	252	259				290	241	26	267	23	0.0
1961	73	8	58	98	159	20	38	-34		110	21	70	41	80				88	61	8	69	19	0.0
1962	211	21	173	208	410	4	135	-37		242	22	189	228	237				253	220	7	227	25	0.0
1963	130	20	108	138	273	3	101	-8		167	31	132	187	178				226	186	19	205	21	0.0
1964	69	12	54	69	142	10	70	-4		78	11	66	91	97				157	120	19	139	18	0.0
1965	161	18	137	222	395	8	93	-51		260	110	253	117	134				240	137	163	300	+60	0.0
1966	209	23	181	205	433	4	133	68		371	21	504	281	283				348	288	26	328	22	0.0
1967	115	16	107	158	259	12	90	10		190	38	324	249	273				380	260	88	348	31	0.0
1968	314	28	277	309	656	4	152	23		531	36	679	282	294				345	318	15	331	14	0.0
1969	62	15	50	66	122	3	89	20		56	15	487	316	312				341	308	2	308	33	0.0
1970	53	15	44	57	110	3	96	13		30	14	189	222	231				261	224	9	234	26	0.0
1971	89	5	74	97	181	10	39	-21		131	35	120	38	53				97	70	3	73	24	0.0
1972	285	12	218	254	506	14	67	8		482	43	379	172	180				219	178	118	294	+75	0.0
1973	314	20	292	339	671	1	125	27		578	63	843	298	312				373	324	30	355	19	0.0
1974	59	13	66	49	115	6	80	8		48	11	618	361	354				397	351	11	362	34	0.0
1975	220	16	171	151	342	5	109	-28		209	18	273	342	361				353	328	11	339	13	0.0
1976	88	18	64	67	147	3	84	0.2		66	9	119	185	192				186	181	6	187	8	0.0
1977	66	9	49	52	132	6	31	-43		63	14	21	50	59				99	81	34	95	4	0.0
1978	330	13	296	362	848	4	75	-124		653	165	545	217	293				425	282	144	406	19	0.0
1979	287	16	293	337	750	2	106	19		665	82	1070	407	503				641	422	77	498	14	0.0
1980	135	23	116	211	445	1	122	10		334	129	1090	526	526				670	477	134	611	55	0.0
1981	62	18	65	58	150	8	110	18		63	14	666	471	471				523	458	15	471	52	0.0
1982	131	24	108	104	270	1	118	^		158	59	278	280	280				318	289	12	302	15	0.0
1983	374	22	353	601	1149		127	^		1184	154	968	459	459				748	273	548	819	+71	0.0
1984	198	24	192	224	480		135	^		416	77	921	397	397				582	388	164	562	+0.3	0.0
1985	370	21	334	284	740		134	^		728	51	975	779	805				879	468	382	840	39	0.0
1986	188	24	166	138	324		149	^		288	62	905	395	422				464	412	30	442	22	0.0
1987	121	26	113	174	334		138	^		283	32	792	439	448				465	427	1	428	37	0.0
1988	257	23	220	190	445		138	^		391	30	567	431	440				464	420	8	429	35	0.0
1989	68	18	^	82	120		94	^		43	14	458	395	384				423	379	3	383	40	0.0
1990	78	10	^	82	170		69	^		58	58	81	44	62				95	56	16	74	22	0.0
1991	340	20	^	281	681		126	^		749	87	511	276	304				383	297	48	345	19	0.0
1992	377	20	^	330	801		124	^		1027	88	740	550	619				646	401	206	606	40	0.0
1993	518	22	^	572	1558		119	^		1695	296	1060	1682	2203				2374	391	1925	2316	58	0.0
1994	230	23	^	157	345		108	^		357	28	541	377	^				489	401	12	413	76	0.0
1995	262	22	^	206	506		109	^		566	106	879	427	^				620	423	120	543	62	0.0
1996	117	16	^	77	194		95	^	0.2	109	14	522	439	^				485	426	8	431	33	0.0
1997	210	22	^	192	316		213	^	0.2	210	21	211	298	^				286	258	1	258	28	0.0
1998	184	24	^	187	340		126	^	0.1	276	38	271	297	^				345	312	9	321	24	0.0
1999	91	23	^	90	205		105	^	0.6	128	12	106	106	^				125	107	1	108	17	0.0
2000	112	9	^	103	347		49	^	0.9	274	17	239	75	^				111	83	26	109	2	0.0
2001	84	22	^	89	182		114	^	0.8	100	8	269	249	^				258	241	1	243	13	0.0

* Gila below Benita

No record

* Flood of Oct. 20, 1972 destroyed gage. Record for Oct. 20, 1972 to Sept. 30, 1974 computed from supplementary gage 6.3 miles upstream.

* 1979: March and April spill not estimated. Sluice amount unknown.

^ 1980: April spill not estimated.

□ Record discontinued September 30, 1980 through June 30, 1984

□ Record discontinued October 1, 1982

∠ Record discontinued September 30, 1989

^ Not able to compute

∆ Discontinued September 30, 1994

SCAR Farm Reports

The San Carlos Apache Tribe's farm reports for the year 2001 were incomplete and will not be published in the Commissioner's 2001 Annual Report. The Commissioner's Office prepared a new set of forms to be used by the Tribe for the monthly farm reports. The Tribe began using the new forms effective January 2002. These completed forms will be published in the Commissioner's 2002 Annual Report as instructed by the Court.

2001

DUNCAN VALLEY: 8,061.35 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	8.1	8.1		4.9	4.9		32.4	32.4		59.0	55.3	3.7	60.8	56.8	4.0	19.5		19.5	
2	8.1	8.1		6.1	6.1		33.1	33.1		59.6	55.5	4.1	60.3	56.4	3.9	15.4		15.4	
3	8.1	8.1		11.0	11.0		32.0	32.0		59.2	55.1	4.1	60.8	54.3	6.5	15.3		15.3	
4	7.0	7.0		12.8	12.8		31.5	31.5		59.1	55.0	4.1	60.5	60.5		25.3		25.3	
5	6.4	6.4		12.8	12.8		29.0	29.0		59.6	55.5	4.1	60.5	33.1	27.4	33.8		33.8	
6	6.4	6.4		13.0	13.0		25.1	25.1		60.4	60.2	0.2	60.3	51.1	9.4	36.2		36.2	
7	6.4	6.4		15.1	15.1		23.7	23.7		59.8	59.8		62.4	29.6	32.8	35.6		35.6	
8	6.4	6.4		15.9	15.9		23.6	23.7	0.1	59.3	59.3		62.4	29.6	32.8	30.7		30.7	
9	12.2	12.2		15.9	15.9		20.6	20.5	0.1	58.6	58.6		61.7	26.6	32.1	26.4		26.4	
10	16.4	16.4		18.1	18.1		25.0	25.0		59.8	59.8		60.0	24.9	35.1	23.3		23.3	
11	12.2	12.2		18.5	18.5		28.9	28.9		59.6	59.6		62.9	33.1	29.8	18.8		18.8	
12	8.3	8.3		18.4	18.4		28.3	28.3		59.8	59.8		64.9	26.4	38.5	18.8		18.8	
13	2.6	2.6		18.4	18.4		35.1	35.1		59.6	59.6		63.6	25.4	38.2	14.7		14.7	
14	2.4	2.4		18.4	18.4		41.5	41.5		58.8	58.8		62.3	25.4	36.9	13.2		13.2	
15	2.4	2.4		14.5	14.5		49.8	49.8		58.8	58.8		62.7	27.2	35.5	13.2		13.2	
16	5.3	5.3		13.5	13.5		52.8	52.8		55.3	55.3		62.6	26.4	36.2	10.5		10.5	
17	6.9	6.9		13.2	13.2		52.6	52.6		55.4	55.4		62.8	12.1	50.7	8.7		8.7	
18	5.8	5.8		13.3	13.3		52.7	52.7		54.8	50.8	4.0	62.8	12.1	50.7	7.9		7.9	
19	5.1	5.1		19.3	19.3		52.9	49.3	3.6	54.8	90.7	4.1	63.7	12.1	51.6	8.1		8.1	
20	5.0	5.0		19.3	19.3		53.5	49.4	4.1	59.9	58.0	3.9	63.6	33.1	30.5	10.2		10.2	
21	4.9	4.9		20.9	20.9		54.3	50.0	4.3	61.1	56.8	4.3	63.8	11.7	51.9	13.3		13.3	
22	4.9	4.9		27.1	27.1		54.9	49.5	5.4	61.1	56.5	4.6	63.5	11.7	51.8	14.1		14.1	
23	4.9	4.9		28.0	28.0		55.3	51.3	4.0	61.2	56.2	5.0	63.4	11.7	51.7	14.5		14.5	
24	4.9	4.9		31.6	31.6		58.2	52.5	5.7	61.5	56.4	5.1	61.7	11.7	50.0	15.8		15.8	
25	4.9	4.9		32.6	32.6		58.7	55.0	3.7	61.4	56.5	4.9	60.8	11.7	49.1	14.8		14.8	
26	4.9	4.9		32.6	32.6		59.1	55.2	3.9	58.1	54.1	4.0	59.0	11.7	47.3	14.5		14.5	
27	4.9	4.9		32.3	32.3		59.3	55.2	4.1	58.3	54.6	3.7	57.4	10.7	46.7	14.8		14.8	
28	4.9	4.9		32.3	32.3		59.4	55.2	4.2	58.1	54.4	3.7	55.9	11.7	44.2	13.6		13.6	
29	4.9	4.9					59.9	55.2	4.7	59.8	55.7	4.1	52.3	5.8	46.7	14.4		14.4	
30	4.9	4.9					59.6	55.2	4.4	60.8	55.9	4.9	48.2	5.8	42.6	13.8		13.8	
31	4.8	4.8					59.1	55.3	3.8				33.6	5.8	28.0				
Total	195.3	195.3		520.3	520.3		1380.1	1306.0	54.1	1770.8	1693.8	76.8	1881.2	767.8	1093.6	527.2		527.2	
Acres-feet		367			1032			2688			3512			3692				1048	
Priority Diverted		387			1032			2591			3359			1522					
Apport Diverted								107			152			2169				1046	
Appor diverted to date								107			259			2428				3474	
TBI Acreage		4730.14			4831.48			4839.69			4946.89			5481.80				5481.60	
Apportioned		28110			28989			29038			29680			32890				32890	
Duty		0.08			0.21			0.56			0.69			0.52				0.19	

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	13.3			13.3	19.1	11.7	7.4	23.3	5.8	17.7	15.7			11.6	11.6	42.4		42.4	
2	13.0			13.0	25.8	25.8		31.1	5.6	25.5	15.8			11.6	11.6	43.0		43.0	
3	12.9			12.9	32.9	19.9	13.0	38.9	11.7	27.2	15.3			11.6	11.6	41.7		29.0	12.7
4	12.6			12.6	33.7	19.8	13.9	36.2	11.7	24.5	15.4			11.6	11.6	40.8		17.8	23.2
5	11.7			11.7	30.5	16.7	13.8	29.5	5.6	23.9	16.3			11.6	11.6	40.6		29.3	11.3
6	10.4			10.4	19.1	5.6	13.6	18.1		18.1	15.8			12.0	12.0	41.0		32.8	8.2
7	9.3			9.3	15.0		15.0	12.3		12.3	15.7			13.9	13.9	40.9		31.1	9.8
8	10.9			10.9	16.5		16.5	12.1		12.1	15.0			14.8	14.8	41.6		32.5	9.1
9	14.2	10.7		3.5	17.9		17.9	12.1		12.1	14.9			14.8	14.8	42.4		27.1	15.3
10	15.3	14.2		1.1	18.3		18.3	11.7		11.7	15.8			18.7	18.7	41.6		41.8	
11	30.4			30.4	17.8		17.8	11.8		11.8	15.4			17.6	17.6	42.1		42.1	
12	44.9			44.9	21.8	5.8	16.0	11.7		5.6	6.1			19.1	19.1	39.0		39.0	
13	48.5			48.5	23.0	11.7	11.3	11.7		11.7	15.0			20.1	20.1	36.0		36.0	
14	42.8			42.8	36.7	5.6	31.1	12.1		12.1	15.3			20.2	20.2	30.4		30.4	
15	41.1			41.1	56.4	55.4	1.0	11.5	5.6	5.9	15.7			20.1	20.1	28.3		28.3	
16	35.7			35.7	57.9	57.9		11.4	5.6	5.8	15.9			20.6	20.6	28.0		28.0	
17	35.6			35.6	52.9	50.6	2.3	15.0		15.0	16.1			22.4	22.4	27.2		18.5	8.7
18	33.1			33.1	47.9	47.9		18.0		5.6	12.4			23.5	23.5	27.2		21.5	5.7
19	29.2			29.2	46.7	29.0	17.7	39.1		39.1	16.7			23.3	23.3	24.4		21.8	2.8
20	37.8			37.8	48.4	18.1	32.3	56.6		11.7	44.9			23.1	23.1	23.6		23.6	
21	41.8			41.8	48.6	23.0	25.6	58.3		12.1	44.2			24.4	24.4	24.5		24.5	
22	44.5			44.5	53.3	48.4	4.9	55.3		10.7	44.8			26.0	26.0	23.3		23.3	
23	47.2			47.2	52.3	5.8	46.7	37.5		5.6	31.9			21.8	21.8	22.8		22.8	
24	47.1			47.1	50.2	11.7	38.5	24.5		5.8	18.9			27.4	27.4	22.6		22.6	
25	46.5			46.5	54.9	5.8	49.3	23.5		5.6	17.9		15.4	0.6	34.3	22.5		22.3	0.2
26	43.4			43.4	52.8		52.8	19.6	5.8	14.0	13.9			35.7	35.7	22.8		20.8	1.8
27	45.4			45.4	34.0		34.0	18.1		16.1	11.4			39.8	39.8	22.5		20.8	1.7
28	41.9			41.9	24.5		24.5	16.0		5.8	10.4			42.3	42.3	21.4		18.5	2.9
29	41.0			41.0	23.4		23.4	15.8		15.8	11.6			42.5	42.5	22.2		21.3	0.9
30	26.3	26.3			18.1		18.1	15.6		15.6	11.5			42.4	42.4	23.2		23.2	
31	23.6	5.8		18.0	17.9	14.4	3.5				11.6					23.5		23.5	
Total	950.2	56.8	893.4	1069.1	488.0	580.1	704.4	125.1	579.3	496.4	86.9	379.5	678.8	678.8		973.3	859.0	114.3	
Acres-feet		1885			2119			1397			925			1342				1931	21968
Priority Diverted		113			968			248			173			1342				1704	13440
Apport Diverted		1772			1151			1149			753							227	8528
Appor diverted to date		5246			6397			7546			8299			8299				8526	8526
TBI Acreage		5486.50			5469.51			5437.01			5437.01			5437.01				5437.01	5437.01
Apportioned		32919			32817			32622			32622			32622				32622	32622
Duty		0.34			0.40			0.27			0.17			0.25				0.36	4.04

2001

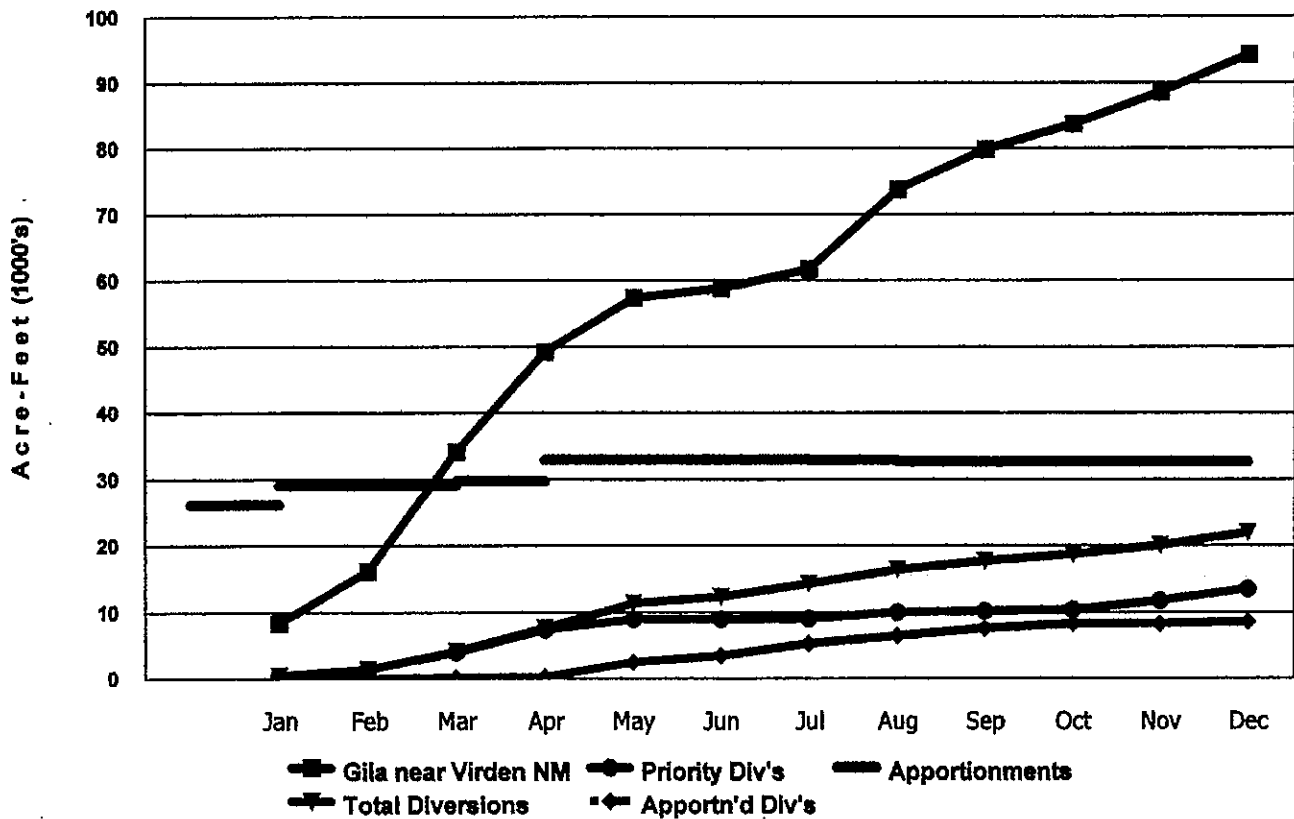
MASS DIAGRAM OF DUNCAN VALLEY

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	
JAN	8,329	8,329	387	387	26,110
FEB	7,839	16,168	1,419	1,419	28,989
MAR	18,008	34,176	4,117	4,010	29,038
APR	15,065	49,241	7,629	7,370	29,680
MAY	8,150	57,391	11,321	8,893	32,890
JUN	1,404	58,795	12,367	8,893	32,890
JUL	2,938	61,733	14,252	9,006	32,919
AUG	12,030	73,763	16,371	9,974	32,817
SEP	6,050	79,813	17,768	10,222	32,622
OCT	3,915	83,728	18,693	10,394	32,622
NOV	4,858	88,586	20,035	11,736	32,622
DEC	5,659	94,245	21,966	13,440	32,622

Graph :	Gila near Viriden NM	Total Diversions	Priority Div's	Apportn'd Div's	Apportionments
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2001

SUNSET CANAL: 2,759.90 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				4.9	4.9		5.0	5.0		29.3	25.6	3.7	29.3	25.7	3.6	13.7		13.7	
2				5.1	5.1		5.5	5.5		29.7	25.6	4.1	29.1	25.2	3.9	13.7		13.7	
3				8.1	8.1		5.0	5.0		29.7	25.6	4.1	29.4	24.4	5.0	13.5		13.5	
4				9.8	9.8		4.9	4.9		29.7	25.6	4.1	29.4	29.4		15.7		15.7	
5				9.9	9.9		2.1	2.1		29.7	25.6	4.1	29.8	17.5	12.1	18.2		18.2	
6				10.3	10.3					29.7	26.7		29.7	21.6	8.1	16.1		16.1	
7				10.2	10.2					29.6	29.6		29.5	15.7	13.8	18.0		18.0	
8				10.2	10.2					29.0	29.0		28.8	15.7	13.1	16.8		16.8	
9	6.1	6.1		9.9	9.9					29.0	29.0		28.8	15.7	13.1	14.7		14.7	
10	10.2	10.2		10.1	10.1		6.4	6.4		29.4	29.4		28.6	14.2	14.4	13.7		13.7	
11	9.9	9.9		10.3	10.3		10.2	10.2		29.7	29.7		29.9	17.5	12.4	12.5		12.5	
12	7.2	7.2		10.2	10.2		9.9	9.9		29.7	29.7		29.7	15.6	14.1	11.6		11.6	
13				10.2	10.2		16.5	16.5		29.7	28.7		29.4	14.6	14.8	9.7		9.7	
14				10.2	10.2		19.8	19.8		29.7	29.7		29.7	14.6	15.1	9.8		9.8	
15				10.2	10.2		25.9	25.9		29.5	29.5		29.6	15.7	13.9	9.4		9.4	
16	2.9	2.9		10.2	10.2		29.1	29.1		29.0	29.0		29.6	15.6	14.0	6.8		6.8	
17	4.5	4.5		9.9	9.9		29.2	29.2		29.4	29.4		29.5	11.7	17.8	6.2		6.2	
18	4.8	4.8		10.0	10.0		29.2	29.2		29.6	25.6	4.0	29.7	11.7	18.0	6.5		6.5	
19	5.1	5.1		10.2	10.2		29.2	25.6	3.6	29.7	25.6	4.1	30.0	11.7	16.3	6.8		6.8	
20	5.0	5.0		7.0	7.0		29.3	25.3	4.0	29.5	25.6	3.9	29.3	17.5	11.8	8.7		8.7	
21	4.9	4.9		5.1	5.1		29.3	25.3	4.0	29.4	25.6	3.8	29.3	11.7	17.8	10.9		10.9	
22	4.9	4.9		5.1	5.1		29.3	24.8	4.5	29.6	25.6	4.0	29.4	11.7	17.7	12.6		12.6	
23	4.9	4.9		5.1	5.1		29.3	25.3	4.0	29.7	25.6	4.1	29.5	11.7	17.8	12.7		12.7	
24	4.9	4.9		5.1	5.1		29.3	25.6	3.7	29.9	25.6	4.3	29.3	11.7	17.6	12.6		12.6	
25	4.9	4.9		5.1	5.1		29.3	25.6	3.7	29.9	25.6	4.3	29.3	11.7	17.6	12.1		12.1	
26	4.8	4.8		5.1	5.1		29.3	25.6	3.7	29.6	25.6	4.0	29.2	11.7	17.5	13.7		13.7	
27	4.8	4.8		5.0	5.0		29.6	25.6	4.0	29.3	25.6	3.7	29.2	10.7	18.5	14.1		14.1	
28	4.8	4.8		4.6	4.6		29.7	25.6	4.1	29.1	25.6	3.5	29.3	11.7	17.6	13.3		13.3	
29	4.8	4.8					29.7	25.6	4.1	29.4	25.3	4.1	28.4	5.6	22.8	14.2		14.2	
30	4.9	4.9					29.4	25.6	3.8	29.6	25.3	4.3	27.1	5.6	21.5	13.8		13.8	
31	4.8	4.8					29.2	25.6	3.6				19.6	5.6	14.0				
Total	109.5	109.5		227.3	227.3		580.6	529.8	50.8	885.8	813.6	72.20	898.2	460.7	437.5	374.1		374.1	
Acre-feet		217			451			1152			1757			1782				742	
Priority Diverted		217			451			1051			1614			914					
Apport Diverted								101			143			868				742	
Apport diverted to date								101			244			1112				1854	
TBI acreage		2397.11			2397.11			2401.01			2401.01			2438.28				2438.28	
Apportioned		13232			14383			14406			14406			14630				14630	
Duty		0.09			0.19			0.48			0.73			0.71				0.30	

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	13.3			13.3	14.7	11.7	3.0	14.5	5.6	8.9	13.7			13.7	11.6	11.6			15.7	15.7
2	13.0			13.0	18.1	18.1		15.9	5.6	10.3	13.7			13.7	11.6	11.6			15.8	15.8
3	12.9			12.9	23.0	14.2	8.8	18.3	11.7	6.6	13.8			13.6	11.6	11.6			15.3	15.3
4	12.6			12.6	24.1	14.2	9.9	17.8	11.7	6.1	13.9			13.9	11.6	11.6			15.2	15.2
5	11.7			11.7	21.7	14.2	7.5	16.0	5.6	10.4	14.2			14.2	11.6	11.6			15.8	15.8
6	10.4			10.4	14.4	5.6	8.8	12.8		12.6	14.0			14.0	11.5	11.5			15.7	15.7
7	9.3			9.3	13.6		13.6	11.6		11.6	13.7			13.7	13.2	13.2			15.7	15.7
8	10.9			10.9	13.6		13.6	11.4		11.4	13.7			13.7	14.1	14.1			15.5	15.5
9	14.2	10.7	3.5	14.0			14.0	11.4		11.4	13.4			13.4	14.1	14.1			15.8	15.8
10	15.3	14.2	1.1	13.7			13.7	11.2		11.2	14.2			14.2	13.9	13.9			15.2	15.2
11	13.3			13.3	14.0		14.0	11.3		11.3	14.1			14.1	13.7	13.7			15.3	15.3
12	16.4			16.4	14.0	5.6	8.4	11.2	5.6	5.6	13.7			13.7	13.9	13.9			15.3	15.3
13	17.8			17.8	13.8	11.7	2.1	11.3		11.3	13.7			13.7	14.1	14.1			14.9	14.9
14	16.5			16.5	18.5	5.6	12.9	11.7		11.7	13.7			13.7	14.1	14.1			15.8	15.8
15	17.8			17.8	27.0	26.0	1.0	11.1	5.6	5.5	13.7			13.7	13.9	13.9			16.7	16.7
16	18.3			18.3	29.3	29.3		11.0	5.6	5.4	13.7			13.7	14.4	14.4			16.0	16.0
17	17.9			17.9	28.3	26.0	2.3	12.8		12.6	13.7			13.7	15.2	15.2			15.2	15.2
18	17.7			17.7	24.7	24.7		14.0	5.6	8.4	13.7			13.7	15.7	15.7			15.2	15.2
19	18.6			18.6	24.9	17.5	7.4	19.5		19.5	13.9			13.9	15.5	15.5			15.3	15.3
20	19.3			19.3	25.0	13.7	11.3	25.6	11.7	13.9	14.1			14.1	15.3	15.3			15.3	15.3
21	19.3			19.3	25.5	14.2	11.3	25.6	11.7	13.9	13.9			13.9	15.4	15.4			15.2	15.2
22	18.8			18.8	29.3	24.4	4.9	25.5	10.7	14.8	13.5			13.5	15.7	15.7			15.1	15.1
23	16.1			16.1	30.5	5.6	24.9	19.4	5.6	13.8	14.0			14.0	15.7	15.7			15.3	15.3
24	18.0			18.0	30.2	11.7	18.5	14.6	5.6	9.0	14.1			14.1	15.7	15.7			15.3	15.3
25	18.0			18.0	29.6	5.6	24.0	14.1	5.6	8.5	13.6	13.6			15.7	15.7			15.3	15.3
26	18.1			18.1	25.5		25.5	14.1	5.6	8.5	12.8	12.8			15.7	15.7			15.5	15.5
27	18.5			18.5	18.8		18.8	14.1		14.1	11.4	11.4			15.7	15.7			15.5	15.5
28	18.1			18.1	14.4		14.4	13.9	5.6	6.3	11.5	11.5			15.7	15.7			15.2	15.2
29	18.5			18.5	16.3		16.3	13.7		13.7	11.5	11.5			15.7	15.7			15.0	15.0
30	18.7	18.7		13.4			13.4	13.7		13.7	11.5	11.5			15.7	15.7			15.0	15.0
31	16.6	5.6	11.0	13.4	13.4						11.6	11.6							15.2	15.2
Total	497.9	49.2	448.7	637.3	313.0	324.3	448.7	124.7	324.0	415.8	84.0	331.8	427.3	427.3			477.7	477.7		
Acre-feet		988			1264			890			824			848				948		11864
Priority Diverted		98			621			247			167			848				948		7176
Apport Diverted		890			643			643			658									4688
Apport diverted to date		2744			3387			4030			4688			4688				4688		4688
TBI acreage		2438.28			2438.28			2438.28			2438.28			2438.28				2438.28		2438.28
Apportioned		14630			14630			14630			14630									

2001

NEW MODEL CANAL: 2,717.55 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	8.1	8.1					18.4	18.4		20.7	20.7		21.1	21.1		3.6		3.8
2	8.1	8.1		1.0	1.0		18.8	18.8		20.6	20.6		21.1	21.1		0.9		0.9
3	8.1	8.1		2.9	2.9		18.1	18.1		20.4	20.4		21.1	21.1		1.5		1.5
4	7.0	7.0		2.8	2.8		17.6	17.6		20.2	20.2		21.0	21.0		5.3		5.3
5	6.4	6.4		2.7	2.7		18.0	18.0		20.0	20.0		20.8	9.8	11.0	8.1		8.1
6	6.4	6.4		2.7	2.7		16.3	16.3		20.1	20.1		20.8	20.8		10.3		10.3
7	6.4	6.4		4.9	4.9		14.9	14.9		19.8	19.8		22.7	9.0	13.7	10.3		10.3
8	6.4	6.4		5.7	5.7		14.6	14.6		19.9	19.9		23.6	9.0	14.6	6.5		6.5
9	6.1	6.1		6.0	6.0		11.4	11.4		18.9	18.9		22.8	9.0	13.8	4.4		4.4
10	6.2	6.2		6.0	6.0		9.8	9.8		20.2	20.2		21.8	6.4	15.2	2.1		2.1
11	2.3	2.3		6.2	6.2		9.8	9.8		19.8	19.8		22.9	9.8	13.1	0.7		0.7
12	1.1	1.1		6.2	6.2		9.8	9.8		19.8	19.8		25.0	6.5	18.5	0.4		0.4
13	2.6	2.6		6.2	6.2		9.8	9.8		19.8	19.8		24.2	6.5	17.7	0.1		0.1
14	2.4	2.4		6.2	6.2		12.7	12.7		18.9	18.9		22.3	6.5	15.8			
15	2.4	2.4		4.3	4.3		15.0	15.0		17.0	17.0		22.7	7.2	15.5			
16	2.4	2.4		3.3	3.3		14.8	14.8		16.3	16.3		22.9	6.5	16.4			
17	2.4	2.4		3.3	3.3		14.8	14.8		15.7	15.7		23.0	0.4	22.6			
18	1.0	1.0		3.3	3.3		14.8	14.8		15.2	15.2		22.6	0.4	22.4			
19				3.3	3.3		14.9	14.9		15.3	15.3		23.7	0.4	23.3			
20				3.3	3.3		15.4	15.4		20.3	20.3		24.3	9.8	14.5			
21				7.2	7.2		16.0	16.0		21.5	20.8	0.7	24.0		24.0			
22				13.2	13.2		16.0	16.0		21.4	20.8	0.6	23.7		23.7			
23				14.9	14.9		17.3	17.3		21.7	20.8	0.9	23.5		23.5			
24				17.8	17.8		18.1	18.1		21.8	20.8	0.8	22.1		22.1			
25				18.5	18.5		20.6	20.6		21.4	20.8	0.6	21.3		21.3			
26				18.3	18.3		21.0	20.8	0.2	18.5	18.5		19.5		19.5			
27				18.3	18.3		20.7	20.7		18.9	18.9		18.0		18.0			
28				18.4	18.4		20.9	20.8	0.1	18.6	18.6		16.5		16.5			
29							21.4	20.8	0.6	20.5	20.5		13.8		13.8			
30							21.4	20.8	0.6	21.2	20.8	0.6	11.4		11.4			
31							20.9	20.8	0.1				7.9		7.9			
Total	85.8	85.8		206.6	206.6		503.6	502.0	1.6	585.2	581.0	4.20	652.1	202.3	448.8	54.2		54.2
Acres-feet		170			410			999			1181			1293				108
Priority Diverted		170			410			996			1152			401				
Apport Diverted								3			8			892				108
Apport diverted to date								3			11			903				1011
TBI acreage		1605.15			1706.50			1710.80			1710.80			2208.44				2208.44
Apportioned		6880			10239			10265			10265			13251				13251
Duty		0.11			0.23			0.58			0.68			0.22				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				1.6		1.6	5.7		5.7	1.5		1.5				20.8		20.8	
2				1.5	1.5		8.6		8.6	1.5		1.5				20.8		20.8	
3				1.4	1.4		11.7		11.7	1.4		1.4				20.8	8.8	11.8	
4				1.3	1.3		11.4		11.4	1.4		1.4				20.1	1.8	18.3	
5				1.3	1.3		8.1		8.1	1.4		1.4				19.5	8.8	10.7	
6				1.2		1.2	2.5		2.5	1.4		1.4	0.5	0.5		19.4	11.3	8.1	
7				1.2		1.2	0.7		0.7	1.4		1.4	0.7	0.7		19.4	9.6	9.8	
8				2.4		2.4	0.7		0.7	1.2		1.2	0.7	0.7		20.4	11.3	9.1	
9				3.2		3.2	0.7		0.7	1.2		1.2	0.7	0.7		20.8	7.0	13.8	
10				3.3		3.3	0.5		0.5	1.1		1.1	2.8	2.8		20.9	20.9		
11	12.6		12.6	3.3		3.3	0.5		0.5	1.0		1.0	3.9	3.9		21.2	21.2		
12	18.4		18.4	5.2		5.2	0.5		0.5	1.0		1.0	5.2	5.2		21.8	21.8		
13	18.9		18.9	6.4		6.4	0.4		0.4	1.0		1.0	6.0	6.0		21.1	21.1		
14	17.9		17.9	14.7		14.7	0.4		0.4	1.0		1.0	6.1	6.1		14.8	14.8		
15	16.2		16.2	23.9		23.9	0.4		0.4	1.0		1.0	6.2	6.2		11.6	11.6		
16	13.1		13.1	21.8		21.8	0.4		0.4	1.8		1.8	6.2	6.2		12.0	12.0		
17	11.5		11.5	20.3		20.3	2.4		2.4	2.3		2.3	7.2	7.2		12.0	3.3	8.7	
18	10.1		10.1	20.2		20.2	3.5		3.5	2.4		2.4	7.8	7.8		12.0	6.3	5.7	
19	7.0		7.0	20.0		20.0	9.7	10.3	14.1		14.1	2.4	7.8	7.8		9.1	6.3	2.8	
20	11.8		11.8	19.8		19.8	21.3		21.3	2.4		2.4	7.8	7.8		8.3	8.3		
21	11.8		11.8	19.8		19.8	5.3	14.3	21.0	0.4	20.6	2.4	2.4	9.0	9.0		9.3	9.3	
22	15.5		15.5	20.2		20.2	20.3		20.3	2.4		2.4	10.3	10.3		6.2	6.2		
23	19.5		19.5	20.0		20.0	11.9		11.9	2.4		2.4	6.1	6.1		7.5	7.5		
24	19.4		19.4	19.3		19.3	5.8		5.8	2.4		2.4	11.7	11.7		7.3	7.3		
25	19.4		19.4	18.7		18.7	5.3		5.3	2.4	1.6	0.6	18.6	18.6		7.2	7.0	0.2	
26	18.1		18.1	18.2		18.2	3.3		3.3	1.1	1.1		20.0	20.0		7.1	5.3	1.8	
27	19.4		19.4	9.8		9.8	1.7		1.7				20.3	20.3		7.0	5.3	1.7	
28	17.7		17.7	5.8		5.8	1.7		1.7				20.8	20.8		6.2	3.3	2.9	
29	18.4		18.4	4.1		4.1	1.6		1.6				20.8	20.8		7.2	6.3	0.9	
30	1.9	1.9		3.5		3.5	1.5		1.5				20.8	20.8		8.2	8.2		
31	1.7		1.7	3.5		3.5										8.3	8.3		
Total	298.3	1.9	296.4	316.5	128.7	187.8	166.6	0.4	168.2	42.9	2.9	40.0	228.0	228.0		430.1	323.6	106.3	
Acres-feet			592			628			334			85			452			833	7084
Priority Diverted			4			255			1			6			452			642	4489
Apport Diverted			588			373			333			79						211	2595
Apport diverted to date			1599			1972			2305			2384			2384			2595	2595
TBI acreage			2213.34			2196.35			2163.85			2163.85			2163.85			2163.85	2163.85
Apportioned			13280			13178			12983			12983			12983			12983	12983
Duty			0.26			0.30			0.19			0.04			0.21			0.39	3.27

Diversion on South side of Gila River in NE1/4NW1/4, Sec. 4, T. 18 N., R. 21 W., NMPK. Water-stage recorder and 6 ft. Parshall flume located in NW1/4SE1/4, Sec. 34, T.8 S., R.32 E. Record good

2001

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							9.0	9.0		9.0	9.0		10.4	10.0	0.4	2.2		2.2		
2							9.0	9.0		9.3	9.3		10.1	9.1	1.0	0.8		0.8		
3							8.9	8.9		9.1	9.1		10.3	8.8	1.5	0.3		0.3		
4							9.0	9.0		9.2	9.2		10.1	10.1		4.3		4.3		
5							8.9	8.9		9.9	9.9		10.1	5.8	4.3	7.3		7.3		
6							8.8	8.8		10.8	10.4	0.2	10.0	8.7	1.3	7.8		7.8		
7							8.8	8.8		10.4	10.4		10.2	4.9	5.3	7.5		7.5		
8							9.2	9.1	0.1	10.4	10.4		10.0	4.9	5.1	7.4		7.4		
9							9.2	9.1	0.1	9.7	9.7		10.1	4.9	5.2	7.3		7.3		
10							8.8	8.8		10.2	10.2		8.8	4.3	5.5	7.5		7.5		
11							8.9	8.9		10.1	10.1		10.1	5.8	4.3	5.8		5.8		
12							8.8	8.8		10.3	10.3		10.2	4.3	5.9	4.8		4.8		
13							8.8	8.8		10.1	10.1		10.0	4.3	5.7	4.9		4.9		
14							9.0	9.0		10.2	10.2		10.3	4.3	6.0	3.4		3.4		
15							8.9	8.9		10.3	10.3		10.4	4.3	8.1	3.8		3.8		
16							8.9	8.9		10.0	10.0		10.1	4.3	5.8	3.7		3.7		
17							8.8	8.8		10.3	10.3		10.3	10.3	2.5	2.5		2.5		
18							8.7	8.7		10.0	10.0		10.3	10.3	1.4	1.4		1.4		
19				5.8	5.8		8.8	8.8		9.8	9.8		10.0	10.0	1.3	1.3		1.3		
20				9.0	9.0		8.8	8.7	0.1	10.1	10.1		10.0	5.8	4.2	1.5		1.5		
21				8.8	8.8		9.0	8.7	0.3	10.2	10.2		10.3	10.3	2.4	2.4		2.4		
22				8.8	8.8		9.6	8.7	0.9	10.1	10.1		10.4	10.4	1.5	1.5		1.5		
23				9.0	9.0		8.7	8.7		9.8	9.8		10.4	10.4	1.8	1.8		1.8		
24				9.0	9.0		8.8	8.8		10.0	10.0		10.3	10.3	3.2	3.2		3.2		
25				9.0	9.0		8.8	8.8		10.1	10.1		10.2	10.2	2.7	2.7		2.7		
26				9.1	9.1		8.8	8.8		10.0	10.0		10.3	10.3	0.8	0.8		0.8		
27				9.0	9.0		9.0	8.9	0.1	10.1	10.1		10.2	10.2	0.7	0.7		0.7		
28				9.1	9.1		8.8	8.8		10.4	10.2	0.2	10.1	10.1	0.3	0.3		0.3		
29							8.8	8.8		9.9	9.9		10.1	10.1	0.2	0.2		0.2		
30							8.8	8.8		10.0	10.0		9.7	9.7						
31							9.0	8.9	0.1				6.1	6.1						
Total				86.4	86.4		275.9	274.2	1.7	299.6	299.2	0.40	310.9	104.6	208.3	98.9			98.9	
Acra-feet						171			547			594			617			196		
Priority Diverted						171			544			593			207					
Apport Diverted									3			1			409			196		
Appor diverted to date									3			4			413			609		
TBI acreage			727.88			727.88			727.88			834.88			834.88			834.88		
Apportioned			4018			4367			4367			5009			5009			5009		
Duty						0.23			0.75			0.59			0.74			0.23		

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				2.8		2.8	3.1		3.1	0.5		0.5			5.9	5.9				
2				6.2	6.2		6.6		6.6	0.4		0.4			8.6	8.6				
3				8.5	4.3	4.2	8.9		8.9	0.3		0.3			5.8	4.9	0.9			
4				8.3	4.3	4.0	7.0		7.0	0.1		0.1			5.5	0.6	4.9			
5				7.5	1.2	6.3	5.4		5.4	0.7		0.7			5.5	4.9	0.6			
6				3.5		3.5	3.0		3.0	0.4		0.4			5.9	5.8	0.1			
7				0.2		0.2				0.6		0.6			5.8	5.8				
8				0.5		0.5				0.1		0.1			5.7	5.7				
9				0.7		0.7				0.3		0.3			5.8	4.3	1.5			
10				1.3		1.3				0.5		0.5			5.5	5.5				
11	4.5		4.5	0.5		0.5				0.3		0.3			5.8	5.8				
12	10.1		10.1	2.4		2.4				0.4		0.4			1.9	1.9				
13	9.8		9.8	2.8		2.8				0.3		0.3								
14	8.4		8.4	3.5		3.5				0.8		0.8								
15	7.1		7.1	5.5	5.5					1.0		1.0								
16	4.3		4.3	6.8	6.8					0.4		0.4								
17	6.2		6.2	4.3	4.3					0.1		0.1								
18	5.3		5.3	3.0	3.0		0.5		0.5	0.2		0.2								
19	2.8		2.8	1.8	1.8		5.5		5.5	0.4		0.4								
20	6.7		6.7	3.8	0.8	3.0	9.7		9.7	0.3		0.3								
21	10.5		10.5	3.5	3.5		9.7		9.7											
22	10.2		10.2	3.8	3.8		9.5		9.5											
23	9.6		9.6	1.8		1.8	6.2		6.2											
24	9.7		9.7	0.7		0.7	4.1		4.1											
25	9.1		9.1	6.8		6.8	4.1		4.1											
26	9.2		9.2	8.1		8.1	2.2		2.2											
27	7.5		7.5	5.4		5.4	0.3		0.3				3.8	3.8						
28	6.1		6.1	4.5		4.5	0.4		0.4				5.8	5.8						
29	6.1		6.1	3.0		3.0	0.5		0.5				6.0	6.0						
30	5.7	5.7		1.2		1.2	0.4		0.4				5.9	5.9						
31	5.3		5.3	1.0		1.0														
Total	154.0	5.7	148.3	114.3	46.3	68.0	87.1	87.1	7.9	7.9	21.5	21.5	65.5	57.5	8.0					
Acra-feet			305			227			173			16			43			130		3018
Priority Diverted			11			92						43			43			114		1775
Apport Diverted			294			135			173			16			16			18		1243
Appor diverted to date			903			1038			1211			1227			1227			1243		1243
TBI acreage			834.88			834.88			834.88			834.88			834.88			834.88		834.88
Apportioned			5009			5009			5009			5009			5009			5009		5009
Duty			0.37			0.27			0.21			0.02			0.05			0.16		3.61

Diversion on North side of Old River in NEKANWA, Sec. 4, T. 19 S., R.21 W., NMPM. Water stage recorder and 6 ft. Parshall flume located in NW48E4, Sec. 34, T.8 N., R.32 E. Record good

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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	69.1	69.1		48.8	48.8		312.5	312.5		337.7	329.5	8.2	323.9	305.9	18.0	153.1	52.4	100.7
2	68.2	68.2		54.1	54.1		322.9	322.0	0.9	341.3	333.0	8.3	319.1	301.2	17.9	154.0	0.3	153.7
3	57.8	57.8		54.7	54.7		332.0	330.9	1.1	339.6	332.0	7.6	312.1	282.8	29.3	149.6		149.6
4	52.6	52.6		54.1	54.1		332.1	332.1		340.5	333.7	6.8	308.2	240.9	67.3	145.5		145.5
5	49.8	49.8		90.2	90.2		338.6	338.6		340.3	332.8	7.5	283.8	293.8		146.0		146.0
6	42.9	42.9		108.3	108.3		341.7	341.7		345.4	334.7	10.7	277.7	200.9	76.8	143.6		143.6
7	37.0	37.0		109.6	109.6		340.0	340.0		348.4	347.9	0.5	272.5	216.0	56.5	133.2		133.2
8	34.8	34.8		115.8	115.8		341.7	341.7		339.1	339.1		276.3	197.3	79.0	122.7		122.7
9	25.4	25.4		117.5	115.6	1.9	341.8	341.8		337.0	337.0		281.1	197.3	83.8	121.8		121.8
10	37.2	37.2		117.9	117.9		339.9	339.9		336.2	336.2		284.0	197.3	86.7	120.4		120.4
11	47.3	47.3		123.4	123.4		335.9	335.9		332.6	332.6		280.3	173.3	106.8	109.7		109.7
12	50.7	50.7		125.0	125.0		338.8	338.8		328.1	328.1		261.7	196.3	65.4	108.2		108.2
13	44.7	44.7		125.1	125.1		339.4	339.4		339.2	339.2		248.9	174.3	72.8	109.7		109.7
14	41.2	41.2		124.9	124.9		340.9	340.9		337.8	337.8		236.7	163.1	71.6	107.8		107.8
15	25.5	25.5		131.7	131.7		340.0	340.0		329.0	329.0		236.7	162.7	74.0	109.0		109.0
16	6.3	6.3		135.0	135.0		340.4	340.4		318.8	318.8		216.5	165.6	50.9	99.3		99.3
17				137.6	137.6		340.1	340.1		317.2	317.2		194.1	126.8	67.3	92.6		92.6
18				139.5	139.5		340.4	340.4		320.5	320.5		182.8	97.0	85.8	91.7		91.7
19				186.5	186.5		340.6	340.6		321.9	316.4	5.5	178.6	97.0	81.6	94.5		94.5
20				204.9	204.9		338.4	331.0	7.4	322.8	318.7	4.1	181.5	97.0	84.5	91.4		91.4
21				201.6	201.6		338.5	314.4	24.1	322.8	317.1	5.7	179.2	139.8	39.4	90.9		90.9
22				216.9	216.9		339.5	322.0	17.5	320.9	315.5	5.4	173.2	78.9	94.3	91.3		91.3
23				237.2	237.2		339.5	304.3	35.2	321.4	315.9	5.5	189.2	84.6	104.6	85.5		85.5
24				242.7	242.7		341.7	324.2	17.5	324.1	318.6	5.5	195.4	84.6	110.8	79.0		79.0
25				242.2	242.2		342.6	333.5	9.1	324.6	319.5	5.1	194.2	84.6	109.6	72.6		72.6
26				284.0	284.0		342.4	333.2	9.2	323.4	317.9	5.5	198.0	69.8	128.2	77.5		77.5
27				304.4	304.4		343.3	333.9	9.4	327.1	321.6	5.5	211.1	84.6	126.5	73.7		73.7
28				313.4	313.4		345.8	334.0	11.8	327.6	321.9	5.7	208.6	59.7	148.9	71.9		71.9
29							345.4	333.1	12.3	325.1	320.0	5.1	193.4	68.7	124.7	71.2		71.2
30	12.3	12.3					343.6	333.3	10.3	325.8	307.3	18.5	197.8	51.9	145.9	70.9		70.9
31	31.5	31.5					338.0	329.0	9.0				183.6	62.2	121.4			
Total	734.3	734.3		4346.8	4344.9	1.9	10488.4	10323.6	174.8	9916.2	9789.5	126.7	7288.2	4758.1	2530.1	3188.3	52.7	3135.6
Acra-feet		1456			8622			20824			19669			14456			6324	
Priority Diverted		1456			8619			20477			19417			9437			105	
Apport Diverted					4			348			251			5018			6220	
Appor diverted to date					4			4			603			5821			11841	
TBI acreage		27719.76			27878.50			27888.50			27996.60			28003.20			28017.20	
Apportioned		153013			167271			167331			167980			168019			168103	
Duty		0.05			0.31			0.73			0.71			0.52			0.22	

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	63.1		63.1	151.1	13.7	137.4	197.6	144.0	53.6	67.8		87.8	94.1	94.1	113.2	113.2			
2	58.9		58.9	202.3	72.8	129.5	214.3	42.8	171.5	83.9		83.9	97.0	94.5	2.5	112.9	112.9		
3	58.7		58.7	201.5	201.5		218.1	42.8	175.3	83.1		83.1	98.8	98.8		108.1	108.1		
4	55.1		55.1	197.7	154.0	43.7	202.1	89.3	112.8	85.5		85.5	102.1	97.6	4.5	106.8	101.6	5.2	
5	52.0		52.0	175.3	132.8	42.5	180.6	84.2	96.4	89.3		89.3	101.4	96.9	4.5	109.0	76.3	32.7	
6	41.5		41.5	125.8	121.6	4.2	121.2	36.8	84.4	91.2		91.2	102.6	96.6	6.0	111.2	101.2	10.0	
7	38.7		38.7	117.6	20.4	97.2	111.5		111.5	94.9		94.9	112.1	105.7	6.4	115.5	106.9	6.6	
8	43.5		43.5	139.1		139.1	107.0		107.0	93.1		93.1	118.5	109.6	8.7	108.3	94.9	13.4	
9	53.3		53.3	150.0		150.0	101.9		101.9	91.1		91.1	116.0	110.8	5.4	101.7	93.3	8.4	
10	87.3	60.9	26.4	144.8		144.8	100.0		100.0	87.8		87.8	118.1	118.1		103.3	85.3	18.0	
11	133.4	116.6	16.8	160.2		160.2	84.2		84.2	93.6		93.6	119.8	119.2	0.6	97.1	91.7	5.4	
12	138.4	0.8	137.6	169.5		169.5	77.3		77.3	92.7		92.7	120.9	120.9		96.3	96.3		
13	109.7		109.7	179.1	20.4	158.7	77.1	36.8	40.3	83.9		83.9	120.3	120.3		90.9	90.9		
14	92.7		92.7	224.8	89.3	135.5	79.0		79.0	90.4		90.4	110.9	110.9		94.8	94.8		
15	82.1		82.1	288.6	29.7	258.9	81.5		81.5	92.2		92.2	113.1	113.1		96.7	96.7		
16	77.0		77.0	296.0	288.1	7.9	101.3	29.7	71.6	100.7		100.7	114.5	114.5		96.8	96.8		
17	68.2		68.2	304.6	304.6		131.6	6.8	125.0	98.4		98.4	118.7	118.7		84.1	82.1	2.0	
18	44.9		44.9	318.6	312.7	5.9	140.1		140.1	86.0		86.0	120.8	120.8		76.9	54.3	22.6	
19	42.9		42.9	318.7	313.1	5.6	149.2	20.4	128.8	84.3		84.3	120.0	120.0		78.6	59.1	19.5	
20	47.5		47.5	314.0	201.8	112.2	150.4		150.4	84.7		84.7	120.2	120.2		84.6	66.5	18.1	
21	55.0		55.0	315.4	121.6	193.8	156.7	72.8	83.9	85.4		85.4	121.7	121.7		81.2	71.1	10.1	
22	51.5		51.5	321.5	153.7	167.8	148.0	101.4	46.6	89.7		89.7	125.2	125.2		79.7	79.7		
23	48.4		48.4	316.7	243.1	73.6	134.1	61.6	72.5	96.8		96.8	125.2	125.2		79.6	79.6		
24	41.7		41.7	304.5	42.8	261.7	127.7	52.4	75.3	96.4		96.4	126.9	126.9		95.0	94.4	0.6	
25	28.2		28.2	236.8	72.8	164.0	123.1	20.4	102.7	95.1		95.1	129.0	129.0		87.8	87.8		
26	22.1		22.1	211.9		211.9	121.2	20.4	100.8	94.7		94.7	127.6	127.6		90.2	70.0	20.2	
27	19.8		19.8	179.5	6.6	172.9	118.9	6.6	112.3	97.8		97.8	116.6	116.6		97.5	59.7	37.8	
28	8.9		8.9	165.1		165.1	101.0		101.0	99.3		99.3	113.6	113.6		101.9	64.6	37.3	
29	0.5		0.5	155.6		155.6	99.0	20.4	78.6	96.5		96.5	113.5	113.5		112.8	68.2	43.4	
30	0.7		0.7	174.8		174.8	93.2		93.2	97.9		97.9	113.3	113.3		118.8	85.7	33.1	
31	85.2	85.2		166.7		166.7				96.6		96.6				104.5	104.5		
Total	1746.9	283.5	1463.4	6727.6	2917.1	3810.5	3828.9	869.4	2959.5	2850.4	559.2	2291.2	3452.5	3413.9	38.6	3035.6	2691.2	344.4	
Acra-feet		3465			13344			7595		5654			6848			6021		114281	
Priority Diverted		523			5787			1724		1109			6773			5338		80785	
Apport Diverted		2943			7559			5869		4544			77			683		33516	
Appor diverted to date		14784			22343			22312											

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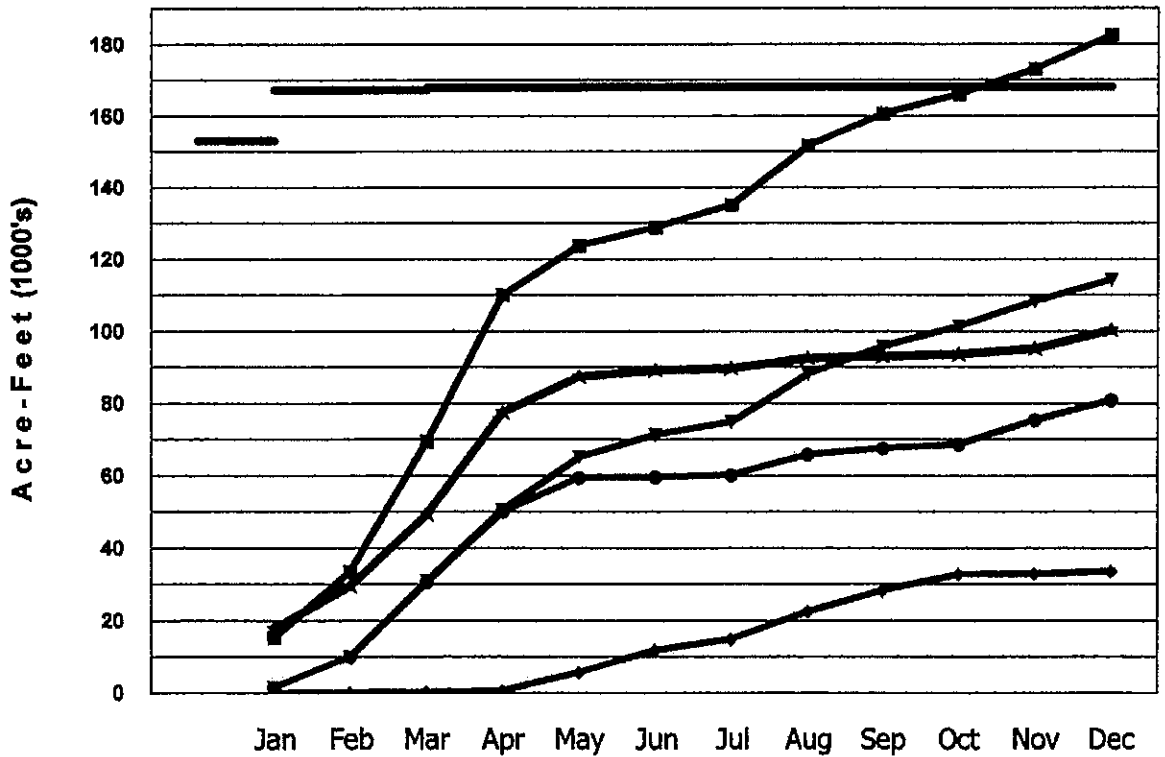
MASS DIAGRAM OF SAFFORD VALLEY

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	Apportioned Diversions			
JAN	15,386	15,386	1,456	1,456		163,013	17,852	17,852
FEB	18,147	33,533	10,078	10,074	4	167,271	29,543	11,691
MAR	35,889	69,422	30,902	30,550	352	167,331	49,320	19,777
APR	40,672	110,094	50,571	49,968	603	167,980	77,418	28,098
MAY	13,682	123,776	65,027	59,406	5,621	168,019	87,399	9,981
JUN	5,082	128,858	71,351	59,510	11,841	168,103	89,143	1,744
JUL	6,383	136,241	74,816	60,032	14,784	168,103	89,749	606
AUG	16,476	151,716	88,160	65,817	22,343	168,103	92,502	2,753
SEP	8,771	160,487	95,755	67,543	28,212	168,102	92,964	462
OCT	5,652	166,039	101,409	68,653	32,756	168,102	93,574	610
NOV	7,051	173,090	108,257	75,424	32,833	168,102	95,250	1,676
DEC	9,332	182,422	114,281	80,765	33,516	168,102	100,387	5,137

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



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

2001

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										11.7	11.7		12.2	12.2		5.9	2.8	3.1
2							5.2	5.2		11.7	11.7		12.3	12.3		4.9		4.9
3							7.5	7.5		12.1	12.1		12.3	12.3		5.0		5.0
4							11.0	11.0		12.3	12.3		12.3	12.3		5.0		5.0
5							12.3	12.3		12.3	12.3		12.3	12.3		5.0		5.0
6							12.3	12.3		12.7	12.7		12.2	10.2	2.0	5.0		5.0
7							12.3	12.3		12.8	12.8		11.9	11.9		4.5		4.5
8							12.3	12.3		12.2	12.2		11.9	10.2	1.7	4.1		4.1
9							12.3	12.3		11.9	11.9		12.2	10.2	2.0	4.3		4.3
10							12.3	12.3		12.1	12.1		12.3	10.2	2.1	4.0		4.0
11	1.5	1.5					12.4	12.4		12.2	12.2		12.3	7.2	5.1	3.8		3.8
12	5.0	5.0					12.5	12.5		12.3	12.3		12.3	10.2	2.1	3.6		3.6
13	7.2	7.2					12.5	12.5		12.2	12.2		12.3	9.4	2.9	3.5		3.5
14	7.1	7.1					12.5	12.5		12.0	12.0		12.3	8.9	3.4	3.5		3.5
15	4.1	4.1					12.4	12.4		11.9	11.9		12.3	8.9	3.4	3.5		3.5
16							12.3	12.3		12.3	12.3		12.5	10.2	2.3	3.2		3.2
17							12.2	12.2		12.3	12.3		12.4	9.4	3.0	2.9		2.9
18							12.2	12.2		12.3	12.3		12.2	4.6	7.6	2.8		2.8
19							12.3	12.3		12.3	12.3		12.1	4.6	7.5	2.8		2.8
20							12.1	12.1		12.3	12.3		12.3	4.6	7.7	2.7		2.7
21							11.9	11.9		12.3	12.3		12.4	10.2	2.2	2.7		2.7
22							11.9	11.9		12.3	12.3		11.1	4.0	7.1	2.4		2.4
23							11.9	11.9		12.3	12.3		7.9	4.0	3.9	2.6		2.6
24							11.9	11.9		12.1	12.1		7.7	4.0	3.7	3.2		3.2
25							12.3	12.3		12.2	12.2		7.7	4.0	3.7	3.1		3.1
26							12.7	12.5	0.2	12.3	12.3		7.6	3.7	3.9	2.5		2.5
27							12.7	12.5	0.2	12.3	12.3		7.6	4.0	3.6	2.3		2.3
28							12.9	12.5	0.4	12.3	12.3		10.4	3.1	7.3	2.4		2.4
29							12.9	12.5	0.4	12.2	12.2		11.5	3.7	7.8	2.4		2.4
30							12.6	12.5	0.1	12.1	12.1		12.0	2.8	9.2	2.2		2.2
31							11.7	11.7					10.6	2.8	7.8			
Total	24.9	24.9					356.3	355.0	1.3	366.3	366.3		351.4	238.4	113.0	105.6	2.8	102.8
Acra-feet		49						707			727			697			209	
Priority Diverted		49						704			727			473			6	
Apport Diverted								3						224			204	
Appor diverted to date								3			3			227			431	
TBI acreage	963.93			1029.33			1029.33			1029.33			1029.33			1029.33		
Apportioned	5726			6176			6176			6176			6176			6176		
Duty	0.05			0.00			0.69			0.71			0.68			0.20		

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	2.2		2.2	8.8	9.8	6.0	8.3	8.5	1.8	3.7	3.7	3.7	3.7	3.7					
2	2.1		2.1	9.6	3.7	5.9	9.3	2.3	7.0	3.7		3.7	3.5	3.5					
3	2.0		2.0	11.2	11.2		9.7	2.3	7.4	4.3		4.3	3.3	3.3					
4	2.2		2.2	10.9	6.7	4.2	11.2	4.0	7.2	4.5		4.5	3.3	3.3					
5	2.2		2.2	9.8	6.7	3.2	8.1	3.7	4.4	5.0		5.0	3.3	3.3					
6	2.0		2.0	7.9	6.5	1.4	5.2	2.0	3.2	6.7		6.7	3.8	3.8					
7	1.8		1.8	6.0	0.9	5.1	4.3	4.3	4.3	6.1		6.1	4.2	4.2					
8	2.1		2.1	5.4		5.4	4.8	4.8	4.8	4.8		4.8	3.4	3.4					
9	2.9		2.9	5.1		5.1	5.2	5.2	4.6	4.6		4.6							
10	4.0	3.1	0.9	4.7		4.7	4.9	4.9	4.9	4.6		4.6							
11	5.1	5.1		5.2		5.2	4.1		4.1	4.4		4.4							
12	4.9		4.9	5.7		5.7	3.2		3.2	4.3		4.3							
13	4.4		4.4	8.0	0.9	7.1	3.1	2.0	1.1	4.2		4.2							
14	3.4		3.4	10.7	4.0	6.7	3.2		3.2	1.7		1.7							
15	3.2		3.2	12.6	1.6	11.0	3.2		3.2										
16	2.7		2.7	11.7	11.7		3.6	1.6	2.0										
17	2.6		2.6	12.5		12.5	3.6	0.4	3.2										
18	2.5		2.5	12.4	12.4		3.7		3.7										
19	2.2		2.2	11.8	11.8		3.7	0.9	2.8										
20	2.0		2.0	11.8	10.2	1.4	4.9		4.9										
21	2.2		2.2	12.9	5.0	7.9	7.4	3.7	3.7							4.8	4.8		
22	2.8		2.8	12.6	6.7	5.9	7.1	4.6	2.5							7.6	7.6		
23	2.9		2.9	12.3	12.3		6.8	3.1	3.7							7.5	7.5		
24	2.4		2.4	12.3	2.3	10.0	5.6	2.8	2.8							7.4	7.4		
25	1.5		1.5	11.9	3.7	8.2	6.0	0.9	5.1							7.4	7.4		
26	1.0		1.0	11.5		11.5	4.9	0.9	4.0							7.4	7.4		
27	0.9		0.9	9.3	0.4	8.9	4.4	0.4	4.0	3.5	3.5					7.1	6.7	0.4	
28	0.5		0.5	7.0		7.0	5.6		5.6	4.3	4.3					7.5	6.7	0.8	
29				7.0		7.0	5.4	0.9	4.5	3.7	3.7					6.0	5.3	2.7	
30				7.3		7.3	4.7		4.7	3.7	3.7					9.2	7.2	2.0	
31	3.6	3.6		6.8		6.8				3.7	3.7					9.9	9.9		
Total	74.3	11.8	62.5	290.6	132.0	158.6	185.2	43.0	122.2	89.5	18.9	61.6	28.5	28.5		63.8	77.9	5.9	
Acra-feet		147			576			328			180			57			186	3824	
Priority Diverted		23			262			85			37			57			155	2578	
Apport Diverted		124			315			242			122						12	1246	
Appor diverted to date					870			1112			1234						1246	1246	
TBI acreage	1029.33			1029.33			1029.33			1029.33			1029.33			1029.33		1029.33	
Apportioned	6176			6176			6176			6176			6176			6176		6176	
Duty	0.14			0.56			0.32			0.15			0.06			0.16		3.72	

Diversion from North side of Olla River in NEKANEY, Sec. 30, T.68, R.28E. Water-stage recorder and 3 ft Parshall flume located in NEKANEY, Sec.31, T.68, R.28E. Record good

2001

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							40.9	40.9		48.9	48.9	0.2	46.9	46.2	0.7	21.9	13.4	8.6
2							41.6	41.6		48.9	48.9	0.2	46.9	46.2	0.7	21.9		21.9
3							43.2	43.2		48.9	48.9	0.2	46.9	42.9	3.0	21.9		21.9
4							41.6	41.6		48.9	48.9	0.2	46.9	31.7	14.2	21.1		21.1
5				8.7	8.7		44.7	44.7		44.4	44.4		42.3	42.3		21.8		21.8
6				13.8	13.8		46.9	46.9		44.4	44.4		26.1	26.4	2.7	21.1		21.1
7				13.4	13.4		46.9	46.9		44.9	44.9		26.0	26.0		19.1		19.1
8				13.8	13.8		46.9	46.9		43.9	43.9		26.0	24.7	0.3	17.8		17.8
9				14.0	14.0		46.9	46.9		43.9	43.9		26.1	24.7	0.4	17.8		17.8
10	12.4	12.4		13.9	13.9		46.9	46.9		43.9	43.9		26.0	24.7	0.3	17.1		17.1
11	17.8	17.8		12.8	12.8		46.9	46.9		46.3	46.3		26.0	22.7	2.9	16.7		16.7
12	17.6	17.6		12.6	12.6		46.9	46.9		46.9	46.9		26.4	26.4		16.7		16.7
13	17.6	17.6		12.6	12.6		46.9	46.9		46.9	46.9		26.4	23.7	1.7	16.7		16.7
14	16.8	16.8		12.6	12.6		46.9	46.9		46.9	46.9		26.0	22.7	1.3	16.7		16.7
15	16.9	16.9		12.6	12.6		46.9	46.9		46.9	46.9		26.0	22.7	1.3	16.7		16.7
16	6.3	6.3		12.7	12.7		46.9	46.9		46.9	46.9		26.3	24.7	0.6	16.2		16.2
17				12.6	12.6		46.9	46.9		46.9	46.9		26.0	23.7	1.3	14.4		14.4
18				12.6	12.6		46.9	46.9		46.9	46.9		26.0	20.0	6.0	14.4		14.4
19				16.1	16.1		46.9	46.9	0.2	46.9	46.9	0.2	26.3	20.0	6.3	14.4		14.4
20				14.6	14.6		46.9	46.9	0.3	46.9	46.9	0.2	26.6	20.0	6.6	14.4		14.4
21				12.6	12.6		46.9	46.1	0.8	46.9	46.9	0.2	26.0	26.0		14.4		14.4
22				16.3	16.3		46.9	46.1	0.8	46.9	46.9	0.2	26.0	17.7	7.3	14.4		14.4
23				17.6	17.6		46.9	43.8	2.1	46.9	46.9	0.2	26.0	17.7	7.3	14.4		14.4
24				17.6	17.6		46.9	46.1	0.8	46.9	46.9	0.2	26.0	17.7	7.3	13.7		13.7
25				17.6	17.6		46.9	46.6	0.3	46.9	46.9	0.2	26.0	17.7	7.3	13.4		13.4
26				29.7	29.7		46.1	46.6	0.6	46.9	46.9	0.2	26.0	16.7	8.3	13.4		13.4
27				33.7	33.7		46.3	46.6	0.7	46.9	46.9	0.2	26.0	17.7	7.3	12.6		12.6
28				39.3	39.3		46.6	46.6	1.2	46.9	46.9	0.2	26.0	14.4	10.6	12.3		12.3
29							46.6	46.6	1.2	46.9	46.9	0.2	26.0	16.7	8.3	12.3		12.3
30							46.2	46.6	0.6	46.9	46.9	0.7	26.0	13.3	11.7	12.3		12.3
31							46.9	46.6	0.3				23.6	13.3	10.2			
Total	103.7	103.7		393.4	393.4		1406.1	1396.6	9.6	1366.4	1366.4	3.70	890.6	747.3	133.2	490.1	13.4	476.7
Acres-feet		206			780			2789			2710			1746			972	
Priority Diverted		206			780			2774			2710			1482			27	
Apport Diverted								19			7			264			346	
Apport diverted to date								19			26			290			1236	
TBI average		3673.86			3673.86			3673.86			2799.6			3660.78			3684.76	
Apportioned		22043			22043			22043			16798			22068			22199	
Duty		0.08			0.21			0.76			1.29			-0.08			0.26	

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	12.3		12.3	22.2	3.4	18.8	22.9	21.2	1.7	21.2		21.2	17.8	17.8		26.0	26.0		
2	11.4		11.4	26.3	16.7	9.6	26.3	12.3	13.0	21.2		21.2	17.8	17.8		26.0	26.0		
3	12.1		12.1	27.3	27.3		26.6	12.3	14.2	21.2		21.2	21.8	21.8		26.0	26.0		
4	11.8		11.8	26.4	22.8	3.6	26.6	17.8	8.7	21.2		21.2	20.0	20.0		26.0	24.8	0.2	
5	11.8		11.8	26.9	22.3	3.6	26.0	16.7	9.3	21.2		21.2	20.2	20.2		26.1	21.2	3.9	
6	12.3		12.3	22.2	21.2	1.0	21.2	10.0	11.2	21.2		21.2	20.6	20.6		26.1	24.8	0.3	
7	12.3		12.3	21.2	6.7	14.5	20.0	20.0	20.0	21.2		21.2	21.2	21.2		26.1	26.1		
8	12.9		12.9	21.2		21.2	20.0	20.0	20.0	21.2		21.2	21.8	21.8		26.1	26.1		
9	13.4		13.4	21.2		21.2	20.0	20.0	20.0	21.2		21.2	22.0	22.0		26.1	26.1		
10	17.1	14.4	2.7	21.2		21.2	20.0	20.0	20.0	21.2		21.2	22.2	22.2		26.2	24.6	0.4	
11	20.6	20.6		21.8		21.8	17.9	17.9	17.9	21.2		21.2	22.7	22.7		26.6	26.6		
12	20.0		20.0	21.9		21.9	16.9	16.9	16.9	21.2		21.2	22.6	22.6		26.4	26.4		
13	18.0		18.0	23.3	6.7	16.6	17.0	10.0	7.0	21.2		21.2	22.4	22.4		26.0	26.0		
14	16.7		16.7	27.7	17.8	9.9	17.6	17.6	17.6	21.2		21.2	22.6	22.6		30.9	30.9		
15	16.4		16.4	41.9	8.9	33.0	18.0	18.0	18.0	21.2		21.2	22.8	22.8		33.7	33.7		
16	14.4		14.4	46.2	46.9	0.3	16.9	8.9	10.0	30.2		30.2	22.6	22.6		33.7	33.7		
17	14.1		14.1	46.2	46.2	0.0	20.8	1.1	19.7	27.9		27.9	24.1	24.1		27.6	27.1	0.4	
18	13.4		13.4	46.2	46.9	0.3	22.1		22.1	21.8		21.8	24.8	24.8		26.0	21.2	3.8	
19	13.4		13.4	46.2	46.9	0.3	29.9	6.7	23.2	21.2		21.2	24.9	24.9		26.0	22.8	2.2	
20	13.4		13.4	46.2	26.6	20.7	34.0		34.0	21.2		21.2	24.6	24.6		26.0	22.6	2.2	
21	13.4		13.4	46.2	21.2	25.0	33.6	16.7	17.1	21.2		21.2	24.9	24.9		19.7	19.7		
22	13.4		13.4	46.2	22.3	23.9	33.6	20.0	13.9	21.6		21.6	26.0	26.0		18.1	18.1		
23	13.4		13.4	46.2	30.7	15.5	27.3	14.4	12.9	21.8		21.8	21.6	26.0	26.0	18.0	18.0		
24	11.4		11.4	46.2	12.3	33.9	22.9	13.4	9.5	21.9		21.9	26.0	26.0		18.1	18.1		
25	8.1		8.1	36.1	16.7	19.4	22.3	6.7	15.6	21.9		21.9	26.0	26.0		17.6	17.6		
26	6.9		6.9	26.4		26.4	21.9	6.7	14.9	19.2		19.2	26.0	26.0		14.9	14.9		
27	7.0		7.0	24.7	1.1	23.6	22.6	1.1	21.5	17.8		17.8	26.0	26.0		16.1	16.1		
28	2.8		2.8	22.8		22.8	22.7		22.7	17.9		17.9	26.0	26.0		16.7	16.7		
29				21.9		21.9	21.7	6.7	16.0	18.1		18.1	26.0	26.0		17.6	17.6		
30				21.2		21.2	21.2		21.2	18.4		18.4	26.0	26.0		17.6	17.6		
31	13.3	13.3		21.2		21.2			17.9							17.8	17.8		
Total	376.0	48.2	327.8	963.8	467.6	496.3	691.3	202.7	486.6	666.3	106.3	546.0	689.6	689.6		720.3	708.9	13.4	
Acres-feet		746			1912			1371			1300			1368			1429		17340
Priority Diverted		96			927			402			217			1368			1402		12391
Apport Diverted		650			984			969			1083						27		4949
Apport diverted to date								3639			4922			4922			4849		4949
TBI average		3684.76			3684.76			3694.48			3694.48			3694.48			3684.48		3694.48
Apportioned		22169			22169			22167			22167			22167			22167		22167
Duty		0.20			0.62			0.37			0.36			0.37			0.39		4.86

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2001

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							2.4	2.4		2.4	2.4		2.4	2.4					
2							2.4	2.4		2.4	2.4		2.4	2.4					
3							2.4	2.4		2.4	2.4		2.4	2.4					
4							2.4	2.4		2.4	2.4		2.4	2.4					
5							2.4	2.4		2.4	2.4		2.4	2.4					
6							2.4	2.4		2.4	2.4		2.4	2.4					
7							2.4	2.4		2.4	2.4		2.4	2.4					
8							2.4	2.4		2.4	2.4		2.4	2.4					
9							2.4	2.4		2.4	2.4		2.4	2.4					
10							2.4	2.4		2.4	2.4		2.4	2.4					
11							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
12							2.4	2.4		2.4	2.4		2.4	2.4					
13							2.4	2.4		2.4	2.4		2.4	2.4					
14							2.4	2.4		2.4	2.4		2.4	2.4					
15							2.4	2.4		2.4	2.4		2.4	2.4					
16							2.4	2.4		2.4	2.4		2.4	2.4					
17							2.4	2.4		2.4	2.4		2.4	2.4					
18							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
19							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
20							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
21							2.4	2.4		2.4	2.4		2.4	2.4					
22							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
23							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
24							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
25							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
26				1.8	1.8		2.4	2.4		2.4	2.4		2.4	2.4		2.4			
27				2.4	2.4		2.4	2.4		2.4	2.4		2.4	2.4		2.4			
28				2.4	2.4		2.4	2.4		2.4	2.4		2.4	2.4		2.4			
29							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
30							2.4	2.4		2.4	2.4		2.4	2.4		2.4			
31							2.4	2.4		2.4	2.4		0.8	0.8		0.8			
Total				6.6	6.6		74.4	74.4		72.0	72.0		72.8	40.8	32.0				
Acres-feet					13			148			143			144					
Priority Diverted					13			148			143			81					
Apport Diverted														63					
Apport diverted to date														63				63	
TBI acreage	189.60			189.60			189.60			189.60			189.60			189.60		189.60	
Apportioned	1047			1138			1138			1138			1138			1138		1138	
Duty				0.07			0.78			0.75			0.76						

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							1.8			1.8						2.4	2.4		
2				1.5		1.5	2.4			2.4						2.4	2.4		
3				2.4	2.4		2.4			2.4						2.4	2.4		
4				2.4		2.4	2.4			2.4						2.4	2.4		
5				2.4		2.4	0.9			0.9						2.4		2.4	
6				1.0		1.0										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				1.5		1.5										2.4	2.4		
14				2.4		2.4										2.4	2.4		
15				2.4		2.4										2.4	2.4		
16				2.4	2.4											2.4	2.4		
17				2.4	2.4											2.4	2.4		
18				2.4	2.4								1.8	1.8		2.4	2.4		
19				2.4	2.4		1.8		1.8				2.4	2.4		2.4	2.4	2.4	
20				2.4	2.4		2.4		2.4				2.4	2.4		2.4	2.4	2.4	
21				2.4		2.4	2.4		2.4				2.4	2.4		2.4	2.4		
22				2.4		2.4	2.4		2.4				2.4	2.4		2.4	2.4		
23				2.4	2.4		2.4		2.4				2.4	2.4		2.4	2.4		
24				2.4		2.4	0.9		0.9				2.4	2.4		2.4	2.4		
25				0.9		0.9							2.4	2.4		2.4	2.4		
26													2.4	2.4		2.4	2.4		
27													2.4	2.4		2.4	2.4		2.4
28													2.4	2.4		2.4	2.4		2.4
29													2.4	2.4		2.4	2.4		2.4
30													2.4	2.4		2.4	2.4		2.4
31													2.4	2.4		2.4	2.4		2.4
Total				38.5	16.8	21.7	21.8		21.8				32.8	32.8		74.4	55.2	10.2	
Acres-feet					76			43						65			148		779
Priority Diverted					33									65			109		592
Apport Diverted					43			43									38		187
Apport diverted to date					106			149			149			149			187		187
TBI acreage	189.60			189.60			189.60			189.60			189.60			189.60			189.60
Apportioned	1138			1138			1138			1138			1138			1138			1138
Duty					0.40			0.23						0.34			0.78		4.11

2001

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	17.5	17.5					43.2	43.2		46.8	46.8		45.5	45.5		19.8	16.0	3.8
2	17.5	17.5					43.5	43.5		47.9	47.6	0.3	44.3	44.3		19.3	0.3	19.0
3	17.5	17.5					44.4	44.4		47.1	47.1		44.4	44.4		18.7		18.7
4	17.9	17.9					42.9	42.9		47.0	47.0		43.5	37.4	6.1	18.0		18.0
5	15.1	15.1					44.9	44.9		46.3	46.3		33.8	33.8		18.9		18.9
6	18.8	18.8					47.9	47.9		48.5	47.6	0.9	32.4	24.8	7.8	16.4		16.4
7	20.3	20.3					46.3	46.3		49.0	48.7	0.3	30.7	29.7	1.0	18.0		18.0
8	18.0	18.0					47.4	47.4		47.0	47.0		33.0	24.2	8.8	17.5		17.5
9	16.9	16.9					47.8	47.8		45.1	45.1		33.8	24.2	9.6	16.2		16.2
10	17.5	17.5					46.6	46.6		45.2	45.2		33.4	24.2	9.2	17.0		17.0
11	17.5	17.5		6.4	6.4		46.3	46.3		42.6	42.6		31.4	21.8	9.8	17.2		17.2
12	17.5	17.5		8.7	8.7		45.6	45.6		45.9	45.9		34.0	24.6	9.4	16.1		16.1
13	17.5	17.5		8.7	8.7		46.3	46.3		46.7	46.7		34.0	23.0	11.0	14.3		14.3
14	17.5	17.5		8.6	8.6		46.7	46.7		45.8	45.8		33.2	22.4	10.8	14.2		14.2
15	5.8	5.5		8.8	8.8		46.1	46.1		45.4	45.4		33.7	22.4	11.3	15.7		15.7
16				9.0	9.0		45.8	45.8		44.1	44.1		34.0	23.8	10.2	15.9		15.9
17				12.3	12.3		45.7	45.7		43.0	43.0		31.5	23.0	8.5	14.2		14.2
18				13.8	13.8		45.8	45.8		46.0	46.0		32.0	18.1	13.9	13.3		13.3
19				21.0	21.0		45.8	45.8		47.4	47.4		34.0	18.1	15.9	15.2		15.2
20				19.4	19.4		45.8	45.8		47.8	47.7	0.1	35.2	18.1	17.1	16.2		16.2
21				18.6	18.6		45.3	45.3		47.8	47.6	0.2	33.8	24.6	9.0	15.7		15.7
22				29.3	29.3		45.1	45.1		47.5	47.5		31.2	17.7	13.5	14.3		14.3
23				30.9	30.9		46.5	46.5		47.9	47.6	0.3	29.1	17.7	11.4	14.8		14.8
24				30.5	30.5		47.3	47.3		47.9	47.6	0.3	29.5	17.7	11.8	15.0		15.0
25				31.1	31.1		48.0	47.8	0.4	47.6	47.6		30.8	17.7	13.1	14.8		14.8
26				36.0	36.0		48.3	47.6	0.7	47.1	47.1		29.9	17.3	12.6	16.2		16.2
27				37.8	37.8		48.5	47.8	0.9	46.8	46.8		30.0	17.7	12.3	15.3		15.3
28				40.5	40.5		48.9	47.6	1.3	47.8	47.6	0.2	23.1	16.3	6.8	14.4		14.4
29							48.9	47.6	1.3	46.6	46.6		16.2	16.2		14.2		14.2
30							48.3	47.6	0.7	45.9	45.9		22.0	16.0	6.0	13.3		13.3
31							47.6	47.6					25.3	16.0	9.3			
Total	252.3	252.3		369.4	369.4		1437.3	1432.0	5.3	1397.7	1395.1	2.6	1008.3	742.3	266.0	480.1	16.3	463.8
Acra-feet		500			733			2851			2772			2000			952	
Priority Diverted		500			733			2840			2767			1472			32	
Apport Diverted								11			5			528			920	
Apport diverted to date								11			16			544			1464	
TBI acreage	3832.98			3898.18			3898.18			3898.18			3898.18			3898.18		
Apportioned	21158			23389			23389			23389			23389			23389		
Duty	0.13			0.19			0.73			0.71			0.51			0.24		

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	13.0			13.0	18.1	5.2	12.9	17.7	17.7	6.5	15.1	15.1	6.3	15.1	15.1	16.3	16.3		
2	13.8			13.6	29.1	17.3	11.8	21.8	15.2	6.4	6.3	6.3	15.0	15.0	16.3	16.3			
3	14.3			14.3	20.5	20.5		20.9	15.2	5.7	6.2	6.2	15.3	15.3	17.1	17.1			
4	14.1			14.1	20.5	20.5		22.8	17.7	4.9	5.9	5.9	15.5	15.5	17.5	17.5			
5	13.4			13.4	22.7	20.6	2.1	24.8	17.3	7.3	5.9	5.9	15.8	15.8	17.6	17.6			
6	13.1			13.1	19.9	19.9		19.3	12.1	7.2	6.0	6.0	13.4	13.4	17.6	17.6			
7	12.9			12.9	17.1	6.4	10.7	17.7	17.7	6.3	6.3	14.8	14.8	17.6	17.6				
8	13.9			13.9	16.3			16.3	16.4	5.8	5.8	15.9	15.9	17.6	17.6				
9	15.8			15.8	18.1			18.1	15.8	6.0	6.0	16.4	16.4	17.6	17.6				
10	15.8	15.8		15.8	18.4			18.4	14.4	6.1	6.1	16.7	16.7	17.6	17.6				
11	14.1	14.1		14.1	20.8			20.8	18.3	6.0	6.0	17.1	17.1	11.8	11.8				
12	18.1	0.8		17.3	19.5			19.5	17.4	5.9	5.9	16.7	16.7	8.8	8.8				
13	16.4			16.4	19.7	6.4	13.3	17.5	12.1	5.4	5.8	5.8	16.4	16.4	15.0	15.0			
14	16.7			16.7	29.2	17.7	11.5	18.1		6.6	6.6	16.3	16.3	17.5	17.5				
15	15.8			15.8	34.8	10.1	24.7	18.5		13.2	13.2	16.1	16.1	17.5	17.5				
16	15.0			15.0	28.8	28.8		17.8	10.1	7.7	11.4	11.4	15.9	15.9	17.5	17.5			
17	14.0			14.0	39.1	39.1		17.9	2.3	15.8	15.8	15.8	16.1	16.1	11.3	11.3			
18	14.4			14.4	45.6	45.6		19.7		19.7	16.3	16.3	16.1	16.1	8.7	8.7			
19	14.3			14.3	45.9	45.9		26.7	6.4	20.3	15.0	15.0	15.9	15.9	8.7	8.7			
20	14.2			14.2	44.7	24.6	20.1	24.8		24.8	15.5	15.5	15.9	15.9	8.8	8.8			
21	14.3			14.3	47.4	18.5	28.9	20.4	17.3	3.1	15.7	15.7	15.8	15.8	2.6	2.6			
22	12.0			12.0	46.6	20.6	26.0	20.0	18.1	1.9	16.0	16.0	15.8	15.8					
23	14.7			14.7	44.9	36.4	8.5	20.5	16.3	4.2	16.3	16.3	16.0	16.0					
24	13.7			13.7	43.0	15.2	27.8	19.9	16.0	3.9	16.3	16.3	15.8	15.8					
25	8.8			8.8	33.5	17.3	16.2	20.4	6.4	14.0	16.3	16.3	17.5	17.5					
26	6.5			6.5	28.8			28.8	18.3	6.4	11.9	15.7	15.7	17.1	17.1				
27	6.6			6.6	23.6	2.3	21.3	19.8	2.3	17.5	15.3	15.3	16.5	16.5					
28	2.5			2.5	19.0			19.0	11.1	11.1	15.4	15.4	16.5	16.5					
29				20.9				20.9	7.4	6.4	1.0	15.8	15.8	16.3	16.3				
30				19.9				19.9	6.9	6.9	15.9	15.9	16.4	16.4					
31	6.1	6.1		18.1				18.1		15.5	15.5								
Total	379.7	36.6	341.1	674.5	438.9	435.6	560.2	215.3	334.9	348.5	93.4	253.1	479.7	479.7	301.0	301.0			
Acra-feet		763			1735			1091		687			951			597		15823	
Priority Diverted		77			871			427		165			951			597		11452	
Apport Diverted		677			864			664		502			502			4171		4171	
Apport diverted to date		2141			3005			3869		4171			4171			4171		4171	
TBI acreage	3898.18			3898.18			3898.18			3898.18			3898.18			3898.18		3898.18	
Apportioned	23389			23389			23389			23389			23389			23389		23389	
Duty	0.19			0.45			0.28			0.18			0.24			0.15		4.01	

2001

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	16.8	16.8					66.8	66.8		73.7	73.7		75.0	73.4	1.6	36.7	11.8	24.9
2	16.8	16.8					69.0	69.0		73.7	73.7		75.0	73.4	1.6	31.9		31.9
3	5.8	5.8					73.7	73.7		73.7	73.7		75.0	71.5	3.5	31.9		31.9
4							73.7	73.7		73.7	73.7		75.0	59.2	15.8	31.9		31.9
5				9.8	9.8		73.7	73.7		73.7	73.7		75.0	75.0		31.9		31.9
6				13.8	13.8		73.7	73.7		74.7	74.0	0.7	75.0	58.8	16.2	31.9		31.9
7				13.8	13.8		73.7	73.7		75.0	75.0		75.0	59.0	16.0	25.2		25.2
8				13.8	13.8		73.7	73.7		75.0	75.0		75.0	58.3	16.7	21.3		21.3
9				13.8	13.8		73.7	73.7		75.0	75.0		75.0	58.3	16.7	21.3		21.3
10	7.3	7.3		13.8	13.8		73.7	73.7		75.0	75.0		75.0	58.3	16.7	17.4		17.4
11	10.8	10.8		13.8	13.8		73.7	73.7		75.0	75.0		75.0	53.7	21.3	15.2		15.2
12	10.7	10.7		13.8	13.8		73.7	73.7		75.0	75.0		55.2	55.2		15.2		15.2
13	2.9	2.9		13.8	13.8		73.7	73.7		75.0	75.0		50.0	50.0		15.2		15.2
14				13.8	13.8		73.7	73.7		75.0	75.0		50.0	50.0		15.2		15.2
15				20.3	20.3		73.7	73.7		75.0	75.0		50.0	50.0		15.2		15.2
16				22.5	22.5		73.7	73.7		75.0	75.0		50.0	50.0		14.5		14.5
17				22.5	22.5		73.7	73.7		75.0	75.0		40.1	26.0	14.1	14.2		14.2
18				22.5	22.5		73.7	73.7		75.0	75.0		37.5	26.0	11.5	14.2		14.2
19				46.2	46.2		73.7	73.7		75.0	74.0	1.0	37.5	26.0	11.5	14.2		14.2
20				55.0	55.0		73.7	72.8	0.9	75.0	74.1	0.9	37.5	26.0	11.5	14.2		14.2
21				55.0	55.0		73.7	72.1	1.6	75.0	74.0	1.0	37.5	37.5		14.2		14.2
22				55.0	55.0		73.7	72.5	1.2	75.0	74.0	1.0	37.5	21.3	16.2	14.2		14.2
23				68.8	68.8		73.7	70.2	3.5	75.0	74.0	1.0	37.5	21.3	16.2	14.2		14.2
24				73.7	73.7		73.7	72.5	1.2	75.0	74.0	1.0	37.5	21.3	16.2	12.8		12.8
25				73.7	73.7		73.7	72.8	0.9	75.0	74.0	1.0	37.5	21.3	16.2	11.8		11.8
26				73.7	73.7		73.7	72.8	0.9	75.0	74.0	1.0	37.5	18.2	22.3	10.7		10.7
27				73.7	73.7		73.7	72.8	0.9	75.0	74.0	1.0	42.8	21.3	21.5	9.9		9.9
28				73.7	73.7		73.7	72.8	0.9	75.0	74.0	1.0	45.0	14.2	30.8	9.9		9.9
29							73.7	72.8	0.9	75.0	74.0	1.0	38.0	15.2	22.8	9.9		9.9
30							73.7	72.8	0.9	75.0	73.3	1.7	45.0	11.8	33.2	9.9		9.9
31							73.7	72.8	0.9				45.0	11.8	33.2			
Total	70.5	70.5		870.1	870.1		2272.9	2258.2	14.7	2243.2	2229.9	13.30	1673.6	1270.3	403.3	546.0	11.8	534.2
Acres-feet		140			1726			4508			4448			3320			1083	
Priority Diverted		140			1726			4479			4423			2520			23	
Apport Diverted								29			26			800			1060	
Apport diverted to date								29			55			855			1915	
TBI acreage	5858.47			5895.81			5895.81			5996.81			6003.41			6003.41		6003.41
Apportioned	35020			35374			35374			35981			36020			36020		36020
Duty	0.02			0.29			0.76			0.72			0.55			0.18		

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	9.9		9.9	46.1	3.9	42.2	51.3	42.2	9.1	22.0	21.3	21.3	22.0	21.3	21.3	22.0	21.3	22.0	
2	9.9		9.9	47.7	15.2	32.5	57.5	9.9	47.6	22.0	22.0	21.3	21.3	22.0	21.3	22.0	21.3	22.0	
3	9.9		9.9	47.6	47.6		58.9	9.9	49.0	22.0	22.0	22.0	22.0	19.2	19.2	16.1	16.1	16.1	
4	9.9		9.9	56.2	48.8	7.4	58.9	21.3	37.6	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
5	9.9		9.9	57.3	43.9	13.4	49.2	15.2	34.0	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
6	9.9		9.9	41.4	41.4		32.3	9.9	22.4	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
7	9.9		9.9	31.9	5.3	26.6	26.0	26.0	26.0	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
8	11.0		11.0	36.4	36.4		26.0	26.0	26.0	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
9	11.8		11.8	38.8	38.8		26.0	26.0	26.0	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
10	21.4	14.2	7.2	38.8	38.8		26.0	26.0	26.0	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
11	28.2	26.2		38.8	38.8		19.3	19.3	19.3	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
12	26.2		26.2	42.1	42.1		15.2	15.2	15.2	22.0	22.0	22.0	22.0	22.0	22.0	13.7	13.7	13.7	
13	19.5		19.5	51.5	5.3	46.2	15.2	9.9	5.3	22.0	22.0	22.0	22.0	22.0	22.0	4.0	4.0	4.0	
14	15.2		15.2	57.7	21.3	36.4	15.2	15.2	15.2	22.0	22.0	22.0	22.0	22.0	22.0				
15	14.6		14.6	69.7	6.5	63.2	15.2	15.2	15.2	22.0	22.0	22.0	22.0	22.0	22.0				
16	14.2		14.2	75.0	74.1	0.9	22.2	6.5	15.7	22.0	22.0	22.0	22.0	22.0	22.0				
17	13.4		13.4	75.0	75.0		19.9	2.8	17.1	22.0	22.0	22.0	22.0	22.0	22.0	6.3	6.3	6.3	
18	11.8		11.8	75.0	74.1	0.9	13.8	13.8	13.8	22.0	22.0	22.0	22.0	22.0	22.0	9.2	9.2	9.2	
19	11.8		11.8	75.0	74.1	0.9	13.8	5.3	8.5	22.0	22.0	22.0	22.0	22.0	22.0	9.2	9.2	9.2	
20	11.8		11.8	75.0	58.8	16.2	13.8	13.8	13.8	22.0	22.0	22.0	22.0	22.0	22.0	15.5	15.5	15.5	
21	11.8		11.8	75.0	31.9	43.1	20.0	15.2	4.8	22.0	22.0	22.0	22.0	22.0	22.0	19.2	19.2	19.2	
22	11.8		11.8	75.0	43.9	31.1	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	22.0	19.2	19.2	19.2	
23	11.8		11.8	75.0	58.2	15.8	22.0	14.2	7.8	22.0	22.0	22.0	22.0	22.0	22.0	19.2	19.2	19.2	
24	10.8		10.8	75.0	9.9	65.1	22.0	11.8	10.2	22.0	22.0	22.0	22.0	22.0	22.0	19.2	19.2	19.2	
25	7.0		7.0	85.0	15.2	69.8	22.0	5.3	16.7	22.0	22.0	22.0	22.0	22.0	22.0	3.5	3.5	3.5	
26	5.3		5.3	59.0	59.0		22.0	5.3	16.7	21.5	21.5	21.5	22.0	22.0	22.0				
27	5.3		5.3	55.5	2.8	52.7	22.0	2.8	19.2	21.3	21.3	21.3	22.0	22.0	22.0				
28	2.0		2.0	53.7	53.7		22.0	22.0	22.0	21.3	21.3	21.3	22.0	22.0	22.0				
29				46.3	46.3		22.0	5.3	18.7	21.3	21.3	21.3	22.0	22.0	22.0	7.1	7.1	7.1	
30				42.2	42.2		22.0	22.0	22.0	21.3	21.3	21.3	22.0	22.0	22.0	10.8	10.8	10.8	
31	26.4	26.4		42.2	42.2		22.0	22.0	22.0	21.3	21.3	21.3	22.0	22.0	22.0	11.0	11.0	11.0	
Total	372.2	68.8	303.4	1741.1	758.4	982.7	793.7	214.8	578.9	676.0	128.0	650.0	655.8	655.8		336.6	336.6		
Acres-feet		738			3453			1574			1345			1301			668		
Priority Diverted		136			1504			426			254			1301			668		
Apport Diverted		602			1949			1148			1091						6705		
Apport diverted to date		2517			4486			5814											

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GRAHAM CANAL: 4,217.68 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				29.4	29.4		47.6	47.8		47.7	45.1	2.6	33.3	33.3		11.4	1.7	9.7
2				34.9	34.9		47.3	47.3		48.2	45.1	3.1	30.3	30.3		6.3		6.3
3				34.7	34.7		47.2	47.2		47.9	45.1	2.8	22.9	22.9		5.9		5.9
4				34.5	34.5		47.4	47.4		47.3	45.1	2.2	20.6	20.6		5.9		5.9
5				42.0	42.0		47.3	47.3		47.5	45.1	2.4	20.4	20.4		6.0		6.0
6				46.0	46.0		47.5	47.5		47.9	45.1	2.8	20.3	20.3		6.0		6.0
7				47.5	47.5		47.7	47.7		48.6	48.6		20.3	20.3		5.5		5.5
8				47.9	47.9		47.3	47.3		48.4	48.4		20.1	18.8	1.3	4.8		4.8
9				47.0	45.1	1.9	47.8	47.8		48.3	48.3		24.5	18.8	5.7	4.6		4.6
10				47.3	47.3		47.2	47.2		47.8	47.8		26.1	16.8	7.3	4.1		4.1
11				47.2	47.2		45.8	45.8		47.1	47.1		23.7	13.4	10.3	3.0		3.0
12				47.2	47.2		47.0	47.0		47.1	47.1		19.3	19.3		3.1		3.1
13				47.4	47.4		47.4	47.4		46.7	46.7		9.8	9.8		3.2		3.2
14				47.0	47.0		47.3	47.3		46.5	46.5		3.1	3.1		3.1		3.1
15				46.9	46.9		46.9	46.9		38.4	38.4					2.8		2.8
16				47.4	47.4		47.1	47.1		29.7	29.7					1.8		1.8
17				46.7	46.7		47.4	47.4		29.3	29.3					1.7		1.7
18				47.7	47.7		47.7	47.7		29.5	29.5					1.7		1.7
19				46.7	46.7		47.6	47.6		29.3	29.3					1.7		1.7
20				47.9	47.9		46.8	45.1	1.7	30.0	30.0					1.7		1.7
21				47.2	47.2		47.7	42.4	5.3	30.0	30.0					1.7		1.7
22				47.2	47.2		48.0	42.7	5.3	29.6	29.6					1.9		1.9
23				47.4	47.4		47.3	38.5	8.8	28.2	28.2					1.9		1.9
24				46.1	46.1		48.5	42.7	5.8	29.3	29.3					1.7		1.7
25				44.4	44.4		48.0	45.1	2.9	29.5	29.5					1.8		1.8
26				47.2	47.2		47.2	45.1	2.1	29.4	29.4					1.7		1.7
27				47.8	47.8		46.9	45.1	1.8	34.4	34.4					1.9		1.9
28				47.8	47.8		47.6	45.1	2.5	34.7	34.7					1.8		1.8
29							48.3	45.1	3.2	34.1	34.1					1.9		1.9
30							47.8	45.1	2.7	33.7	33.7		1.3	1.3		1.8		1.8
31	12.7	12.7					47.4	45.1	2.3				13.3	13.3				
Total	12.7	12.7		1258.4	1258.5	1.9	1470.2	1425.8	44.4	1166.1	1150.2	15.90	309.3	284.7	24.6	102.2	1.7	100.5
Acra-foot		25			2496			2916			2313			613			203	
Priority Diverted		25			2492			2828			2281			565			3	
Apport Diverted					4			88			32			49			199	
Appor diverted to date					4			92			124			173			372	
TBI acreage		3889.22			3889.22			3889.22			3889.22			3889.22			3889.22	
Apportioned		23102			23335			23335			23335			23335			23335	
Duty		0.01			0.64			0.75			0.59			0.16			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	0.7		0.7	9.8	0.4	9.2	13.7	10.1	3.6	6.1		6.1	4.6	4.6		20.3	20.3		
2				17.2	3.0	14.2	19.2	1.0	18.2	3.3		3.3	4.5	4.5		20.3	20.3		
3	1.0		1.0	20.0	20.0		22.0	1.0	21.0	0.2		0.2	4.5	4.5		20.2	20.2		
4				19.4	12.4	7.0	22.2	4.6	17.6				4.2	4.2		19.8	18.8	0.8	
5				18.2	10.7	7.5	14.6	3.0	11.6				4.9	4.9		22.2	6.0	16.2	
6				10.3	10.1	0.2	7.3	0.8	6.5				5.9	5.9		25.1	18.8	6.3	
7				6.4	0.6	5.8	4.8	4.8	4.8				6.2	6.2		25.1	22.1	3.0	
8				8.4		8.4	4.6	4.6	4.6				6.0	6.0		25.3	21.1	4.2	
9				9.8		9.8	4.7	4.7	4.7				6.0	6.0		24.9	22.1	2.8	
10	6.4	1.9	4.5	9.8		9.8	4.8	4.8	4.8				8.0	8.0		24.5	18.4	6.1	
11	19.6	10.1	9.5	9.7		9.7	3.9	3.9	3.9				9.0	9.0		23.4	23.4		
12	4.3		4.3	10.1		10.1	3.2	3.2	3.2				9.5	9.5		25.3	25.3		
13	3.6		3.6	13.6	0.6	13.2	3.4	0.8	2.6				10.4	10.4		25.1	25.1		
14	3.2		3.2	18.2	4.8	13.6	3.7		3.7				12.4	12.4		24.9	24.9		
15	2.6		2.6	20.4	0.7	19.7	3.8		3.8				13.4	13.4		24.1	24.1		
16	1.9		1.9	19.7	19.7		4.4	0.7	3.7				13.4	13.4		24.4	24.4		
17	1.6		1.6	19.8	19.8		4.7		4.7				14.8	14.8		17.8	17.8		
18	0.9		0.9	25.5	25.5		5.0		5.0				14.8	14.8		13.0	10.1	2.9	
19	0.6		0.6	27.9	27.9		4.9	0.6	4.3				15.0	15.0		14.6	12.4	2.2	
20				26.6	21.1	5.5	9.9		9.9				15.0	15.0		14.4	13.4	1.0	
21	1.7		1.7	27.0	6.0	21.0	11.5	3.0	8.5				15.0	15.0		14.0	14.0		
22	1.9		1.9	27.5	10.7	16.8	11.0	4.7	6.3				19.8	19.8		14.4	14.4		
23	1.5		1.5	27.3	25.9	1.4	11.4	1.9	9.5				18.8	18.8		14.6	14.6		
24	1.2		1.2	27.0	1.0	26.0	10.9	1.7	9.2				19.8	19.8		14.6	14.6		
25	0.8		0.8	26.0	3.0	23.0	10.6	0.6	10.0				20.1	20.1		14.6	14.6		
26	1.3		1.3	24.7		24.7	9.3	0.6	8.7	4.3	4.3		20.1	20.1		14.6	14.6		
27				18.3		18.3	6.1		6.1	4.7	4.7		19.9	19.9		14.9	10.7	4.2	
28				13.4		13.4	6.1		6.1	5.1	4.7	0.4	20.0	20.0		13.9	10.7	3.2	
29				11.8		11.8	6.4	0.6	5.8	4.6	4.6		20.0	20.0		14.5	9.1	5.4	
30				10.5		10.5	6.3		6.3	4.6	4.6		20.1	20.1		14.2	13.4	0.8	
31	6.6	6.6		10.6		10.6			4.8	4.8	4.8					6.3	6.3		
Total	61.6	18.6	43.0	544.9	223.7	321.2	254.4	35.7	218.7	37.7	27.7	10.0	375.9	375.9		566.1	526.0	59.1	
Acra-foot					1061			505			75			746			1161	12255	
Priority Diverted					444			71			55			746			1043	10590	
Apport Diverted					637			434			20						117	1665	
Appor diverted to date					1094			1528			1548						1665	1665	
TBI acreage		3889.22			3889.22			3889.22			3889.22			3889.22			3889.22	3889.22	
Apportioned		23335			23335			23335			23335			23335			23335	23335	
Duty		0.03			0.28			0.13			0.02			0.19			0.30	3.15	

Diversion from North side of Old River in NW/4NE/4, Sec. 9, T.7 S., R.26 E. Water-stage recorder and 6 ft. Parshall flume located in SW/4NW/4, Sec. 4, T.7 S., R.26 E.
Record good

c:\my docs\yearly_rpt\safval.xls

2001

SMITHVILLE CANAL: 2,549.33 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	17.9	17.9					27.6	27.6		23.8	23.8		28.9	28.9		8.7	3.9	4.8
2	17.8	17.8					29.6	28.8	0.9	26.9	26.9		28.9	28.9		20.4		20.6
3	17.7	17.7					29.7	28.6	1.1	26.1	26.1		28.6	26.5	1.0	17.0		17.0
4	17.8	17.8					28.2	28.2		26.9	26.9		24.7	20.1	4.6	13.6		13.6
5	17.8	17.8					27.2	27.2		28.2	27.7	0.5	24.6	24.6		13.0		13.0
6	17.2	17.2					27.0	27.0		28.6	27.7	0.9	23.7	18.6	5.2	10.1		10.1
7	16.7	16.7					28.8	26.6		28.4	28.4		28.3	19.4	8.9	8.3		9.3
8	16.8	16.8					27.9	27.9		25.6	25.6		26.9	18.5	8.4	10.9		10.9
9	8.8	8.8					27.8	27.8		25.9	25.9		25.1	18.5	6.6	10.6		10.6
10							26.9	26.9		27.1	27.1		25.1	18.5	6.6	11.7		11.7
11							23.9	23.9		26.6	26.6		28.9	17.9	8.0	10.0		10.0
12							27.7	27.7		26.1	26.1		27.9	18.6	9.4	8.8		8.8
13							27.6	27.6		26.2	26.2		26.6	18.2	10.4	10.1		10.1
14							26.2	26.2		27.1	27.1		28.5	17.9	10.6	9.1		9.1
15							27.1	27.1		27.0	27.0		28.7	17.9	10.8	9.1		9.1
16							28.0	28.0		26.4	26.4		26.9	18.2	8.7	8.7		8.7
17							27.6	27.6		26.4	26.4		27.4	18.2	9.2	9.0		9.0
18							27.9	27.9		26.7	26.7		18.6	12.6	6.0	8.5		8.5
19				13.0	13.0		28.1	28.1		26.8	26.8		13.6	12.6	0.9	6.1		6.1
20				20.6	20.6		27.7	27.7		26.7	26.7		13.6	12.6	0.9	8.7		8.7
21				21.8	21.8		27.4	27.4		26.6	26.6		13.1	13.1		6.4		6.4
22				21.8	21.8		27.3	27.3		26.8	26.8		11.2	11.2		8.6		8.6
23				25.8	25.8		26.9	26.9	0.3	26.3	26.3		13.0	11.7	1.3	6.9		6.9
24				27.5	27.5		27.1	27.1		27.2	27.2		13.1	11.7	1.4	5.1		5.1
25				27.7	27.7		27.2	27.2		27.5	27.5		12.6	11.7	0.8	4.6		4.6
26				26.7	26.7		27.1	27.1		26.6	26.6		14.6	10.0	4.6	3.1		3.1
27				26.7	26.7		27.3	27.3		26.9	26.9		21.8	11.7	10.1	2.2		2.2
28				26.8	26.8		27.5	27.5		26.3	26.3		22.6	7.3	16.2	4.4		4.4
29							26.8	26.8		26.5	26.5		19.2	10.0	9.2	2.8		2.8
30							27.3	27.3		27.7	27.5	0.2	12.8	3.9	8.9	3.9		3.9
31							23.8	23.8					2.2	2.2				
Total	148.2	148.2		238.4	238.4		846.0	843.7	2.3	797.9	796.3	1.60	682.0	496.6	165.6	266.3	3.9	264.4
Acres-foot		294			473			1878			1683			1283			612	
Priority Diverted		294			473			1673			1579			965			8	
Apport Diverted								5			3			325			806	
Apport diverted to date								6			6			336			841	
TBI acreage		2282.06			2274.06			2284.06			2284.06			2284.06			2284.06	
Apportioned		12697			13844			13704			13704			13704			13704	
Duty		0.13			0.21			0.73			0.69			0.67			0.22	

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	2.2		2.2	13.8		13.8	18.8	18.3	3.2	12.0		12.0	11.6	11.6		18.8	18.6		
2	0.4		0.4	18.5	10.0	8.5	18.4	18.4	18.4	13.2		13.2	11.3	11.3		18.7	15.7		
3	0.8		0.8	19.8	19.8		17.0	17.0	17.0	12.1		12.1	11.6	11.6		18.9	18.9		
4				14.2	14.2		12.2	11.7	0.5	11.7		11.7	11.5	11.5		16.0	16.0		
5				3.7	3.7		1.4	1.4		13.1		13.1	10.6	10.6		16.6	13.6	2.0	
6				4.3	4.3		7.8	7.8	7.8	12.3		12.3	10.1	10.1		18.8	15.8		
7				10.3		10.3	15.0	15.0	15.0	13.2		13.2	12.4	12.4		16.6	15.6		
8				13.7		13.7	13.7	13.7	13.7	12.8		12.8	12.7	12.7		6.1	6.1		
9				14.1		14.1	12.7	12.7	12.7	12.8		12.8	12.9	12.9					
10	8.1	7.3	0.8	14.2		14.2	11.7	11.7	11.7	12.4		12.4	13.0	13.0					
11	16.6	16.3	1.2	18.4		18.4	8.3	8.3	8.3	12.1		12.1	13.6	13.6					
12	21.6		21.6	17.2		17.2	9.6	9.6	9.6	11.7		11.7	12.9	12.9					
13	13.3		13.3	18.6		18.6	8.9	8.9	8.9	12.6		12.6	13.6	13.6					
14	9.3		9.3	18.4	11.7	6.7	9.1	9.1	9.1	13.5		13.5	13.7	13.7					
15	8.0		8.0	24.8		24.8	8.7	8.7	8.7	14.0		14.0	14.1	14.1					
16	6.6		6.6	24.8	24.8		11.7	11.7	11.7	13.0		13.0	16.2	16.2					
17	3.8		3.8	26.7	26.7		16.8	16.8	16.8	11.2		11.2	14.8	14.8					
18	0.6		0.6	27.7	27.7		16.7	16.7	16.7	10.2		10.2	14.6	14.6					
19	0.4		0.4	26.6	26.6		14.9	14.9	14.9	12.6		12.6	13.7	13.7					
20	2.3		2.3	28.2	18.6	9.7	14.4	14.4	14.4	12.7		12.7	14.1	14.1					
21	3.6		3.6	24.4	13.6	10.8	13.3	10.0	3.3	12.9		12.9	15.2	15.2					
22	2.3		2.3	28.2	18.8	11.4	10.0	10.0	10.0	13.3		13.3	14.2	14.2					
23				24.7	20.1	4.6	9.0	7.3	1.7	13.0		13.0	14.8	14.8					
24	0.2		0.2	20.9		20.9	12.4	9.9	8.6	12.0		12.0	16.8	16.8		2.8	2.6		
25				14.3	10.0	4.3	11.5	11.5	11.5	10.9		10.9	15.8	15.8		4.8	4.8		
26	0.6		0.6	18.6		18.6	10.6	10.6	10.6	10.9		10.9	16.0	16.0		8.8	8.8		
27				12.2		12.2	13.8	13.8	13.8	11.2		11.2	14.9	14.9		10.2	10.2		
28				16.8		16.8	6.9	6.9	6.9	10.7		10.7	16.7	16.7		9.8	9.8		
29				12.6		12.6	9.6	9.6	9.6	10.2		10.2	15.8	15.8		10.2	10.2		
30	0.7		0.7	19.0		19.0	10.2	10.2	10.2	10.0		10.0	15.6	15.6		10.6	10.6		
31	8.2	8.2		16.2		16.2				8.8		8.8				10.7	10.7		
Total	109.2	90.8	78.4	666.7	247.3	308.4	363.8	69.8	234.0	374.1	62.8	311.3	411.2	411.2		183.6	181.6	2.0	
Acres-foot		217			1102			701			742			816			384		9776
Priority Diverted		61			491			118			126			816			390		8983
Apport Diverted		186			612			583			617						4		2813
Apport diverted to date		897			1609			2192			2809			2809			2813		
TBI acreage		2284.06			2284.06			2284.06			2284.06			2284.06			2284.06		2284.06
Apportioned		13704			13704			13704			13704			13704			13704		13704.4
Duty		0.10			0.48			0.31			0.32			0.38			0.18		4.28

Diversion from South side of Gls. River in NE1/4NW1/4, Sec. 1, T.7 S., R.56E. Water-slope recorder and S. L. Parshall flume located in NW1/4NW1/4, Sec. 35., T.8 S., R.26 E., which measures combined flow of Smithville and Dodge-Nevada Canals. Segregation made by Watermaster

Record good

2001

DODGE-NEVADA CANAL: 2,516.54 ACRES

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Total	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1							29.4	29.4		29.4	26.3	3.1	29.4	16.9	12.5	4.9	1.8	3.1
2							29.4	29.4		29.4	26.3	3.1	29.4	16.9	12.5	6.8		6.8
3							29.4	29.4		29.4	26.3	3.1	29.4	15.2	14.2	7.4		7.4
4							29.4	29.4		29.4	26.3	3.1	29.4	14.8	14.8	7.4		7.4
5				9.0	9.0		29.4	29.4		29.4	26.3	3.1	29.4	29.4		7.4		7.4
6				14.8	14.8		29.4	29.4		29.4	26.3	3.1	29.4	13.7	15.7	7.4		7.4
7				14.6	14.8		29.4	29.4		29.4	29.4		29.4	14.2	15.2	5.6		5.6
8				19.8	19.8		29.4	29.4		29.4	29.4		29.4	13.7	15.7	5.0		5.0
9				22.4	22.4		29.4	29.4		29.4	29.4		29.4	13.7	15.7	5.0		5.0
10				22.4	22.4		29.4	29.4		29.4	29.4		29.4	13.7	15.7	4.5		4.5
11				22.4	22.4		29.4	29.4		29.4	29.4		29.4	12.7	16.7	4.2		4.2
12				22.3	22.3		29.4	29.4		29.4	29.4		29.4	13.7	15.7	4.2		4.2
13				22.4	22.4		29.4	29.4		29.4	29.4		29.4	13.7	15.7	4.2		4.2
14				22.7	22.7		29.4	29.4		29.4	29.4		29.4	13.3	16.1	4.2		4.2
15				22.6	22.6		29.4	29.4		29.4	29.4		29.4	13.3	16.1	4.2		4.2
16				22.6	22.6		29.4	29.4		29.4	29.4		9.8	9.8		4.2		4.2
17				22.6	22.6		29.4	29.4		29.4	29.4					4.2		4.2
18				22.6	22.6		29.4	29.4		29.4	29.4					4.2		4.2
19				22.4	22.4		29.4	29.4		29.4	26.3	3.1				4.2		4.2
20				22.4	22.4		29.4	26.3	3.1	29.4	27.3	2.1				4.2		4.2
21				22.4	22.4		29.4	16.9	12.5	29.4	26.3	3.1				4.2		4.2
22				22.4	22.4		29.4	23.1	6.3	29.4	26.3	3.1				4.2		4.2
23				22.4	22.4		29.4	15.2	14.2	29.4	26.3	3.1	21.1	5.2	15.9	4.2		4.2
24				22.4	22.4		29.4	23.1	6.3	29.4	26.3	3.1	29.4	5.2	24.2	4.2		4.2
25				22.4	22.4		29.4	26.3	3.1	29.4	26.3	3.1	29.4	5.2	24.2	4.2		4.2
26				27.0	27.0		29.4	26.3	3.1	29.4	26.3	3.1	29.4	4.2	25.2	2.5		2.5
27				29.4	29.4		29.4	26.3	3.1	29.4	26.3	3.1	29.4	5.2	24.2	2.7		2.7
28				29.4	29.4		29.4	26.3	3.1	29.4	26.3	3.1	29.4	3.0	26.4	1.8		1.8
29							29.4	26.3	3.1	29.4	26.3	3.1	29.4	4.2	25.2	1.8		1.8
30							29.4	26.3	3.1	29.4	16.9	12.5	29.4	1.8	27.6	1.8		1.8
31							29.4	26.3	3.1	29.4	16.9	12.5	15.7	1.8	13.9			
Total				525.6	525.6		911.4	847.3	64.1	882.0	817.8	64.2	893.4	274.5	418.9	135.0	1.8	133.2
Acres-feet					1043			1808			1749			1375			268	
Priority Diverted					1043			1681			1622			544			4	
Apport Diverted								127			127			831			264	
Apport diverted to date								127			254			1085			1349	
TBI acreage		2391.44			2391.44			2391.44			2391.44			2391.44			2391.44	
Apportioned		13201			14349			14349			14349			14349			14349	
Duty					0.44			0.76			0.73			0.57			0.11	

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	1.8			10.5			11.6	9.5	2.1	2.2									
2	1.8			13.2	4.2	9.0	13.3	1.1	12.2				3.6	3.6					
3	1.8			14.2	14.2		13.3	1.1	12.2				5.9	5.9					
4	0.6			14.2	11.8	2.6	13.3	5.2	8.1				8.3	6.3					
5	0.7			8.2	8.2		13.3	4.2	9.1				6.3	6.3					
6	1.1			3.0	3.0		8.9	1.0	7.9				6.3	6.3					
7	1.1			5.6			4.5	4.5					7.0	7.0					
8	1.5			7.8			7.8	4.5	4.5				7.4	7.4					
9	1.8			8.5			8.5	5.7	5.7				7.4	7.4					
10	4.5	3.0		8.5			8.5	6.3	6.3				8.1	8.1					
11	15.6	9.5		6.1	8.5		8.5	4.3	4.3				8.5	8.5					
12	17.8			17.8	9.4		9.4	3.6	3.6				9.7	9.7					
13	8.0			8.0	12.3		12.3	4.0	1.0	3.0			10.5	10.5					
14	4.2			4.2	14.0	5.2	8.8	4.2	4.2				11.5	11.5					
15	3.5			3.5	24.9	0.9	24.0	4.2	4.2				12.7	12.7					
16	3.0			3.0	29.9	26.3	3.6	5.5	0.9	4.6			12.7	12.7					
17	1.8			29.9	29.9		8.3						13.4	13.4					
18				29.9	26.3	3.6	10.9			10.9			13.7	13.7					
19				29.9	26.3	3.6	17.3			17.3			13.7	13.7					
20	0.9			29.9	13.7	16.2	20.0			20.0			13.7	13.7					
21	1.8			1.8	29.9	7.4	22.5	20.0	4.2	15.8			13.7	13.7					
22	1.8			1.8	29.9	10.5	19.4	20.0	6.3	13.7			13.7	13.7					
23	0.8			0.8	29.9	14.8	15.1	15.9	3.0	12.9			13.7	13.7					
24	1.3			1.3	29.9	1.1	28.8	11.0	1.8	9.2			13.7	13.7			12.9	12.9	
25	1.3			1.3	19.9	4.2	15.7	9.5		9.5			13.7	13.7			20.0	20.0	
26				15.0			15.0	9.5		9.5			13.7	13.7			20.0	13.7	6.3
27				9.6			9.6	8.1		8.1			4.4	4.4			20.0	10.5	9.5
28				11.5			11.5	7.5		7.5							20.0	10.5	9.5
29				9.1			9.1	7.5		7.5							20.0	8.5	11.5
30				8.2			8.2	7.5		7.5							20.0	12.7	7.3
31				9.5			9.5										20.0	20.0	
Total	84.5	18.5	66.0	514.7	207.8	306.9	293.5	39.3	254.2	2.2		2.2	265.0	265.0		152.9	108.8	44.1	
Acres-feet		168			1021			582			4			526			303	8847	
Priority Diverted		37			412			78						526			216	6183	
Apport Diverted		131			609			504			4						87	2684	
Apport diverted to date		1480			2089			2593			2597			2597			2684	2684	
TBI acreage		2391.44			2391.44			2391.44			2391.44			2391.44			2391.44	2391.44	
Apportioned		14349			14349			14349			14349			14349			14349	14349	
Duty		0.07			0.43			0.24			0.00			0.22			0.13	3.70	

2001

CURTIS CANAL: 1,971.70 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				19.4	19.4		20.6	20.6		20.7	20.7		19.5	19.5		16.0		16.0
2				19.2	19.2		20.7	20.7		20.3	20.3		18.9	18.9		16.1		16.1
3				20.0	20.0		19.3	19.3		20.2	20.2		19.5	19.5		18.1		18.1
4				19.6	19.6		19.7	19.7		21.0	21.0		19.9	18.2	1.7	18.0		18.0
5				19.7	19.7		20.8	20.8		21.4	21.3	0.1	18.5	18.5		18.1		18.1
6				20.4	20.4		19.9	19.9		21.2	21.2		19.0	18.1	0.9	18.7		18.7
7				20.3	20.3		19.9	19.9		22.1	21.9	0.2	18.9	16.9		18.3		18.3
8				20.3	20.3		19.5	19.5		20.8	20.8		18.5	18.1	0.4	18.0		18.0
9				20.3	20.3		18.9	18.9		20.5	20.5		19.8	18.1	1.7	17.8		17.8
10				20.5	20.5		19.6	19.6		18.7	18.7		20.9	18.1	2.8	17.4		17.4
11				20.8	20.8		20.0	20.0		20.5	20.5		20.8	18.1	2.7	17.1		17.1
12				20.5	20.5		19.0	19.0		21.7	21.7		21.5	18.1	3.4	18.3		18.3
13				20.3	20.3		18.8	18.8		20.0	20.0		19.9	18.1	1.8	19.5		19.5
14				20.3	20.3		21.2	21.2		19.2	19.2		17.4	17.4		18.8		18.8
15				20.6	20.6		20.5	20.5		19.3	19.3		20.2	18.1	2.1	19.0		19.0
16				20.8	20.8		20.6	20.6		19.3	19.3		21.0	18.1	2.9	16.7		16.7
17				21.0	21.0		21.2	21.2		19.1	19.1		21.0	18.1	2.9	16.2		16.2
18				20.4	20.4		20.7	20.7		18.9	18.9		21.0	11.5	9.5	16.3		16.3
19				18.4	18.4		20.5	20.5		18.9	18.9		19.1	11.5	7.6	15.5		15.5
20				20.2	20.2		20.1	20.1		18.9	18.9		18.7	11.5	7.2	15.3		15.3
21				21.0	21.0		20.3	20.3		18.9	18.9		20.1	18.1	2.0	17.1		17.1
22				20.0	20.0		20.8	20.8		18.6	18.6		20.6	4.3	16.3	17.6		17.6
23				19.7	19.7		20.9	20.9		19.8	19.8		19.8	4.3	15.5	15.7		15.7
24				20.0	20.0		21.0	21.0		20.7	20.7		18.1	4.3	13.8	15.2		15.2
25				20.6	20.6		20.8	20.8		21.0	21.0		16.2	4.3	11.9	14.9		14.9
26				20.7	20.7		20.8	20.8		20.8	20.8		17.9	1.2	16.7	14.7		14.7
27				20.2	20.2		21.0	21.0		20.5	20.5		17.9	4.3	13.6	14.3		14.3
28				20.4	20.4		20.9	20.9		20.3	20.3		18.2	0.4	17.8	14.5		14.5
29							20.7	20.7		19.9	19.9		18.4	1.2	17.2	15.2		15.2
30		12.3	12.3				20.4	20.4		19.7	19.7		17.8	17.8	14.1			14.1
31		18.8	18.8				20.4	20.4					17.4	17.4				
Total	31.1	31.1		565.6	565.6		629.1	629.1		602.7	602.4	0.30	594.4	386.8	207.8	502.3		502.3
Acres-feet		62			1122			1248			1195			1179				996
Priority Diverted		62			1122			1248			1195			767				
Apport Diverted														412				996
Apport diverted to date														413				1409
TBI acreage		1752.85			1752.85			1752.85			1752.85			1752.85				1752.85
Apportioned		10412			10517			10517			10517			10517				10517
Duty		0.04			0.64			0.71			0.68			0.67				0.57

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	12.8		12.8	15.0		15.0	20.7	18.2	4.5	6.7		6.7	9.9	9.9					
2	12.1		12.1	18.3	1.2	17.1	18.7		18.7	5.9		5.9	9.1	9.1					
3	12.7		12.7	15.5	15.5		20.6		20.6	8.1		8.1	7.4	7.4					
4	13.1		13.1	11.0	11.0		16.3	4.3	12.0	10.7		10.7	8.8	8.8					
5	12.1		12.1	11.2	11.2		11.7	1.2	10.5	12.1		12.1	8.0	8.0					
6	2.1		2.1	9.9	9.9		9.7		9.7	13.3		13.3	8.3	8.3					
7				12.8		12.8	10.5		10.5	14.0		14.0	11.9	11.9					
8	1.4		1.4	15.4		15.4	9.9		9.9	14.3		14.3	14.9	14.9					
9	5.4		5.4	15.8		15.8	7.6		7.6	12.9		12.9	15.0	15.0					
10	6.7	0.4	6.3	13.4		13.4	6.6		6.6	11.8		11.8	15.0	15.0					
11	10.0	10.0		12.9		12.9	8.4		8.4	15.5		15.5	14.0	14.0					
12	14.4		14.4	19.6		19.6	6.2		6.2	15.9		15.9	13.4	13.4					
13	14.2		14.2	16.3		16.3	6.0		6.0	15.6		15.6	13.1	13.1					
14	14.3		14.3	20.2	4.3	15.9	6.2		6.2	14.2		14.2							
15	13.3		13.3	22.6		22.6	8.8		8.8	13.7		13.7							
16	14.7		14.7	21.7	21.3	0.4	10.9		10.9	13.0		13.0							
17	10.9		10.9	19.8	19.8		17.8		17.8	11.8		11.8							
18				19.5	19.5		21.4		21.4	8.0		8.0							
19				18.9	18.9		18.3		18.3	7.5		7.5							
20	1.9		1.9	18.7	18.1	0.6	14.9		14.9	6.4		6.4							
21	3.7		3.7	19.3	13.8	5.5	18.2	1.2	14.0	6.2		6.2							
22	3.1		3.1	21.4	18.7	4.7	11.9	11.5	0.4	8.4		8.4							
23	1.6		1.6	20.2	18.2	2.0	10.3	0.4	9.9	12.5		12.5							
24				18.6		18.6	11.2		11.2	12.7		12.7							
25				14.2	1.2	13.0	12.5		12.5	12.4		12.4							
26				14.8		14.8	13.8		13.8	12.0		12.0							
27				13.8		13.8	11.2		11.2	12.4		12.4							
28				12.6		12.6	7.6		7.6	12.3	11.5	0.8				4.7	4.7		
29				13.8		13.8	8.9		8.9	11.9		11.9				6.2	6.2		
30				16.3		16.3	7.9		7.9	12.3	12.3					7.5	7.5		
31	10.1	10.1		18.3		18.3			11.6	11.6						7.5	7.5		
Total	190.6	20.5	170.1	512.0	200.8	311.4	359.3	34.8	324.5	356.1	71.7	284.4	148.8	148.8		25.9	25.9		
Acres-feet		378			1018			713		706			285					51	8982
Priority Diverted		41			398			69		142			285					51	5390
Apport Diverted		337			618			644		564									3572
Apport diverted to date		1746			2364			3008		3572									3572
TBI acreage		1752.85			1752.85			1752.85		1752.85			1752.85					1752.85	1752.85
Apportioned		10517			10517			10517		10517			10517					10517	10517
Duty		0.22			0.58			0.41		0.40			0.17					0.03	5.11

Diversions from North side of Gila River in NW/4NW/4, Sec.7, T.8 S., R.28 E. Water-stage recorder and 6 ft. Parshall flume located in NW/4SE/4, Sec.12, T.8 S., R.24 E. Record good

2001

FORT THOMAS CANAL: 3,155.70 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	16.9	16.9					33.8	33.8		35.6	33.3	2.3	33.8	30.6	3.2	27.8	1.0	26.8	
2	16.1	16.1					34.3	34.3		34.9	33.3	1.6	33.7	30.8	3.1	26.2		26.2	
3	17.0	17.0					35.2	35.2		34.8	33.3	1.5	33.8	26.2	7.6	24.3		24.3	
4	16.9	16.9					35.8	35.8		34.6	33.3	1.3	34.5	24.2	10.3	24.7		24.7	
5	16.9	16.9					35.9	35.9		34.7	33.3	1.4	35.3	35.3		24.1		24.1	
6	7.1	7.1					35.7	35.7		35.6	33.3	2.3	35.2	8.9	26.3	27.0		27.0	
7							35.8	35.8		35.8	35.8		34.6	17.2	17.4	27.7		27.7	
8							35.9	35.9		34.6	34.6		34.1	8.4	25.7	23.3		23.3	
9							35.8	35.8		34.6	34.6		33.8	8.4	25.4	24.2		24.2	
10							35.9	35.9		34.6	34.6		34.4	8.4	28.0	27.2		27.2	
11							36.1	36.1		31.3	31.3		34.4	6.0	28.4	22.7		22.7	
12							35.6	35.6		22.3	22.3		34.3	8.9	25.4	22.2		22.2	
13							35.7	35.7		34.7	34.7		35.1	6.0	28.1	23.0		23.0	
14							35.6	35.6		34.5	34.5		35.4	6.0	29.4	23.2		23.2	
15							35.6	35.6		34.3	34.3		35.0	6.0	29.0	22.8		22.8	
16							35.2	35.2		34.3	34.3		34.6	8.4	26.2	19.3		19.3	
17							34.6	34.6		34.4	34.4		34.3	6.0	28.3	15.8		15.8	
18							34.7	34.7		34.4	34.4		34.2	4.2	30.0	16.3		16.3	
19							34.9	34.9		34.5	33.3	1.2	34.7	4.2	30.5	20.4		20.4	
20							4.9	4.9		34.7	33.3	1.4	34.4	33.6	0.8	35.4	4.2	31.2	17.0
21							5.1	5.1		34.5	30.6	3.9	34.5	33.3	1.2	35.1	8.9	26.2	14.5
22							4.9	4.9		35.0	31.1	3.9	34.4	33.3	1.1	34.2	2.7	31.5	13.8
23							4.9	4.9		34.6	28.3	6.3	34.2	33.3	0.9	33.4	2.7	30.7	10.8
24							5.0	5.0		34.5	31.1	3.4	34.2	33.3	0.9	32.7	2.7	30.0	8.3
25							4.8	4.8		34.8	33.3	1.5	34.1	33.3	0.8	32.7	2.7	30.0	4.1
26							21.2	21.2		35.0	33.3	1.7	34.5	33.3	1.2	33.6	1.5	32.3	12.7
27							32.7	32.7		35.1	33.3	1.8	34.5	33.3	1.2	34.2	2.7	31.5	12.6
28							33.1	33.1		35.7	33.3	2.4	34.5	33.3	1.2	32.6	1.0	31.6	10.4
29										35.5	33.3	2.2	34.1	33.3	0.8	33.3	1.5	31.8	10.7
30										35.5	33.3	2.2	34.0	30.6	3.4	30.1	1.0	29.1	11.6
31										35.7	33.3	2.4			29.6	1.0	28.8		
Total	90.9	90.9		119.3	119.3		1092.7	1059.6	33.1	1021.9	996.8	25.10	1052.5	286.5	766.0	568.7	1.0	567.7	
Acra-foot		180			237			2167			2027			2088		1128			
Priority Diverted		180			237			2102			1977			588		2			
Apport Diverted								66			50			1519		1126			
Apport diverted to date								66			116			1635		2761			
TBI acreage		2884.35			2884.35			2884.35			2884.35			2884.35		2884.35			
Apportioned		15922			17306			17306			17306			17306		17306			
Duty		0.06			0.08			0.75			0.70			0.72		0.39			

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	8.2			8.2	9.2		31.3	5.3	26.0	7.2			7.2	10.2		11.6	11.6		
2	5.6			5.6	21.9	1.5	20.4	28.6	1.0	27.6	8.3		8.3	10.9	8.4	2.5	11.2	11.2	
3	4.1			4.1	22.8	22.8		26.8	1.0	25.8	9.0		9.0	9.9	9.9		11.4	11.4	
4	3.4			3.4	20.5	6.0	14.5	16.5	2.7	13.8	9.5		9.5	10.5	6.0	4.5	12.6	8.4	4.2
5	2.1			2.1	15.8	5.5	10.3	10.8	1.5	9.3	10.0		10.0	10.5	6.0	4.5	12.4	4.2	8.2
6	1.0			1.0	5.9	5.3	0.6	9.5	1.0	8.5	10.7		10.7	12.0	6.0	6.0	11.8	8.4	3.4
7	0.7			0.7	6.3	0.5	5.8	8.7		8.7	12.1		12.1	12.4	6.0	6.4	16.0	12.4	3.6
8	0.7			0.7	14.5		14.5	7.1		7.1	12.2		12.2	14.7	6.0	8.7	18.1	8.9	9.2
9	2.2			2.2	18.6		18.6	4.4		4.4	11.6		11.6	14.3	8.9	5.4	18.0	12.4	5.6
10	3.5	1.0		2.5	15.8		15.8	5.3		5.3	9.7		9.7	13.1	13.1		19.9	8.4	11.5
11	3.8	3.8			26.1		26.1	3.7		3.7	12.4		12.4	13.0	12.4	0.6	20.3	14.9	5.4
12	11.2			11.2	23.8		23.8	2.0		2.0	11.7		11.7	13.1	13.1		19.7	19.7	
13	12.3			12.3	16.1	0.5	15.6	2.0	1.0	1.0	12.5		12.5	11.9	11.9		19.4	19.4	
14	9.7			9.7	26.1	2.7	23.4	1.8		1.8	11.2		11.2	12.4	12.4		19.1	19.1	
15	5.9			5.9	34.5	1.0	33.5	1.3		1.3	10.8		10.8	12.0	12.0		19.0	19.0	
16	4.8			4.8	36.0	33.3	2.7	6.3	1.0	5.3	11.1		11.1	12.5	12.5		18.8	18.8	
17	4.0			4.0	34.2	34.2		22.8		22.8	9.7		9.7	12.2	12.2		18.8	17.2	1.6
18	1.4			1.4	34.4	33.3	1.1	26.8		26.8	7.7		7.7	12.4	12.4		18.8	5.3	13.5
19					34.1	33.3	0.8	16.1	0.5	17.6	6.0		6.0	12.5	12.5		18.7	6.0	12.7
20	1.0			1.0	33.7	8.9	24.8	11.3		11.3	6.9		6.9	12.3	12.3		18.5	6.0	12.5
21	2.5			2.5	30.9	4.2	26.7	12.7	1.5	11.2	7.4		7.4	12.7	12.7		18.5	8.4	10.1
22	2.4			2.4	31.7	5.5	26.2	9.8	4.2	5.6	8.4		8.4	12.3	12.3		18.0	18.0	
23	1.7			1.7	33.8	23.1	10.7	8.5	1.0	7.5	11.2		11.2	12.5	12.5		17.9	17.9	
24	0.9			0.9	29.8	1.0	28.8	10.9	1.0	9.9	11.5		11.5	12.8	12.8		17.8	17.2	0.6
25	0.7			0.7	18.0	1.5	14.5	8.3	0.5	7.8	11.6		11.6	12.5	12.5		17.6	17.6	
26	0.5			0.5	11.1		11.1	11.4	0.5	10.9	11.1	4.2	6.9	12.3	12.3		22.3	8.4	13.9
27					12.5		12.5	11.1		11.1	11.4	4.2	7.2	11.5	11.5		26.8	5.5	21.3
28	1.3			1.3	9.5		9.5	11.5		11.5	12.3	4.2	8.1	12.0	12.0		26.9	5.5	21.4
29	0.5			0.5	12.2		12.2	10.1	0.5	9.6	11.1	11.1		12.0	12.0		26.7	5.3	21.4
30					30.2		30.2	6.5		6.5	11.7		11.7	11.8	11.8		26.6	6.0	20.6
31	2.9	2.9			23.8		23.8			12.0	12.0						18.9	18.9	
Total	96.8	7.7	91.1	691.8	224.1	467.7	345.9	24.2	321.7	320.0	47.4	272.6	365.2	326.6	36.6	572.1	371.4	200.7	
Acra-foot		196			1372			686			635			724		1135		12577	
Priority Diverted		15			445			48			94			648		737		7053	
Apport Diverted		181			928			638			541			77		398		5524	
Apport diverted to date		2942			3870			4508			5049			5126		5524		5524	
TBI acreage		2884.35			2884.35			2884.35			2884.35			2884.35		2884.35		2884.35	
Apportioned		17306			17306			17306			17306			17306		17306		17306	
Duty		0.07			0.48			0.24			0.22			0.25		0.39		4.36	

Diversions from South Side of Old River in NE1/4NW1/4, Sec.4, T.8 S., R.24 E. Watersheds recorder and 8 R. Runns located in NE1/4NW1/4, Sec.32, T.8 S., R.24 E. Record good

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2001

SAN CARLOS APACHE TRIBE: 1,000 acres

Mean daily diversions, cubic feet per second

Day	JAN				FEB				MAR				APR				MAY				JUN			
	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat
1									4.7	2.3	2.4		1.6		1.8		3.2			3.2				
2									2.4		2.4		1.6		1.8		3.0			3.0				
3									2.4		2.4		1.6		1.8		2.9			2.9				
4									2.4		2.4		1.6		1.8		2.8			2.8				
5					1.8	0.8	1.0		2.4		2.4		1.6		1.8		1.2			1.2				
6					2.6	1.2	1.4		2.4		2.4		1.6		1.8									
7					2.6	1.2	1.4		2.4		2.4		1.6		1.8									
8					2.6	1.2	1.4		2.4		2.4		1.6		1.8					0.8	0.8			
9					2.6	1.2	1.4		2.4		2.4		1.6		1.8					0.9	0.9			
10					2.6	1.2	1.4		2.4		2.4		1.6		1.8					0.9	0.9			
11					2.6	1.2	1.4		2.4		2.4		1.6		1.8					0.9	0.9			
12					2.6	1.2	1.4		2.4		2.4		1.6		1.8					0.9	0.9			
13					2.6	1.2	1.4		2.4		2.4		1.6		1.8					0.9	0.9			
14					2.6	1.2	1.4		2.4		2.4		2.8		1.8	1.2				1.5	0.9		0.6	
15					2.6	1.2	1.4		2.4		2.4		4.0		1.6	2.4				2.0	0.9		1.1	
16					2.6	1.2	1.4		2.4		2.4		4.0		1.6	2.4				2.0	0.9		1.1	
17					2.6	1.2	1.4		2.4		2.4		4.0		1.6	2.4				2.0	0.9		1.1	
18					2.6	1.2	1.4		2.4		2.4		3.8		1.4	2.4				2.0	0.9		1.1	
19					2.5	1.2	1.3		2.4		2.4		2.4			2.4				2.0	0.9		1.1	
20					2.5	1.2	1.3		2.4		2.4		2.4			2.4				2.0	0.9		1.1	
21					2.5	1.2	1.3		2.4		2.4		2.4			2.4				2.0	0.9		1.1	
22					2.5	1.2	1.3		2.4		2.4		2.4			2.4				2.0	0.9		1.1	
23					2.5	1.2	1.3		1.3		1.3		2.4			2.4				2.0	0.9		1.1	
24					2.5	1.2	1.3		2.4		2.4		2.4			2.4				1.8	0.9		0.9	
25					2.5	1.3	1.3		2.4		2.4		2.4			2.4				1.7	0.9		0.8	
26					2.8	1.3	1.3		2.4		2.4		2.4			2.4				2.3	0.9		1.4	
27					2.8	1.3	1.3		2.4		2.4		2.4			2.4				2.0	0.9		1.1	
28					2.8	1.3	1.3		2.4		2.4		2.4			2.4				1.9	0.9		1.0	
29					2.4				2.4		2.4		2.4			2.4				2.0	0.9		1.1	
30					2.4				2.4		2.4		2.4			2.4				1.4			1.4	
31					2.4				2.4		2.4		2.4			2.4				1.4			1.4	
Total					81.0	28.8	32.2		61.2	2.3	86.9		68.2		28.6	39.6	13.1			13.1	37.9	19.7		18.2
Acres-foot Diverted to date					121	57	64		122	5	117		136		57	79	26			26	75	39		38
TBI acreage	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1
Duty					0.48	0.88	0.58		0.92	0.93	1.84		1.44	0.93	2.18	0.92	1.84	0.93	2.18	1.22	1.82	1.82	2.18	1.84

Day	JUL				AUG				SEP				OCT				NOV				DEC			
	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat
1	1.3			1.3	1.3			1.3	0.1			0.1	1.6		0.3	1.3								
2	1.5			1.5	0.7			0.7					1.6		0.3	1.3								
3	1.5			1.5	0.5			0.5					1.6		0.3	1.3								
4	1.5			1.5	0.1			0.1					1.6		0.3	1.3								
5	1.9	0.5		1.4	0.9			0.9	0.7			0.7	1.4		0.1	1.3								
6	2.5	1.0		1.5	0.9			0.9	1.3			1.3	1.6		0.3	1.3								
7	2.5	1.0		1.5	0.6			0.6	1.3			1.3	1.5		0.2	1.3								
8	2.4	1.0		1.4	0.5			0.5	1.3			1.3	1.5		0.2	1.3								
9	2.3	0.9		1.4					2.0		0.7	1.3	1.5		0.2	1.3								
10	1.4			1.4					2.1		0.9	1.2	1.4		0.1	1.3								
11	1.4			1.4					2.1		0.9	1.2	1.3			1.3								
12	0.7			0.7					1.8		0.9	0.9	1.2			1.2								
13	0.9			0.9					2.2		0.9	1.3	1.2			1.2								
14	1.5			1.5					2.1		0.9	1.2	1.2			1.2								
15	1.5			1.5					2.1		0.9	1.2	1.2			1.2								
16	1.4			1.4					2.1		0.9	1.2	1.2			1.2								
17	1.4			1.4					2.1		0.9	1.2	1.2			1.2								
18	1.4			1.4					1.7		0.4	1.3	1.2			1.2								
19	1.4			1.4					1.3			1.3	1.2			1.2								
20	1.4			1.4					1.3			1.3	1.2			1.2								
21	1.4			1.4					2.0		0.7	1.3	1.2			1.2								
22	1.4			1.4					2.2		0.9	1.3	1.2			1.2								
23	1.4			1.4					2.2		0.9	1.3	1.2			1.2								
24	1.3			1.3					2.2		0.9	1.3	1.1			1.1								
25	1.4			1.4	0.5			0.5	2.2		0.8	1.3	1.1			1.1								
26	1.4			1.4	1.3			1.3	2.2		0.9	1.3	0.4			0.4								
27	1.4			1.4	1.0			1.0	2.1		0.9	1.2												
28	1.3			1.3	0.6			0.6	2.1		0.9	1.2												
29	1.4			1.4	0.5			0.5	2.1		0.9	1.2												
30	1.4			1.4	0.5			0.5	2.2		0.9	1.3												
31	1.3			1.3	0.7			0.7																
Total	46.9	4.4		42.5	10.8			10.8	49.1	17.1		32.0	33.6		2.3	31.3								
Acres-foot Diverted to date	93	9		84	21			21	97	34		63	67		5	82								758
TBI acreage	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1	263.1	66.4	110.6	86.1
Duty	2.18	1.66	2.15	2.51	2.26	1.66	2.15	2.86	2.63	1.86	2.46	3.56	2.86	1.66	2.50	4.31	2.86	1.66	2.50	4.31	2.86	1.66	2.80	4.31

2001

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	16.0	19.1	10.0	19.8	18.7	18.4	20.0	18.3	20.0	19.3	20.8	13.8
2	9.9	16.8	17.5	19.3	15.2	15.4	20.2	14.5	20.4	18.3	19.6	18.3
3	10.0	18.1	18.8	15.7	20.0	15.1	20.9	18.3	20.2	20.3	19.6	17.8
4	10.6	14.7	17.7	15.1	18.2	20.0	21.0	16.6	19.5	19.8	20.1	19.5
5	16.1	16.7	18.8	18.5	19.7	20.8	20.8	19.2	17.2	19.2	20.4	18.6
6	17.1	19.3	18.0	10.7	13.9	21.2	19.9	18.5	19.0	19.1	18.9	17.7
7	12.8	12.1	18.6	13.2	18.4	21.2	20.0	18.6	18.4	20.0	16.7	17.2
8	17.1	16.9	18.6	16.6	19.2	21.3	20.4	20.2	16.5	19.5	19.0	18.0
9	11.2	13.6	18.4	19.0	15.6	21.3	19.8	20.6	19.2	18.4	19.5	18.9
10	9.3	12.8	15.9	18.8	19.5	20.8	20.2	20.2	19.6	18.9	18.5	19.5
11	14.0	16.1	18.8	18.8	19.6	21.4	20.2	18.7	19.6	19.1	19.3	17.9
12	17.7	12.3	18.7	11.4	19.4	20.0	18.9	19.3	19.2	18.7	19.6	17.2
13	13.7	12.9	12.8	20.0	18.7	19.6	19.9	20.4	18.7	19.4	19.1	16.6
14	11.5	12.4	18.7	16.8	18.8	20.3	19.9	20.6	19.5	19.0	19.1	13.9
15	12.2	13.1	19.0	18.9	19.5	20.2	19.5	19.9	19.7	18.7	19.2	16.2
16	11.8	12.6	14.9	18.1	18.8	21.7	19.9	20.4	19.8	18.9	19.5	18.2
17	11.5	15.3	13.4	19.3	18.9	21.4	20.2	19.6	19.6	19.8	18.5	18.4
18	11.9	18.8	13.4	20.4	20.8	21.6	19.8	18.7	20.3	19.7	19.1	17.5
19	14.3	18.5	14.5	20.0	19.8	21.3	19.2	18.8	19.6	19.4	18.1	16.2
20	15.9	18.6	18.7	19.6	19.6	21.1	18.8	19.8	20.4	17.9	18.2	14.4
21	17.1	16.0	19.2	19.6	19.3	20.7	21.1	20.1	20.2	18.8	17.6	17.2
22	16.6	18.5	18.0	19.6	17.1	20.8	21.3	19.9	18.1	20.5	17.9	17.9
23	16.2	17.4	16.4	18.6	19.1	20.7	18.1	20.1	17.9	19.4	18.6	15.4
24	17.2	16.6	18.9	15.4	15.4	20.4	17.4	20.6	19.5	18.9	19.6	18.5
25	16.5	16.6	18.8	14.6	17.9	20.3	19.8	20.6	17.8	20.3	18.2	11.7
26	17.6	17.1	17.4	16.9	17.1	18.5	19.3	20.4	18.1	20.6	18.6	10.5
27	15.3	17.9	16.1	16.5	16.4	18.7	19.0	18.9	19.8	21.0	18.8	15.2
28	12.2	17.6	14.1	15.2	17.0	20.1	19.5	19.5	19.9	18.9	18.8	11.9
29	12.8		14.4	13.4	19.0	20.3	20.2	20.1	19.6	20.6	18.4	15.5
30	17.3		12.7	17.1	18.4	20.3	20.0	20.2	19.4	19.9	12.4	11.5
31	19.8		19.2		17.0		20.1	20.3		20.0		17.5
Total CFS	443.2	448.4	520.4	516.9	566	604.9	615.3	599.9	576.7	602.3	561.7	508.6
Total Acre-feet	879	889	1032	1025	1123	1200	1220	1190	1144	1195	1114	1009
<u>ASARCO Reported Ac-ft</u>												
Reported	880	894	1036	1021	1127	1199	1218	1183	1143	1197	1114	991
Reported Year-to-Date	880	1774	2810	3831	4958	6157	7375	8558	9701	10898	12012	13003
<u>Tabulations in Ac-ft</u>												
Allocation diverted	879	889	1032	1025	1123	1200	1220	1190	1144	1195	1114	1009
Previous Alloc. div	879	879	1768	2800	3825	4948	6148	7368	8558	9702	10897	12011
Alloc. div to date	879	1768	2800	3825	4948	6148	7368	8558	9702	10897	12011	13020
Article_IX_ Allocation	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221
Allocation Remaining	15342	14453	13421	12396	11273	10073	8853	7663	6519	5324	4210	3201

NOTE: ASARCO Industrial & Municipal diversions are Under ARTICLE_IX_ (not apportioned)

2001

KEARNY ARIZONA: 101.73 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	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98	0.30	0.68
2	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98	0.30	0.68
3	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98	0.30	0.68
4	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
5	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
6	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
7	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
8	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
9	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
10	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
11	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
12	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
13	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
14	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
15	0.11	0.11		0.15	0.15		0.28	0.28		0.43	0.43		0.77	0.77		0.98		0.98
16	0.11	0.11		0.15	0.15		0.29	0.29		0.43	0.43		0.77	0.77		0.98		0.98
17	0.11	0.11		0.15	0.15		0.29	0.29		0.43	0.43		0.77	0.77		0.98		0.98
18	0.11	0.11		0.15	0.15		0.29	0.29		0.43	0.43		0.77	0.77		0.98		0.98
19	0.11	0.11		0.15	0.15		0.29	0.29		0.43	0.43		0.78	0.78		0.98		0.98
20	0.11	0.11		0.15	0.15		0.29	0.29		0.43	0.43		0.78	0.78		0.98		0.98
21	0.11	0.11		0.15	0.15		0.29	0.29		0.43	0.43		0.78	0.78		0.98		0.98
22	0.11	0.11		0.15	0.15		0.29	0.29		0.43	0.43		0.78	0.78		0.97		0.97
23	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.78		0.97		0.97
24	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
25	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
26	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
27	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
28	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
29	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
30	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
31	0.11	0.11		0.15	0.15		0.29	0.29		0.42	0.42		0.78	0.30	0.48	0.97		0.97
Total	3.4	3.4		4.2	4.2		8.8	8.8		12.8	12.8		24.0	20.2	3.8	29.3	0.9	28.4
Acre-feet	7			8			18			25			48			58		
Priority Diverted	7			8			18			25			40			2		
Apport Diverted													8			56		
Apport diverted to date													8			64		
TBI acreage	101.73			101.73			101.73			101.73			101.73			101.73		
Apportioned	562			610			610			610			610			610		
Duty	0.07			0.08			0.18			0.25			0.47			0.57		

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	0.83		0.83	0.82		0.82	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
2	0.83		0.83	0.82	0.62		0.75	0.75		0.55	0.42		0.55	0.42		0.42	0.27		0.27		
3	0.83		0.83	0.82		0.62	0.75	0.75		0.55	0.42		0.55	0.42		0.42	0.27		0.27		
4	0.83		0.83	0.82	0.30	0.32	0.75	0.10	0.65	0.55		0.55	0.42		0.42	0.27		0.27			
5	0.83		0.83	0.82	0.62		0.75	0.10	0.65	0.55		0.55	0.42		0.42	0.27		0.27			
6	0.83		0.83	0.82	0.62		0.75	0.30	0.45	0.55		0.55	0.42		0.42	0.27		0.27			
7	0.83		0.83	0.82	0.62		0.75	0.30	0.45	0.55		0.55	0.42		0.42	0.27		0.27			
8	0.83		0.83	0.82	0.62		0.75	0.10	0.65	0.55		0.55	0.42		0.42	0.27		0.27			
9	0.83		0.83	0.82		0.62	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
10	0.83		0.83	0.82		0.62	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
11	0.83		0.83	0.82		0.62	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
12	0.83	0.30	0.53	0.82		0.62	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
13	0.83	0.83		0.82		0.62	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
14	0.83		0.83	0.82		0.62	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
15	0.83		0.83	0.82		0.62	0.75	0.10	0.65	0.55		0.55	0.42		0.42	0.27		0.27			
16	0.83		0.83	0.82	0.30	0.32	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
17	0.83		0.83	0.82	0.10	0.52	0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
18	0.83		0.83	0.82	0.62		0.75	0.10	0.65	0.55		0.55	0.42		0.42	0.27		0.27			
19	0.83		0.83	0.82	0.62		0.75		0.75	0.55		0.55	0.42		0.42	0.27		0.27			
20	0.83		0.83	0.82	0.62		0.75		0.75	0.54		0.54	0.42		0.42	0.27		0.27			
21	0.83		0.83	0.82	0.62		0.75		0.75	0.54		0.54	0.42		0.42	0.27		0.27			
22	0.82		0.82	0.82	0.62		0.75		0.75	0.54		0.54	0.42		0.42	0.27		0.27			
23	0.82		0.82	0.82	0.62		0.75	0.30	0.45	0.54		0.54	0.42		0.42	0.27		0.27			
24	0.82		0.82	0.83	0.83		0.75	0.75		0.54		0.54	0.42		0.42	0.27		0.27			
25	0.82		0.82	0.83	0.83		0.75	0.30	0.45	0.54		0.54	0.42		0.42	0.27		0.27			
26	0.82		0.82	0.83	0.10	0.53	0.75		0.75	0.53		0.53	0.42		0.42	0.27		0.27			
27	0.82		0.82	0.83	0.30	0.33	0.75		0.75	0.53		0.53	0.42		0.42	0.27		0.27			
28	0.82		0.82	0.83		0.63	0.75		0.75	0.53	0.53		0.42		0.42	0.27		0.27			
29	0.82		0.82	0.83		0.63	0.75		0.75	0.53	0.53		0.42		0.42	0.27		0.27			
30	0.82		0.82	0.83		0.63	0.75		0.75	0.53	0.53		0.42		0.42	0.27		0.27			
31	0.82		0.82	0.83		0.63	0.75		0.75	0.53	0.53		0.42		0.42	0.27		0.27			
Total	25.6	1.1	24.5	19.3	9.2	10.1	22.5	3.5	19.0	16.9	2.1	14.8	12.6	12.6		8.4	8.4				
Acre-feet	2			38			45			33			25			17			373		
Priority Diverted	49			20			38			4			25			17			173		
Apport Diverted	113			133			171			200			200			200			200		
TBI acreage	101.73			101.73			101.73			101.73			101.73			101.73			101.73		
Apportioned	610			610			610			610			610			610			610		
Duty	0.50			0.37			0.44			0.32			0.25			0.17			3.67		

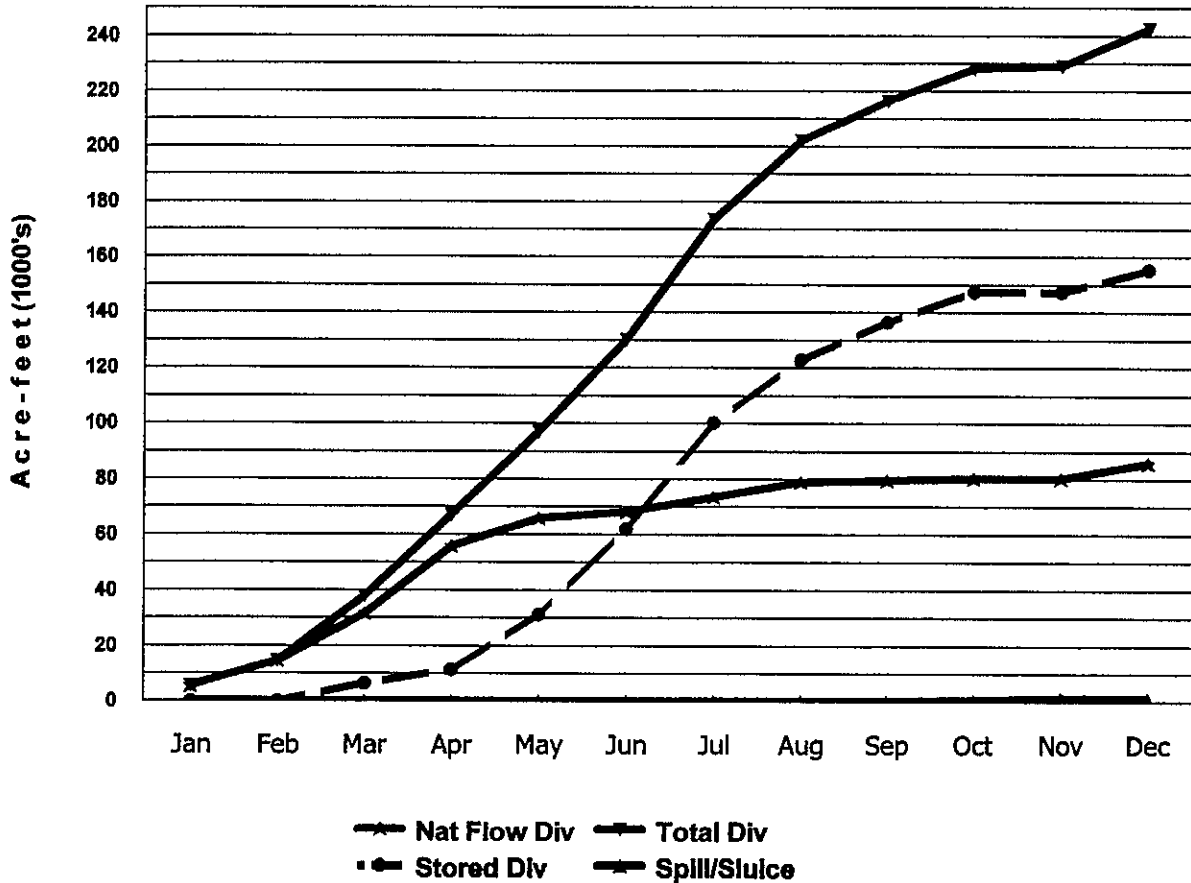
2001

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	5,472	0	5,472	5,472	0
FEB	14,428	0	14,428	14,428	0
MAR	31,421	6,464	37,885	37,885	0
APR	55,695	11,316	67,011	67,011	0
MAY	65,745	31,228	96,973	96,973	0
JUN	68,125	62,069	130,194	130,194	0
JUL	73,276	100,178	173,454	173,454	0
AUG	78,959	122,996	201,955	201,955	0
SEP	79,572	136,688	216,260	216,260	0
OCT	80,227	147,363	227,590	228,112	522
NOV	80,227	147,363	227,590	228,919	1,329
DEC	85,727	155,521	241,248	242,577	1,329

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

2001

JANUARY

T.B.I. Acres - 33,348.34

FEBRUARY

T.B.I. Acres - 40,847.15

MARCH

T.B.I. Acres - 46,607.15

2001	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	166		166			
2	170		170			
3	168		168			
4	165		165			
5	140		140			
6	136		136			
7	135		135			
8	128		128			
9	143		143			
10	145		145			
11	138		138			
12	107		107			
13	94		94			
14	85		85			
15	70		70			
16	64		64			
17	60		60			
18	58		58			
19	57		57			
20	53		53			
21	50		50			
22	47		47			
23	45		45			
24	43		43			
25	41		41			
26	40		40			
27	43		43			
28	43		43			
29	43		43			
30	42		42			
31	40		40			
Total	2789		2789			
Ac-ft	5472		5472			
To Date	5472		5472			
Duty	0.16					

2001	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	36		36			
2	55		55			
3	106		106			
4	134		134			
5	148		148			
6	160		160			
7	166		166			
8	193		193			
9	243		243			
10	194		194			
11	189		189			
12	189		189			
13	186		186			
14	162		162			
15	156		156			
16	216		216			
17	442		442			
18	334		334			
19	127		127			
20	107		107			
21	96		96			
22	90		90			
23	97		97			
24	112		112			
25	149		149			
26	172		172			
27	169		169			
Total	4515		4515			
Ac-ft	8956		8956			
To Date	14428		14428			
Duty	0.19					

2001	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	175		175			
2	176		176			
3	179		179			
4	191		191			
5	196		196			
6	196		196			
7	193		193			
8	219		219			
9	188		188			
10	189		189			
11	202		202			
12	219		219			
13	219		219			
14	228		228			
15	283		283			
16	308		308			
17	338		338			
18	410		410			
19	450	4	450			
20	464	75	375			
21	498	120	344			
22	319	170	328			
23	303	208	319			
24	303	245	303			
25	316	268	316			
26	331	278	331			
27	324	318	324			
28	343	329	343			
29	365	322	365			
30	367	319	367			
31	377	306	377			
Total	11826	3269	8567			
Ac-ft	23457	6464	16993			
To Date	37885	6464	31421			
Duty	0.46					

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

2001

APRIL

T.B.I. Acres - 48,110.27

MAY

T.B.I. Acres - 49,437.61

JUNE

T.B.I. Acres - 49,445.11

2001	Diversed			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	686	294	394			
2	687	289	398			
3	651	261	390			
4	600	243	367			
5	607	251	356			
6	640	253	387			
7	826	128	698			
8	765		765			
9	578		578			
10	473		473			
11	400		400			
12	384		384			
13	362		362			
14	352		352			
15	364		364			
16	396		396			
17	392		392			
18	401		401			
19	423		423			
20	448	40	408			
21	477	70	407			
22	511	107	404			
23	504	117	387			
24	465	55	410			
25	393	21	372			
26	384	32	352			
27	381	53	328			
28	378	63	315			
29	378	76	302			
30	377	93	284			
31						
Total	14684	2446	12238			
Ac-ft	29126	4852	24274			
To Date	67011	11316	55695			
Duty	0.58					

Diversed			Passing Dam		
Total	Stored	Nat Flow	Spill	Sluice	
363	80	283			
361	120	241			
396	174	221			
406	186	220			
414	193	221			
447	252	196			
490	293	197			
499	297	202			
509	329	180			
530	368	172			
534	366	169			
529	360	169			
523	358	165			
525	356	159			
528	359	169			
522	362	160			
519	370	149			
493	336	167			
466	307	149			
488	355	143			
532	378	154			
531	372	159			
531	375	166			
514	367	157			
493	356	137			
493	370	123			
502	385	117			
500	394	106			
492	403	89			
481	413	78			
486	416	70			
15106	10039	5067			
29962	19912	10060			
96973	31228	65746			
0.57					

Diversed			Passing Dam		
Total	Stored	Nat Flow	Spill	Sluice	
485	423	62			
489	427	62			
484	429	55			
497	455	42			
512	466	46			
513	467	46			
517	466	51			
516	466	50			
516	470	46			
521	486	35			
537	495	42			
533	497	36			
522	498	24			
522	498	24			
530	505	25			
539	512	27			
557	535	22			
579	548	31			
593	560	32			
593	566	25			
615	581	30			
617	581	34			
617	579	38			
617	581	36			
621	582	39			
633	580	53			
629	582	47			
623	573	50			
619	568	51			
620	581	39			
16749	15549	1200			
33221	30841	2380			
130194	62069	68126			
0.67					

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

2001

JULY

T.B.I. Acres - 49,610.83

AUGUST

T.B.I. Acres - 49,610.83

SEPTEMBER

T.B.I. Acres - 50,100.72

2001	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	617	552	35			
2	640	613	27			
3	648	605	43			
4	646	622	24			
5	686	645	41			
6	778	646	132			
7	932	657	275			
8	932	645	287			
9	831	628	203			
10	656	583	73			
11	618	598	50			
12	622	572	50			
13	619	571	48			
14	614	569	45			
15	614	568	46			
16	606	566	40			
17	614	570	44			
18	637	602	35			
19	664	622	42			
20	726	671	55			
21	764	703	61			
22	773	698	75			
23	742	655	87			
24	735	656	79			
25	729	662	67			
26	732	659	73			
27	700	627	73			
28	667	620	47			
29	698	663	35			
30	923	668	255			
31	647	497	150			
Total	21810	19213	2597			
Ac-ft	43260	38108	5151			
To Date	173454	100178	73276			
Duty	3.50					

Diverter			Passing Dam		
Total	Stored	Nat Flow	Spill	Sluice	
420	346	74			
428	305	123			
443	280	153			
425	306	119			
594	302	292			
430	319	111			
419	370	49			
435	399	36			
478	427	51			
490	427	63			
473	418	55			
507	426	81			
481	429	52			
466	399	67			
454	386	68			
505	404	101			
640	397	243			
535	326	209			
526	335	191			
504	350	154			
466	358	108			
434	372	62			
422	350	72			
417	356	61			
425	401	24			
440	425	15			
432	403	29			
377	351	26			
358	335	23			
14369	11504	2855			
28501	22518	5583			
201955	122996	78989			
0.57					

Diverter			Passing Dam		
Total	Stored	Nat Flow	Spill	Sluice	
387	334	33			
358	326	32			
341	313	28			
320	303	17			
314	302	12			
307	303	4			
307	304	3			
300	282	18			
275	268	7			
268	254	14			
251	245	6			
244	235	9			
236	214	21			
219	199	20			
213	197	16			
207	196	11			
206	199	7			
201	201				
202	202				
204	185	19			
190	172	18			
184	177	7			
181	180	1			
185	182	3			
186	183	3			
182	182				
176	176				
179	179				
206	206				
204	204				
7212	6903	309			
14305	13692	613			
216260	136688	79572			
0.25					

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

2001

OCTOBER

T.B.I. Acres - 49,840.72

NOVEMBER

T.B.I. Acres - 49,840.72

DECEMBER

T.B.I. Acres - 49,913.72

2001	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	194	194				
2	205	205				
3	199	199				
4	203	203				
5	231	231				
6	237	237				
7	266	266	13			
8	263	262	11			
9	268	239	29			
10	268	240	18			
11	262	242	10			
12	244	211	33			
13	205	190	15			
14	197	190	7			
15	192	189	3			
16	192	191	1			
17	185	185				
18	181	181				
19	180	180				
20	187	187				
21	191	191				
22	191	191				
23	191	191				
24	190	189	1			
25	188	182	6			
26	184	181	3			
27	181	58	123			88
28	57		57			70
29						60
30						45
31						263
Total	5712	5382	330	407	807	1329
Ac-ft	11330	10675	655	80227	80227	1329
To Date	227590	147363	80227	147363	80227	1329
Duty	4.57					

Diverter			Passing Dam		
Total	Stored	Nat Flow	Spill	Sluice	
31	31				
183	183				
220	204	16			
234	200	34			
244	202	42			
253	203	50			
259	203	56			
264	202	62			
270	197	73			
281	194	87			
287	136	121			
206	84	121			
179	63	116			
172	62	110			
177	104	73			
219	122	97			
226	114	111			
228	114	114			
229	115	114			
220	66	164			
174	29	146			
191	113	78			
290	194	96			
333	215	118			
344	213	131			
358	238	120			
366	231	135			
289	80	219			
181	1	180			
6856	4113	2773	407	807	1329
13658	8158	6500	80227	80227	1329
241248	155521	85727			
0.27					

Water passing dam estimated by San Carlos Irrigation Project...

DETERMINATION OF PRIORITY WATER

JANUARY 2001

Mean daily discharge - cubic feet per second

2001	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM								
	River Inflow	RELEASES		STORAGE	Silted 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	Saiford	Winkelman	Ashurst-Hayden		
DEC 31	311	148	148	163	100	166	166	166	18	329	1	1924	1924	1924	1924		
JAN 1	324	146	146	178	261	170	170	170	24	348	2	"	"	"	"	"	"
2	323	146	146	177	543	168	168	168	22	345	3	"	"	"	"	"	"
3	312	121	121	191	233	165	165	165	44	356	4	"	"	"	"	"	"
4	310	106	106	204	233	140	140	140	34	344	5	"	"	"	"	"	"
5	309	106	106	203	389	136	136	136	30	339	6	"	"	"	"	"	"
6	315	106	106	209	467	135	135	135	29	344	7	"	"	"	"	"	"
7	319	98	98	220	467	128	128	128	29	348	8	"	"	"	"	"	"
8	308	96	96	213	390	143	143	143	48	358	9	"	"	"	"	"	"
9	324	97	97	227	859	145	145	145	48	372	10	"	"	"	"	"	"
10	330	61	61	269	470	138	138	138	77	407	11	"	"	"	"	"	"
11	321	41	41	280	705	107	107	107	66	387	12	"	"	"	"	"	"
12	322	21	21	301	785	94	94	94	73	395	13	"	"	"	"	"	"
13	317			317	472	85	85	85	86	402	14	"	"	"	"	"	"
14	310			310	472	70	70	70	70	380	15	"	"	"	"	"	"
15	316			316	1026	64	64	64	64	380	16	"	"	"	"	"	"
16	332			332	712	60	60	60	60	392	17	"	"	"	"	"	"
17	336			336	633	58	58	58	58	394	18	"	"	"	"	"	"
18	332			332	634	57	57	57	57	389	19	"	"	"	"	"	"
19	323			323	636	53	53	53	53	376	20	"	"	"	"	"	"
20	314			314	477	50	50	50	50	364	21	"	"	"	"	"	"
21	303			303	877	47	47	47	47	350	22	"	"	"	"	"	"
22	300			300	719	45	45	45	45	345	23	"	"	"	"	"	"
23	299			299	400	43	43	43	43	342	24	"	"	"	"	"	"
24	295			295	720	41	41	41	41	336	25	"	"	"	"	"	"
25	287			287	642	40	40	40	40	337	26	"	"	"	"	"	"
26	292			292	462	43	43	43	43	335	27	"	"	"	"	"	"
27	295			295	966	43	43	43	43	338	28	"	"	"	"	"	"
28	284			284	484	43	43	43	43	337	29	"	"	"	"	"	"
29	299	21	21	278	665	42	42	42	42	320	30	"	"	"	"	"	"
30	304	29	29	275	808	40	40	40	40	315	31	"	"	"	"	"	"
31	295	57	57	239	324	40	40	40	40	315							

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

FEBRUARY 2001

Mean daily diversions - cubic feet per second

2001	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 Project	COMPUTED PRIORITY YEAR		Ashurst-Hayden
		Total	Natural Flow	Inflow minus Outflow							Ac-ft change S C Res.	Duncan Virden	
JAN 31	296	57	57	239	36		36				1924	1924	1924
FEB 1	292	104	104	188	55		55	-21	275	243	"	"	"
2	279	139	139	140	106		106	-49	243	246	"	"	"
3	276	143	143	133	134		134	-33	267	267	"	"	"
4	269	154	154	115	148		148	-9	263	263	"	"	"
5	260	158	158	102	160		160	-6	262	262	"	"	"
6	249	158	158	91	166		166	2	267	267	"	"	"
7	242	217	217	25	193		193	8	218	218	1915	"	"
8	244	209	209	35	243		243	-24	278	278	1924	1915	"
9	242	166	166	76	194		194	34	270	270	"	1924	"
10	246	167	167	79	189		189	28	268	268	"	"	1915
11	250	168	168	82	189		189	22	271	271	"	"	1915
12	254	132	132	122	186		186	21	308	308	"	"	1924
13	259	96	96	163	152		152	54	315	315	"	"	"
14	258	66	66	192	156		156	56	348	348	"	"	"
15	263	49	49	214	158		158	90	429	429	"	"	"
16	277	49	49	228	215		215	166	670	670	"	"	"
17	286	49	49	237	442		442	393	671	671	"	"	"
18	285	49	49	236	334		334	285	671	671	"	"	"
19	285	50	50	235	127		127	78	363	363	"	"	"
20	273	50	50	223	107		107	57	342	342	"	"	"
21	257	71	71	186	95		95	45	318	318	"	"	"
22	263	85	85	168	90		90	19	276	276	"	"	"
23	241	90	90	151	97		97	12	265	265	"	"	"
24	230	112	112	118	99		99	9	250	250	"	"	"
25	225	138	138	87	112		112	230	230	230	"	"	"
26	238	146	146	92	149		149	11	236	236	"	"	"
27	224	146	146	78	172		172	26	264	264	"	"	"
28	215	147	147	68	169		169	23	247	247	"	"	"

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

DETERMINATION OF PRIORITY WATER

MARCH 2001

Mean daily discharge - cubic feet per second

2001	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
					MAR					MAR				
FEB 28	215	147	68	246	1	175	176	176	28	243	1	1924	1924	1924
MAR 1	183	148	35	164	2	176	176	176	28	211	2	"	"	"
MAR 2	190	161	29	82	3	179	179	179	18	208	3	"	"	"
MAR 3	215	166	49	165	4	191	191	191	25	240	4	"	"	"
MAR 4	259	168	91	168	5	196	196	196	28	287	5	"	"	"
MAR 5	303	168	135	82	6	195	195	195	27	330	6	"	"	"
MAR 6	320	195	125	675	7	193	193	193	-2	318	7	"	"	"
MAR 7	321	181	140	247	8	219	219	219	38	359	8	"	"	"
MAR 8	324	154	170	329	9	188	188	188	34	358	9	"	"	"
MAR 9	479	154	325	246	10	189	189	189	35	514	10	"	"	"
MAR 10	480	189	291	989	11	202	202	202	13	493	11	"	"	"
MAR 11	470	210	260	412	12	219	219	219	9	479	12	"	"	"
MAR 12	536	208	328	330	13	219	219	219	11	547	13	"	"	"
MAR 13	539	257	282	743	14	228	228	228	-29	510	14	"	"	"
MAR 14	527	308	219	330	15	283	283	283	-25	502	15	"	"	"
MAR 15	489	323	166	165	16	308	308	308	-15	474	16	"	"	"
MAR 16	447	371	76	414	17	338	338	338	-33	414	17	1921	"	"
MAR 17	425	429	4	-4	18	410	4	406	-19	406	18	"	1921	"
MAR 18	395	480	85	-166	19	450	75	375	-20	375	19	1915	"	"
MAR 19	379	515	136	-165	20	464	120	344	-35	344	20	1912	1915	1921
MAR 20	364	557	193	-331	21	498	170	328	-36	328	21	1913	1912	"
MAR 21	345	581	236	-330	22	527	208	318	-26	319	22	1909	1913	1915
MAR 22	326	604	278	-660	23	548	245	303	-23	303	23	1913	1909	1912
MAR 23	317	621	304	-660	24	584	268	316	-1	316	24	1915	1913	1913
MAR 24	305	621	316	-316	25	609	278	331	26	331	25	"	1915	1909
MAR 25	303	664	351	-1152	26	642	318	324	21	324	26	"	"	1913
MAR 26	316	690	374	-740	27	672	329	343	27	343	27	"	"	1915
MAR 27	324	680	366	-821	28	677	322	355	31	355	28	"	"	"
MAR 28	329	691	362	-820	29	686	319	367	38	367	29	"	"	"
MAR 29	333	681	333	-348	30	683	306	377	44	377	30	"	"	"
MAR 30	337	675	337	-338	31	678	297	381	44	381	31	"	"	"
MAR 31	341	675	341	-334										

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

APRIL 2001

Mean daily discharge - cubic feet per second

2001	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM				
	River Inflow	RELEASES		STORAGE		Sliticed 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
APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	APR	
MAR 31	341	675	341	334	-334	-655	81	826	128	698	338	394	1915	1915	1915
1	348	676	348	328	-328	-652	81	765	289	398	282	398	"	"	"
2	340	637	340	297	-297	-734	81	578	261	390	81	390	"	"	"
3	332	608	332	276	-276	-651	81	473	243	357	43	357	"	"	"
4	321	606	321	285	-285	-326	81	400	207	356	36	356	"	"	"
5	319	606	319	287	-287	-974	81	400	253	387	68	387	"	"	"
6	360	505	360	146	-145	81	81	826	128	698	338	394	1924	1915	1915
7	499	483	483	16	16	-81	81	765	289	398	282	398	"	"	"
8	763	497	497	266	266	162	162	578	81	844	81	844	"	1924	1924
9	806	430	430	376	376	1056	1056	473	43	849	43	849	"	"	"
10	776	364	364	412	412	570	570	400	36	812	36	812	"	"	"
11	768	359	359	409	409	816	816	364	25	793	25	793	"	"	"
12	767	346	346	421	421	816	816	362	16	783	16	783	"	"	"
13	679	346	346	333	333	818	818	352	6	685	6	685	"	"	"
14	644	391	391	253	253	818	818	364	-27	617	-27	617	"	"	"
15	598	422	422	176	176	246	246	395	-27	571	-27	571	"	"	"
16	563	426	426	137	137	328	328	392	-34	529	-34	529	"	"	"
17	523	443	443	80	80	164	164	401	-42	481	-42	481	1915	"	"
18	484	473	473	11	11	-82	-82	423	-50	434	-50	434	1916	1915	"
19	457	502	457	45	-45	-164	-164	448	-49	408	-49	408	1916	1915	"
20	438	518	438	80	-80	-246	-246	477	-31	407	-31	407	1915	1915	"
21	424	546	424	122	-122	-246	-246	511	-20	404	-20	404	"	"	"
22	417	560	417	133	-133	-82	-82	504	-30	387	-30	387	"	"	"
23	411	473	411	62	-62	-82	-82	465	-1	410	-1	410	"	"	"
24	390	414	390	24	-24	-164	-164	393	-18	372	-18	372	"	"	"
25	378	414	378	36	-36	-164	-164	384	-26	352	-26	352	"	"	"
26	354	414	354	60	-60	-245	-245	381	-26	328	-26	328	"	"	"
27	341	413	341	72	-72	-82	-82	378	-26	315	-26	315	"	"	"
28	326	411	326	86	-86	-245	-245	378	-23	302	-23	302	"	"	"
29	305	411	305	106	-106	-246	-246	377	-21	284	-21	284	1912	"	"
30	291	382	291	91	-91	-81	-81	377	-21	284	-21	284	"	"	"

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

MAY 2001

Mean daily discharge - cubic feet per second

2001	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM				
	River Inflow	RELEASES		STORAGE		Spilled and/or	Diverter	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 Vinden	Safford	Winkelman	Ashurst-Hayden
APR 30	281	382	291	91	-91	-81						1912	1915	1915	
MAY 1	284	420	284	136	-136	-491	1	80	283	-8	283	1912	1912	1912	
2	264	462	264	198	-198	-408	2	120	241	-43	241	1907	"	"	
3	263	464	253	211	-211	-897	3	174	221	-43	221	1903	1907	"	
4	242	461	242	219	-219	-571	4	406	186	-33	220	1924	1903	"	
5	232	518	232	286	-286	-570	5	414	193	-21	221	1895	1924	1907	
6	222	565	222	333	-333	-812	6	447	252	-37	195	1899	1895	1903	
7	220	567	220	337	-337	-667	7	490	293	-25	197	1894	1899	1924	
8	207	581	207	374	-374	-971	8	499	297	-18	202	"	1894	1895	
9	190	597	190	407	-407	-808	9	508	329	-27	180	"	"	1899	
10	180	595	180	415	-415	-856	10	530	368	-18	172	1890	"	1894	
11	176	585	176	409	-409	-826	11	534	365	-11	169	1895	1890	"	
12	167	574	167	407	-407	-882	12	529	360	-7	168	1892	1895	"	
13	158	574	158	416	-416	-840	13	523	368	-2	165	1891	1892	1890	
14	163	571	163	408	-408	-879	14	525	366	1	158	"	1891	1895	
15	160	571	160	411	-411	-718	15	528	359	6	169	1893	"	1892	
16	148	566	148	420	-420	-1033	16	522	362	160	160	1892	1893	1891	
17	148	530	148	382	-382	-1190	17	519	370	149	149	1884	1892	"	
18	136	487	138	349	-349	-949	18	493	336	157	9	"	1884	1893	
19	147	560	147	403	-403	-632	19	466	307	149	11	"	"	1892	
20	166	565	166	429	-429	-1102	20	488	355	143	4	1896	"	1884	
21	161	584	161	423	-423	-865	21	532	378	154	-2	1893	1895	"	
22	168	564	168	426	-426	-1019	22	531	372	159	-2	"	1868	"	
23	150	566	150	406	-406	-704	23	531	375	156	-2	"	"	1895	
24	135	539	135	404	-404	-1325	24	514	357	157	7	"	"	1868	
25	125	546	125	421	-421	-1089	25	493	356	137	2	1882	"	"	
26	113	560	113	437	-437	-931	26	483	370	123	-2	1883	1882	"	
27	100	548	100	448	-448	-1160	27	502	386	117	4	1881	1883	"	
28	90	548	90	458	-458	-1156	28	500	394	108	6	1880	1881	1882	
29	79	548	79	469	-469	-1076	29	492	403	89	-1	1882	1882	1883	
30	75	548	75	473	-473	-1226	30	491	413	78	-1	"	1880	1881	
31	67	548	67	481	-481	-1984	31	486	416	70	-5	"	"	1882	

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

DETERMINATION OF PRIORITY WATER

JUNE 2001

Mean daily discharge - cubic feet per second

2001	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM						
	River Inflow	RELEASES		STORAGE	Spilled and/or	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR				
		Total	Natural Flow	Stored							Inflow minus Outflow	Ac-ft change S C Res.	Duncan V/Idren	Safford	Winkelman
MAY 31	67	548	67	481	-481	-1994	1	485	423	62	-5	62	1872	1880	1880
JUN 1	62	547	62	485	-485	-1064	2	489	427	62	62	62	1845	1872	1880
2	59	547	59	488	-488	-1699	3	484	429	55	-4	55	1845	"	"
3	56	573	56	517	-517	-1507	4	497	455	42	-14	42	"	"	1872
4	54	593	54	529	-529	-1202	5	512	466	46	-8	46	"	"	1845
5	50	581	50	531	-531	-1047	6	513	467	46	-4	46	"	"	"
6	50	560	50	530	-530	-374	7	517	466	51	1	51	"	"	"
7	48	578	48	530	-530	-989	8	516	466	50	2	50	"	"	"
8	43	577	43	534	-534	-1486	9	516	470	46	3	46	"	"	"
9	38	590	38	552	-552	-1257	10	521	486	35	-3	35	"	"	"
10	34	597	34	563	-563	-1327	11	537	496	42	8	42	"	"	"
11	32	597	32	565	-565	-1468	12	533	497	36	4	36	"	"	"
12	31	597	31	566	-566	-1535	13	522	498	24	-7	24	"	"	"
13	29	595	29	566	-566	-3122	14	522	498	24	-5	24	"	"	"
14	27	601	27	574	-574	-1153	15	530	505	25	-2	25	"	"	"
15	26	608	26	582	-582	-1365	16	539	512	27	1	27	"	"	"
16	24	632	24	608	-608	-1430	17	567	535	22	-2	22	"	"	"
17	22	645	22	623	-623	-1363	18	579	548	31	9	31	"	"	"
18	19	644	19	625	-625	-1418	19	582	550	32	13	32	"	"	"
19	16	661	16	645	-645	-1552	20	593	568	25	9	25	"	"	"
20	14	674	14	660	-660	-1685	21	611	581	30	16	30	"	"	"
21	14	674	14	660	-660	-1397	22	615	581	34	20	34	"	"	"
22	15	673	15	658	-658	-1391	23	617	579	38	23	38	"	"	"
23	13	673	13	660	-660	-1453	24	617	581	36	23	36	"	"	"
24	11	672	11	661	-661	-1515	25	621	582	39	28	39	"	"	"
25	12	671	12	659	-659	-1644	26	633	580	53	41	53	"	"	"
26	11	672	11	661	-661	-1159	27	629	582	47	36	47	"	"	"
27	22	673	22	661	-661	-1629	28	623	573	50	28	50	"	"	"
28	27	672	27	645	-645	-1484	29	619	568	51	24	51	"	"	"
29	11	671	11	660	-660	-1544	30	620	581	39	28	39	"	"	"
30	9	670	9	661	-661	-1468									

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

JULY 2001

Mean daily discharge - cubic feet per second

2001		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM					
		RELEASES		STORAGE		Spilled and/or		Natural		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR			
		River Inflow	Total	Natural Flow	Inflow minus Outflow	Ac-ft change S C Res.	Spilled	Diverted	Stored	Natural Flow	Duncan Varden	Safford	Winkelman	Ashurst-Hayden	
JUN 30	9	670	9	661	-661	-1488	1	617	582	35	26	35	1845	1845	1845
JUL 1	8	705	8	697	-697	-1197	2	640	613	27	19	27	"	"	"
JUL 2	7	695	7	688	-688	-1323	3	648	605	43	36	43	"	"	"
JUL 3	5	712	5	707	-707	-1711	4	646	622	24	19	24	"	"	"
JUL 4	5	738	5	733	-733	-1767	5	686	645	41	36	41	"	"	"
JUL 5	4	738	4	734	-734	-1826	6	778	646	132	128	132	"	"	"
JUL 6	5	752	5	747	-747	-1660	7	932	675	276	270	276	"	"	"
JUL 7	6	739	6	733	-733	-1424	8	932	645	287	281	287	"	"	"
JUL 8	9	723	9	714	-714	-1741	9	831	628	203	194	203	1869	1869	1869
JUL 9	10	673	10	663	-663	-1415	10	666	583	73	63	73	1881	1881	1881
JUL 10	10	655	10	645	-645	-1344	11	618	568	50	40	50	1873	1873	1873
JUL 11	10	660	10	650	-650	-1405	12	622	572	50	40	50	1845	1845	1845
JUL 12	11	660	11	649	-649	-1526	13	619	571	48	37	48	1881	1881	1881
JUL 13	12	659	12	647	-647	-1458	14	614	569	45	33	45	1845	1845	1845
JUL 14	13	659	13	646	-646	-1390	15	614	568	46	33	46	1873	1873	1873
JUL 15	16	659	16	643	-643	-1447	16	606	566	40	24	40	1845	1845	1845
JUL 16	13	661	13	648	-648	-1558	17	614	570	44	31	44	1845	1845	1845
JUL 17	12	686	12	684	-684	-1437	18	637	602	35	23	35	1845	1845	1845
JUL 18	9	716	9	707	-707	-1660	19	664	622	42	33	42	1845	1845	1845
JUL 19	8	770	8	762	-762	-1673	20	726	671	55	47	55	1845	1845	1845
JUL 20	7	806	7	799	-799	-1727	21	784	703	61	54	61	1845	1845	1845
JUL 21	12	805	12	793	-793	-1843	22	773	698	76	63	76	1845	1845	1845
JUL 22	13	757	13	744	-744	-1711	23	742	655	87	74	87	1845	1845	1845
JUL 23	11	757	11	746	-746	-1522	24	735	656	79	68	79	1845	1845	1845
JUL 24	9	761	9	752	-752	-1817	25	729	662	67	58	67	1845	1845	1845
JUL 25	12	761	12	749	-749	-1689	26	732	659	73	61	73	1845	1845	1845
JUL 26	19	731	19	712	-712	-1561	27	700	627	73	64	73	1845	1845	1845
JUL 27	7	712	7	705	-705	-1555	28	667	620	47	40	47	1845	1845	1845
JUL 28	4	757	4	753	-753	-2260	29	698	663	35	35	35	1845	1845	1845
JUL 29	27	786	27	759	-759	-1124	30	923	668	255	228	255	1921	1921	1921
JUL 30	17	662	17	666	-666	-473	31	647	497	150	133	150	1876	1876	1876
JUL 31	9	402	9	393	-393										

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

AUGUST 2001

Mean daily discharge - cubic feet per second

2001		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.	Splilled	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	Aug	Wyrden	Safford	Winkelman
JUL 31	9	402	9	393	-393					74	65	74	1	1882	1875	1845	1845
AUG 1	39	386	39	347	-347	-1590				428	84	123	2	1916	1882	1921	1921
2	56	385	56	329	-329	-881				443	97	153	3	1889	1915	1875	1875
3	37	385	37	348	-348	-878				425	82	119	4	1886	1889	1882	1882
4	44	387	44	343	-343	-409				594	248	292	5	1887	1888	1915	1915
5	58	421	58	363	-363	-817				430	53	111	6	1876	1887	1889	1889
6	22	442	22	420	-420	-1047				419	27	49	7	1845	1876	1888	1888
7	16	469	16	453	-453	-928				435	20	36	8	"	1845	1887	1887
8	15	500	15	485	-485	-1214				478	36	51	9	1868	"	1876	1876
9	15	500	15	485	-485	-980				490	48	63	10	1845	1868	1845	1845
10	25	500	25	475	-475	-1035				473	30	55	11	1869	1845	"	"
11	16	500	16	484	-484	-1145				507	65	81	12	1876	1869	1868	1868
12	13	500	13	487	-487	-1142				481	39	52	13	1853	1876	1845	1845
13	21	474	21	453	-453	-910				465	46	67	14	1877	1883	1889	1889
14	20	459	20	439	-439	-1022				454	48	68	15	1915	1877	1876	1876
15	21	480	21	459	-459	-1017				505	80	101	16	1921	1915	1883	1883
16	73	524	73	451	-451	-1185				640	170	243	17	1915	1921	1877	1877
17	188	528	188	371	-371	-1011				535	51	209	18	"	1915	1915	1915
18	147	528	147	381	-381	-1008				526	44	181	19	1895	"	1921	1921
19	129	527	129	398	-398	-1004				504	25	135	20	1885	1895	1915	1915
20	113	522	113	409	-409	-944				495	22	135	21	1888	1885	"	"
21	86	493	86	407	-407	-939				466	22	108	22	1902	1888	1895	1895
22	54	477	54	423	-423	-1043				434	8	62	23	1879	1902	1885	1885
23	77	475	77	398	-398	-1038				422	-5	72	24	1882	1879	1888	1888
24	71	475	71	404	-404	-1031				417	-10	61	25	1869	1882	1902	1902
25	38	494	38	456	-456	-1025				425	-14	24	26	1874	1869	1879	1879
26	23	506	23	483	-483	-1020				440	-8	15	27	1868	1874	1882	1882
27	15	506	15	491	-491	-1015				450	3	18	28	"	1868	1869	1869
28	11	469	11	458	-458	-955				432	18	18	29	"	"	1874	1874
29	8	407	8	399	-399	-950				377	18	26	30	1846	"	1868	1868
30	7	388	7	381	-381	-839				358	16	23	31	1887	1846	"	"
31	8	368	8	380	-380	-840				358	16	23					

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

SEPTEMBER 2001

Mean daily discharge - cubic feet per second

2001	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM - COMPUTED PRIORITY YEAR						
	River Inflow	RELEASES		STORAGE		Sluiced and/or Spilled	ASHURST-HAYDEN DAM		Gain/Loss Nat.Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR						
		Total	Natural Flow	Stored	Inflow minus Outflow		Ac-ft change S C Res.	Diverted			Stored	Natural Flow	Duncan Virden	Safford	Winkelman	Ashurst-Hayden	
SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP				
1	8	388	8	380	-380	-940	1	367	334	33	25	33	1	1879	1887	1868	1866
2	17	388	17	371	-371	-935	2	368	326	32	15	32	2	1879	1879	1846	1846
3	12	368	12	366	-366	-775	3	341	313	28	16	28	3	1883	"	1887	1887
4	12	366	12	344	-344	-771	4	320	303	17	5	17	4	1882	1883	1879	1879
5	12	365	12	343	-343	-819	5	314	302	12	12	12	5	1878	1882	"	"
6	10	354	10	344	-344	-864	6	307	303	4	-6	4	6	1845	1878	1883	1883
7	8	354	8	346	-346	-862	7	307	304	3	-5	3	7	"	1845	1882	1882
8	7	328	7	321	-321	-855	8	300	282	18	11	18	8	"	"	1878	1878
9	7	311	7	304	-304	-780	9	275	268	7	7	7	9	"	"	1845	1845
10	7	296	7	289	-289	-698	10	268	264	14	7	14	10	"	"	"	"
11	7	285	7	278	-278	-644	11	251	245	6	-1	6	11	"	"	"	"
12	6	273	6	267	-267	-691	12	244	235	9	3	9	12	1878	"	"	"
13	6	249	6	243	-243	-580	13	235	214	21	15	21	13	1845	1878	"	"
14	8	234	8	226	-226	-294	14	219	199	20	12	20	14	1869	1845	"	"
15	10	234	10	224	-224	-440	15	213	197	16	6	16	15	1877	1869	1878	1878
16	11	234	11	223	-223	-536	16	207	196	11	11	11	16	1874	1877	1845	1845
17	8	234	8	226	-226	-534	17	206	199	7	-1	7	17	1868	1874	1869	1869
18	6	238	6	233	-233	-629	18	201	201	1	-5	1	18	1876	1868	1877	1877
19	6	242	6	236	-236	-577	19	202	202	1	-6	1	19	1846	1876	1874	1874
20	10	220	10	210	-210	-528	20	204	185	19	9	19	20	1882	1846	1868	1868
21	15	211	15	196	-196	-525	21	190	172	18	3	18	21	1884	1882	1876	1876
22	13	214	13	201	-201	-475	22	184	177	7	-6	7	22	1881	1884	1846	1846
23	9	213	9	204	-204	-569	23	181	180	1	-8	1	23	1880	1881	1882	1882
24	7	214	7	207	-207	-615	24	185	182	3	-4	3	24	1876	1880	1884	1884
25	5	213	5	208	-208	-611	25	186	183	3	-2	3	25	"	1876	1881	1881
26	3	212	3	209	-209	-468	26	182	182	1	-3	1	26	1874	"	1880	1880
27	5	207	5	202	-202	-465	27	176	176	1	-5	1	27	1845	1874	1876	1876
28	3	233	3	230	-230	-605	28	179	179	1	-3	1	28	1845	1845	"	"
29	2	250	2	248	-248	-647	29	206	206	1	-2	1	29	1845	1876	1874	1874
30	2	248	2	246	-246	-598	30	204	204	1	-2	1	30	"	1845	1845	1845
	2	247	2	245	-245	-595		358	216		140	142					

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

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

DETERMINATION OF PRIORITY WATER

OCTOBER 2001

Mean daily discharge - cubic feet per second

		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM						
		RELEASES		STORAGE		Spilled and/or Diverted		Natural Flow		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR				
2001	River Inflow	Total	Natural Flow	Inflow minus Outflow	Ac-ft change S C Res.	OCT	Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	Duncan Virden	Safford	Winkelman	Asturist-Hayden
SEP 30	2	247	2	245	-245	-595	1	201	201	21	16	21	1845	1845	1876	1876
OCT 1	1	247	2	248	-248	-729	2	212	212	19	12	19	"	"	1845	1845
2	2	249	1	246	-246	-590	3	206	206	37	18	37	"	"	"	"
3	4	248	2	271	-271	-451	4	210	210	26	8	26	"	"	"	"
4	4	275	4	269	-269	-674	5	238	238	17	1	17	"	"	"	"
5	5	293	4	288	-288	-670	6	244	244	21	16	21	"	"	"	"
6	5	293	5	288	-288	-666	7	274	263	19	12	19	"	"	"	"
7	7	293	5	286	-286	-531	8	271	252	37	18	37	"	"	"	"
8	19	293	7	272	-272	-617	9	266	239	26	8	26	"	"	"	"
9	18	291	19	273	-273	-656	10	266	240	17	1	17	"	"	"	"
10	16	291	18	275	-275	-653	11	259	242	40	27	40	"	"	"	"
11	13	291	16	240	-240	-519	12	251	211	22	11	22	"	"	"	"
12	11	253	13	216	-216	-604	13	212	190	13	2	13	"	"	"	"
13	11	227	11	216	-216	-557	14	203	190	10	1	10	"	"	"	"
14	13	227	11	215	-215	-512	15	199	189	8	-4	8	"	"	"	"
15	12	228	13	217	-217	-637	16	199	191	182	-10	182	"	"	"	"
16	10	228	12	218	-219	-380	17	182	192	188	-10	188	"	"	"	"
17	10	229	10	219	-219	-506	18	188	188	186	-11	186	"	"	"	"
18	11	228	10	217	-217	-502	19	186	186	194	-8	194	"	"	"	"
19	8	228	11	221	-221	-459	20	194	194	3	-4	3	"	"	"	"
20	7	229	8	222	-222	-488	21	198	195	4	-4	4	"	"	"	"
21	8	229	7	221	-221	-454	22	198	194	8	-5	8	"	"	"	"
22	9	229	8	220	-220	-535	23	198	194	8	-3	8	"	"	"	"
23	11	228	9	215	-215	-450	24	197	189	13	1	13	"	"	"	"
24	12	226	11	207	-207	-529	25	195	182	10	-2	10	"	"	"	"
25	12	219	12	206	-206	-446	26	191	181	68	56	68	"	"	"	"
26	12	218	12	66	-66	-162	27	188	58	130	118	130	"	"	"	"
27	12	78	12	12	12	-41	28	88	69	169	157	169	"	"	"	"
28	12	12	12	12	12	-41	29	70	12	94	82	94	"	"	"	"
29	11	11	11	11	11	-41	30	60	12	83	72	83	"	"	"	"
30	12	12	12	12	12	-40	31	45	11	68	56	68	"	"	"	"
31	12	12	12	12	12	-40							"	"	"	"

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

NOVEMBER 2001

Mean daily discharge - cubic feet per second

2001	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				
	River Inflow	RELEASES		STORAGE	Sluiced and/or Spilled	Diverfled	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 V/Idren	Winkelman
OCT 31	12			-40	35				35	47	1894	1896	1924
NOV 1	20			-40	30				30	50	1896	1894	1896
2	26				30				30	55	1892	1896	"
3	24				30				30	54	1891	1892	1894
4	21				25				25	46	1890	1891	1896
5	24			-161	25				25	49	1892	1890	1892
6	29			40	25				25	54	"	1892	1891
7	30			-40	15				15	45	1895	"	1890
8	24			40	15				15	39	1897	1895	1892
9	23			-161	15				15	38	1896	1897	"
10	24				15				15	39	1897	1896	1895
11	23				15				15	38	1916	1897	1897
12	23				10				10	33	1924	1916	1896
13	26			-80	10				10	36	"	1924	1897
14	27			-40	10				10	37	"	"	1916
15	28			-40	10				10	38	"	"	1924
16	32			40	10				10	42	"	"	"
17	33				10				10	43	"	"	"
18	35				6				6	41	"	"	"
19	39				6				6	45	"	"	"
20	42				6				6	48	"	"	"
21	44				6				6	50	"	"	"
22	45			160	6				6	51	"	"	"
23	47			-200	6				6	53	"	"	"
24	44				6				6	50	"	"	"
25	45			-40	6				6	51	"	"	"
26	60				6				6	66	"	"	"
27	64			-40	6				6	60	"	"	"
28	66			40	6				6	62	"	"	"
29	68				6				6	64	"	"	"
30	63			80	6				6		"	"	"

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

DETERMINATION OF PRIORITY WATER

DECEMBER 2001

Mean daily discharge - cubic feet per second

2001	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM				
	RELEASES		STORAGE			Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR			
	River Inflow	Total	Natural Flow	Stored	Inflow minus Outflow							Ac-ft change S C Res.	Duncan Virden	Safford	Winkelman
NOV 30	63		68	139	63							1924	1924	1924	1924
DEC 1	66	207	70	236	-139	-361	31	31	-88	63		1915	"	"	"
2	70	306	70	236	-236	-519			-70			1894	1915	"	"
3	69	306	69	237	-237	-516	183	183	-89			1885	1894	"	"
4	74	306	74	232	-232	-523			-68	16	16	1894	1885	1915	1915
5	77	304	77	227	-227	-424	234	200	-43	34	34	1896	1894	1894	1894
6	74	303	74	229	-229	-511	244	202	-32	42	42	1895	1896	1895	1895
7	72	303	72	231	-231	-431	253	203	-22	50	50	1896	1895	1894	1894
8	72	303	72	231	-231	-666	269	203	-16	66	66	1896	1896	1896	1896
9	72	302	72	230	-230	-487	264	202	-10	62	62	1898	1893	1895	1895
10	76	300	76	224	-224	-643	270	197	-3	73	73	1913	1898	1896	1896
11	80	300	80	220	-220	-311	281	194	7	87	87	1915	1913	1893	1893
12	86	240	86	164	-164	-387	267	136	35	121	121	"	1915	1898	1898
13	90	165	90	95	-95	-308	205	84	31	121	121	"	"	1913	1913
14	94	166	94	72	-72	-192	179	63	22	116	116	"	"	1915	1915
15	96	166	96	70	-70	-116	172	62	14	110	110	1899	"	"	"
16	96	214	96	118	-118	-346	177	104	-23	73	73	1887	1899	"	"
17	100	239	100	139	-139	-308	219	122	-3	97	97	1889	1887	"	"
18	109	238	109	129	-129	-344	225	114	2	111	111	1890	1889	1899	1899
19	108	238	108	130	-130	-343	228	114	6	114	114	1894	1890	1887	1887
20	107	238	107	131	-131	-267	229	115	7	114	114	1915	1894	1889	1889
21	110	185	110	76	-76	-305	220	66	44	154	154	"	1915	1890	1890
22	115	148	115	33	-33	-114	174	29	30	145	145	1899	"	1894	1894
23	118	246	118	128	-128	-306	191	113	-40	78	78	1904b	1899	1915	1915
24	120	341	120	221	-221	-530	290	194	-24	96	96	1893	1904b	"	"
25	117	361	117	244	-244	-586	333	216	1	118	118	1888	1893	1899	1899
26	120	362	120	242	-242	-565	344	213	11	131	131	"	1888	1899	1904b
27	118	389	118	271	-271	-600	358	238	2	120	120	1886	"	1893	1893
28	113	376	113	263	-263	-650	366	231	22	135	135	1886	1886	1888	1888
29	114	205	114	91	-91	-224	299	80	105	219	219	1924	1890	"	"
30	116	117	116	1	-1	-37	181	1	64	180	180	"	1924	1886	1886
31	123	117	117		6	-149									

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 TBI		New Model TBI		Valley TBI		Colmenero		Sexton		R. Saxton		York		F. E. Ross		York Cattle		J H Brown		R K Davis		Laura Short		Albert		Total			
	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Decreed	2001	Total Modified	
1874	6.3	5.6																										8.3	5.6	
1881	12.1	10.7																											12.1	10.7
1882	13.2	11.7																											13.2	11.7
1884	16.5	13.7		0.6																									13.7	12.1
1885	16.5	13.7		2.2	1.8	1.0	0.6																						18.7	16.1
1886				4.1	3.3	2.0	1.2																						21.6	18.2
1887	16.1	14.2		4.2	3.3	7.2	4.3																						22.3	22.9
1888				6.6	5.3																								28.9	30.5
1889				7.8	6.3																								31.2	24.8
1891	16.5	14.6		8.0	6.4																								31.7	25.3
1892	17.7	15.6																											32.9	26.3
1893	17.8			8.8	7.0																								33.8	26.9
1894				11.1	8.8																								37.1	29.3
1895	19.8	17.5		12.0	9.6	8.2	4.9																						41.4	32.9
1896	21.0	18.6		14.2	11.3	9.6	5.8																						44.8	36.7
1897	21.1	18.6		18.7	13.7	13.7	8.2	0.9																					53.3	45.5
1898	24.4	21.6		23.6	14.4	14.4	8.7	1.1																					68.4	53.9
1900	27.6	24.4		30.7	24.4	14.6	8.8	1.2	0.8																				75.4	57.6
1901								1.6	1.3																				76.1	57.6
1902								1.6	1.3																				78.2	57.6
1903								2.4	1.4																				79.3	57.6
1904	28.5	25.2		31.3	24.9	15.1	9.1	3.0																					81.3	58.7
1905				31.5	25.1	15.2	9.1	3.4																					82.4	59.2
1906				31.6	25.2			5.0																					83.4	59.4
1907				32.3	25.7	16.6	10.0	5.3																					85.1	59.5
1908				32.3	25.7			5.3																					85.1	59.5
1909				32.5	25.9																								89.1	60.9
1910																													90.4	60.9
1911	28.1	25.7		32.7	26.0	15.1	9.1	2.4	1.4																				81.1	61.1
1912				32.8	26.1	15.2	9.1	3.0																					81.1	61.1
1913				32.8	26.1																								82.4	61.6
1914	29.4	26.0		33.1	26.4	17.0	10.2	5.4																					82.4	61.7
1915																													82.4	61.7
1916																													82.4	61.7
1917	33.6	29.7		33.3	26.6	17.1	10.3	5.5																					84.1	66.6
1918	34.4	30.4				17.3	10.4	5.5																					84.1	66.6
1919																													85.0	67.3
1920																													85.0	67.3
1921																													85.2	67.5
1926	34.6	30.6		33.6	26.7																								85.3	67.6
1929																													85.3	67.6
Total	34.6	30.6		34.0	27.1	17.3	10.4	5.5	1.7	1.8	1.8	3.9	3.9	3.9	0.1	0.5	0.6	0.3	0.3	0.3	0.3	0.3	0.5	0.0	0.1	0.1	85.8	100.6	88.0	
DECREED ACRES	2,769.90			2,717.55		1,387.20		441.00	137.90	144.10	144.10	315.10	315.10	11.60	49.80	49.80	25.60	25.60	25.60	25.60	25.60	25.60	26.30	36.50	8.80	8.80	8,051.35			
TBI ACRES	2,436.28			2,163.85		834.88		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	5,437.01		
% REDUCTION	11.65%			20.37%		38.82%		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%	32.55%		
% ACRES TBI	85.35%			78.63%		60.18%		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%	67.45%		

Note: for blank spaces use first figure above modified effective December 1, 2001, 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		Furness		San Jose		Monterey		Union-Sunflower		Graham		Smithville		Dodge-Nevada		Curtis		Fort Thomas		Coblin-Jones		TBI/TOTAL		
	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	Decred	TBI 2001	2001
1872																									0.4
1873																									0.8
1874		0.4		1.1					3.4																1.0
1875		0.6		3.4					4.8																6.8
1876		1.2		8.7					6.5																13.7
1877		2.1		8.9					6.5																20.4
1878		2.6		10.0					8.9																28.7
1879		3.0		11.2					12.1																38.6
1880		3.6		12.3					15.2																42.8
1881		4.0		13.4					14.8																51.2
1882		4.8		14.4					17.4																62.4
1883		5.2		16.7					18.3																72.7
1884		5.8		17.8					21.3																85.6
1885		6.4		20.0					31.9																104.8
1886		6.8		21.2					31.9																128.1
1887		8.4		23.8					47.9																142.0
1888		8.6		25.0					42.2																160.8
1889		8.7		22.8					53.9																171.0
1890		9.3		23.8					48.8																181.4
1891		11.8		24.8					68.8																202.8
1892		12.1		24.8					72.4																215.8
1893		13.1		24.8					70.8																221.2
1894		13.2		25.6					71.8																228.0
1895		14.8		25.6					88.8																235.6
1896		14.8		28.6					98.0																246.0
1897		15.9		28.6					98.0																247.4
1898		15.4		30.4					98.0																253.0
1899		15.9		31.9					98.0																260.3
1900		15.9		33.3					98.0																270.7
1901		15.9		33.3					98.0																277.7
1902		15.9		34.5					98.0																285.2
1903		15.9		35.7					98.0																292.2
1904		15.4		35.4					98.0																297.2
1905		15.9		41.6					98.0																318.7
1906		15.9		42.8					98.0																321.8
1907		15.9		43.5					98.0																328.1
1908		15.9		48.4					98.0																350.4
1909		15.9		48.8					98.0																364.4
1910		15.9		48.8					98.0																375.5
1911		15.9		50.4					98.0																385.8
1912		15.9		51.0					98.0																392.2
1913		15.9		51.0					98.0																397.4
1914		16.1		51.0					98.0																404.4
1915		16.1		51.0					98.0																408.3
1916		16.1		51.0					98.0																408.3
1917		16.1		51.0					98.0																408.3
1918		16.1		51.0					98.0																408.3
1919		16.1		51.0					98.0																408.3
1920		16.8		51.0					98.0																408.3
Total		16.8		51.0					98.0																408.3
DECREED ACRES		1,328.89		4,150.03					4,833.98																32,512.40
TBI/ACRES		1,020.33		3,694.48					3,886.18																28,018.92
% REDUCTION		22.43%		10.88%					19.39%																13.83%
% ACRES TBI		77.57%		89.02%					80.81%																86.17%

Note: for blank spaces use first figure above modified effective December 1, 2001, in accordance with Court Order

2001

COMPARISON OF U.S.G.S. 2001 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	(167)	53	(139)	22	36	38	15	151	2	(222)	45	0	(166)
Gila River Near Clifton	12	6	730	149	86	70	52	149	53	20	26	0	1,353
San Francisco River @ Clifton	563	371	154	240	(143)	(36)	(64)	(66)	87	127	(40)	0	1,193
Head of Safford Valley	1,210	448	1,044	(544)	1,117	(22)	34	496	200	(123)	0	(19)	3,841
Gila @ Calva	(76)	408	(321)	568	24	154	67	(87)	99	(9)	18	(127)	718
San Carlos River @ Peridot	30	(940)	(5)	0	(108)	5	(1)	10	0	37	(8)	(16)	(996)
Gila Below Coolidge Dam	33	246	(32)	(363)	(95)	210	(70)	(327)	145	0	0	14	(239)
Gila @ Kelvin	2,624	(1,150)	286	26	829	2,400	496	(105)	(942)	(74)	(90)	(16)	4,284

Note: revised data not used in Water Commissioner's 2001 Annual Report

2001

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

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	139	121	196	305	181	40	23	113	148	57	73	91
2	138	114	307	304	179	42	21	99	133	54	75	92
3	136	111	358	297	176	41	21	112	119	53	76	88
4	135	106	363	295	176	39	20	118	108	56	75	83
5	134	109	342	291	178	36	19	124	96	57	70	86
6	134	116	317	300	180	36	18	108	87	57	68	85
7	130	116	300	323	174	34	18	97	80	57	74	83
8	128	119	298	331	169	29	21	86	71	53	79	83
9	136	122	312	311	153	26	24	96	66	54	80	92
10	142	126	327	292	140	24	70	79	61	59	80	93
11	142	130	340	285	146	22	81	78	57	60	81	94
12	143	131	353	274	148	19	67	84	55	62	80	97
13	143	133	336	268	147	17	55	151	55	63	76	98
14	142	136	303	259	152	16	49	164	104	66	77	97
15	142	139	286	245	156	16	49	260	156	68	80	98
16	141	146	273	234	151	15	48	616	165	67	83	98
17	140	153	268	226	145	14	46	468	165	66	84	95
18	138	155	266	220	139	14	43	504	163	66	85	95
19	137	154	260	219	138	15	50	372	155	71	85	94
20	135	152	248	203	135	17	55	303	139	74	83	93
21	133	152	234	204	127	18	74	278	128	69	83	94
22	133	152	222	223	119	18	72	269	113	65	84	95
23	133	155	230	243	111	18	68	222	103	70	89	93
24	134	163	249	237	100	18	60	191	93	73	90	93
25	133	173	268	223	92	18	43	178	86	72	90	93
26	131	182	266	208	86	19	39	164	79	69	88	92
27	126	189	283	203	79	20	43	145	73	68	85	93
28	130	197	313	198	71	23	38	124	67	71	90	93
29	132		321	189	62	21	54	128	64	67	95	92
30	129		327	185	54	23	70	130	61	64	91	91
31	130		313		45		122	204		66		89
Total	4199	3952	9079	7595	4109	708	1481	6065	3050	1974	2449	2853
Ac-ft	8329	7839	18008	15065	8150	1404	2938	12030	6050	3915	4858	5659

Total for year: 94,245 acre-feet

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

2001

GILA RIVER NEAR CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	140	130	121	244	128	40	27	43	114	40	40	64
2	136	127	126	240	124	39	28	70	113	40	40	64
3	132	118	203	237	121	39	36	65	96	35	42	64
4	130	111	266	228	117	38	32	59	87	35	43	66
5	132	104	272	234	117	37	31	66	85	30	45	62
6	134	98	265	240	117	37	32	68	81	29	47	58
7	135	100	252	238	116	36	31	65	80	29	46	59
8	126	103	239	245	110	36	31	62	79	29	45	59
9	134	99	237	249	110	36	31	59	77	29	48	59
10	138	96	256	241	105	35	31	65	77	29	49	63
11	131	99	264	231	100	34	30	69	77	27	52	70
12	139	99	278	227	95	34	30	56	76	28	53	73
13	142	100	286	221	90	33	29	60	78	30	54	76
14	144	100	278	219	85	33	28	112	75	32	54	78
15	146	101	250	210	110	33	27	115	90	34	54	82
16	148	101	225	202	105	33	27	162	80	36	55	83
17	146	104	207	193	105	34	29	235	80	37	56	84
18	142	115	199	184	100	34	30	217	80	37	57	85
19	138	121	192	178	95	33	29	193	75	36	57	85
20	135	111	186	171	90	34	28	151	70	36	59	84
21	133	104	172	157	85	34	30	149	65	38	60	85
22	132	102	158	151	80	34	29	130	60	40	62	84
23	133	98	146	163	75	32	27	120	60	39	61	86
24	132	95	149	177	70	32	28	115	55	36	64	85
25	130	92	163	177	65	31	30	110	55	36	65	84
26	130	99	182	171	60	31	28	100	50	37	65	85
27	133	106	185	163	55	31	28	90	50	37	65	86
28	131	115	200	153	50	30	26	85	45	38	63	86
29	132		227	144	33	29	26	80	45	40	60	86
30	132		233	134	29	29	27	75	45	42	63	87
31	131		239		25		36	81		42		86
Total	4197	2948	6656	6022	2767	1021	912	3127	2200	1083	1624	2358
Ac-ft	8325	5847	13202	11945	5488	2025	1809	6202	4364	2148	3221	4677

Total for year: 69,253 acre-feet

Drainage area.—4,010 sq. mi.

2001

SAN FRANCISCO RIVER AT CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	132	106	232	297	245	63	33	135	78	42	43	65
2	129	106	318	292	224	62	31	105	71	41	49	63
3	124	103	309	286	210	59	35	75	68	44	48	61
4	123	103	287	288	207	61	38	62	65	45	47	63
5	124	101	273	281	190	56	32	51	57	48	47	65
6	122	101	268	668	178	64	32	45	60	49	50	66
7	123	103	275	745	167	70	39	43	55	50	52	65
8	126	107	305	680	156	64	46	44	54	50	52	65
9	128	121	328	650	148	60	114	47	52	50	53	64
10	132	125	356	657	143	58	128	58	51	46	54	63
11	131	129	388	632	138	56	83	62	52	50	54	64
12	126	128	393	568	139	54	63	86	52	50	56	67
13	126	127	362	505	136	53	61	82	58	51	57	68
14	123	130	339	465	134	51	58	190	69	46	59	67
15	118	133	319	429	132	48	56	398	76	44	60	67
16	118	138	311	410	125	44	54	258	81	42	60	67
17	116	143	310	389	117	44	51	204	77	41	57	66
18	111	138	299	373	112	45	51	193	69	36	54	66
19	111	135	288	372	118	44	48	178	80	39	56	66
20	110	135	276	380	155	41	45	157	80	40	61	66
21	107	131	266	378	128	39	39	294	72	40	62	66
22	105	136	267	365	114	42	46	209	66	42	62	66
23	107	143	280	349	105	40	45	147	63	45	63	67
24	104	165	312	324	96	40	42	122	58	46	61	68
25	106	190	329	298	90	40	40	103	55	44	61	69
26	104	191	328	278	86	42	39	90	54	46	62	68
27	106	188	332	268	81	43	44	80	53	48	64	67
28	114	197	337	269	74	41	47	72	51	49	65	67
29	112		334	261	79	43	101	64	49	48	66	67
30	109		327	260	77	38	201	86	45	48	66	67
31	107		312		77		84	94		43		69
Total	3634	3753	9660	12417	4181	1505	1826	3834	1871	1403	1701	2045
Ac-ft	7208	7444	19161	24629	8293	2985	3622	7605	3711	2783	3374	4056

Total for year: 94,871 acre-feet

Drainage area.—2,766 sq. mi.

2001

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

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	274	272	464	578	389	108	76	240	220	88	95	143
2	268	273	527	572	375	107	75	200	210	84	95	143
3	264	270	584	550	361	104	80	180	200	83	98	141
4	260	270	597	545	341	100	85	170	190	84	98	141
5	257	269	591	554	329	100	83	165	175	85	99	142
6	251	269	579	772	318	95	81	140	164	87	102	141
7	247	277	568	1290	306	96	82	134	156	88	103	141
8	244	285	584	1220	292	94	86	134	147	87	106	142
9	244	291	598	1130	280	93	95	137	141	88	108	141
10	252	302	634	1130	264	91	150	134	136	89	111	143
11	249	307	657	1090	249	87	147	161	131	87	114	145
12	241	308	690	963	235	86	112	152	128	86	116	151
13	242	309	675	852	225	84	97	169	131	85	117	153
14	242	321	651	766	214	81	94	222	136	90	120	155
15	242	330	647	696	211	81	91	591	146	92	120	156
16	243	336	618	649	215	81	86	517	180	93	123	159
17	243	342	601	619	199	77	89	491	175	94	125	159
18	240	348	583	594	191	77	96	457	170	93	124	160
19	238	350	564	575	192	78	95	426	164	90	124	160
20	237	353	549	565	195	78	90	379	165	91	125	159
21	236	352	532	558	185	78	91	399	150	92	127	155
22	237	354	520	540	175	77	86	447	137	95	129	155
23	240	360	511	526	166	79	92	359	126	95	128	156
24	243	370	525	509	156	76	93	315	118	94	131	157
25	245	387	548	492	145	73	89	276	117	93	134	158
26	249	405	563	472	136	77	94	247	112	94	136	158
27	255	415	567	449	130	78	97	224	106	92	135	159
28	265	424	576	437	115	76	99	207	102	93	137	159
29	271		590	412	103	76	107	205	97	94	137	159
30	270		602	400	105	74	270	203	92	96	138	157
31	268		599		101		210	225		97		157
Total	7757	9149	18094	20505	6898	2562	3218	8306	4422	2799	3555	4705
Ac-ft	15386	18147	35889	40672	13682	5082	6383	16475	8771	5552	7051	9332

Total for year: 182,422 acre-feet

Drainage area.—7,896 sq. mi.

2001

GILA RIVER AT CALVA, ARIZONA

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	305	260	166	340	281	62	8.4	34	17	1.4	15	59
2	304	247	174	332	261	59	7.2	47	12	2.4	18	61
3	293	244	198	325	251	56	5.4	35	12	4.4	17	60
4	291	240	242	314	240	54	4.8	44	12	4.1	14	65
5	290	233	286	312	230	50	3.9	34	10	5.3	15	68
6	296	220	305	351	220	50	4.6	22	8.4	5.3	20	64
7	300	209	306	484	218	48	6.3	16	7	7.2	21	61
8	288	207	308	743	205	43	9.2	15	7.1	19	15	62
9	300	202	312	787	188	38	9.8	15	6.9	17	15	62
10	305	203	319	760	178	34	9.8	25	6.8	14	16	65
11	298	206	349	753	174	32	10	16	5.8	12	17	69
12	300	205	394	754	165	31	11	13	5.9	11	18	74
13	296	207	436	668	156	29	12	21	8.1	11	20	77
14	289	207	451	635	161	27	13	20	9.5	13	21	79
15	295	213	426	590	158	26	16	20	11	12	22	81
16	310	213	402	555	146	24	13	70	8	10	25	80
17	313	219	390	515	146	22	12	155	5.4	9.9	27	84
18	310	226	367	477	136	19	9.1	146	6	11	28	94
19	302	227	355	450	144	16	7.7	129	9.6	7.6	32	95
20	293	213	343	432	153	14	7.4	113	15	7.3	35	95
21	282	201	327	419	157	14	12	86	13	7.5	37	98
22	278	198	310	411	151	15	13	54	9.1	9.1	38	103
23	277	191	303	405	143	13	11	77	6.6	11	40	105
24	274	183	292	384	130	11	8.5	71	4.8	12	38	107
25	275	180	291	373	122	12	12	38	3.4	12	39	104
26	270	191	305	350	111	11	19	23	4.6	12	43	106
27	272	179	314	337	99	22	6.9	15	3.1	12	46	104
28	269	170	318	321	89	27	4.3	11	1.7	12	48	99
29	274		322	302	79	11	20	8.3	1.5	11	50	100
30	281		328	287	74	9.4	9.4	6.8	1.8	12	55	101
31	270		332		66		9.0	8.1		12		108
Total	9000	5894	9971	14166	5032	879.4	305.7	1388.2	233.1	307.5	845	2590
Ac-ft	17852	11691	19777	28098	9981	1744	606	2753	462	610	1676	5137

Total for year: 100,387 acre-feet

Drainage area.—11,470 sq. mi.

2001

SAN CARLOS RIVER NEAR PERIDOT, ARIZONA

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	19	32	17	7.9	3.2	0.2		5.3			4.7	8.6
2	19	32	16	7.6	2.7			9.2			6.6	8.7
3	19	32	17	7.3	2.3			2.2			7.1	8.9
4	19	29	17	7.3	2.2			0.2			7.3	8.7
5	19	27	17	6.9	2.3			24			8.6	9.2
6	19	29	15	8.7	2.4			0.3			9.1	10
7	19	33	15	15	2.3						9.0	11
8	20	37	16	20	2.4						8.9	10
9	24	40	167	19	2.3					0.5	8.2	10
10	25	43	161	16	2.3					1.7	8.0	11
11	23	44	121	15	2.2					1.2	6.0	11
12	22	49	142	13	2.0					0.4	5.1	12
13	21	52	103	11	2.3						6.1	13
14	21	51	76	9.4	2.1			0.4			6.4	15
15	21	50	63	8.1	2.0			1.3			6.3	15
16	22	64	45	7.8	1.9			2.5			6.5	16
17	23	67	35	7.5	1.6			3.0			6.3	16
18	22	59	28	7.4	1.5			1.1			6.6	15
19	21	58	24	6.8	2.7			0.3			6.8	13
20	21	60	21	6.0	2.6						7.0	12
21	21	56	18	5.4	3.7						7.2	12
22	22	55	16	5.5	7.4						6.7	12
23	22	50	14	5.9	6.5						6.6	13
24	21	47	13	5.7	4.5						6.1	13
25	22	45	12	5.3	2.9						6.3	13
26	22	47	11	4.4	2.1						7.2	14
27	23	45	10	3.9	1.4						7.5	14
28	25	45	11	3.8	0.7						7.8	14
29	25		11	3.4	0.3		6.9				8.1	14
30	23		9.3	3.6	0.5		7.8				8.4	15
31	26		8.6		0.5							15
Total	671	1278	1249.9	254.6	75.8	0.2	14.7	49.9		3.8	212.5	383.1
Ac-ft	1331	2535	2479	505	150	0	29	99		8	421	760

Total for year: 8,317 acre-feet

Drainage area.—1.026 sq. mi.

2001

GILA RIVER BELOW COOLIDGE DAM, ARIZONA

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	146	104	148	676	420	547	705	386	388	249	0.8	207
2	146	139	161	637	462	547	695	385	368	248	0.8	306
3	121	143	166	608	464	573	712	385	356	275	0.8	306
4	106	154	168	606	461	583	738	387	355	293	0.8	306
5	106	158	168	606	518	581	738	421	354	293	0.8	304
6	106	158	195	505	555	580	752	442	354	293	0.8	303
7	99	217	181	483	557	578	739	469	328	293	0.8	303
8	95	209	154	497	581	577	723	500	311	291	0.8	303
9	97	166	154	430	597	590	673	500	296	291	0.8	302
10	61	167	189	364	595	597	655	500	285	291	0.8	300
11	41	168	210	359	585	597	660	500	273	253	0.8	300
12	21	132	208	346	574	597	660	500	249	227	0.8	240
13	0.8	96	257	346	574	595	659	474	234	227	0.8	185
14	0.8	66	308	391	571	601	659	459	234	228	0.8	166
15	0.8	49	323	422	571	608	659	480	234	229	0.8	166
16	0.8	49	371	426	568	632	661	524	234	229	0.8	214
17	0.8	49	429	443	530	645	696	529	238	229	0.8	239
18	0.7	49	480	473	487	644	716	528	242	228	0.8	238
19	0.6	50	515	502	550	661	770	527	220	229	0.8	238
20	0.6	50	557	518	585	674	806	522	211	229	0.8	238
21	0.6	71	581	546	584	674	805	493	214	229	0.8	185
22	0.6	85	604	550	584	673	757	477	213	229	0.8	148
23	0.6	90	621	473	556	673	757	475	214	226	0.8	246
24	0.6	112	621	414	539	672	761	475	213	219	0.8	341
25	0.6	138	664	414	546	671	761	494	212	218	0.8	361
26	0.6	146	690	414	550	672	731	506	207	78	0.8	362
27	0.6	146	690	413	548	673	712	506	233	1.1	0.8	389
28	0.6	147	691	411	548	672	757	469	250	1.1	0.8	376
29	21		681	411	548	671	786	407	248	1	0.8	205
30	29		675	382	548	670	582	388	247	1.1	0.8	117
31	57		675		548		402	388		0.9		117
Total	1262.7	3308	12535	14066	16904	18728	21887	14496	8015	6329.2	24.3	8011
Ac-ft	2505	6561	24863	27900	33529	37147	43413	28753	15898	12554	48	15890

Total for year: 249,061 acre-feet

Drainage area.—12,886 sq. mi.

2001

NATURAL FLOW RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	146	104	148	348	284	62	8	39	17	1		68
2	146	139	161	340	264	59	7	56	12	2		70
3	121	143	166	332	253	56	5	37	12	4		69
4	106	154	168	321	242	54	5	44	12	4		74
5	106	158	168	319	232	50	4	58	10	5		77
6	106	158	195	360	222	50	5	22	8	5		74
7	99	217	181	483	220	48	6	16	7	7		72
8	95	209	154	497	207	43	9	15	7	19		72
9	97	166	154	430	190	38	10	15	7	18		72
10	61	167	189	364	180	34	10	25	7	16		76
11	41	168	210	359	176	32	10	16	6	13		80
12	21	132	208	346	167	31	11	13	6	11		86
13		96	257	346	158	29	12	21	8	11		90
14		66	308	391	163	27	13	20	10	13		94
15		49	323	422	160	26	16	21	11	12		96
16		49	371	426	148	24	13	73	8	10		96
17		49	425	443	148	22	12	158	5	10		100
18		49	395	473	138	19	9	147	6	11		109
19		50	379	457	147	16	8	129	10	8		108
20		50	364	438	156	14	7	113	15	7		107
21		71	345	424	161	14	12	86	13	8		110
22		85	326	417	158	15	13	54	9	9		115
23		90	317	411	150	13	11	77	7	11		118
24		112	305	390	135	11	9	71	5	12		120
25		138	303	378	125	12	12	38	3	12		117
26		146	316	354	113	11	19	23	5	12		120
27		146	324	341	100	22	7	15	3			118
28		147	329	325	90	27	4	11	2			113
29	21		333	305	79	11	27	8	2			114
30	29		337	291	75	9	17	7	2			116
31	57		341		67		9	8				117
Total	1252	3308	8500	11531	5108	879	320	1436	235	251		2968
Ac-ft	2483	6561	16860	22872	10132	1743	635	2848	466	498		5887

Total for year: 70,985 acre-feet

2001

STORED WATER RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				328	136	485	697	347	371	248		139
2				297	198	488	688	329	356	246		236
3				276	211	517	707	348	344	271		237
4				285	219	529	733	343	343	289		232
5				287	286	531	734	363	344	288		227
6				145	333	530	747	420	346	288		229
7					337	530	733	453	321	286		231
8					374	534	714	485	304	272		231
9					407	552	663	485	289	273		230
10					415	563	645	475	278	275		224
11					409	565	650	484	267	240		220
12					407	566	649	487	243	216		154
13					416	566	647	453	226	216		95
14					408	574	646	439	224	215		72
15					411	582	643	459	223	217		70
16					420	608	648	451	226	219		118
17			4		382	623	684	371	233	219		139
18			85		349	625	707	381	236	217		129
19			136	45	403	645	762	398	210	221		130
20			193	80	429	660	799	409	196	222		131
21			236	122	423	660	793	407	201	221		75
22			278	133	426	658	744	423	204	220		33
23			304	62	406	660	746	398	207	215		128
24			316	24	404	661	752	404	208	207		221
25			361	36	421	659	749	456	209	206		244
26			374	60	437	661	712	483	202	66		242
27			366	72	448	651	705	491	230			271
28			362	86	458	645	753	458	248			263
29			348	106	469	660	759	399	246			91
30			338	91	473	661	565	381	245			1
31			334		481		393	380				
Total			4035	2535	11796	17849	21567	13060	7780	6073		5043
Ac-ft			8003	5028	23397	35403	42778	25905	15432	12046		10003

Total for year: 177,995acre-feet

2001

GILA RIVER AT KELVIN, ARIZONA

Mean daily diversions, cubic feet per second

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	79	103	175	810	380	527	693	447	345	232	26	12
2	71	135	177	784	417	524	737	472	334	225	22	32
3	63	203	187	743	440	524	703	472	314	224	18	172
4	49	216	194	668	443	553	747	510	303	243	15	219
5	36	231	193	658	441	562	766	516	303	255	12	243
6	35	244	192	739	509	562	852	455	297	258	12	243
7	36	250	206	818	534	563	803	452	294	287	11	249
8	33	325	204	754	541	562	772	495	277	278	11	253
9	42	310	176	545	568	562	758	522	259	287	11	260
10	44	289	180	466	578	572	686	526	251	273	10	261
11	32	295	210	425	576	573	683	533	245	270	10	273
12	22	272	218	405	568	570	682	544	243	237	10	278
13	20	264	214	391	566	566	678	530	231	220	10	215
14	16	250	250	388	566	569	680	492	228	220	9.7	177
15	13	261	287	423	574	581	678	514	223	215	9.7	154
16	13	394	303	429	563	591	675	654	210	213	9.7	149
17	12	447	373	428	563	619	674	617	207	214	9.7	192
18	13	261	425	442	515	629	714	594	199	211	9.7	226
19	12	188	466	469	488	625	727	555	199	214	9.7	230
20	11	50	494	487	545	649	791	550	214	217	9.5	235
21	9.9	50	546	509	565	658	809	536	202	212	9.5	235
22	8.8	50	586	540	562	659	807	492	195	214	9.6	190
23	8.8	50	633	532	560	655	761	467	195	216	9.6	157
24	8.7	50	674	453	527	652	771	457	198	210	9.5	251
25	8.4	50	679	416	512	658	776	451	191	206	10	364
26	8.2	180	727	409	517	666	778	474	192	204	10	401
27	8.9	170	751	409	519	661	736	487	181	142	10	409
28	9.6	172	770	405	522	659	723	493	190	68	11	447
29	9.2		777	405	518	657	781	450	202	51	11	416
30	9.1		786	408	520	655	871	401	206	39	11	251
31	8.8		790		529		558	393		31		154
Total	750.4	5760	12843	15758	16226	18063	22870	15551	7128	6386	346.9	7348
Ac-ft	1488	11425	25474	31256	32184	35828	45363	30845	14138	12667	688	14575

Total for year: 255,931 acre-feet

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

2001

OPERATION OF SAN CARLOS RESERVOIR

Quantities in acre-feet

2001 Month	Storage			Inflow				Releases			Bank	
	Beginning Storage	Ending Storage	Gain or Loss	Calva	Peridot	Rain	Total	Gila River below Coolidge Dam	Reservoir Evapor- ation	Total	Storage	Release
January	239000	256851	17851	17852	1331	1736	20919	2505	1042	3547		-479
February	256851	263868	7017	11691	2535	945	15171	6561	1462	8023	131	
March	263868	260674	-3194	19777	2479	233	22489	24863	2681	27544		-1861
April	260674	261329	655	28098	505	1004	29607	27900	3975	31875		-2923
May	261329	232582	-28747	9981	150	291	10422	33529	5929	39458		-289
June	232582	189995	-42587	1744		35	1779	37147	6369	43516	850	
July	189995	143821	-46174	606	29	958	1593	43413	4870	48283		-516
August	143821	112858	-30963	2753	99	1018	3870	28753	3857	32610	2223	
September	112858	93794	-19064	462		229	691	15898	3144	19042	713	
October	93794	79727	-14067	610	8	312	930	12554	1808	14362	635	
November	79727	79285	-442	1676	421	44	2141	48	1103	1151	1432	
December	79285	67448	-11837	5137	760	377	6274	15890	551	16441	1670	
Totals			-171552	100387	8317	7182	115886	249061	36791	285852	7654	-6068

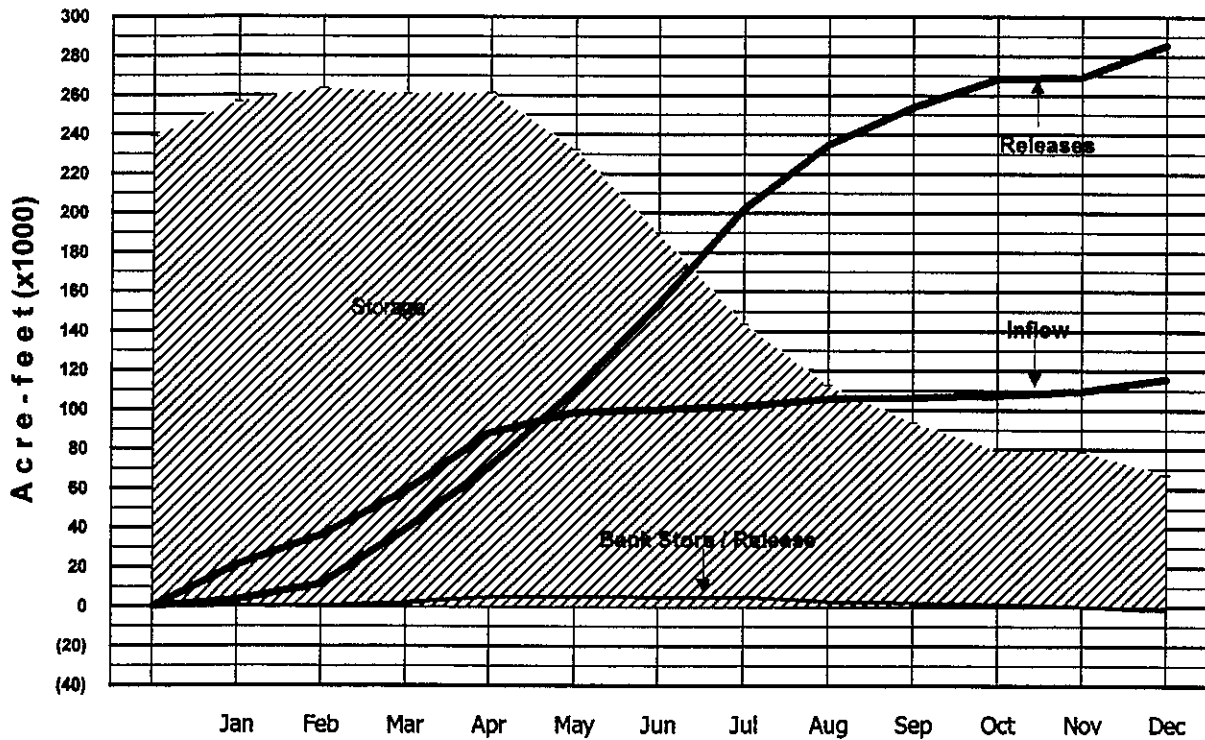
2001

MASS DIAGRAM OF OPERATION OF SAN CARLOS RESERVOIR

In Acre-feet

Month	Storage		Accumulated		Bank			Monthly Bank Result
	Contents End of Month	Contents Gain or Loss	Inflow Including Rain	Releases Including Evaporation	Storage	Release	Net Result	
Begin	239,000							
JAN	256,851	17851	20,919	3,547		479	479	-479
FEB	263,868	7017	36,090	11,670	-131	479	348	131
MAR	260,674	-3194	58,679	39,114		2340	2209	-1861
APR	261,329	655	88,166	70,989		5263	5132	-2923
MAY	232,582	-28747	98,608	110,447		5552	5421	-289
JUN	189,995	-42587	100,387	163,963	-981	5552	4571	850
JUL	143,821	-46174	101,980	202,248		6068	5087	-516
AUG	112,868	-30963	105,850	234,856	-3204		2864	2223
SEP	93,794	-19064	106,541	253,898	-3917		2151	713
OCT	79,727	-14067	107,471	268,280	-4552		1516	635
NOV	79,285	-442	109,612	269,411	-5984		84	1432
DEC	67,448	-11837	116,886	285,652	-7654		-1566	1670

Graph: STORAGE INFLOW RELEASES BANK STOR/REL



2001

WATER SURFACE ELEVATIONS, SAN CARLOS RESERVOIR

Elevation in feet

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2457.40	2459.61	2460.50	2460.01	2460.11	2456.39	2450.38	2442.92	2437.48	2433.60	2430.48	2430.29
2	2457.47	2459.64	2460.51	2459.92	2460.05	2456.18	2450.18	2442.77	2437.33	2433.47	2430.48	2430.16
3	2457.50	2459.67	2460.53	2459.84	2459.95	2455.98	2449.92	2442.62	2437.18	2433.37	2430.48	2430.03
4	2457.53	2459.69	2460.53	2459.80	2459.88	2455.82	2449.65	2442.55	2437.02	2433.22	2430.48	2429.89
5	2457.58	2459.74	2460.54	2459.68	2459.81	2455.68	2449.37	2442.41	2436.85	2433.07	2430.44	2429.79
6	2457.64	2459.80	2460.61	2459.69	2459.71	2455.63	2449.13	2442.23	2436.66	2432.92	2430.45	2429.66
7	2457.70	2459.80	2460.64	2459.68	2459.64	2455.50	2448.90	2442.07	2436.49	2432.80	2430.44	2429.55
8	2457.75	2459.81	2460.68	2459.70	2459.52	2455.30	2448.64	2441.86	2436.34	2432.66	2430.45	2429.38
9	2457.86	2459.81	2460.71	2459.83	2459.42	2455.13	2448.42	2441.69	2436.20	2432.51	2430.41	2429.26
10	2457.92	2459.83	2460.83	2459.90	2459.31	2454.95	2448.21	2441.51	2436.07	2432.36	2430.41	2429.12
11	2458.01	2459.86	2460.88	2460.00	2459.16	2454.75	2447.97	2441.31	2435.93	2432.24	2430.41	2429.04
12	2458.11	2459.87	2460.92	2460.10	2459.05	2454.54	2447.75	2441.11	2435.81	2432.10	2430.41	2428.94
13	2458.17	2459.94	2461.01	2460.20	2458.97	2454.11	2447.52	2440.95	2435.75	2431.97	2430.39	2428.86
14	2458.23	2459.97	2461.05	2460.30	2458.86	2453.95	2447.30	2440.77	2435.66	2431.85	2430.38	2428.81
15	2458.36	2460.04	2461.07	2460.33	2458.77	2453.76	2447.07	2440.59	2435.55	2431.70	2430.37	2428.78
16	2458.45	2460.07	2461.12	2460.37	2458.64	2453.56	2446.82	2440.38	2435.44	2431.61	2430.38	2428.69
17	2458.53	2460.11	2461.12	2460.39	2458.49	2453.37	2446.59	2440.20	2435.31	2431.49	2430.38	2428.61
18	2458.61	2460.17	2461.10	2460.39	2458.37	2453.17	2446.32	2440.02	2435.19	2431.37	2430.38	2428.52
19	2458.69	2460.22	2461.08	2460.37	2458.29	2452.95	2446.05	2439.84	2435.08	2431.26	2430.39	2428.43
20	2458.75	2460.29	2461.04	2460.34	2458.15	2452.71	2445.77	2439.67	2434.97	2431.14	2430.38	2428.36
21	2458.86	2460.30	2461.00	2460.31	2458.04	2452.51	2445.47	2439.50	2434.87	2431.03	2430.38	2428.28
22	2458.95	2460.35	2460.92	2460.30	2457.91	2452.31	2445.19	2439.31	2434.75	2430.90	2430.42	2428.25
23	2459.00	2460.38	2460.84	2460.30	2457.82	2452.10	2444.94	2439.12	2434.62	2430.79	2430.37	2428.17
24	2459.09	2460.39	2460.80	2460.30	2457.65	2451.88	2444.64	2438.93	2434.49	2430.66	2430.37	2428.03
25	2459.17	2460.42	2460.66	2460.28	2457.51	2451.64	2444.36	2438.74	2434.39	2430.55	2430.36	2427.88
26	2459.23	2460.44	2460.57	2460.25	2457.39	2451.47	2444.10	2438.55	2434.29	2430.51	2430.36	2427.73
27	2459.35	2460.45	2460.47	2460.24	2457.24	2451.23	2443.84	2438.36	2434.16	2430.51	2430.35	2427.57
28	2459.41	2460.48	2460.37	2460.21	2457.09	2451.01	2443.46	2438.18	2434.02	2430.50	2430.36	2427.42
29	2459.48		2460.28	2460.18	2456.95	2450.78	2443.27	2438.00	2433.89	2430.50	2430.36	2427.36
30	2459.58		2460.17	2460.17	2456.79	2450.56	2443.19	2437.84	2433.76	2430.50	2430.38	2427.35
31	2459.62		2460.09		2456.53		2443.19	2437.66		2430.49		2427.31

2001

WATER SURFACE AREAS, SAN CARLOS RESERVOIR

Area in acres

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	7745	8099	8208	8165	8174	7598	6645	5890	5192	4556	4034	4009
2	7753	8101	8210	8155	8168	7570	6615	5869	5167	4533	4033	3992
3	7761	8106	8211	8141	8160	7537	6530	5855	5142	4513	4033	3970
4	7766	8109	8212	8131	8147	7516	6504	5844	5116	4494	4033	3950
5	7772	8115	8213	8118	8136	7492	6522	5833	5089	4470	4029	3940
6	7780	8123	8217	8110	8122	7470	6497	5817	5060	4445	4028	3931
7	7789	8128	8222	8110	8109	7456	6474	5801	5031	4422	4028	3920
8	7799	8130	8225	8110	8093	7429	6449	5783	5004	4401	4028	3908
9	7812	8130	8229	8123	8076	7400	6426	5774	4980	4377	4024	3895
10	7824	8131	8235	8139	8059	7371	6405	5747	4958	4353	4021	3884
11	7837	8136	8244	8152	8038	7341	6383	5728	4936	4330	4021	3874
12	7852	8139	8248	8165	8019	7309	6360	5709	4914	4309	4021	3866
13	7864	8146	8255	8175	8003	7259	6339	5691	4900	4288	4019	3859
14	7874	8154	8261	8185	7988	7211	6316	5674	4889	4267	4017	3854
15	7890	8161	8264	8191	7972	7184	6295	5657	4872	4245	4016	3850
16	7908	8166	8268	8194	7955	7152	6271	5638	4854	4226	4016	3845
17	7920	8169	8270	8197	7933	7122	6248	5618	4834	4208	4016	3837
18	7933	8174	8269	8198	7911	7090	6223	5601	4813	4188	4016	3830
19	7945	8180	8267	8197	7895	7057	6197	5579	4795	4170	4017	3822
20	7956	8185	8264	8195	7877	7020	6169	5551	4777	4150	4017	3815
21	7955	8189	8260	8192	7858	6985	6141	5523	4759	4132	4016	3808
22	7987	8192	8254	8190	7839	6954	6112	5494	4741	4113	4019	3804
23	7998	8196	8246	8189	7821	6922	6087	5462	4721	4093	4019	3799
24	8009	8198	8240	8189	7800	6886	6059	5431	4700	4074	4014	3789
25	8022	8200	8232	8188	7775	6850	6031	5400	4680	4054	4014	3777
26	8033	8202	8221	8186	7755	6818	6005	5369	4664	4041	4013	3764
27	8045	8204	8211	8185	7734	6785	5979	5338	4646	4038	4013	3750
28	8061	8206	8201	8183	7710	6748	5948	5307	4623	4038	4013	3737
29	8073		8192	8180	7686	6713	5920	5277	4602	4036	4013	3727
30	8086		8183	8178	7662	6676	5907	5249	4581	4036	4014	3725
31	8096		8173		7629		5903	5222		4036		3722

2001

AVAILABLE STORED WATER, SAN CARLOS RESERVOIR

Storage in acre-feet

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	239261	256770	264032	260022	260838	231518	188798	142231	111923	93065	79687	78924
2	239804	257013	264114	259288	260430	229929	187475	141350	111148	92475	79687	78405
3	240037	257256	264279	258637	259533	228422	185764	140472	110377	92024	79687	77889
4	240270	257418	264279	258311	258962	227220	183997	140063	109558	91350	79687	77366
5	240659	257824	264361	257337	258392	226173	182171	139246	108694	90680	79526	76942
6	241126	258311	264936	257418	257580	225799	180611	138199	107732	90014	79566	76431
7	241593	258311	265183	257337	257013	224830	179187	137271	106877	89483	79526	76000
8	241983	258392	265512	257499	256042	223344	177446	136057	106127	88866	79566	75335
9	242842	258392	265758	258555	255234	222087	176031	135077	105429	88210	79405	74868
10	243312	258555	266747	259125	254348	220760	174687	134042	104785	87557	79405	74325
11	244017	258799	267159	259940	253142	219292	173282	132897	104094	87038	79405	74014
12	244802	258881	267489	260756	252260	217757	171756	131755	103504	86434	79405	73627
13	245274	259451	268232	261574	251620	214635	170298	130845	103210	85877	79325	73319
14	245746	259696	268562	262392	250741	213482	168908	129823	102770	85365	79285	73127
15	246772	260266	268727	262638	250023	212117	167461	128806	102235	84728	79245	73011
16	247484	260511	269141	262966	248990	210687	165893	127621	101701	84348	79285	72665
17	248117	260838	269141	263130	247800	209334	164456	126610	101072	83843	79285	72357
18	248751	261329	268975	263130	246851	207916	162776	125602	100495	83341	79285	72013
19	249387	261738	268810	262966	246219	206364	161103	124598	99967	82882	79325	71670
20	249864	262310	268479	262720	245117	204679	159376	123654	99442	82384	79285	71403
21	250741	262392	268149	262474	244252	203282	157533	122715	98967	81930	79285	71098
22	251460	262802	267489	262392	243233	201891	155822	121672	98398	81395	79445	70984
23	251860	263048	266829	262392	242529	200438	154300	120634	97783	80945	79245	70679
24	252580	263130	266499	262392	241204	198923	152483	119603	97172	80416	79245	70149
25	253222	263376	265347	262228	240115	197279	150794	118577	96704	79970	79205	69583
26	253704	263540	264607	261983	239184	196120	149233	117557	96239	79808	79205	69018
27	254670	263622	263786	261901	238024	194491	147678	116542	95634	79808	79165	68418
28	255154	263868	262966	261656	236868	193007	145418	115587	94987	79767	79205	67858
29	255719		262228	261410	235792	191463	144294	114637	94389	79767	79205	67634
30	256527		261329	261329	234566	189995	143821	113798	93794	79767	79285	67597
31	256851		260674		232582		143821	112858		79727		67448

2001

DAILY EVAPORATION, SAN CARLOS RESERVOIR

Acre-feet

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	27	99	39	126	170	234	226	136	102	104	55	22
2	21	48	67	141	187	296	190	89	130	44	51	19
3	41	48	70	138	224	257	215	130	123	48	40	27
4	43	4	66	132	124	255	176	124	108	128	59	36
5	46	42	66	123	163	240	212	197	113	82	48	18
6	33	43	42	58	185	218	181	123	107	78	31	22
7	36	82	79	132	174	245	52	134	157	35	19	12
8	23	106	15	132	174	273	109	113	134	36	38	11
9	60	27	70	96	184	178	142	41	138	30	43	33
10	36	32	57	146	197	229	149	108	108	54	51	21
11	30	42	28	26	225	225	155	96	114	51	34	14
12	33	60	87	105	223	261	160	85	125	67	37	4
13	18	43	62	98	191	258	166	125	100	76	37	5
14	22	55	87	117	113	225	165	113	60	82	38	12
15	18	34	114	140	124	172	149	71	40	58	41	7
16	37	52	90	118	181	203	134	136	80	57	33	1
17	21	64	92	145	234	219	175	115	89	65	36	18
18	36	12	105	139	213	184	151	135	111	50	30	17
19	31	71	104	161	227	226	187	135	102	71	51	4
20	19	63	91	193	65	164	176	103	111	49	16	20
21	38	64	83	164	197	235	97	127	111	58	36	21
22	49	65	161	184	206	191	198	156	110	54	38	28
23	28	68	95	70	182	193	148	132	101	63	46	19
24	37	84	78	123	221	181	107	128	99	31	46	11
25	86	67	99	161	253	212	188	132	129	48	23	23
26	20	22	125	144	240	87	114	181	73	33	24	16
27	44	34	106	189	211	179	124	112	76	59	30	11
28	10	31	118	123	216	112	196	122	89	51	31	25
29	32		120	176	216	195	177	147	108	61	26	14
30	10		114	175	207	222	159	146	96	40	15	27
31	57		151		202		92	165		45		33
Total	1042	1462	2681	3975	5929	6369	4870	3857	3144	1808	1103	551

Total for year: 36,791 acre-feet

2001

DAILY RAINFALL, SAN CARLOS RESERVOIR

Acre-feet

2001 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								88				
2												
3								93				
4										198		
5								695				135
6				601							44	
7	110									48		
8		305	233							55		
9	430	108								11		
10	391											
11				48			69					39
12												129
13	125				93			123	135			32
14		68						19	94			
15		34			86							26
16	145	122					57					16
17	112											
18												
19					53							
20					59							
21												
22				321								
23	33			34		35						
24												
25												
26		205										
27	47											
28	289	103										
29	54											
30							783					
31							49					
Total	1736	945	233	1004	291	35	958	1018	229	312	44	377

Total for year: 7,182 acre-feet

2001

RAINFALL AT COOLIDGE DAM

Elevation approximately 2,550 feet

inches

2001 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1								0.18				
2												
3								0.19				
4										0.53		
5								1.43				0.41
6				0.89							0.13	
7	0.17									0.13		
8		0.45	0.34							0.15		
9	0.66	0.16								0.03		
10	0.60											
11				0.07			0.13					0.12
12												0.40
13	0.19				0.14			0.26	0.33			0.10
14		0.10						0.04	0.23			
15		0.05			0.13							0.08
16	0.22	0.18					0.11					0.05
17	0.17											
18												
19					0.08							
20					0.09							
21												
22				0.47								
23	0.05			0.05		0.06						
24												
25												
26		0.30										
27	0.07											
28	0.43	0.15										
29	0.08											
30							1.59					
31							0.10					
Total	2.64	1.39	0.34	1.48	0.44	0.06	1.93	2.10	0.56	0.84	0.13	1.16

Total for year: 13.07 inches

1956 - 2001

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			3.82	2.07	1.06				9.78
2000	0.40	0.72	0.87	0.04		0.81	0.28	2.97	0.54	5.32	1.90	0.12	13.97
2001	2.64	1.39	0.34	1.48	0.44	0.06	1.93	2.10	0.56	0.84	0.13	1.16	13.07

Note: T-Trace

c:\my docs\yearly_rpt\2001rain.xls