

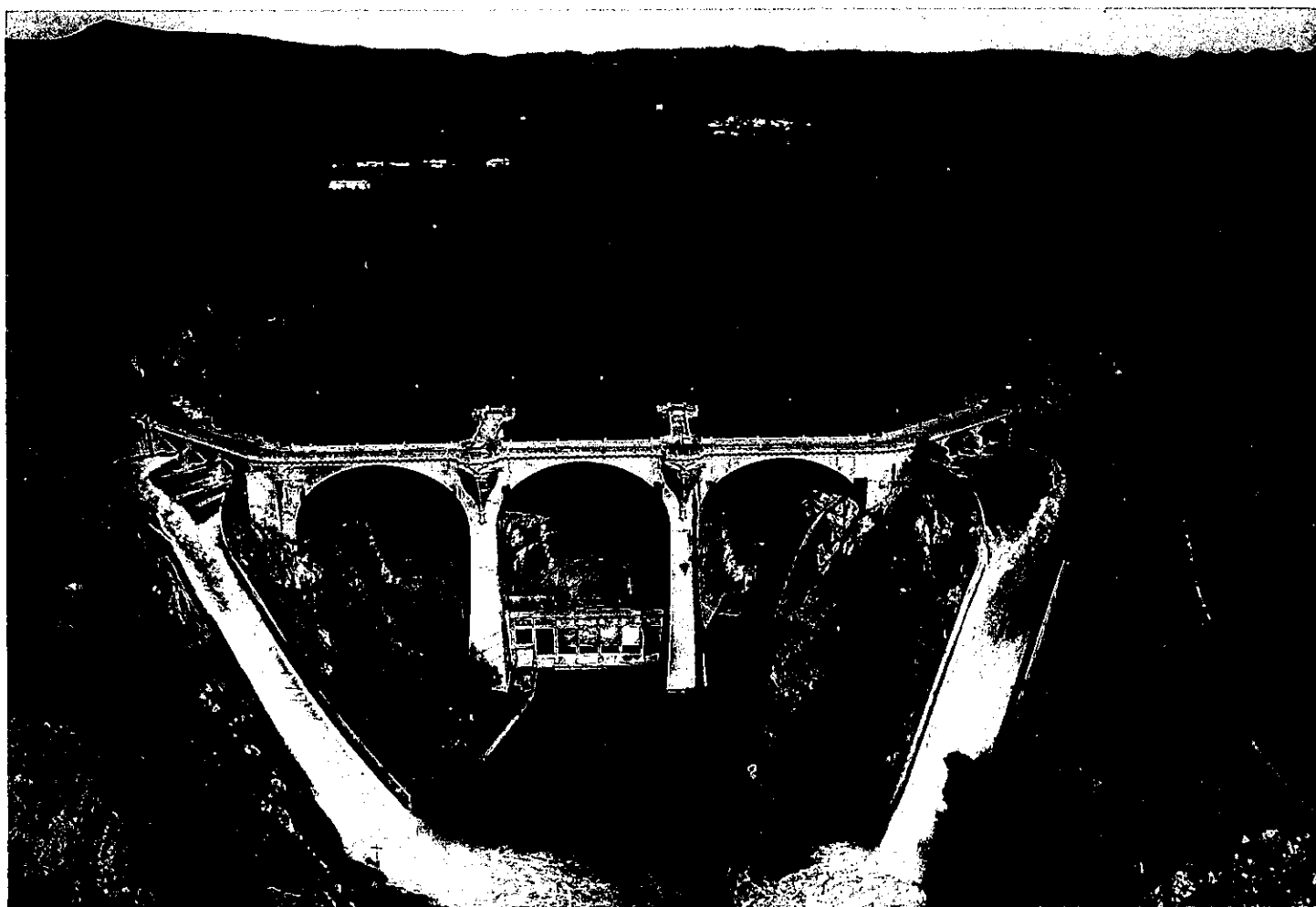
Sixty Eighth - Annual Report

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

2003



SIXTY-EIGHTH ANNUAL REPORT

2003

DISTRIBUTION OF WATERS OF THE GILA RIVER

by the

GILA WATER COMMISSIONER

D.L. WEESNER

to the

UNITED STATES DISTRICT COURT

Payson, Arizona
May 17, 2004

Honorable Susan R. Bolton
Judge of the United States District Court
Phoenix, Arizona

No. CV 31-0059-TUC-SRB
aka Globe Equity No. 59

Re: United States of America
vs.
Gila Valley Irrigation District, et al.

Dear Judge Bolton:

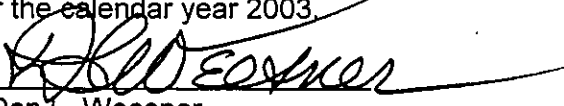
I submit herewith the **Sixty-Eighth Annual Report** in the above-entitled cause on distribution of waters of the Gila River, tabulation of hydro logic data, and analysis of expenditures and collections for the calendar year 2003.

Very Truly yours,

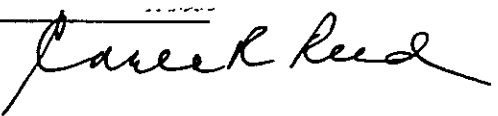

Don L. Weesner
Gila Water Commissioner

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 2003, 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 2003.


Don L. Weesner
Gila Water Commissioner

Subscribed and sworn to before me this 17 day of May, 2004.

Notary Public 

My commission expires: 3/2/2007

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PERSONNEL

Don L. Weesner, Gila Water Commissioner	Payson, Arizona
Jon W. Allred, Assistant Water Commissioner	Safford, Arizona
James W. Pavlacky, Water Specialist III	Safford, Arizona
Waylon D. West, Water Specialist II (1/1/03 thru 6/19/03)	Thatcher, Arizona
Maria Moore Admin. Assistant (1/1/03 thru (5/31/03)	Safford, Arizona
Ferne Rogers Admin. Assistant (7/7/03)	Thatcher, Arizona
Patricia Doyle Water Specialist II (7/21/03)	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 Manager.

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
	<hr/>
	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, 2003, the stored water in the San Carlos Reservoir amounted to 36,776 acre-feet of the 877,697 acre-feet total capacity. December 31, 2003, there was 27,288 acre-feet available stored water, at 3.1 percent of total capacity.

There was apportioned to the **Upper Valleys** for the year 2003, a total of 0.23 acre-feet of water for each acre then being irrigated.

The **San Carlos Irrigation Project** apportioned a total of 0.35 acre-feet of pumped and stored water for each acre. The gravity diversions of both natural flow and stored water are shown on Plate 28.

The total water diverted from the Gila River under the Decree for the year amounted to 122,833 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 26.

Determination of when priority water was available is shown on plate 29.

WATER SUPPLY

The flow of the Gila River, as recorded at Gila River at Head of Safford Valley Near Solomon for the year 2003, was 120,506 acre-feet. Inflow into the San Carlos Reservoir from the Gila River and the San Carlos River totaled 75,614 acre-feet.

For the year 2003, there was a total of 1,473 acre-feet of water spilled and sluiced at Ashurst-Hayden Dam.

COSPER CROSSING

When the Gila River in the vicinity of Cosper Crossing was observed to be flowing the Duncan and Safford Valleys canal diversions were regulated on the same Date (year) of Priority. When the Gila River was observed to not be flowing or dry in the vicinity, the total Gila River flow in the Duncan Valley was issued to the Duncan/Virden Canals.

Date	Vicinity Condition	Verification		Date	Vicinity Condition	Verification
10/23/02	FLOW	REPORTED		9/02/03	FLOW	REPORTED
5/20/03	DRY	REPORTED		10/09/03	DRY	REPORTED
7/25/03	DRY	OBSERVED		11/16/03	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:

2003	Gila River below Blue Creek (good)*	San Francisco River at Clifton (good)*	Total	Gila at Calva (poor)*	Consumptive use	Accumulated Consumptive use
Jan.	5,181	4,112	9,293	4,360	4,933	4,933
Feb.	4,544	6,187	10,731	8,763	1,968	6,901
Mar.	11,058	15,555	26,613	13,769	12,844	19,745
Apr.	9,041	9,076	18,117	10,951	7,166	26,911
May	4,280	3,398	7,678	5,691	1,987	28,898
Jun.	960	1,704	2,664	700	1,964	30,862
Jul.	508	1,256	1,764	465	1,299	32,161
Aug.	1,776	2,059	3,835	18	3,817	35,978
Sept.	2,404	3,400	5,804	4	5,800	41,778
Oct.	1,960	2,452	4,412		4,412	46,190
Nov.	5,667	7,305	12,972	2,969	10,003	56,193
Dec.	5,062	3,675	8,737	3,598	5,139	61,332
Total	52,441	60,179	112,620	51,288	61,332	61,332

2003

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

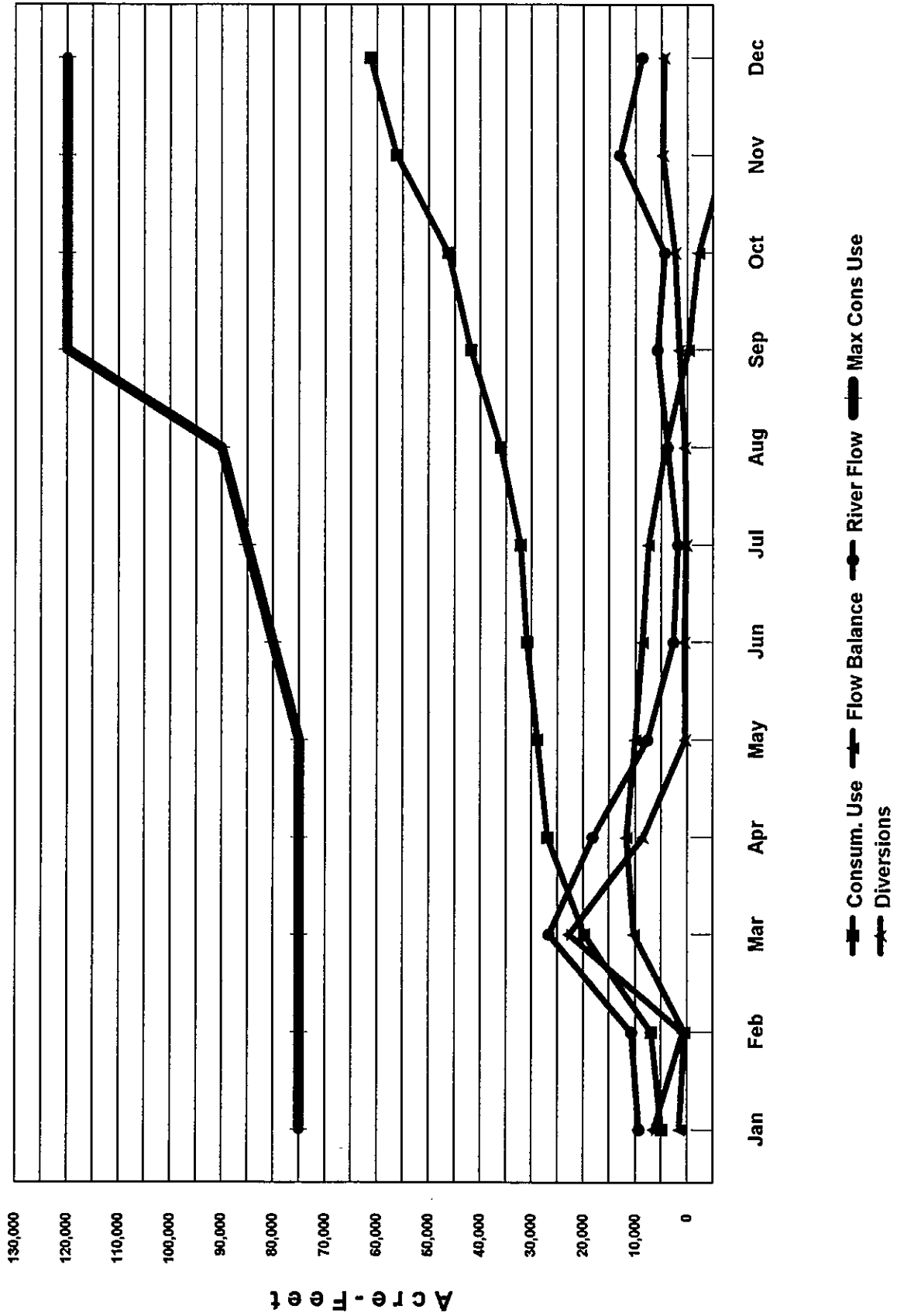
2003 MONTH	CONSUMPTIVE USE		UPPER VALLEYS AND SAN CARLOS APACHE TRIBE		HEAD OF SAFFORD VALLEY		FLOW BALANCE					ACCUM. FLOW BALANCE	TOTAL INFLOW G + SF	MAXIMUM CONSUMPTIVE USE RECOMMENDED	
	RESULT	ACCUM. RESULT	DIV'S	ACCUM. DIV'S	GILA RIVER FLOW	GILA R. ACCUM. FLOW	FLOW BALANCE	GILA CALVA	GILA VIRDEN	SAN FRANCISCO CLIFTON	DIV'S				
JAN	4,930	4,930	6,450	6,450	11,750	11,750	1,520	4,360	5,180	4,110	6,450	1,520	9,290	75000	
FEB	1,970	6,900	890	7,340	11,660	23,410	(1,080)	8,760	4,540	6,190	890	440	10,730	75000	
MAR	12,840	19,740	22,690	30,040	33,440	56,850	9,850	13,770	11,060	15,550	22,690	10,290	26,610	75000	
APR	7,170	26,910	8,540	38,580	18,050	74,900	1,370	10,950	9,040	9,080	8,540	11,660	18,120	75000	
MAY	1,990	28,900	400	38,980	7,740	82,640	(1,590)	5,690	4,280	3,400	400	10,070	7,680	75000	
JUN	1,960	30,860	520	39,500	3,450	86,090	(1,440)	700	960	1,700	520	8,630	2,660	80000	
JUL	1,300	32,160	160	39,660	2,560	88,650	(1,140)	470	510	1,260	160	7,490	1,770	85000	
AUG	3,820	35,980	500	40,160	3,860	92,510	(3,320)	20	1,780	2,060	500	4,170	3,840	90000	
SEP	5,800	41,780	1,470	41,630	4,570	97,080	(4,330)	0	2,400	3,400	1,470	(160)	5,800	120000	
OCT	4,410	46,190	2,350	43,980	4,340	101,420	(2,060)	0	1,960	2,450	2,350	(2,220)	4,410	120000	
NOV	10,000	56,190	4,760	48,740	10,040	111,460	(5,250)	2,970	5,670	7,310	4,760	(7,470)	12,980	120000	
DEC	5,140	61,330	4,500	53,240	9,040	120,510	(640)	3,600	5,060	3,680	4,500	(8,110)	8,740	120000	
TOTALS	61,330	61,330	53,240	53,240	120,510	120,510	(8,110)	51,290	52,440	60,180	53,240	Flow Bal	112,620	River Flo	Max Cons Use

Graph

Graph

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

2003 Consumptive Use Accum vs. Diversions vs. River Flow



2003

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	5181	4544	11058	9041	4280	960	508	1776	2404	1960	5667	5062	52441
Duncan Valley Diversions	462	188	3170	1219	191	290	42	95	68	504	1499	610	8338
Gila River near Clifton	5169	4951	5889	6304	3124	1444	1210	2144	3622	1557	4142	5687	45243
San Fran. River @ Clifton	4112	6187	15555	9076	3398	1704	1256	2059	3400	2452	7305	3675	60179
Gila Solomon	11746	11663	33440	18052	7744	3447	2555	3884	4572	4340	10038	9045	120506
Safford Valley Diversions	5947	698	19428	7174	68	51	290	1301	1848	3264	3886	43957	
San Carlos Agency Divs.	43	7	95	148	140	182	115	113	99	1			944
Gila Calva	4360	8763	13769	10951	5691	700	465	18	4		2969	3598	51298
San Carlos R. @ Peridot	815	2917	12909	246	33		229	45	6394	4	183	551	24326
Stored Water	36130	37601	41681	38816	36579	34286	31007	29654	29777	28750	29506	27288	
Gila Below Coolidge Dam	4574	8178	19291	19691	5873	432	2013	64	75	48	35	4338	58205
Winkelman Divs. (Indust)	1102	889	954	1160	1262	1194	1156	1124	1101	1001	880	891	12715
Winkelman Divs. (Ag.)													
Gila River @ Kelvin	4068	10195	21626	12899	4770	409	4434	4782	958		65	2524	66730
A-H Diversions	4037	8624	20692	12038	4905	248	2561	1793	359			1623	56880
A-H Spilled								1408					1408
A-H Sluiced							65						65
A-H Total	4037	8624	20692	12038	4905	248	2626	3201	359			1623	58353
Loss Kelvin to A-H	31	1571	934	861	-135	161	1808	1581	599		65	901	8377
Sacaton Diversions													

SUMMARY OF THE GILA RIVER SYSTEM

Quantities in Acre-feet

NATURAL FLOW FROM THE GILA RIVER AND TRIBUTARIES

Gila River Below Blue Creek	52,441
San Francisco River at Clifton	60,179
San Carlos River near Peridot	24,326
Gain from Gila Below Coolidge Dam to Gila at Kelvin	8,525

INFLOWS, SAN CARLOS RESERVOIR

Gila River at Calva plus San Carlos River near Peridot	75,614
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GILA RIVER BELOW COOLIDGE DAM

58,205

CONTENTS IN STORAGE, SAN CARLOS RESERVOIR

Available contents January 1, 2003	36,776
Available contents December 31, 2003	27,288

WATER DIVERTED FROM THE GILA RIVER

Duncan-Virden Valley canal diversions	8,338
Safford Valley canal diversions	43,957
San Carlos Apache Tribe	944
Winkelman Valley Agricultural diversions	0
Winkelman Valley industrial and municipal pumps	
ASARCO Incorporated	12,361
Town of Kearny	354
San Carlos Project	
Natural flow Ashurst-Hayden Dam	53,358
Stored water Ashurst-Hayden Dam	3,521
Natural flow Sacaton Dam	0
TOTAL DIVERSIONS	122,833

SPILLED AND SLUICED ASHURST-HAYDEN DAM

1,473

c:\mf\yearly_rpt\2003\page5.wpd

SAN CARLOS RESERVOIR

The available stored water in the **San Carlos Reservoir** on January 1, 2003, was 36,776 acre-feet. The maximum storage for the year was on March 23, with 42,632 acre-feet (Plate 48).

In previous years, small flows recorded at **Gila River below Coolidge Dam** (Plate 40), when no water was being released were disregarded and are not shown on Determination of Priority (Plate 29), Natural Flow Releases (Plate 41), Stored Water Releases (Plate 42).

The computed evaporation from the surface of the **San Carlos Reservoir** was 16,575 acre-feet (Plate 49). Computed rainfall on the lake was 2,664 acre-feet (Plate 50). There was a bank storage of 12,986 acre-feet for the year (Plate 44).

APPORTIONMENTS MADE DURING 2003

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-apportionment	Accumulated apportionment
1	03/24/03	33,507.92	0.19		0.19
Reapportionment of Apportionment #1	04/15/03	33,895.72		0.04	0.23
Total Apportionment					0.23

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	01/14/03	100,546.00	0.35	0.35	32,881.46	1.07
TOTAL				0.35		1.07

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, 2003	36,394
January 31, 2003	35,652
February 28, 2003	34,943
March 31, 2003	33,874
April 30, 2003	32,294
May 31, 2003	30,274
June 30, 2003	27,937
July 31, 2003	25,675
August 31, 2003	23,985
September 30, 2003	22,719
October 31, 2003	21,656
November 30, 2003	21,134
December 31, 2003	20,703

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.

2003	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	518	343	861	1,086	225
February	541	121	662	842	180
March	599		599	903	304
April	708	341	1,049	1,101	52
May	588	516	1,104	1,161	57
June	354	846	1,200	1,112	
July	75	1,329	1,404	1,110	
August	125	1,429	1,554	1,182	
September	574	632	1,206	970	
October	622	250	872	788	
November	397	329	726	799	73
December	386	210	596	790	194
TOTALS	5,487	6,346	11,833	11,844	1,085
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 **1,085 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.

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 2003 have been supplied to the Water Commissioner and summarized on **Plate 5** of the 2003 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 2002. 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 11**

GERONIMO STATION 2003

The Seasonal Average Salinity on October 31, 2003 was 3,050 uS/cm. Daily data in support of the above figures can be found in the Water Commissioner's 2003 monthly reports or can be seen at the office of the Gila Water Commissioner.

GILA RIVER @ GERONIMO STATION WATER QUALITY DATA 2003

The following tables for the year 2003 are arranged in the following sequence:

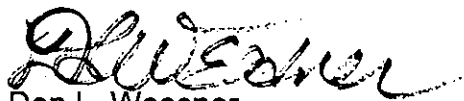
The first set of data is the original data beginning with the first of the year and ending on December 31, 2003.

The second set of data is a comparison of the EC (uS/cm) to flow in a query format utilizing the EC in a descending quantity. This sorts the EC starting from the highest to the lowest and indicating the date and flow rate on which this reading occurred.

The third set of data is a comparison of the flow to EC in a query format utilizing the flow in an ascending quantity. This sorts the flow starting from the lowest to the highest and indicating the date and EC on which this reading occurred.

There are inconsistencies in the EC data which usually happens after a sudden freshet in the Gila River. There are times after sudden freshet when the river flows drop substantially however, the EC will still remain at a low reading. This phenomenon, is caused by the cleansing of the river of salts by the sudden freshet and/ or high river flows , therefore the EC will remain low for a short period of time thereafter during the following low flows. These readings should be disregarded in any analysis of the query's attached.

The flow required to maintain a maximum EC of 2,000 uS/cm falls in the range of 100 – 120 cfs.



Don L. Weesner
Gila Water Commissioner

GERONIMO STATION WATER QUALITY REPORT

2003

DATA SOURCE FOR QUERY

C:\Lotus\Work\1231\Files\dlw\Geronimo\Geron2003.SHEET QU 20

COMPARISON OF EC TO FLOW
DAILY AVERAGE

ORIGINAL DATA			
DATA FROM CUM AVG GERO			
Month	D. Weeener	Q	EC
	DAY OF MONTH	FLOW IN CFS	ELECT. COND MICRO-SFCM
1/	1	75.0	2350
1/	2	100.0	2270
1/	3	102.0	2170
1/	4	110.0	2190
1/	5	106.0	2190
1/	6	106.0	2210
1/	7	93.3	2250
1/	8	91.7	2090
1/	9	96.7	1740
1/	10	91.7	1750
1/	11	85.0	1750
1/	12	76.7	1790
1/	13	65.0	1870
1/	14	62.5	1950
1/	15	61.3	2080
1/	16	61.3	2280
1/	17	55.0	2300
1/	18	55.0	2380
1/	19	63.8	2300
1/	20	62.5	2230
1/	21	60.0	2280
1/	22	45.0	2350
1/	23	39.0	2580
1/	24	37.0	2690
1/	25	28.4	2760
1/	26	25.0	2850
1/	27	30.0	2940
1/	28	31.7	3100
1/	29	116.0	3310
1/	30	148.0	2300
1/	31	157.1	1400
2/	1	161.8	1410
2/	2	164.3	1430
2/	3	164.3	1450
2/	4	164.3	1480
2/	5	198.7	1490
2/	6	164.3	1490
2/	7	196.7	1490
2/	8	172.0	1490
2/	9	178.6	1490
2/	10	183.4	1490
2/	11	183.4	1490
2/	12	178.6	1490
2/	13	185.7	1490
2/	14	192.9	1500
2/	15	223.7	1480
2/	16	361.1	1130
2/	17	255.9	1130
2/	18	250.0	1047
2/	19	250.0	1106
2/	20	242.1	1173
2/	21	229.0	1232
2/	22	213.2	1280
2/	23	207.9	1310
2/	24	205.3	1330
2/	25	199.0	1340
2/	26	210.5	1330
2/	27	226.3	1380
2/	28	218.4	1320
3/	1	104.0	1730
3/	2	112.0	1850
3/	3	116.0	1850
3/	4	91.4	1840
3/	5	70.0	2006
3/	6	81.3	2190
3/	7	126.0	1650
3/	8	100.0	1700
3/	9	98.3	1840
3/	10	116.0	1760
3/	11	148.0	1490
3/	12	154.8	1420
3/	13	164.3	1380
3/	14	176.2	1290
3/	15	181.0	1240
3/	16	210.5	1222
3/	17	207.9	1290
3/	18	290.6	1150
3/	19	815.0	530
3/	20	659.1	560
3/	21	663.6	580
3/	22	562.5	680
3/	23	457.7	750
3/	24	421.4	820
3/	25	450.0	840
3/	26	477.0	900
3/	27	465.4	900
3/	28	300.0	960
3/	29	275.9	990
3/	30	239.5	1030
3/	31	202.6	1110

SORT BY EC HIGH TO LOW 01/1 TO 12/31			
DATA FROM CUM AVG GERO			
Month	D. Weeener	Q	EC
	DAY OF MONTH	FLOW IN CFS	ELECT. COND MICRO-SFCM
7/	13	11.4	5360
7/	14	7.3	5090
6/	24	9.6	4920
6/	25	10.0	4890
8/	25	2.8	4880
6/	23	10.0	4850
8/	26	3.0	4820
9/	3	3.8	4740
9/	2	3.8	4740
8/	29	5.7	4650
10/	31	5.7	4600
10/	14	5.0	4600
6/	29	10.0	4600
10/	15	5.0	4600
6/	28	10.9	4590
11/	1	6.0	4580
7/	6	7.3	4570
10/	30	5.7	4550
11/	2	6.0	4540
11/	3	6.0	4540
11/	4	5.7	4530
6/	26	11.8	4530
8/	17	3.8	4520
10/	22	4.0	4520
9/	4	9.3	4520
7/	15	6.3	4520
10/	29	5.3	4510
11/	7	6.0	4510
11/	14	76.7	4510
11/	6	5.7	4500
10/	23	4.0	4500
11/	11	7.0	4490
11/	10	7.0	4490
11/	5	5.7	4490
10/	26	3.8	4490
10/	24	4.0	4480
6/	22	6.3	4480
11/	9	6.3	4480
7/	7	6.3	4470
9/	1	3.0	4470
11/	8	6.3	4470
8/	14	3.4	4460
6/	16	9.3	4450
11/	13	10.5	4450
11/	12	10.0	4450
10/	27	4.3	4440
8/	27	3.8	4440
10/	25	4.0	4430
10/	28	5.3	4420
10/	19	3.8	4420
10/	18	3.8	4410
9/	5	31.7	4410
8/	20	7.6	4400
10/	12	5.0	4390
10/	10	5.0	4390
10/	21	4.0	4390
10/	13	5.0	4390
10/	9	5.0	4390
10/	11	5.0	4390
8/	20	8.0	4350
6/	15	10.5	4350
7/	23	4.7	4350
10/	16	4.3	4340
8/	18	4.0	4330
6/	21	6.8	4330
6/	17	9.3	4320
10/	20	3.6	4320
8/	30	7.6	4310
8/	7	7.6	4290
6/	27	10.0	4290
10/	17	4.0	4290
7/	16	6.0	4280
7/	25	9.6	4280
8/	28	3.4	4270
7/	9	6.0	4270
6/	19	6.0	4250
8/	18	2.9	4230
8/	21	7.3	4230
8/	8	7.0	4220
6/	12	14.5	4220
8/	24	3.5	4210
7/	24	4.3	4200
7/	12	13.6	4200
8/	9	5.3	4190
7/	5	6.0	4180
8/	19	5.0	4160
7/	11	6.0	4160
7/	2	8.6	4140
7/	10	5.3	4130
8/	13	6.6	4130

SORT BY FLOW LOW TO HIGH 01/1 TO 12/31			
DATA FROM CUM AVG GERO			
Month	D. Weeener	Q	EC
	DAY OF MONTH	FLOW IN CFS	ELECT. COND MICRO-SFCM
8/	15	2.6	3990
8/	25	2.8	4880
8/	16	2.9	4230
8/	26	3.0	4820
9/	1	3.0	4470
8/	14	3.4	4460
8/	28	3.4	4270
8/	24	3.5	4210
10/	20	3.6	4320
8/	17	3.6	4520
9/	2	3.8	4740
7/	21	3.8	3820
9/	3	3.8	4740
10/	19	3.8	4420
8/	27	3.8	4440
10/	18	3.8	4410
10/	26	3.8	4490
10/	17	4.0	4290
8/	18	4.0	4330
10/	22	4.0	4520
7/	22	4.0	3870
8/	31	4.0	4120
10/	21	4.0	4390
10/	25	4.0	4430
10/	24	4.0	4480
10/	23	4.0	4500
7/	20	4.3	3900
10/	27	4.3	4440
7/	24	4.3	4200
10/	7	4.3	3890
10/	16	4.3	4340
10/	6	4.7	3540
7/	23	4.7	4350
10/	9	5.0	4390
10/	12	5.0	4390
8/	19	5.0	4160
10/	8	5.0	4040
10/	11	5.0	4390
9/	13	5.0	2030
10/	10	5.0	4390
10/	13	5.0	4390
10/	14	5.0	4600
10/	15	5.0	4600
7/	10	5.3	4130
10/	28	5.3	4510
8/	9	5.3	4110
7/	9	5.3	3980
10/	28	5.3	4420
8/	9	5.3	4190
7/	19	5.7	3890
7/	18	5.7	3910
11/	4	5.7	4530
11/	5	5.7	4490
8/	29	5.7	4650
11/	6	5.7	4500
10/	31	5.7	4800
10/	30	5.7	4550
7/	5	6.0	4160
7/	11	6.0	4160
7/	19	6.0	4280
11/	7	6.0	4510
11/	1	6.0	4580
10/	5	6.0	3360
11/	2	6.0	4540
11/	3	6.0	4540
11/	8	6.3	4470
6/	22	6.3	4480
11/	9	6.3	4480
7/	15	6.3	4520
7/	7	6.3	4470
9/	16	6.3	2920
7/	17	6.3	4050
8/	11	6.6	3690
8/	13	6.6	4130
7/	4	6.6	3960
6/	21	6.6	4330
11/	10	7.0	4490
11/	11	7.0	4490
8/	8	7.0	4220
9/	17	7.0	2870.0
8/	21	7.3	4230
8/	5	7.3	3830
7/	6	7.3	4570
7/	14	7.3	5090
8/	30	7.6	4310
8/	7	7.6	4290
8/	20	7.6	4400
8/	10	7.6	4120
8/	1	8.0	3560

GERONIMO STATION WATER QUALITY REPORT

2003

COMPARISON OF EC TO FLOW

DAILY AVERAGE

DATA SOURCE FOR QUERY

ORIGINAL DATA

DATA FROM CUM AVG GERO			
Month	D. Weeener	Q	EC
2003	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-SCM
4/	1	169.1	1250
4/	2	157.1	1410
4/	3	144.0	1440
4/	4	130.0	1490
4/	5	134.0	1470
4/	6	134.0	1460
4/	7	120.0	1460
4/	8	124.0	1490
4/	9	114.0	1540
4/	10	104.0	1580
4/	11	108.0	1800
4/	12	190.0	1580
4/	13	186.0	1580
4/	14	200.0	1610
4/	15	200.0	1570
4/	16	244.7	1470
4/	17	267.6	1420
4/	18	284.8	1390
4/	19	230.0	1390
4/	20	208.0	1430
4/	21	180.0	1500
4/	22	200.0	1530
4/	23	185.7	1560
4/	24	197.6	1520
4/	25	190.5	1520
4/	26	185.7	1520
4/	27	173.8	1570
4/	28	188.1	1570
4/	29	171.5	1600
4/	30	178.6	1630
5/	1	171.5	1630
5/	2	171.5	1640
5/	3	157.1	1660
5/	4	150.0	1670
5/	5	148.0	1680
5/	6	140.0	1720
5/	7	126.0	1790
5/	8	116.0	1810
5/	9	112.0	1820
5/	10	102.0	1840
5/	11	102.0	1870
5/	12	98.3	1910
5/	13	82.5	2020
5/	14	82.5	2160
5/	15	78.3	2170
5/	16	67.5	2220
5/	17	58.7	2270
5/	18	50.0	2330
5/	19	47.5	2370
5/	20	55.0	2460
5/	21	50.0	2710
5/	22	44.0	2760
5/	23	56.3	2970
5/	24	56.3	3000
5/	25	48.8	2970
5/	26	46.3	3050
5/	27	41.0	3130
5/	28	36.0	3370
5/	29	36.0	3330
5/	30	33.3	3160
5/	31	33.3	3160
6/	1	29.2	3160
6/	2	26.7	3180
6/	3	23.6	3100
6/	4	21.4	3390
6/	5	22.1	3740
6/	6	22.9	3730
6/	7	19.4	3740
6/	8	17.5	3770
6/	9	16.9	3820
6/	10	15.8	3900
6/	11	16.9	4050
6/	12	14.5	4220
6/	13	13.2	4100
6/	14	12.7	4120
6/	15	10.5	4350
6/	16	9.3	4450
6/	17	8.3	4320
6/	18	9.0	4080
6/	19	8.0	4250
6/	20	8.0	4350
6/	21	6.8	4330
6/	22	6.3	4480
6/	23	10.0	4850
6/	24	9.8	4920
6/	25	10.0	4890
6/	26	11.8	4530
6/	27	10.0	4290
6/	28	10.9	4590
6/	29	10.0	4600
6/	30	10.0	3650

DATA FROM CUM AVG GERO			
Month	D. Weeener	Q	EC
2003	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-SCM
6/	14	12.7	4120
6/	31	4.0	4120
6/	10	7.6	4120
6/	8	5.3	4110
6/	13	13.2	4100
6/	19	9.0	4060
7/	1	9.0	4060
6/	11	16.9	4050
7/	17	6.3	4050
7/	3	8.6	4050
7/	8	5.0	4040
8/	15	2.6	3990
7/	9	5.3	3980
7/	4	6.6	3960
7/	18	5.7	3910
7/	20	4.3	3900
6/	10	15.6	3900
7/	19	5.7	3890
10/	7	4.3	3890
7/	22	4.0	3870
8/	23	9.6	3860
8/	5	7.3	3830
6/	9	16.9	3820
7/	21	3.8	3820
8/	22	11.8	3800
6/	8	17.5	3770
6/	5	22.1	3740
6/	7	19.4	3740
6/	6	22.9	3730
8/	12	8.0	3700
8/	11	6.8	3690
11/	30	30.8	3680
6/	30	10.0	3650
8/	4	8.0	3630
10/	2	9.6	3570
8/	1	8.0	3560
10/	1	9.6	3550
8/	3	8.0	3540
10/	6	4.7	3540
7/	31	13.6	3520
10/	3	10.0	3520
9/	30	9.0	3450
11/	28	24.3	3410
6/	4	21.4	3390
5/	28	36.0	3370
10/	4	9.3	3360
10/	5	6.0	3360
5/	29	36.0	3330
12/	1	40.0	3320
1/	28	118.0	3310
9/	29	8.3	3290
9/	28	10.0	3210
11/	28	29.2	3190
6/	2	26.7	3180
6/	1	29.2	3160
5/	30	33.3	3160
5/	31	33.3	3160
5/	27	41.0	3130
9/	6	37.0	3120
7/	30	9.3	3110
6/	3	23.6	3100
1/	28	31.7	3100
9/	20	15.6	3070
5/	28	46.3	3050
11/	27	30.8	3010
5/	24	56.3	3000
9/	19	12.7	2990
9/	8	29.2	2970
5/	25	48.8	2970
5/	23	56.3	2970
9/	9	32.5	2960
8/	2	8.0	2950
1/	27	30.0	2840
9/	18	6.3	2920
9/	24	12.7	2910
9/	17	7.0	2870.0
1/	26	25.0	2850
9/	25	13.2	2820
9/	26	16.3	2810
12/	6	41.0	2800
9/	27	11.4	2767
5/	22	44.0	2760
1/	25	28.4	2760
9/	7	32.5	2750
5/	21	50.0	2710
1/	24	37.0	2690
12/	5	34.2	2690
12/	7	42.0	2660
9/	23	13.2	2580
12/	2	47.5	2570
1/	23	38.0	2560

DATA FROM CUM AVG GERO			
Month	D. Weeener	Q	EC
2003	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-SCM
6/	19	8.0	4250
6/	20	8.0	4350
8/	2	8.0	2950
8/	12	8.0	3700
8/	3	8.0	3540
8/	4	8.0	3630
9/	29	8.3	3290
7/	2	8.6	4140
7/	3	8.6	4050
9/	30	9.0	3450
7/	1	9.0	4060
6/	18	9.0	4060
7/	30	9.3	3110
10/	4	9.3	3360
6/	18	9.3	4450
6/	17	9.3	4320
9/	4	9.3	4520
8/	23	9.6	3860
6/	24	9.6	4920
10/	1	9.6	3550
7/	25	9.6	4280
10/	2	9.6	3570
6/	29	10.0	4600
9/	28	10.0	3210
6/	30	10.0	3650
10/	3	10.0	3520
6/	27	10.0	4290
6/	25	10.0	4890
11/	12	10.0	4450
6/	23	10.0	4850
6/	15	10.5	4330
11/	13	10.5	4450
9/	12	10.9	1860
6/	26	10.9	4590
9/	27	11.4	2767
7/	13	11.4	5360
6/	26	11.8	4530
8/	22	11.8	3800
6/	14	12.7	4120
9/	16	12.7	2030.0
9/	18	12.7	2990
7/	28	12.7	2490
9/	24	12.7	2910
9/	25	13.2	2820
9/	23	13.2	2580
6/	13	13.2	4100
7/	31	13.6	3520
9/	10	13.6	2190
7/	12	13.8	4200
6/	12	14.5	4220
7/	28	14.5	2000
9/	22	14.5	2260
9/	14	15.6	2340
6/	10	15.6	3900
9/	20	15.6	3070
9/	26	16.3	2810
6/	11	16.9	4050
6/	8	16.9	3820
6/	8	17.5	3770
9/	21	17.5	2360
6/	7	19.4	3740
9/	11	20.7	1700
6/	4	21.4	3390
6/	5	22.1	3740
6/	6	22.9	3730
6/	3	23.6	3100
11/	29	24.3	3410
9/	15	25.0	2480
1/	26	25.0	2850
6/	2	26.7	3180
1/	25	28.4	2760
11/	28	29.2	3190
9/	8	29.2	2970
6/	1	29.2	3160
1/	27	30.0	2840
11/	27	30.8	3010
11/	30	30.8	3680
9/	5	31.7	4410
1/	28	31.7	3100
9/	7	32.5	2750
7/	27	32.5	1640
9/	8	32.5	2960
5/	30	33.3	3160
5/	31	33.3	3160
12/	5	34.2	2690
5/	28	36.0	3370
5/	29	36.0	3330
1/	24	37.0	2690
9/	6	37.0	3120
12/	4	38.0	2510
1/	23	38.0	2560

GERONIMO STATION WATER QUALITY REPORT

2003

COMPARISON OF EC TO FLOW
DAILY AVERAGE

DATA SOURCE FOR QUERY

ORIGINAL DATA			
DATA FROM CUM AVG GERO			
Month	D. Weeoner	Q	EC
2003	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-SCM
7/1	1	9.0	4060
7/1	2	8.6	4140
7/1	3	8.6	4050
7/1	4	6.6	3960
7/1	5	6.0	4180
7/1	6	7.3	4570
7/1	7	6.3	4470
7/1	8	6.0	4270
7/1	9	5.3	3980
7/1	10	5.3	4130
7/1	11	6.0	4160
7/1	12	13.6	4200
7/1	13	11.4	5360
7/1	14	7.3	5090
7/1	15	6.3	4520
7/1	16	6.0	4280
7/1	17	6.3	4050
7/1	18	5.7	3910
7/1	19	5.7	3890
7/1	20	4.3	3900
7/1	21	3.8	3820
7/1	22	4.0	3870
7/1	23	4.7	4350
7/1	24	4.3	4200
7/1	25	9.6	4280
7/1	26	372.2	1730
7/1	27	32.5	1640
7/1	28	14.5	2000
7/1	29	12.7	2490
7/1	30	9.3	3110
7/1	31	13.6	3520
8/1	1	8.0	3580
8/1	2	8.0	2950
8/1	3	8.0	3540
8/1	4	8.0	3630
8/1	5	7.3	3830
8/1	6	7.0	4220
8/1	7	7.6	4290
8/1	8	5.3	4110
8/1	9	5.3	4190
8/1	10	7.6	4120
8/1	11	6.6	3690
8/1	12	8.0	3700
8/1	13	6.6	4130
8/1	14	3.4	4460
8/1	15	2.6	3990
8/1	16	2.9	4230
8/1	17	3.6	4520
8/1	18	4.0	4330
8/1	19	5.0	4160
8/1	20	7.6	4400
8/1	21	7.3	4230
8/1	22	11.8	3800
8/1	23	9.6	3860
8/1	24	3.5	4210
8/1	25	2.8	4880
8/1	26	3.0	4820
8/1	27	3.8	4440
8/1	28	3.4	4270
8/1	29	5.7	4650
8/1	30	7.6	4310
8/1	31	4.0	4120
9/1	1	3.0	4470
9/1	2	3.8	4740
9/1	3	3.8	4740
9/1	4	9.3	4520
9/1	5	31.7	4410
9/1	6	37.0	3120
9/1	7	32.5	2750
9/1	8	29.2	2970
9/1	9	32.5	2960
9/1	10	13.6	2190
9/1	11	20.7	1700
9/1	12	10.9	1860
9/1	13	5.0	2030
9/1	14	15.6	2340
9/1	15	25.0	2480
9/1	16	12.7	2030.0
9/1	17	7.0	2870.0
9/1	18	6.3	2920
9/1	19	12.7	2990
9/1	20	15.6	3070
9/1	21	17.5	2360
9/1	22	14.5	2260
9/1	23	13.2	2580
9/1	24	12.7	2910
9/1	25	13.2	2820
9/1	26	16.3	2810
9/1	27	11.4	2767
9/1	28	10.0	3210
9/1	29	8.3	3290
9/1	30	9.0	3450

SORT BY EC HIGH TO LOW 01/1 TO 12/31			
DATA FROM CUM AVG GERO QUERY			
Month	D. Weeoner	Q	EC
2003	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-SCM
			SORT BY Descending
12/1	26	67.5	2530
11/1	26	39.2	2530
12/1	4	38.0	2510
7/1	29	12.7	2490
12/1	9	50.0	2490
9/1	15	25.0	2480
5/1	20	55.0	2460
12/1	3	43.0	2380
5/1	19	47.5	2370
12/1	25	55.0	2360
9/1	21	17.5	2360
1/1	18	55.0	2360
1/1	1	75.0	2350
1/1	22	45.0	2350
9/1	14	15.6	2340
12/1	10	44.0	2330
5/1	18	50.0	2330
12/1	11	61.3	2320
1/1	19	63.8	2300
1/1	30	148.0	2300
1/1	17	55.0	2300
12/1	9	50.0	2290
1/1	2	100.0	2270
5/1	17	58.7	2270
1/1	21	80.0	2260
9/1	22	14.5	2260
1/1	16	81.3	2260
1/1	7	83.3	2250
1/1	20	62.5	2230
5/1	18	67.5	2220
1/1	6	106.0	2210
12/1	24	67.5	2200
9/1	10	13.6	2190
1/1	5	106.0	2190
3/1	6	81.3	2190
1/1	4	110.0	2190
5/1	15	78.3	2170
1/1	3	102.0	2170
5/1	14	82.5	2160
1/1	15	61.3	2080
12/1	27	76.7	2070
11/1	25	50.0	2060
1/1	8	81.7	2060
9/1	16	12.7	2030.0
9/1	13	5.0	2030
5/1	13	82.5	2020
12/1	23	75.0	2010
12/1	28	80.0	2010
3/1	5	70.0	2000
7/1	28	14.5	2000
12/1	29	86.7	1970
1/1	14	62.5	1950
12/1	31	93.3	1910
5/1	12	98.3	1910
12/1	30	95.0	1890
12/1	12	76.7	1880
5/1	11	102.0	1870
1/1	13	65.0	1870
9/1	12	10.9	1860
3/1	3	116.0	1850
3/1	2	112.0	1850
3/1	9	98.3	1840
3/1	4	91.4	1840
5/1	10	102.0	1840
11/1	24	67.5	1840
5/1	9	112.0	1820
5/1	8	116.0	1810
1/1	12	76.7	1790
5/1	7	126.0	1790
12/1	22	91.7	1780
3/1	10	116.0	1760
1/1	10	81.7	1750
1/1	11	85.0	1750
1/1	9	86.7	1740
12/1	28	372.2	1730
3/1	1	104.0	1730
5/1	6	140.0	1720
11/1	23	83.8	1720
12/1	21	104.0	1710
3/1	8	100.0	1700
9/1	11	20.7	1700
5/1	5	148.0	1680
12/1	13	90.0	1680
12/1	15	93.3	1670
5/1	4	150.0	1670
5/1	3	157.1	1660
12/1	20	106.0	1650
3/1	7	126.0	1650
5/1	2	171.5	1640
7/1	27	32.5	1640
5/1	1	171.5	1630
4/1	30	178.6	1630

SORT BY FLOW LOW TO HIGH 01/1 TO 12/31			
DATA FROM CUM AVG GERO QUERY			
Month	D. Weeoner	Q	EC
2003	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-SCM
			SORT BY Ascending
11/1	26	39.2	2530
12/1	1	40.0	3320
5/1	27	41.0	3130
12/1	6	41.0	2800
12/1	7	42.0	2660
12/1	3	43.0	2380
5/1	22	44.0	2760
12/1	10	44.0	2330
1/1	22	45.0	2350
5/1	26	46.3	3050
12/1	2	47.5	2570
5/1	19	47.5	2370
5/1	25	48.8	2970
12/1	9	50.0	2290
11/1	25	50.0	2060
12/1	8	50.0	2490
5/1	18	50.0	2330
5/1	21	50.0	2710
12/1	25	55.0	2360
5/1	20	55.0	2460
1/1	17	55.0	2300
1/1	18	55.0	2360
5/1	24	56.3	3000
5/1	23	56.3	2970
5/1	17	58.7	2270
1/1	21	60.0	2280
1/1	15	61.3	2080
12/1	11	61.3	2320
1/1	16	61.3	2280
1/1	20	62.5	2230
1/1	14	62.5	1950
1/1	19	63.8	2300
1/1	13	65.0	1870
11/1	24	67.5	1840
12/1	24	67.5	2200
12/1	26	67.5	2530
5/1	16	67.5	2220
3/1	5	70.0	2000
1/1	1	75.0	2350
12/1	23	75.0	2010
1/1	12	76.7	1780
12/1	12	76.7	1680
12/1	27	76.7	2070
11/1	14	76.7	4510
5/1	15	78.3	2170
12/1	28	80.0	2010
3/1	6	81.3	2190
5/1	14	82.5	2160
5/1	13	82.5	2020
11/1	23	83.8	1720
1/1	11	85.0	1750
1/1	9	86.7	1740
12/1	29	86.7	1970
12/1	13	90.0	1680
3/1	4	91.4	1840
12/1	22	91.7	1780
1/1	10	91.7	1750
1/1	8	91.7	2060
12/1	15	93.3	1670
12/1	31	93.3	1910
1/1	7	93.3	2250
12/1	30	95.0	1890
12/1	14	95.0	1610
11/1	22	96.7	1540
5/1	12	98.3	1910
3/1	9	98.3	1840
1/1	2	100.0	2270
3/1	8	100.0	1700
5/1	10	102.0	1840
1/1	3	102.0	2170
5/1	11	102.0	1870
12/1	16	102.0	1800
12/1	21	104.0	1710
3/1	1	104.0	1730
12/1	17	104.0	1580
4/1	10	104.0	1580
1/1	6	106.0	2210
12/1	18	106.0	1590
1/1	5	106.0	2190
12/1	20	106.0	1650
12/1	19	106.0	1630
4/1	11	108.0	1600
1/1	4	110.0	2180
5/1	9	112.0	1820
11/1	21	112.0	1360
3/1	2	112.0	1850
4/1	9	114.0	1540
5/1	8	116.0	1610
3/1	3	116.0	1850
3/1	10	116.0	1760
1/1	26	118.0	3310
4/1	7	120.0	1460

GERONIMO STATION WATER QUALITY REPORT

2003

COMPARISON OF EC TO FLOW

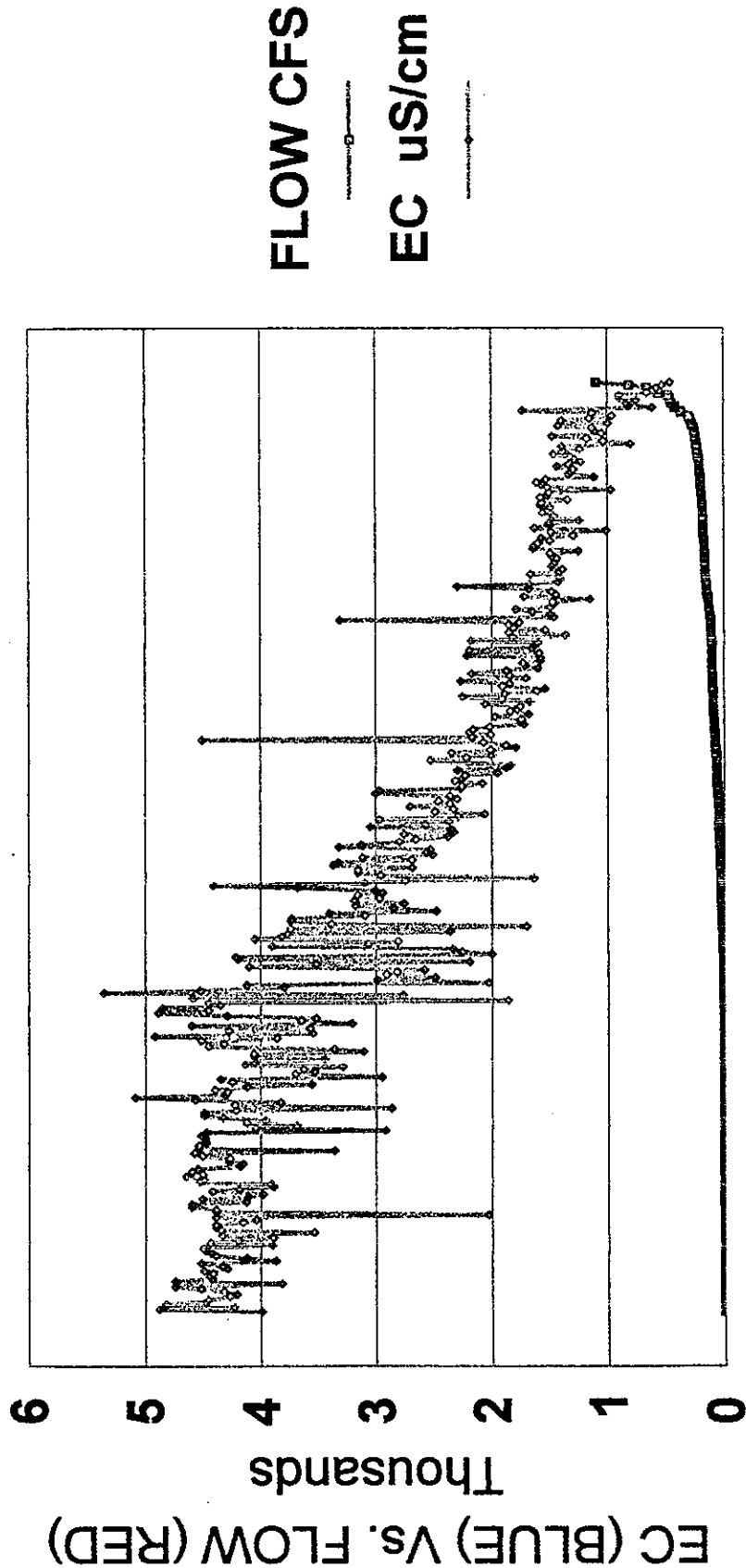
DATA SOURCE FOR QUERY

ORIGINAL DATA			
DATA FROM CUM AVG GERO			
Month	D. Weeemer	Q	EC
	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-S/CM
10/	1	9.6	3550
10/	2	9.6	3570
10/	3	10.0	3520
10/	4	9.3	3360
10/	5	6.0	3360
10/	6	4.7	3540
10/	7	4.3	3890
10/	8	5.0	4040
10/	9	5.0	4390
10/	10	5.0	4390
10/	11	5.0	4390
10/	12	5.0	4390
10/	13	5.0	4390
10/	14	5.0	4600
10/	15	5.0	4600
10/	16	4.3	4340
10/	17	4.0	4290
10/	18	3.8	4410
10/	19	3.8	4420
10/	20	3.6	4320
10/	21	4.0	4390
10/	22	4.0	4520
10/	23	4.0	4500
10/	24	4.0	4480
10/	25	4.0	4430
10/	26	3.8	4490
10/	27	4.3	4440
10/	28	5.3	4420
10/	29	5.3	4510
10/	30	5.7	4550
10/	31	5.7	4600
11/	1	6.0	4580
11/	2	6.0	4540
11/	3	6.8	4540
11/	4	5.7	4530
11/	5	5.7	4490
11/	6	5.7	4500
11/	7	6.0	4510
11/	8	6.3	4470
11/	9	6.3	4480
11/	10	7.0	4490
11/	11	7.0	4490
11/	12	10.0	4450
11/	13	10.5	4450
11/	14	76.7	4510
11/	15	1,097.0	460
11/	16	417.9	610
11/	17	236.9	800
11/	18	195.3	970
11/	19	178.6	1010
11/	20	136.0	1150
11/	21	112.0	1360
11/	22	96.7	1540
11/	23	83.8	1720
11/	24	67.5	1840
11/	25	50.0	2080
11/	26	39.2	2530
11/	27	30.8	3010
11/	28	29.2	3190
11/	29	24.3	3410
11/	30	30.8	3680
12/	1	40.0	3320
12/	2	47.5	2570
12/	3	43.0	2380
12/	4	38.0	2510
12/	5	34.2	2690
12/	6	41.0	2800
12/	7	42.0	2660
12/	8	50.0	2490
12/	9	50.0	2290
12/	10	44.0	2330
12/	11	61.3	2320
12/	12	76.7	1880
12/	13	90.0	1680
12/	14	95.0	1610
12/	15	93.3	1670
12/	16	102.0	1600
12/	17	104.0	1580
12/	18	106.0	1590
12/	19	106.0	1630
12/	20	106.0	1650
12/	21	104.0	1710
12/	22	91.7	1780
12/	23	75.0	2010
12/	24	67.5	2200
12/	25	55.0	2360
12/	26	67.5	2530
12/	27	76.7	2070
12/	28	80.0	2010
12/	29	86.7	1970
12/	30	95.0	1890
12/	31	93.3	1910

SORT BY EC HIGH TO LOW 01/1 TO 12/31			
DATA FROM CUM AVG GERO QUERY			
Month	D. Weeemer	Q	EC
	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-S/CM
12/	19	106.0	1630
12/	14	95.0	1610
4/	14	200.0	1610
4/	11	108.0	1600
4/	28	171.5	1600
12/	16	102.0	1600
12/	18	106.0	1590
4/	12	190.0	1580
12/	17	104.0	1580
4/	19	104.0	1580
4/	13	186.0	1580
4/	28	188.1	1570
4/	27	173.8	1570
4/	15	200.0	1570
4/	23	185.7	1560
4/	9	114.0	1540
11/	22	96.7	1540
4/	22	200.0	1530
4/	25	190.5	1520
4/	26	185.7	1520
4/	24	197.6	1520
2/	14	192.9	1500
4/	21	180.0	1500
2/	8	172.0	1490
4/	4	130.0	1490
2/	13	185.7	1490
2/	12	178.8	1490
4/	8	124.0	1490
2/	7	186.7	1490
2/	5	186.7	1490
2/	11	183.4	1490
2/	9	178.6	1490
3/	11	148.0	1480
2/	6	164.3	1480
4/	16	244.7	1470
4/	5	134.0	1470
2/	4	164.3	1460
4/	7	120.0	1460
4/	8	134.0	1460
2/	15	223.7	1460
2/	10	183.4	1460
2/	3	164.3	1450
4/	3	144.0	1440
2/	2	164.3	1430
4/	20	208.0	1430
3/	12	154.8	1420
4/	17	267.6	1420
2/	1	161.9	1410
4/	2	157.1	1410
11/	31	157.1	1400
4/	19	230.0	1390
4/	18	284.8	1390
3/	13	164.3	1380
2/	27	226.3	1380
11/	21	112.0	1360
2/	25	188.0	1340
2/	26	210.5	1330
2/	24	205.3	1330
2/	28	218.4	1320
2/	23	207.9	1310
3/	17	207.9	1290
3/	14	176.2	1290
2/	22	213.2	1280
4/	1	169.1	1250
3/	15	181.0	1240
2/	21	229.0	1232
3/	16	210.5	1222
2/	20	242.1	1173
11/	20	136.0	1150
3/	18	290.6	1150
2/	16	361.1	1130
2/	17	255.9	1130
3/	31	202.6	1110
2/	18	250.0	1108
2/	18	250.0	1047
3/	30	239.5	1030
11/	18	178.6	1010
3/	28	275.9	990
11/	18	195.3	970
3/	28	300.0	960
3/	27	465.4	900
3/	27	477.0	900
3/	25	450.0	840
3/	24	421.4	820
11/	17	236.9	800
3/	23	457.7	750
3/	22	562.5	660
11/	18	417.9	610
3/	21	663.6	580
3/	20	658.1	560
3/	19	815.0	530
11/	15	1,097.0	460

SORT BY FLOW LOW TO HIGH 01/1 TO 12/31			
DATA FROM CUM AVG GERO QUERY			
Month	D. Weeemer	Q	EC
	DAY of MONTH	FLOW IN CFS	ELECT. COND MICRO-S/CM
4/	8	124.0	1490
3/	7	126.0	1650
5/	7	126.0	1790
4/	4	130.0	1490
4/	6	134.0	1460
4/	5	134.0	1470
11/	20	136.0	1150
5/	6	140.0	1720
4/	3	144.0	1440
3/	11	148.0	1480
5/	5	148.0	1680
1/	30	148.0	2300
5/	4	150.0	1670
3/	12	154.8	1420
1/	31	157.1	1400
4/	2	157.1	1410
5/	3	157.1	1680
2/	1	161.9	1410
3/	13	164.3	1380
2/	6	164.3	1480
2/	4	164.3	1480
2/	3	164.3	1450
2/	2	164.3	1430
2/	5	166.7	1480
2/	7	166.7	1480
4/	1	169.1	1250
5/	2	171.5	1640
5/	1	171.5	1630
4/	29	171.5	1600
2/	8	172.0	1490
4/	27	173.8	1570
3/	14	176.2	1290
2/	9	178.6	1480
11/	19	178.6	1010
4/	30	178.6	1630
2/	12	178.6	1490
4/	21	180.0	1500
3/	15	181.0	1240
2/	11	183.4	1480
2/	10	183.4	1480
4/	23	185.7	1560
4/	26	185.7	1520
2/	13	185.7	1490
4/	13	186.0	1580
4/	28	188.1	1570
2/	25	188.0	1340
4/	12	190.0	1580
4/	25	190.5	1520
2/	14	192.9	1500
11/	18	195.3	970
4/	24	197.6	1520
4/	15	200.0	1570
4/	14	200.0	1610
4/	22	200.0	1530
3/	31	202.6	1110
2/	24	205.3	1330
2/	23	207.9	1310
3/	17	207.9	1290
2/	22	213.2	1280
2/	26	218.4	1320
2/	15	223.7	1480
2/	27	226.3	1390
4/	19	230.0	1390
11/	17	236.9	800
3/	30	239.5	1030
2/	20	242.1	1173
4/	16	244.7	1470
2/	18	250.0	1047
2/	17	250.0	1108
4/	17	255.9	1130
3/	29	275.9	990
4/	18	284.8	1390
3/	18	290.6	1150
3/	28	300.0	960
7/	26	372.2	1730
11/	18	417.9	610
3/	24	421.4	820
3/	25	450.0	840
3/	23	457.7	750
3/	27	465.4	900
3/	28	477.0	900
3/	22	562.5	660
3/	22	562.5	660
3/	20	658.1	560
3/	21	663.6	580
3/	19	815.0	530
11/	15	1,097.0	460

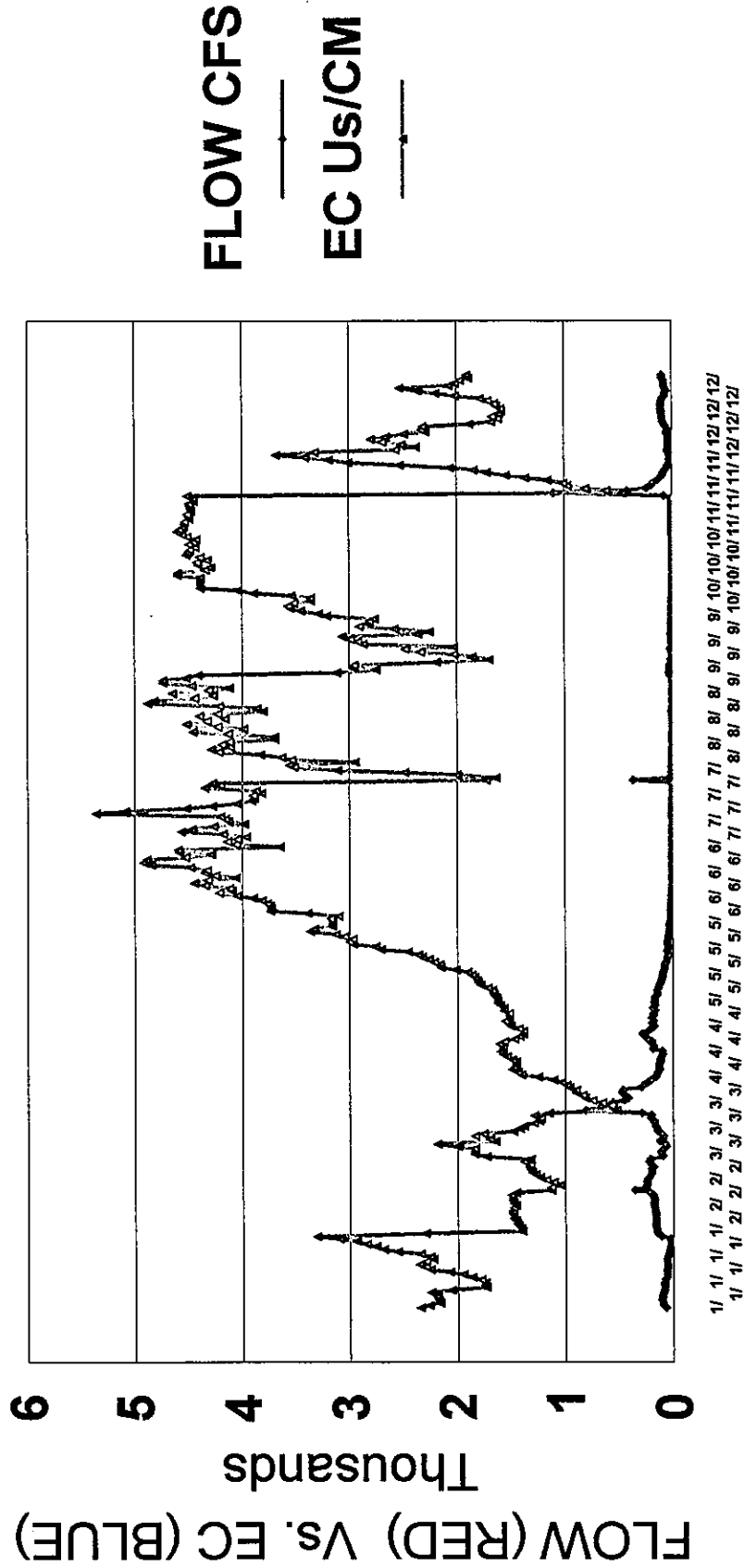
GERONIMO / QUERY EC Vs. FLOW 2003



7/8/03 10/06/03 10/08/03 10/10/03 10/12/03 10/14/03 10/16/03 10/18/03 10/20/03 10/22/03 10/24/03 10/26/03 10/28/03 10/30/03 11/1/03 11/3/03 11/5/03 11/7/03 11/9/03 11/11/03 11/13/03 11/15/03 11/17/03 11/19/03 11/21/03 11/23/03 11/25/03 11/27/03 11/29/03 12/1/03 12/3/03 12/5/03 12/7/03 12/9/03 12/11/03 12/13/03 12/15/03 12/17/03 12/19/03 12/21/03 12/23/03 12/25/03 12/27/03 12/29/03 1/1/04 1/3/04 1/5/04 1/7/04 1/9/04 1/11/04 1/13/04 1/15/04 1/17/04 1/19/04 1/21/04 1/23/04 1/25/04 1/27/04 1/29/04 2/1/04 2/3/04 2/5/04 2/7/04 2/9/04 2/11/04 2/13/04 2/15/04 2/17/04 2/19/04 2/21/04 2/23/04 2/25/04 2/27/04 2/29/04 3/1/04 3/3/04 3/5/04 3/7/04 3/9/04 3/11/04

MONTH 2003

GERONIM STATION 2003 GILA RIVER FLOWS VS. EC



MONTH OF YEAR 2003

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 2003, the Gila Valley Irrigation District did not notify the Commissioner’s Office of any efforts taken to minimize the salt content of the water in the Gila River.

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 2003), 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 2003.

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	40.41	21.18	7.15	0.00	2.24	1.20	0.00	31.77
Safford Valley	391.10	234.78	7.06	3.93	14.61	42.57	9.05	315.73
Lower Valley SCIDD	235.23	66.29	85.51	0.45	0.75	8.82	0.00	161.82
TOTAL	666.74	322.25	99.72	4.38	17.60	52.59	9.05	509.32

The percent of Small Parcel TBI decreed lands irrigated in 2003 was 76.4 percent of the total Small Parcel decreed lands submitted to the Commissioner’s Office in 2003.

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GILA WATER COMMISSIONER
Donald L. Weesner
HC 2 Box 95-F
Payson, AZ 85441
Telephone (928) 478-4039

UNITED STATES DISTRICT COURT
DISTRICT OF ARIZONA

UNITED STATES OF AMERICA,
Plaintiff,
and
GILA RIVER INDIAN COMMUNITY,
Plaintiff in
Intervention,
and
SAN CARLOS APACHE TRIBE,
Plaintiff in
Intervention,
Vs.
GILA VALLEY IRRIGATION
DISTRICT, ET AL.,
Defendants.

Case No.: CV31-59-TUC-SMB
aka: (GLOBE EQUITY NO. 59)

REPORT OF GILA WATER
COMMISSIONER OF ACTIONS TAKEN
TO RESOLVE VIOLATIONS OF
"THEN BEING IRRIGATED" (TBI)
REGULATIONS IN CALENDAR YEAR
2003

(Assigned to the Honorable
Susan R. Bolton)

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

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

7 Pursuant to the Commissioner's audit of lands under the Gila Decree, violations of the
8 TBI regulations in calendar year 2003 were determined and resolved as follows:

9 **SEE ATTACHMENT "A" FOR SUMMATION OF VIOLATIONS AND RESOLUTIONS**
10 **THEREOF.**

11
12 Respectfully submitted this 22nd day of March, 2004.

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15 Donald L. Weesner
Gila Water Commissioner

16 ORIGINAL AND TWO COPIES of the foregoing mailed this
17 22nd day of March, 2004 to:

18 Mr. Richard Weare
19 Clerk, United States District Court
20 401 West Washington
Phoenix, AZ 85003

21 TWO COPIES of the foregoing
mailed this 22nd day of March, 2004 to:

22 Honorable Susan R. Bolton
23 Judge, United States District Court
401 West Washington
24 Phoenix, AZ 85003

25
26 C:\MDWF\Court\2003Ann_Audit.3_16_04.Report.wpd

1 COPY of the foregoing mailed the above date to:

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Gila Water Commissioner
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Payson, AZ 85541



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ATTACHMENT "A"

According to the Commissioner's 2003 audits the following is a summary of findings according to the Regulations for reporting and Auditing Lands "Then Being Irrigated". "TBI"

Franklin Valley Irrigation District:

All parcels in the Franklin Valley District reviewed by Satellite Images

2003 Decreed Acres Reported: 6,864.65

2003 TBI Acres Reported 5,760.21

TBI Acres Physically Audited 742.55

Owner Notified of Possible Violation via Letter: 68.50 acres resulting in:
32.00 acres filed supplement
36.50 acres filed affidavit

Percent audited for 2003 13% No Violations

#####

Gila Valley Irrigation District:

All parcels in the Gila Valley District reviewed by Satellite Images

2003 Decreed Acres Reported: 32,512.40

2003 TBI Acres Reported 27,519.30

TBI Acres Physically Audited 2,804.45

Owner Notified of Possible Violation via Letter: 111.20 acres resulting in
83.20 acres filed supplement
28.00 filed affidavit

Percent audited for 2003 10% No Violations

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San Carlos Irrigation and Drainage District:

All parcels in the San Carlos District reviewed by Satellite maps

2003 Decreed Acres Reported: 50,000.00

2003 TBI Acres Reported 22,486.42

TBI Acres Physically Audited 3,040.40

Owner Notified of Possible Violation via Letter: 2,824.30 acres resulting in
(Water Cards) 1,595.13 acres filed supplement
1,229.17 acres filed affidavit

Percent audited for 2003 13.5% No Violations

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Gila River Indian Community:

All parcels in the San Carlos District reviewed by Satellite maps

2003 Decreed Acres Reported: 50,546.00

2003 TBI Acres Reported 17,483.39

TBI Acres Physically Audited 1,579.06

Percent audited for 2003 9% No Violations

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San Carlos Apache Tribe:

All parcels in the San Carlos District reviewed by Satellite maps

2003 Decreed Acres Reported:	1,000.00
2003 TBI Acres Reported	311.00
TBI Acres Physically Audited	270.00

Percent audited for 2003 87%

No Violations

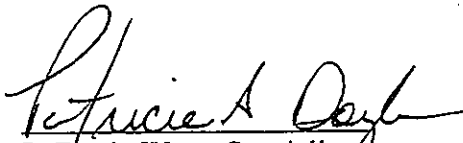
####

ASARCO INC. AGRICULTURAL LANDS: (JJ Anderson Lands)

No TBI lands registered

2003 Decreed Acres Reported:	214.87
2003 TBI Acres Reported	0.00
TBI Acres Physically Audited	0.00

No Violations


P. Doyle Water Specialists

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2003
COURT ORDERS

<u>Date of Order</u>	<u>Order</u>
01/07/2003	Order Approving Gila Water Commissioner's Amended 2003 Budget
01/07/2003	Order Authorizing Payment of the Unpaid Balance of the Third Quarter 2002 Fees From the Surplus Reported In the Water Commissioner's 2003 Budget Petition.
01/30/2003	Order Setting Date for Objections to Water Commissioner's 4 th Quarter 2002 Attorney Fees
02/11/2003	Order Granting San Carlos Apache Tribes' Motion for Accelerated Consideration Re: Central Arizona Project Water Purchase and Exchange by the San Carlos Apaches.
02/27/2003	Order Referring San Carlos Apache Tribe's Motion "Central Arizona Project Water Purchase and Exchange" to the Globe Equity 59 Technical Committee.
03/25/2003	Order Approving Water Commissioner's 4 th Quarter 2002 Attorney Fees.
3/27/2003	Order Re: San Carlos Apache Tribe 2003 Central Arizona Project Exchange and Water Available as a Basis of Apportionment
04/03/2003	Minute Order Setting Date for Objections to the Stipulation and Order Submitted by the San Carlos Apache Tribe and The San Carlos Irrigation Project Re: San Carlos Apache Tribe 2003 Central Arizona Project Exchange and Water Available as a Basis of Apportionment and ASARCO's Consent to Entry of that Order
04/11/2003	Order Setting Date for Objections to Water Commissioner's 1 st Quarter 2003 Attorney Fees.
04/15/2003	Order Re: San Carlos Apache Tribe 2003 Central Arizona Project Exchange and Water Available as a Basis of Apportionment
05/19/2003	Minute Order setting dates to file opposition to or comment on the motion for purchase and exchange of Central Arizona Project Water for the Town of Kearny, and the Response of the Gila Water Commission to the Motion.
05/29/2003	Order Approving Water Commissioner's 1 st Quarter 2003 Attorney Fees.
06/06/2003	Order for Purchase and Exchange of Central Arizona Project Water for the Town of Kearny.
06/23/2003	Order Approving Withdrawal of Counsel and Approving Successor Counsel

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07/01/2003 Order Approving Withdrawal of Counsel to HRS Farms, LLP

07/01/2003 Order Denying Objections of the Community and SCIDD to the Report of Gila Water Commissioner on Reasonable Measures to Implement Court Order Re: San Carlos Apache Tribe 2003 Central Arizona Project Exchange.

07/15/2003 Order Setting Date for Objections to Water Commissioner's 2nd Quarter 2003 Attorney Fees.

08/07/2003 Order of Withdrawal

08/15/2003 Order of Reassignment

08/19/2003 Order Granting San Carlos Apache Tribe Leave to Exceed Page Limitation Imposed by Local Rule 1.10(e).

08/28/2003 Order Granting Gila Valley Irrigation District and Franklin Irrigation District's Motion to Exceed the Page Limit.

09/11/2003 Order Setting Date for Filing Objections to the Gila Water Commissioner's 2004 Budget

09/17/2003 Order Approving Water Commissioner's 2nd Quarter 2003 Attorney Fees.

09/17/2003 Order Granting Leave for the United States to File Response to the Town of Kearny's Motion to Amend Order.

09/18/2003 Order Granting Kearny's Motion for Expedited Consideration of its Motion for Order Amending Purchase and Exchange of Central Arizona Project Water. Setting Date for all Parties to File its Opposition to the Motion. Ordering Town of Kearny to File by Same Date Its Justification, if it has One, for this Court not requiring it to Follow the Provisions of Judge Coughenour. Order Setting Date for Town of Kearny's Reply.

09/29/2003 Order Extending Page Limit

10/20/2003 Order Granting United States Leave to File Response to the SCIDD Motion for Summary Judgement, on Sept. 26, 2003.

10/20/2003 Order Granting Defendants Extension of Time to respond to SCAR's Partial Motion for Summary Judgment and Response to the SCIDD Motion for Summary Judgment.

10/20/2003 Order Granting Defendants Extension of Time to Reply to SCIDD's Response to "Suggestions" by the Upper Valley Defendants to Vacate Filing Deadlines for Responding to the Districts Motion for Summary Judgement and Set a Status Conference.

10/21/2003 Order Extending Deadline for the SCIDD to Reply to District's Motion for Summary Judgement

10/21/2003 Order Setting Date for Objections to Water Commissioner's 3rd Quarter 2003 Attorney Fees.

10/24/2003 Order Granting in Part, Town of Kearny's Motion to Amend and Further Ordered Amending Judge Coughenour's June 6, 2003 Order, Filed June 10, 2003, at Page 5, Line 17, changing the Words "and up to 150 acre-feet" to "and up tp 320 acre-feet.

10/29/2003 Amended Order Granting Kearny's Motion for Expedited Consideration of its Motion for Order Amending Purchase and Exchange of Central Arizona Project Water. Setting Date for all Parties to File its Opposition to the Motion. Ordering Town of Kearny to File by Same Date Its Justification for Court not Following Provisions of Judge Coughenour. Order Setting Date for Town of Kearny's Reply.

11/12/2003 Order Approving Water Commissioner's Year 2004 Budget

11/14/2003 Order Granting the Apache Tribe Leave to Exceed the Page Limitation Imposed by Local Rule 1.10e.

11/24/2003 Order Approving Water Commissioner's 3rd Quarter 2003 Attorney Fees.

12/2/2003 Order Granting San Carlos Apache Tribe's Motion for Extension of Time to File Replies.

12/11/2003 Order Granting Gila Water Commissioner's Petition Re: San Carlos Apache Tribe 2003 CAP Exchange.

12/12/2003 Order Granting the Apache Tribe Leave to Exceed the Page Limitation Imposed by Local Rule 1.10e and File its December 10, 2003, Reply to Gila Valley Irrigation District's and Franklin Irrigation District's Response to the Apache Tribe's Motion for Partial Summary Judgment.

2003
FINANCIAL STATEMENT
WATER COMMISSIONER'S ACCOUNT
RECEIPTS

Plaintiffs			
San Carlos Irrigation Project	\$85,910.40		
SCIP 03 assessment pre-paid (Interest)	817.18		
San Carlos Agency	858.50		
Gila Crossing	<u>4,787.91</u>		
		\$92,373.99	
Defendants			
Gila Valley Irrigation District	55,271.08		
Franklin Irrigation District	8,051.80		
Sunset Ditch Company	4,137.83		
Model Canal Company	724.54		
ASARCO	13,829.39		
Town of Kearny	536.12		
York Valley	<u>1,767.72</u>		
		84,118.28	
Miscellaneous Receipts		1,702.37	
Dental Insurance Reimbursement		523.50	
Retirement redemption		9,020.52	
Interest Income		3,741.81	
Attorney fee reimbursement (Town of Kearny)		<u>5,513.00</u>	
Total Receipts			\$196,993.47
Balance Forward 2002			590,855.50
			<u>\$787,848.97</u>

DISBURSEMENTS

Personnel			
Don L. Weesner	\$80,979.12		
Jon W. Allred	51,594.86		
James W. Pavlacky	39,930.00		
Waylon D. West	20,910.00		
Patricia A. Doyle	17,673.57		
Maria Moore	5,825.00		
Ferne E. Rogers	7,312.36		
F. I. C. A.	13,883.36		
Medicare	3,248.93		
Federal Unemployment Tax	<u>2,962.75</u>		
		\$244,008.05	
Employee Benefit Plan			
Retirement	11,805.13		
Medical Insurance	28,820.49		
Retirement Redemption	<u>9,020.52</u>		
		49,448.14	
George E. Greiner (Consulting Fee)		6,000.00	
Travel plus Allowance			
Don L. Weesner	3,541.00		
Jon W. Allred	2,738.92		
James W. Pavlacky	3,056.75		
Waylon D. West	818.83		
Patricia A. Doyle	<u>1,041.28</u>		
		10,984.88	
2002 Attorney Fees and costs			
Brent F. Moody	24,381.57		
Charles W. Whetstone	<u>218.44</u>		
		24,600.01	
2003 Attorney Fees and costs			
Brent F. Moody	66,860.89		
Charles W. Whetstone	<u>817.10</u>		
		67,677.99	
2002 Carry-over Expenses			
Geronimo Station expenses		857.88	
Geronimo Station Measurements		1,812.49	
Joint Funding (Stream flow records)		450.00	
		148,740.00	
Capital Purchases			
Telemetry	934.70		
GSI Monitoring	14,850.00		
Gateway and Dell Computer	2,386.52		
Office Furniture	<u>470.11</u>		
		18,621.33	
Other expenses			
Annual Audit	1,300.00		
Communications	11,491.79		
Computer	1,842.79		
Insurance & Bonds	4,354.00		
Office Expenses	5,132.78		
Rent and Utilities	8,181.88		
Tower Rental	814.83		
Workmen's Compensation	2,586.00		
Miscellaneous	576.43		
Water Quality Expendures	207.99		
Contingency Expenses	523.77		
Correction 12/31/02	<u></u>		
		37,121.04	
Total Disbursements			\$808,129.81
Balance on hand 1/1/2004			179,719.36
			<u>\$787,848.97</u>

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INDEPENDENT AUDITORS' REPORT

To the Gila Water Commissioner
Safford, Arizona

We have audited the accompanying statement of assets, liabilities, and equity – cash basis of the Gila Water Commissioner as of December 31, 2003, and the related statements of revenue, expenses, and changes in retained earnings – cash basis for the year then ended. These financial statements are the responsibility of the Gila Water Commissioner. 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, 2003, and its revenue, expenses and changes in equity for the year then ended on the basis of accounting described in Note 1.

Colby & Company

February 17, 2004

2003 Summary of Audits
Franklin Valley

All parcels in Franklin Valley District reviewed by Satellite maps

PARCEL/OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	Audit	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
500-63-003	8	32	31	NENE	6.10	6.10	S, P	N/A	6.10 ac. planted	N/A
500-63-003	8	32	31	SENE	19.00	19.00	S, P	N/A	19.00 ac. planted	N/A
	8	32	32	SWNE	24.00	24.00	S, P	Owner Notified of Possible Violation	24.00 pasture	N/A
	8	32	32	SWNE	11.00	11.00	S, P	Owner Notified of Possible Violation	11.00 pasture	N/A
	8	32	32	SENE	1.10	1.10	S, P	Owner Notified of Possible Violation	1.10 pasture	N/A
600-25-007	9	32	3	SENE	38.00	38.00	S, P	N/A	38.00 ac. planted	N/A
600-26-005	9	32	3	NESW	1.10	1.10	S, P	N/A	1.10 ac. planted	N/A
	18	21	3	SWSE	15.50	15.50	S, P	Owner Notified of Possible Violation	0.00 supplement filed	N/A
	18	21	3	SESW	9.00	9.00	S, P	Owner Notified of Possible Violation	0.00 supplement filed	N/A
	18	21	10	NWNE	7.50	7.50	S, P	Owner Notified of Possible Violation	0.00 supplement filed	N/A
600-29-001	9	32	4	NWNW	38.20	38.20	S, P	N/A	38.20 ac. planted	N/A
600-29-006	9	32	4	SENE	20.30	20.30	S, P	N/A	20.30 ac. planted	N/A
600-25-005	9	32	3	SENE	19.10	19.10	S, P	N/A	19.10 ac. planted	N/A
	18	21	33	SESE	8.00	8.00	S, P	N/A	8.00 ac. planted	N/A
	18	21	33	SESE	6.20	6.20	S, P	N/A	6.20 ac. planted	N/A
	18	20	17	SWNW	13.25	13.25	S, P	N/A	8.60 ac. planted	N/A
	19	20	18	NWNE	25.25	25.25	S, P	N/A	20.80 ac. planted	N/A
	18	20	18	NENE	12.70	12.00	S, P	N/A	12.00 ac. planted	N/A
	18	21	13	NWNE	10.80	10.80	S, P	N/A	10.80 ac. planted	N/A
	19	21	13	SENE	0.00	0.00	S, P	N/A	0.00 ac. planted	N/A
	19	21	13	NENE	38.40	38.40	S, P	N/A	36.40 ac. planted	N/A
	19	21	2	NWSW	30.10	30.10	S, P	N/A	30.10 ac. planted	N/A
	19	21	2	SWSW	34.10	34.10	S, P	N/A	34.10 ac. planted	N/A
	19	21	2	NESW	15.00	15.00	S, P	N/A	15.00 ac. planted	N/A
	19	21	2	SESW	37.50	37.50	S, P	N/A	37.50 ac. planted	N/A
	18	21	32	SESE	17.00	17.00	S, P	N/A	17.00 ac. planted	N/A
	18	21	32	SENE	27.30	27.30	S, P	N/A	27.30 ac. planted	N/A
	18	21	32	SWNE	8.00	8.00	S, P	N/A	8.00 ac. planted	N/A
	18	21	32	NESW	23.60	23.60	S, P	N/A	23.60 ac. planted	N/A
	18	21	32	NWSE	9.00	9.00	S, P	N/A	9.00 ac. planted	N/A
	18	21	32	SWSW	24.10	24.10	S, P	N/A	24.10 ac. planted	N/A
	18	21	32	SESW	0.00	0.00	S, P	N/A	0.00 ac. planted	N/A
108-050-330	18	21	32	NESE	3.90	3.90	S, P	N/A	3.90 ac. planted	N/A
12325	18	21	32	NESE	7.10	7.10	S, P	N/A	7.10 ac. planted	N/A
12325/14227	18	21	32	SWNE	21.70	21.70	S, P	N/A	21.70 ac. planted	N/A
12325/14227	18	21	32	NWSE	26.40	26.40	S, P	N/A	26.40 ac. planted	N/A
	18	21	32	NESE	12.00	12.00	S, P	N/A	12.00 ac. planted	N/A
	18	21	32	SENE	8.00	8.00	S, P	N/A	8.00 ac. planted	N/A
	18	21	32	S1/2S1/2	20.45	20.45	S, P	N/A	20.45 ac. planted	N/A
	18	21	31	NESE	35.50	35.50	S, P	N/A	26.90 ac. planted	N/A
	18	21	31	SENE	2.90	2.90	S, P	N/A	0.90 ac. planted	N/A
12259	18	21	31	SESE	44.00	44.00	S, P	N/A	44.00 ac. planted	N/A
DECREED ACRES AUDITED:					742.55					
TBI ACRES REPORTED:					6,760.21					
PERCENT AUDITED FOR 2003:					11.0%					
TOTAL PAYBACK & PENALTIES:										N/A

S - Satellite Image
P - Physical audit
WC - Water Card

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**2003 SUMMARY OF AUDITS
GILA VALLEY IRRIGATION DISTRICT**

All Gila Valley Irrigation District reviewed by Satellite maps

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
108-13-008	4	23	18	NESE	34.18	34.18	S,P	N/A	34.18 ac. planted	NA
108-13-008	4	23	18	SESE	19.74	19.74	S,P	N/A	19.74 ac. planted	NA
108-13-008	4	23	18	NWSE	0.00	0.00	S,P	N/A	0.00 ac. planted	NA
108-25-008	4	23	35	NWSE	34.30	0.00	S,P	N/A	0.00 ac. planted	NA
108-25-008	4	23	35	SWSE	27.90	27.40	S,P	N/A	27.40 ac. planted	NA
108-25-008	4	23	35	SESE	3.10	0.00	S,P	N/A	0.00 ac. planted	NA
108-25-008	4	23	35	NWNE	9.10	0.00	S,P	N/A	0.00 ac. planted	NA
108-25-008	4	23	35	SWNE	30.00	0.00	S,P	N/A	0.00 ac. planted	NA
108-25-008	4	23	35	SWNW	18.70	18.70	S,P	N/A	18.70 ac. planted	NA
08-25-003	4	23	35	NWSE	7.69	7.69	S,P	N/A	7.69 ac. planted	NA
109-19-002	5	23	11	NWSE	32.70	32.70	S,P	N/A	32.70 ac. planted	NA
109-40-003	4	30	30	NWSE	3.00	3.00	S,P	N/A	3.00 ac. planted	NA
109-40-003	4	30	30	SWSE	4.20	4.20	S,P	N/A	0.00 supplement	NA
109-37-040	5	24	28	SWSW	39.80	39.80	S,P	Owner Notified of Possible Violation	0.00 supplement	NA
109-37-040	5	24	28	NWSW	17.90	17.90	S,P	Owner Notified of Possible Violation	0.00 supplement	NA
109-37-040	5	24	28	NESW	12.90	12.90	S,P	Owner Notified of Possible Violation	12.90 ac. planted	NA
109-38-002	5	24	28	SESW	0.70	0.70	S,P	N/A	0.70 ac. planted	NA
109-38-004	5	24	28	SESW	1.00	0.00	S,P	N/A	23.90 ac. planted	NA
08-15-006	4	23	20	NWSE	23.90	23.90	S,P	N/A	36.10 ac. planted	NA
08-15-006	4	23	20	SWSE	36.10	36.10	S,P	N/A	29.10 ac. planted	NA
08-15-006	4	23	20	SESE	29.10	29.10	S,P	N/A	0.00 ac. planted	NA
08-15-006	4	23	20	SESE	1.20	0.00	S,P	N/A	14.20 ac. planted	NA
08-20-001	4	23	28	NESW	14.20	14.20	S,P	N/A	33.30 ac. planted	NA
08-20-001	4	23	28	NWSE	33.30	33.30	S,P	N/A	23.00 ac. planted	NA
08-20-001	4	23	28	SWSE	25.20	23.00	S,P	N/A	7.50 ac. planted	NA
08-20-001	4	23	28	SESE	7.50	7.50	S,P	N/A	1.10 ac. planted	NA
08-20-001	4	23	28	SESW	1.10	1.10	S,P	N/A	36.80 ac. planted	NA
108-20-007	4	23	28	NWNW	36.80	36.80	S,P	N/A	0.00 ac. planted	NA
108-20-007	4	23	28	SWNW	0.00	0.00	S,P	N/A	24.90 ac. planted	NA
108-24-002	4	23	34	NWNW	24.90	24.90	S,P	N/A	23.50 ac. planted	NA
108-24-002	4	23	34	NENW	23.50	23.50	S,P	N/A	7.10 ac. planted	NA
108-24-002	4	23	34	SWNW	7.10	7.10	S,P	N/A	17.90 ac. planted	NA
108-24-002	4	23	34	SWNW	17.90	17.90	S,P	N/A	2.70 ac. planted	NA
108-24-002	4	23	34	NESW	2.70	2.70	S,P	N/A	20.60 ac. planted	NA
108-24-002	4	23	34	NWNE	20.60	20.60	S,P	N/A	34.10 ac. planted	NA
108-24-002	4	23	34	SWNE	34.10	34.10	S,P	N/A	17.20 ac. planted	NA
108-24-002	4	23	34	NWSE	17.20	17.20	S,P	N/A	26.70 ac. planted	NA
109-12-006	5	23	2	SENE	26.70	26.70	S,P	N/A	1.12 ac. planted	NA
109-12-006	5	23	2	NENE	1.12	1.12	S,P	N/A		NA

GILA VALLEY IRRIGATION DISTRICT (CONT.)

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
109-12-006	5	23	2	SENE	14.38	14.38	S,P	N/A	14.38 ac. planted	NA
109-12-005	5	23	2	NWNE	35.60	27.80	S,P	N/A	27.80 ac. planted	NA
109-12-008	5	23	2	SESE	37.70	37.70	S,P	N/A	37.70 ac. planted	NA
109-11-003	5	23	1	SESW	39.20	39.20	S,P	N/A	39.20 ac. planted	NA
109-11-003	5	23	1	NESW	3.70	3.70	S,P	N/A	3.70 ac. planted	NA
109-11-003	5	23	1	SWSE	32.50	32.50	S,P	N/A	32.50 ac. planted	NA
109-21-001	5	23	13	NENE	21.00	21.00	S,P	N/A	21.00 ac. planted	NA
109-21-001	5	23	13	SENE	24.60	24.60	S,P	N/A	24.60 ac. planted	NA
109-21-003	5	23	13	NWNE	10.00	9.80	S,P	N/A	9.80 ac. planted	NA
109-21-008	5	23	13	SWNE	38.30	38.30	S,P	N/A	38.30 ac. planted	NA
109-21-011	5	23	13	SESE	11.90	11.90	S,P	N/A	11.90 ac. planted	NA
109-54-009	6	24	3	NENE	3.20	3.00	S,P	Owner Notified of Possible Violation	3.00 ac. planted	NA
109-54-009	6	24	3	NWNE	0.80	0.80	S,P	Owner Notified of Possible Violation	0.80 ac. planted	NA
109-54-003	6	24	3	SWNE	20.85	6.20	S,P	Owner Notified of Possible Violation	6.20 ac. planted	NA
109-54-003	6	24	3	SENE	19.90	18.00	S,P	Owner Notified of Possible Violation	18.00 ac. planted	NA
109-62-006	6	24	11	NENE	23.70	15.00	S,P	Owner Notified of Possible Violation	15.00 ac. planted	NA
109-62-006	6	24	11	NWNE	10.20	0.00	S,P	N/A	0.00 ac. planted	NA
109-63-010	6	24	12	NENE	16.23	16.20	S,P	N/A	16.20 ac. planted	NA
109-63-010	6	24	12	NWNE	32.50	32.30	S,P	N/A	32.30 ac. planted	NA
109-63-010	6	24	12	NENW	35.00	32.60	S,P	N/A	32.60 ac. planted	NA
109-63-010	6	24	12	NWNW	13.70	8.00	S,P	N/A	8.00 ac. planted	NA
109-63-019	6	24	12	SESW	2.80	2.80	S,P	N/A	2.80 ac. planted	NA
109-63-019	6	24	12	SWNE	39.40	39.40	S,P	N/A	39.40 ac. planted	NA
109-63-019	6	24	12	SENE	17.10	17.10	S,P	N/A	17.10 ac. planted	NA
109-63-008	6	24	12	NWNW	16.30	16.30	S,P	N/A	16.30 ac. planted	NA
109-63-002	6	24	12	SENE	17.60	17.60	S,P	N/A	17.60 ac. planted	NA
109-63-001	6	24	12	SENE	1.00	1.00	S,P	N/A	1.00 ac. planted	NA
109-63-010	6	24	12	NWNE	6.60	6.60	S,P	N/A	6.60 ac. planted	NA
109-63-010	6	24	12	NENE	19.30	19.30	S,P	N/A	19.30 ac. planted	NA
05-02-0270	6	25	7	NWNE	7.60	7.23	S,P	N/A	7.23 ac. planted	NA
105-03-017	6	25	7	SESW	20.80	20.00	S,P	N/A	20.00 ac. planted	NA
105-03-014	6	25	7	SESW	13.30	8.80	S,P	N/A	8.80 ac. planted	NA
105-03-001	6	25	7	NENW	27.80	12.60	S,P	N/A	12.60 ac. planted	NA
105-04-005	6	25	7	NWSW	14.80	14.80	S,P	Owner Notified of Possible Violation	14.80 ac. planted	NA
105-04-005	6	25	7	NESW	16.40	13.80	S,P	N/A	13.80 ac. planted	NA

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GILA VALLEY IRRIGATION DISTRICT (CONT.)

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY	
105-04-001	6	25	7	NESW	6.50	4.00	S,P	Owner Notified of Possible Violation	6.50	ac. planted	NA
105-02-009	6	25	7	NWSE	9.50	8.90	S,P	N/A	8.90	ac. planted	NA
105-02-021	6	25	7	NWSE	6.70	6.70	S,P	N/A	6.70	ac. planted	NA
105-02-0270	6	25	7	NWNE	7.60	7.23	S,P	N/A	7.23	ac. planted	NA
105-03-017	6	25	7	SESW	20.80	20.00	S,P	N/A	20.00	ac. planted	NA
105-03-014	6	25	7	SESW	13.30	8.80	S,P	N/A	8.80	ac. planted	NA
105-02-021	6	25	7	NESE	14.40	14.40	S,P	N/A	14.40	ac. planted	NA
105-02-016	6	25	7	NESE	16.80	14.80	S,P	N/A	14.80	ac. planted	NA
09-78-007	6	24	25	NWNW	18.80	0.00	S,P	N/A	0.00	supplement	NA
09-78-007	6	24	25	NWNE	28.30	0.00	S,P	N/A	0.00	supplement	NA
09-78-007	6	24	25	NWNE	12.40	0.00	S,P	N/A	0.00	supplement	NA
09-78-007	6	24	25	SWNW	11.80	0.00	S,P	N/A	0.00	supplement	NA
09-78-007	6	24	25	SESW	12.90	0.00	S,P	N/A	0.00	supplement	NA
09-78-007	6	24	25	SWNE	2.40	0.00	S,P	N/A	0.00	supplement	NA
109-78-004	6	24	25	SWSE	16.94	0.00	S,P	N/A	0.00	supplement	NA
109-78-004	6	24	25	NESE	4.30	0.00	S,P	N/A	0.00	supplement	NA
105-36-008	6	25	30	NWSW	24.00	24.00	S,P	N/A	24.00	ac. planted	NA
105-36-008	6	25	30	SWSW	28.16	11.60	S,P	N/A	11.60	ac. planted	NA
105-56-053	6	25	30	NENW	7.20	6.30	S,P	N/A	6.30	ac. planted	NA
105-36-073	6	25	30	SESW	35.60	14.00	S,P	N/A	14.00	ac. planted	NA
105-36-073	6	25	30	SWNW	10.10	0.00	S,P	N/A	0.00	supplement	NA
102-10-002	7	26	6	NESW	0.00	0.00	S,P	N/A	0.00	ac. planted	NA
102-10-008	7	26	6	SESW	6.00	6.00	S,P	N/A	6.00	ac. planted	NA
102-10-008	7	26	6	SESW	17.10	17.10	S,P	N/A	17.10	ac. planted	NA
102-10-008	7	26	6	SWNW	4.30	0.50	S,P	N/A	0.50	ac. planted	NA
102-11-004	7	26	6	SENE	17.10	17.10	S,P	N/A	17.10	ac. planted	NA
102-11-004	7	26	6	SWNE	2.70	2.70	S,P	N/A	2.70	ac. planted	NA
102-11-013	7	26	6	NWSE	10.80	10.80	S,P	N/A	10.80	ac. planted	NA
102-11-013	7	26	6	NESE	25.00	25.00	S,P	N/A	25.00	ac. planted	NA
102-10-010	7	26	6	NWNW	38.30	16.90	S,P	N/A	16.90	ac. planted	NA
102-10-010	7	26	6	NENW	21.20	21.00	S,P	N/A	21.00	ac. planted	NA
102-10-010	7	26	6	SWNE	0.90	0.20	S,P	N/A	0.20	ac. planted	NA
102-10-010	7	26	6	SESW	2.20	2.00	S,P	N/A	2.00	ac. planted	NA
105-45-072	6	25	33	NWNW	8.40	5.50	S,P	N/A	5.50	ac. planted	NA

GILA VALLEY IRRIGATION DISTRICT (CONT.)

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
05-45-072	6	25	33	NWNW	4.00	3.33	S,P	N/A	3.33 ac. planted	NA
05-45-012	6	25	33	NWNW	18.90	18.90	S,P	N/A	18.90 ac. planted	NA
02-18-063	7	26	7	SWSE	10.98	4.50	S,P	N/A	4.50 ac. planted	NA
02-18-030	7	26	7	SWSE	3.33	2.50	S,P	N/A	2.50 ac. planted	NA
02-15-068	7	26	7	SWSE	26.50	23.40	S,P	N/A	23.40 ac. planted	NA
01-27-132	7	26	18	NWSW	2.78	2.50	S,P	N/A	2.50 ac. planted	NA
01-20-020	7	26	18	SENE	17.45	15.80	S,P	N/A	15.80 ac. planted	NA
01-20-020	7	26	18	SENE	0.59	0.40	S,P	N/A	0.40 ac. planted	NA
01-20-004	7	26	18	SWNW	9.06	9.06	S,P	N/A	9.06 ac. planted	NA
01-21-057	7	26	18	SESW	16.70	16.70	S,P	N/A	16.70 ac. planted	NA
01-27-131	7	26	18	NWSW	8.00	8.00	S,P	N/A	8.00 ac. planted	NA
01-21-009	7	26	18	NWSW	5.74	4.80	S,P	N/A	4.80 ac. planted	NA
01-27-127	7	26	18	NWSW	0.50	0.50	S,P	N/A	0.50 ac. planted	NA
01-21-069	7	26	18	NWSW	4.46	3.50	S,P	N/A	3.50 ac. planted	NA
01-20-025	7	26	18	SWNE	4.22	4.22	S,P	N/A	4.22 ac. planted	NA
01-24-040	7	26	18	NWSE	1.19	1.19	S,P	N/A	1.19 ac. planted	NA
01-24-072	7	26	18	NWSE	2.75	2.75	S,P	N/A	2.75 ac. planted	NA
01-18-024	7	26	18	NWNE	1.61	1.60	S,P	N/A	1.60 ac. planted	NA
01-18-024	7	26	18	NENE	0.60	0.60	S,P	N/A	0.60 ac. planted	NA
01-18-024	7	26	18	NWNE	1.67	1.60	S,P	N/A	1.60 ac. planted	NA
01-18-024	7	26	18	NENE	0.80	0.80	S,P	N/A	0.80 ac. planted	NA
01-20-009	7	26	18	SENE	20.10	18.50	S,P	N/A	18.50 ac. planted	NA
01-12-003	7	26	18	NWSE	0.30	0.15	S,P	N/A	0.15 ac. planted	NA
01-12-004	7	26	18	NWSE	1.70	1.70	S,P	N/A	1.70 ac. planted	NA
01-24-069	7	26	18	NWSW	9.00	9.00	S,P	N/A	9.00 ac. planted	NA
01-24-069	7	26	18	SWSE	2.00	1.50	S,P	N/A	1.50 ac. planted	NA
01-18-018	7	26	18	NWNE	10.40	6.70	S,P	N/A	6.70 ac. planted	NA
01-18-020	7	26	18	NWNE	3.40	1.70	S,P	N/A	1.70 ac. planted	NA
01-16-011	7	26	18	SWNE	13.00	12.20	S,P	N/A	12.20 ac. planted	NA
01-16-011	7	26	18	SENE	4.36	0.00	S,P	N/A	0.00 ac. planted	NA
01-16-023	7	26	18	SWNE	13.03	5.40	S,P	N/A	5.40 ac. planted	NA

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GILA VALLEY IRRIGATION DISTRICT (CONT.)

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECEED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
101-24-028	7	26	18	NWSE	2.00	1.70	S,P	N/A	1.70 ac. planted	NA
101-20-038	7	26	18	NENW	15.30	14.10	S,P	N/A	14.10 ac. planted	NA
101-20-037	7	26	18	NWNW	7.30	7.30	S,P	N/A	7.30 ac. planted	NA
101-21-051	7	26	18	SESW	21.80	21.80	S,P	N/A	21.80 ac. planted	NA
101-21-050	7	26	18	SWSW	20.08	18.00	S,P	N/A	18.00 ac. planted	NA
04-35-140	7	25	13	SENE	3.65	3.65	S,P	N/A	3.65 ac. planted	NA
04-35-140	7	25	13	SENE	0.70	0.70	S,P	N/A	0.70 ac. planted	NA
104-35-113	7	25	13	SENE	1.00	0.60	S,P	N/A	0.60 ac. planted	NA
104-35-138	7	25	13	SENE	4.25	4.25	S,P	N/A	4.25 ac. planted	NA
104-35-079	7	25	13	NWNE	38.80	36.00	S,P	N/A	36.00 ac. planted	NA
104-35-079	7	25	13	NENE	35.90	32.20	S,P	N/A	32.20 ac. planted	NA
104-35-137	7	25	13	SENE	4.80	4.60	S,P	N/A	4.60 ac. planted	NA
04-35-1361	7	25	13	SENE	6.86	2.80	S,P	N/A	2.80 ac. planted	NA
104-35-006	7	25	13	SWNE	15.00	15.00	S,P	N/A	15.00 ac. planted	NA
104-35-006	7	25	13	SENE	9.30	9.30	S,P	N/A	9.30 ac. planted	NA
04-38-006	7	25	13	NWSE	25.90	13.00	S,P	N/A	13.00 ac. planted	NA
04-35-0050	7	25	13	SWNE	6.00	4.60	S,P	N/A	4.60 ac. planted	NA
104-35-082	7	25	13	SWNE	2.00	1.00	S,P	N/A	1.00 ac. planted	NA
103-16-009	7	26	22	SWNW	10.50	9.10	S,P	N/A	9.10 ac. planted	NA
103-16-207	7	26	22	SWNW	24.20	24.20	S,P	N/A	24.20 ac. planted	NA
103-16-018	7	26	22	SWNW	2.70	2.70	S,P	N/A	2.70 ac. planted	NA
03-16-010	7	26	22	SENE	8.00	7.60	S,P	N/A	7.60 ac. planted	NA
03-16-010	7	26	22	SENE	32.80	32.30	S,P	N/A	32.30 ac. planted	NA
103-16-008	7	26	22	NWNW	62.80	33.21	S,P	N/A	33.21 ac. planted	NA
103-16-008	7	26	22	NENW	0.00	16.79	S,P	N/A	16.79 ac. planted	NA
03-17-014	7	26	23	NWSW	4.50	4.50	S,P	N/A	4.50 ac. planted	NA
03-17-014	7	26	23	NESW	23.90	23.90	S,P	N/A	23.90 ac. planted	NA
103-17-029	7	26	23	SWNE	2.30	2.30	S,P	N/A	2.30 ac. planted	NA
103-17-029	7	26	23	NWSE	27.30	27.30	S,P	N/A	27.30 ac. planted	NA
103-17-029	7	26	23	NESW	0.00	0.00	S,P	N/A	0.00 ac. planted	NA
103-17-030	7	26	23	NWSE	8.40	0.00	S,P	N/A	0.00 supplement	NA
103-17-030	7	26	23	SWSE	37.00	0.00	S,P	N/A	0.00 supplement	NA

GILA VALLEY IRRIGATION DISTRICT (CONT.)

PARCEL/OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECEED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
03-17-009	7	26	23	SWSW	37.90	37.90	S,P	N/A	37.90 ac. planted	NA
03-17-009	7	26	23	SESW	38.00	38.00	S,P	N/A	38.00 ac. planted	NA
03-17-003	7	26	23	SENE	9.50	9.50	S,P	N/A	9.50 ac. planted	NA
03-17-003	7	26	23	NESE	36.30	36.30	S,P	N/A	36.30 ac. planted	NA
03-17-003	7	26	23	SESE	32.30	32.30	S,P	N/A	32.30 ac. planted	NA
03-17-013	7	26	23	NWSW	21.80	21.80	S,P	N/A	21.80 ac. planted	NA
03-17-013	7	26	23	NESW	2.00	2.00	S,P	N/A	2.00 ac. planted	NA
07-44-002	7	27	16	NENW	7.20	7.20	S,P	N/A	7.20 ac. planted	NA
07-44-003	7	27	16	NWNW	0.20	0.20	S,P	N/A	0.20 ac. planted	NA
07-44-003	7	27	16	NENW	19.30	19.30	S,P	N/A	19.30 ac. planted	NA
07-44-003	7	27	16	SENE	1.11	1.11	S,P	N/A	1.11 ac. planted	NA
07-44-004	7	27	16	NWNW	10.50	10.50	S,P	N/A	10.50 ac. planted	NA
07-44-004	7	27	16	NWNW	1.90	1.90	S,P	N/A	1.90 ac. planted	NA
07-44-004	7	27	16	SENE	15.00	15.00	S,P	N/A	15.00 ac. planted	NA
07-44-004	7	27	16	NWNW	2.40	2.40	S,P	N/A	2.40 ac. planted	NA
07-44-004	7	27	16	SENE	13.40	13.40	S,P	N/A	13.40 ac. planted	NA
07-44-004	7	27	16	NWNW	37.30	37.30	S,P	N/A	37.30 ac. planted	NA
07-47-003	7	27	17	NWSE	3.90	3.90	S,P	N/A	3.90 ac. planted	NA
07-44-004	7	27	16	NWNW	3.90	3.90	S,P	N/A	3.90 ac. planted	NA
07-44-015	7	27	16	NWNW	3.70	3.70	S,P	N/A	3.70 ac. planted	NA
07-44-004	7	27	16	NENW	6.80	6.80	S,P	N/A	6.80 ac. planted	NA
07-44-015	7	27	16	NENW	5.38	5.38	S,P	N/A	5.38 ac. planted	NA
07-44-004	7	27	16	SENE	9.41	9.41	S,P	N/A	9.41 ac. planted	NA
07-44-004	7	27	16	NWNW	1.70	1.70	S,P	N/A	1.70 ac. planted	NA
07-44-006	7	27	16	SWNW	22.60	22.60	S,P	N/A	22.60 ac. planted	NA
07-44-006	7	27	16	NESW	3.20	3.20	S,P	N/A	3.20 ac. planted	NA
07-44-006	7	27	16	NESW	6.80	6.80	S,P	N/A	6.80 ac. planted	NA

DECEED ACRES AUDITED:	2804.45
TBI ACRES REPORTED:	27,519.30
PERCENT AUDITED IN 2003:	10.2%

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S - Satellite Image
P - Physical audit
WC - Water Card

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2003 SUMMARY OF AUDITS

SAN CARLOS IRRIGATION & DRAINAGE DISTRICT

All parcels in San Carlos Irrigation District reviewed by Satellite maps

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
763-31	7	6	3		80.00	40.00	S,WC	Owner Notified of Possible Violation	40.00 ac. planted	NA
764-34	7	6	4		209.27	140.00	S,WC	Owner Notified of Possible Violation	140.00 ac. planted	NA
6525-4	6	5	25		160.00	20.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6536-4	6	5	36		157.20	40.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6536-14	6	5	36		40.00	35.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6536-41	6	5	36		80.00	80.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6633-23	6	6	33		160.00	50.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6712-3	6	7	12		160.00	70.00	S,WC	Owner Notified of Possible Violation	70.00 ac. planted	NA
6720-34	6	7	20		160.00	151.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6726-2	6	7	26		160.00	146.13	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6729-12	6	7	29		80.00	75.29	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6813-43	6	8	13		90.00	76.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement filed	NA
6820-33	6	8	20		11.37	10.37	S,WC	Owner Notified of Possible Violation	10.37 ac. planted	NA
6830-2	6	8	30		247.54	70.00	S,WC	Owner Notified of Possible Violation	70.00 ac. planted	NA
588-3	5	8	8		160.01	25.00	S,WC,PA	Owner Notified of Possible Violation	25.00 ac. supplement filed	NA
598-14	5	8	8		160.00	23.80	S,WC,PA	Owner Notified of Possible Violation	23.80 ac. supplement filed	NA
5814-22	5	8	14		80.00	20.00	S,WC	Owner Notified of Possible Violation	20.00 ac. supplement filed	NA
5815-4	5	8	15		160.00	16.00	S,WC	Owner Notified of Possible Violation	16.00 ac. planted	NA
5815-333	5	8	15		35.06	20.00	S,WC	Owner Notified of Possible Violation	20.00 ac. planted	NA
5821-41	5	8	21		57.69	37.50	S,WC	Owner Notified of Possible Violation	37.50 ac. planted	NA
5821-42	5	8	21		59.69	50.00	S,WC	Owner Notified of Possible Violation	50.00 ac. planted	NA
5821-443	5	8	21		11.77	6.00	S,WC	Owner Notified of Possible Violation	6.00 ac. planted	NA

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SAN CARLOS IRRIGATION & DRAINAGE DISTRICT (Cont.)

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
5823-13	5	8	23		20.00	18.50	S,WC	Owner Notified of Possible Violation	18.50 ac. planted	NA
5823-1	5	8	23		320.00	108.00	S,WC	Owner Notified of Possible Violation	108.00 ac. planted	NA
5823-12	5	8	23		40.00	30.00	S,WC	Owner Notified of Possible Violation	30.00 ac. planted	NA
5828-4	5	8	26		160.00	100.00	S,WC	Owner Notified of Possible Violation	100.00 ac. planted	NA
5827-14	5	8	27		128.72	18.00	S,WC	Owner Notified of Possible Violation	18.00 ac. planted	NA
5827-144	5	8	27		35.00	30.00	S,WC	Owner Notified of Possible Violation	30.00 ac. planted	NA
5835-43	5	8	35		40.00	35.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement	NA
5920-11	5	9	20		10.20	9.80	S,WC	Owner Notified of Possible Violation	9.80 ac. planted	NA
5920-12	5	9	20		35.85	25.00	S,WC	Owner Notified of Possible Violation	25.00 ac. planted	NA
5928-22	5	9	28		48.63	35.00	S,WC	Owner Notified of Possible Violation	35.00 ac. planted	NA
5931-1	5	9	31		160.00	20.00	S,WC	Owner Notified of Possible Violation	20.00 ac. planted	NA
5931-3	5	9	31		160.00	80.00	S,WC	Owner Notified of Possible Violation	0.00 ac. supplement	NA
41021-21	4	10	21		255.00	242.00	S,WC,PA	Owner Notified of Possible Violation	242.00 ac. supplement	NA
41029-4	4	10	29		288.18	280.00	S,WC,PA	Owner Notified of Possible Violation	280.00 ac. supplement	NA
41030-4	4	10	30		315.00	305.00	S,WC,PA	Owner Notified of Possible Violation	305.00 ac. planted	NA
41031-41	4	10	31		90.24	70.00	S,WC,PA	Owner Notified of Possible Violation	70.00 ac. planted	NA
41031-1	4	10	31		160.00	155.00	S,WC,PA	Owner Notified of Possible Violation	0.00 ac. supplement	NA
41031-34	4	10	31		67.47	55.00	S,WC,PA	Owner Notified of Possible Violation	0.00 ac. supplement	NA
41031-32	4	10	31		40.00	36.00	S,PA	N/A	36.00 ac. planted	NA
41031-21	4	10	31		141.54	138.00	S,PA	N/A	138.00 ac. planted	NA
41031-41	4	10	31		90.24	70.00	S,PA	N/A	70.00 ac. planted	NA
41031-333	4	10	31		10.00	6.00	S,WC,PA	Owner Notified of Possible Violation	0.00 ac. supplement	NA
41015-11	4	10	15		90.00	75.00	S,PA	N/A	75.00 ac. planted	NA
41011-3333	4	10	11		10.00	9.50	S,PA	N/A	9.50 ac. planted	NA

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SAN CARLOS IRRIGATION & DRAINAGE DISTRICT (Cont.)

PARCEL/ OWNER NO.	TWP	RNG	SEC	1/4-1/4	DECREED	TBI	AUDIT	RESULTS OF INFORMAL RESOLUTION	RESULTS OF AUDIT	PAYBACK & PENALTY
41020-2	4	10	20		101.48	85.00	S,PA	N/A	85.00 ac. planted	NA
41020-4	4	10	20		119.99	115.00	S,PA	N/A	115.00 ac. planted	NA
41020-3	4	10	20		70.00	69.00	S,PA	N/A	69.00 ac. planted	NA
41029-2	4	10	20		160.00	120.00	S,PA	N/A	120.00 ac. planted	NA
41029-33	4	10	29		70.00	0.00	S,PA	N/A	0.00 ac. planted	NA
41030-1	4	10	30		120.00	118.00	S,PA	N/A	118.00 ac. planted	NA
4925-33	4	9	25		33.53	18.00	S,PA	N/A	18.00 ac. planted	NA
4938-214	4	9	36		45.62	18.00	S,PA	N/A	18.00 ac. planted	NA
4936-22	4	9	36		93.15	65.00	S,PA	N/A	65.00 ac. planted	NA
4929-34	4	9	29		85.00	74.60	S,PA	N/A	74.60 ac. planted	NA
587-41	5	8	7		240.00	220.00	S,PA	N/A	220.00 ac. planted	NA
587-32	5	8	7		239.92	80.00	S,PA	N/A	80.00 ac. planted	NA
588-42	5	8	8		49.00	0.00	S,PA	N/A	0.00 ac. planted	NA
5825-2	5	8	25		160.00	30.00	S,PA	N/A	30.00 ac. planted	NA
5825-3	5	8	25		157.98	23.00	S,PA	N/A	23.00 ac. planted	NA
5826-31	5	8	26		80.00	31.00	S,PA	N/A	31.00 ac. planted	NA
5826-1133	5	8	26		20.00	15.00	S,PA	N/A	15.00 ac. planted	NA
5826-14	5	8	26		38.72	35.00	S,PA	N/A	35.00 ac. planted	NA
5826-24	5	8	26		204.00	70.50	S,PA	N/A	70.50 ac. planted	NA
5828-12	5	8	28		72.84	20.00	S,PA	N/A	20.00 ac. planted	NA
5834-1	5	8	34		152.35	138.00	S,PA	N/A	138.00 ac. planted	NA
5836-13	5	8	36		160.00	103.00	S,PA	N/A	103.00 ac. planted	NA
5836-34	5	8	36		160.00	105.00	S,PA	N/A	105.00 ac. planted	NA
5836-44	5	8	36		80.00	67.00	S,PA	N/A	67.00 ac. planted	NA
DECREED ACRES AUDITED:					7,949.25					
TBI ACRES REPORTED:					22,486.42					
PERCENT AUDITED FOR 2001:					35.4%					
TOTAL PAYBACK & PENALTIES:										

S - Satellite Image
P - Physical audit
WC- Water Card

2003 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	not registered	NA	NA
4S	14E	36	47.80	0.00	not registered	NA	NA
DECREED ACRES AUDITED:				214.87			
TBI ACRES REPORTED:				0.00			
PERCENT AUDITED IN 2003:				0.0%			

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2003 SUMMARY OF AUDITS

SAN CARLOS APACHE TRIBE

All parcels in San Carlos Apache Tribe Area reviewed by Satellite maps

LOCATION	DECREED	TBI	AUDIT	RESULTS OF AUDIT	PAYBACK & PENALTY
BLACK POINT	73.40	73.40	S,P	73.40 ac. planted	NA
NAVAJO POINT	152.50	111.10	S,P	111.10 supplement filed	NA
ANDERSON FLAT	85.50	85.50	S,P	85.50 ac. planted	NA
DECREED ACRES AUDITED:				TOTAL PAYBACK & PENALTIES:	
TBI ACRES REPORTED:				NA	
PERCENT AUDITED IN 2003:				NA	
				86.7%	

S - Satellite Image
P - Physical audit
WC - Water Card

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2003 SUMMARY OF AUDITS

GILA RIVER INDIAN COMMUNITY
 All parcels in the Gila River Indian Community District reviewed by Satellite maps

TWP	RNG	SEC	DECREED ACRES	TBI ACRES	AUDIT	RESULTS OF INFORMAL RESOLUTION	PAYBACK & PENALTY	
4	7	19	480.00	5.00	S, PA	N/A	NA	
4	7	36	599.06	207.59	S, PA	N/A	NA	
4	7	35	500.00	249.95	S, PA	N/A	NA	
DECREED ACRES AUDITED: 1,579.06							TOTAL PAYBACK & PENALTIES:	NA
TBI ACRES REPORTED: 17,483.39								
PERCENT AUDITED IN 2003: 9.0%								

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CALENDAR YEAR 2003

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	2,481.52	4,183	1.69
New Model	2,717.55	2,257.69	2,500	1.11
Valley	1,387.20	1,021.00	1,655	1.62
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	5,760.21	8,338	1.45

Water issued for 5,760.21 T.B.I. acres on 12/01/03. 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	1,028.23	1,647	1.60
Fourness	210.70	189.60	339	1.79
San Jose	4,150.03	3,645.36	6,837	1.88
Montezuma	4,835.96	3,876.28	7,424	1.92
Union	7,371.96	5,867.42	9,226	1.57
Graham	4,217.68	3,689.33	3,705	1.00
Smithville	2,549.33	2,315.34	3,593	1.55
Dodge-Nevada	2,516.54	2,357.54	3,289	1.40
Curtis	1,971.70	1,699.75	3,624	2.13
Fort Thomas	3,155.70	2,813.45	4,273	1.52
Colvin-Jones	205.90	0	0	0.00
Totals	32,512.40	27,519.30	43,957	1.60

Water issued for 27,519.30 T.B.I. acres on 12/01/03. 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	73.40	73.40	9	.12
Bylas (Navajo Point)	152.20	111.10	523	4.71
Anderson Flat	85.80	85.50	412	4.82
Non-designated lands	688.60	0	0	0.00
Totals	1,000.00	270.00	944	3.50

Water issued for 270.00 T.B.I. acres on 12/01/03. 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	12,361	
Domestic/Municipal (Kearny, Arizona)	101.73	101.73	354	3.47
Farmlands	244.16	0	0	
J J Anderson	196.27	0	0	
Totals	1,335.16	894.73	12,715	

Water issued for 894.73 T. B. I. Acres on 12/01/02. 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>Nat. flow Stored</u>	<u>Decreed Duty a-f/a</u>	<u>TBI Duty a-f/a</u>
Indian lands (Allotted/Tribal)	50,000	17,483.39	25,209	0.50	1.44
Federal Agencies	546	0	1,753	0.03	0.10
	<u>50,546</u>	<u>17,483.39</u>	<u>26,962</u>	<u>0.53</u>	<u>1.54</u>
White Lands					
San Carlos Irrigation & Drainage Dist	50,000	22,078.22	15,745	0.31	0.71
			1,314	0.03	0.06
	<u>50,000</u>	<u>22,078.22</u>	<u>17,059</u>	<u>0.34</u>	<u>0.77</u>
Natural Flow Lands	1,544.5	408.00	320	0.21	0.78
	<u>51,544.5</u>	<u>22,486.22</u>	<u>17,379</u>	<u>0.34</u>	<u>0.77</u>
Totals	102,090.5	39,969.61	44,341	0.43	1.11
	<u>102,090.5</u>	<u>39,969.61</u>	<u>41,274</u>	<u>0.40</u>	<u>1.03</u>
	<u>100,546</u>	<u>39,561.61</u>	<u>3,067</u>	<u>0.03</u>	<u>0.08</u>

Water issued 39,969.61 T.B.I. acres on 12/01/03. 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)

1936-2003

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	Maximum Stored Water	Gila Below Coolidge Dam	Gila Winkelman	ASARCO Divs.	J. J. And. Divs.	Town of Kearny Divs.	Gila Kelvin	A-H Divs.	A-H Spilled Sluiced	A-H Total	Loss Kelvin to A-H	Sacaton Divs.	
1936	90	39	76	96	*217	14	132	51		150	45	193	237	#				308	244	#	#	#	4.6	
1937	206	40	180	181	*419	3	161	80		321	48	269	298	#				375	302	24	327	49	2.5	
1938	87	23	78	71	*164	5	98	22		94	15	90	152	#				193	156	9	166	27	1.5	
1939	94	34	87	70	*172	6	79	16		115	19	30	123	#				176	134	22	158	20	1.3	
1940	146	40	131	124	*303	11	100	7		220	52	113	143	#				268	155	49	204	65	2.5	
1941	435	34	407	382	918	13	151	120		900	172	775	240	#				458	295	125	420	38	1.4	
1942	111	38	99	101	222	8	172	83		141	21	819	373	374				398	372	12	384	11	0.2	
1943	71	32	69	57	151	15	122	49		93	29	563	357	380				418	357	34	391	27	0.7	
1944	80	27	74	54	151	17	128	56		97	13	284	294	303				339	287	17	304	35	0.8	
1945	109	28	101	90	220	11	149	36		118	18	124	193	196				241	200	19	219	22	0.8	
1946	53	14	49	52	116	3	70	5		54	16	28	62	71				103	84	8	92	11	0.8	
1947	45	10	#	41	100	4	52	-13		39	11	19	55	59				82	69	7	76	6	0.5	
1949	86	9	#	89	148	5	40	-33		80	10	15	65	61				87	71	6	77	10	0.1	
1949	303	25	299	255	589	15	168	-4		411	22	260	277	275				317	260	24	284	33	0.1	
1950	49	13	40	34	87	6	69	5		30	6	94	123	123				156	116	11	127	28	0.1	
1951	33	3	32	38	78	7	26	-18		42	17	8	41	53				78	47	10	56	19	0.1	
1952	140	20	100	185	324	5	129	-11		189	73	164	228	237				270	226	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	-16		122	43	74	103	127				222	121	97	217	5	1.0	
1955	67	13	87	73	170	27	98	22		132	27	109	94	107				226	113	118	231	+5	0.2	
1956	24	8	18	28	49	1	43	0		7	12	78	79	79				89	75	2	76	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	52	228	243	252				315	264	25	289	26	0.0	
1959	74	11	66	92	179	10	80	-7		102	31	112	135	149				207	154	31	184	22	0.0	
1960	138	15	110	143	285	2	111	-13		183	33	223	252	259				290	241	26	267	23	0.0	
1961	73	8	56	98	159	20	38	-34		110	21	70	41	60				88	61	8	89	19	0.0	
1962	211	21	173	208	410	4	135	-37		242	22	169	228	237				253	220	7	227	25	0.0	
1963	130	20	108	138	273	3	101	-8		187	31	132	167	178				226	186	19	205	21	0.0	
1964	89	12	54	69	142	10	70	-4		78	11	66	91	97				157	120	19	139	18	0.0	
1965	181	18	137	222	395	8	93	-51		280	110	253	117	134				240	137	163	300	+60	0.0	
1966	209	23	181	205	433	4	133	68		371	21	504	251	283				348	298	29	328	22	0.0	
1967	115	18	107	158	259	12	90	10		190	38	324	249	273				380	260	88	348	31	0.0	
1968	314	26	277	309	656	4	152	23		531	38	679	282	294				345	316	15	331	14	0.0	
1969	62	15	50	65	122	3	99	20		58	15	487	315	312				341	306	2	308	33	0.0	
1970	53	15	44	57	110	3	96	13		30	14	199	222	231				281	224	9	234	28	0.0	
1971	69	5	74	97	181	10	39	-21		131	35	120	38	53				97	70	3	73	24	0.0	
1972	255	12	218	254	506	14	67	8		462	43	379	172	180				219	176	119	284	+75	0.0	
1973	314	20	292	339	671	1	125	27		575	63	843	298	312				373	324	30	355	19	0.0	
1974	59	13	58	48	115	5	90	8		48	11	616	381	354				387	351	11	362	34	0.0	
1975	220	18	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	94	0.2		56	9	119	195	192				185	161	6	187	9	0.0	
1977	66	9	49	52	132	6	31	-43		63	14	21	50	58				99	61	34	85	4	0.0	
1978	330	13	298	352	849	4	75	-124		853	165	545	217	283				425	262	144	406	19	0.0	
1979	287	16	293	337	750	2	106	19		865	82	1070	407	503				641	422	77*	498*	145	0.0	
1980	135	23	116	211	445	1	122	10		334	129	1090	526	□				670	477	134*	611*	59	0.0	
1981	62	18	85	58	150	8	110	16		83	14	668	471					523	456	15	471	52	0.0	
1982	131	24	108	104	270	□	118	^		158	59	278	280					316	289	12	302	15	0.0	
1983	374	22	353	601	1149	^	127	^		1164	154	968	458					748	273	546	819	+71	0.0	
1984	198	24	182	224	480	135	^	^		418	77	921	397					562	398	164	562	+0.3	0.0	
1985	370	21	334	294	740	134	^	^		728	51	975	778	805				879	458	382	840	39	0.0	
1986	168	24	155	138	324	143	^	^		289	62	905	395	422				464	412	30	442	22	0.0	
1987	121	26	113	174	334	138	^	^		263	32	792	439	446				465	427	1	429	37	0.0	
1988	257	23	220	190	445	138	^	^		391	30	587	431	440				484	420	8	429	35	0.0	
1989	68	18	^	62	120	94	^	^		43	14	458	395	384				423	379	3	383	40	0.0	
1990	78	10	^	82	170	68	^	^		58	58	81	44	52				95	58	18	74	22	0.0	
1991	340	20	291	681	126	^	^	^		749	87	511	276	304				363	297	48	345	19	0.0	
1992	377	20	330	801	124	^	^	^		1027	98	740	550	819				646	401	205	606	40	0.0	
1993	518	22	572	1558	119	^	^	^		1695	298	1060	1662	2203				2374	391	1825	2316	58	0.0	
1994	230	23	157	345	108	^	^	^		357	26	541	377	£				489	401	12	413	76	0.0	
1995	282	22	208	506	109	^	^	0.1		569	106	879	427			13	0.5	0.4	620	423	120	543	62	0.0
1996	117	18	77	184	95	^	^	0.2		109	14	522	439			14	0.5	0.4	485	426	5	437	33	0.0
1997	210	22	192	103	316	213	^	0.2		210	21	211	268			12	0.5	0.4	288	258	1	258	28	0.0
1998	184	24	187	153	340	126	^	0.1		276	38	271	297			11	0.3	0.4	345	312	9	321	24	0.0
1999	81	23	80	105	205	105	^	0.6		128	12	106				12	0.5	0.4	125	107	1	108	17	0.0
2000	112	9	103	185	347	49	^	0.9		274	17	239	75			11	0.3	0.4	111	83	26	109	2	0.0
2001	94	22	89	95	182	114	^	0.8		100	8	268	249			13	0.0	0.4	256	241	1	243	13	0.0
2002	60	14	47	51	101	61	^	0.8		42	4	72	53			13	0.0	0.4	51	43	0.3	43	8	0.0
2003	52	8	45	60	121	44	^	0.9		51	24	43	58			12	0.0	0.4	67	57	1.0	58	9	0.0

* Gila below Bonita

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.

SAN CARLOS APACHE TRIBE FARM REPORT

2003

Black Point

The annual farm report by the GWC is pursuant to the Courts Water Quality Injunction filed on June 3 1999
 All data reported is supplied by the San Carlos Apache Tribe unless shown otherwise

Month	Field No	Crop	Date Planted	Acres Planted (Tb)	Source of Water Applied					Water Quality (u8/cm)	Combine d River & Wells	Use of Crop	Crop Yield (tons/ac)	Comments or Unusual Problems	Date	Water Quality (u8/cm)		
					Dates Irrigated (From-To)	Gila River Diversions (ac-ft)	Water Quality (u8/cm)	Tribe's Wells (ac-ft)	Water Quality (u8/cm)									
Jan	1021W	AI		13.1														
	1021E	AI		25.1														
	1022W	Oats		14.1	8.60					8.60				Ditch in need of repair problems with pump	Jan 23	3.85		
Feb	1022E	Oats		21.1														
	1021W	AI		13.1														
	1021E	AI		25.1														
Mar	1022W	Oats		14.1														
	1022E	Oats		21.1														
	1021W	AI		13.1														
Apr	1021E	AI		25.1														
	1022W	Oats		14.1														
	1022E	Oats		21.1														
May	1021W	AI		13.1														
	1021E	AI		25.1														
	1022W	Oats		14.1														
June	1022E	Oats		21.1														
	1021W	AI		13.1														
	1021E	AI		25.1														
July	1022W	Oats		14.1														
	1022E	Oats		21.1														
	1021W	AI		13.1														
Aug	1021E	AI		25.1														
	1022W	Oats		14.1														
	1022E	Oats		21.1														
Sept	1021W	AI		13.1														
	1021E	AI		25.1														
	1022W	Oats		14.1														
Oct	1022E	Oats		21.1														
	1021W	AI		13.1														
	1021E	AI		25.1														
Nov	1022W	Oats		14.1														
	1022E	Oats		21.1														
	1021W	AI		13.1														
Dec	1021E	AI		25.1														
	1022W	Oats		14.1														
	1022E	Oats		21.1														
Totals for Black Point													8.60	222.75	231.35			
Duty for Black Point (ac/ft/ac)																		

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SAN CARLOS APACHE TRIBE FARM REPORT
2003

Navajo Point
This annual report by the OWC is pursuant to the Courts Water Quality Judgment filed on June 3 1996
All data reported is supplied by the San Carlos Apache Tribe unless shown otherwise

Month	Field No	Crop	Date Planted	Acres Planted (TBI)	Dates Irrigated (From-To)	Source of Water Applied				Use of Crop	Crop Yield (tons/ac)	Comments or Unusual Problems	Data By GWC		
						Gila River Diversions (cfs)	Water Quality (us/cfs)	Trinal Water (ac-ft)	Water Quality (us/cfs)				Date	Water Quality (us/cm)	
Jan	1041	Oats	41.40				1.88	4850	1.88						
	1043	Oats	23.60		Jan 30 - 31										
	1044	Oats	12.90												
	1045	Alfalfa	39.70												
Feb	1041	Oats	41.40												
	1043	Oats	23.60		Feb 08 - 08 Feb 18 - 21		2.70	4800	2.70		Oats will be ready for cutting by April				
	1044	Oats	12.90				4.12	4850	4.12						
	1045	Alfalfa	39.70				0.17		0.17						
Mar	1041	Oats	41.40												
	1043	Oats	23.60		Mar 12 - 19		5.40		12.19		Rock in meter removed		1640	950	
	1044	Oats	12.90								Diaked field				
	1045	Alfalfa	39.70		Mar 05 - 11 Mar 24 - 28		22.83	1490	13.29		Ditch needs repairs		1690	1690	
Apr	1041	Oats	41.40												
	1043	Oats	23.60		Apr 06 - 12 Apr 14 - 19 Apr 23 - 30		9.9	1660	15.5		Oats look good over knee high Will cut and bale in May & June		1660	1690	
	1044	Oats	12.90				20.8	1570	20.8		Will plant sudan in May				
	1045	Alfalfa	39.70				25.10	1380	25.1						
May	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Alfalfa	39.70		May 1 - 31		97.29	1549-3419	97.29						
June	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Sudan	39.7		Jun 01 - 04 Jun 15 - 30 Jun 05 - 14		10.43	3310-3959	10.43						
July	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Sudan	39.70		July 01 - 02 July 14 - 31 July 03 - 13		8.38	4420-4894	8.38						
Aug	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Sudan	39.70		Aug 01 - 05 Aug 09 - 18 Aug 18 - 28		31.77	1738-5251	31.77						
Sept	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Sudan	39.70		Sept 04 - 08 Sept 15 - 30		21.81	3807-4756	21.81						
Oct	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Sudan	39.70												
Nov	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Sudan	39.70												
Dec	1041	Oats	41.40												
	1043	Oats	23.60												
	1044	Oats	12.90												
	1045	Sudan	39.70												
Totals for Navajo Point											520.13	24.32	544.45		
Duty for Black Point (ac-ft/ao)															
											110.80	4.69			

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2003

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	7.8	7.8					47.3	47.3		59.8	58.5	3.3	5.8	5.8		8.9	8.9	8.9
2	7.6	7.6					50.6	50.6		58.7	58.1	2.6	1.7		1.7	8.7	8.7	8.7
3	8.9	8.9					50.6	50.6		58.3	55.9	2.4				7.9	7.9	7.9
4	8.8	8.8					51.1	51.1		55.0	38.7	18.3						
5	8.6	8.6					52.6	52.6		52.6	28.2	23.4				1.1		1.1
6	5.3	5.3					52.3	52.3		48.3	28.4	18.9				5.7	5.7	
7	5.4	5.4					49.1	49.1		48.8	25.7	21.1				5.8	5.8	
8	3.4	3.4					48.2	48.2		42.8	25.4	17.2				5.2	5.2	
9							48.4	48.4		34.8	34.8					5.7	5.7	
10							45.7	45.7		18.8	11.7	6.9				5.5	5.5	
11	7.0	7.0					47.7	47.7		8.5	8.5					4.8		4.8
12	8.6	8.6					48.2	48.2		6.5	6.5					4.9		4.9
13	8.6	8.6					47.6	47.6		6.0	5.7	0.3				3.8		3.8
14	8.8	8.8		2.0	2.0		48.4	48.4		5.7	5.7					4.4		4.4
15	8.6	8.6		15.2	15.2		48.4	48.4		5.5	5.5					4.4		4.4
16	8.6	8.6		17.8	17.8		45.8	45.8		5.7	5.7					4.8		4.8
17	8.8	8.8		1.9	1.9		45.9	45.9		5.8	5.8					5.2		5.2
18	8.8	8.8					50.1	50.1		12.3	9.5	2.8				6.0		6.0
19	8.6	8.6					52.3	52.3		5.9	5.9					5.9		5.9
20	8.4	8.4					53.0	53.0		11.9	11.9					5.8		5.8
21	14.4	14.4					54.4	54.4		12.1	11.9	0.2				5.4		5.4
22	19.5	19.5					55.3	55.3		8.0	5.7	2.3				5.3		5.3
23	19.5	19.5					55.4	55.4		5.8	5.7	0.1	7.2			4.6		4.6
24	19.5	19.5					54.8	54.8		6.0	5.7	0.3	11.9		7.2	3.1		3.1
25	10.3	10.3					56.3	56.3		5.9	5.7	0.2	11.3		11.3	3.4		3.4
26	6.1	6.1					56.8	56.8		5.8	5.7	0.1	10.1		10.1	3.5		3.5
27	2.9	2.9		18.9	18.9		57.5	57.5		5.9	5.7	0.2	8.7		8.7	2.9		2.9
28				38.8	38.8		57.4	57.4		8.0	8.0		9.3		9.3	2.8		2.8
29							58.2	54.3	3.9	5.9			10.0		10.0	4.8		4.8
30							58.3	54.2	4.1	5.8			9.5		9.5	6.5		6.5
31							58.4	54.0	4.4				9.8		9.8			
Total	233.0	233.0		94.6	94.6		1596.1	1585.7	12.4	814.5	475.2	139.3	96.3		96.3	145.8	27.7	118.1
Acre-feet			482			188			3170			1219			191			290
Priority Diverted			482			188			3145			943						55
Apport Diverted									25			276			191			235
Appor diverted to date									25			301			492			727
TBI Acreage		5017.31			5187.08			5378.54			5587.54			5738.34			5738.34	
Apportioned								1022			1281			1320			1320	
Duty		0.09			0.03			0.58			0.19			0.01			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	5.5		5.5				21.0		21.0				8.7		8.7	25.2		25.2	
2	4.7		4.7				2.5		2.5				9.7		9.7	21.7	11.9	9.8	
3	3.5		3.5				0.2		0.2	3.7		3.7	9.8		9.8	20.5		20.5	
4	4.9		4.9							7.8		7.8	10.8		10.8	28.4		28.4	
5	2.4		2.4							8.6		8.6	12.8		12.8	28.1		28.1	
6										8.4		8.4	13.1	1.7	11.4	28.5		28.5	
7										8.4		8.4	13.7	3.1	10.6	19.4		12.3	7.1
8										8.4		8.4	13.8	0.1	13.7	14.5		11.9	2.6
9										7.1		7.1	13.8		13.8	13.4		5.7	7.7
10										9.4		9.4	13.4		13.4	2.1		2.1	
11							2.5		2.5	12.3		12.3	14.5		13.7	0.8			
12							5.8		5.8	13.3		13.3	15.9		15.9				
13							1.9		1.9	12.0		12.0	18.3		18.3				
14							0.2		0.2	12.0		12.0	28.5		28.5				
15							0.1		0.1	12.0		12.0	34.3		34.3				
16										12.1		12.1	37.0		37.0				
17										12.1		12.1	38.6		38.6				
18										12.0		12.0	38.9		38.9				
19										8.3		8.3	38.7		38.7				
20													38.8		38.8				
21													38.6		38.6				
22													40.0		40.0	1.3	1.3		
23													38.0		38.0	1.1	0.4		0.7
24													40.4		40.4	5.3	5.3		
25													40.4		40.4	14.4	14.4		
26													37.4		37.4	13.5	11.4		2.1
27										20.3	10.9	9.4	27.4		27.4	12.8	12.8		
28										28.8	21.9	6.7	30.8		30.8	13.9	13.9		
29				5.8		5.8				20.1	13.3	6.8	25.9		25.9	13.6	13.6		
30				20.4		14.7				13.0	12.3	0.7	21.7		21.7	16.7	16.7		
31				21.8		21.8				11.9	11.9					19.2	19.2		
Total	21.0		21.0	48.0	5.7	42.3	34.2	2.5	31.7	253.8	70.3	183.5	755.7	750.0	5.7	307.6	275.5	32.1	
Acre-feet			42			95			68			504			1499			8338	
Priority Diverted						11			5			139			1488			6983	
Apport Diverted			42			83			63			365			11			84	
Appor diverted to date						852			915			1280			1291			1355	
TBI Acreage		5739.34			5780.21			5780.21			5780.21			5780.21			5780.21		5780.21
Apportioned						1320			1325			1325			1325			1325	
Duty			0.01			0.01			0.01			0.08			0.28			0.11	1.45

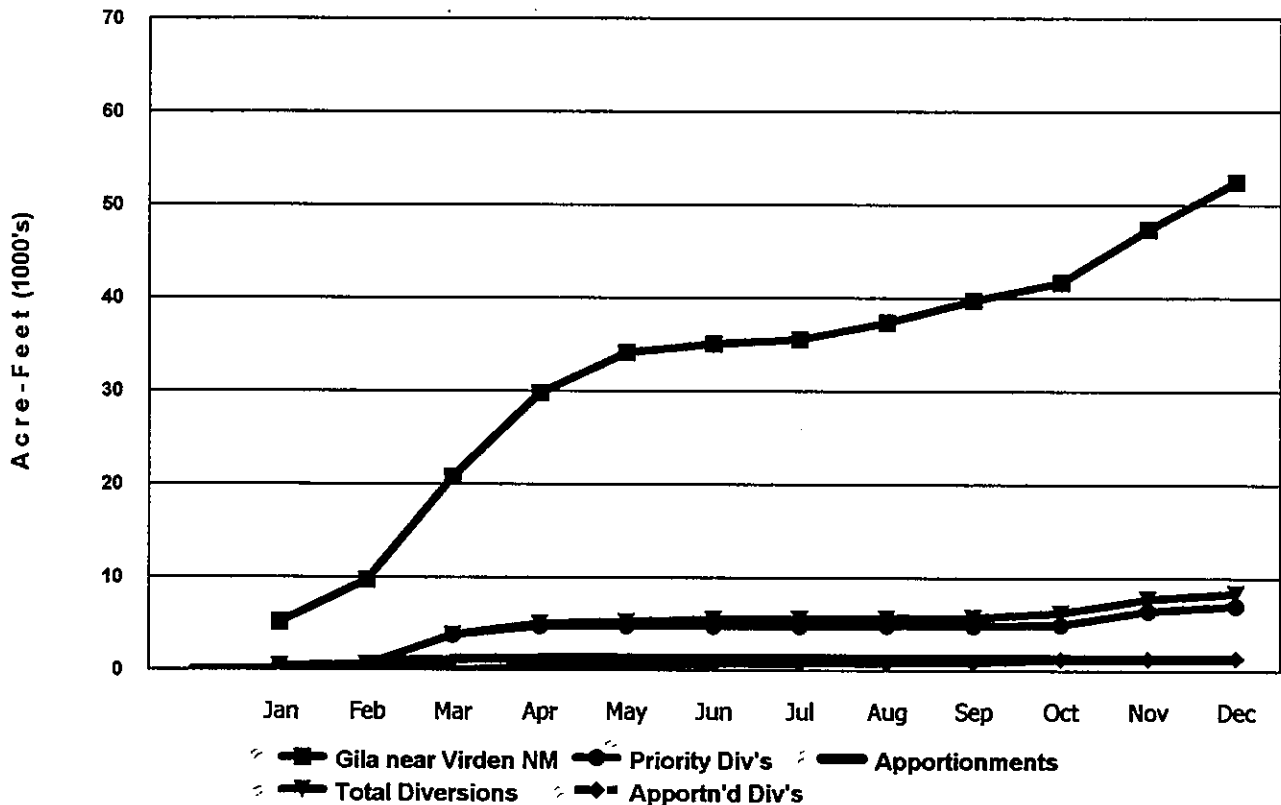
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2003

MASS DIAGRAM OF DUNCAN VALLEY
 DIVERSIONS, APPORTIONMENTS, & RIVER FLOWS

In Acre-feet

Month	Monthly Gila River Below Blue Creek	Accumulated				Water Apportioned
		Gila River Below Blue Creek	Total Diversions	Priority Diversions	Apportioned Diversions	
JAN	5,181	5,181	462	462		
FEB	4,544	9,725	650	650		
MAR	11,058	20,783	3,820	3,796	25	1,022
APR	9,041	29,824	5,039	4,738	301	1,281
MAY	4,280	34,104	5,230	4,738	492	1,320
JUN	960	35,064	5,520	4,793	727	1,320
JUL	508	35,572	5,562	4,793	769	1,320
AUG	1,776	37,348	5,657	4,805	852	1,325
SEP	2,404	39,752	5,725	4,810	915	1,325
OCT	1,960	41,712	6,229	4,949	1,280	1,325
NOV	5,667	47,379	7,728	6,437	1,291	1,325
DEC	5,062	52,441	8,338	6,983	1,355	1,325
Graph :		Gila near Virden NM	Total Diversions	Priority Div's	Apportn'd Div's	Apportionments



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2003

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	7.6	7.6					24.3	24.3		28.4	25.6	2.8	5.8		5.8			
2	7.6	7.6					26.0	26.0		28.2	25.6	2.6	1.7		1.7			
3	3.3	3.3					26.1	26.1		28.0	25.6	2.4						
4							26.7	26.7		28.0	18.9	9.1						
5							28.4	28.4		27.8	16.0	11.8				1.1		1.1
6							28.4	28.4		27.6	16.0	11.6				5.7		5.7
7							25.5	25.5		27.6	14.5	13.1				5.8		5.8
8							22.3	22.3		23.7	14.5	9.2				5.2		5.2
9							23.4	23.4		17.2	17.2					5.7		5.7
10							22.9	22.9		11.3	11.3					5.5		5.5
11							24.0	24.0		6.5	6.5					4.8		4.8
12							24.2	24.2		8.5	6.5					4.9		4.9
13							24.0	24.0		8.0	5.7	0.3				3.8		3.8
14				2.0	2.0		23.6	23.6		5.7	5.7					4.4		4.4
15				9.9	9.9		23.2	23.2		5.5	5.5					4.4		4.4
16				10.9	10.9		23.1	23.1		5.7	5.7					4.6		4.6
17							23.2	23.2		5.8	5.8					5.2		5.2
18							26.4	26.4		9.5	9.5					6.0		6.0
19							28.4	28.4		5.9	5.9					5.9		5.9
20							28.4	28.4		11.9	11.9					5.6		5.6
21							28.4	28.4		12.1	11.9	0.2				5.4		5.4
22							28.4	28.4		8.0	5.7	2.3				5.3		5.3
23							28.4	28.4		5.8	5.7	0.1				4.6		4.6
24							28.4	28.4		6.0	5.7	0.3				3.1		3.1
25							28.1	28.1		5.9	5.7	0.2				3.4		3.4
26							27.5	27.5		5.8	5.7	0.1				3.5		3.5
27				10.3	10.3		28.4	28.4		5.9	5.7	0.2				2.9		2.9
28				20.2	20.2		28.4	28.4		6.0	6.0					2.6		2.6
29							28.4	24.5	3.9	5.9	5.9					4.6		4.6
30							28.4	24.5	3.9	5.8	5.8					6.5		6.5
31							28.4	24.2	4.2									
Total	18.5	18.5		53.3	53.3		813.7	801.7	12.0	384.0	300.0	84.0	7.5		7.5	120.3	27.7	92.6
Acra-feet		37			106			1814			762		15			239		
Priority Diverted		37			106			1590			595				55			
Apport Diverted								24			167		15			184		
Apport diverted to date								24			191		206			390		
TBI acreage		2293.51			2293.51			2296.72			2478.82		2479.82			2478.82		
Apportioned								436			570		570			570		
Duty		0.02			0.05			0.70			0.25		0.01			0.10		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1	5.5		5.5				14.4		14.4				9.7	9.7		14.5	14.5		
2	4.7		4.7										9.7	9.7		14.7	11.9	2.8	
3	3.5		3.5										9.8	9.8		14.6	14.6		
4	4.9		4.9										10.8	10.8		14.4	14.4		
5	2.4		2.4										11.3	11.3		14.1	14.1		
6													11.4	11.4		14.5	14.5		
7													10.6	10.6		14.7	11.9	2.8	
8													9.7	9.7		14.5	11.9	2.6	
9													9.7	9.7		13.4	5.7	7.7	
10													9.4	9.4		2.1		2.1	
11							2.5	2.5					11.3	11.3					
12							5.8		5.8				12.3	12.3					
13							1.9	1.9					12.0	12.0					
14													15.7	15.7					
15													18.1	18.1					
16													18.2	18.2					
17													18.0	18.0					
18													18.0	18.0					
19													18.0	18.0					
20													18.0	18.0					
21													18.0	18.0					
22													17.8	17.8					
23													17.7	17.7					
24													17.9	17.9					
25													18.0	18.0					
26													18.0	18.0					
27										11.5	10.9	0.6	18.0	18.0					
28										14.8	14.5	0.3	18.0	18.0					
29				5.8		5.8				10.8	10.8		16.4	16.4					
30				15.9	5.7	10.2				11.9	11.9		14.1	14.1					
31				15.5						11.9	11.9								
Total	21.0		21.0	37.2	5.7	31.5	24.6	2.5	22.1	60.9	60.0	0.9	435.6	435.6		131.5	113.5	18.0	
Acra-feet		42			74			48			121		864			261		4183	
Priority Diverted					11			5			119		864			225		3607	
Apport Diverted					82			44			2					36		576	
Apport diverted to date								538			540		540			576		576	
TBI acreage		2478.82			2481.52			2481.52			2481.52		2481.52			2481.52		2481.52	
Apportioned					571			571			571		571			571		571	
Duty		0.02			0.03			0.02			0.05		0.35			0.11		1.68	

Diversion on North side of Old River in BENTON CO., Sec. 21, T. 18 N., R. 20 W., N48°E. Water-stage recorder and R.R. parallel same located in BENTON CO., Sec. 17, T. 18 N., R. 20 W. Record good

2003

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							10.9	10.9		19.7	19.7							
2							12.4	12.4		19.7	19.7							
3	6.6	6.6					12.1	12.1		19.7	19.7							
4	8.8	8.8					12.0	12.0		20.0	10.8	9.2						
5	8.6	8.6					12.0	12.0		20.0	8.4	11.6						
6	5.3	5.3					12.0	12.0		16.7	8.4	8.3						
7	5.4	5.4					12.0	12.0		14.0	6.0	8.0						
8	3.4	3.4					12.0	12.0		14.0	6.0	8.0						
9							12.0	12.0		12.7	12.7							
10							12.0	12.0		5.1	0.4	4.7						
11	7.0	7.0					12.0	12.0										
12	8.6	8.6					12.0	12.0										
13	8.6	8.6					12.0	12.0										
14	8.6	8.6					12.0	12.0										
15	8.8	8.6		3.0	3.0		12.0	12.0										
16	8.6	8.6		4.9	4.9		12.1	12.1										
17	8.6	8.6		1.9	1.9		12.2	12.2										
18	8.6	8.8					12.3	12.3	2.8	2.8								
19	8.6	8.6					12.2	12.2										
20	8.4	8.4					12.2	12.2										
21	8.6	8.6					14.0	14.0										
22	8.8	8.8					15.2	15.2										
23	8.8	8.8					15.2	15.2										
24	8.8	8.8					15.2	15.2										
25	5.0	5.0					16.3	16.3										
26	2.8	2.8					17.2	17.2										
27	1.1	1.1		5.5	5.5		17.2	17.2										
28				9.1	9.1		17.6	17.6										
29							17.4	17.4										
30							17.5	17.5										
31							17.6	17.6										
Total	166.0	168.0		24.4	24.4		420.8	420.8		164.4	111.8	52.6						
Acres-feet		329			48			835			326							
Priority Diverted		329			48			835			222							
Apport Diverted											104							
Apport diverted to date											104							104
TBI acreage		1702.8			1852.57			2061.82			2068.72			2238.52				2238.52
Apportioned								392			475			515				515
Duty		0.19			0.01			0.38			0.16			-0.06				

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1							6.6			6.6						5.8		5.8	
2							2.5			2.5						4.7			4.7
3							0.2			0.2						3.7		3.7	
4										3.7		3.7				7.1		7.1	
5										6.6		6.6	1.5	1.5		7.1		7.1	
6										6.4		6.4	1.1		1.1	7.1		7.1	
7										6.4		6.4	2.0		2.0	2.8		0.4	2.4
8										6.4		6.4	3.5	3.4	0.1				
9										7.1		7.1	3.2	3.2					
10										8.4		9.4	3.1	3.1					
11										12.3		12.3	2.8	1.8	0.8				
12										13.3		13.3	2.7	2.7					
13										12.0		12.0	3.0	3.0					
14							0.2		0.2	12.0		12.0	6.6	6.6					
15							0.1		0.1	12.0		12.0	9.0	9.0					
16										12.1		12.1	8.8	8.8					
17										12.1		12.1	8.6	8.6					
18										12.0		12.0	8.6	8.6					
19										8.3		8.3	8.6	8.6					
20												8.7	8.7						
21												11.6	11.6						
22												12.3	12.3			1.3		1.3	
23												10.2	10.2		1.1		0.4	0.7	
24												12.5	12.5		3.7		3.7		
25												12.5	12.5		9.7		9.7		
26												12.5	12.5		9.7		6.6	2.1	
27										8.8		8.8	5.4	5.4		8.1		8.1	
28										13.0	8.6	6.4	2.7	2.7		9.3		9.3	
29										8.8	1.9	5.0	2.7	2.7		9.3		9.3	
30				4.5		4.5				1.1	0.4	0.7	2.7	2.7		9.3		9.3	
31				6.3		6.3										9.3		9.3	
Total				10.8		10.8	9.8		9.8	189.6	8.8	180.8	166.7	162.7	4.0	108.1		98.2	9.9
Acres-feet						21			19			376		331				214	2500
Priority Diverted						21			19			17		323				195	1969
Apport Diverted												359		8				20	531
Apport diverted to date												503		511				531	531
TBI acreage												2257.69		2257.69				2257.69	2257.69
Apportioned												519		519				519	519
Duty						0.00			0.01			0.17		0.15				0.10	1.11

Diversion on South side of Gila River in NE1/4NW1/4, Sec. 4, T. 19 S., R21 W., NMPM. Water-stage recorder and G.E. Parshall Gate located in NW1/4SE1/4, Sec. 34, T.8 S., R.32 E. Record good

2003

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							12.1	12.1		11.7	11.2	0.5				8.9		8.9
2							12.2	12.2		10.8	10.8					8.7		8.7
3							12.4	12.4		10.8	10.6					7.9		7.9
4							12.4	12.4		7.0	7.0							
5							12.2	12.2		4.8	4.8							
6							11.9	11.9		4.0	4.0							
7							11.6	11.6		5.2	5.2							
8							11.9	11.9		4.9	4.9							
9							11.0	11.0		4.9	4.9							
10							10.8	10.8		2.2		2.2						
11							11.7	11.7										
12							12.0	12.0										
13							11.6	11.6										
14							10.8	10.8										
15				2.3	2.3		11.2	11.2										
16				2.0	2.0		10.6	10.6										
17							10.5	10.5										
18							11.4	11.4										
19							11.7	11.7										
20							12.4	12.4										
21	5.8	5.8					12.0	12.0										
22	10.7	10.7					11.7	11.7										
23	10.7	10.7					11.8	11.8					7.2		7.2			
24	10.7	10.7					11.2	11.2					11.9		11.9			
25	5.3	5.3					11.9	11.9					11.3		11.3			
26	3.5	3.5					12.1	12.1					10.1		10.1			
27	1.8	1.8		3.1	3.1		11.9	11.9					9.7		9.7			
28				9.5	9.5		11.4	11.4					9.3		9.3			
29							12.4	12.4					10.0		10.0			
30							12.4	12.2	0.2				9.5		9.5			
31							12.4	12.2	0.2				9.8		9.8			
Total	48.5	48.5		16.9	16.9		363.6	363.2	0.4	66.1	63.4	2.7	88.8		88.8	25.5		25.5
Acre-feet		96			34			721			131				176			51
Priority Diverted		96			34			720			128							
Apport Diverted								1			5				178			51
Appor diverted to date								1			6				182			233
TBI acreage		1021.00			1021.00			1021.00			1021.00				1021.00			1021.00
Apportioned								194			235				235			235
Duty		0.09			0.03			0.71			0.13				0.17			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																4.9		4.9	
2																2.3		2.3	
3																2.2		2.2	
4																4.9		4.9	
5																4.9		4.9	
6													0.6		0.6	4.9		4.9	
7													1.1		1.1	1.8		1.9	
8													0.6		0.6				
9													0.9		0.9				
10													0.9		0.9				
11													0.8		0.8				
12													0.9		0.9				
13													1.3		1.3				
14													6.2		6.2				
15													7.2		7.2				
16													10.0		10.0				
17													10.0		10.0				
18													10.3		10.3				
19													10.1		10.1				
20													10.1		10.1				
21													10.0		10.0				
22													9.9		9.9				
23													10.1		10.1				
24													10.0		10.0	1.6		1.6	
25													9.9		9.9	4.7		4.7	
26													6.9		6.9	4.8		4.8	
27													4.0		4.0	4.7		4.7	
28										0.8	0.8		10.1		10.1	4.6		4.6	
29										2.5	0.7	1.8	6.8		6.8	4.3		4.3	
30													4.9		4.9	7.4		7.4	
31													9.9		9.9	9.9		9.9	
Total										3.3	1.5	1.8	153.4	151.7	1.7	68.0	63.8	4.2	
Acre-feet											7			304		135		1855	
Priority Diverted											3			301		127		1407	
Apport Diverted											4			3		8		248	
Appor diverted to date											237			240		248		248	
TBI acreage		233			233			233			237			240		248		248	
Apportioned		235			235			235			235			235		235		235	
Duty											0.01			0.30		0.13		1.62	

Diversions on North side of Gila River in NE1/4NW1/4, Sec. 4, T. 19 S., R.21 W., NMPN. Water stage recorder and 6 ft. Parshall flume located in NW1/4SE1/4, Sec. 34, T.8 S., R.32 E. Record good

2003

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	79.6	79.6					245.3	245.3		310.5	308.1	2.4	4.7	4.7		5.0		5.0
2	71.1	71.1					287.9	287.9		295.4	273.9	21.5	4.7	4.7		8.1		8.1
3	71.1	71.1					292.0	292.0		283.7	249.6	14.1	4.7	4.7		8.4		8.4
4	62.7	62.7					324.2	324.2		243.0	235.8	7.2	4.7	4.7		4.2		4.2
5	57.0	57.0					333.7	333.7		214.0	204.4	9.6	4.7	4.7				
6	66.3	66.3					322.5	322.5		205.5	194.3	11.2	4.7	4.7				
7	64.9	64.9					327.9	327.9		204.7	194.9	9.8	4.7	4.7				
8	68.0	68.0					328.4	328.4		186.5	172.0	14.5	1.4	1.4				
9	57.8	57.8					311.6	311.6		185.9	171.5	14.4						
10	84.5	84.5					282.9	282.9		183.1	183.1							
11	93.3	93.3					296.8	296.8		155.8	105.4	50.4						
12	103.6	103.6					320.8	320.8		148.3	101.7	44.6						
13	102.2	102.2					313.7	313.7		142.6	86.6	56.0						
14	107.8	107.8					319.0	319.0		116.4	40.5	75.9						
15	112.9	112.9		14.8	14.8		270.2	270.2		53.8	42.6	11.0						
16	126.4	126.4		131.5	131.5		289.8	289.8		55.2	41.3	13.9						
17	126.4	126.4		17.7	17.7		240.9	240.9		41.3	27.1	14.2						
18	128.0	128.0					270.1	270.1		39.7	39.7							
19	124.1	124.1					340.4	340.4		67.4	57.7	9.7						
20	126.5	126.5					346.3	346.3		80.5	86.4	4.1						
21	150.2	150.2					338.2	338.2		94.2	87.8	6.4						
22	174.0	174.0					339.7	339.7		80.5	71.4	9.1						
23	170.9	170.9					340.7	340.7		53.9	41.9	12.0						
24	169.9	169.9					342.9	342.9		48.3	40.7	7.6						
25	189.5	189.5					344.5	344.5		34.7	28.5	6.2						
26	166.1	166.1					340.6	340.6		47.5	40.8	6.7						
27	155.3	155.3					343.6	343.6		22.4	13.7	8.7						
28	9.8	9.8		187.8	187.8		343.9	343.9		25.0	18.3	6.7						
29	0.4	0.4					344.0	344.0		5.0	5.0							
30							342.0	333.4	8.6	4.4	0.3	4.1						
31							330.3	325.0	5.3									
Total	2998.3	2998.3		351.8	351.8		9794.8	9780.9	13.9	3817.0	3180.0	457.0	34.3		34.3	25.7		25.7
Acres-feet		5947			697			19428			7174			68			51	
Priority Diverted		5947			697			19400			6268							
Apport Diverted								28			907			68			51	
Apport diverted to date								28			835			1003			1054	
TBI acreage		28128.38			28128.38			28128.38			28128.38			28156.38			28156.38	
Apportioned								5344			6470			6476			6476	
Duty		0.21			0.02			0.68			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							84.0		84.0				20.5	19.5	1.0	92.4		92.4	
2													17.3	17.3		86.2		86.2	
3										11.5		11.5	18.6	18.6		84.7		86.1	18.6
4										23.8		23.8	18.2	18.2		84.1		84.1	
5							36.8		36.8	20.3		20.3	18.0	17.6	0.4	84.4		84.4	
6							60.3		60.3	19.7		19.7	19.3	19.0	0.3	84.5		84.5	
7							47.8		47.8	25.5		25.5	34.6	27.5	7.1	86.2		86.2	
8							40.2		40.2	30.6		30.6	38.6	31.4	7.2	88.8		74.5	12.3
9							44.9		44.9	38.3		38.3	36.9	36.4	0.5	84.5		58.1	25.4
10							48.7		48.7	59.0		59.0	31.5	31.5		67.4		28.6	38.8
11							51.8	51.8		71.6		71.6	30.7	30.7		48.9			48.9
12							49.1		49.1	67.9		67.9	32.0	32.0		37.7			37.7
13							57.5			62.8		62.8	42.8	36.5	6.3	33.6			33.6
14							62.2			62.2		62.2	64.3	64.3	0.3	36.5			36.5
15							47.4		47.4	35.5		35.5	63.4	63.4		26.8			26.8
16							25.2		25.2	33.8		33.8	63.0	63.0		26.9			26.9
17										30.9		30.9	62.8	62.8		31.3			31.3
18										30.1		30.1	63.6	63.6		32.5			32.5
19										26.4		26.4	63.2	63.2		32.0			32.0
20										26.6		26.6	62.8	62.8		33.2			33.2
21										30.1		30.1	62.1	62.1		49.9		20.0	29.9
22										32.6		32.6	60.7	60.7		69.8		51.0	18.8
23										30.2		30.2	60.4	60.4		79.3		70.0	9.3
24										29.0		29.0	62.2	62.2		93.0		80.9	12.1
25										19.1		19.1	62.2	62.2		62.1		77.8	4.3
26										15.5		15.5	96.4	96.4		67.1		67.1	
27										17.5		17.5	101.0	101.0		64.5		62.1	2.4
28										21.4		21.4	3.1	100.2		85.0		85.0	
29				18.9						29.1	18.3			95.1		67.0		67.0	
30				49.9						23.5	20.8	2.7		92.9		69.1		69.1	
31				79.4	27.8	51.8				19.8	18.3	1.5				73.9		73.9	
Total				148.1	27.8	118.5	655.9	100.9	555.0	931.6	86.5	845.1	1645.8	1622.5	23.1	1959.1	1450.0	509.1	
Acres-feet						290			1300		1849			3284		3885			43957
Priority Diverted						55			201		172			3219		2875			39834
Apport Diverted						235			1101		1676			46		1011			5123
Apport diverted to date						1289			2390		4066			4112		5123			5123
TBI acreage		28148.03			27523.06			27523.06			27523.06			27523.06		27482.30			27482.30
Apportioned		6474			6330			6330			6330			6330		6321			6320
Duty					0.04			0.05			0.07			0.12		0.14			1.80

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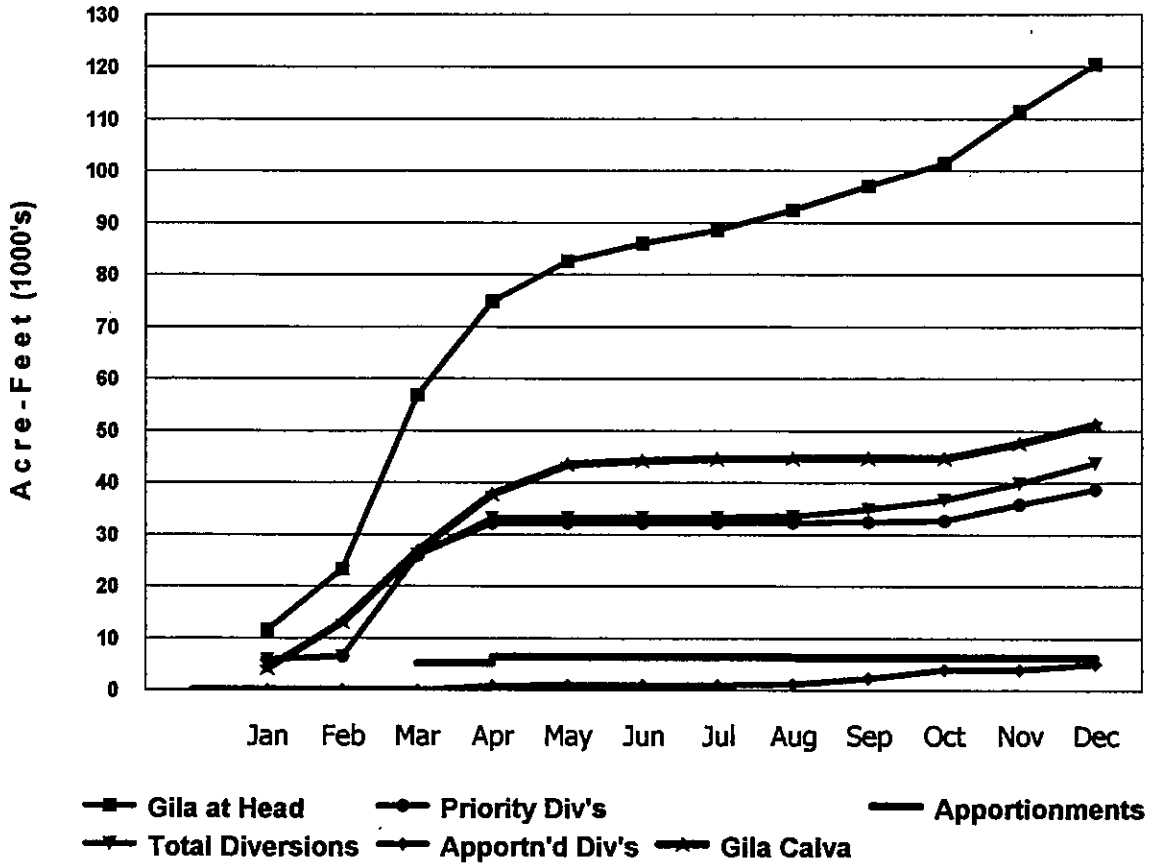
2003

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	11,746	11,746	5,947	5,947			4,360	4,360
FEB	11,663	23,409	6,645	6,645			13,123	8,763
MAR	33,440	56,849	26,073	26,045	28	5,313	26,892	13,769
APR	18,052	74,901	33,247	32,312	935	6,431	37,843	10,951
MAY	7,744	82,645	33,315	32,312	1,003	6,438	43,534	5,691
JUN	3,447	86,092	33,366	32,312	1,054	6,438	44,234	700
JUL	2,555	88,647	33,366	32,312	1,054	6,435	44,699	465
AUG	3,864	92,511	33,656	32,367	1,289	6,330	44,717	18
SEP	4,572	97,083	34,957	32,567	2,390	6,330	44,721	4
OCT	4,340	101,423	36,805	32,739	4,066	6,330	44,721	
NOV	10,038	111,461	40,069	35,957	4,112	6,330	47,690	2,969
DEC	9,045	120,506	43,957	38,834	5,123	6,320	51,288	3,598
Graph:		Gila at Head	Total Diversions	Priority Div's	Apportn'd Div's	Apportion- ments	Gila Calva	



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2003

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	2.1	2.1					9.9	9.9		12.1	12.1							
2							10.3	10.3		12.1	12.1							
3							11.5	11.5		11.9	11.9							
4							12.2	12.2		11.7	11.7							
5							12.5	12.5		11.7	11.5	0.2						
6							12.6	12.6		11.7	10.2	1.5						
7							12.4	12.4		10.0	10.0							
8	4.2	4.2					12.3	12.3		6.9	6.9							
9	4.9	4.9					12.2	12.2		6.9	6.9							
10	3.9	3.9					12.3	12.3		6.3	6.3							
11	4.5	4.5					12.4	12.4		4.9	4.6	0.3						
12	4.8	4.8					12.5	12.5		4.7	4.6	0.1						
13	4.8	4.8					12.4	12.4		3.6	3.6							
14	4.8	4.8					12.3	12.3		2.1	2.1							
15	8.4	8.4					12.3	12.3		2.1	2.1							
16	10.1	10.1		7.1	7.1		12.3	12.3		1.8	1.8							
17	3.2	3.2		0.5	0.5		12.3	12.3		0.9	0.9							
18							11.9	11.9		0.8	0.8							
19							12.0	12.0		2.1	2.1							
20							13.1	13.1		3.5	3.5							
21							12.8	12.8		3.8	3.8							
22	6.7	6.7					12.0	12.0		3.3	3.3							
23	9.7	9.7					11.8	11.6		2.4	2.3	0.1						
24	9.7	9.7					12.8	12.8		2.2	2.2							
25	9.2	9.2					12.6	12.6		1.4	1.4							
26	7.4	7.4					12.5	12.5		2.2	2.2							
27	6.4	6.4					12.4	12.4		0.8	0.8							
28	0.6	0.6		7.2	7.2		12.4	12.4		0.7	0.7							
29							12.5	12.5										
30							12.4	12.4										
31							12.1	12.1										
Total	105.4	105.4		14.8	14.8		377.8	377.8		144.6	142.4	2.2						
Acra-foot		209			29			749			287							
Priority Diverted		209			29			749			282							
Apport Diverted											4							
Appor diverted to date											4							4
TBI acreage		1029.23			1029.23			1029.23			1029.23			1029.23				1029.23
Apportioned								196			237			237				237
Duty		0.20			0.03			0.73			0.28							

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							3.4		3.4				3.5	3.5					
2													3.5	3.5					
3													3.5	3.5					
4													3.5	3.5					
5							1.7		1.7				3.5	3.5					
6							3.3		3.3				3.9	3.9					
7							2.6		2.6				5.0	4.0	1.0				
8							2.1		2.1				5.0	4.0	1.0				
9							2.3		2.3				5.0	5.0					
10							2.9		2.9				5.0	5.0					
11							3.1	3.1					5.0	5.0					
12							1.4	1.4					5.0	5.0					
13													5.3	5.3					
14													4.2	4.2					
15													3.9	3.9					
16													3.7	3.7					
17													3.7	3.7		2.6		2.6	
18													3.6	3.6		4.6		4.6	
19													3.6	3.6		5.0		5.0	
20													3.6	3.6		5.0		5.0	
21													3.6	3.6		5.0	1.6	3.4	
22													3.5	3.5		5.0	3.1	1.9	
23													3.5	3.5		5.0	5.0		
24													3.5	3.5		2.7	2.7		
25													3.5	3.5					
26													3.5	3.5					
27													3.5	3.5					
28										1.5	1.5		3.4	3.4					
29							1.1		1.1	3.4	3.4		1.3	1.3					
30							2.2		2.2	3.5	3.5								
31							2.8	1.6	1.2	3.5	3.5								
Total				6.1	1.6	4.5	22.8	4.5	18.3	11.9	11.9		112.3	110.3	2.0	34.9	12.4	22.5	
Acra-foot					12			45			24			223			69	1647	
Priority Diverted					3			9			24			219			25	1549	
Apport Diverted					9			36						4			45	98	
Appor diverted to date		4			13			49			49			53			98	98	
TBI acreage		1035.63			1028.23			1028.23			1028.23			1028.23			1028.23	1028.23	
Apportioned		238			236			236			236			236			236	236	
Duty					0.01			0.04			0.02			0.22			0.07	1.60	

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

2003

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	25.0	25.0					33.8	33.8		48.2	45.4	0.8						
2	24.5	24.5					28.5	28.5		48.2	38.8	7.4						
3	24.5	24.5					32.7	32.7		38.9	38.9							
4	24.5	24.5					42.6	42.6		31.2	31.2							
5	24.5	24.5					43.5	43.5		25.8	25.8							
6	24.1	24.1					43.3	43.3		24.9	24.9							
7	23.2	23.2					43.3	43.3		25.0	24.9	0.1						
8	22.3	22.3					43.5	43.5		22.8	22.8							
9	20.6	20.6					43.3	43.3		22.8	22.8							
10	27.1	27.1					38.1	38.1		21.9	21.9							
11	28.9	28.9					43.3	43.3		18.4	18.4							
12	33.1	33.1					45.0	45.0		17.8	17.8							
13	31.8	31.8					45.4	45.4		17.8	17.8							
14	33.2	33.2					45.4	45.4		12.3	12.3							
15	33.8	33.8		5.3	5.3		37.5	37.5		12.3	12.3							
16	33.8	33.8		24.9	24.9		43.3	43.3		12.3	12.3							
17	33.8	33.8		3.4	3.4		31.8	31.8		8.9	8.9							
18	33.8	33.8					38.8	38.8		8.9	8.9							
19	33.8	33.8					48.2	48.2		14.4	14.4							
20	26.5	26.5					48.2	48.2		17.8	17.8							
21	28.6	28.6					48.2	48.2		17.8	17.8							
22	33.8	33.8					48.2	48.2		16.7	16.7							
23	31.8	31.8					48.2	48.2		12.3	12.3							
24	31.8	31.8					48.2	48.2		12.3	12.3							
25	31.8	31.8					48.2	48.2		8.9	8.9							
26	22.8	22.8					48.2	48.2		12.3	12.3							
27	22.8	22.8					48.2	48.2		3.5	3.4	0.1						
28	2.3	2.3		26.5	26.5		48.2	48.2		6.7	6.7							
29							48.2	48.2										
30							48.2	45.9	0.3									
31							48.2	45.4	0.8									
Total	763.5	769.5		80.1	80.1		1324.5	1323.4	1.1	535.1	526.7	8.4						
Acra-foot		1526			119			2627			1061							
Priority Diverted		1526			119			2625			1045							
Apport Diverted								2			17							
Apport diverted to date								2			19			19				19
TBI acreage		3697.11			3697.11			3697.11			3697.11			3697.11				3697.11
Apportioned								702			850			850				850
Duty		0.41			0.03			0.71			0.29							

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							17.8		17.8							17.5		17.5	
2																17.5		17.5	
3																17.5		17.5	
4																17.5		17.5	
5							8.9		8.9							17.5		17.5	
6							14.8		14.8							17.5		17.5	
7							12.5		12.5							17.5		17.5	
8							11.5		11.5							17.5		17.5	
9							12.5		12.5							18.0		16.5	1.5
10							13.2		13.2	16.1		16.1				13.9		9.8	4.1
11							13.9	13.9		16.2		16.2				4.8		4.8	
12							13.2	13.2		14.2		14.2							
13							15.3		15.3	14.2		14.2							
14							18.5		18.5	14.2		14.2							
15							13.8		13.8	14.2		14.2							
16							8.2		8.2	14.2		14.2							
17										14.2		14.2							
18										14.0		14.0							
19										14.1		14.1							
20										14.1		14.1							
21										14.0		14.0				8.0		6.0	
22										14.0		14.0				12.6		12.6	
23										14.0		14.0				16.6		16.6	
24										14.1		14.1	6.5		6.5	17.5		17.5	
25										4.9		4.9	4.9		9.1	6.0		6.0	
26													9.1		9.1				
27													15.1		15.1				
28													17.5		17.5				
29				5.2		5.2							17.5		17.5				
30				15.2		15.2							17.5		17.5				
31				16.6	8.8	7.8							17.5		17.5				
Total				37.0	8.8	28.2	172.1	27.1	145.0	220.7		220.7	92.3	92.3		235.4	225.0	10.4	
Acra-foot						73			341			438			183			487	6837
Priority Diverted						17			54			438			183			448	6015
Apport Diverted						56			288			438			183			21	822
Apport diverted to date						75			363			801			801			822	822
TBI acreage		3697.11			3645.36				3645.36			3645.36			3645.36			3645.36	3645.36
Apportioned		850			838				838			838			838			838	838
Duty					0.04				0.09			0.12			0.05			0.13	1.88

Diversion from South side of Gila River in SW1/4SW1/4, Sec.36, T8 N., R127 E. Water stage recorder and 16 R Parshall flume located in MICHIGAN, Sec.2, T17 N., R127 E, which measures combined flow of San Jose, Fourteen, Morozuma, and Union Canals. Segregation made by Watermaster
Record good

2003

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	1.5	1.5					2.4	2.4										
9							2.4	2.4										
10	2.4	2.4					2.4	2.4										
11	2.4	2.4					2.4	2.4										
12	2.4	2.4					2.4	2.4										
13	2.4	2.4					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		2.4	2.4										
17	2.4	2.4					2.4	2.4										
18	2.4	2.4					2.4	2.4										
19	2.4	2.4					2.4	2.4										
20	2.4	2.4					2.4	2.4										
21	2.4	2.4					2.4	2.4										
22	2.4	2.4					2.4	2.4										
23	2.4	2.4					2.4	2.4										
24	2.4	2.4					2.4	2.4										
25	2.4	2.4					2.4	2.4										
26							2.4	2.4										
27							2.4	2.4										
28				2.4	2.4		2.4	2.4										
29							2.4	2.4										
30							2.4	2.4										
31							2.4	2.4										
Total	56.7	56.7		4.8	4.8		74.4	74.4		16.8	16.8							
Acre-feet		112			10			148			33							
Priority Diverted		112			10			148			33							
Apport Diverted																		
Appor diverted to date																		
TBI acreage		189.60			189.60			189.60			189.60			189.60				189.60
Apportioned								36			44			44				44
Duty		0.58			0.05			0.78			0.17							

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																1.5		1.5	
18																2.2		2.2	
19																2.0		2.0	
20																2.0		2.0	
21																2.4		2.4	
22																2.4		2.4	
23																2.4		2.4	
24																2.4		2.4	
25																0.8		0.8	
26																			
27																			
28																			
29																			
30																			
31																			
Total																18.1		18.1	
Acre-feet																		36	339
Priority Diverted																		303	303
Apport Diverted																		36	36
Appor diverted to date																		36	36
TBI acreage		189.60			189.60			189.60			189.60			189.60				189.60	189.60
Apportioned		44			44			44			44			44				44	44
Duty																		0.19	1.79

2003

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	19.4	19.4					43.8	43.8		44.9	44.9							
2	17.5	17.5					38.4	38.4		45.8	45.8					1.8		1.8
3	17.5	17.5					36.4	36.4		35.1	35.1					2.2		2.2
4	17.5	17.5					41.6	41.6		32.0	32.0					0.8		0.8
5	17.5	17.5					47.5	47.5		24.5	24.5							
6	16.4	16.4					47.4	47.4		23.6	23.6							
7	14.4	14.4					47.2	47.2		23.9	23.9							
8	14.8	14.8					47.6	47.6		21.8	21.7	0.1						
9	12.7	12.7					46.7	46.7		20.8	20.8							
10	28.2	28.2					47.6	47.6		19.4	19.4							
11	31.4	31.4					43.4	43.4		17.8	17.8							
12	38.0	38.0					45.8	45.6		17.3	17.3							
13	36.4	36.4					47.0	47.0		17.1	17.1							
14	38.2	38.2					46.2	46.2		13.3	13.3							
15	38.8	38.8		4.8	4.8		47.7	47.7		14.5	14.5							
16	38.7	38.7		14.9	14.9		42.7	42.7		14.3	14.3							
17	38.9	38.9		3.8	3.8		37.1	37.1		9.1	9.1							
18	39.0	39.0					45.5	45.5		8.9	8.9							
19	38.9	38.9					44.7	44.7		16.1	16.1							
20	25.4	25.4					47.2	47.2		18.2	18.2							
21	32.7	32.7					46.9	46.9		16.4	16.4							
22	37.3	37.3					46.5	46.5		16.6	16.6							
23	35.9	35.9					46.2	46.2		14.6	14.6							
24	36.4	36.4					46.8	46.8		14.7	14.7							
25	36.8	36.8					47.0	47.0		9.7	9.7							
26	18.8	18.8					46.2	46.2		14.4	14.4							
27	20.0	20.0					46.9	46.9		5.2	5.2							
28	3.7	3.7		18.5	18.5		46.9	46.9		5.2	5.2							
29	0.4	0.4					46.5	46.5										
30							46.3	46.3		0.3	0.3							
31							48.2	48.2										
Total	761.6	761.6		42.0	42.0		1404.7	1404.7		533.5	533.4	0.1				4.8		4.8
Acres-feet		1511			83			2786			1058						10	
Priority Diverted		1511			83			2786			1058						10	
Apport Diverted																	10	
Apport diverted to date																	10	
TBI acreage		3887.08			3887.08			3887.08			3887.08			3887.08			3887.08	
Apportioned								739			894			894			894	
Duty		0.39			0.02			0.72			0.27							

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							15.1		15.1							16.0		16.0	
2																16.2		16.2	
3																15.8		15.8	
4																16.1		16.1	
5							9.4		9.4							16.2		16.2	
6							15.7		15.7							16.2		16.2	
7							14.4		14.4							16.3		16.3	
8							14.3		14.3							16.7		16.7	
9							14.6		14.6	9.7		9.7				17.2		17.2	
10							14.3		14.3	10.3		10.3				17.0		17.0	5.0
11							16.6		16.6	13.6		13.6				16.9		16.9	
12							15.8		15.8	15.2		15.2				17.2		17.2	
13							15.1		15.1	15.8		15.8				17.1		17.1	
14							14.5		14.5	15.7		15.7				9.8		9.8	
15							14.0		14.0	16.4		16.4	8.7	7.7	8.7				
16							9.4		9.4	15.0		15.0	9.6	9.6					
17										9.2		9.2	10.1	10.1					
18										7.5		7.5	10.0	10.0					
19										7.5		7.5	9.9	9.9					
20										7.5		7.5	9.9	9.9					
21										7.5		7.5	9.5	9.5		6.2		6.2	
22										7.5		7.5	9.4	9.4		12.3		12.3	
23										7.5		7.5	9.5	9.5		12.8		12.8	
24										7.5		7.5	16.5	16.5		14.6		14.6	
25										7.5		7.5	18.1	18.1		11.4		11.4	
26										8.9		8.9	19.2	19.2		8.8		8.8	
27										9.0		9.0	18.8	18.8		8.8		8.8	
28										9.2	9.2		18.7	18.7		8.8		8.8	
29										9.2	9.2		17.0	17.0		8.8		8.8	
30				4.3		4.3				2.5	2.5		16.1	16.1		8.8		8.8	
31				17.7		17.7										8.8		8.8	
				17.4	10.0	7.4										8.8		8.8	
Total				38.4	10.0	29.4	183.0	32.2	150.8	219.7	20.9	198.8	219.7	219.7		334.8	268.8	66.0	
Acres-feet						78		363			436			436		864		7424	
Priority Diverted						20		64			41			436		533		6532	
Apport Diverted						58		299			384					131		892	
Apport diverted to date						68		367			761			761		892		892	
TBI acreage		3887.08			3882.28			3882.28			3882.28			3882.28		3876.28		3876.28	
Apportioned		894			893			893			893			893		892		892	
Duty					0.02			0.08			0.11			0.11		0.17		1.92	

2003

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	3.9	3.9					54.8	54.8		74.7	73.1	1.6						
2							63.8	63.8		74.7	60.6	14.1						
3							73.2	73.2		74.7	80.6	14.1						
4							74.7	74.7		67.8	80.6	7.2						
5							71.2	71.2		67.8	58.6	9.2						
6							71.2	71.2		67.8	58.1	9.7						
7							71.2	71.2		67.8	58.1	9.7						
8							71.2	71.2		67.8	53.5	14.3						
9							71.2	71.2		67.8	53.5	14.3						
10							60.6	60.6		67.8	67.8							
11							71.2	71.2		67.8	25.9	41.9						
12							72.8	72.8		67.8	25.9	41.9						
13							73.1	73.1		67.8	21.2	46.6						
14							73.5	73.5		67.8	9.9	57.9						
15				4.2	4.2		59.8	59.8		9.9	9.9							
16				41.0	41.0		71.2	71.2		9.9	9.9							
17				3.9	3.9		58.0	58.0		6.5	6.5							
18							60.6	60.6		8.5	6.5							
19							74.7	74.7		14.1	14.1							
20							74.7	74.7		21.2	21.2							
21							74.7	74.7		21.2	21.2							
22							74.7	74.7		15.2	15.2							
23							74.7	74.7		9.9	9.9							
24							74.7	74.7		9.9	9.9							
25							74.7	74.7		6.5	6.5							
26	53.5	53.5					74.7	74.7		9.9	9.9							
27	53.5	53.5					74.7	74.7		3.9	3.9							
28	2.7	2.7		55.7	55.7		74.7	74.7		5.3	5.3							
29							74.7	74.7										
30							74.7	73.8	0.9									
31							74.7	73.7	1.0									
Total	113.6	113.6		104.8	104.8		2195.4	2193.5	1.9	1119.8	837.3	282.5						
Acra-feet		225			208			4355			2221							
Priority Diverted		225			208			4351			1661							
Apport Diverted								4			560							
Appor diverted to date								4			564							
TBI acreage		5978.78			5978.78			5978.78			5978.78				6006.96			564
Apportioned								1136			1375				1382			6006.78
Duty		0.04			0.03			0.73			0.37							1382

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							21.3		21.3							17.5	17.5		
2																17.5	17.5		
3										7.4		7.4				17.5	17.5		
4										14.4		14.4				17.5	17.5		
5							8.3		8.3	14.4		14.4				17.5	17.5		
6							13.7		13.7	14.4		14.4				17.5	17.5		
7							11.2		11.2	20.4		20.4	12.6	12.6		17.5	17.5		
8							9.8		9.8	24.9		24.9	17.1	17.1		17.5	17.5		
9							10.9		10.9	25.0		25.0	16.9	16.9		14.7	14.7		
10							11.6		11.6	25.0		25.0	16.2	16.2		5.8	5.8		
11							11.6	11.6		25.0		25.0	17.2	17.2					
12							11.6	11.6		25.0		25.0	17.9	17.9					
13							13.8		13.8	25.0		25.0	18.6	18.6					
14							15.0		15.0	15.8		15.8	17.5	17.5					
15							11.8		11.8				17.5	17.5					
16							6.6		6.6				17.5	17.5					
17													17.5	17.5					
18													17.5	17.5					
19													17.5	17.5					
20													17.5	17.5					
21													17.5	17.5					
22													17.5	17.5		4.4	4.4		
23													17.5	17.5		11.6	11.6		
24													17.5	17.5		18.5	18.5		
25													17.5	17.5		17.5	17.5		
26													17.5	17.5		10.9	10.9		
27													17.5	17.5		7.8	7.8		
28													17.5	17.5		7.4	7.4		
29				4.5	4.5								17.5	17.5		7.3	7.3		
30				9.5	9.5								17.5	17.5		8.5	8.5		
31				17.1	6.4	10.7							17.5	17.5		9.0	9.0		
Total				31.1	6.4	24.7	157.3	23.2	134.1	236.5		236.5	414.0	414.0		278.9	278.9		
Acra-feet					62			312			468			821			563	9226	
Priority Diverted					13			46						821			563	7878	
Apport Diverted					49			288			468							1348	
Appor diverted to date					613			879			1348			1348				1348	
TBI acreage		6006.78			5902.18			5902.18			5902.18			5902.18			5967.42	5967.42	
Apportioned		1382			1358			1358			1358			1358			1350	1350	
Duty					0.03			0.05			0.08			0.14			0.10	1.57	

2003

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							32.0	32.0		40.6	40.6					5.0		5.0
2							38.6	38.6		34.3	34.3					6.3		6.3
3							48.6	48.6		27.2	27.2					6.2		6.2
4							47.0	47.0		25.4	25.4					3.4		3.4
5							48.7	48.7		22.3	22.1	0.2						
6							48.2	48.2		18.8	18.8							
7							47.4	47.4		18.0	18.0							
8							45.0	45.0		13.4	13.3	0.1						
9							40.9	40.9		13.4	13.3	0.1						
10							34.4	34.4		13.0	13.0							
11							36.9	36.9		4.5	4.5							
12							44.5	44.5		4.5	4.5							
13							42.2	42.2		4.1	4.1							
14							42.0	42.0		0.9	0.9							
15				0.5	0.5		31.9	34.9		1.1	1.1							
16				16.8	16.8		37.8	37.8		1.0	1.0							
17							25.8	25.8										
18							33.7	33.7										
19							47.4	47.4		1.7	1.7							
20	16.3	16.3					48.6	48.6		4.4	4.4							
21	25.0	25.0					48.1	48.1		4.5	4.5							
22	29.2	29.2					48.1	48.1		4.2	3.0	1.2						
23	27.4	27.4					47.4	47.4		1.1	1.0	0.1						
24	27.1	27.1					47.8	47.8		0.9	0.9							
25	27.3	27.3					47.7	47.7		0.8	0.7	0.1						
26	12.8	12.8					47.5	47.5		0.8	0.8							
27	11.7	11.7					47.4	47.4		0.5	0.4	0.1						
28				21.2	21.2		47.4	47.4		0.4	0.4							
29							47.5	47.5										
30							46.9	45.0	1.9									
31							43.1	43.1										
Total	176.8	176.6		38.5	38.5		1340.3	1338.4	-1.9	261.8	258.9	1.9				20.9		20.9
Acres-feet		350			78			2658			519							41
Priority Diverted		350			78			2658			516							41
Apport Diverted								4			4							41
Apport diverted to date								4			8			8				49
TBI acreage		3882.52			3882.52			3882.52			3882.52			3882.52				3882.52
Apportioned								738			893			893				893
Duty		0.08			0.02			0.68			0.13							0.01

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							4.5		4.5				3.4	3.4					
2																			
3																			
4																			
5							2.2		2.2										
6							2.2		2.2										
7							1.3		1.3										
8							0.9		0.9										
9							1.3		1.3										
10							1.6		1.6										
11							1.6	1.6											
12							1.7	1.7											
13							2.4		2.4										
14							2.8		2.8										
15							2.0		2.0										
16							0.4		0.4										
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total							24.9	3.3	21.6	0.8	0.8		3.4	3.4					
Acres-feet								49			2			7					3705
Priority Diverted								7			2			7					3613
Apport Diverted								43											92
Apport diverted to date								92			92			92					92
TBI acreage		3867.77			3689.33			3689.33			3689.33			3689.33				3689.33	3689.33
Apportioned		890			849			849			849			849				849	849
Duty					0.05			0.01											1.00

Diversion from North side of Gls River in HWY 90, Sec. 8, T.7 S., R.28 E. Water-stage recorder and S.R. Parshall flume located in HWY 90, Sec. 4, T.7 S., R.28 E. Record good

2003

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							22.1	22.1		26.0	26.0							
2							24.5	24.5		21.4	21.4							
3							25.2	25.2		18.3	19.3							
4							24.2	24.2		20.1	20.1							
5							26.3	26.3		19.1	19.1							
6							13.9	13.9		18.2	18.2							
7							20.7	20.7		18.3	18.3							
8							28.2	28.2		17.4	17.4							
9							27.1	27.1		18.0	18.0							
10							23.3	23.3		18.6	18.6							
11							25.2	25.2		12.9	12.8	0.1						
12							27.4	27.4		11.5	11.5							
13							27.3	27.3		11.3	11.3							
14							26.9	26.9		2.6		2.6						
15							22.4	22.4										
16				9.6	9.6		24.0	24.0										
17							20.1	20.1										
18							22.6	22.6										
19							27.0	27.0		5.1	5.1							
20	12.9	12.9					26.6	26.6		11.1	11.1							
21	19.8	19.8					26.9	26.9		12.7	11.9	0.8						
22	20.6	20.6					27.3	27.3		10.2	10.1	0.1						
23	20.3	20.3					27.3	27.3		2.4		2.4						
24	18.2	18.2					28.0	28.0										
25	18.3	18.3					28.7	28.7										
26	17.5	17.5					28.2	28.2										
27	15.5	15.5					28.0	28.0										
28				18.8	18.8		27.9	27.9										
29							28.1	28.1										
30							27.7	27.7										
31							28.1	28.1										
Total	145.1	145.1		28.4	28.4		789.2	789.2		278.2	270.2	8.0						
Acre-feet		288			56			1585			548							
Priority Diverted		288			56			1585			536							
Apport Diverted											12							
Appor diverted to date											12							12
TBI acreage		2307.42			2307.42			2307.42			2307.42			2307.42				2307.42
Apportioned								438			531			531				531
Duty		0.12			0.02			0.68			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							10.4		10.4				5.4	5.4		7.3	7.3		
2													5.1	5.1		8.2	8.2		
3													4.3	4.3		8.5	8.5		
4													1.2	1.2		8.6	8.6		
5							4.5		4.5							8.8	8.8		
6							7.4		7.4							9.0	9.0		
7							4.1		4.1							9.2	9.2		
8																8.6	8.6		
9							1.9		1.9							8.1	8.1		
10							3.3		3.3	4.5		4.5				8.3		8.3	
11							3.2	3.2		6.0		6.0				8.4		8.4	
12							3.8	3.8		4.9		4.9				8.5		8.5	
13							7.6		7.6	4.1		4.1				8.2		8.2	
14							9.3		9.3	3.7		3.7				8.5		8.5	
15							3.4		3.4	3.5		3.5				8.6		8.6	
16										3.7		3.7				8.6		8.6	
17										3.7		3.7				8.5		8.5	
18										3.5		3.5	0.8	0.8		7.0		7.0	
19										3.1		3.1	0.8	0.8		6.4		6.4	
20										3.1		3.1	0.8	0.8		7.7		7.7	
21										4.3		4.3	0.9	0.9		7.6		7.6	
22										6.5		6.5	1.0	1.0		7.6	7.4	0.2	
23										7.0		7.0	0.8	0.8		7.7	7.7		
24										6.8		6.8				14.5	12.8	1.7	
25										6.7		6.7	2.8	2.8		17.6	17.1	0.5	
26										6.8		6.8	7.4	7.4		18.1	18.1		
27										6.5		6.5	6.8	6.8		18.2	18.2		
28										6.3	6.3		6.0	6.0		17.8	17.9		
29				0.7		0.7				6.0	6.0		6.6	6.6		17.9	17.9		
30				1.6		1.6				5.7	5.7		7.2	7.2		17.9	17.9		
31				13.6		13.6				5.9	5.9					17.7	17.7		
Total				15.9		15.9	58.9	7.0	51.9	112.1	23.9	88.2	57.9	57.9		327.7	229.0	98.7	
Acre-feet						32			117			222		115			650	3583	
Priority Diverted									14			47		115			454	3075	
Apport Diverted									103			175					196	518	
Appor diverted to date									147			322		322			518	518	
TBI acreage									2315.34			2315.34		2315.34			2315.34	2315.34	
Apportioned									533			533		533			533	533	
Duty									0.05			0.10		0.05			0.28	1.55	

Diversion from South side of Gila River in NE1/4NW1/4, Sec.1, T.7 S., R.26E. Water-stage recorder and 8 R. Parshall flume located in NW1/4NW1/4, Sec.26, T.6 S., R.26 E., which measure combined flow of Smithville and Dodge-Nevada Canals. Segregation made by Watermaster

Record good

c:\my docs\yearly_rpt\2003\safval03.xls

2003

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	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	14.1	14.1					14.8	14.8		16.4	16.4							
2	14.1	14.1					17.9	17.9		15.2	15.2							
3	14.1	14.1					20.0	20.0		14.7	14.7							
4	5.7	5.7					29.9	29.9		14.8	14.8							
5							29.9	29.9		14.0	14.0							
6							29.9	29.9		13.5	13.5							
7							29.3	29.3		13.6	13.6							
8							25.8	25.8		12.7	12.7							
9							18.7	18.7		12.6	12.6							
10							15.2	15.2		12.7	12.7							
11							15.2	15.2		8.3	6.3	2.0						
12							23.5	23.5		7.2	6.3	0.9						
13							18.9	18.9		7.8	5.2	2.4						
14							23.7	23.7		6.5	1.1	5.4						
15							15.0	15.0		8.5	1.8	4.7						
16	12.8	12.8		6.6	6.6		15.1	15.1		6.2	1.1	5.1						
17	20.0	20.0					14.8	14.8		6.2	0.9	5.3						
18	20.0	20.0					15.1	15.1		6.2	6.2							
19	18.8	18.8					28.9	28.9		6.1	3.0	3.1						
20	15.9	15.9					28.9	28.9		5.4	5.2	0.2						
21	14.6	14.6					28.9	28.9		5.2	5.2							
22	14.9	14.9					28.9	28.9		4.2	4.2							
23	14.9	14.9					28.9	28.9		1.0	1.0							
24	14.8	14.8					28.9	28.9										
25	14.2	14.2					28.9	28.9		0.6	0.6							
26	12.3	12.3					28.9	28.9		0.7	0.7							
27	12.0	12.0					28.9	28.9										
28				14.0	14.0		28.9	28.9										
29							28.9	28.9										
30							28.9	26.3	3.6									
31							24.5	23.7	0.8									
Total	234.2	234.2		20.6	20.6		752.0	747.6	4.4	218.1	189.0	29.1						
Acre-feet		485			41			1492			433							
Priority Diverted		485			41			1493			375							
Apport Diverted								9			58							
Apport diverted to date								9			67							67
TBI acreage		2391.44			2391.44			2391.44			2391.44				2391.44			2391.44
Apportioned								454			550				550			550
Duty		0.19			0.02			0.62			0.18				0.18			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							11.5		11.5				6.2	5.2	1.0	12.5			
2													6.2	6.2		4.0	4.0		
3													6.2	6.2					
4													7.6	7.6					
5							1.8		1.8				7.7	7.3	0.4				
6							3.2		3.2				7.6	7.3	0.3				
7							1.7		1.7				8.7	5.2	3.5				
8							1.6		1.6				8.2	5.2	4.0				
9							1.4		1.4				8.8	8.3	0.5				
10							1.8		1.8				2.7	2.7					
11							1.8	1.8											
12							1.8	1.8											
13							3.3		3.3										
14							4.1		4.1							10.0		10.0	
15							2.3		2.3							10.0		10.0	
16							0.6		0.6							10.0		10.0	
17																10.0		10.0	
18																10.0		10.0	
19																10.0		10.0	
20																10.0		10.0	
21																10.0	0.8	8.2	
22																10.0	3.0	7.0	
23																10.0	7.3	2.7	
24																10.0	6.2	3.8	
25													9.8	9.8		10.0	10.0		
26													12.5	12.5		10.0	10.0		
27													12.5	12.5		10.0	10.0		
28													12.5	12.5		10.0	10.0		
29													12.5	12.5		10.0	10.0		
30							1.1		1.1				10.0	7.3	2.7	10.0	10.0		
31							3.6		3.6				7.7	6.2	1.5	10.0	10.0		
Total				18.6	0.8	11.1	36.9	3.6	33.3	22.1	17.9	4.2	155.5	145.8	9.7	201.8	108.1	92.7	
Acre-feet					33			73			44			308			400	3288	
Priority Diverted					2			7			36			289			216	2914	
Apport Diverted					31			86			8			19			184	375	
Apport diverted to date					98			184			172			191			375	375	
TBI acreage		67			2357.54			2357.54			2357.54			2357.54			2357.54	2357.54	
Apportioned		2391.44			542			542			542			542			542	542	
Duty		950			0.03			0.03			0.02			0.13			0.17	1.40	

2003

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							20.2	20.2		20.0	20.0		4.7						
2							21.0	21.0		18.3	18.3		4.7						
3							20.3	20.3		18.3	18.3		4.7						
4							20.3	20.3		17.0	17.0		4.7						
5							20.0	20.0		17.0	17.0		4.7						
6	10.7	10.7					20.0	20.0		17.4	17.4		4.7						
7	17.3	17.3					18.7	18.7		17.7	17.7		4.7						
8	17.0	17.0					18.4	18.4		17.8	17.8		1.4			1.4			
9	14.7	14.7					21.0	21.0		17.8	17.8								
10	14.9	14.9					22.4	22.4		17.6	17.6								
11	14.6	14.6					20.8	20.8		17.6	11.5	6.1							
12	13.3	13.3					17.9	17.9		13.2	11.5	1.7							
13	14.8	14.8					16.9	16.9		11.3	4.3	7.0							
14	17.1	17.1					16.4	16.4		10.0		10.0							
15	17.4	17.4					16.3	16.3		8.3		8.3							
16	16.6	16.6		3.9	3.9		15.9	15.9		8.8		8.8							
17	16.1	16.1		8.1	8.1		15.5	15.5		8.9		8.9							
18	18.6	18.6					14.8	14.8		7.6	7.6								
19	17.0	17.0					25.2	25.2		7.0	0.4	6.6							
20	15.0	15.0					24.1	24.1		6.3	4.3	2.0							
21	13.9	13.9					17.7	17.7		7.0	4.3	2.7							
22	17.0	17.0					20.1	20.1		9.0	1.2	7.8							
23	16.5	16.5					20.2	20.2		9.4		9.4							
24	16.7	16.7					20.4	20.4		7.6		7.6							
25	17.9	17.9					21.3	21.3		6.1		6.1							
26	15.2	15.2					19.6	19.6		6.7		6.7							
27	8.6	8.6					21.6	21.6		8.5		8.5							
28				15.3	15.3		21.5	21.5		6.7		6.7							
29							21.2	21.2		5.0		5.0							
30							20.8	20.8		4.1		4.1							
31							20.8	20.8											
Total	340.9	340.9		25.3	25.3		613.3	613.3		346.8	224.8	122.0	34.3					34.3	
Acres-feet		676			50			1216			688			68					
Priority Diverted		676			50			1216			446								
Apport Diverted											242			68					
Apport diverted to date											242			310					310
TBI acreage		1752.85			1752.85			1752.85			1752.85			1752.85					1752.85
Apportioned								333			403			403					403
Duty		0.39			0.03			0.89			0.39			0.04					

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.			
1													2.0	2.0		9.5	9.5				
2													2.5	2.5		9.8	9.6				
3													4.6	4.6		9.7	4.1	5.6			
4													5.9	5.9		9.5	9.5				
5													6.5	6.5		9.5	9.5				
6													6.7	6.7		9.7	9.7				
7													6.7	4.1	2.6	9.8	9.8				
8													6.3	4.1	2.2	10.1	10.1				
9													6.2	6.2		10.1	1.2	8.9			
10													6.7	6.7		10.1		10.1			
11													6.6	6.6		8.4		8.4			
12													6.7	6.7		3.6		3.6			
13													7.3	7.3							
14													10.6	10.6							
15													10.6	10.6							
16													11.0	11.0							
17													11.0	11.0							
18													10.8	10.8							
19													10.7	10.7							
20													10.5	10.5							
21													10.4	10.4							
22													9.5	9.5							
23													10.3	10.3							
24													10.3	10.3		5.5	5.5				
25													9.8	9.8		10.5	10.5				
26													9.8	9.8		11.0	11.0				
27													9.7	9.7		11.4	11.4				
28													9.5	9.5		12.6	12.6				
29									2.7	0.3	2.4		9.5	9.5		14.7	14.7				
30									6.1	6.1			9.5	9.5		15.6	15.6				
31									1.8	1.8			9.5	9.5		14.8	14.8				
									1.9	1.9						14.8	14.8				
Total													12.5	10.1	2.4	248.2	243.4	4.8	205.7	168.1	36.6
Acres-feet													25			482			408		3624
Priority Diverted													20			483			335		3226
Apport Diverted													5			10			73		396
Apport diverted to date																325			398		396
TBI acreage		310			310			310			315			1688.75		1688.75			1688.75		1688.75
Apportioned		403			391			391			391			391		391			391		391
Duty					0.05						0.01			0.29		0.24					2.13

Diversions from North side of Gls River in HWY 89W, Sec. 7, T.8 N., R.26 E. Water-stage recorder and 8 ft. Parshall flume located in HWY 89E, Sec. 12, T.8 N., R.24 E.
Recent good

2003

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	12.7	12.7					11.5	11.5		27.2	27.2							
2	12.6	12.6					21.5	21.5		24.0	24.0							
3	12.6	12.6					21.7	21.7		23.2	23.2							
4	12.6	12.6					28.3	28.3		20.6	20.6							
5	12.6	12.6					31.7	31.7		9.4	9.4							
6	12.7	12.7					33.6	33.6		7.2	7.2							
7	7.6	7.6					34.3	34.3		8.0	8.0							
8	8.2	8.2					33.0	33.0		5.9	5.9							
9	4.9	4.9					30.1	30.1		6.0	6.0							
10	8.0	8.0					25.6	25.6		5.8	5.8							
11	11.5	11.5					26.0	26.0		3.6	3.6							
12	12.0	12.0					29.2	29.2		2.3	2.3							
13	12.0	12.0					30.1	30.1		2.0	2.0							
14	12.1	12.1					30.2	30.2		0.9	0.9							
15	12.1	12.1					24.9	24.9		0.9	0.9							
16	12.0	12.0		4.3	4.3		25.3	25.3		0.9	0.9							
17	12.0	12.0					22.3	22.3		0.8	0.8							
18	12.2	12.2					24.7	24.7		0.8	0.8							
19	12.2	12.2					30.9	30.9		0.8	0.8							
20	12.1	12.1					33.5	33.5		4.8	2.7	1.9						
21	12.2	12.2					32.6	32.6		5.8	2.7	2.9						
22	12.1	12.1					32.5	32.5		1.1	1.1							
23	12.0	12.0					34.8	34.8		0.8	0.8							
24	11.8	11.8					33.9	33.9		0.7	0.7							
25	10.6	10.6					34.0	34.0		0.7	0.7							
26	6.0	6.0					33.4	33.4		0.5	0.5							
27	4.8	4.8					34.1	34.1										
28	0.5	0.5		8.2	8.2		34.6	34.6										
29							35.0	35.0										
30							34.7	32.8	1.9									
31							34.2	31.5	2.7									
Total	294.7	294.7		12.5	12.5		923.2	918.6	4.6	164.3	158.5	4.8						
Acra-feet		585			25			1831			326							
Priority Diverted		585			25			1622			316							
Apport Diverted								9			10							
Apport diverted to date								9			19			19				19
TBI acreage		2846.85			2846.85			2846.85			2846.85			2846.85				2846.85
Apportioned								541			655			655				655
Duty		0.21			0.01			0.64			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																12.1	12.1		
2																13.2	13.2		
3										4.1		4.1				15.7	2.7	13.0	
4										8.4		8.4				14.9	14.9		
5										5.9		5.9	0.3	0.3		14.9	14.9		
6										5.3		5.3	1.1	1.1		14.6	14.6		
7										5.1		5.1	1.6	1.6		15.9	15.9		
8										5.7		5.7	1.0	1.0		16.4	4.1	12.3	
9										1.6		1.6				16.4	1.4	15.0	
10										3.1		3.1	0.9	0.9		12.3	1.0	11.3	
11										10.8		10.8	1.9	1.9		8.4		8.4	
12										8.6		8.6	2.4	2.4		8.4		8.4	
13										3.5		3.5	11.6	5.3	6.3	8.3		8.3	
14										2.5		2.5	24.6	24.3	0.3	8.2		8.2	
15										1.4		1.4	22.7	22.7		8.0		8.0	
16										0.9		0.9	21.2	21.2		8.3		8.3	
17										3.8		3.8	20.5	20.5		8.7		8.7	
18										5.1		5.1	20.9	20.9		8.7		8.7	
19										1.7		1.7	20.7	20.7		8.6		8.6	
20										1.9		1.9	20.5	20.5		8.5		8.5	
21										4.3		4.3	20.2	20.2		8.3	1.0	7.3	
22										4.6		4.6	19.8	19.8		8.3	1.0	7.3	
23										1.7		1.7	18.8	18.8		8.3	4.1	4.2	
24										0.6		0.6	18.3	18.3		8.3	4.1	4.2	
25													17.9	17.9		8.3	5.3	3.0	
26													17.4	17.4		8.3	8.3		
27										2.0		2.0	17.1	17.1		8.3	5.9	2.4	
28										1.7	1.0	0.7	15.1	15.1		8.3	8.3		
29													13.2	13.2		8.3	8.3		
30													12.6	12.6		8.3	8.3		
31																8.3	8.3		
Total										95.3	1.0	94.3	342.3	335.7	6.8	321.8	157.7	164.1	
Acra-feet												188		679		638		4273	
Priority Diverted												2		666		313		3729	
Apport Diverted												187		13		325		544	
Apport diverted to date												206		219		544		544	
TBI acreage		2846.85			2813.45			2813.45			2813.45		2813.45		2813.45		2813.45		2813.45
Apportioned		855			647			647			647		647		647		647		647
Duty					0.01						0.07		0.24		0.23		0.23		1.52

Diversions from South Side of Old River in MEKAWW, Sec.4, T.8 S., R.24 E. Water-stage recorder and 6 R. flume located in MEKAWW, Sec.32, T.8 S., R.24 E.
Record good

2003

COLVIN-JONES CANAL: 205.90 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Total																		
Acres-feet																		
Priority Diverted																		
Apport Diverted																		
Apport diverted to date																		
TBI acreage	165.50			165.50			165.50			165.50			165.50			165.50		
Apportioned							31			38			38			38		
Duty																		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total																			
Acres-feet																			
Priority Diverted																			
Apport Diverted																			
Apport diverted to date																			
TBI acreage	165.50																		
Apportioned																			
Duty																			

Diversions from North side of Old River in 88Y.0W1, Sec.26, T.4 S., R.23 E. Water-stage recorder and 2 R. Parshall flume located in 88Y.0W1, Sec.26, T.4 S., R.23 E. Record good

2003

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													2.7	1.0	1.7	3.2	2.7	1.0	1.7	3.2	1.8	1.7	1.8	1.8	
2													3.3	1.6	1.7	3.3	3.3	1.6	1.7	3.3	1.8	1.7	3.1	1.8	
3													3.2	1.6	1.8	3.2	3.2	1.6	1.8	3.2	1.5	1.7	2.9	1.4	
4													3.0	1.6	1.4	2.4	3.0	1.6	1.4	2.4	0.7	1.7	2.9	1.4	
5									1.4		1.4		3.2	1.6	1.6	2.5	3.2	1.6	1.6	2.5	8.8	1.7	3.3	1.8	
6									2.0		2.0		3.2	1.8	1.9	3.3	3.2	1.8	1.9	3.3	1.9	1.7	3.3	1.7	
7									2.8		1.7	8.9	3.2	1.8	1.8	3.2	3.2	1.8	1.8	3.2	1.8	1.8	1.6	1.8	
8									3.1		1.6	1.5	3.3	1.6	1.7	2.9	3.1	1.6	1.7	2.9	1.2	1.6	1.6	1.8	
9									3.1		1.6	1.5	3.2	1.5	1.7	2.8	3.1	1.6	1.5	3.2	1.0	1.8	1.8	0.2	
10									3.1		1.6	1.5	3.4	1.7	1.7	3.3	3.1	1.6	1.5	3.4	1.7	1.6	2.9	0.5	
11									3.1		1.8	1.5	3.2	1.8	1.8	2.2	3.1	1.8	1.5	3.2	1.8	0.8	2.4	1.1	
12									3.1		1.8	1.5	1.3	1.8	0.8	0.7	1.8	3.1	1.8	1.5	1.3	1.8	3.6	2.1	
13									3.2		1.8	1.8	1.8	1.8	1.8	2.1	3.2	1.8	1.8	1.8	2.1		3.6	2.1	
14	1.0			1.0					3.2		1.8	1.8	2.0	1.1	0.9	1.4	3.2	1.8	1.8	2.0	1.4		3.7	2.2	
15	1.8			1.8	0.9		0.9		3.2		0.6	0.3	2.4	1.7	1.7	1.3	3.2	1.8	1.8	2.4	1.3		2.9	2.1	
16	1.8			1.8	1.8			1.8					3.2	1.5	1.7	1.7	3.2	1.5	1.7	1.7	1.7		2.7	2.1	
17	1.8			1.8	1.1			1.1					3.1	1.5	1.8	1.4	3.1	1.5	1.8	1.4	1.4		3.3	2.2	
18	1.8			1.8									3.1	1.5	1.8	1.8	3.1	1.5	1.8	1.8	1.8		3.1	2.2	
19	1.8			1.8					1.7		0.7	1.0	1.1	8.5	0.8	2.0	1.7	0.7	1.0	1.1	2.0		3.7	2.2	
20	1.8			1.8					1.0			1.0				2.0	1.0				2.0		3.7	2.2	
21	1.8			1.8									0.9			0.9	1.8			0.9	1.8		3.7	2.2	
22	1.8			1.8									1.8			1.8	1.8			1.8	1.8		3.7	2.2	
23	1.8			1.8									2.8			1.4	1.8			1.4	1.4		3.8	2.1	
24	1.5			1.5					2.1		1.0	1.1	3.1	1.5	1.6	1.3	2.1	1.5	1.6	1.3	1.3		3.5	2.0	
25	0.7			0.7					3.3		1.8	1.7	3.0	1.4	1.8	2.0	3.3	1.8	1.7	3.0	2.0		3.4	2.0	
26									3.3		1.8	1.7	1.7	1.1	0.8	2.0	3.3	1.8	1.7	1.7	2.0		3.2	1.8	
27	1.0	1.0							3.3		1.9	1.7	0.9	0.9	1.0	1.9	3.3	1.9	1.7	0.9	1.9		3.8	2.2	
28	1.8	1.8							2.7		1.0	1.7	2.5	1.5	1.0	1.9	2.7	1.0	1.7	2.5	1.9		3.8	2.2	
29	1.7	1.7							0.7			3.2	3.2	1.5	1.7	2.8	0.7			3.2	1.7	0.9	2.6	2.2	
30													3.1	1.5	1.8	3.1				3.1	1.5	1.8	2.6	2.0	
31									1.8			1.8		3.1	1.5	1.8	1.8			3.1	1.5	1.8	2.6	2.0	
Total	21.9	4.3		17.6	3.8			3.8	47.9	24.4	23.5	74.7	35.8	38.9	70.5	49.2	21.3	91.8		51.6	40.3				
Acres-feet	43	8		35	7			7	85	48	47	148	71	77	140	98	42	182		102	80				
Diverted to date	43	8		35	51	9		42	148	9	48	89	294	9	119	198	434	9	217	208	618	9	319	288	
TBI acreage	311.4	73.4	152.5	85.5	311.4	73.4	152.5	85.5	311.4	73.4	152.5	85.5	311.4	73.4	152.5	85.5	311.4	73.4	152.5	85.5	311.4	73.4	152.5	85.5	311.4
Duty	0.14	0.12		0.41	0.16	0.12		0.48	0.47	0.12	0.32	1.04	0.94	0.12	0.78	1.94	1.39	0.12	1.42	2.43	1.98	0.12	2.09	3.37	

Day	JUL				AUG				SEP				OCT				NOV				DEC				Totals
	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	3.8		2.1	1.5	2.7		1.2	1.5	1.3				0.5			0.5									
2	3.7		2.2	1.5	3.1		1.8	1.5	0.9			0.9													
3	3.6		2.1	1.5	3.2		1.7	1.5	0.4			0.4													
4	2.0		8.5	1.5	3.5		1.9	1.8	1.1		1.1														
5	2.4		0.9	1.5	3.5		1.9	1.9	3.7		2.7	1.0													
6	2.2		0.7	1.5	3.5		1.9	1.8	4.3		2.7	1.6													
7	2.7		1.2	1.5	3.4		1.8	1.8	4.3		2.7	1.8													
8	2.8		1.2	1.4	3.9		1.8	1.8	2.0		0.4	1.8													
9	1.8		1.2	0.9	2.3		1.8	0.5	0.8			0.8													
10	1.7		0.9	0.8	2.1		2.1		0.5			0.5													
11	0.7		0.7		2.2		2.2		0.5			0.5													
12	1.2		0.7	0.5	2.2		2.2		0.9			0.9													
13	1.4		1.0	0.4	2.1		2.1		1.3			1.3													
14	3.1		1.5	1.8	2.3		2.3		0.7			0.7													
15	3.0		1.5	1.5	0.7		0.7		1.2		1.1	0.1													
16	2.3		1.3	1.8					2.1		2.0	0.1													
17	1.5		1.2	0.3					1.9		1.8	1.8													
18	1.1		1.1		0.4		0.4		1.8		1.8	0.1													
19	1.1		0.7	0.4	1.3		0.5	0.8	1.8		1.8	1.8													
20	0.4		0.4		1.5		0.5	1.0	1.8		1.8	1.8													
21	0.5		0.2	0.3	2.8		1.8	1.2	1.8		1.8	1.8													
22					1.5		1.5	1.8	1.8		1.8	1.8													
23	0.3			0.3	3.2		1.8	1.8	1.8		1.8	1.8													
24					2.7		1.1	1.8	1.8		1.8	1.8													
25					1.8		0.2	1.8	1.8		1.8	1.8													
26					1.3		1.3	1.8	1.8		1.8	1.8													
27	0.9			0.9	0.2		0.1	0.1	1.8		1.8	1.8													
28	2.8		1.2	1.8	0.1		0.1		1.7		1.7	1.7													
29	3.9		2.3	1.8					1.7		1.7	1.7													
30	3.8		2.3	1.8					1.8		1.8	1.8													
31	3.7		2.1	1.8					1.8		1.8	1.8													
Total	58.1	31.2	28.9	57.1	33.4	23.7	49.7	37.8	12.1	0.5	0.5														
Acres-feet	115	82	53	113	66	47	98	75	24	1	1													944	
Diverted to date	731	9	381	341	844	9	447	388	943	9	522	412	944	9	523	412	944	9	523	412	944	9	523	412	944
TBI acreage	311.4	73.4	152.5	85.5	311.4	73.4	152.5	85.5	311.4	73.4	152.														

2003

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	18.1	17.7	17.5	13.3	19.3	20.6	22.6	17.8	12.9	17.9	15.2	15.4
2	17.8	17.7	15.9	20.3	19.5	21.0	24.4	16.5	13.4	17.7	14.5	13.8
3	17.3	17.1	16.6	21.2	12.1	22.0	20.0	18.7	18.7	23.0	21.3	14.7
4	17.3	17.2	13.4	21.0	17.0	20.9	17.8	14.2	20.0	16.9	14.6	13.5
5	17.6	17.2	13.4	20.5	20.9	19.9	20.2	9.3	20.7	17.5	13.8	14.3
6	18.9	16.8	16.5	21.4	20.3	21.2	17.5	8.5	18.2	16.2	14.3	13.1
7	17.5	16.8	12.1	19.1	20.7	21.2	17.9	9.4	20.3	16.8	14.7	14.1
8	17.0	16.9	9.9	15.7	22.0	20.2	16.8	11.9	16.8	14.2	14.7	13.7
9	16.4	16.7	11.0	17.6	21.5	19.5	22.9	17.2	17.2	16.2	14.7	13.2
10	17.3	11.0	13.1	19.3	21.6	19.3	16.2	19.2	21.2	15.8	12.3	13.0
11	17.5	16.6	18.6	10.8	21.4	20.2	16.5	19.1	20.7	16.4	14.8	14.4
12	17.6	15.7	19.5	11.1	21.2	16.4	16.9	15.0	20.9	13.9	14.9	14.0
13	17.4	16.0	19.0	14.7	21.3	17.6	17.0	18.6	20.5	12.4	15.3	14.7
14	17.9	16.2	15.0	17.3	18.3	16.6	18.3	19.6	20.2	13.9	15.6	13.5
15	18.3	11.0	17.2	19.1	18.6	12.9	15.1	19.7	19.9	15.4	15.1	13.3
16	18.5	12.2	17.9	19.3	19.7	18.6	18.7	19.1	18.9	14.5	14.9	14.4
17	13.6	13.5	16.3	17.8	19.5	20.1	18.6	19.6	17.9	15.7	12.5	15.3
18	12.9	12.1	16.4	18.3	19.0	19.5	17.9	20.3	14.8	15.3	11.0	14.9
19	18.9	12.4	15.2	19.5	19.0	20.9	18.1	20.6	16.9	15.6	11.9	14.8
20	18.8	15.9	11.2	20.5	18.2	20.4	17.6	20.0	15.4	15.6	16.2	14.8
21	18.9	15.1	12.7	21.0	18.5	18.9	18.3	20.2	16.2	15.3	14.7	11.8
22	18.7	15.3	16.3	21.1	18.6	19.0	16.9	17.4	15.8	15.8	17.7	18.3
23	18.8	16.4	16.3	21.3	20.0	20.3	11.7	18.0	16.4	15.6	12.5	15.7
24	18.2	17.4	17.2	21.2	18.7	19.4	17.9	19.7	20.0	15.6	14.2	14.9
25	18.1	17.0	19.3	21.1	20.7	19.4	18.8	17.6	17.9	15.3	14.9	15.0
26	17.9	17.1	14.2	20.9	20.4	17.5	16.3	21.0	16.4	15.7	14.2	14.2
27	17.8	17.0	20.0	20.9	20.4	16.0	15.9	20.4	16.7	15.1	15.0	13.8
28	17.9	16.9	12.5	21.4	21.8	17.0	16.6	18.5	17.1	15.0	14.3	13.7
29	17.8	10.4	21.2	21.6	20.1	19.2	19.6	17.3	15.3	10.5	13.7	13.7
30	17.7	12.0	21.2	21.5	21.4	17.5	20.0	17.4	14.8	15.4	13.7	13.7
31	18.6	18.3	21.6	17.8	19.7	13.8	17.8	19.7	15.4	13.8	13.8	13.8
Total CFS	547	438.9	474.9	569.1	614.9	578	557.9	546.4	536.7	489.8	435.7	441.5
Total Acre-feet	1085	871	942	1129	1220	1146	1107	1084	1065	972	864	876
<u>ASARCO Reported Ac-ft</u>												
Reported	1084	870	942	1130	1220	1147	1106	1083	1078	958	852	866
Reported Year-to-Date	1084	1954	2896	4026	5246	6393	7499	8582	9660	10618	11470	12336
<u>Tabulations in Ac-ft</u>												
Allocation diverted	1085	871	942	1129	1220	1146	1107	1084	1065	972	864	876
Previous Alloc. div	1085	1085	1956	2898	4027	5247	6393	7500	8584	9649	10621	11485
Alloc. div to date	1085	1956	2898	4027	5247	6393	7500	8584	9649	10621	11485	12361
Article IX_ Allocation	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221	16221
Allocation Remaining	15136	14265	13323	12194	10974	9828	8721	7637	6572	5600	4736	3860

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

2003

KEARNY ARIZONA: 101.73 acres

Mean daily diversions, cubic feet per second

Day	Jan				Feb				Mar				Apr				May				Jun			
	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth
1	0.27	0.27			0.32			0.32	0.19			0.19	0.52	0.52			0.69	0.69			0.90			0.90
2	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
3	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
4	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
5	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
6	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
7	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
8	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
9	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
10	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
11	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90			0.90
12	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90	0.19		0.70
13	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90	0.19		0.70
14	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90	0.19		0.70
15	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.52			0.69	0.69			0.90	0.19		0.70
16	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.30	0.22		0.69	0.69			0.90	0.19		0.70
17	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.30	0.22		0.69	0.69			0.90	0.19		0.70
18	0.27	0.27			0.32	0.32		0.32	0.19	0.19			0.52	0.10	0.42		0.69	0.69			0.90	0.19		0.70
19	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.10	0.42		0.69	0.69			0.90	0.19		0.70
20	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.10	0.42		0.69	0.69			0.90	0.19		0.70
21	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.30	0.22		0.69	0.69			0.90	0.19		0.70
22	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.30	0.22		0.69	0.69			0.90	0.19		0.70
23	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.30	0.22		0.69	0.69			0.90	0.19		0.70
24	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.30	0.22		0.69	0.69			0.90	0.19		0.70
25	0.27	0.27			0.32			0.32	0.19	0.19			0.52	0.10	0.42		0.69	0.69			0.90	0.19		0.70
26	0.27	0.27			0.31			0.31	0.19	0.19			0.52	0.10	0.42		0.69	0.69			0.90	0.19		0.70
27	0.27	0.27			0.31			0.31	0.19	0.19			0.52	0.10	0.42		0.69	0.69			0.90	0.19		0.70
28	0.27	0.27			0.31			0.31	0.19	0.19			0.52	0.10	0.42		0.69	0.69			0.90	0.19		0.70
29	0.28	0.28			0.28			0.28	0.19	0.19			0.52	0.52			0.69	0.69			0.90	0.19		0.70
30	0.28	0.28			0.28			0.28	0.19	0.19			0.52	0.52			0.69	0.69			0.90	0.19		0.70
31	0.28	0.28			0.28			0.28	0.19	0.19			0.52	0.52			0.69	0.69			0.90	0.19		0.70
Total	8.4	7.8			8.8	8.8	0.3	8.8	5.9	5.7		0.2	15.8	18.3	5.3		21.4	6.2	15.2	24.0	0.6		23.4	
Acres-feet		17				18				12				31			42				48			
Priority Diverted		18				1				11				20							1			
Apport Diverted														11							23			
Appor diverted to date														11							23			
Unauthorized diversions		1				17				101.73				30							46			
TBI acreage		101.73				101.73				101.73			101.73				101.73				101.73			
Apportioned						19				23				23							23			
Duty		0.18				0.19				0.12				0.30							0.41			

DAY	Jul				Aug				Sep				Oct				Nov				Dec				Totals
	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	Total	Priority	Apport	Unauth	
1	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
2	0.90			0.90	0.65			0.65	0.61	0.10		0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
3	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
4	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
5	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
6	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
7	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
8	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
9	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
10	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
11	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.24			
12	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.19		0.14	
13	0.90			0.90	0.65			0.65	0.61	0.61			0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
14	0.90			0.90	0.65			0.65	0.61	0.61			0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
15	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
16	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
17	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
18	0.90			0.90	0.65			0.65	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
19	0.90			0.90	0.66			0.66	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
20	0.90			0.90	0.66			0.66	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
21	0.90			0.90	0.66			0.66	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
22	0.90			0.90	0.66			0.66	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24			0.24	
23	0.90			0.90	0.66			0.66	0.61			0.61	0.47	0.27	0.27		0.47	0.27	0.27		0.24	0.10		0.14	
24	0.90			0.90	0.66			0.66	0.61			0.61	0.47	0.28	0.28		0.47	0.28	0.28		0.24	0.24			
25	0.90			0.90	0.66			0.66	0.61			0.61	0.47	0.28	0.28		0.47	0.28	0.28		0.24	0.24			
26	0.90			0.90	0.66			0.66	0.61			0.61	0.48	0.28	0.28		0.48	0.28	0.28		0.24	0.24			
27	0.90			0.90	0.66			0.66	0.61			0.61	0.48	0.30	0.30		0.48	0.30	0.30		0.24	0.2			

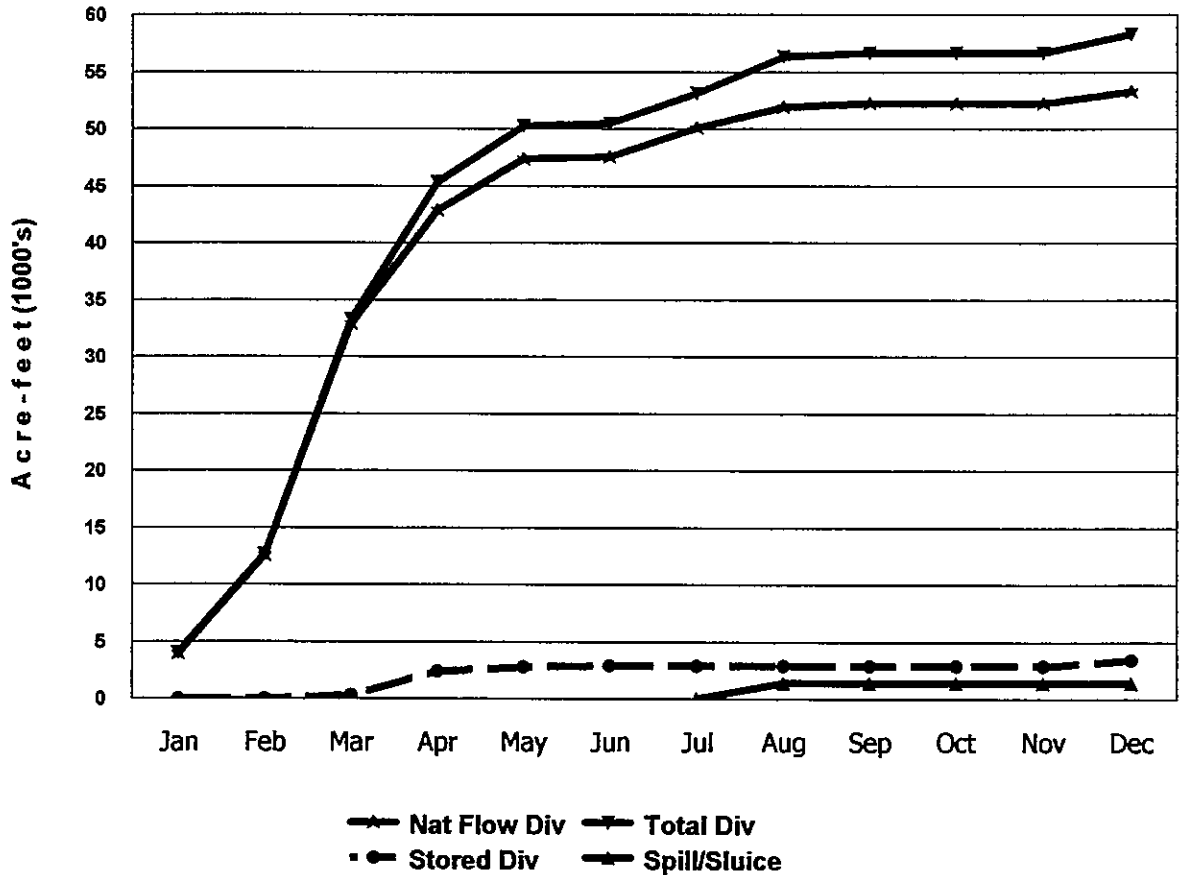
2003

**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	3,999	38	4,037	4,037	
Feb	12,623	38	12,661	12,661	
Mar	32,972	381	33,353	33,353	
Apr	42,915	2,476	45,391	45,391	
May	47,429	2,867	50,296	50,296	
Jun	47,692	2,952	50,644	50,644	
Jul	50,153	2,952	53,105	53,170	65
Aug	51,946	2,952	54,898	56,371	1,473
Sep	52,305	2,952	55,257	56,730	1,473
Oct	52,305	2,952	55,257	56,730	1,473
Nov	52,305	2,952	55,257	56,730	1,473
Dec	53,358	3,521	56,879	58,352	1,473

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

2003

JANUARY

T.B.I. Acres - 32,881.48

FEBRUARY

T.B.I. Acres - 39,086.07

MARCH

T.B.I. Acres - 40,820.61

2003	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	62		62			
2	61		61			
3	61		61			
4	63		63			
5	63		63			
6	63		63			
7	63		63			
8	70		70			
9	78		78			
10	80		80			
11	83		83			
12	83		83			
13	83	3	80			
14	83	8	75			
15	84	1	83			
16	78		78			
17	68		68			
18	68		68			
19	68		68			
20	63		63			
21	61		61			
22	60		60			
23	68		68			
24	68		68			
25	57		57			
26	57		57			
27	56	3	52			
28	54	4	50			
29	54		54			
30	52		52			
31	47		47			
Total	2035	19	2016			
Ac-ft	4037	38	3999			
To Date	4037	38	3999			
Duty	0.12					

2003	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	58		58			
2	74		74			
3	74		74			
4	76		76			
5	78		78			
6	79		79			
7	85		85			
8	90		90			
9	94		94			
10	94		94			
11	93		93			
12	97		97			
13	112		112			
14	238		238			
15	148		148			
16	131		131			
17	127		127			
18	127		127			
19	130		130			
20	133		133			
21	163		163			
22	170		170			
23	170		170			
24	160		160			
25	162		162			
26	230		230			
27	487		487			
28	657		657			
29						
30						
31						
Total	4348		4348			
Ac-ft	8624		8624			
To Date	12661	38	12623			
Duty	0.22					

2003	Diverter			Passing Dam		
	Total	Stored	Nat Flow	Spill	Sluice	
1	588		588			
2	430		430			
3	388		388			
4	340		340			
5	360		360			
6	336		336			
7	366		366			
8	351	18	335			
9	314	13	301			
10	276		276			
11	238		238			
12	227		227			
13	224		224			
14	223	2	221			
15	222	16	207			
16	231	22	209			
17	240	12	228			
18	224		224			
19	223	2	221			
20	222	16	207			
21	231	22	209			
22	240	12	228			
23	224		224			
24	223	2	221			
25	222	16	207			
26	231	22	209			
27	240	12	228			
28	224		224			
29	223	2	221			
30	222	16	207			
31	231	22	209			
Total	404		404			
Ac-ft	400		400			
To Date	391		391			
Duty	381		381			
	377	10	387			
	376	3	373			
	374		374			
	371		371			
	368	10	358			
	362	33	329			
	345	37	308			
Total	10432	173	10259			
Ac-ft	20862	343	20349			
To Date	33353	381	32872			
Duty	0.61					

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...

DETERMINATION OF PRIORITY WATER

JANUARY 2003

Mean daily discharge - cubic feet per second

2003	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.	Virden	Safford	Winkelman	Ashurst-Hayden
JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN	JAN
1	84	75	75	9	28	62	82	62	-13	71	1924	1924	1924	1924	1924	
2	83	76	76	7	-85	61	81	61	-15	68	"	"	"	"	"	
3	89	76	76	13		61	61	61	-15	74	"	"	"	"	"	
4	96	76	76	20	-58	63	63	63	-13	83	"	"	"	"	"	
5	101	75	75	26		63	63	63	-12	89	"	"	"	"	"	
6	103	74	74	29	58	63	63	63	-11	92	1892	1892	1892	1892	1892	
7	102	87	87	15	29	63	63	63	-24	78	1924	1892	1892	1892	1892	
8	98	96	96	2	-141	70	70	70	-28	72	1886	1924	1892	1892	1892	
9	97	95	95	2	56	78	78	78	-17	80	1899	1888	1892	1892	1892	
10	95	95	95			80	80	80	-15	80	1901	1899	1924	1924	1924	
11	96	94	94	2	-28	83	83	83	-11	85	1924	1901	1888	1888	1888	
12	95	94	94	1	-58	83	83	83	-11	84	1903	1924	1899	1899	1899	
13	91	94	91	3	-57	80	83	80	-11	80	1924	1903	1801	1801	1901	
14	85	94	85	9	-58	83	83	83	-10	75	1904	1924	1924	1924	1924	
15	81	82	81	1		83	84	83	2	83	1924	1804b	1903	1903	1903	
16	78	73	73	5	-58	78	78	78	3	81	1924	1924	1924	1924	1924	
17	79	73	73	6	-28	69	69	69	-4	75	"	"	1904	1904	1904	
18	74	73	73	1		68	68	68	-5	69	"	"	1924	1924	1924	
19	73	66	66	7	-28	66	66	66	3	73	1896	"	"	"	"	
20	78	60	60	18		63	63	63	3	81	1901	1896	"	"	"	
21	80	60	60	20		61	61	61	1	81	1904	1901	"	"	"	
22	82	60	60	22		60	60	60	-2	82	1903	1904b	1896	1896	1896	
23	77	60	60	17		58	58	58	-2	75	1904	1903	1901	1901	1901	
24	69	61	61	8		58	58	58	-3	66	"	1904b	1804	1804	1904	
25	67	61	61	6		57	57	57	-4	63	1892	"	1903	1903	1903	
26	61	61	61	28	-28	57	57	57	-4	57	1891	1892	1804	1904	1904	
27	56	59	56	3	-58	55	55	55	-4	52	1875	1891	"	"	"	
28	54	58	54	4	-28	50	54	50	-4	50	1873	1875	1892	1892	1892	
29	58	53	53	5	-28	54	54	54	1	59	1845	1873	1891	1891	1891	
30	78	49	49	29	-28	52	52	52	3	81	"	1845	1875	1875	1875	
31	113	77	77	36		47	47	47	-30	83	"	"	1873	1873	1873	
31	120	94	94	28	-28											

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

FEBRUARY 2003

Mean daily diversions - cubic feet per second

2003	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM					
	RELEASES		STORAGE		Spilled and/or Spilled	Diversed	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR		Ashurst-Hayden	
	Total	Natural Flow	Inflow minus Outflow	Ac-ft change							Duncan	Safford		Winkelman
River Inflow				FEB										
JAN 31	120	94	26	-28	1	58	58	58	-36	84	1	Immem	Immem	Immem
FEB 1	125	99	26	-112	2	74	74	74	-25	100	2	"	"	"
2	129	104	25	56	3	74	74	74	-30	99	3	"	"	"
3	127	106	21	28	4	76	76	76	-30	97	4	"	"	"
4	129	106	23	28	5	78	78	78	-28	101	5	"	"	"
5	130	111	19	-28	6	79	79	79	-32	98	6	"	"	"
6	130	117	13	-28	7	85	85	85	-32	98	7	"	"	"
7	133	117	16	-28	8	90	90	90	-27	106	8	"	"	"
8	139	117	22	-28	9	94	94	94	-23	116	9	"	"	"
9	142	117	25	28	10	94	94	94	-23	119	10	"	"	"
10	146	119	27	28	11	93	93	93	-26	120	11	"	"	"
11	146	122	24	28	12	97	97	97	-25	121	12	"	"	"
12	147	131	16	224	13	112	112	112	-19	128	13	"	"	"
13	156	141	15	168	14	239	239	239	98	254	14	1876	1876	1876
14	171	143	28	188	15	148	148	148	5	176	15	1893	1876	1876
15	171	142	29		16	131	131	131	-11	160	16	1875	1893	1893
16	232	141	91	28	17	127	127	127	-14	218	17	Immem	1875	1876
17	202	142	60	113	18	127	127	127	-15	187	18	"	Immem	1893
18	226	142	84	28	19	130	130	130	-12	214	19	"	"	1875
19	224	176	48	28	20	133	133	133	-43	181	20	"	"	Immem
20	216	197	19	-28	21	163	163	163	-34	182	21	"	"	"
21	208	197	11	-28	22	170	170	170	-27	181	22	"	"	"
22	197	185	12	-28	23	170	170	170	-15	182	23	"	"	"
23	194	176	18	56	24	160	160	160	-16	178	24	"	"	"
24	184	175	18	-56	25	162	162	162	-13	181	25	"	"	"
25	192	191	1	112	26	230	230	230	39	231	26	"	"	"
26	225	203	22	227	27	497	497	497	284	519	27	1897	1897	1897
27	505	203	302	85	28	657	657	657	454	959	28	1915	1897	"
28	953	203	750	598										

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

DETERMINATION OF PRIORITY WATER

MARCH 2003

Mean daily discharge - cubic feet per second

2003	SAN CARLOS RESERVOIR						ASHURST-HAYDEN DAM					DAILY CALL SYSTEM										
	River Inflow	RELEASES			STORAGE		MAR	ASHURST-HAYDEN DAM				COMPUTED PRIORITY YEAR		Duncan		Winkelman		Ashurst-Hayden				
		Total	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change		Spilled and/or	Diverted	Stored	Natural Flow	Gain/Loss Nat.LFlow	Nat. Flow Available to Project	Virten	Safford	1915	1845	1915	1897	1915	1915	
FEB 28	953	203	203	750	588	1	588	588	588	385	1338	1	1924	1915	1845	1845						
MAR 1	1481	210	210	1281	1215	2	430	430	430	220	1711	2		1924	1897	1897						
MAR 2	445	210	210	235	852	3	368	368	368	158	603	3			1915	1915						
MAR 3	491	254	254	237	387	4	340	340	340	86	577	4	1921		1924	1924						
MAR 4	387	337	337	30	149	5	360	360	360	23	390	5										
MAR 5	357	323	323	34	59	6	336	336	336	13	370	6										
MAR 6	445	383	383	82		7	355	355	355	-8	437	7	1916			1921					1921	
MAR 7	338	356	338	18	-18	8	351	351	351	-3	335	8	1912	1916								
MAR 8	301	316	301	15	-15	9	314	314	314		301	9	1908	1912								
MAR 9	288	264	264	4		10	276	276	276	12	280	10	1908	1908	1916	1916					1916	
MAR 10	257	243	243	14	30	11	238	238	238	-5	252	11	1915	1908	1912	1912					1912	
MAR 11	284	242	242	22		12	227	227	227	-15	249	12	1912	1915	1906	1906					1906	
MAR 12	252	242	242	10		13	224	224	224	-18	234	13	1914	1912	1908	1908					1908	
MAR 13	241	243	241	2	28	14	223	223	221	-20	221	14	1904	1914	1915	1915					1915	
MAR 14	226	243	226	17	-17	15	222	222	215	-19	207	15	1908	1904a	1912	1912					1912	
MAR 15	218	243	218	25	-25	16	231	231	222	-9	209	16	1902	1908	1914	1914					1914	
MAR 16	229	243	229	14		17	240	240	228	-1	228	17	1906	1902	1904a	1904a					1904a	
MAR 17	477	243	243	234		18	273	273	273	30	507	18	1924	1906	1906	1906					1906	
MAR 18	960	312	312	648	511	19	306	306	306	-8	954	19		1924	1902	1902					1902	
MAR 19	747	376	376	371	423	20	381	381	381	5	752	20			1906	1906					1906	
MAR 20	645	395	395	250	609	21	404	404	404	9	654	21			1924	1924					1924	
MAR 21	584	396	396	188	337	22	400	400	400	4	588	22										
MAR 22	488	398	398	102	277	23	391	391	391	-5	493	23	1921									
MAR 23	430	396	396	34	93	24	381	381	381	-15	415	24			1921							
MAR 24	385	396	385	11	-62	25	367	367	367	-18	367	25										
MAR 25	392	395	392	3	-82	26	376	376	373	-19	373	26										
MAR 26	416	395	395	21	-83	27	374	374	374	-21	395	27										
MAR 27	411	395	395	16	-154	28	371	371	371	-24	387	28										
MAR 28	383	394	383	11	-11	29	358	358	358	-25	358	29	1915									
MAR 29	348	385	348	37	-367	30	362	362	329	-19	329	30	1914		1915							
MAR 30	314	356	314	42	-122	31	345	345	308	-6	308	31	1912		1914							
MAR 31	280	315	280	25	-25																	

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

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

DETERMINATION OF PRIORITY WATER

APRIL 2003

Mean daily discharge - cubic feet per second

2003	SAN CARLOS RESERVOIR										ASHURST-HAYDEN DAM					DAILY CALL SYSTEM COMPUTED PRIORITY YEAR				
	RELEASES			STORAGE			Spilled and/or	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	Virdan	Safford	Winkelman	Ashurst-Hayden				
	River Inflow	Total	Natural Flow	Inflow minus Outflow	Ac-ft change	9 C Res.											APR	APR	APR	APR
MAR 31	280	315	290	25	-25	-61	1	313	22	291	1	1908	1912	1915	1915	1915				
APR 1	247	280	247	33	-33	-31	2	276	29	247	2	"	"	1914	1914	1914				
2	231	255	231	24	-24	-152	3	250	21	229	-2	"	"	1912	1912	1912				
3	216	238	216	20	-20	-30	4	233	18	215	-1	1896	"	1906	1906	1906				
4	201	217	201	18	-18	-31	5	214	14	200	-1	1894	1896	"	"	"				
5	189	210	189	11	-11	-91	6	200	10	190	-9	"	1894	"	"	"				
6	199	211	199	12	-12	-30	7	196	11	185	-14	1880	"	1896	1896	1896				
7	192	212	192	20	-20	-20	8	194	18	176	-16	"	1890	1894	"	1894				
8	187	261	187	74	-74	-242	9	200	65	135	-52	1912	"	"	"	"				
9	184	286	184	112	-112	-211	10	241	99	142	-42	1884	1912	1890	1890	1890				
10	174	296	174	122	-122	-241	11	247	107	140	-34	"	1884	"	"	"				
11	172	294	172	122	-122	-240	12	248	107	141	-31	1883	"	1912	1912	1912				
12	178	293	178	115	-115	-238	13	249	101	148	-30	1879	1883	1884	1884	1884				
13	177	293	177	116	-116	-268	14	251	102	149	-28	1880	1879	"	"	"				
14	171	293	171	122	-122	-286	15	260	107	153	-18	1879	1880	1883	1883	1883				
15	182	306	182	124	-124	-295	16	266	109	157	-25	1877	1879	1879	1879	1879				
16	182	219	182	27	-27	-58	17	240	24	216	24	1915	1877	1880	1880	1880				
17	207	235	207	28	-28	-147	18	189	25	164	-43	1881	1915	1879	1879	1879				
18	215	218	215	3	-3	-59	19	213	3	210	-5	1883	1881	1877	1877	1877				
19	218	183	183	35	35	88	20	172	172	172	-11	"	1883	1915	1915	1915				
20	206	183	183	23	23	88	21	161	161	161	-22	1882	"	1881	1881	1881				
21	190	208	190	18	-18	-88	22	164	16	148	-42	1879	1882	1883	1883	1883				
22	183	221	183	38	-38	-147	23	189	33	156	-27	"	1879	"	"	"				
23	189	186	169	17	-17	-116	24	179	15	164	-5	1877	"	1882	1882	1882				
24	174	148	148	26	26	58	25	148	148	148	174	1879	1879	1879	1879	1879				
25	169	132	132	37	37	58	26	128	128	128	-4	1875	1879	"	"	"				
26	169	132	132	37	37	29	27	118	118	118	-14	1876	1875	1877	1877	1877				
27	163	132	132	31	31	29	28	111	111	111	-142	1846	1876	1879	1879	1879				
28	165	132	132	33	33	29	29	109	109	109	-23	1872	1846	1875	1875	1875				
29	159	132	132	27	27	-58	30	110	110	110	-22	Immem	1872	1876	1876	1876				
30	158	132	132	26	26															

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

MAY 2003

Mean daily discharge - cubic feet per second

2003	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM					
	RELEASES		STORAGE		Sluiced and/or 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	Duncan Virden	Safford
APR 30	158	132	132	26							Immern	Immern	1846	1846
MAY 1	157	132	132	25	-29	111	111	-21	137	1	Immern	Immern	1846	1846
MAY 2	156	132	132	24	-117	113	113	-19	138	2	"	"	1872	1872
MAY 3	153	131	131	22		114	114	-18	138	3	"	"	Immern	Immern
MAY 4	148	130	130	18		116	116	-15	138	4	"	"	"	"
MAY 5	145	117	117	28		117	117	-13	135	5	"	"	"	"
MAY 6	144	115	115	28	-29	120	120	-4	148	6	"	"	"	"
MAY 7	136	126	126	10	-29	111	111	-12	124	7	"	"	"	"
MAY 8	129	126	126	3	-116	114	114	-12	124	8	"	"	"	"
MAY 9	127	126	126	1	-116	121	121	-3	124	9	"	"	"	"
MAY 10	122	126	122	4	-58	123	123	-3	124	10	"	"	"	"
MAY 11	122	126	122	4	-29	119	119	-7	115	11	"	"	"	"
MAY 12	121	126	121	5	-116	115	115	-8	115	12	"	"	"	"
MAY 13	115	119	115	4	-58	118	118	-7	115	13	"	"	"	"
MAY 14	107	108	107	1	-58	119	119	-8	115	14	"	"	"	"
MAY 15	100	99	99	1	-144	108	108	-7	107	15	"	"	"	"
MAY 16	92	101	92	9	-29	92	92	-20	93	16	"	"	"	"
MAY 17	85	101	85	16	-16	80	80	-20	72	17	"	"	"	"
MAY 18	77	101	77	24	-144	74	74	-25	60	18	"	"	"	"
MAY 19	71	95	71		-24	68	68	-30	47	19	"	"	"	"
MAY 20	65	92	65	-27	-86	64	64	-31	64	20	"	"	"	"
MAY 21	62	85	62	-23	-86	56	56	-36	56	21	"	"	"	"
MAY 22	60	79	60	-19	-114	52	52	-33	52	22	"	"	"	"
MAY 23	57	69	57	-19	-114	47	47	-32	47	23	"	"	"	"
MAY 24	56	61	56	-5	-189	42	42	-27	42	24	"	"	"	"
MAY 25	52	56	52	-4	-28	37	37	-24	37	25	"	"	"	"
MAY 26	48	53	48	-5	-114	30	30	-26	30	26	"	"	"	"
MAY 27	45	48	45	4	-28	25	25	-28	25	27	"	"	"	"
MAY 28	38	46	38	8	-8	20	20	-30	18	28	"	"	"	"
MAY 29	34	45	34	11	-11	15	15	-32	8	29	"	"	"	"
MAY 30	32	45	32	13	-13	12	12	-32	2	30	"	"	"	"
MAY 31	30	44	30	14	-14	11	11	-32	2	31	"	"	"	"

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

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

DETERMINATION OF PRIORITY WATER

AUGUST 2003

Mean daily discharge - cubic feet per second

2003	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				
	RELEASES		STORAGE		Spilled	Diversed	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR		Ashurst-Hayden
	River Inflow	Total	Natural Flow	Stored							Inflow minus Outflow	Ac-ft change S.C. Res.	
JUL 31	35												
AUG 1	6												
AUG 2	3												
AUG 3	1												
AUG 4													
AUG 5													
AUG 6													
AUG 7													
AUG 8													
AUG 9													
AUG 10													
AUG 11													
AUG 12													
AUG 13													
AUG 14													
AUG 15													
AUG 16													
AUG 17													
AUG 18													
AUG 19													
AUG 20													
AUG 21													
AUG 22	15												
AUG 23													
AUG 24													
AUG 25	3												
AUG 26													
AUG 27	2												
AUG 28	1												
AUG 29	2												
AUG 30													
AUG 31													

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

SEPTEMBER 2002

Mean daily discharge - cubic feet per second

2003		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM							
		RELEASES		STORAGE		Spilled and/or		Natural Flow		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR					
River	Inflow	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change	Sep	Spilled	Diverted	Stored	Natural Flow	Gain/Loss	Nat. Flow Available to Project	Sep	Duncan Virden	Safford	Winkelman	Ashurst-Hayden
AUG 31																	
1					-25	1		4		4	4	4	1	Immem	Immem	Immem	Immem
2					-25	2		1		1	1	1	1	"	"	1877	1877
3					-49									"	"	Immem	Immem
4	2			2	-49									"	"	"	"
5					-74									"	"	"	"
6					-24									"	"	"	"
7					-49			138		138	138	138	138	"	"	"	"
8					-25			38		38	38	38	38	"	"	"	"
9					147									"	"	"	"
10	72			72	147								72	1924			
11	2040			2040	-24							2040	2040	"	1924		
12	905			905								905	905	Immem			
13	80			80	246							80	80	"	1924	1924	1924
14	33			33	323							33	33	"			
15	18			18	75							18	18	"			
16	18			18	50							18	18	"			
17	20			20	-25							20	20	"			
18	16			16	-25							16	16	"			
19	9			9	-50							9	9	"			
20	5			5	-25							5	5	"			
21	2			2	-25							2	2	"			
22	2			2	-99							2	2	"			
23	1			1								1	1	"			
24	1			1	-50							1	1	"			
25	1			1	25							1	1	"			
26	1			1	25							1	1	"			
27	1			1								1	1	"			
28	1			1	-25							1	1	1885			
29					-25									Immem			
30					-50									"	1885		

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

OCTOBER 2003

Mean daily discharge - cubic feet per second

		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM										
		RELEASES		STORAGE		Spilled and/or		Natural Flow		COMPUTED PRIORITY YEAR										
		River Inflow	Total Flow	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change	S C Res.	OCT	Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	OCT	Duncan Virden	Safford	Winkelman	Ashurst-Hayden
2003	SEP 30																			
	OCT 1						-50		1								1885	Immern	Immern	1885
	OCT 2						-49		2								"	"	"	Immern
	OCT 3								3								"	"	"	"
	OCT 4						-74		4								"	"	"	"
	OCT 5						-124		5								"	"	"	"
	OCT 6						-49		6								"	"	"	"
	OCT 7								7								"	"	"	"
	OCT 8								8								"	"	"	"
	OCT 9						49		9								"	"	"	"
	OCT 10								10								"	"	"	"
	OCT 11						-24		11								"	"	"	"
	OCT 12						-25		12								"	"	"	"
	OCT 13						-24		13								"	"	"	"
	OCT 14	1							14	1					1		"	"	"	"
	OCT 15	1							15	1					1		"	"	"	"
	OCT 16						-25		16								"	"	"	"
	OCT 17						-49		17								"	"	"	"
	OCT 18						-24		18								"	"	"	"
	OCT 19						-49		19								"	"	"	"
	OCT 20						-25		20								"	"	"	"
	OCT 21						-24		21								"	"	"	"
	OCT 22						-25		22								"	"	"	"
	OCT 23						-24		23								"	"	"	"
	OCT 24								24								"	"	"	"
	OCT 25						-122		25								"	"	"	"
	OCT 26						-73		26								"	"	"	"
	OCT 27						-73		27								1881	1881	"	"
	OCT 28						-24		28								1890	1890	"	"
	OCT 29						-87		29								1885	1885	"	"
	OCT 30						-24		30								1884	1885	1881	1881
	OCT 31						-24		31								1883	1884	1890	1890

12% transit loss on daily Stored releases...

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

DETERMINATION OF PRIORITY WATER

NOVEMBER 2003

Mean daily discharge - cubic feet per second

2003		SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM								
		RELEASES		STORAGE		Stuiced and/or Spilled		Natural Flow		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR						
		River Inflow	Total Flow	Natural Flow	Stored	Inflow minus Outflow	Ac-ft change S C Res.	NOV	NOV	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	Duncan Virdan	Safford	Winkelman	Ashurst-Hayden
OCT 31																		
NOV 1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		

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

DETERMINATION OF PRIORITY WATER

DECEMBER 2003

Mean daily discharge - cubic feet per second

2003	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				
	RELEASES		STORAGE		Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat.Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR		Ashurst-Hayden
	River Inflow	Total	Natural Flow	Stored							Inflow minus Outflow	Ac-ft change	
NOV 30													
DEC 1	27				27					27	1924	1924	1924
DEC 2	34				34					34	1924	1924	1924
DEC 3	43				43					43	1883	1883	1883
DEC 4	47			24	47					47	1924	1924	1924
DEC 5	42			25	42					42	1924	1924	1883
DEC 6	38			24	38					38	1924	1924	1924
DEC 7	38				38					38	1884	1884	1884
DEC 8	43			25	43					43	1882	1882	1882
DEC 9	92	45	47	-147	47				-45		1878	1882	1884
DEC 10	50	127	50	-172	77				-49		1882	1878	1882
DEC 11	49	124	49	-171	75				-50		1882	1882	1882
DEC 12	50	124	50	-340	74				-50		1882	1882	1878
DEC 13	63	124	63	-81	61				-63	15	1882	1882	1882
DEC 14	73	124	73	-169	51				-73	15	1882	1882	1882
DEC 15	78	124	79	-121	45			2	-77	2	1882	1882	1882
DEC 16	79	122	79	-217	43			2	-77	2	1882	1882	1882
DEC 17	84	122	84	-215	38			14	-70	14	1882	1882	1882
DEC 18	86	122	86	-96	38			32	-68	20	1882	1882	1882
DEC 19	89	122	89	-143	33			29	-62	27	1882	1882	1882
DEC 20	88	122	88	-120	34			30	-58	30	1882	1882	1882
DEC 21	89	100	89	-71	11			10	-37	52	1881	1877	1881
DEC 22	87	85	85	2				51	-34	53	1885	1881	1889
DEC 23	85	85	85	-85				44	-41	44	1884	1885	1877
DEC 24	76	85	76	-118	9			36	-40	36	1884	1884	1881
DEC 25	71	85	71	-85	14			12	-38	33	1884	1884	1885
DEC 26	66	85	66	-19	19			17	-35	31	1890	1924	1884
DEC 27	62	85	62	-23	23			20	-32	30	1895	1890	1888
DEC 28	82	85	82	-94	3			3	-33	49	1924	1885	1924
DEC 29	85	34	34		51			52	18	103	1924	1890	1890
DEC 30	88			71	88			40	40	128	1895	1895	1895
DEC 31	91			118	91			18	18	109	1924	1924	1924

12% transit loss on daily Stored releases...

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

RELATIVE DIVERSION RIGHT FOR DUNCAN VALLEY

Based on one cubic foot per second for each eighty acres

THEN BEING IRRIGATED

Year	Sunset		New Model		Valley		TBI 2003		Colimero		Sexton		R. Sexton		York		F. E. Ross		York Gattie		J H Brown		R K Davis		Laura Short		Albert		Total		
	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	Decreed	TBI 2003	
1874	6.3	5.7																													
1881	12.1	10.9																													
1882	13.2	11.9																													
1884																															
1885	15.5	13.9																													
1886																															
1887	16.1	14.5																													
1888																															
1889																															
1891	16.5	14.8																													
1892	17.7	15.9																													
1893	17.8																														
1894																															
1896	19.8	17.8																													
1896	21.0	18.9																													
1897	21.1	19.0																													
1898	24.4	21.9																													
1900	27.6	24.8																													
1901																															
1902																															
1903																															
1904	28.5	25.6																													
1905																															
1906																															
1907																															
1908																															
1909																															
1910																															
1911	29.1	26.2																													
1912																															
1913																															
1914	29.4	26.4																													
1915																															
1916																															
1917	33.6	30.2																													
1918	34.4	30.9																													
1919																															
1920																															
1921																															
1926	34.5	31.0																													
1929																															
Total	34.5	31.0																													
DECREED ACRES	2,759.90																														
TBI ACRES	2,481.52																														
% REDUCTION	10.09%																														
% ACRES TBI	89.91%																														
Total	8,061.35																														
Total	5,760.21																														
Total	28.55%																														
Total	71.45%																														

Note: for blank spaces use first figure above modified effective December 31, 2003, in accordance with Court Order

RELATIVE DIVERSION RIGHT FOR SAFFORD VALLEY

Based on one cubic foot per second for each eighty acres

THEN BEING IRRIGATED

Year	Consolidated Brown		Fourness		San Jose		Montezuma		Lyon - Sunflower		Graham		Smithville		Dodge-Nevada		Curtis		Fox Thomas		Calvin - Jones		TBI TOTAL	
	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Decreased	2003	Total	2003
1872							0.4	0.3															0.4	0.3
1873							1.0	0.8															1.0	0.8
1874		0.5	0.4	1.2	1.1	2.8	2.2	3.4	2.7														7.9	6.4
1875		1.0	0.8	3.8	3.3	6.5	5.2	4.8	3.9	0.4	0.3												18.5	13.4
1876		1.2	0.9	7.5	6.6	8.0	6.4	5.2	5.2	0.6	0.5												24.3	20.0
1877		2.1	1.6	10.0	8.8	12.5	10.0	8.0	6.4	0.8	0.7												35.4	28.3
1878		2.6	2.0	11.2	9.8	15.0	12.0	12.1	9.8	0.8	0.8												43.9	36.1
1879		3.0	2.3	13.8	12.1	18.8	15.1	12.2	9.7	1.1	1.0												51.2	42.3
1880		3.6	2.8	15.0	13.2	18.8	16.0	14.5	11.5	1.8	1.8												62.2	51.9
1881		4.0	3.1	18.2	14.2	20.2	18.2	17.4	13.8	2.1	1.8												72.7	60.8
1882		4.8	3.7	18.8	16.5	21.4	17.2	18.7	14.9	3.3	3.3												85.6	72.1
1883		5.2	4.0	20.0	17.8	22.0	17.8	20.2	20.9	5.0	4.4												104.8	88.4
1884		5.9	4.6	22.5	18.8	22.5	18.0	31.9	25.4	5.1	4.5												128.1	108.5
1885		6.4	5.0	23.8	20.8	23.0	18.4	39.2	31.2	8.5	5.7												142.0	118.8
1886		6.8	5.3	27.9	23.1	25.0	20.0	47.8	37.9	9.9	8.7												180.8	150.8
1887		8.4	6.5	28.7	23.5	27.8	22.3	68.8	54.6	17.4	15.2												215.6	181.7
1888		8.6	6.7	25.0	22.0	25.5	20.4	51.8	41.2	10.9	9.5												221.2	186.4
1889		8.7	6.7	25.9	22.5	26.2	21.0	59.9	47.7	13.4	11.7												230.3	193.9
1890		9.3	7.2	28.8	25.1	27.0	21.8	66.0	52.5	14.5	12.7												262.8	217.8
1891		11.5	8.9	28.7	23.5	27.8	22.3	68.8	54.6	17.4	15.2												262.8	217.8
1892		12.1	8.4	27.8	24.5	28.5	23.8	70.2	55.9	19.4	17.0												281.2	235.9
1893		13.1	10.2	27.8	24.5	28.5	23.8	70.8	56.2	20.0	17.5												281.2	235.9
1894		13.2	10.2	28.8	25.1	30.5	24.4	72.2	57.0	20.4	17.8												303.5	255.0
1895		14.8	11.5	28.8	25.1	30.5	24.4	72.2	57.0	20.4	17.8												303.5	255.0
1896		14.8	11.5	33.2	29.2	32.0	25.8	72.3	57.5	24.0	21.0												348.0	297.1
1897		18.7	15.9	34.5	30.3	33.3	28.7	72.4	57.6	24.6	21.5												348.0	297.1
1898		15.4	11.9	30.4	28.7	34.4	27.9	72.5	57.7	26.3	23.0												348.0	297.1
1900		15.9	12.3	31.9	28.0	40.5	32.5	73.7	58.7	27.1	23.7												348.0	297.1
1901		15.9	12.3	33.2	29.2	41.8	33.3	73.9	58.8	27.8	24.1												348.0	297.1
1902		18.7	15.9	34.5	30.3	45.2	36.2	74.7	59.3	37.5	32.8												348.0	297.1
1903		18.7	15.9	35.7	31.4	46.4	37.2	74.7	59.3	37.5	32.8												348.0	297.1
1904		18.7	15.9	39.8	35.0	48.9	37.6	73.7	58.7	34.5	30.2												348.0	297.1
1904		18.7	15.9	41.5	36.5	58.8	47.1	73.7	58.7	34.5	30.2												348.0	297.1
1905		18.7	15.9	42.8	37.4	58.8	47.1	73.9	58.8	35.7	31.2												348.0	297.1
1906		18.7	15.9	43.5	38.2	58.9	47.2	74.7	59.3	37.5	32.8												348.0	297.1
1907		18.7	15.9	48.4	42.5	59.0	47.3	87.8	69.9	38.8	33.9												348.0	297.1
1908		18.7	15.9	48.5	43.5	59.0	47.3	87.9	70.0	41.2	36.0												348.0	297.1
1910		18.7	15.9	50.4	44.3	60.4	48.4	88.6	70.5	42.2	36.9												348.0	297.1
1911		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1912		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1913		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1914		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1915		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1916		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1917		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1918		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1919		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
1920		18.7	15.9	51.0	44.8	60.4	48.4	90.1	71.7	44.0	40.2												348.0	297.1
Total	188.8	12.9	2.6	2.4	51.9	45.8	48.4	48.4	92.1	73.3	52.7	46.1	31.8	29.0	31.5	29.5	24.8	21.2	39.4	35.2	2.8	0.0	488.4	343.8
DECREASED ACRES	1,238.80		210.70		4,150.03		4,835.98		7,371.96		4,217.68		2,548.33		2,518.54		1,871.70		3,155.70		205.90		32,512.40	
TBI ACRES	1,028.23		189.80		3,845.36		3,876.28		5,887.42		3,889.33		2,315.34		2,257.54		1,889.75		2,813.45		0.00		27,482.30	
% REDUCTION	22.51%		10.01%		18.84%		19.84%		20.41%		12.53%		8.18%		8.32%		13.79%		10.83%		100.00%		15.47%	
% ACRES TBI	77.49%		89.99%		81.16%		80.16%		79.59%		87.47%		90.82%		91.68%		86.21%		89.15%		0.00%		84.53%	

Note: for blank spaces use first figure above modified effective December 31, 2003, in accordance with Court Order

2003

COMPARISON OF U.S.G.S. 2003 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	(97)	431	(5,169)	(2,737)	(1,156)	440	702	368	1,218	(583)	(1,684)	(26)	(8,293)
Gila River Near Clifton	46	(550)	5,159	149	1,141	(484)	(688)	(338)	(1,218)	403	1,517	(625)	4,512
San Francisco River @ Clifton	(38)	(72)	(12)	0	(4)	(4)	11	(4)	0	0	(2)	0	(125)
Head of Safford Valley	(651)	232	738	343	37	0	99	(42)	44	4	310	6	920
Gila @ Calva	2	(26)	0	0	2	(69)	67	3	0	0	0	0	(21)
San Carlos River @ Peridot	8	(4)	(102)	0	0	0	(84)	(27)	0	0	1	(19)	(227)
Gila Below Coolidge Dam	(89)	280	486	0	0	16	2	0	0	0	0	0	695
Gila @ Kelvin	(164)	(206)	(79)	(76)	(6)	(146)	(185)	(301)	(523)	0	(35)	63	(1,658)

Note: revised data not used in Water Commissioner's 2003 Annual Report

2003

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

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	91	75	102	228	109	34	12	13	98	15	39	99
2	91	73	106	201	107	33	12	12	84	17	38	97
3	90	70	112	191	108	31	11	13	65	22	35	95
4	89	68	113	188	105	29	11	12	57	23	33	91
5	89	68	114	186	103	27	11	11	54	23	31	90
6	87	69	115	186	101	25	11	9.9	46	22	32	90
7	84	69	116	182	98	23	9.8	9.5	40	23	33	91
8	84	70	116	174	96	20	8.5	9.6	39	25	34	91
9	84	72	116	165	93	17	7.8	8.8	43	28	34	92
10	84	70	121	159	88	15	7.4	8.3	44	28	33	92
11	85	69	127	151	79	14	7.5	8.1	42	31	37	90
12	87	69	130	145	79	13	7.6	8.0	37	35	44	88
13	87	72	135	141	75	12	7.7	8.7	41	35	51	88
14	86	77	139	142	68	11	7.1	9.2	48	36	148	88
15	86	80	145	140	66	10	6.5	9.5	55	37	237	87
16	85	88	153	148	63	10	6.1	10	49	38	240	83
17	85	88	162	157	60	11	5.9	11	48	37	189	80
18	83	87	183	158	54	12	5.8	34	29	34	163	79
19	83	87	203	154	52	13	5.4	21	24	33	146	78
20	83	89	217	144	54	13	4.9	16	21	32	134	76
21	82	90	224	139	53	13	4.5	18	17	32	128	74
22	81	90	231	135	53	12	4.5	19	14	32	124	72
23	82	98	227	128	51	11	4.2	20	15	36	120	72
24	83	91	233	123	49	10	3.8	22	14	39	116	72
25	82	101	265	120	46	10	7	36	14	38	113	75
26	81	104	282	117	44	10	12	26	18	37	110	78
27	81	103	293	117	43	9.9	10	30	36	40	106	79
28	81	104	294	117	42	10	10	191	77	41	104	70
29	81		276	112	40	12	10	120	24	40	103	68
30	79		267	110	40	13	13	89	19	40	102	65
31	76		258		39		11	82		39		62
Total	2612	2291	5575	4558	2158	483.9	256.0	895.6	1212	988	2857	2552
Ac-ft	5181	4544	11058	9041	4280	960	508	1776	2404	1960	5667	5062

Total for year: 52,441 acre-feet

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

2003

GILA RIVER NEAR CLIFTON, ARIZONA

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	94	93	68	178	92	28	18	23	80	32	23	80
2	93	93	59	152	83	29	17	31	86	24	22	75
3	92	91	55	123	79	27	16	25	110	24	20	78
4	88	88	61	115	82	25	17	24	124	22	19	76
5	86	86	58	120	83	25	19	23	109	21	18	66
6	84	81	55	122	79	23	17	21	95	22	17	64
7	84	82	57	121	81	25	18	62	89	24	16	64
8	81	88	56	114	79	23	19	45	123	27	15	79
9	87	87	55	115	79	23	19	27	73	26	14	83
10	87	85	50	112	75	23	20	24	72	26	13	87
11	88	82	53	121	72	24	20	28	61	26	12	100
12	80	76	48	113	68	24	19	23	54	25	14	104
13	79	78	50	106	63	24	19	26	49	23	24	109
14	82	83	49	92	54	24	19	27	46	22	14	114
15	86	91	51	87	46	23	19	28	45	23	25	117
16	88	75	57	89	41	24	19	26	45	25	199	117
17	87	81	66	96	37	23	18	26	45	25	272	112
18	87	99	74	99	33	25	18	26	44	25	223	109
19	87	99	93	96	30	27	19	29	43	25	179	111
20	86	94	107	103	28	28	17	25	43	24	150	112
21	84	92	124	92	27	28	17	28	41	24	124	113
22	71	92	129	89	26	25	20	24	41	26	96	108
23	63	95	137	93	24	24	20	28	41	26	78	102
24	66	96	137	92	24	24	21	25	40	26	76	107
25	68	99	139	86	24	23	22	21	40	26	74	94
26	78	102	163	87	25	23	23	21	39	26	70	83
27	81	105	182	90	26	23	25	24	38	28	69	88
28	89	83	192	90	29	24	23	24	37	29	70	94
29	93		187	93	29	19	23	58	37	28	68	81
30	93		179	92	29	18	25	155	36	27	74	75
31	96		178		28		24	104		28		65
Total	2606	2496	2969	3178	1575	728	610	1081	1826	785	2088	2867
Ac-ft	5169	4951	5889	6304	3124	1444	1210	2144	3622	1557	4142	5687

Total for year: 45,243 acre-feet

Drainage area.—4,010 sq. mi.

2003

SAN FRANCISCO RIVER AT CLIFTON, ARIZONA

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	72	68	242	231	85	37	22	36	62	37	27	63
2	69	66	201	217	82	39	20	32	68	29	33	55
3	68	65	236	210	79	35	17	31	59	29	35	47
4	68	68	213	206	77	30	18	31	54	32	38	53
5	64	72	211	197	71	31	18	30	51	33	40	53
6	63	74	206	197	74	32	17	23	49	26	42	56
7	60	72	192	188	67	31	17	22	52	22	42	58
8	60	74	184	179	64	30	16	24	51	69	44	63
9	61	77	182	175	59	28	14	22	48	107	40	66
10	62	74	194	167	60	29	12	20	84	80	41	66
11	65	73	219	162	59	29	15	23	177	64	44	65
12	63	73	235	157	61	26	16	23	118	68	51	62
13	68	78	243	149	64	27	19	23	90	52	1410	59
14	63	216	243	142	57	27	20	25	70	46	480	57
15	63	249	247	148	50	28	14	25	63	43	231	56
16	63	201	244	161	51	29	17	31	58	36	147	53
17	66	159	283	151	46	29	20	37	54	33	105	60
18	66	139	318	144	49	30	20	34	50	37	78	63
19	63	132	318	142	46	31	17	47	49	38	73	55
20	68	121	309	137	46	27	17	39	44	37	73	56
21	71	116	294	133	49	28	20	37	40	33	69	58
22	71	105	287	127	48	27	19	35	40	32	64	62
23	70	101	286	118	44	27	22	32	38	31	55	63
24	73	94	297	116	44	23	24	27	33	31	60	63
25	71	90	308	113	41	25	21	26	27	30	57	64
26	73	110	302	107	40	26	22	27	30	27	53	64
27	68	175	293	105	38	25	23	28	33	29	58	64
28	74	177	283	99	40	25	27	30	42	32	63	62
29	70		271	100	42	24	37	60	42	28	64	62
30	69		254	98	40	24	35	90	38	23	66	63
31	68		247		40		37	68		22		62
Total	2073	3119	7842	4576	1713	859	633	1038	1714	1236	3683	1853
Ac-ft	4112	6187	15555	9076	3398	1704	1256	2059	3400	2452	7305	3675

Total for year: 60,179 acre-feet

Drainage area.--2,766 square miles

2003

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

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	184	179	338	464	198	74	43	58	103	64	64	142
2	183	176	357	435	191	74	42	56	97	63	66	140
3	183	174	360	404	183	74	42	55	94	62	71	136
4	182	174	358	384	179	70	41	52	93	63	73	138
5	182	177	380	373	178	66	42	52	86	63	76	138
6	181	176	405	362	175	65	42	52	80	64	78	137
7	180	177	404	354	171	63	43	51	76	62	79	139
8	179	182	401	344	164	64	43	60	83	64	81	142
9	181	188	411	330	159	63	43	56	77	91	80	144
10	186	184	424	321	151	61	42	52	74	99	80	146
11	187	182	438	318	148	61	40	50	107	92	83	150
12	185	179	461	309	144	62	41	52	118	84	89	152
13	187	184	472	302	137	58	40	52	99	87	533	154
14	192	211	464	291	131	59	41	54	84	78	797	155
15	189	327	465	284	123	57	41	56	76	75	322	155
16	190	284	467	296	116	56	39	57	73	73	235	155
17	197	253	484	296	113	56	22	60	70	68	236	152
18	200	240	1070	289	107	56	18	64	68	67	211	150
19	199	229	887	283	104	56	40	84	67	69	187	148
20	199	221	858	284	99	55	38	77	64	68	173	145
21	202	214	749	272	95	53	44	69	61	68	163	146
22	194	212	690	260	94	53	44	68	60	68	155	148
23	188	208	650	254	92	51	45	65	61	68	147	148
24	187	207	671	249	89	50	44	65	62	67	143	153
25	189	206	699	242	86	48	45	62	60	67	143	154
26	194	212	673	235	83	46	43	60	60	67	141	150
27	198	251	633	226	82	46	44	58	60	66	138	149
28	204	273	601	218	80	48	43	59	63	67	138	152
29	207		568	213	78	48	46	61	65	68	139	151
30	206		529	209	78	45	53	112	64	64	140	147
31	207		492		76		54	119		62		144
Total	5922	5880	16859	9101	3904	1738	1288	1948	2305	2188	5061	4560
Ac-ft	11746	11663	33440	18052	7744	3447	2555	3864	4572	4340	10038	9045

Total for year: 120,506 acre-feet

Drainage area.—7,896 square miles

2003

GILA RIVER AT CALVA, ARIZONA

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	71	113	151	228	155	29	0.3	5.5				29
2	78	116	129	217	154	29	0.1	2.6	1.8			38
3	85	116	145	208	151	28		0.6	0.2			41
4	90	118	121	196	147	25		0.2				36
5	91	120	115	195	144	24						32
6	89	120	103	195	143	24						32
7	83	122	126	188	135	24						37
8	84	127	131	184	128	21						39
9	82	129	119	181	126	18						44
10	82	133	123	171	121	17						43
11	82	132	141	169	121	16						44
12	78	133	147	175	120	15						57
13	71	138	150	174	114	13						66
14	68	143	159	168	106	11						72
15	66	142	163	179	100	10					282	72
16	67	207	182	189	92	9.7					283	77
17	62	179	181	204	85	6.9					142	79
18	61	205	201	212	77	7.0					129	82
19	66	205	408	215	71	5.6					113	81
20	68	199	421	203	65	4.5					92	81
21	68	193	418	186	62	3.6					76	79
22	62	184	387	179	60	3.0					67	78
23	53	182	336	166	57	2.4					60	68
24	51	182	301	171	56	1.3					57	59
25	46	180	308	166	52	1.7					53	56
26	41	191	321	166	48	0.9	111				39	50
27	40	201	325	160	45	0.8	82				31	63
28	43	208	308	163	38	0.9	22				26	65
29	63		295	157	34	0.4	9.0				25	68
30	99		274	156	32	0.2	8.1				22	72
31	108		253		30		2.1					74
Total	2198	4418	6942	5521	2869	352.9	234.6	8.9	2		1497	1814
Ac-ft	4360	8763	13769	10951	5691	700	465	18	4		2969	3598

Total for year: 51,288 acre-feet

Drainage area.--11,470 square miles

2003

SAN CARLOS RIVER NEAR PERIDOT, ARIZONA

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	12	12	1340	19	2.0					0.2		4.8
2	11	13	316	14	2.0							5.1
3	11	11	346	7.6	1.8							5.5
4	11	11	246	4.9	1.4							5.6
5	12	10	242	4.3	1.3							5.9
6	13	9.8	342	3.8	1.2							5.9
7	15	11	212	3.5	1.2							5.9
8	13	12	170	3.2	1.0							5.9
9	13	13	149	3.1	0.9				72.0			5.9
10	14	13	134	2.9	0.8				2040.0			5.7
11	13	14	123	3.0	0.8				905.0			5.9
12	13	14	105	3.0	0.7				80.0	0.2	0.1	6.2
13	14	18	91	2.9	0.5				33.0	0.8	9.0	6.5
14	13	28	67	3.1	0.6				18.0	0.7	10.0	7.1
15	12	29	55	3.3	0.3				16	0.3	7.2	7.3
16	12	25	47	3.1	0.1				20		5.8	7.1
17	12	23	296	3.0					16		4.6	7.3
18	12	21	759	3.1					8.9		4.1	7.1
19	12	19	339	3.2					4.9		3.8	6.8
20	12	17	224	3.1					2.4		3.8	8.1
21	14	15	146	3.6					1.6		3.9	7.7
22	15	13	111	3.5				15	1.2		4.2	7.3
23	16	12	94	2.9					0.9		4.2	8.4
24	16	12	84	2.6					0.8		4.2	12
25	15	12	84	2.6				2.5	0.6		4.6	10
26	15	34	95	2.6					0.6		4.6	12
27	14	304	86	2.5				1.7	0.5		4.6	19
28	15	745	75	2.4				1.2	0.4		4.6	20
29	15		53	2.1			82	2.2	0.4		4.6	20
30	14		40	1.9			0.7		0.4		4.6	19
31	12		37				33					17
Total	411	1470.8	6508	123.8	16.6		115.7	22.6	3223.6	2.2	92.5	278
Ac-ft	815	2917	12909	246	33		229	45	6394	4	183	551

Total for year: 24,326 acre-feet

Drainage area.—1,026 square miles

2003

GILA RIVER BELOW COOLIDGE DAM, ARIZONA

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	76	99	210	280	132	44	0.8	1.3	1.3	1.1	0.6	0.7
2	76	104	210	255	132	44	0.8	1.3	1.3	1.1	0.6	0.8
3	76	106	254	236	131	44	0.8	1.2	1.3	1.0	0.5	0.8
4	75	106	337	217	130	44	0.8	1.1	1.3	1.0	0.4	0.8
5	74	111	323	210	117	17	0.8	1.1	1.3	1.0	0.9	0.8
6	87	117	363	211	115	1.6	0.8	1.0	1.3	0.9	0.8	0.8
7	96	117	356	212	126	1.4	0.8	0.8	1.3	0.9	0.6	0.8
8	95	117	316	281	126	1.2	0.8	0.8	1.1	1.1	0.5	92
9	95	117	264	296	126	1.2	0.9	0.8	1.5	0.9	0.4	127
10	94	119	243	296	126	1.3	1.0	0.8	1.5	0.8	0.4	124
11	94	122	242	294	126	1.2	1.1	0.8	1.3	0.8	0.4	124
12	94	131	242	293	126	1.1	1.1	0.8	1.3	0.7	0.7	124
13	94	141	243	293	119	1.1	1.3	0.8	1.3	0.6	0.8	124
14	82	143	243	293	108	1.1	1.3	0.8	1.3	0.6	0.6	124
15	73	142	243	306	99	1.1	1.3	0.8	1.3	0.6	0.6	122
16	73	141	243	219	101	1.1	71	0.8	1.3	0.6	0.6	122
17	73	142	243	235	101	1.0	78	0.8	1.3	0.6	0.6	122
18	66	142	312	218	101	0.8	78	0.8	1.3	0.8	0.6	122
19	60	176	376	183	95	0.8	78	0.9	1.3	0.8	0.6	122
20	60	197	395	183	92	0.8	78	1.1	1.3	0.8	0.6	100
21	60	197	396	208	85	0.8	78	1.1	1.3	0.8	0.6	85
22	60	185	396	221	79	0.8	79	1.1	1.3	0.8	0.6	85
23	61	176	396	186	69	0.9	79	1.1	1.2	0.8	0.6	85
24	61	175	396	148	61	0.8	51	1.3	1.1	0.8	0.6	85
25	61	191	395	132	56	0.8	41	1.3	1.1	0.8	0.6	85
26	59	203	395	132	53	0.8	82	1.3	1.1	0.6	0.6	85
27	58	203	395	132	49	0.8	79	1.3	1.1	0.6	0.6	85
28	53	203	394	132	46	0.8	78	1.3	1.1	0.6	0.6	34
29	49		385	132	45	0.8	47	1.3	1.1	0.6	0.6	1.2
30	77		356	132	45	0.8	2.0	1.3	1.0	0.6	0.6	1.1
31	94		315		44		1.6	1.3		0.6		1.1
Total	2306	4123	9877	6546	2961	217.9	1015.0	32.3	37.6	24.3	17.8	2186.9
Ac-ft	4574	8178	19591	12984	5873	432	2013	64	75	48	35	4338

Total for year: 58,205 acre-feet

Drainage area.—12,886 square miles

2003

NATURAL FLOW RELEASED AT COOLIDGE DAM

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	76	99	210	247	132	29						
2	76	104	210	231	132	29						
3	76	106	254	216	131	28						
4	75	106	337	201	130	25						
5	74	111	323	199	117	17						
6	87	117	363	199	115							
7	96	117	338	192	126							
8	95	117	301	187	126							45
9	95	117	264	184	126							50
10	94	119	243	174	122							49
11	94	122	242	172	122							50
12	91	131	242	178	121							63
13	85	141	241	177	115							73
14	81	143	226	171	107							79
15	73	142	218	182	99							79
16	73	141	229	192	92		71					84
17	73	142	243	207	85		78					86
18	66	142	312	215	77		78					89
19	60	176	376	183	71		78					88
20	60	197	395	183	65		78					89
21	60	197	396	190	62		78					85
22	60	185	396	183	60		79					85
23	61	176	396	169	57		79					76
24	61	175	385	148	56		51					71
25	61	191	392	132	52		41					66
26	56	203	395	132	48		82					62
27	54	203	395	132	45		79					82
28	53	203	383	132	38		78					34
29	49		348	132	34		47					
30	77		314	132	32							
31	94		290		30							
Total	2286	4123	9657	5372	2725	128	997					1485
Ac-ft	4534	8178	19155	10655	5405	254	1978					2945

Total for year: 53,104 acre-feet

2003

STORED WATER RELEASED AT COOLIDGE DAM

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1				33		15						
2				24		15						
3				20		16						
4				16		19						
5				11								
6				12								
7			18	20								
8			15	74								47
9				112								77
10				122	4							75
11				122	4							74
12	3			115	5							61
13	9		2	116	4							51
14	1		17	122	1							45
15			25	124								43
16			14	27	9							38
17				28	16							36
18				3	24							33
19					24							34
20					27							11
21				18	23							
22				38	19							
23				17	12							9
24			11		5							14
25			3		4							19
26	3				5							23
27	4				4							3
28			11		8							
29			37		11							
30			42		13							
31			25		14							
Total	20		220	1174	236	65						693
Ac-ft	40		436	2329	468	129						1375

Total for year: 4,777 acre-feet

2003

GILA RIVER AT KELVIN, ARIZONA

Mean daily discharge, cubic feet per second

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	63	78	530	306	117	19	0.1	90	49			2.8
2	63	84	410	268	114	18	0.3	25	46			2.8
3	63	91	352	252	112	18	0.6	18	27			2.8
4	63	96	334	232	111	17	0.8	15	12			2.8
5	64	97	362	220	113	16	1.1	13	3.5			2.9
6	64	99	350	213	108	16	1.6	12	0.1			3.1
7	66	106	375	209	98	15	1.9	11	28			3.3
8	79	107	354	205	107	12	2.0	10	26			3.2
9	84	107	307	242	107	10	2.3	10	4.4			3.2
10	84	107	255	274	108	8.6	2.6	11	12			3.8
11	84	108	236	278	107	7.3	3.0	7.9	9.0			35
12	85	111	230	273	104	6.5	3.4	7.2	8.5			57
13	86	120	229	276	102	5.7	3.5	6.9	6.1			61
14	86	145	228	276	97	4.9	3.7	6.8	5.5			68
15	82	137	230	288	88	4.2	4.0	371	33			72
16	68	129	234	305	79	3.6	4.2	71	157			77
17	65	129	275	227	81	3.2	4.6	26	56		1.1	82
18	65	130	292	232	83	2.9	5.0	18			1.3	87
19	63	130	378	215	81	2.7	5.2	16			2.1	89
20	59	157	440	180	72	2.6	5.3	16			2.3	93
21	60	187	447	178	66	2.3	5.6	16			2.3	78
22	58	187	436	199	64	2.2	6.2	15			2.3	48
23	57	175	428	214	55	1.8	6.4	24			2.4	47
24	57	169	416	185	48	1.3	16	99			2.6	49
25	57	172	413	157	36	1.3	56	40			2.7	49
26	56	345	409	127	32	1.2	102	137			2.7	53
27	56	782	410	119	28	1.0	246	672			2.8	55
28	57	855	399	117	25	0.9	283	175			2.9	54
29	56		401	114	22	0.6	416	163			2.7	49
30	49		383	122	20	0.2	453	185			2.7	23
31	52		360		20		590	123				16
Total	2051	5140	10903	6503	2405	206.0	2235.4	2410.8	483.1		32.9	1272.7
Ac-ft	4068	10195	21628	12899	4770	409	4434	4782	958		65	2524

Total for year: 66,730 acre-feet

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

2003

OPERATION OF SAN CARLOS RESERVOIR

Quantities in acre-feet

2003 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	36776	36130	-646	4360	816	147	5322	4574	516	5089	879	
February	36130	37601	1471	8763	2917	938	12618	8178	534	8712	2435	
March	37601	41681	4080	13769	12909	308	26986	19591	982	20573	2333	
April	41681	38816	-2865	10951	246	94	11291	12984	1644	14628		-472
May	38816	36579	-2237	5691	33	5	5729	5873	2179	8052		-86
June	36579	34286	-2293	700			700	432	2609	3041		-48
July	34286	31007	-3279	465	229	430	1124	2013	2609	4622		-219
August	31007	29654	-1353	18	45	120	183	64	1902	1966		-430
September	29654	29777	123	4	6394	253	6651	75	1399	1474	5054	
October	29777	28750	-1027		4	87	91	48	1234	1282		-164
November	28750	29506	756	2969	183	173	3325	35	558	593	1976	
December	29506	27288	-2218	3598	551	109	4258	4338	410	4748	1728	
Totals			-9488	51288	24326	2664	78278	58205	16575	74780	14405	-1419

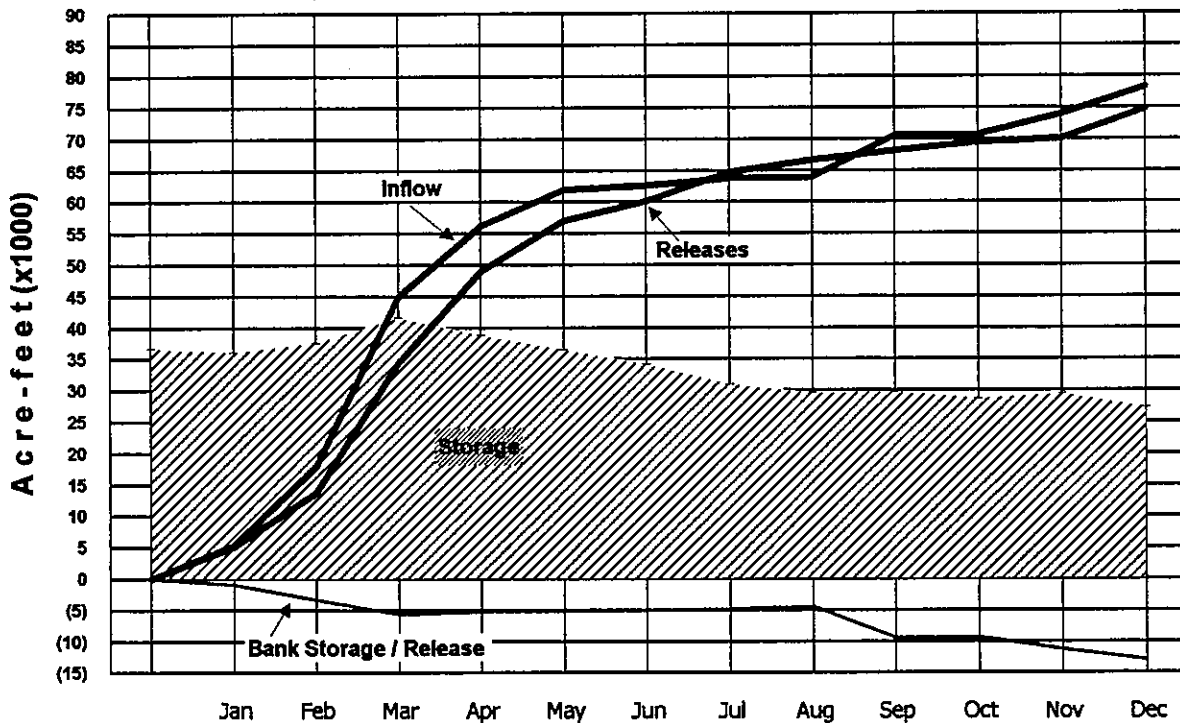
2003

MASS DIAGRAM OF OPERATION OF SAN CARLOS RESERVOIR

In Acre-feet

Month	Storage		Accumulated		Bank		Net Result	Monthly Bank Result
	Contents End of Month	Contents Gain or Loss	Inflow Including Rain	Releases Including Evaporation	Storage	Release		
Begin	36,776							
JAN	36,130	-646	5,322	5,089	879		-879	879
FEB	37,601	1471	17,940	13,801	3314		-3314	2435
MAR	41,681	4080	44,926	34,374	5647		-5647	2333
APR	38,816	-2865	56,217	49,002		472	-5175	-472
MAY	36,579	-2237	61,946	57,054		558	-5089	-86
JUN	34,288	-2293	62,646	60,095		606	-5041	-48
JUL	31,007	-3279	63,770	64,717		825	-4822	-219
AUG	29,654	-1353	63,953	66,683		1255	-4392	-430
SEP	29,777	123	70,604	68,157	10701		-9446	5054
OCT	28,750	-1027	70,695	69,439		1419	-9282	-164
NOV	29,506	756	74,020	70,032	12677		-11258	1976
DEC	27,288	-2218	78,278	74,780	14405		-12986	1728

Graph: STORAGE INFLOW RELEASES BANK STOR/REL



2003

WATER SURFACE ELEVATIONS, SAN CARLOS RESERVOIR

Elevation in feet

2003 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2418.01	2417.81	2418.75	2419.70	2418.74	2417.93	2417.12	2415.88	2415.34	2415.38	2414.97	2415.29
2	2418.01	2417.77	2419.04	2419.65	2418.74	2417.89	2417.08	2415.88	2415.33	2415.38	2414.94	2415.29
3	2417.99	2417.79	2419.17	2419.64	2418.70	2417.83	2417.06	2415.85	2415.31	2415.35	2414.93	2415.30
4	2417.99	2417.80	2419.22	2419.63	2418.70	2417.78	2417.04	2415.83	2415.29	2415.30	2414.93	2415.31
5	2418.01	2417.79	2419.24	2419.60	2418.70	2417.75	2417.01	2415.81	2415.26	2415.28	2414.92	2415.32
6	2418.02	2417.78	2419.24	2419.59	2418.69	2417.73	2416.99	2415.75	2415.25	2415.28	2414.91	2415.32
7	2417.97	2417.78	2419.25	2419.59	2418.68	2417.69	2416.96	2415.75	2415.23	2415.28	2414.90	2415.33
8	2417.99	2417.77	2419.26	2419.51	2418.64	2417.69	2416.93	2415.74	2415.22	2415.30	2414.89	2415.27
9	2417.99	2417.77	2419.26	2419.44	2418.60	2417.66	2416.90	2415.72	2415.28	2415.30	2414.88	2415.20
10	2417.98	2417.78	2419.27	2419.36	2418.58	2417.61	2416.84	2415.69	2415.27	2415.29	2414.87	2415.13
11	2417.96	2417.79	2419.27	2419.28	2418.57	2417.60	2416.83	2415.69	2415.27	2415.28	2414.87	2414.99
12	2417.94	2417.79	2419.27	2419.20	2418.53	2417.57	2416.81	2415.66	2415.37	2415.27	2414.94	2414.95
13	2417.92	2417.87	2419.28	2419.11	2418.51	2417.55	2416.81	2415.60	2415.50	2415.26	2414.94	2414.88
14	2417.92	2417.93	2419.27	2419.01	2418.49	2417.53	2416.77	2415.61	2415.53	2415.25	2414.94	2414.83
15	2417.90	2417.93	2419.27	2418.91	2418.44	2417.51	2416.78	2415.59	2415.55	2415.24	2414.95	2414.74
16	2417.89	2417.94	2419.28	2418.89	2418.43	2417.48	2416.67	2415.60	2415.54	2415.22	2414.94	2414.65
17	2417.89	2417.98	2419.28	2418.84	2418.41	2417.47	2416.63	2415.59	2415.53	2415.21	2414.99	2414.61
18	2417.88	2417.99	2419.45	2418.82	2418.36	2417.45	2416.54	2415.52	2415.51	2415.19	2415.04	2414.55
19	2417.88	2418.00	2419.59	2418.82	2418.34	2417.43	2416.45	2415.51	2415.50	2415.18	2415.10	2414.50
20	2417.88	2417.99	2419.79	2418.85	2418.31	2417.38	2416.38	2415.50	2415.49	2415.17	2415.14	2414.47
21	2417.88	2417.98	2419.90	2418.82	2418.28	2417.35	2416.32	2415.48	2415.45	2415.16	2415.22	2414.47
22	2417.88	2417.97	2419.99	2418.77	2418.24	2417.33	2416.25	2415.47	2415.45	2415.15	2415.19	2414.43
23	2417.88	2417.99	2420.02	2418.73	2418.22	2417.31	2416.17	2415.44	2415.43	2415.16	2415.23	2414.38
24	2417.88	2417.97	2420.00	2418.73	2418.15	2417.27	2416.07	2415.42	2415.44	2415.11	2415.24	2414.34
25	2417.87	2418.01	2419.97	2418.75	2418.14	2417.25	2416.04	2415.40	2415.45	2415.08	2415.28	2414.31
26	2417.85	2418.09	2419.94	2418.76	2418.10	2417.23	2416.01	2415.41	2415.45	2415.05	2415.30	2414.27
27	2417.84	2418.12	2419.89	2418.76	2418.09	2417.21	2415.95	2415.40	2415.44	2415.04	2415.28	2414.23
28	2417.83	2418.33	2419.89	2418.77	2418.11	2417.22	2415.87	2415.39	2415.43	2415.04	2415.27	2414.23
29	2417.82		2419.77	2418.75	2418.03	2417.16	2415.88	2415.37	2415.42	2415.00	2415.29	2414.26
30	2417.82		2419.73	2418.75	2417.98	2417.14	2415.92	2415.35	2415.40	2414.99	2415.29	2414.31
31	2417.81		2419.71		2417.97		2415.89	2415.35		2414.98		2414.37

2003

WATER SURFACE AREAS, SAN CARLOS RESERVOIR

Area in acres

2003 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	2825	2795	2892	3047	2921	2815	2705	2541	2470	2475	2421	2462
2	2822	2793	2940	3043	2919	2809	2701	2539	2468	2473	2420	2462
3	2821	2791	2968	3040	2917	2802	2697	2538	2466	2472	2418	2463
4	2820	2794	2980	3038	2914	2795	2695	2534	2463	2467	2417	2464
5	2821	2794	2984	3036	2914	2790	2692	2532	2460	2462	2417	2466
6	2824	2793	2985	3033	2914	2786	2688	2526	2458	2460	2417	2466
7	2821	2791	2987	3032	2913	2782	2685	2523	2455	2460	2416	2467
8	2818	2791	2988	3027	2908	2780	2682	2523	2454	2462	2415	2463
9	2820	2790	2988	3017	2903	2778	2678	2520	2457	2463	2414	2455
10	2820	2791	2989	3006	2899	2773	2671	2517	2460	2463	2413	2446
11	2817	2793	2989	2996	2897	2769	2667	2515	2459	2462	2412	2431
12	2815	2793	2989	2985	2894	2767	2665	2513	2466	2460	2416	2421
13	2812	2798	2990	2975	2890	2763	2663	2507	2481	2459	2418	2417
14	2811	2808	2990	2961	2887	2760	2661	2504	2492	2458	2418	2411
15	2809	2812	2989	2948	2883	2758	2659	2503	2495	2457	2419	2405
16	2808	2813	2990	2940	2879	2755	2652	2503	2496	2454	2419	2398
17	2807	2816	2990	2936	2877	2752	2642	2503	2495	2453	2421	2392
18	2807	2820	3002	2931	2873	2749	2634	2497	2492	2450	2426	2388
19	2805	2821	3023	2930	2868	2747	2622	2492	2490	2449	2432	2384
20	2805	2821	3045	2932	2865	2742	2612	2490	2489	2447	2439	2381
21	2805	2820	3066	2932	2861	2737	2602	2488	2485	2446	2447	2379
22	2805	2818	3080	2927	2855	2733	2594	2486	2483	2444	2451	2378
23	2805	2818	3087	2921	2851	2731	2583	2484	2481	2444	2451	2374
24	2805	2818	3087	2918	2846	2727	2572	2480	2481	2442	2455	2370
25	2805	2820	3085	2919	2841	2723	2564	2477	2483	2436	2458	2367
26	2802	2828	3081	2922	2837	2720	2560	2477	2483	2432	2462	2364
27	2801	2835	3076	2922	2834	2718	2553	2477	2483	2430	2462	2361
28	2800	2851	3072	2923	2834	2718	2543	2476	2481	2428	2460	2359
29	2798		3063	2922	2830	2714	2539	2473	2480	2426	2460	2361
30	2797		3053	2921	2822	2708	2542	2471	2477	2423	2462	2364
31	2797		3049		2818		2543	2470		2422		2368

2003

AVAILABLE STORED WATER, SAN CARLOS RESERVOIR

Storage in acre-feet

2003 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	36691	36130	38816	41650	38787	36466	34232	30981	29629	29728	28725	29506
2	36691	36018	39668	41498	38787	36354	34124	30981	29604	29728	28653	29506
3	36635	36074	40055	41468	38670	36186	34070	30905	29555	29654	28629	29530
4	36635	36102	40204	41437	38670	36046	34017	30854	29506	29530	28629	29555
5	36691	36074	40263	41346	38670	35963	33936	30803	29432	29481	28604	29579
6	36720	36046	40263	41316	38641	35907	33882	30652	29408	29481	28580	29579
7	36579	36046	40293	41316	38612	35795	33802	30652	29359	29481	28556	29604
8	36635	36018	40323	41074	38496	35795	33721	30627	29334	29530	28532	29457
9	36635	36018	40323	40863	38380	35712	33641	30576	29481	29530	28508	29285
10	36607	36046	40353	40622	38322	35573	33481	30501	29457	29506	28484	29114
11	36551	36074	40353	40382	38293	35545	33454	30501	29457	29481	28484	28774
12	36494	36074	40353	40144	38177	35462	33401	30426	29703	29457	28653	28677
13	36438	36298	40382	39876	38119	35407	33401	30275	30026	29432	28653	28508
14	36438	36466	40353	39580	38061	35352	33294	30300	30101	29408	28653	28387
15	36382	36466	40353	39285	37917	35297	33321	30250	30151	29383	28677	28170
16	36354	36494	40382	39227	37888	35214	33029	30275	30126	29334	28653	27955
17	36354	36607	40382	39080	37831	35187	32923	30250	30101	29310	28774	27859
18	36326	36635	40893	39021	37687	35132	32686	30076	30051	29261	28895	27716
19	36326	36663	41316	39021	37630	35077	32451	30051	30026	29236	29040	27596
20	36326	36635	41925	39109	37544	34940	32268	30026	30001	29212	29138	27525
21	36326	36607	42262	39021	37458	34858	32111	29976	29902	29187	29334	27525
22	36326	36579	42539	38874	37344	34803	31930	29951	29902	29163	29261	27430
23	36326	36635	42632	38758	37287	34748	31724	29877	29852	29187	29359	27312
24	36326	36579	42570	38758	37088	34639	31466	29827	29877	29065	29383	27217
25	36298	36691	42478	38816	37060	34585	31389	29777	29902	28992	29481	27146
26	36242	36918	42385	38845	36946	34531	31313	29802	29902	28919	29530	27051
27	36214	37003	42231	38845	36918	34476	31160	29777	29877	28895	29481	26957
28	36186	37601	42231	38874	36974	34503	30956	29752	29852	28895	29457	26957
29	36158		41864	38816	36748	34341	30981	29703	29827	28798	29506	27028
30	36158		41742	38816	36607	34286	31083	29654	29777	28774	29506	27146
31	36130		41681		36579		31007	29654		28750		27288

2003

DAILY EVAPORATION, SAN CARLOS RESERVOIR

Acre-feet

2003 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1	14	19	5	42	54	95	105	69	38	52	43	12
2	19	20	12	57	37	66	95	57	54	50	31	15
3	19	39	14	61	60	101	96	37	44	34	34	17
4	13	22	19	43	60	107	91	69	60	56	18	11
5	14	12	30	51	60	99	98	71	61	41	22	12
6	13	32	15	50	58	100	101	74	58	42	22	18
7	29	16	24	43	47	94	100	75	36	66	21	15
8	24	15	22	49	91	72	98	72	32	80	15	14
9	13	10	39	62	83	97	98	71	56	21	18	17
10	12	19	25	59	49	78	112	76	39	29	21	13
11	10	11	36	52	58	82	101	79	33	26	15	7
12	15	12	41	59	56	81	98	59	39	36	14	15
13	14	9	34	52	54	86	100	87	50	34	2	12
14	11	16	27	63	74	82	81	55	54	41	8	6
15	13	11	38	64	78	80	93	53	46	32	18	10
16	16	28	22	37	81	77	62	52	51	46	13	8
17	20	11	15	39	67	77	94	51	52	20	12	23
18	16	17	30	60	80	85	57	62	54	48	15	25
19	15	27	20	63	70	74	79	61	53	36	21	15
20	14	15	30	32	71	97	84	60	38	33	17	16
21	14	20	33	56	78	84	83	67	57	43	14	14
22	9	30	14	60	71	80	66	72	61	41	16	15
23	16	37	62	61	70	89	65	70	47	22	25	17
24	13	20	38	47	83	68	74	37	30	33	17	15
25	19	22	43	54	101	108	83	65	24	40	11	8
26	25	23	42	59	81	91	82	63	35	55	14	10
27	21	6	52	60	82	92	64	51	46	31	20	9
28	19	15	57	63	76	91	61	41	46	26	24	13
29	23		52	66	61	90	51	38	54	40	24	8
30	21		46	80	101	86	89	67	51	47	13	11
31	21		45		87		48	41		33		9
Total	515	534	982	1644	2179	2609	2609	1902	1399	1234	558	410

Total for year: 16,575 acre-feet

2003

DAILY RAINFALL, SAN CARLOS RESERVOIR

Acre-feet

2003 Day	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			22					15				
2			59									
3			17									
4												
5			17									
6												
7												
8										66		
9	94	14										31
10	9								195	21		
11									33			
12											30	40
13		44					47				143	
14		276						6				
15		84			57			6				
16			7		37							
17				145								
18				20								
19				15								
20				13								
21	44											
22							30					
23												
24												
25							105					
26		217					9	31	25			20
27		161					68	62				18
28		135										
29												
30							150					
31					5		21					
Total	147	938	308	94	5		430	120	253	87	173	109

Total for year: 2,664 acre-feet

2003

RAINFALL AT COOLIDGE DAM

Elevation approximately 2,550 feet

inches

2003 DAY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1			0.09					0.07				
2			0.24									
3			0.07									
4												
5			0.07									
6												
7												
8										0.32		
9	0.40	0.06										0.15
10	0.04								0.95	0.10		
11									0.16			
12											0.15	0.20
13		0.19					0.21				0.71	
14		1.18						0.03				
15		0.36		0.23				0.03				
16		0.03		0.15								
17			0.58									
18			0.08									
19			0.06									
20			0.05									
21	0.19											
22							0.14					
23												
24												
25							0.49					
26		0.92					0.04	0.15	0.12			0.10
27		0.68					0.32	0.30				0.09
28		0.57										
29												
30							0.71					
31					0.02		0.10					
Total	0.63	3.99	1.24	0.38	0.02	0.00	2.01	0.58	1.23	0.42	0.86	0.54

Note: T-Trace

Total for year: 11.90 inches

1956 - 2003

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
2002	0.10		0.35	0.18			1.32	1.20	0.60	0.17	0.22	1.12	5.26
2003	0.63	3.99	1.24	0.38	0.02		2.01	0.58	1.23	0.42	0.86	0.54	11.90

Note: T-Trace

c:\my docs\yearly_rpt\2003\rain_03.xls