

Eighty Sixth Annual Report

Distribution of Waters of The Gila River

BY THE
GILA WATER COMMISSIONER
Patricia A. Doyle

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

2021



EIGHTY SIXTH ANNUAL REPORT

2021

DISTRIBUTION OF WATERS OF THE GILA RIVER

By the

GILA WATER COMMISSIONER

Patricia A. Doyle

To the

UNITED STATES DISTRICT COURT

Safford, Arizona
August 10 2022

Honorable Scott H. Rash
Judge of the United States District Court
Tucson, Arizona

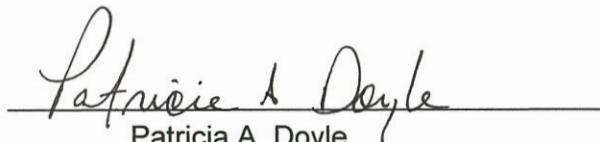
No. CV 31-0059-TUC-SHR
aka Globe Equity No. 59

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

Dear Judge Rash:

I submit herewith the Eighty-Sixth 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 2021.

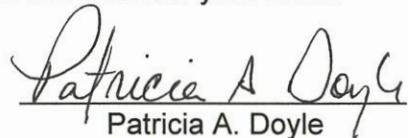
Respectfully,



Patricia A. Doyle
Gila Water Commissioner

State of Arizona)
)
) ss:
County of Graham)

I, Patricia A. Doyle, 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 2021, 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 2021.



Patricia A. Doyle
Gila Water Commissioner

Subscribed and sworn to before me this 10 day of August, 2022.



Courtney Montez
Notary Public

My commission expires: Aug 27, 2025

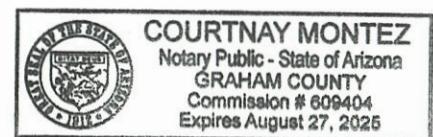


TABLE OF CONTENTS

PAGES

Personnel / Sources and Accuracy of Data	1
Geographical Divisions / Distribution of Waters	2
Water Supply / Cosper Crossing Table / Consumptive Use	3
Consumptive Use Tracking Table	4
Gila River System Tabulation and Summary	5
San Carlos Reservoir Summary / Apportionments	6
San Carlos Reservoir Minimum Pool	7
Freeport-McMoRan Diversions	8
SCAR Farm Reports / Land Use Audits / Geronimo Water Quality	9
Water Quality Actions Taken by UVD's and SCAR / Small Parcels	10
Report to Court of Actions Taken and Penalties Consented to for Violations of TBI Regulations	11
Court Orders	12

PLATES

1 Financial Statement	
2 Land Use Audits	
3 Gila River Decreed Acreage and Diversions	
4 Annual River Flows & Diversions, Gila System	
5 San Carlos Apache Reservation, Farm Reports	
Duncan Valley	
6 Total Diversions	
7 Mass Diagram of Mean Daily Diversions	
8 Sunset Canal	
9 New Model Canal	
10 Valley Canal	
Safford Valley	
11 Total Diversions	
12 Mass Diagram of Mean Daily Diversions	
13 Consolidated Brown Canal	
14 San Jose Canal	
15 Fourness Canal	
16 Montezuma Canal	
17 Union Canal	
18 Graham Canal	
19 Smithville Canal	
20 Dodge-Nevada Canal	
21 Curtis Canal	
22 Fort Thomas Canal	
23 Colvin-Jones Canal	
24 San Carlos Apache Tribe	

Winkelman Valley	
25 ASARCO Incorporated, Mean Daily Diversions	
26 Town of Kearny, AZ, Mean Daily Diversions	
27 Mass Diagram of San Carlos Project	
28 Ashurst-Hayden Dam, Mean Daily Diversions	
29 Determination of Priority Water	
30 Table of Relative Diversion Rights - Gila System	
31 Table of Relative Diversion Rights - Duncan Valley	
32 Table of Relative Diversion Rights - Safford Valley	
33 Comparison, USGS Provisional Data vs Final Data	
34 Gila below Blue Creek near Virden, NM	
35 Gila River near Clifton, AZ	
36 San Francisco River at Clifton, AZ	
37 Gila River at Head of Safford Valley near Solomon, AZ	
38 Gila River at Calva, AZ	
39 San Carlos River at Peridot, AZ	
40 Gila River below Coolidge Dam	
41 Natural Flow Released at Coolidge Dam	
42 Stored Water Released at Coolidge Dam	
43 Gila River at Kelvin, AZ	
San Carlos Reservoir	
44 Operation of	
45 Mass Diagram of	
46 Water Surface Elevations	
47 Water Surface Areas	
48 Available Stored Water	
49 Daily Evaporation	
50 Daily Rainfall - Acre-feet	
51 Daily Rainfall - Inches	
52 Monthly Rainfall in Inches 1956 - 2021	

APPENDICES

2021 Pumping Reports.....	1
---------------------------	---

Office Of The Gila Water Commissioner

207 W 5TH (HWY 70)
Safford, Arizona 85546
928-428-3220

PERSONNEL

Patricia A. Doyle, Gila Water Commissioner	Safford, Arizona
B. Paul Curtis, Assistant Water Commissioner	Pima, Arizona
Casey L. Windsor, Water Specialist III	Safford, Arizona
Alissa Macias, Water Specialist II	Safford, Arizona

SOURCES OF DATA

Stream flow data of the Gila River, its tributaries, and the San Carlos Reservoir data, (except evaporation and rainfall at San Carlos Reservoir), are provided by the United States Geological Survey, Arizona Water Science Center. James Leenhouts is the Water Science Center Director.

Evaporation and rainfall recorded at San Carlos Reservoir are provided by San Carlos Irrigation Project. Ed Begay is the Project Manager.

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>

The vicinity of Cosper Crossing, in Duncan Valley, Arizona, is monitored daily, during periods that the Gila River is at low flow. The observer of Cosper Crossing is Tom Lovett, or 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, follows the natural geographical divisions of the Gila Valley.

Decreed acreage for each is as follows:

Duncan-Virden division, known as **Franklin Valley** consists of 7,919.76 decreed acres; with lands in Hidalgo County, New Mexico and Greenlee County, Arizona. **Safford Valley**, 31,344.58 decreed acres, comprising lands in Graham County, Arizona, outside of the San Carlos Reservation. **San Carlos Agency**, 1,000 decreed acres, located above the San Carlos Reservoir. **Winkelman Valley**, located in Gila and Pinal Counties, Arizona, totaling 1,335.16 decreed acres are divided into 440.43 decreed acres with diversion rights from the Gila River, and 894.73 decreed 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 102,090.50 decreed acres as follows:

San Carlos Project	Acres
San Carlos Irrigation & Drainage District	50,000.00
Indian Lands	50,000.00
Natural Flow Lands	1,544.50
Federal Agencies	546.00
	<hr/>
	102,090.50

The **Gila Crossing District**, under the Pima Agency at Sacaton, Arizona, has return flow rights for 2,992.50 acres.

The Total acreage under the Decree amounts to 144,584.73 acres.

DISTRIBUTION OF WATERS

Total Capacity of San Carlos Reservoir 861,540 ac-ft

January 1, 2021, Stored water in the San Carlos Reservoir: 19,538 ac-ft

December 31, 2021 Stored water in San Carlos Reservoir: 19,600 ac-ft

Percent of total capacity. 2.27% ac-ft

Apportioned to the Upper Valleys, (Franklin and Safford Valley), 1.22 ac-ft

A total of 1.22 acre-feet of water was allocated for each acre then being irrigated.

The Total of San Carlos Irrigation Project apportioned acre-feet

of pumped and stored water for each acre. 0.47 ac-ft

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: 119,523 ac-ft

Mean daily diversions of apportioned and priority water for each canal in the Duncan, Safford, Determination of when priority water was available is shown on plate 29.

2021 WATER SUPPLY

Total flow of the Gila River, as recorded at Gila River at Head of Safford Valley Near Solomon:	132,851 ac-ft
Total Inflow into the San Carlos Reservoir from the Gila River and the San Carlos River	104,682 ac-ft
Total water spilled and sluiced at Ashurt-Hayden Dam:	21,897 ac-ft

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
12/31/20	WET	REPORTED	10/12/21	WET	REPORTED
03/11/21	DRY	REPORTED			
07/26/21	WET	REPORTED			
09/22/21	DRY	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:

2021	Gila River below Blue Creek (good)*	San Francisco River at Clifton (good)*	Total	Gila at Calva (poor)*	Consumptive use	Accumulated Consumptive use
Jan.	4,519	2,678	7,197	1,050	6,147	6,147
Feb.	4,405	2,558	6,963	3,251	3,712	9,859
Mar.	4,703	3,336	8,039	1,645	6,394	16,253
Apr.	2,543	2,275	4,818	1,018	3,800	20,053
May	1,156	1,049	2,205	673	1,532	21,585
Jun.	128	499	627	349	278	21,863
Jul.	5,271	12,772	18,043	16,459	1,584	23,447
Aug.	11,331	15,185	26,516	22,956	3,560	27,007
Sep.	10,891	12,762	23,653	26,170	-2,517	24,490
Oct.	4,568	4,806	9,374	8,805	569	25,059
Nov.	3,918	2,370	6,288	4,235	2,053	27,112
Dec.	4,741	3,838	8,579	3,811	4,768	31,880
TOTALS	58,174	64,128	122,302	90,422	31,880	31,880

UPPER VALLEYS 2021 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.

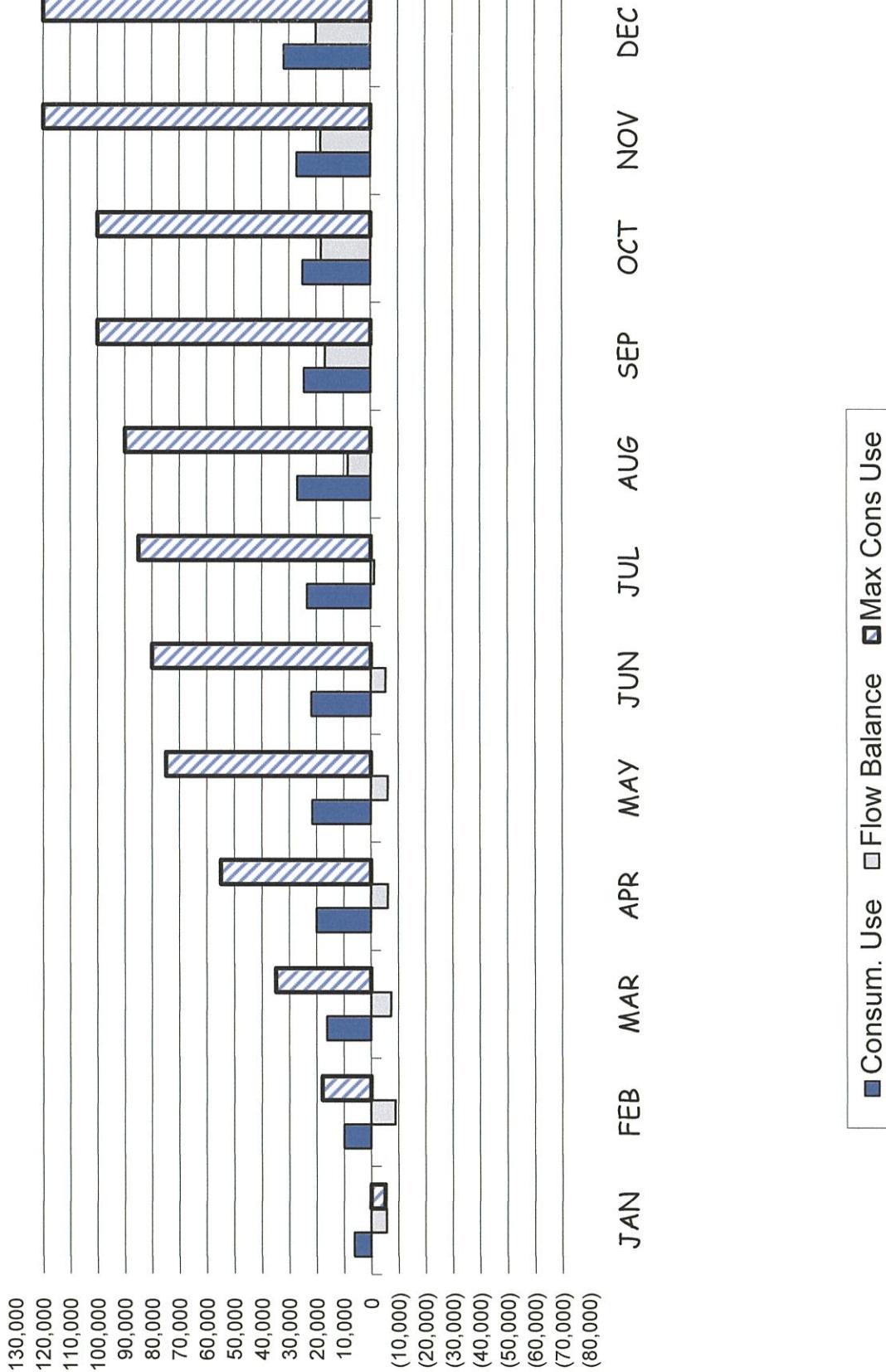
THIS TRACKING METHOD HAS NOT BEEN ADOPTED AS THE ONLY INDICATOR OR GUIDELINE IN PROJECTING
ACTUAL CONSUMPTIVE USE under the Gila Decree

Input data rounded to USGS standards - IN ACRE-FEET

MONTH	RESULT	UPPER VALLEYS and San Carlos Apache Tribe		HEAD OF STAFFORD VALLEY		FB = CALVVA - (INFLows - DIVERSIONS)				ACCUM. FLOW BALANCE	TOTAL INFLOW Gila + SF	MAXIMUM CONSUMPTIVE USE RECOMMENDED		
		ACCUm. RESULT	ACCUm. DIV'S	GILA RIVER FLOW	GILA R. ACCUM FLOW	FLOW BALANCE								
						FB	CALVVA	GILA	FRANCISCO	CLIFTON	DIV'S			
JAN	6,147	6,147	489	5,283	(5,658)	1,050	4,519	2,678	489	-5,658	7,197	75,000		
FEB	3,712	9,859	500	6,417	11,700	3,251	4,405	2,558	500	-8,870	6,963	75,000		
MAR	6,394	16,253	7,955	8,944	5,954	17,654	1,561	4,703	3,336	7,955	-7,309	8,039	75,000	
APR	3,800	20,053	4,979	13,923	4,481	22,135	1,179	1,018	2,543	2,275	4,979	-6,130	4,818	75,000
MAY	1,532	21,585	1,563	15,486	2,668	24,803	31	673	1,156	1,049	1,563	-6,099	2,205	75,000
JUN	278	21,863	1,017	16,503	1,242	26,045	739	349	128	499	1,017	-5,360	627	80,000
JUL	1,584	23,447	5,688	22,191	28,163	54,208	4,104	16,459	5,271	12,772	5,688	-1,256	18,043	85,000
AUG	3,560	27,007	13,270	35,461	25,887	80,095	9,710	22,956	11,331	15,185	13,270	8,454	26,516	90,000
SEP	-2,517	24,490	5,804	41,265	27,434	107,529	8,321	26,170	10,891	12,762	5,804	16,775	23,653	100,000
OCT	569	25,059	2,112	43,377	9,703	117,232	1,543	8,805	4,568	4,806	2,112	18,318	9,374	100,000
NOV	2,053	27,112	2,217	45,594	6,852	124,084	164	4,235	3,918	2,370	2,217	18,482	6,288	120,000
DEC	4,768	31,880	6,417	52,011	8,769	132,853	1,649	3,811	4,741	3,838	6,417	20,131	8,579	120,000
TOTALS	31,880			52,011	132,853	20,131	90,422	58,174	64,128	52,011		122,302		
Graph			Consum. Use								Flow Bal	River Flow	Max Cons Use	

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

CONSUMPTIVE USE RECOMMENDATIONS Vs CUMULATIVE FLOW BALANCE



2021

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	4519	4405	4702	2542	1156	128	5271	11331	10891	4567	3918	4741	58171
Duncan Valley Diversions	366	185	1854	1243	467	0	84	1137	636	441	482	77	6972
Gila River near Clifton	1842	3545	2728	1440	1337	805	6070	11861	9495	3620	3012	4562	50317
San Fran. River @ Clifton	2678	2558	3336	2275	1048	499	12772	15185	12761	4807	2370	3838	64128
Gila Solomon	5283	6417	5954	4480	2668	1241	28163	25887	27434	9703	6852	8769	132851
Safford Valley Diversions	123	272	5994	3734	1096	1016	5603	12135	5170	1670	1733	6340	44889
San Carlos Agency Divs.	0	43	108	0	0	0	0	0	0	0	0	0	151
Gila Calva	1050	3251	1645	1018	673	349	16459	22956	26170	8805	4235	3811	90422
San Carlos R. @ Peridot	0	4	220	95	10	0	3039	7868	1120	501	210	1171	14238
Stored Water	0	6036	11881	4267	0	0	18	0	7111	2751	1158	9721	42943
Gila Below Coolidge Dam	0	8589	13748	4744	0	0	280	3318	12665	8912	2193	13673	68122
Winkelman Divs. (Indust)	544	373	476	537	549	590	516	480	446	482	458	460	5911
Winkelman Divs. (Ag.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Gila River @ Kelvin	797	7635	12292	5360	416	0	4602	15596	11649	9219	1037	13781	82385
A-H Diversions	0	6725	12712	6133	166	63	0	0	10222	9581	800	15199	61601
A-H Spilled	803	337	0	0	0	0	4766	14880	744	169	123	75	21897
A-H Sluiced	0	0	0	0	0	0	0	0	0	0	0	0	0
A-H Total	803	7062	12712	6133	166	63	4766	14880	10966	9750	923	15274	83498
Loss Kelvin to A-H	6	-573	420	773	-250	63	164	-716	-683	531	-114	1493	1113
Sacaton Diversions													0

SUMMARY OF THE GILA RIVER SYSTEM

Quantities in Acre-feet

NATURAL FLOW FROM THE GILA RIVER AND TRIBUTARIES

2021

Gila River Below Blue Creek	58,171
San Francisco River at Clifton	64,128
San Carlos River near Peridot	14,238
Gain from Gila Below Coolidge Dam to Gila at Kelvin	14,263

INFLOWS, SAN CARLOS RESERVOIR

Gila River at Calva plus San Carlos River near Peridot	104,659
GILA RIVER BELOW COOLIDGE DAM	68,122

CONTENTS IN STORAGE, SAN CARLOS RESERVOIR

Available contents January 1, 2021	19,538
Available contents December 31, 2021.....	19,600

WATER DIVERTED FROM THE GILA RIVER

Duncan-Virden Valley canal diversions	6,972
Safford Valley canal diversions	44,889
San Carlos Apache Tribe	151
Winkelman Valley Agricultural diversions	0
Winkelman Valley industrial and municipal pumps	
ASARCO Incorporated	5,658
Town of Kearny	253
San Carlos Project	
Natural flow Ashurst-Hayden Dam	24,244
Stored water Ashurst-Hayden Dam	37,357
Natural flow Sacaton Dam	0
TOTAL DIVERSIONS	119,523
SPILED AND SLUICED ASHURT- HAYDEN DAM	21,897

SAN CARLOS RESERVOIR (SCR)

January 1, 2021 available stored water in the SCR acre-feet. (Plate 48)	19,559	ac-ft
Maximum storage for the year was September 10, 2021 (Plate 48)	40,925	ac-ft
Computed evaporation from the surface of the SCR (Plate 49)	6,929	ac-ft
Computed annual rainfall on SCR (Plate 50)	3,025	ac-ft
Computed bank storage for SCR (Plate 44).	35,985	ac-ft

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).

APPORTIONMENTS MADE DURING 2021

Article VIII (2) of the Decree entered on June 29, 1935 provides that on the first day of January of each calendar year, or as soon thereafter as there is water stored in San Carlos Reservoir [the "Reservoir"], which is available for release from Coolidge Dam for conveyance to and diversion on the lands of the San Carlos Project, the Gila Water Commissioner shall apportion for the ensuing irrigation year to the Upper Valley Defendants [UVDs] an amount of water equal to the available storage [after appropriate deductions for losses] and shall permit the diversion of said amount of water from the natural flow of the Gila River for irrigation of the lands of the UVDs in disregard of the prior rights of the plaintiff but within the duty of water limitations of the Decree [6 acre-feet per acre during each irrigation season] and subject to the actual consumptive use limitation of Article VIII (2). Said Article VIII (2) further provides that the Commissioner shall make additional apportionments from time to time if and when water shall flow into the Reservoir and shall be stored there and become added to the available stored water in the Reservoir, which apportionments shall be made and calculated in the same manner as the first apportionment. [Articles IX and X of the Decree provide that when, under the rule and method of apportionment stated in Article VIII, there is apportioned to the UVDs amounts of water from the natural flow of the Gila River, there also shall be apportioned to the parties named in Articles IX and X, for the purposes therein specified, an amount of water per acre corresponding with the amount per acre apportioned to the UVDs under Article VIII.]

The Court has ordered that only lands then being irrigated [TBI] may receive natural flow of the Gila River. Therefore, in allocating the apportionments made in pursuant to Article VIII (2), the Commissioner allocates the water apportioned to the lands of the UVDs to the lands reported as TBI. Because the amount of acreage reported as TBI may change from time to time, when the TBI acreage changes, it is necessary and appropriate for the Commissioner to re-allocate the amount of water apportioned under Article VIII (2). However, the total amount of water calculated and apportioned pursuant to Article VIII (2) does not change unless there has also been an additional apportionment because of added stored water available for release in the Reservoir.

Notwithstanding the foregoing, diversions from the natural flow of the Gila River shall not exceed the duty of water limitations of the Decree or the limitations otherwise specified in Articles IX and X of the Decree.

Apportionments continued:

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	01/08/21	100,546.00	0.360			0.36
2	09/03/21			0.11		0.47
TOTAL						0.47

SAN CARLOS RESERVOIR MINIMUM POOL

The Court filed an order on August 20, 1997, 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, 2021	0
January 31, 2021	0
February 28, 2021	0
March 31, 2021	0
April 30, 2021	0
May 31, 2021	0
June 30, 2021	0
July 31, 2021	0
August 31, 2021	0
September 30, 2021	0
October 31, 2021	0
November 30, 2021	0
December 31, 2021	0

FREEPORT-MCMORAN MORENCI, INCORPORATED

Provisional records of pumped flow from Black River and Eagle Creek wells by the Freeport-McMoRan Corporation show the following information with quantities in acre-feet:

2020	NET BLACK RIVER WATER PUMPED	NET UPPER EAGLE CREEK WATER PUMPED	TOTAL IMPORTED WATER PUMPED	TOTAL FMI PUMPING FROM S. F. RIVER & EAGLE CREEK BASIN	TOTAL GILA WATERS PUMPED BY FREEPORT McMORAN
January	842	466	1,308	2,290	982
February	1,119		1,119	2,100	981
March	1,094		1,094	1,513	419
April	1,171	754	1,925	1,921	
May	1,012	617	1,629	1,319	
June	198	1,553	1,751	1,182	
July	76	1,755	1,831	1,216	
August	356	1,480	1,836	1,180	
September	163	1,604	1,767	1,158	
October	120	1,701	1,821	1,301	
November	702	1,130	1,832	1,588	
December	745	691	1,436	1,536	100
TOTALS	7,598	11,751	19,349	18,304	2,482
By-pass					
TOTAL					2,482

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 2021 have been supplied to the Water Commissioner and summarized on Plate 5 of the 2021 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 2021. 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 2021

The Seasonal Average Salinity on October 31, 2021 was 3,510 uS/cm. Daily data in support of the above figures can be found in the Water Commissioner's 2021 monthly reports or can be seen at the office of the Gila Water Commissioner.

OFFICE OF THE
GILA WATER COMMISSIONER

P.O. Box 152
SAFFORD ARIZONA 85548

Patricia A. Doyle
GILA WATER COMMISSIONER
Phone: (928) 428-3220

UNITED STATES DISTRICT COURT
vs.
GILA VALLEY IRRIGATION DISTRICT et al.
Case No. CV31-59-TUC-SHR
(a/k/a Globe Equity No. 59.)

**GILA RIVER @ GERONIMO STATION
WATER QUALITY DATA
2021**

The following table for the year 2021 show daily flows and salinity at Geronimo Station

Any inconsistencies in the EC (uS/cm) readings may happen after sudden freshet occur in the Gila River. These sudden freshets dilute the salts in the river, causing the EC (uS/cm) readings to drop substantially low. The EC readings will remain low for a short period of time thereafter during the following low flows.

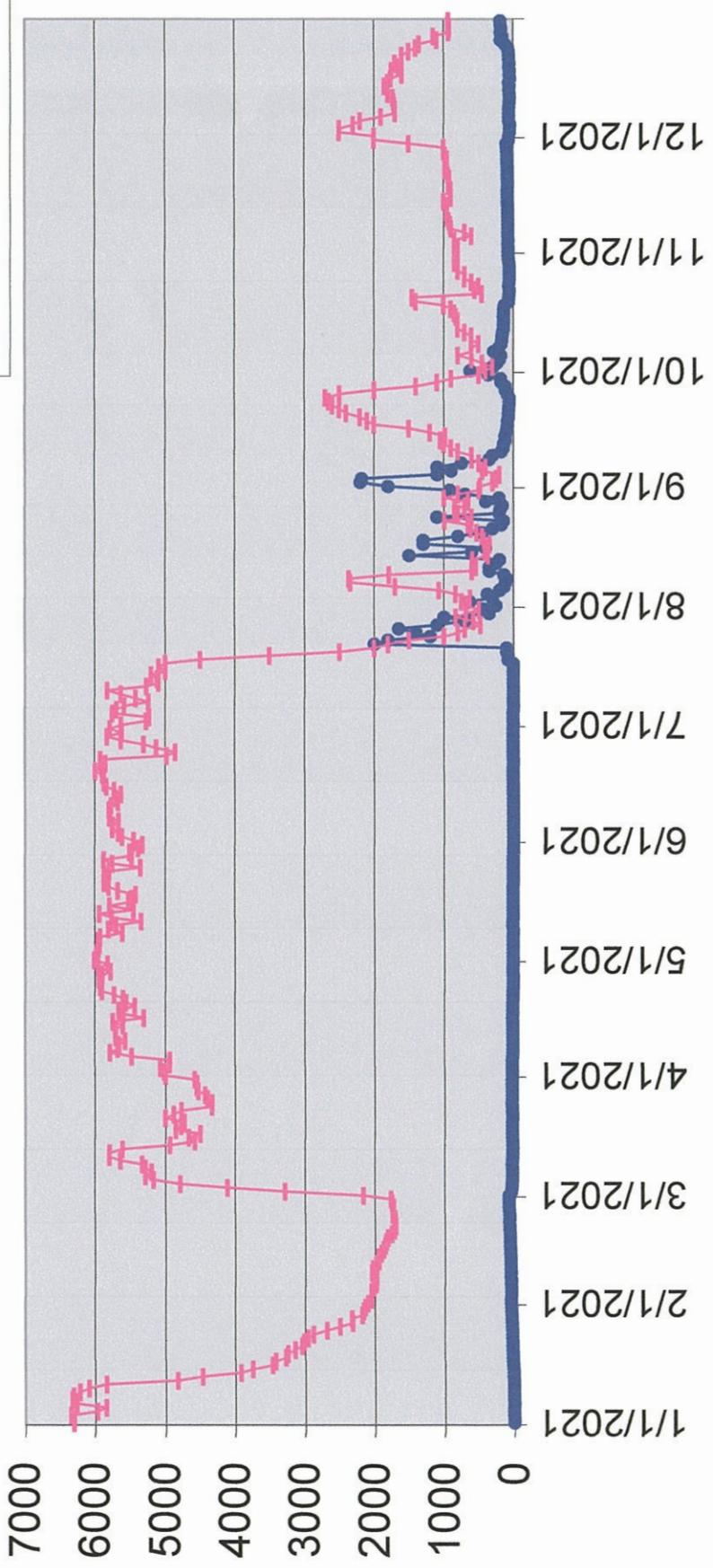
GERONIMO STATION WATER QUALITY REPORT
COMPARISON OF ELECTRIC CONDUCTIVITY TO FLOW
DAILY AVERAGE

Date:	Flow	EC									
	Cfs	MicroS-cm									
1-Jan	9	6309	1-Apr	28	4999	1-Jul	4	5622	1-Oct	620	400
2-Jan	9	6305	2-Apr	28	5021	2-Jul	5	5268	2-Oct	300	300
3-Jan	10	6350	3-Apr	27	5075	3-Jul	5	5228	3-Oct	240	450
4-Jan	10	5969	4-Apr	28	4943	4-Jul	5	5751	4-Oct	200	600
5-Jan	10	5842	5-Apr	26	4939	5-Jul	4	5691	5-Oct	180	800
6-Jan	9	6265	6-Apr	24	5478	6-Jul	4	5580	6-Oct	280	600
7-Jan	10	6328	7-Apr	21	5788	7-Jul	5	5240	7-Oct	210	600
8-Jan	10	6310	8-Apr	20	5676	8-Jul	5	5420	8-Oct	173	500
9-Jan	10	6221	9-Apr	21	5656	9-Jul	5	5632	9-Oct	163	600
10-Jan	10	6088	10-Apr	20	5568	10-Jul	5	5824	10-Oct	159	600
11-Jan	12	5838	11-Apr	20	5704	11-Jul	5	5269	11-Oct	150	700
12-Jan	13	4827	12-Apr	21	5700	12-Jul	5	5100	12-Oct	140	800
13-Jan	14	4471	13-Apr	21	5710	13-Jul	5	5120	13-Oct	140	800
14-Jan	15	3918	14-Apr	18	5601	14-Jul	5	5200	14-Oct	136	800
15-Jan	17	3751	15-Apr	20	5745	15-Jul	5	5000	15-Oct	140	825
16-Jan	20	3464	16-Apr	22	5304	16-Jul	5	5095	16-Oct	135	850
17-Jan	22	3420	17-Apr	20	5594	17-Jul	5	5000	17-Oct	134	900
18-Jan	23	3273	18-Apr	19	5661	18-Jul	80	4500	18-Oct	128	1000
19-Jan	25	3247	19-Apr	20	5432	19-Jul	80	3500	19-Oct	64	1400
20-Jan	27	3143	20-Apr	21	5557	20-Jul	100	2500	20-Oct	59	1450
21-Jan	28	3042	21-Apr	21	5602	21-Jul	100	2000	21-Oct	55	450
22-Jan	28	3016	22-Apr	19	5728	22-Jul	2000	1800	22-Oct	53	550
23-Jan	30	2955	23-Apr	18	5904	23-Jul	1800	1500	23-Oct	59	500
24-Jan	32	2878	24-Apr	17	5927	24-Jul	1200	1000	24-Oct	55	600
25-Jan	33	2684	25-Apr	17	5925	25-Jul	1400	800	25-Oct	57	700
26-Jan	36	2497	26-Apr	16	5946	26-Jul	1650	700	26-Oct	56	700
27-Jan	36	2318	27-Apr	17	5900	27-Jul	1100	473	27-Oct	55	800
28-Jan	40	2330	28-Apr	18	5778	28-Jul	700	575	28-Oct	55	800
29-Jan	42	2182	29-Apr	18	5953	29-Jul	1000	834	29-Oct	60	850
30-Jan	43	2159	30-Apr	17	5819	30-Jul	350	680	30-Oct	70	850
31-Jan	45	2137	1-May	16	6009	31-Jul	420	495	31-Oct	75	800
1-Feb	47	2099	2-May	16	5980	1-Aug	250	674	1-Nov	75	805
2-Feb	47	2046	3-May	16	5967	2-Aug	630	749	2-Nov	75	800
3-Feb	48	2044	4-May	16	5954	3-Aug	300	626	3-Nov	76	850
4-Feb	48	2052	5-May	15	5937	4-Aug	380	835	4-Nov	75	850
5-Feb	50	2021	6-May	14	5958	5-Aug	200	1075	5-Nov	77	600
6-Feb	52	1986	7-May	14	5926	6-Aug	140	1701	6-Nov	77	700
7-Feb	50	1978	8-May	13	5609	7-Aug	120	2346	7-Nov	78	900
8-Feb	55	1975	9-May	13	5807	8-Aug	96	2365	8-Nov	78	910
9-Feb	53	2044	10-May	14	5698	9-Aug	140	1788	9-Nov	79	930
10-Feb	55	2030	11-May	14	5341	10-Aug	350	600	10-Nov	78	950
11-Feb	55	1985	12-May	12	5760	11-Aug	350	544	11-Nov	79	970
12-Feb	57	1942	13-May	12	5935	12-Aug	250	598	12-Nov	77	950
13-Feb	58	1949	14-May	12	5449	13-Aug	200	589	13-Nov	79	960
14-Feb	59	1909	15-May	12	5790	14-Aug	1500	365	14-Nov	80	1000
15-Feb	61	1878	16-May	13	5520	15-Aug	600	410	15-Nov	81	900
16-Feb	63	1852	17-May	12	5481	16-Aug	400	398	16-Nov	81	900
17-Feb	63	1836	18-May	11	5419	17-Aug	1300	340	17-Nov	81	900
18-Feb	64	1814	19-May	12	5673	18-Aug	1300	418	18-Nov	78	930
19-Feb	66	1756	20-May	10	5805	19-Aug	800	450	19-Nov	78	930
20-Feb	67	1719	21-May	8	5871	20-Aug	450	528	20-Nov	80	920
21-Feb	69	1700	22-May	8	5854	21-Aug	300	613	21-Nov	83	940
22-Feb	71	1701	23-May	8	5867	22-Aug	175	650	22-Nov	80	980
23-Feb	70	1711	24-May	8	5794	23-Aug	145	995	23-Nov	81	970
24-Feb	70	1744	25-May	9	5349	24-Aug	1100	600	24-Nov	86	980
25-Feb	72	1741	26-May	8	5750	25-Aug	200	800	25-Nov	85	950
26-Feb	77	1733	27-May	8	5872	26-Aug	190	850	26-Nov	85	980
27-Feb	77	1752	28-May	8	5473	27-Aug	160	700	27-Nov	88	1000
28-Feb	78	1768	29-May	8	5506	28-Aug	400	650	28-Nov	92	1000
1-Mar	78	2164	30-May	8	5383	29-Aug	210	1000	29-Nov	97	1500
2-Mar	44	3286	31-May	8	5325	30-Aug	700	800	30-Nov	65	2000
3-Mar	36	4112	1-Jun	9	5449	31-Aug	920	500	1-Dec	60	2000
4-Mar	32	4788	2-Jun	7	5615	1-Sep	1800	480	2-Dec	51	2500
5-Mar	28	5169	3-Jun	8	5667	2-Sep	2200	300	3-Dec	51	2500
6-Mar	27	5286	4-Jun	8	5753	3-Sep	2180	250	4-Dec	50	2300
7-Mar	28	5198	5-Jun	8	5748	4-Sep	1100	200	5-Dec	63	2200
8-Mar	26	5285	6-Jun	8	5665	5-Sep	900	450	6-Dec	63	1900
9-Mar	30	5329	7-Jun	8	5795	6-Sep	1100	400	7-Dec	63	1700
10-Mar	26	5638	8-Jun	7	5783	7-Sep	750	500	8-Dec	65	1700
11-Mar	23	5795	9-Jun	7	5800	8-Sep	350	600	9-Dec	62	1710
12-Mar	23	5797	10-Jun	7	5771	9-Sep	300	600	10-Dec	58	1720
13-Mar	24	5610	11-Jun	7	5670	10-Sep	175	800	11-Dec	54	1730
14-Mar	28	4936	12-Jun	6	5700	11-Sep	145	900	12-Dec	56	1800
15-Mar	28	4583	13-Jun	7	5626	12-Sep	140	1000	13-Dec	60	1800
16-Mar	30	4668	14-Jun	6	5727	13-Sep	115	1050	14-Dec	57	1850
17-Mar	32	4506	15-Jun	5	5837	14-Sep	118	980	15-Dec	64	1800
18-Mar	30	4853	16-Jun	5	5868	15-Sep	100	1200	16-Dec	47	1760
19-Mar	30	4776	17-Jun	5	5871	16-Sep	90	1500	17-Dec	55	1600
20-Mar	30	4730	18-Jun	5	5891	17-Sep	80	2000	18-Dec	51	1750
21-Mar	26	5004	19-Jun	5	5992	18-Sep	80	2100	19-Dec	60	1650
22-Mar	27	4883	20-Jun	5	5901	19-Sep	70	2200	20-Dec	56	1700
23-Mar	30	4773	21-Jun	4	5849	20-Sep	69	2400	21-Dec	60	1600
24-Mar	31	4337	22-Jun	4	5921	21-Sep	65	2500	22-Dec	60	1600
25-Mar	34	4330	23-Jun	5	4979	22-Sep	60	2600	23-Dec	66	1500
26-Mar	31	4397	24-Jun	5	4853	23-Sep	60	2650	24-Dec	76	1400
27-Mar	33	4436	25-Jun	5	5128	24-Sep	60	2700	25-Dec	120	1350
28-Mar	31	4534	26-Jun	5	5306	25-Sep	90	2500	26-Dec	180	1100
29-Mar	30	4554	27-Jun	5	5628	26-Sep	115	2000	27-Dec	156	1150
30-Mar	31	4551	28-Jun	5	5825	27-Sep	120	1400	28-Dec	180	930
31-Mar	32	4582	29-Jun	5	5614	28-Sep	175	1100	29-Dec	170	920
			30-Jun	5	5785	29-Sep	185	900	30-Dec	180	940
						30-Sep	360	500	31-Dec	185	930

**WATER QUALITY DATA
@
GERONIMO STATION**

• RIVER FLOW CFS

— EC = us/cm



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 her yearly report, any actions reported by the Gila Valley Irrigation District.

The Commissioner’s Office has not received letters for the months of January through December 2021, informing the Commissioner that no actions, other than the monitoring of the salinity at the head of the San Jose Canal and at the Geronimo Station were taken by the G.V.I.D to improve the water quality in the Gila River during the year 2021.

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), with in 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 2021), 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 2021.

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	36.64	7.74	13.29	0.00	0.00	0.00	0.00	21.03
Safford Valley	178.42	102.64	0.00	0.00	0.00	0.00	0.00	102.64
Lower Valley SCIDD	19.20	4.11	0.00	0.00	0.00	1.00	0.00	5.11
TOTAL	234.26	114.49	13.29	0.00	0.00	1.00	0.00	128.78

The percent of Small Parcel TBI decreed lands irrigated in 2021 was 55.0 percent of the total Small Parcel decreed lands submitted to the Commissioner’s Office in 2021.

1 Patricia A. Doyle
2 GILA WATER COMMISSIONER
3 P.O. Box 152
Safford, AZ 85548
Telephone (928) 428-3220

**UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF ARIZONA**

9 UNITED STATES OF AMERICA,
10 Plaintiff, and
11 GILA RIVER INDIAN COMMUNITY,
12 Plaintiff in Intervention and
13 SAN CARLOS APACHE TRIBE,
14 Plaintiff in Intervention,
15 vs.
16 GILA VALLEY IRRIGATION
17 DISTRICT, et al.,
18 Defendants.

**Case No.: CV31-59-TUC-SHR
(a/k/a Globe Equity No. 59)**

(Assigned to Hon. Scott H. Rash)

**REPORT OF GILA WATER
COMMISSIONER OF ACTIONS
TAKEN TO RESOLVE VIOLATIONS
OF "THEN BEING IRRIGATED" (TBD)
REGULATIONS IN CALENDAR
YEAR 2021**

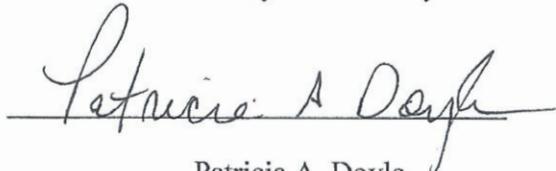
21 The Court in its Final Memorandum and Order dated September 18, 1992 and
22 Phase IV Memorandum and Order dated April 14, 1995, ordered that TBI regulations be
23 adopted. The TBI Regulations were approved and adopted by the court by order dated
24 June 3, 1996. These Regulations require the Gila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

1 Regulations have occurred. The Commissioner is authorized by the regulations to
2 informally resolve violations as outlined in Section 4.1 of the Regulations. Pursuant to
3 the Regulations the Commissioner shall file with the Court a written summation of the
4 actions taken by the Commissioner to resolve such violations and the penalty assessed
5 and consented to and shall include the summation in the Monthly Report next filed with
6 the Court and in the Annual Report filed 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 2021 were determined and resolved as follows:

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

11 Respectfully submitted this 2nd day of February 2022.

12 
13 Patricia A. Doyle

14 Patricia A. Doyle
15 Gila Water Commissioner
16
17
18
19
20
21
22
23
24
25

Attachment "A"

Pursuant to the Gila Water Commissioner's TBI audit procedure, the following is a summary of the results of the audit and investigation by the Gila Water Commissioner's Office of the apparent violations and the findings and action taken by the Commissioner for 2021:

Franklin Valley Irrigation District (FID):

2021 Decreed acreage reported:	6,723.06
2021 TBI acreage reported:	4,485.97
TBI acreage audited:	1069.27
Percentage of TBI acreage audited for 2021:	23.84%
Crop Audit conducted twice annually	100%

2021 Pivots:

Parcel 50035004 Virden Rd. NW 45S E4 of SEC 20	Affidavit Letter, No Violation
Rail Road Wash Pivot	Affidavit Letter, No Violation
19S 21W 13 (NENE)	Affidavit Letter, No Violation
19S 20W 07 (SWSW)	Affidavit Letter, No Violation

Audit resulted in 0.00 acres in possible violation.

Gila Valley Irrigation District (GVID):

2021 Decreed acreage reported:	31,344.58
2021 TBI acreage reported:	21,891.03
TBI acreage audited:	4196.57
Percentage of TBI acreage audited for 2021:	19.17%
Crop Audit conducted twice annually	100%

Audit resulted in 0.00 acres in possible violation.

San Carlos Irrigation & Drainage District (SCIDD):

2021 Decreed acreage reported:	50,000.00
2021 TBI Acreage reported:	574.73
TBI acreage audited:	438.00
Percentage of TBI acreage audited for 2021:	76.21%

Audit resulted in 0.00 acres in possible violation.

Gila River Indian community (GRIC):

2021 Decreed acreage reported:	50,546.00
2021 TBI acreage reported:	17,818.18
TBI acreage audited:	3466.25
Percentage of TBI acreage audited for 2021:	19.45%

Audit resulted in 0.00 acres in possible violation.

San Carlos Apache Tribe (SCAR):

2021 Decreed acreage reported:	1,000.00
2021 TBI acreage reported:	259.73
TBI acreage audited:	259.73
Percentage of TBI acreage audited for 2021:	100%

Supplement filled pulling out 188.73 TBI acreage. Audit resulted in 0.00 acres in possible violation.

Alissa Macias

Alissa Macias

Water Specialist II

2/1/22

Date

Patricia A. Doyle

Patricia A. Doyle
Water Commissioner

2-2-22

Date

2021

SIGNIFICANT COURT ORDERS

Note: For a complete list of court orders, parties should access the Court's Docket for Case No. CV-31-0059-TUC-SHR which can be found at <http://www.azd.uscourts.gov/>

<u>Date of Order</u>	<u>Order</u>
1/14/2021	Order approving GWC 2021 Budget
3/5/2021	Document 266 Order of Abandonment Neville
3/5/2021	Document 44 Amend Order Cranford
3/22/2021	Order Granting First Motion
4/21/2021	Document 273 Order Abandonment
4/21/2021	Document 278 Order of Abandonment
4/27/2021	Document 287 Amending Dec 9 2020 Scheduling Order
5/17/2021	Document 279 Attachements Of Maps for Order 4/21/2022
5/17/2021	Document 283 Judgement Concha Aragon Bible Pina Stacy
6/1/2021	Document 297 of Abandonment 99 Ranch
6/21/2021	Document 296 Order of Abandoment Busby
6/22/2021	Document 300 Dismissing Kaler Ranch LLC
6/22/2021	Document 297 Order of Abandoment Second Farmer
6/22/2021	Document 300 Order Dismissing Kaler Ranch
9/15/2021	Document 312 Order of Abandonment Third Farmer
9/28/2021	Document 316 Order of Abandonment of Fourth Farmer Defendants
11/9/2021	Document 70 Amended Answer
11/12/2021	Document 328 Order of Stipulation GRIC Ft. Thomas School
11/12/2021	Document 329 Order of Stipulation GRIC Duncan School
11/12/2021	Document 330 Order of Stipulation GRIC GC College
11/12/2021	Document 331 Order of Abandonment Ft Thomas School

2021

SIGNIFICANT COURT ORDERS

Date of Order

Order

11/12/2021 Document 332 Order of Abandonment GC College

11/21/2021 Document 333 Order of Abandonment Duncan School

11/16/2021 Document 334 Order of Abandonment T. Bowman and S. Bowman

2021
FINANCIAL STATEMENT
WATER COMMISSIONER'S ACCOUNT

RECEIPTS

Plaintiffs

San Carlos Irrigation Project
 San Carlos Agency
 Gila Crossing

General	Settlement	Totals	
\$450,207.30	\$70,442.45	\$520,649.75	
\$4,970.00 -		\$4,970.00	
\$14,872.73	\$2,064.83	\$16,937.55	
\$ 470,050.03	\$ 72,507.27	\$ 542,557.30	\$542,557.30

Defendants

Gila Valley Irrigation District
 Franklin Irrigation District
 Sunset Ditch Company
 New Model Canal Company
 ASARCO
 Town of Kearny
 York Valley & Winkelman Valley

\$150,913.16	\$20,951.73	\$171,864.88	
\$17,250.92	\$2,395.00	\$19,645.92	
\$11,925.76	\$1,655.69	\$13,581.45	
\$2,068.51	\$287.18	\$2,355.69	
\$9,718.51 -		\$9,718.51	
\$505.60 -		\$505.60	
\$1,108.31 -		\$1,108.31	
\$193,490.77	\$25,289.59	\$218,780.36	\$218,780.36

Miscellaneous Receipts
 Interest Income
 Supplemental Reports
 Esri Refund

\$282.74	\$282.74	
\$168.79	\$168.79	
\$0.00	\$0.00	
\$262.18	\$262.18	
\$713.71	\$713.71	\$713.71

Total Receipts **\$762,051.37**

DISBURSEMENTS

Personnel

Patricia A. Doyle
 Paul Curtis
 Casey Windsor
 Alissa Macias

General	Settlement	Totals	
\$99,175.00	\$8,000.00	\$107,175.00	
\$81,038.50	\$15,000.00	\$96,038.50	
\$60,296.00	\$10,500.00	\$70,796.00	
\$53,232.00	\$7,500.00	\$60,732.00	\$334,741.50

Employer taxes and contributions

Federal Unemployment Tax
 Medicare
 Social Security

\$1,680.00	\$1,680.00	
\$4,945.81	\$4,945.81	
\$21,147.61	\$21,147.61	\$27,773.42

Overtime Weekend

Casey Windsor
 Alissa Macias

\$3,458.06	\$3,458.06	
\$2,890.80	\$2,890.80	
6,348.86	\$6,348.86	\$6,348.86

Employee Benefit Plan

Retirement
 Medical Insurance
 Copper Point Workman's Comp
 Yearly Pension Plan Administration
 Charles Whetstone

\$20,617.64	\$20,617.64	
\$69,418.66	\$69,418.66	
\$8,612.00	\$8,612.00	
1,589.67	\$1,589.67	
432.00	\$432.00	
\$100,669.97	\$100,669.97	\$100,669.97

Travel plus Allowance

Patricia A. Doyle
 Paul Curtis
 Casey Windsor
 Alissa Macias

\$2,190.05	\$0.00	\$2,190.05	
\$1,619.36	\$228.52	\$1,847.88	
\$2,315.65	\$150.22	\$2,465.87	
\$1,194.60	\$765.40	\$1,960.00	
\$7,319.66	\$1,144.14	\$8,463.80	\$8,463.80

Attorney Fees

Doug Behm

\$117,817.90	\$117,817.90	\$117,817.90
---------------------	---------------------	---------------------

Geronimo Station expenses

Joint Funding (Stream flow records)

University of Arizona

Capital Purchases

Computer and Software
 Database

\$2,875.02	\$0.00	\$2,875.02	
\$166,275.00		\$166,275.00	
	\$2,600.00	\$2,600.00	
			\$171,750.02
\$390.00	\$390.00	\$390.00	
	\$5,474.93	\$5,474.93	
\$390.00	\$5,474.93	\$5,864.93	\$5,864.93

Expenses

Communications
 Insurance & Bonds
 Office Expenses
 Field Expenses
 Rent and Utilities
 Contingency Fund

\$1,500.00	\$1,500.00	
\$8,102.73		\$8,102.73
\$14,239.06	\$100.00	\$14,339.06
\$554.87		\$554.87
\$16,008.48	\$8,817.39	\$24,825.87
\$0.00	\$0.00	\$0.00
\$40,405.14	\$8,917.39	\$49,322.53
		\$49,322.53

Total Disbursements **\$822,752.93**

Total Receipts **\$762,051.37**

Total Remaining **(\$60,701.56)**

Land Use Audits 2021

**Patricia A. Doyle
GILA WATER COMMISSIONER
P.O. Box 152
Safford, AZ 85548
Telephone (928) 428-3220**

**UNITED STATES DISTRICT COURT
FOR THE DISTRICT OF ARIZONA**

9 UNITED STATES OF AMERICA,
10 Plaintiff, and
11 GILA RIVER INDIAN COMMUNITY,
12 Plaintiff in Intervention and
13 SAN CARLOS APACHE TRIBE,
14 Plaintiff in Intervention,
15 vs.
16 GILA VALLEY IRRIGATION
17 DISTRICT, et al.,
18 Defendants.

**Case No.: CV31-59-TUC-SHR
(a/k/a Globe Equity No. 59)**

(Assigned to Hon. Scott H. Rash)

**REPORT OF GILA WATER
COMMISSIONER OF ACTIONS
TAKEN TO RESOLVE VIOLATIONS
OF "THEN BEING IRRIGATED" (TBD)
REGULATIONS IN CALENDAR
YEAR 2021**

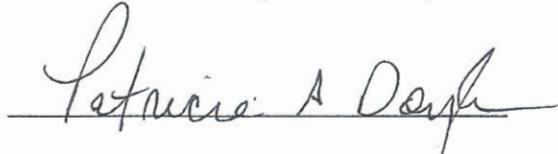
21 The Court in its Final Memorandum and Order dated September 18, 1992 and
22 Phase IV Memorandum and Order dated April 14, 1995, ordered that TBI regulations be
23 adopted. The TBI Regulations were approved and adopted by the court by order dated
24 June 3, 1996. These Regulations require the Gila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

1 Regulations have occurred. The Commissioner is authorized by the regulations to
2 informally resolve violations as outlined in Section 4.1 of the Regulations. Pursuant to
3 the Regulations the Commissioner shall file with the Court a written summation of the
4 actions taken by the Commissioner to resolve such violations and the penalty assessed
5 and consented to and shall include the summation in the Monthly Report next filed with
6 the Court and in the Annual Report filed 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 2021 were determined and resolved as follows:

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

11 Respectfully submitted this 2nd day of February 2022.

12 
13 _____

14 Patricia A. Doyle
15 Gila Water Commissioner
16
17
18
19
20
21
22
23
24
25

Attachment "A"

Pursuant to the Gila Water Commissioner's TBI audit procedure, the following is a summary of the results of the audit and investigation by the Gila Water Commissioner's Office of the apparent violations and the findings and action taken by the Commissioner for 2021:

Franklin Valley Irrigation District (FID):

2021 Decreed acreage reported:	6,723.06
2021TBI acreage reported:	4,485.97
TBI acreage audited:	1069.27
Percentage of TBI acreage audited for 2021:	23.84%
Crop Audit conducted twice annually	100%

2021 Pivots:

Parcel 50035004 Virden Rd. NW 45S E4 of SEC 20	Affidavit Letter, No Violation
Rail Road Wash Pivot	Affidavit Letter, No Violation
19S 21W 13 (NENE)	Affidavit Letter, No Violation
19S 20W 07 (SWSW)	Affidavit Letter, No Violation

Audit resulted in 0.00 acres in possible violation.

Gila Valley Irrigation District (GVID):

2021 Decreed acreage reported:	31,344.58
2021 TBI acreage reported:	21,891.03
TBI acreage audited:	4196.57
Percentage of TBI acreage audited for 2021:	19.17%
Crop Audit conducted twice annually	100%

Audit resulted in 0.00 acres in possible violation.

San Carlos Irrigation & Drainage District (SCIDD):

2021 Decreed acreage reported:	50,000.00
2021 TBI Acreage reported:	574.73
TBI acreage audited:	438.00
Percentage of TBI acreage audited for 2021:	76.21%

Audit resulted in 0.00 acres in possible violation.

Gila River Indian community (GRIC):

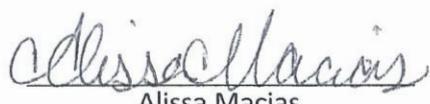
2021 Decreed acreage reported:	50,546.00
2021 TBI acreage reported:	17,818.18
TBI acreage audited:	3466.25
Percentage of TBI acreage audited for 2021:	19.45%

Audit resulted in 0.00 acres in possible violation.

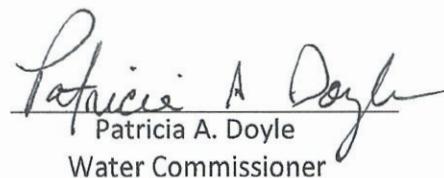
San Carlos Apache Tribe (SCAR):

2021 Decreed acreage reported:	1,000.00
2021 TBI acreage reported:	259.73
TBI acreage audited:	259.73
Percentage of TBI acreage audited for 2021:	100%

Supplement filled pulling out 188.73 TBI acreage. Audit resulted in 0.00 acres in possible violation.


Alissa Macias
Water Specialist II

2/1/22
Date


Patricia A. Doyle
Water Commissioner

2-2-22
Date

CALENDAR YEAR 2021
GILA RIVER DECREED ACREAGES AND DIVERSIONS

<u>DUNCAN VALLEY CANALS</u>	<u>Acreages</u>	<u>TBI Acres</u>	<u>Acre-feet</u>	<u>T B I a-f/a</u>
Sunset	2,759.90	2,169.47	3,795	1.75
New Model	2,576.31	1,608.40	2,062	1.28
Valley	1,386.85	708.10	1,115	1.57
Colmenero	441.00	0.00	0	0.00
Sexton	137.90	0.00	0	0.00
R. Sexton	144.10	0.00	0	0.00
York	315.10	0.00	0	0.00
Albert	8.80	0.00	0	0.00
F E Ross	11.60	0.00	0	0.00
R K Davis	26.30	0.00	0	0.00
J H Brown	25.60	0.00	0	0.00
York Cattle	49.80	0.00	0	0.00
Laura Short	36.50	0.00	0	0.00
Totals	7,919.76	4,485.97	6,972	1.55

Monthly modification of T.B.I. Acres are shown on diversion plates.

SAFFORD VALLEY DIVERSIONS

Consolidated Brown	1,311.28	824.00	1,502	1.82
Fourness	210.70	161.40	72	0.45
San Jose	4,119.58	3,233.83	8,499	2.63
Montezuma	4,715.78	3,039.46	6,479	2.13
Union	7,191.72	4,766.39	12,555	2.63
Graham	4,102.49	3,203.51	5,204	1.62
Smithville	2,383.00	1,990.44	2,644	1.33
Dodge-Nevada	2,516.54	1,889.40	2,457	1.30
Curtis	1,971.70	1,578.40	3,923	2.49
Fort Thomas	2,615.89	1,204.20	1,554	1.29
Colvin-Jones	205.90	0.00	0	0.00
Totals	31,344.58	21,891.03	44,889	2.05

Monthly modification of T.B.I. Acres are shown on diversion plates.

SAN CARLOS APACHE RESERVATION

Black Point	73.40	67.61	0	0.00
Bylas (Navajo Point)	152.20	145.08	0	0.00
Anderson Flat	85.80	71.00	151	2.12
Non-designated lands	688.60	0.00	0	0.00
Totals	1,000.00	283.69	151	2.12

Monthly modification of T.B.I. Acres are shown on diversion plates.

WINKELMAN VALLEY

Industrial/Municipal (ASARCO) ^[1]	793.00	793.00	5,658	
Domestic/Municipal (Kearny, Arizona)	101.73	101.73	253	2.49
Farmlands	244.16	0.00	0	
J J Anderson	196.27	0.00	0	
Totals	1,335.16	894.73	5,911	2.49

Monthly modification of T.B.I. Acres are shown on diversion plates.

<u>UNITED STATES OF AMERICA</u>	<u>Acreages</u>	<u>T B I Acres</u>	<u>Nat. flow</u>	<u>Acre-feet</u>	<u>Decreed</u>	<u>TBI</u>
					<u>Duty a-f/a</u>	<u>Duty a-f/a</u>
Indian lands (Allotted/Tribal):	50,000.00	17,818.18		10,155	0.2	0.57
Federal Agencies	546.00	0.00	Stored	10,565	0.21	0.59
	50,546.00	17,818.18		20,720	0.41	1.16
 White Lands:						
San Carlos Irrigation & Drainage Dist.	50,000.00	46.73	Nat. flow	6,736	0.13	144.15 *
			Stored	20,188	0.4	432.01 *
	50,000.00	46.73		26,924	0.54	576.16 *
Natural Flow Lands	1,544.50	528.00		0	0	0.00
	51,544.50	574.73		26,924	0.52	46.85
 Totals	102,090.50	18,392.91		47,644	0.47	2.59
	102,090.50	18,392.91	Nat. flow	16,891	0.17	0.92
	100,546.00	18,392.91	Stored	30,753	0.30	1.67

Diversions from Picacho Reservoir are reflected above.

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

* San Carlos Irrigation & Drainage District reported TBI of 13,604.62 acres in April 2021. Then reported 574.73 acres for May through December 2021. We use natural flow numbers reported by SCIP.

1936-2021

GILA RIVER FLOWS & DIVERSIONS, GILA RIVER SYSTEM

Quantities to closest thousand acre-feet

Year	Duncan												Gila												A-H	
	Gila Blue	Divs.	Gila Valley	Gila Clifton	San Fran.	Gila Solomon	San Simon	Safford Valley	Gain Safford Valley	SCAR Divs.	Gila Calva	San Carlos Peridot	Maximum Stored Water	Below Coolidge Dam	Gila Winke-Iman	ASARCO Divs.	J. J. And. Divs.	Town of Kearny Divs.	Gila Kelvin	A-H Divs.	Spilled Sluiced	A-H Total	Kelvin to A-H	Sacaton Divs.		
1936	90	39	76	98	*217	14	132	51		150	45	193	237	#				306	244	#	#	#	4.6			
1937	206	40	180	181	*418	3	161	60		321	46	269	298	#				375	302	24	327	(48)	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	156	(20)	1.3			
1940	146	40	131	134	*303	11	100	7		220	52	113	143	#				268	155	49	204	(64)	2.5			
1941	435	34	407	382	918	13	151	120		900	172	775	240	#				458	295	125	420	(38)	1.4			
1942	111	36	99	101	222	8	172	83		141	21	819	373	374				396	372	12	384	(12)	0.2			
1943	71	32	69	57	151	15	122	49		93	29	563	357	360				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)	0.6			
1945	109	28	101	90	220	11	149	36		118	16	124	193	196				241	200	19	219	(22)	0.8			
1946	53	14	49	52	116	3	70	5		54	16	29	62	71				103	84	8	92	(11)	0.8			
1947	45	10	#	41	100	4	52	-13		39	11	19	55	59				82	68	7	76	(6)	0.5			
1948	86	9	#	69	148	5	40	-33		80	10	15	65	61				87	71	6	77	(10)	0.1			
1949	303	25	269	255	569	15	168	-4		411	22	260	277	275				317	260	24	284	(48)	0.1			
1950	49	13	40	34	87	6	69	5		30	6	94	123	123				156	116	11	127	(29)	0.1			
1951	33	3	32	36	79	7	26	-18		42	17	8	41	53				76	47	10	56	(20)	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	86	22		132	27	109	94	107				226	113	118	231	5	0.2			
1956	24	8	18	26	49	1	43	0		7	12	78	79	79				89	73	2	76	(13)	0.0			
1957	121	11	94	108	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	(23)	0.0			
1960	138	15	110	143	285	2	111	-13		163	33	223	252	259				290	241	26	267	(23)	0.0			
1961	73	8	56	98	159	20	36	-34		110	21	70	41	60				88	61	8	69	(19)	0.0			
1962	211	21	173	208	410	4	135	-37		242	22	169	228	237				253	220	7	227	(26)	0.0			
1963	130	20	108	138	273	3	101	-8		167	31	132	167	178				226	186	19	205	(21)	0.0			
1964	69	12	54	69	142	10	70	-4		78	11	66	91	97				157	120	19	139	(18)	0.0			
1965	161	18	137	222	395	8	93	-51		260	110	253	117	134				240	137	163	300	60	0.0			
1966	209	23	191	205	433	4	133	66		371	21	504	251	283				348	298	29	326	(22)	0.0			
1967	115	16	107	158	259	12	90	10		190	38	324	249	273				380	260	88	348	(32)	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	89	20		56	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				261	224	9	234	(27)	0.0			
1971	89	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	118	294	75	0.0			
1973	314	20	292	339	671	1	125	27		575*	63	843	298	312				373	324	30	355	(18)	0.0			
1974	59	13	56	49	115	5	80	8		48*	11	616	361	354				397	351	11	362	(35)	0.0			
1975	220	16	171	151	342	5	109	-28		209	18	273	342	361				353	328	11	339	(14)	0.0			
1976	88	18	64	67	147	3	94	0.2		56	9	119	195	192				195	181	6	187	(8)	0.0			
1977	66	9	49	52	132	6	31	-43		63	14	21	50	59				99	61	34	95	(4)	0.0			
1978	330	13	298	352	848	4	75	-124		653	165	545	217	293				425	262	144	406	(19)	0.0			
1979	287	16	293	337	750	2	106	19		665	82	1070	407	503				641	422	77*	499*	(143)*	0.0			
1980	135	23	116	211	445	1	122	10		334	129	1090	526	5			670	477	134*	611*	(59)	0.0				
1981	62	18	65	58	150	8	110	16		63	14	666	471				523	456	15	471	(52)	0.0				
1982	131	24	108	104	270	≥	118	▲		158	59	278	280				316	289	12	302	(14)	0.0				
1983	374	22	353	601	1149	127	▲	1164		154	968	459					748	273	546	819	71	0.0				
1984	198	24	192	224	460	135	▲	416		77	921	397					562	398	164	562	0.03	0.0				
1985	370	21	334	294	740	134	▲	728		51	975	779	805				879	458	382	840	(39)	0.0				
1986	186	24	155	136	324	149	▲	288		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	428	(37)	0.0				
1988	257	23	220	190	445	138	▲	391		30	567	431	440				464	420	8	429	(35)	0.0				
1989	68	18	62	62	120	94	▲	43		14	458	395	384				423	379	3	383	(40)	0.0				
1990	78	10	82	82	170	69	▲	58		81	44	52					95	56	18	74	(21)	0.0				
1991	340	20	291	681	126	▲	749		87	511	276	304					363	297	48	345	(18)	0.0				
1992	377	20	330	801	124	▲	1027		88	740	550	619					646	401	205	606	(40)	0.0				
1993	518	22	572	1558	119	▲	1695		296	1060	1662	2203					2374	391	1925	2316	(58)	0.0				
1994	230	23	157	345	108	▲	357		28	541	377	£					489	401	12	413	(76)	0.0				
1995	262	22	206	506	109	▲	0.1		566	106	879	427					620	423	120	543	(77)	0.0				
1996	117	16	77	194	95	▲	0.2		109	14	522	439					14	0.5	0.4	465	426	5	431	(34)	0.0	
1																										

SAN CARLOS APACHE TRIBE FARM REPORT

2021

Anderson Flat

This annual farm report by the GWC is pursuant to the Courts Water Quality injunction filed on June 3, 1998.
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)	Gila River Diversions (ac-ft)	Average Water Quality (uS/cm)	Tribal Wells (ac-ft)	Water Quality (uS/cm)	Combined River & Wells	Comments or Unusual Problems
Jan	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Feb	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Mar	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Apr	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
May	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
June	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
July	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Aug	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Sept	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Oct	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Nov	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Dec	1047	None		0.00							No Farm Reports Received for 2021
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							

SAN CARLOS APACHE TRIBE FARM REPORT

2021

Navajo Point

This annual farm report by the GWC is pursuant to the Courts Water Quality Injunction filed on June 3, 1998.
 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)	Gila River Diversion (ac-ft)	Water Quality (uS/cm)	Tribal Wells (ac-ft)	Water Quality (uS/cm)	Combined River & Wells	Comments or Unusual Problems
Jan	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Feb	1041 1044 1045 1046	None None None None		0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Mar	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
April	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
May	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Jun	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
July	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Aug	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Sept	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Oct.	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Nov	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021
Dec	1041 1043 1044 1045 1046	None None None None None		0.00 0.00 0.00 0.00 0.00							No Farm Reports Received for 2021

SAN CARLOS APACHE TRIBE FARM REPORT

2021

Black Point

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

Month	Field No	Crop	Date Planted	Acres Planted (TB)	Dates Irrigated (From-To)	Gila River Diversion (ac-ft)	Water Quality (uS/cm)	Tribal Wells (ac-ft)	Water Quality (uS/cm)	Combined River & Wells	Comments or Unusual Problems
Jan	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Feb	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Mar	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Apr	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
May	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
June	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
July	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Aug	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Sept	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Oct	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Nov	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							
Dec	1021E	None	None	0.00							No Farm Reports Received for 2021
	1021W	None	None	0.00							
	1022E	None	None	0.00							
	1022W	None	None	0.00							

2021

DUNCAN VALLEY: 7,941.10 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					13.4	13.4		34.5	4.9	29.6	10.5	10.4	0.1					
2	2.3	2.3					13.8	1.7	12.1	28.4	28.4	10.3	10.3							
3	2.3	2.3					23.5	17.3	6.2	28.0	28.0	10.7	10.4	0.3						
4	2.3	2.3					24.6	18.4	6.2	27.1	27.1	10.5	10.4	0.1						
5	2.3	2.3					25.0	10.4	14.6	27.7	4.9	22.8	10.3	10.3						
6	2.5	2.5					29.7	10.6	19.1	17.4		17.4	10.5	10.5						
7	2.6	2.6					31.7	13.9	17.8	15.9		15.9	10.8	10.4	0.4					
8	2.4	2.4					29.1	10.4	18.7	16.4		16.4	10.8	10.4	0.4					
9	2.4	2.4					20.1	9.5	10.6	15.8	9.7	6.1	11.6	11.6						
10	2.5	2.5		1.5		1.5	15.7	4.9	10.8	18.0	16.5	1.5	12.8	12.8						
11	2.5	2.5		2.3		2.3	30.1	4.9	25.2	19.8	19.8		10.7		10.7					
12	2.4	2.4		2.3	2.3		35.4	9.5	25.9	21.9	21.9		10.3		10.3					
13	12.1	12.1		2.3	2.3		35.7	10.4	25.3	23.8	19.1	4.7	11.3	11.3						
14	12.1	12.1		2.4	2.4		33.9	9.5	24.4	21.3	18.8	2.5	11.3	11.3						
15	12.1	12.1		2.4	2.4		30.1	10.4	19.7	22.7	19.4	3.3	10.6	10.6						
16	12.2	12.2		2.4	2.4		30.2	9.5	20.7	21.8	16.3	3.5	8.9	8.9						
17	11.9	11.9		2.4	2.4		30.3	10.6	19.7	22.1	18.4	3.7	7.3	7.3						
18	11.9	11.9		2.4	2.4		30.3	10.4	19.9	23.0	18.5	4.5	6.4	6.4						
19	12.0	12.0		2.4	2.4		29.6	10.4	19.2	23.0	18.4	4.6	5.5	5.5						
20	11.8	11.8		2.4	2.4		29.6		20.3	13.7	6.6	4.9	4.9							
21	11.8	11.8		2.4	2.4		29.8	4.9	24.9	19.5	13.6	5.9	4.5	4.5						
22	11.8	11.8		2.5	2.5		32.6		32.6	18.9	10.5	8.4	4.9	4.9						
23	11.8	11.8	6.6	6.6			36.1		36.1	18.7	11.6	7.1	4.4	4.4						
24	12.3	12.3	10.8	0.2	10.6		36.7	4.9	31.8	19.6	12.4	7.2	4.2	4.2						
25	11.8	11.8	10.9	7.5	3.4		37.2	4.9	32.3	18.9	10.5	8.4	4.6	4.6						
Total	184.5	184.5	93.2	52.1	41.1	934.8	221.9	712.9	626.9	337.3	289.6	235.2	212.9	22.3						
Acre-feet	366		185			1,854			1,243			467								
Priority Diverted	366		103			439			669			422								
Apport Diverted			82			1,415			575			44								
Appor diverted to date			82			1,497			2,072			2,116								
TBI Acreage	3,564.20		4,157.80			4,319.37			4,416.37			4,416.37								
Apportioned	2,602		2,495			2,592			2,650			2,650								
Duty	0.10		0.04			0.43			0.28			0.11								
DAY	JUL			AUG			SEP			OCT			NOV			DEC				
DAY	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Totals	
1				5.0	5.0		11.0	11.0					6.6	6.6		4.9	4.9			
2					10.6	10.6							6.6	6.6		1.2		1.2		
3				22.7	22.7		6.4	6.4					6.8	6.8		1.8	1.8			
4				27.7	27.7		6.2	6.2					6.6	6.6		1.9		1.9		
5				25.9	25.9		2.3	2.3					6.9	6.9		2.3		2.3		
6				26.0	26.0		2.8	2.8					9.5	9.5		2.6	0.3	2.3		
7				25.0	25.0		5.7	5.7					11.4	11.4		2.8	2.5	0.3		
8				19.5	19.5		5.8	5.8		5.1		5.1	10.7	10.7		2.9	2.9			
9				18.9	18.9		2.6	2.6		10.9		10.9	9.2	9.2		2.8				
10				20.3	20.3		4.4	4.4		10.5		10.5	10.9	10.9		2.1				
11				19.6	19.6		8.4	8.4		7.0		7.0	11.4	11.4		2.3	2.3			
12	8.2	8.2		20.1	20.1		6.5	6.3	0.2	5.9		5.9	11.2	11.2		1.2		1.2		
13	1.3	1.3		17.3	17.3		5.1	3.4	1.7	6.7		6.7	11.6	11.6						
14	2.4	2.4		15.8	15.8		5.0	5.0		7.2	7.2		12.4	12.4						
15	16.6	16.6		9.4	8.6	0.8	7.0	7.0		11.3		11.3	11.8	11.8		12.5				
16				19.5	19.5		13.9	5.0	8.9	7.1	6.3	0.8	12.1	12.1						
17				17.0	17.0		14.0		14.0	7.2		7.2	12.0	12.0						
18	0.5		0.5	17.3	17.3		14.0		14.0	6.7		6.7	12.0	12.0						
19	4.5	4.5		18.5	18.5		13.4	5.0	8.4	9.8	5.0	4.8	11.9	11.9						
20	7.4	7.4		20.8	20.8		13.7		13.7	11.3		11.3	11.8	11.8						
21	6.8	6.8		21.0	21.0		14.5		14.5	12.7		12.7	8.0	8.0						
22				19.4	19.4		15.1	5.0	10.1	14.2	5.1	9.1	4.9	4.9						
23	5.2	5.2		17.5	17.5		21.7		21.7	14.3	14.3		4.8	4.8		3.1	3.1			
24	5.8	5.8		18.3	18.3		23.1		23.1	14.5	14.5		4.8	4.8		3.7	3.7			
25				16.5	16.5		23.5		23.5	14.7	14.7					3.1	3.1			
26				13.5	13.5		30.0	30.0		11.9	11.9									
27				14.0	14.0		20.1		20.1	10.1			1.8			1.8				
28				14.1	14.1		7.1		7.1	8.6	8.6		3.9			3.9				
29				20.3	20.3		4.2	4.2		6.2	6.2		3.0			3.0				
30				26.8	26.8					6.3	6.3		7.6	7.6		4.7	2.9			
31				18.4	18.4					6.5	6.5									
Total	42.1	41.6	0.5	573.3	573.3		320.5	158.8	161.7	222.4	123.7	98.7	242.9	231.3	11.6	38.7	30.7	8.0		
Acre-feet		84			1,137			636			441			482			77		6,972	
Priority Diverted		82			1,137			315			246			459			61		4,299	
Apport Diverted		1						321			196			23			16		2,673	
Appor diverted to date		2,117			2,117			2,438			2,634			2,657			2,673		2,673	
TBI Acreage		4,495.07			4,495.07			4,481.17			4,481.17			4,481.17			4,485.97		4,485.97	
Apportioned		2,697			2,697			5,467			5,467			5,467			5,473		5,473	
Duty		0.02			0.25			0.14			0.10			0.11			0.02		1.55	

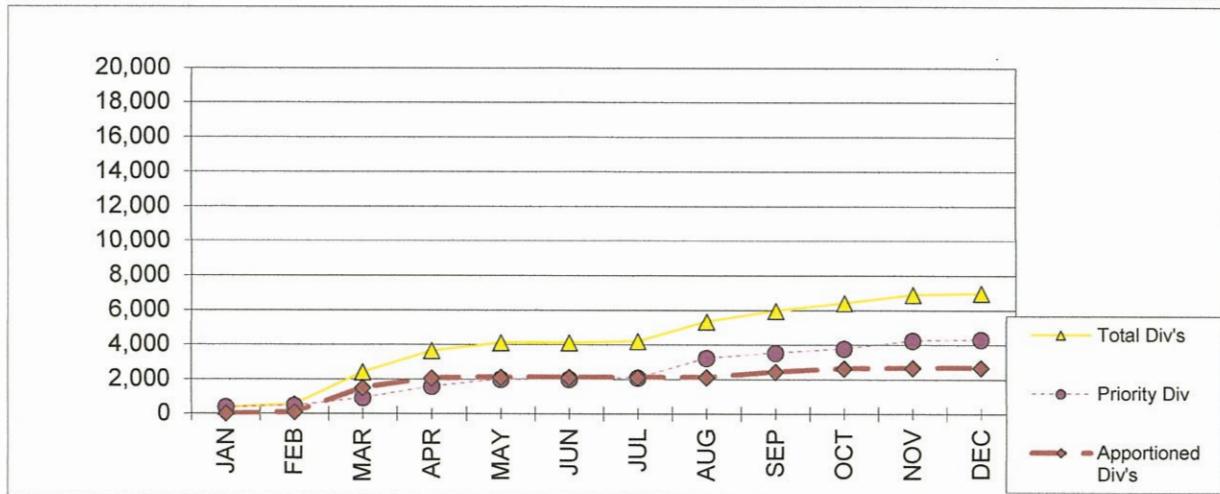
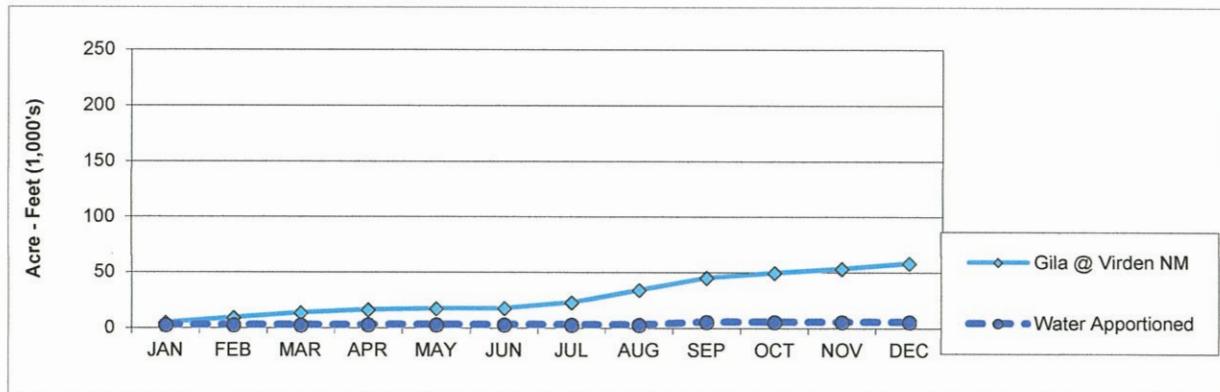
2021

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

In Acre-Feet

Month	Monthly Gila River Below Blue Creek	Gila River Below Blue Creek	Accumulated			Water Apportioned
			Total Diversions	Priority Diversions	Apportioned Diversions	
JAN	4,519	4,519	366	366	0	2,602
FEB	4,405	8,924	551	469	82	2,495
MAR	4,703	13,627	2,405	908	1,497	2,592
APR	2,543	16,170	3,649	1,577	2,072	2,650
MAY	1,156	17,326	4,115	1,999	2,116	2,650
JUN	128	17,454	4,115	1,999	2,116	2,650
JUL	5,271	22,725	4,198	2,081	2,117	2,697
AUG	11,331	34,056	5,335	3,218	2,117	2,697
SEP	10,891	44,947	5,971	3,533	2,438	5,467
OCT	4,568	49,515	6,413	3,779	2,634	5,467
NOV	3,918	53,433	6,895	4,238	2,657	5,467
DEC	4,741	58,174	6,972	4,299	2,673	5,473

Graph: Gila near Virden, NM Total Diversions Priority Div's Apportn'd Div's Apportionments



2021

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										20.9	4.9	16.0	10.3	10.3				
2										20.2		20.2	10.7	10.4	0.3			
3							9.4	9.4		21.1		21.1	10.5	10.4	0.1			
4							10.5	10.5		20.9		20.9	10.3	10.3				
5							10.7	10.4	0.3	20.9	4.9	16.0	10.5	10.5				
6							15.7	10.4	5.3	10.0		10.0	10.8	10.4	0.4			
7							16.8	12.2	4.6	7.2		7.2	10.8	10.4	0.4			
8							15.7	10.4	5.3	7.7		7.7	10.5	10.5				
9							12.4	9.5	2.9	7.2	7.2		11.3	11.3				
10							12.2	4.9	7.3	7.7	7.7		10.3		10.3			
11							19.2	4.9	14.3	7.7	7.7		10.3					
12							20.1	9.5	10.6	7.7	7.7		11.3	11.3				
13	9.7	9.7					20.1	10.4	9.7	10.3	10.3		11.3	11.3				
14	9.7	9.7					20.9	9.5	11.4	10.3	10.3		10.6	10.6				
15	9.7	9.7					21.0	10.4	10.6	11.2	11.2		8.9	8.9				
16	9.9	9.9					21.0	9.5	11.5	10.3	10.3		7.3	7.3				
17	9.7	9.7					21.0	10.4	10.6	10.3	10.3		6.4	6.4				
18	9.7	9.7					21.0	10.4	10.6	11.1	11.1		5.5	5.5				
19	9.7	9.7					21.0	10.4	10.6	11.1	11.1		4.9	4.9				
20	9.7	9.7					21.0			21.0	10.3		4.5	4.5				
21	9.7	9.7					20.7	4.9	15.8	11.1	11.1		4.9	4.9				
22	9.7	9.7					19.8			19.8	10.3	10.3		4.4	4.4			
23	9.7	9.7					20.7			20.7	10.3	10.3		4.2	4.2			
24	10.2	10.2					21.0	4.9	16.1	11.1	11.1		4.6	4.6				
25	9.7	9.7					21.0	4.9	16.1	10.3	10.3		4.3	4.3				
Total	126.8	126.8					535.9	202.3	333.6	350.3	230.5	119.8	232.2	210.3	21.9			
Acre-feet																		
Priority Diverted	252							1,063				695		461				
Apport Diverted	252							401				457		417				
Appor diverted to date								662				238		43				
TBI acreage	2,029.60							662				900		943				
Apportioned	1,482							2,168.07				2,168.07		2,168.07				
Duty	0.12							1,301				1,301		1,301				
								0.49				0.32		0.21				

DAY	JUL			AUG			SEP			OCT			NOV			DEC		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1													4.9	4.9		4.9	4.9	
2													4.8	4.8				
3				5.0	5.0								4.9	4.9				
4				10.0	10.0								4.6	4.6				
5				9.2	9.2								4.6	4.6				
6				9.2	9.2								4.5	4.5				
7				9.9	9.9								4.7	4.7				
8				9.4	9.4								3.2	3.2	4.2	4.2		
9				9.8	9.8								4.8	4.8	2.9	2.9		
10				9.7	9.7								4.8	4.8	4.8	4.8		
11				9.8	9.8								4.9	4.9	4.9	4.9		
12	4.6	4.6		9.9	9.9								4.7	4.7	4.7	4.7		
13	1.3	1.3		9.5	9.5		3.4	3.4					4.7	4.7	5.0	5.0		
14				9.2	9.2		5.0	5.0					5.0	5.0	5.0	5.0		
15				9.2	9.2		8.6	8.6					4.9	4.9	4.9	4.9		
16				9.2	9.2		9.7	5.0	4.7				5.0	5.0	5.0	5.0		
17				9.4	9.4		9.7		9.7				5.1	5.2	5.2	5.2		
18	0.5		0.5	9.6	9.6		9.6		9.6				5.1	5.1	5.1	5.1		
19	4.5	4.5		10.4	10.4		9.1	5.0	4.1				5.0	5.0	5.0	5.0		
20				10.0	10.0		9.1		9.1				4.9	4.9	4.9	4.9		
21				9.3	9.3		9.1		9.1				4.6	4.6	4.6	4.6		
22				9.7	9.7		9.1	5.0	4.1				4.9	4.9	4.9	4.9		
23	5.2	5.2		9.0	9.0		9.1		9.1				4.8	4.8	4.8	4.8	3.1	3.1
24	5.8	5.8		9.0	9.0		9.1		9.1				4.7	4.7	4.7	4.7	3.7	3.7
25				9.2	9.2		9.1		9.1				4.7				3.1	3.1
26				9.3	9.3		10.0	10.0					4.7	4.7				
27				9.6	9.6		9.7		9.7				4.7	4.7				
28				9.8	9.8		1.8		1.8				4.7	4.7				
29				10.0	10.0								4.7	4.7				
30				10.0	10.0								4.7	4.7				
31				3.9	3.9								4.9	4.9				
Total	21.9	21.4	0.5	267.2	267.2		131.2	51.7	79.5	114.2	67.4	46.8	118.4	118.4		14.8	14.8	
Acre-feet																		
Priority Diverted	43																	3,795
Apport Diverted	42																	2,600
Appor diverted to date	1																	1,195
TBI acreage	944																	1,195
Apportioned	2,169.07																	2,169.47
Duty	0.02																	0.01
																		1.75

Diversions on North side of Gila River in SW 1/4 NW 14, Sec. 21, T. 19S, R. 20W, NMPPM. Water-stage recorder and 6 ft. Parshall flume located in SE 1/4 NW 1/4, Sec. 17, T. 19S, R. 20W.

2021

NEW MODEL CANAL: 2,597.65 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN			
	Total	Priority	Apport																
1	2.4	2.4					6.0	6.0		8.4	8.4								
2	2.3	2.3					6.9	1.2	5.7	8.2	8.2								
3	2.3	2.3					7.5	4.5	3.0	6.9	6.9								
4	2.3	2.3					7.6	4.5	3.1	6.2	6.2								
5	2.3	2.3					7.6		7.6	6.8	6.8								
6	2.5	2.5					7.4	0.2	7.2	7.4	7.4								
7	2.6	2.6					7.7	1.2	6.5	8.7	8.7								
8	2.4	2.4					8.0		8.0	8.7	8.7								
9	2.4	2.4					5.4		5.4	8.6	2.5	6.1							
10	2.5	2.5		1.5		1.5	2.4		2.4	8.3	6.8	1.5							
11	2.5	2.5			2.3	2.3	6.6		6.6	8.1	8.1								
12	2.4	2.4			2.3	2.3	8.0		8.0	8.5	8.5								
13	2.4	2.4			2.3	2.3	8.6		8.6	8.3	5.4	2.9							
14	2.4	2.4			2.4	2.4	8.6		8.6	7.9	5.4	2.5							
15	2.4	2.4			2.4	2.4	9.1		9.1	8.2	4.9	3.3							
16	2.3	2.3			2.4	2.4	9.2		9.2	8.3	4.8	3.5							
17	2.2	2.2			2.4	2.4	9.3	0.2	9.1	8.5	4.8	3.7							
18	2.2	2.2			2.4	2.4	9.3		9.3	8.5	4.0	4.5							
19	2.3	2.3			2.4	2.4	8.6		8.6	8.6	4.0	4.6							
20	2.1	2.1			2.4	2.4	8.6		8.6	8.5	2.5	6.0							
21	2.1	2.1			2.4	2.4	9.1		9.1	8.4	2.5	5.9							
22	2.1	2.1			2.5	2.5	8.6		8.6	8.6	0.2	8.4							
23	2.1	2.1			2.9	2.9	8.6		8.6	8.4	1.3	7.1							
24	2.1	2.1			3.0	0.2	2.8	9.1		9.1	8.5	1.3	7.2						
25	2.1	2.1			3.0	3.0	8.6		8.6	8.6	0.2	8.4							
26					3.0	0.2	2.8	8.6		8.6	8.7	1.3	7.4						
27					3.3	3.3	8.6		8.6	8.6	8.6	8.6							
28					4.6		4.6	8.6		8.6	8.6	0.2	8.4						
29								8.6		8.6	8.6	2.5	0.9						
30								8.6		8.6	8.6								
31								8.6		8.6	8.6								
Total	57.7	57.7		49.9	35.9	14.0	248.0	11.8	236.2	233.4	71.2	162.2							
Acre-feet	114			99			492			463									
Priority Diverted	114			71			23			141									
Apport Diverted				28			469			322									
Appor diverted to date				28			497			819			819			819			
TBI acreage	897.50			1,474.80			1,497.90			1,592.40			1,592.40			1,592.40			
Apportioned	655			885			899			955			955			955			
Duty	0.13			0.07			0.33			0.29									
JUL	JUL			AUG			SEP			OCT			NOV			DEC			
DAY	Total	Priority	Apport	Totals															
1							7.3	7.3					1.7	1.7					
2				5.0	5.0		6.9	6.9					1.8	1.8					1.2
3				13.9	13.9		6.4	6.4					1.9	1.9					1.8
4				10.6	10.6		6.2	6.2					2.0	2.0					1.9
5				10.0	10.0		2.3	2.3					2.3	2.3					2.3
6				9.7	9.7		2.8	2.8					2.2	2.2					2.3
7				9.3	9.3		5.7	5.7					1.9	1.9					2.3
8				10.1	10.1		5.8	5.8					1.7	1.7					2.3
9				8.0	8.0		2.6	2.6					1.6	1.6					2.8
10				6.3	6.3		3.3	3.3					1.9	1.9					2.1
11	3.6	3.6		6.1	6.1		3.8	3.8					2.1	2.1					2.3
12				6.4	6.4		2.6	2.6		1.2			2.2	2.2					1.2
13				6.3	6.3				2.0			2.0	2.3						
14	0.5	0.5		6.6	6.6				2.2			2.2	2.5						
15				7.4	7.4				2.1			2.1	2.6						
16				7.4	7.4					2.1			2.6						
17				7.6	7.6				2.1			2.1	2.7						
18				7.7	7.7					1.6			1.6	2.7					
19				8.1	8.1					1.6			1.6	2.8					
20	2.4	2.4		8.2	8.2	0.6		0.6	1.4			1.4	2.8						
21				7.9	7.9		1.2		1.2	1.1			1.1	1.1					
22				5.7	5.7		1.9		1.9	1.1	0.2		0.9						
23				4.8	4.8		6.9		6.9	1.1	1.1								
24				5.3	5.3		8.9		8.9	1.2	1.2								
25				4.6	4.6		7.5		7.5	1.2	1.2								
26				4.2	4.2		13.6	13.6		1.1	1.1								
27				4.4	4.4		8.4	8.4		1.1	1.1								
28				4.3	4.3		5.3			5.3	1.2								
29				10.3	10.3		4.2	4.2		1.5	1.5								
30				13.5	13.5					1.6	1.6								
31				10.9	10.9					1.6	1.6								
Total	6.5	6.5		230.6	230.6		114.2	81.9	32.3	30.1	17.4	12.7	45.4	45.4		23.9	15.9	8.0	
Acre-feet	13			457			227			60			90			47			2,062
Priority Diverted	13			457			162			35			90			32			1,138
Apport Diverted							64			25						16			924
Appor diverted to date				819			883			908			908			924			924
TBI acreage	1,604.10			1,604.10			1,604.10			1,604.10			1,604.10			1,608.40			1,608.40
Apportioned	962			962			1,957			1,957			1,957			1,962			1,962
Duty	0.01			0.28			0.14			0.04			0.06			0.03			1.28

Diversions on South side of Gila River in NW 1/4 SE
1/4, Sec. 11, T. 195, R. 21W, NMPM. Water-stage
recorder and 6 ft. Parshall flume located in NE 1/4 NE
1/4, Sec. 10, T. 195, R. 21W.

2021

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							7.4	7.4		5.2		5.2							
2							6.9	0.5	6.4										
3							6.6	3.4	3.2										
4							6.5	3.4	3.1										
5							6.7		6.7										
6							6.6		6.6										
7							7.2	0.5	6.7										
8							5.4		5.4										
9							2.3		2.3										
10							1.1		1.1	2.0	2.0								
11							4.3		4.3	4.0	4.0								
12							7.3		7.3	5.7	5.7								
13							7.0		7.0	5.2	3.4	1.8							
14							4.4		4.4										
15																			
16										3.2	3.2								
17										3.3	3.3								
18										3.4	3.4								
19										3.3	3.3								
20										1.5	0.9	0.6							
21																			
22																			
23							3.7	3.7		4.2									
24							7.8		6.6	6.8									
25							7.9	4.5	3.4	7.6									
26							7.8		7.9	7.9									
27							8.1	8.0	0.1	8.2									
28							8.0		8.0	7.6	7.6								
29										7.4	7.4								
30										7.5	7.5								
31										7.4	7.4								
Total				43.3	16.2	27.1	150.9	7.8	143.1	43.2	35.6	7.6	3.0	2.6	0.4				
Acre-feet							86		299			86			6				
Priority Diverted							32		15			71			5				
Apport Diverted							54		284			15			1				
Appor diverted to date							54		338			353			354				
TBI acreage				637.10			653.40		653.40			655.90			655.90				
Apportioned				465			392		392			394			394				
Duty				0.13			0.46		0.46			0.13			0.01				
JUL			AUG			SEP			OCT			NOV			DEC			Totals	
DAY	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1							3.8	3.8		3.7	3.7								
2							7.1	7.1											
3							6.7	6.7											
4																			
5																			
6							7.1	7.1											
7							5.8	5.8											
8																			
9																			
10							1.1	1.1		1.1	1.1								
11							3.7	3.7	4.6	4.6		2.1		2.1		4.4			
12							3.8	3.8	3.9	3.7	0.2					4.3			
13							1.5	1.5	1.7							4.3			
14		1.9	1.9													4.9			
15										0.8	0.8					5.0			
16							2.9	2.9		4.2						4.5			
17										4.3						4.1			
18										4.4						4.2			
19										4.3		3.2		3.2		4.1			
20	5.0	5.0		2.6	2.6		4.0		4.0	5.0						4.1			
21	6.8	6.8		3.8	3.8		4.2		4.2	7.0						2.3			
22				4.0	4.0		4.1		4.1	8.2									
23				3.7	3.7		5.7		5.7	8.4	8.4								
24				4.0	4.0		5.1		5.1	8.6	8.6								
25				2.7	2.7		6.9		6.9	8.8	8.8								
26							6.4	6.4		6.1	6.1					1.8			
27							2.0	2.0		4.3	4.3					3.9			
28										2.7	2.7					3.0			
29																2.9			
30							3.3	3.3											
31							3.6	3.6											
Total		13.7	13.7		75.5	75.5		75.1	25.2	49.9	78.1	38.9	39.2	79.1	67.5	11.6			
Acre-feet		27			150					149			155						1,115
Priority Diverted		27			150					50			77						561
Apport Diverted										99			78						554
Appor diverted to date										453			531						554
TBI acreage				721.90			721.90			708.00			708.00			708.00			708.10
Apportioned				433			433			864			864			864			864
Duty				0.04			0.21			0.21			0.22			0.22			1.57

Diversions on North side of Gila River in NE 1/4 NW
1/4, Sec. 4, T. 18S, R. 21W, NMPM. Water-stage
recorder and 6 ft. Parshall flume located in NW 1/4
SE 1/4, Sec. 34, T. 8S, R. 32E.

2021

SAFFORD VALLEY: 31,570.18 Acres

Mean daily diversions, cubic feet per second

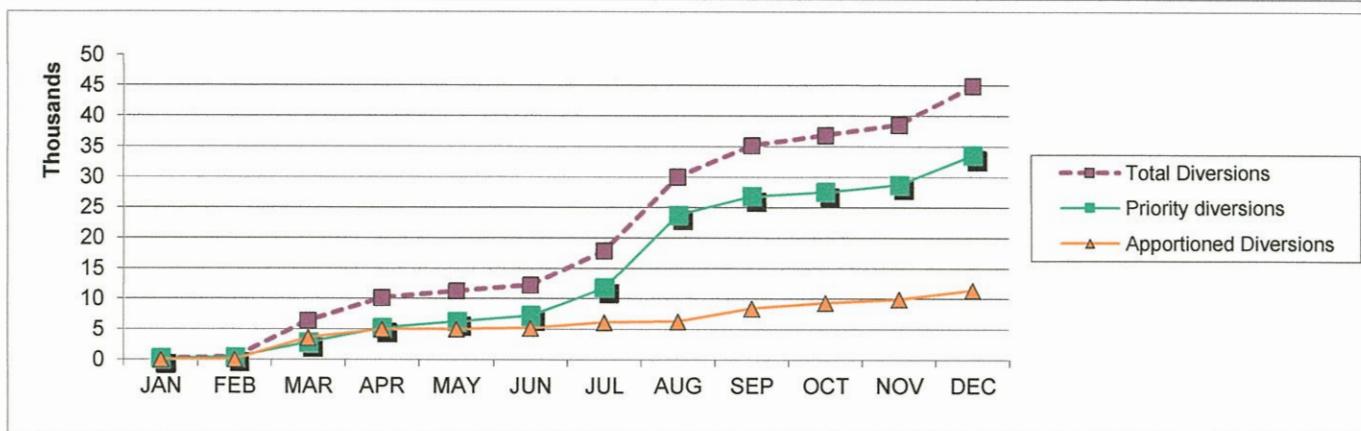
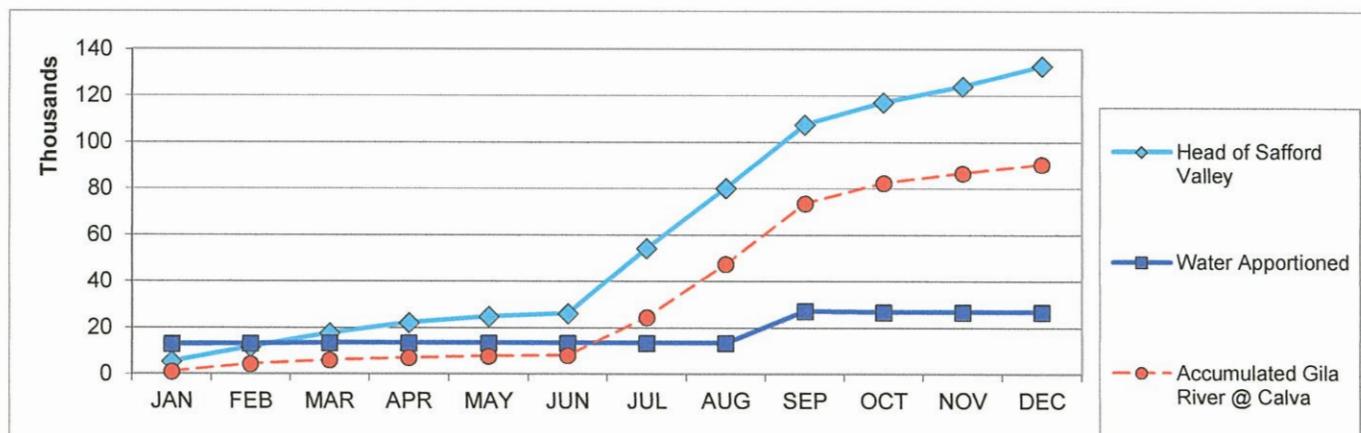
JAN			FEB			MAR			APR			MAY			JUN				
DAY	Total	Priority	Apport																
1	11.7	11.7					121.0	53.9	67.1	79.6	79.8	45.1	44.6	0.5	5.4	5.4			
2	9.3	9.3					109.0	109.0	87.3	10.6	76.7	43.8	43.8		4.4	4.4			
3	5.0	5.0					107.3	64.1	43.2	83.6	83.6	41.5	41.5		29.5	27.9	1.6		
4	5.2	5.2					107.6	89.7	17.9	83.0	0.7	82.3	43.0		28.7	22.8	5.9		
5	5.7	5.7					103.9	85.1	18.8	74.7		74.7	45.4	43.5	1.9	22.1	4.2	17.9	
6	1.8	1.8					100.5	42.9	57.6	79.3	15.6	63.7	46.6	45.5	1.1	21.1	3.9	17.2	
7	2.3	2.3					100.1	56.9	43.2	79.9	0.7	79.2	45.6	44.1	1.5	22.6	22.6		
8	3.2	3.2		6.7	6.7		96.1	67.0	27.2	76.9		76.0	43.4	38.9	4.6	21.7			
9	2.6	2.6		9.6	9.6		88.0	58.0	30.0	72.6		72.6	42.5	41.1	1.4	21.1			
10	1.5	1.5		9.6	9.6		86.8	45.2	41.6	73.8	73.8		41.0	41.0		18.2			
11	1.2	1.2		9.7		9.7	88.6	15.7	72.9	74.3			23.3	23.3		18.3	18.3		
12	1.0	1.0		9.7		9.7	89.3	32.2	57.1	72.8			12.9	2.3	10.6	18.5	18.5		
13	3.3	3.3		9.7		8.2	90.2	47.6	42.6	69.0	69.0		3.8		3.8	17.6	17.6		
14	5.8	5.8		9.6	9.6		88.6	60.8	27.8	60.2			3.8	3.8		17.0	17.0		
15	2.3	2.3		9.6	9.6		91.4	48.4	43.0	62.5			5.6	5.6		16.4	16.4		
16				9.7	9.7		95.9	57.2	38.7	58.9	58.9		5.2	5.2		15.9	15.9		
17				9.7	9.7		95.3	47.6	47.7	58.1	58.1		3.8	3.8		15.6	15.6		
18				7.9	7.9		94.3	69.0	25.3	53.0	53.0		3.8	3.8		14.7	14.7		
19				4.8	4.8		97.0	55.6	41.4	53.5	53.4	0.1	3.8	3.8		14.2	14.2		
20				1.1	1.1		97.6	65.8	31.8	53.3	53.2	0.1	3.8	3.8		13.4	13.4		
21							97.0	0.7	96.3	51.8	51.8		3.8	3.8		12.8	12.7	0.1	
22							97.1	5.4	91.7	51.8	51.6	0.2	3.8	3.8		14.4	12.5	1.9	
23				3.7	3.7		99.9		99.9	54.0	51.9	2.1	3.7	3.7		14.3	12.8	1.5	
24				5.3	5.3		96.0	0.3	95.7	47.2	47.2		3.7	3.7		13.4	13.4		
25				5.2	3.7	1.5	95.8	16.4	79.4	46.9	46.9		3.7	3.7		14.3	14.3		
26				5.3	5.3		100.5	27.0	73.5	45.4	45.4		3.7	3.7		17.7	13.1	4.6	
27				5.1	3.7	1.4	101.7	32.2	69.5	44.4	44.4		3.7	3.7		16.8	13.0	3.8	
28				5.1	5.1		100.4	22.1	78.3	42.9	42.9		3.7	3.7		15.7	14.1	1.6	
29							101.7	32.2	69.5	43.9	43.9		3.6	3.6		15.9	15.9		
30							93.9	10.6	83.3	47.7	47.7		6.0	0.3	5.7	20.3	20.1	0.2	
31							90.6	32.2	58.4				5.7	5.7					
Total	61.9	61.9		137.1	113.3	23.8	3022.1	1242.7	1779.4	1882.5	1190.5	692.0	552.8	521.8	31.0	512.0	455.7	56.3	
Acre-feet Priority Diverted		123			272			5,994			3,734			1,096			1,016		
Apport Diverted		123			225			2,464			2,362			1,036			905		
Apport diverted to date					47			3,529			1,373			62			112		
TBI acreage	17,586.09			21,822.29			22,175.24			22,170.05			4,949			5,011		5,127	
Apportioned	12,838			13,093			13,305			13,302			13,302			13,328			
Duty	0.01			0.01			0.27			0.17			0.05			0.05			
JUL			AUG			SEP			OCT			NOV			DEC				
DAY	Total	Priority	Apport																
1	20.3	20.3		142.5	142.5		65.8	65.8		3.5	3.5		4.8	4.8		131.4	62.5	68.9	
2	28.4	26.4		180.5	180.5		15.2	15.2					4.8	4.8		141.9	30.9	111.0	
3	34.8	31.9	2.9	200.2	200.2		14.6	14.6					8.0	8.0		121.8	27.1	94.7	
4	39.0	39.0		204.6	204.6		15.6	15.6					13.5	13.5		122.5	101.0	21.5	
5	39.8	39.8		202.3	202.3		16.6	16.6					13.7	13.7		123.4	27.1	96.3	
6	71.4	71.4		203.8	203.8		17.0	17.0					14.3	14.3		126.9	59.5	67.4	
7	73.9	73.9		204.3	167.0	37.3	60.7	60.7					14.0	14.0		132.2	88.3	43.9	
8	86.2		86.2	203.2	203.2		177.0	177.0					13.8	13.8		142.5	112.5	30.0	
9	94.7	94.7		207.5	207.5		204.2						14.2	14.2		150.1	149.6	0.5	
10	86.0	0.7	86.2	184.4	149.7	34.7	202.9	202.9					14.0	14.0		142.0	126.1	15.9	
11	75.9	11.2	64.7	175.6	175.6		199.5	165.7	33.8				14.1	14.1		137.1	135.0	2.1	
12	72.6	66.2	6.4	197.5	197.5		196.5	174.3	22.2				14.4	14.4		134.5	112.5	22.0	
13	76.7	76.7		188.6	188.6		184.7	117.6	67.1				14.6	14.6		136.5	94.0	42.5	
14	61.0	45.0	16.0	197.8	197.8		171.3	43.1	128.2				14.7	14.7		134.3	120.3	14.0	
15	62.5	62.5		213.3	213.3		144.9	50.7	94.2				14.9	14.9		133.5	133.5		
16	79.5	70.3	9.2	207.0	207.0		137.9	75.4	62.5				15.3	15.3		132.3	128.7	5.6	
17	100.4	100.4		214.9	214.9		143.0	22.7	120.3	7.7	5.1	2.6	15.6	15.6		132.1	55.9	76.2	
18	128.4	128.4		198.1	198.1		116.0		116.0	79.2		79.2	37.1			123.9	100.0	23.9	
19	118.6		118.6	169.4	169.4		98.7	0.7	98.0	111.3		111.3	38.8	38.8		118.2	118.2		
20	165.9	73.7	92.2	170.1	170.1		98.5	21.4	77.1	99.1	29.3	69.8	40.3	40.3	119.6	99.9	22.7		
21	187.7	187.7		170.8	170.8		77.6		77.6	90.8		90.8	40.7	40.7		120.9	120.0	0.9	
22	154.8	141.1	13.7	168.9	168.9		63.4		63.4	82.4		82.4	42.2	42.2		117.3			
23	26.3	20.6	5.7	201.6	201.6		36.5	4.0	32.5	66.1	28.0	38.1	41.3	41.3		113.7	113.7		
24	12.6	12.6		202.9	202.9		23.8		23.8	58.1	58.1		37.7	37.7		53.8	53.8		
25	10.0	10.0		216.7	216.7		19.0		19.0	58.1	58.1		34.5	34.5		25.7	25.7		
26	130.8	130.8		218.5	218.5		19.0		19.0	57.8	57.8		35.1	35.1		27.0	27.0		
27	136.6	136.6		207.3	207.3		21.1	21.1		57.3	57.3		33.9	33.9		28.4	28.4		
28	140.1			216.7	216.7		22.5	22.5		47.4	47.4		25.7			27.4	27.4		
29	145.2	145.2		216.4	216.4		21.9		21.9	13.5	13.5		109.0			109.0	23.3		
30	175.1	175.1		219.1	219.1		21.1	21.1		4.8	4.8		138.5			138.5	17.1		
31	190.5	190.5		213.2	213.2		4.8		4.8	4.8			5.0	5.0					
Total	2824.6	2322.8	501.8	6117.9	6045.9	72.0	2606.5	1529.9	1076.6	841.9	367.7	474.2	873.5	600.3	273.2	3196.3	2436.3	760.0	
Acre-feet Priority Diverted		5,603			12,135			5,170			1,670			1,733			6,340		44,888
Apport Diverted		4,609			11,991			3,034			730			1,191			4,631		33,500
Apport diverted to date		996			142			2,134			940			544			1,509		11,388
TBI acreage	22,240.23			22,256.83			22,250.43			21,891.03			21,891.03			21,891.03		21,891.03	
Apportioned	13,344			13,354			27,157			26,707			26,707			26,707		26,707	
Duty	0.25			0.55			0.23			0.08			0.08			0.29		0.29	

2021

MASS DIAGRAM OF SAFFORD VALLEY DIVERSSIONS, APPORTIONMENTS, & RIVER FLOWS

In Acre-Feet

Month	Monthly Gila River, Head of Safford Valley	Accumulated			Water Apportioned	Accumulated Gila River at Calva	Monthly Gila River at Calva
		Gila River, Head of Safford Valley	Total Diversions	Priority Diversions			
JAN	5,283	5,283	123	123		12,838	1,050
FEB	6,417	11,700	395	348	47	13,093	4,301
MAR	5,954	17,654	6,388	2,812	3,576	13,305	5,946
APR	4,481	22,135	10,123	5,174	4,949	13,302	6,964
MAY	2,668	24,803	11,221	6,210	5,011	13,302	7,637
JUN	1,242	26,045	12,238	7,115	5,123	13,328	7,986
JUL	28,163	54,208	17,843	11,724	6,119	13,344	24,445
AUG	25,887	80,095	29,976	23,715	6,261	13,354	47,401
SEP	27,434	107,529	35,144	26,749	8,395	27,157	73,571
OCT	9,703	117,232	36,814	27,479	9,335	26,707	82,376
NOV	6,852	124,084	38,549	28,670	9,879	26,707	86,611
DEC	8,769	132,853	44,889	33,501	11,388	26,707	90,422
Graph:	Gila at Head	Total Diversions	Priority Div's	Apportn'd Div's	Apportionments	Gila Calva	



2021

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	6.8	6.8					3.5	3.2	0.3							3.6	3.6	
2	4.6	4.6											2.1	2.1		3.6	3.6	
3													2.9	2.9		2.8	2.8	
4													2.8	2.8		1.6	1.6	
5													2.8	2.8		0.5	0.3	0.2
6													2.8	2.8				
7													2.8	2.8				
8					6.7	6.7							2.8	2.8				
9					9.6	9.6							3.0	3.0				
10					9.6	9.6							3.6	3.6				
11					9.7	9.7							3.9		3.9			
12					9.7	9.7							3.8		3.8			
13					9.7	8.2	1.5						3.8	3.8				
14					9.6	9.6							3.8	3.8				
15					9.6	9.6				3.8	2.5	1.3				3.8	3.8	
16					9.7	9.7				1.6	1.6				3.8	3.8		
17					9.7	9.7									3.8	3.8		
18					7.9	7.9									3.8	3.8		
19					4.8	4.8									3.8	3.8		
20					1.1	1.1									3.8	3.8		
21															3.8	3.8		
22															3.7	3.7		
23										2.5	0.3	2.2			3.7	3.7		
24					3.7	3.7				3.4	2.2	2.2			3.7	3.7		
25					5.3	5.3				3.4	2.8	2.8			3.7	3.7		
26					5.2	3.7	1.5			0.7	1.4	1.6			3.7	3.7		
27					5.3	5.3									3.7	3.7		
28					5.1	3.7	1.4								3.6	3.6		
29					5.1	5.1									3.6	0.3	3.3	
30															3.6	3.6		
31																		
Total	11.4	11.4		137.1	113.3	23.8	20.3	8.3	12.0	6.6	6.6		100.5	89.5	11.0	12.1	11.9	0.2
Acre-feet				23														
Priority Diverted				23														
Apport Diverted																		
Appor diverted to date																		
TBI acreage				804.70														
Apportioned				587														
Duty				0.03														
JUL	AUG			SEP			OCT			NOV			DEC			Totals		
DAY	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1								4.2	4.2				4.8	4.8				
2													4.8	4.8				
3													1.4	1.4				
4	2.9	2.9		3.4	3.4													
5	3.9	3.9		4.6	4.6													
6	4.1	4.1		4.5	4.5											3.4	3.0	0.4
7	3.6	3.6		4.5	4.5											4.7	3.7	1.0
8	3.4			3.4	4.5	4.5				7.0	7.0					5.2	4.3	0.9
9	3.6	3.6		4.5	4.5	4.5				9.4	9.4					5.7	5.7	
10	3.6			3.6	4.6	4.6				9.3	9.3					3.2	3.2	
11	3.6	0.6	3.0	4.7	4.7					9.6	9.3	0.3						
12	3.7	3.7		4.6	4.6					9.9	9.7	0.2						
13	3.7	3.7		4.6	4.6					8.5	5.4	3.1						
14	3.6	3.0		0.6	4.6	4.6				7.2	2.3	4.9						
15	3.5	3.5		4.8	4.8					4.8	2.5	2.3						
16	3.6	3.6		4.1	4.1													
17	3.3	3.3		3.1	3.1													
18	2.8																	
19	3.5			3.5												3.5	3.5	
20	3.4	3.3	0.1	3.8	3.8													
21	3.4	3.4		5.0	5.0								5.1			5.0	5.0	
22	3.9	3.9		5.0	5.0								7.2	3.7	3.5	5.0	5.0	
23	4.0	3.7	0.3	4.9	4.9								9.6	9.6		5.0	5.0	
24	3.8	3.8		4.9	4.9								9.9	9.9		5.0	5.0	
25	3.6	3.6		7.7	7.7													
26	3.3	3.3		9.2	9.2								9.8	9.8		5.0	5.0	
27	3.4	3.4		9.9	9.9								9.7			4.9	4.9	
28	2.2	2.2		9.8	9.8								8.0	8.0		4.8	4.8	
29				9.2	9.2								4.8	4.8		4.8	4.8	
30				9.6	9.6								4.8	4.8		4.8	4.8	
31				9.8	9.8								4.8	4.8		1.9	1.9	
Total	87.4	72.9	14.5	149.9	149.9			69.9	59.1	10.8	73.7	65.1	8.6	11.0	11.0	76.9	74.6	2.3
Acre-feet				173														
Priority Diverted				145														
Apport Diverted				29														
Appor diverted to date				122														
TBI acreage				824.00														
Apportioned				494														
Duty				0.21														

Diversion from North side of Gila River in SE 1/4 SE 1/4, Sec. 30, T. 6S, R28E. Water-stage recorder and 3 ft. Marshall flume located in NE 1/4 NE 1/4, Sec. 31, T. 6S, R 28E.

Record Good

2021

SAN JOSE CANAL: 4,131.22 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN			
	Total	Priority	Apport																
1							27.4	15.9	11.5	18.9	14.9	14.9							
2							25.2	25.2	18.9	3.0	15.9	14.9	14.9						
3							25.2	18.9	6.3	18.9	18.9	14.9	14.9				8.2	8.2	
4							25.2	20.3	4.9	18.9	18.9	17.7	15.8	1.9	8.9	8.9			
5							24.3	20.3	4.0	18.3	18.3	20.0	18.9	1.1	10.5	1.0		9.5	
6							23.5	14.9	8.6	17.8	5.9	11.9	20.4	18.9	1.5	11.0	1.0	10.0	
7							23.5	17.9	5.6	17.8	17.8	20.3	15.8	4.5	11.0	11.0			
8							21.6	18.9	2.7	17.8		17.8	19.2	17.8	1.4	11.0	11.0		
9							19.5	15.9	3.6	17.8		17.8	17.3		11.0	11.0			
10							18.9	12.9	6.0	17.8	17.8	15.2	15.2		9.6	9.6			
11							18.9	6.0	12.9	17.8	17.8		6.7		6.7	7.4	7.4		
12							18.9	11.0	7.9	17.8	17.8				6.9	6.9			
13							18.9	12.9	6.0	17.8	17.8				6.9	6.9			
14							18.9	15.9	3.0	16.6	16.6				6.9	6.9			
15							18.9	12.9	6.0	15.8	15.8				6.6	6.6			
16							18.9	14.9	4.0	15.8	15.8				6.5	6.5			
17							18.9	12.9	6.0	15.8	15.8				6.1	6.1			
18							18.9	17.9	1.0	15.3	15.3				6.0	6.0			
19							18.9	14.9	4.0	14.9	14.9				6.0	6.0			
20							18.9	15.9	3.0	14.9	14.9				5.5	5.5			
21							18.9		18.9	14.9	14.9				4.7	4.7			
22							18.9	1.0	17.9	14.9	14.9				4.5	4.5			
23							18.9		18.9	14.9	14.9				4.5	4.5			
24							18.9		18.9	14.9	14.9				4.5	4.5			
25							18.9	6.0	12.9	14.9	14.9				4.5	4.5			
26							19.7	8.9	10.8	14.9	14.9				4.5	4.5			
27							20.3	11.0	9.3	14.9	14.9				4.5	4.5			
28							20.3	7.9	12.4	14.9	14.9				4.5	4.5			
29							20.3	11.0	9.3	14.9	14.9				5.6	5.6			
30							20.3	3.0	17.3	14.9	14.9				7.4	7.4			
31							19.5	11.0	8.5										
Total							638.2	350.9	287.3	494.4	338.2	156.2	196.4	179.3	17.1	195.2	175.7	19.5	
Acre-feet								1,266			981			390			387		
Priority Diverted								696			671			356			349		
Apport Diverted								570			310			34			39		
Appor diverted to date								570			880			914			953		
TBI acreage	2,394.71							3,268.91			3,263.03			3,263.03			3,272.93		
Apportioned	1,748							1,929			1,961			1,958			1,964		
Duty								0.39			0.30			0.12			0.12		
DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport																
1	7.9	7.9		12.6	12.6		15.6	15.6							35.0	17.7	17.3		
2	10.0	10.0		37.5	37.5										35.0	10.8	24.2		
3	14.5	12.9	1.6	37.5	37.5										25.4	8.8	16.6		
4	10.7	10.7		37.5	37.5										19.6	18.7	0.9		
5	9.3	9.3		37.5	37.5										19.6	8.8	10.8		
6	20.9	20.9		37.5	37.5										19.6	14.8	4.8		
7	19.0	19.0		37.5	24.1	13.4									19.6	17.7	1.9		
8	19.4		19.4	37.5	37.5		25.0	25.0							19.9	18.7	1.2		
9	19.6		19.6	37.5	37.5		30.0	30.0							20.1	20.1			
10	19.0		19.0	31.3	23.5	7.8	30.0	30.0							23.5	20.1	3.4		
11	19.0	3.0	16.0	28.2	28.2		30.0	23.6	6.4						25.9	23.8	2.1		
12	19.0	17.9	1.1	35.8	35.8		24.1	24.1							25.9	18.7	7.2		
13	19.0	19.0		37.5	37.5		17.5	17.5							25.9	18.7	7.2		
14	18.6	15.0	3.6	37.5	37.5		12.5	12.0	0.5						21.5	20.1	1.4		
15	16.4	16.4		39.8	39.8		12.5	12.5							20.0	20.0			
16	22.3	17.9	4.4	35.4	35.4		12.5	12.5							20.0	20.0			
17	20.8	20.8		33.5	33.5		27.8	8.0	19.8						20.0	14.8	5.2		
18	19.5	19.5		33.5	33.5		30.0	30.0							18.6	18.6			
19	19.8		19.8	33.5	33.5		30.0	30.0							17.5	17.5			
20	31.4	15.9	15.5	33.5	33.5		30.0	8.0	22.0						17.5	17.5			
21	37.5	37.5		33.5	33.5		30.0	30.0							11.7	11.7			
22	37.5	28.3	9.2	33.5	33.5		30.0	30.0							7.5	7.5			
23				39.8	39.8		12.5	3.0	9.5						2.8	2.8			
24				41.0	41.0														
25				41.0	41.0														
26	37.5	37.5		41.0	41.0														
27	37.5	37.5		41.0	41.0														
28	37.5	37.5		41.0	41.0														
29	37.5	37.5		41.0	41.0														
30	37.5	37.5		39.1	39.1														
31	37.5	37.5		37.5	37.5														
Total	656.1	546.5	109.6	1121.5	1100.3	21.2	400.0	221.8	178.2	33.2	33.2		59.8		59.8	489.6	385.4	104.2	
Acre-feet				1,301			2,224			793			66			119			971
Priority Diverted				1,084			2,182			440			66			764			8,499
Apport Diverted				217			42			353						207			6,608
Appor diverted to date				1,170			1,212			1,565			1,565			1,684			1,891
TBI acreage				3,281.43			3,281.43			3,282.73			3,233.83			3,233.83			3,233.83
Apportioned				1,969			1,969			4,005			3,945			3,945			3,945
Duty				0.40			0.68			0.24			0.02			0.04			0.30

Diversion from South side of Gila River in SW 1/4 SW 1/4, Sec. 36, T. 6S, R 27E. Water-stage recorder and 16 ft Parshall flume located in NE 1/4 NE 1/4, Sec. 2, T. 7S, R 27E, which measures combined flow of San Jose, Fourness, Montezuma, and Union Canals

Record Good

2021

FOURNESS CANAL: 210.70 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1																		
2																		
3																		
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																		
Acre-feet																		
Priority Diverted																		
Apport Diverted																		
Appor diverted to date																		
TBI acreage																		
Apportioned																		
Duty																		
	161.40				161.40					161.40						161.40		
	118				97					97						97		

DAY	JUL			AUG			SEP			OCT			NOV			DEC		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1																2.0		2.0
2																2.0		2.0
3																0.8		0.8
4																		
5																		
6																		
7																		
8																		
9																		
10																1.2		1.2
11																2.0		2.0
12																2.0		2.0
13																2.0		2.0
14																2.0		2.0
15																2.0		2.0
16																2.0		2.0
17																2.0		2.0
18																2.0		2.0
19																2.0		2.0
20																2.0		2.0
21																2.0		2.0
22																2.0		2.0
23																2.0		2.0
24																0.8		0.8
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Total																3.4		3.4
Acre-feet																7		65
Priority Diverted																	29	
Apport Diverted																	36	
Appor diverted to date																	43	
TBI acreage																	43	
Apportioned																	161.40	
Duty																	197	
	161.40				161.40					161.40						161.40		161.40
	97				97					197						197		197
																0.04		0.40
																	0.45	

2021

MONTEZUMA CANAL: 4,715.78 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							39.0	14.0	25.0	14.5	14.5		13.5	13.5					
2							27.5		27.5	14.2	4.1	10.1	12.0	12.0					
3							25.8	14.7	11.1	14.0		14.0	13.3	13.3					
4							26.1	17.4	8.7	13.5	0.7	12.8	13.0	13.0					
5							23.4	16.9	6.5	13.5		13.5	11.9	11.9					
6							20.8	13.6	7.2	13.6	4.9	8.7	10.5	10.5					
7							20.4	14.4	6.0	13.5	0.7	12.8	8.4	8.4					
8							18.3	14.7	3.6	13.3		13.3	7.8	7.8					
9							16.4	14.0	2.4	13.5		13.5	7.1	7.1					
10							16.0	12.8	3.2	13.4	13.4								
11							16.2	4.9	11.3	13.4						5.5	5.5		
12							16.2	11.9	4.3	13.3						6.8	6.8		
13							15.9	12.8	3.1	13.1						5.9	5.9		
14							15.3	14.0	1.3	12.7						5.3	5.3		
15							15.5	12.8	2.7	13.6						5.1	5.1		
16							16.6	13.6	3.0	13.7						4.8	4.8		
17							16.8	12.8	4.0	13.8						5.0	5.0		
18							16.7	14.4	2.3	13.6						4.4	4.4		
19							16.5	13.6	2.9	13.9						3.9	3.9		
20							16.4	14.0	2.4	13.9						3.8	3.8		
21							16.1	0.7	15.4	13.8						4.1	4.1		
22							15.6	1.9	13.7	13.6						4.2	4.2		
23							16.1		16.1	14.6	14.3					4.5	4.5		
24							16.3	0.3	16.0	14.5	14.5					5.1	5.1		
25							16.7	4.9	11.8	14.1	14.1					5.2	5.2		
26							15.5	9.3	6.2	13.9						4.8	4.8		
27							16.0	11.9	4.1	14.0						4.7	4.7		
28							15.8	7.6	8.2	13.8						5.5	5.5		
29							15.4	11.9	3.5	13.9						6.1	6.1		
30							15.2	4.1	11.1	13.9						7.8	7.6	0.2	
31							15.2	11.9	3.3										
Total							569.7	321.8	247.9	412.1	298.6	113.5	111.2	111.2		124.1	118.7	5.4	
Acre-feet										1,130									
Priority Diverted										817									
Apport Diverted										638									
Appor diverted to date										592									
TBI acreage										492									
Apportioned										492									
Duty										717									
											717								
												3,173.16							
												3,173.56							
													3,192.06						
													3,192.06						
													0.36						
													0.26						
													0.07						
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	7.3	7.3					7.9	7.9								27.1	13.7	13.4	
2	9.3	9.3					10.6	10.6								27.2	11.3	15.9	
3	14.2	12.9	1.3				25.5	25.5								19.6	8.9	10.7	
4	17.3	17.3					23.9	23.9								14.0	14.0		
5	17.9	17.9					22.7	22.7								14.5	8.9	5.6	
6	20.9	20.9					21.9	21.9								14.2	13.0	1.2	
7	15.5	15.5					22.8	22.8								14.4	13.7	0.7	
8	16.4		16.4				27.3	27.3								15.3	15.3		
9	16.7	16.7					27.0	27.0								15.9	15.9		
10	15.0	0.7	14.3				8.8	8.8								16.6	16.1	0.5	
11	15.2	4.1	11.1							27.2	22.5	4.7					17.9	17.9	
12	14.5	14.4	0.1				19.5	19.5								17.8	15.3	2.5	
13	13.5	13.5					22.1	22.1								17.9	14.1	3.8	
14	10.8	10.8					22.9	22.9								17.7	16.6	1.1	
15	14.2	14.2					27.1	27.1								17.5	17.5		
16	19.2	14.4	4.8				32.3	32.3								17.7	17.7		
17	17.0	17.0					35.8	35.8								17.3	13.0	4.3	
18	15.6	15.6					35.1	35.1								16.0	15.3	0.7	
19	15.8		15.8				36.0	36.0								15.2	15.2		
20	22.3	14.1	8.2				35.0	35.0								14.3	14.3		
21	24.7	24.7					34.4	34.4								14.3	14.3		
22	3.4	3.4					33.8	33.8								10.6	10.8		
23							37.1	37.1	1.0	1.0						9.0	9.0		
24							38.0	38.0								1.5	1.5		
25							36.7	36.7											
26	24.1	24.1					37.7	37.7											
27	24.1	24.1					38.3	38.3											
28	24.1	24.1					36.6	36.6											
29	24.1	24.1					35.2	35.2											
30	24.1	24.1					34.2	34.2											
31	24.1	24.1					28.6	28.6											
Total	481.3	409.3	72.0	846.9	846.9		269.6	205.4	64.2	22.0	2.7	19.3	46.3		46.3	383.7	323.3	60.4	
Acre-feet				955			1,680										761	6,479	
Priority Diverted				812			1,680										641	5,231	
Apport Diverted				143													120	1,248	
Appor diverted to date				871			871										1,128	1,248	
TBI acreage				3,192.46			3,192.46									3,039.46	3,039.46	3,039.46	
Apportioned				1,915			1,915									3,708	3,708	3,708	
Duty				0.30			0.53									0.01	0.03	0.25	
																		2.13	

2021

UNION CANAL: 7,220.84 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							42.1	16.8	25.3	27.7	27.7		11.9	11.9					
2							47.3	47.3		25.4	3.2	22.2	11.9	11.9					
3							47.3	25.3	22.0	25.4		25.4	11.9	11.9		6.9	6.9		
4							47.3	43.0	4.3	25.4		25.4	11.9	11.9		7.5	7.5		
5							47.2	38.9	8.3	22.6		22.6	11.9	11.9		7.5	2.3	5.2	
6							47.2	11.8	35.4	20.6	4.3	16.3	11.9	11.9		7.5	2.3	5.2	
7							47.2	20.5	26.7	20.6		20.6	11.9	11.9		7.5	7.5		
8							42.4	25.3	17.1	20.6		20.6	11.9	11.9		7.5	7.5		
9							35.8	16.8	19.0	20.6		20.6	11.9	11.9		7.5	7.5		
10							33.6	11.0	22.6	20.6		20.6	2.5	2.5		7.2	7.2		
11							33.6	4.3	29.3	20.6						5.4	5.4		
12							33.6	7.5	26.1	20.6						4.8	4.8		
13							33.6	11.0	22.6	20.6						4.8	4.8		
14							33.6	16.8	16.8	18.4						4.8	4.8		
15							33.6	11.0	22.6	16.8						4.7	4.7		
16							33.6	11.6	21.8	16.8						4.6	4.6		
17							33.6	11.0	22.6	16.8						4.4	4.4		
18							33.6	20.5	13.1	13.9						4.3	4.3		
19							33.6	11.8	21.8	11.9						4.3	4.3		
20							33.6	16.8	16.8	11.9						4.1	4.1		
21							33.6	2.2	33.6	11.9						3.9	3.9		
22							33.6	31.4	11.9	11.9						3.8	3.8		
23							33.6	33.6	11.9	11.9						3.8	3.8		
24							33.6	33.6	11.9	11.9						3.8	3.8		
25							33.6	4.3	29.3	11.9						3.8	3.8		
26							36.5	7.4	29.1	11.9						3.8	3.8		
27							38.9	7.5	31.4	11.9						3.8	3.8		
28							38.9	5.3	33.6	11.9						3.8	3.8		
29							38.9	7.5	31.4	11.9						4.2	4.2		
30							38.9	3.2	35.7	11.9						5.1	5.1		
31							34.2	7.5	26.7										
Total							1167.7	376.8	790.9	516.8	315.4	201.4	121.5	121.5		145.1	134.7	10.4	
Acre-feet										2,316			1,025						
Priority Diverted										747			626						
Apport Diverted										1,569			399						
Appor diverted to date										1,569			1,968						
TBI acreage	3,797.85						4,785.65			4,804.75			4,819.81			4,831.54			4,846.29
Apportioned	2,772						2,871			2,883			2,892			2,899			2,908
Duty										0.48			0.21			0.05			0.06
JUL	AUG			SEP			OCT			NOV			DEC			Totals			
DAY	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	5.1	5.1		50.0	50.0		24.0	24.0								52.9	20.3	32.6	
2	5.0	5.0		50.0	50.0											45.0	7.4	37.6	
3	6.1	6.1		50.0	50.0											38.6	7.4	31.2	
4	8.1	8.1		50.0	50.0											34.7	33.3	1.4	
5	8.7	8.7		50.0	50.0											34.7	7.4	27.3	
6	25.5	25.5		50.0	50.0											34.7	11.7	23.0	
7	31.1	31.1		50.0	47.7	2.3										34.7	20.3	14.4	
8	31.1			31.1	50.0	50.0		41.7	41.7							39.0	30.6	8.4	
9	31.1	31.1		50.0	50.0			50.0	50.0							42.6	42.6		
10	31.1			31.1	50.0	47.6	2.4	50.0	50.0							36.7	36.7		
11	28.1	3.2		24.9	50.7	50.7		50.0	47.7	2.3						32.5	32.5		
12	25.5	20.7	4.8	50.0	50.0			58.4	47.7	10.7						32.5	32.5		
13	25.5	25.5		50.0	50.0			60.6	35.3	25.3						32.5	25.1	7.4	
14	23.7	11.9		11.8	50.0	50.0		49.1	9.1	40.0						32.5	32.5		
15	17.6				57.1	57.1		37.5	11.1	26.4						32.5	32.5		
16	19.0	19.0		60.6	60.6			37.5	20.7	16.8						32.5	32.5		
17	24.8	24.8		60.6	60.6			37.5	5.3	32.2						32.5	11.7	20.8	
18	26.9	26.9		50.2	50.2			37.5		37.3			37.3			28.4			
19	26.9			26.9	45.0	45.0		37.5		59.6			59.6			25.0	25.0		
20	40.4	16.9		23.5	45.0	45.0		37.5	5.3	32.2		57.9	11.7	46.2		25.0	25.0		
21	50.0	50.0			45.0	45.0						55.8				25.0	25.0		
22	50.0	47.8	2.2		45.0	45.0						55.6				25.0	25.0		
23					45.0	45.0						44.5	20.3	24.2		25.0	25.0		
24					45.0	45.0						36.0				9.4	9.4		
25					45.0	45.0						35.9							
26	50.0	50.0			45.0	45.0						35.9	35.9						
27	50.0	50.0			45.0	45.0						21.3	21.3						
28	50.0	50.0			54.9	54.9						20.7							
29	50.0	50.0			57.5	57.5						5.2	5.2						
30	50.0	50.0			57.5	57.5						42.2							
31	50.0	50.0			57.5	57.5						59.6							
Total	841.3	685.0	156.3	1561.6	1556.9	4.7	624.4	347.9	276.5	465.7	187.0	278.7	101.8		101.8	783.9	579.8	204.1	
Acre-feet		1,669			3,097					1,238			924				1,555		12,555
Priority Diverted		1,359			3,088					690			371				1,150		8,539
Apport Diverted		310			9					548			553				405		4,016
Appor diverted to date		2,299			2,308					2,856			3,409				4,016		4,016
TBI acreage		4,846.79			4,847.59					4,848.89			4,766.39				4,766.39		4,766.39
Apportioned		2,908			2,909					5,916			5,815				5,815		5,815
Duty		0.34			0.64					0.26			0.19				0.04		0.33

2021

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													
1							9.0	4.0	5.0	7.3									
2							9.0		9.0	5.0	0.3	4.7							
3							9.0	5.2	3.8	5.0		5.0							
4							9.0	9.0		5.0		5.0							
5							9.0	9.0		4.5		4.5							
6							9.0	2.6	6.4	4.0	0.5	3.5							
7							9.0	4.1	4.9	3.9		3.9							
8							9.0	5.2	3.8	3.9		3.9							
9							9.0	4.0	5.0	3.9		3.9							
10							9.0	1.7	7.3	3.9	3.9								
11							9.2	0.5	8.7	3.9	3.9								
12							9.2	0.9	8.3	3.9	3.9								
13							9.2	1.7	7.5	3.9	3.9								
14							9.1	4.0	5.1	3.9	3.9								
15							8.8	1.7	7.1	3.9	3.9								
16							8.7	2.6	6.1	4.3	4.3								
17							8.9	1.7	7.2	4.1	4.1								
18							9.2	4.1	5.1	3.2	3.2								
19							9.3	2.6	6.7	2.4	2.4								
20							9.3	4.0	5.3	2.4	2.4								
21							9.2		9.2	2.4	2.4								
22							9.4		9.4	2.4	2.4								
23							9.4		9.4	2.4	2.4								
24							9.3		9.3	2.3	2.3								
25							9.4	0.5	8.9	2.4	2.4								
26							10.0	0.7	9.3	2.4	2.4								
27							10.6	0.9	9.7	2.4	2.4								
28							10.6	0.6	10.0	1.8	1.8								
29							10.3	0.9	9.4										
30							8.1	0.3	7.8										
31							7.1	0.9	6.2										
Total							284.3	73.4	210.9	100.8	59.1	41.7					2.3	2.3	
Acre-feet							564			200								5	
Priority Diverted							146			117								5	
Apport Diverted							418			83									
Appor diverted to date							418			501								501	
TBI acreage	2240.61						3261.91			3261.91								3249.21	
Apportioned	1636						1823			1957								1950	
Duty							0.17			0.06									
DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport													
1				31.6	31.6														
2				32.9	32.9														
3				37.8	37.8														
4				39.6	39.6														
5				38.9	38.9														
6				39.2	39.2														
7	4.7	4.7		38.5	20.8	17.7	37.4	37.4											
8	15.9		15.9	36.0	36.0		37.5	37.5											
9	23.0	23.0		38.8	38.8		38.3	38.3											
10	18.2		18.2	38.9	19.0	19.9	37.5	37.5											
11	7.1	0.3	6.8	38.9	38.9		36.5	20.1	16.4										
12	4.3	3.9	0.4	36.1	36.1		30.5	21.5	9.0										
13	4.9	4.9		23.9	23.9		30.4	9.2	21.2										
14	1.9	1.9		29.9	29.9		38.5	1.4	37.1										
15				31.2	31.2		32.3	1.7	30.6										
16				20.1	20.1		32.5	4.0	28.5										
17				27.1	27.1		23.8	0.6	23.2	7.7	5.1	2.6							
18	12.1	12.1		26.3	26.3		12.4		12.4	17.0	17.0	22.4	22.4						
19	23.7		23.7							17.0	17.0	22.6	22.6						
20	28.3	3.9	24.4							17.0	2.6	14.4	22.6						
21	29.4	29.4								17.5		22.6	22.6						
22	25.2	22.9	2.3							17.0		22.6	22.6						
23				31.2	31.2					14.4	4.0	10.4	22.6						
24				28.5	28.5					12.5	12.5	22.0	22.0						
25				39.8	39.8					12.3	12.3	18.4	18.4						
26				40.5	40.5					12.1	12.1		15.8	15.8					
27				28.3	28.3					11.8	11.8		12.4	12.4					
28				29.6	29.6					3.5	3.5		3.3						
29	4.1	4.1		28.8	28.8									3.3					
30	15.3	15.3		33.8	33.8														
31	35.0	35.0		36.9	36.9														
Total	253.1	161.4	91.7	903.1	865.5	37.6	387.6	209.2	178.4	159.8	63.9	95.9	207.3	204.0	3.3	324.3	218.2	106.1	
Acre-feet				502			1791			769			317					643	
Priority Diverted				320			1717			415			127					433	
Apport Diverted				182			75			354			190					1519	
Appor diverted to date				683			758			112			1302					1519	
TBI acreage				3250.41			3250.41			3250.41			3203.51					3203.51	
Apportioned				1950			1950			3966			3908					3908	
Duty				0.15			0.55			0.24			0.10					0.20	

Diversion from North side of Gila River in NW 1/4 NE 1/4, Sec. 9, T. 7S, R. 26E. Water-stage recorder and 8 ft Parshall flume located in SW 1/4 SW 1/4, Sec. 4, T. 7S, R. 26E.

Record Good

2021

SMITHVILLE CANAL: 2,428.63 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport															
1										4.4	4.4	0.0	0.0	0.0				
2										13.8	13.8	0.0	0.0	0.0				
3										9.9	9.9							
4										9.8	9.8							
5										6.4	6.4							
6										12.9	12.9							
7										13.0	13.0							
8							3.8	3.8		9.9	9.9							
9							7.3	7.3		5.4	5.4							
10							9.3	6.8	2.5	6.9	6.9	5.4						
11										7.1	7.1	7.5	7.5					
12										5.7	5.7	6.1	6.1					
13										6.9	6.8	0.1	3.0	3.0				
14										6.0	6.0							
15										5.1	5.1							
16										9.5	9.4	0.1						
17										8.4	6.8	1.6						
18										7.2	7.2							
19										10.6	9.4	1.2						
20										11.9	11.0	0.9						
21										11.7	11.7							
22										9.6	9.6							
23										11.0	11.0							
24										8.1	8.1							
25										9.2	9.2							
26										12.9	12.9							
27										10.0	10.0							
28										8.9	8.9							
29										10.9	10.9							
30										6.9	6.9							
31										8.8	8.8							
Total										206.8	79.6	127.2	109.0	23.5	85.5	0.0	0.0	

Acre-feet										410								
Priority Diverted										158	47							
Apport Diverted										252	170							
Appor diverted to date										252	422							
TBI acreage	1914.21						2006.31			2006.51	1997.64			422				
Apportioned	1397						1204			1204	1199			422				
Duty										0.20	0.11			1997.64				1199

DAY	JUL			AUG			SEP			OCT			NOV			DEC			
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Totals
1				11.5	11.5											8.2		8.2	
2				12.3	12.3											8.4		8.4	
3				12.6	12.6											16.5	14.3	2.2	
4				12.7	12.7											16.5			
5				12.6	12.6														
6				12.1	12.1											15.7	9.4	6.3	
7				11.8	11.8					3.4	3.4					15.1	11.8	3.3	
8				11.4	11.4					11.7	11.7					16.1	13.5	2.6	
9				10.8	10.8					10.7	10.7					17.7	17.7		
10				13.4	13.4					10.5	10.5					17.7	15.7	2.0	
11	1.8		1.8	13.9	13.9					10.4	10.4					17.8	17.8		
12	3.2	3.2		13.3	13.3					10.1	10.1					17.8	14.3	3.5	
13	5.1	5.1		12.6	12.6					9.9	9.9					17.8	12.7	5.1	
14	0.9	0.9		11.9	11.9					11.9	11.9					17.8	16.7	1.1	
15	3.9	3.9		11.6	11.6					10.2	6.8	3.4				17.9	17.9		
16	5.3	5.3		12.4	12.4					10.2	10.2					18.1	17.0	1.1	
17	11.6			11.4	11.4					8.2						18.1	9.4	8.7	
18	12.2	12.2		9.9	9.9					2.4						18.1	13.5	4.6	
19	8.9			8.9	11.7	11.7							12.0	12.0		18.1	18.1		
20	11.3	11.0	0.3	10.9	10.9						9.0	9.0				18.1	13.5	4.6	
21	11.7	11.7		11.0	11.0								5.0	5.0		18.1	17.9	0.2	
22	8.1	8.1		11.0	11.0								0.5	0.5		18.1	18.1		
23	1.6	1.6		10.8	10.8											18.4	18.4		
24				11.4	11.4											9.9	9.9		
25				11.0	11.0											5.4	5.4		
26				10.8	10.8											6.1			
27				10.7	10.7											6.8			
28				9.9	9.9											6.2			
29	8.1	8.1		9.4	9.4											2.2	2.2		
30	12.5	12.5		9.0	9.0														
31	11.5	11.5		9.1	9.1														
Total	117.7	106.7	11.0	354.9	354.9					106.9	87.4	19.5	34.2	9.0	25.2		402.7	324.3	78.4
Acre-feet	233						704										799		2,644
Priority Diverted	212						704										643		1,955
Apport Diverted	22																156		689
Appor diverted to date	444						444									533		689	
TBI acreage	1997.64						1997.64									1990.44		1,990.44	
Apportioned	1199						1199									2428		2428	
Duty	0.12						0.35									0.03		0.40	
																		1.33	

Diversion from South side of Gila River in NE 1/4 NW 1/4, Sec. 1,
T. 7S, R. 25E. Water-stage recorder and 8 ft Parshall flume
located in NW 1/4 SW 1/4, Sec. 36, T 6S, R. 25E, which measures
combined flow of Smithville and Dodge-Nevada Canals.
Segregatio

Record Good

2021

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										2.1			2.1	4.6	4.1	0.5					
2										5.1			5.1	3.5	3.5						
3										5.2			5.2	0.6	0.6						
4										5.3			5.3								
5										5.6			5.6								
6											5.6			5.6							
7											5.6			5.6							
8											5.6			5.6							
9											5.6			5.6							
10											5.6	5.6									
11							3.6			3.6	5.6	5.6									
12							5.7	0.9		4.8	5.6	5.6									
13							5.7	2.4		3.3	5.6	5.6									
14							5.7	4.1		1.6	4.3	4.3									
15							5.7	2.4	3.3	7.8	7.8	7.8									
16								7.0	3.3	3.7	5.1	5.1									
17								8.7	2.4	6.3	3.6	3.6									
18								8.7	4.9	3.8	4.0	4.0									
19								8.1	3.3	4.8	8.4	8.3	0.1								
20								7.5	4.1	3.4	8.4	8.3	0.1								
21									7.5		7.5	7.3	7.3								
22									7.5		7.5	7.7	7.5	0.2							
23									7.5		7.5	6.7	4.9	1.8							
24									6.4		6.4	0.8	0.8								
25									5.9		5.9	2.0	2.0								
26									5.9	0.7	5.2	2.3	2.3								
27									5.9	0.9	5.0	1.2	1.2								
28									5.9	0.7	5.2	0.5	0.5								
29									5.9	0.9	5.0	2.9	2.9								
30									4.5		4.5	4.7	4.7								
31									2.6	0.9	1.7										
Total									131.9	31.9	100.0	145.8	97.9	47.9	8.7	8.2	0.5				
Acre-feet										262			289			17					
Priority Diverted										63			194			16					
Apport Diverted										198			95			1					
Appor diverted to date										198			293			294					
TBI acreage				1,779.70			1,845.30			1,885.10			1,885.10			1,885.10					
Apportioned				1,299			1,107			1,131			1,131			1,131					
Duty										0.14			0.15			0.01					
DAY	JUL			AUG			SEP			OCT			NOV			DEC					
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Totals		
1				12.5	12.5											10.1	0.9	9.2			
2				12.5	12.5											7.2	0.8	6.4			
3				12.5	12.5											16.5	7.5	9.0			
4				12.5	12.5											16.5	0.8	15.7			
5				12.5	12.5																
6				12.5	12.5																
7				12.5	11.2	1.3	3.0	3.0													
8				12.5	12.5				12.5	12.5											
9				12.5	12.5				12.5	12.5											
10				12.5	11.1	1.4	12.5	12.5													
11	1.1		1.1	12.5	12.5				12.5	11.1	1.4						11.2	11.2			
12	2.4		2.4	12.5	12.5				12.5	11.2	1.3						11.2	7.5	3.7		
13	5.0		5.0	12.5	12.5				12.5	8.3	4.2						11.2	5.9	5.3		
14	1.5		1.5	12.5	12.5				12.5	1.4	11.1						11.2	10.1	1.1		
15	2.0		2.0	12.5	12.5				12.5	2.4	10.1						11.4	11.4			
16	4.6		4.6	12.5	12.5				12.5	5.0	7.5						11.6	10.8	0.8		
17	10.6		10.6	12.5	12.5				12.5	0.7	11.8						11.6	3.3	8.3		
18	12.5		12.5	12.5	12.5		4.3			4.3							11.6	6.7	4.9		
19	12.5		12.5	12.5	12.5					12.5		12.5					11.6	11.6			
20	12.5		4.1	12.5	12.5					12.5	3.3	9.2					11.6	6.7	4.9		
21	12.5		12.5	12.5	12.5						12.5		12.5				11.6	11.0	0.6		
22	8.5		8.5	12.5	12.5						4.2						11.6	11.6			
23	6.7		5.0	12.5	12.5												11.6	11.6			
24				12.5	12.5												3.5	3.5			
25				12.5	12.5																
26				12.5	12.5																
27				12.5	12.5																
28				12.5	12.5																
29	10.6		10.6	12.5	12.5																
30	12.5		12.5	12.5	12.5																
31	12.5		12.5	12.5	12.5																
Total				128.0	104.3	23.7	387.5	384.8	2.7	132.3	80.6	51.7	49.8	3.3	46.5			255.0	168.3	86.7	
Acre-feet					254					769								506		2,457	
Priority Diverted					207					763								334		1,744	
Apport Diverted					47					5								172		713	
Appor diverted to date					341					346								713		713	
TBI acreage					1,892.70					1,892.70								1,889.40		1,889.40	
Apportioned					1,136					1,136								2,305		2,305	
Duty					0.13					0.41								0.05		0.27	
																				1.30	

2021

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														
1	4.9	4.9								4.9	4.9					1.8	1.8			
2	4.7	4.7								4.9	4.9					0.8	0.8			
3	5.0	5.0								5.2	5.2					4.2	3.8	0.4		
4	5.2	5.2								5.1	5.1					5.9	0.3	5.6		
5	1.9	1.9								3.8	3.8					0.9		0.9		
6										4.8	4.8					0.4		0.4		
7										5.5	5.5					1.9	1.9			
8										5.8	5.8					1.0	1.0			
9										5.8	5.8					1.4	1.4			
10										5.6	5.6					0.2	0.2			
11										5.5	5.5									
12										5.5	5.5									
13										5.0	5.0									
14										4.3	4.3									
15										4.6	4.6									
16										3.2	3.2									
17										4.0	4.0									
18										3.0	3.0									
19										2.0	2.0									
20										1.8	1.8									
21										1.5	1.5									
22										1.3	1.3									
23										1.3	1.3									
24																				
25																				
26																				
27																				
28																				
29																				
30																				
31										3.2	3.2									
Total	21.7	21.7								3.2	3.2	97.0	51.2	45.8	14.5	12.1	2.4	33.2	12.4	20.8
Acre-feet																				
Priority Diverted		43									6		192			29			66	
Apport Diverted		43											102			24			25	
Appor diverted to date													91			5			41	
TBI acreage		546.39											6			97			147	
Apportioned		399														102				
Duty		0.08														0.12			0.04	
JUL			AUG			SEP			OCT			NOV			DEC			Totals		
DAY	Total	Priority	Apport	Total	Priority	Apport	Totals													
1	12.8	12.8		14.1	14.1											9.0	9.0			
2	2.1	2.1		12.9	12.9		15.2	15.2								8.7		8.7		
3				12.7	12.7		14.6	14.6								5.1		5.1		
4				13.3	13.3		15.6	15.6								2.4		2.4		
5				13.0	13.0		16.6	16.6								1.6		1.6		
6				15.9	15.9		17.0	17.0								5.9	1.1	4.8		
7				16.9	16.9	0.6	16.9	16.9								14.4	10.3	4.1		
8				15.5	15.5		16.5	16.5								13.8	13.8	15.2	13.4	
9				17.0	17.0		16.4	16.4								14.2	14.2	14.8	14.8	
10				16.1	16.1		15.8	15.8								14.0	14.0	11.9	11.9	
11				17.2	17.2		14.2	14.2								14.1	14.1	13.2		
12				15.9	15.9		14.0	14.0								14.4	14.4	14.4		
13				16.6	16.6		13.0	13.0								14.6	14.6	13.8	12.4	
14				16.2	16.2		13.0		13.0							14.7	14.7	13.0	1.4	
15	4.9	4.9		15.0	15.0		12.9	0.3	12.6							14.9	14.9	12.9		
16	5.5	5.5		15.4	15.4		12.9	10.3	2.6							15.3	15.3			
17	9.7	9.7		17.0	17.0		12.6		12.6							15.6	15.6			
18	19.3	19.3		17.0	17.0		12.6		12.6							14.7	14.7	9.8	9.8	
19	7.5			17.1	17.1		12.6		12.6							16.2	16.2	9.1	9.1	
20	15.6	3.8	11.8	15.8	15.8		12.3		12.3							17.7	17.7	8.7	8.7	
21	10.0	10.0		15.8	15.8		12.3		12.3							18.1	18.1	8.2	8.2	
22	9.8	9.8		14.5	14.5		12.3		12.3							15.5	15.5	10.2		
23	14.0	10.3	3.7	12.3	12.3		12.1		12.1							13.3	13.3	12.1		
24	8.8	8.8		15.6	15.6		12.1		12.1							10.6	10.6	12.0	12.0	
25	6.4	6.4		17.0	17.0		12.1		12.1							11.4	11.4	11.9	11.9	
26	15.9	15.9		15.9	15.9		12.2		12.2							14.8	14.8	12.5		
27	15.1	15.1		15.8	15.8		13.7	13.7								17.0	17.0	13.4		
28	11.1	11.1		16.6	16.6		14.5	14.5								17.8	17.8	13.2		
29	6.3	6.3		17.0	17.0		13.2		13.2							15.4	15.4	13.2		
30	14.6	14.6		17.2	17.2		12.3		12.3							11.0	11.0	9.2	9.2	
31	9.4	9.4		15.2	15.2											0.53				
Total	186.7	163.7	23.0	482.2	481.6	0.6	415.6	251	164.6				401.2	357	44.2	322.1	284.5	37.6		
Acre-feet		370			956			824								796		639	3,923	
Priority Diverted		325			955			498								708		564	3,244	
Apport Diverted		46			1			326								88		75	679	
Appor diverted to date		193			194			520								608		683	683	
TBI acreage		1,568.50			1,568.50			1,568.50								1,578.40		1,578.40	1,578.40	
Apportioned		941			941			1,914								1,926		1,926	1,926	
Duty		0.24			0.61			0.53								0.50		0.40	2.49	

Diversions from North side of Gia River in SW 1/4
SW 1/4, Sec. 7, T. 6S, R. 2E. Water-stage recorder
and 6 ft Parshall flume located in NW 1/4 SE 1/4,
Sec. 12, T. 6S, R. 24E.

Record Good

2021

FT. THOMAS CANAL: 2,615.89 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	3.8	3.8																
6	1.8	1.8																
7	2.3	2.3																
8	3.2	3.2																
9	2.6	2.6																
10	1.5	1.5																
11	1.2	1.2																
12	1.0	1.0																
13	3.3	3.3																
14	5.8	5.8																
15	2.3	2.3																
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Total	28.8	28.8																
Acre-feet																		
Priority Diverted		57																
Apport Diverted		57																
Appor diverted to date																		
TBI acreage	1177.53																	
Apportioned	860																	
Duty	0.05																	

DAY	JUL			AUG			SEP			OCT			NOV			DEC		
	Total	Priority	Apport															
1				11.5	11.5					3.5	3.5					5.4	1.8	3.6
2				11.8	11.8											5.7	0.5	5.2
3				11.6	11.6											3.0	0.5	2.5
4				11.7	11.7											8.4	2.3	6.1
5				10.5	10.5											9.4	0.5	8.9
6				10.2	10.2											10.5	0.6	9.9
7				9.8	7.8	2.0										11.6	1.8	9.8
8				8.5	8.5		2.2	2.2								12.4	2.3	10.1
9				9.4	9.4		8.8	8.8								10.5	10.0	0.5
10				8.8	5.6	3.2	9.7	9.7								8.3	2.7	5.6
11				9.7	9.7		9.1	6.8	2.3							4.9	4.9	
12				9.8	9.8		9.5	9.4	0.1							1.3	1.3	
13				8.8	8.8		8.5	2.5	6.0									
14				12.3	12.3		8.9	0.5	8.4									
15				14.2	14.2		8.5	0.5	8.0									
16				14.2	14.2		9.0	1.9	7.1									
17	2.6	2.6		13.9	13.9		9.8	0.5	9.3							0.4	0.4	
18	7.5	7.5		13.6	13.6		7.1		7.1							3.7	3.7	
19				13.6	13.6		9.6		9.6							5.4	5.4	
20	0.7	0.7		13.6	13.6		10.4	0.5	9.9							5.1	5.1	
21	8.5	8.5		13.6	13.6		10.7		10.7							4.7	4.7	
22	8.4	8.4		13.6	13.6		9.2		9.2							4.1	4.1	
23				8.0	8.0		10.9		10.9							5.4	5.4	
24				6.0	6.0		11.7		11.7							5.1	5.1	
25				6.0	6.0		6.9		6.9							4.7	4.7	
26				5.9	5.9		6.8		6.8							4.5	4.5	
27	6.5	6.5		5.8	5.8		7.4	7.4								4.5	4.5	
28	15.2	15.2		5.8	5.8		8.0	8.0								4.6	3.2	
29	4.5	4.5		5.8	5.8		8.7		8.7							4.9	3.1	
30	8.6	8.6		6.2	6.2		8.8	8.8								4.9	3.1	
31	10.5	10.5		6.1	6.1											3.1	3.1	
Total	73.0	73.0		310.3	305.1	5.2	200.2	67.5	132.7	3.5	3.5		42.7	28.3	14.4	125.3	63.1	62.2
Acre-feet					615				397							85		249
Priority Diverted					605				134							56		125
Apport Diverted					10				263							29		123
Appor diverted to date					10				273							302		425
TBI acreage	1224.90			1240.70			1240.70			1204.20			1204.20			1204.20		1,204.20
Apportioned	735			744			1514			1469			1469			1469		1,469
Duty	0.12			0.50			0.32			0.01			0.07			0.21		1.29

Diversions from South side of Gila River in NE 1/4
NW 1/4, Sec. 4, T. 6S, R. 24E. Water-stage recorder
and 6 ft. flume located in SE 1/4 SW 1/4, Sec. 32, T.
5S, R. 24E.

Record Good

2021

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												
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																		
Acre-feet																		
Priority Diverted																		
Apport Diverted																		
Appor diverted to date																		
TBI acreage																		
Apportioned																		
Duty																		
JUL	AUG			SEP			OCT			NOV			DEC			Totals		
DAY	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																		
Acre-feet																		
Priority Diverted																		
Apport Diverted																		
Appor diverted to date																		
TBI acreage																		
Apportioned																		
Duty																		

Diversions from North side of Gila River in SE 1/4
SW 1/4, Sec. 26, T. 4S, R. 23E. Water-stage
recorder and 2 ft Parshall flume located in SE 1/4
SW 1/4, Sec. 26, T. 4S, R. 23E.
Record Good

2021

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									0.8				0.8													
2									1.4				1.4													
3									2.0				2.0													
4									2.0				2.0													
5					0.5				0.5				1.9													
6						1.0				1.0				1.9												
7						0.9				0.9				1.1												
8						0.8				0.8				1.1												
9						0.9				0.9				2.1												
10						1.0				1.0				2.1												
11						0.8				0.8				2.1												
12						0.8				0.8				2.1												
13						1.1				1.1				2.1												
14						0.9				0.9				0.5												
15						0.9				0.9				0.8												
16						1.0				1.0				2.0												
17						1.0				1.0				2.1												
18						0.8				0.8				2.1												
19						0.7				0.7				2.1												
20						0.7				0.7				2.1												
21						0.8				0.8				2.1												
22						1.0				1.0				2.1												
23						1.0				1.0				2.1												
24						1.1				1.1				2.1												
25						1.0				1.0				2.1												
26						1.0				1.0				2.1												
27						1.0				1.0				2.1												
28						1.0				1.0				2.2												
29													0.8													
30																										
31																										
Total						21.7				21.7				54.2												
Acre-feet Diverted to date TBI Acreage Duty	71.0	#DIV/0!	#DIV/0!	71.0	71.0	43				43	108			108												151
						43				43	151			151	151			151	151							
						0.61	#DIV/0!	#DIV/0!		71.0	283.7	67.6	145.1	71.0	283.7	67.6	145.1	71.0	283.7	67.6	145.1	71.0	283.7	67.6	145.1	71.0
						0.61				0.61	0.53			1.52	0.53			0.53								

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																									
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																									
Acre-feet Diverted to date TBI Acreage Duty	151	67.6	145.1	71.0	283.7	67.6	145.1	71.0	283.7	67.6	145.1	71.0	283.7	67.6	145.1	71.0	283.7	67.6	145.1	71.0	283.7	67.6	145.1	71.0	151
	0.53				0.53				0.53				0.53				0.53				0.53				0.53

2021

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	8.6	6.6	6.9	9.6	8.9	9.5	9.1	8.0	7.5	7.9	7.7	3.5
2	8.6	6.7	6.7	9.4	8.4	9.8	9.2	7.6	7.9	7.5	7.4	7.8
3	8.4	6.6	6.5	9.2	3.6	9.2	9.3	7.7	9.3	7.2	4.7	7.6
4	7.2	6.5	6.8	9.3	4.9	9.4	8.9	8.1	8.9	8.1	7.5	7.6
5	7.9	6.5	7.0	9.2	7.2	9.7	9.6	8.1	8.2	9.0	7.4	7.5
6	8.7	6.4	6.7	9.9	8.7	9.8	8.9	8.3	8.9	4.8	7.5	7.3
7	8.2	6.6	6.7	9.6	8.8	9.7	8.9	8.0	8.5	8.5	7.3	7.9
8	7.8	6.5	6.7	9.2	8.8	9.9	3.4	7.8	5.6	8.0	7.6	8.2
9	9.2	6.5	6.7	9.1	8.5	9.5	7.6	7.9	7.6	6.6	7.3	7.5
10	9.3	6.5	6.6	9.1	9.1	9.4	5.2	7.8	7.6	4.8	8.1	7.8
11	9.2	6.4	6.8	9.2	9.0	9.8	7.9	0.8	7.3	7.9	5.2	7.3
12	9.9	6.4	7.4	9.3	3.0	9.4	8.7	2.7	7.2	7.9	7.1	7.5
13	8.5	6.5	8.5	9.6	7.9	9.6	8.1	6.9	7.6	7.4	7.3	7.2
14	8.5	6.5	9.3	9.2	9.1	10.0	8.3	8.0	7.8	7.8	7.4	7.4
15	8.7	6.4	9.9	9.1	8.5	9.8	8.1	7.9	7.7	7.4	7.5	6.1
16	9.6	6.6	9.3	9.3	9.0	9.7	7.6	8.2	7.9	7.6	7.5	7.7
17	9.5	6.5	9.3	8.8	8.8	9.3	8.2	7.9	7.7	8.2	4.8	7.4
18	9.6	6.4	8.9	9.9	9.4	8.9	8.0	8.0	7.4	8.5	7.2	8.0
19	9.4	6.5	9.0	9.0	9.0	8.8	8.2	8.0	7.3	8.6	7.9	7.5
20	9.1	6.7	8.9	9.1	9.2	8.7	8.0	8.1	1.6	5.9	8.3	7.8
21	9.2	6.3	8.8	6.6	9.4	9.3	7.8	7.9	1.2	6.6	8.1	8.0
22	9.4	6.7	1.6	9.0	9.1	9.0	8.4	7.8	7.7	8.0	8.3	1.5
23	9.2	6.5	0.3	9.0	9.1	9.4	7.6	7.6	7.4	7.1	8.1	8.0
24	9.2	3.4	4.0	9.2	9.6	8.6	7.1	8.2	6.8	7.4	7.4	9.3
25	9.3	6.5	7.2	9.2	11.1	8.4	7.6	5.1	5.3	7.7	7.7	7.7
26	8.9	7.0	7.7	1.0	8.8	10.2	7.9	7.9	7.3	7.7	7.5	7.7
27	6.1	6.8	8.6	3.0	9.4	9.2	7.8	8.0	7.5	7.5	7.7	7.3
28	7.6	6.8	9.1	8.7	9.8	9.7	7.9	8.6	7.1	7.5	7.3	7.4
29	8.1		9.3	9.0	9.8	9.8	7.9	8.1	7.4	8.1	7.8	4.8
30	6.9		9.1	9.5	9.3	9.6	7.7	7.5	7.6	7.4	8.1	7.5
31	6.3		9.1		8.8		8.0	7.7		7.8		7.5
Total CFS	266.1	180.3	229.4	260.3	264.0	283.1	246.9	230.2	214.8	232.4	220.7	223.3
Total Acre-Feet	528	358	455	516	524	562	490	457	426	461	438	443
<u>ASARCO Reported Ac-ft.</u>												
Reported	528	357	455	516	524	562	490	457	426	461	438	350
Reported Year-to-Date	528	885	1,340	1,856	2,380	2,942	3,432	3,889	4,315	4,776	5,214	5,564
<u>Tabulations in Ac-ft</u>												
Allocation diverted	528	358	455	516	524	562	490	457	426	461	438	443
Previous Alloc. Div		528	886	1,341	1,857	2,381	2,943	3,433	3,890	4,316	4,777	5,215
Alloc. Div to date	528	886	1,341	1,857	2,381	2,943	3,433	3,890	4,316	4,777	5,215	5,658
Article IX Allocation	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221
Allocation Remaining	15,693	15,335	14,880	14,364	13,840	13,278	12,788	12,331	11,905	11,444	11,006	10,563

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

2021

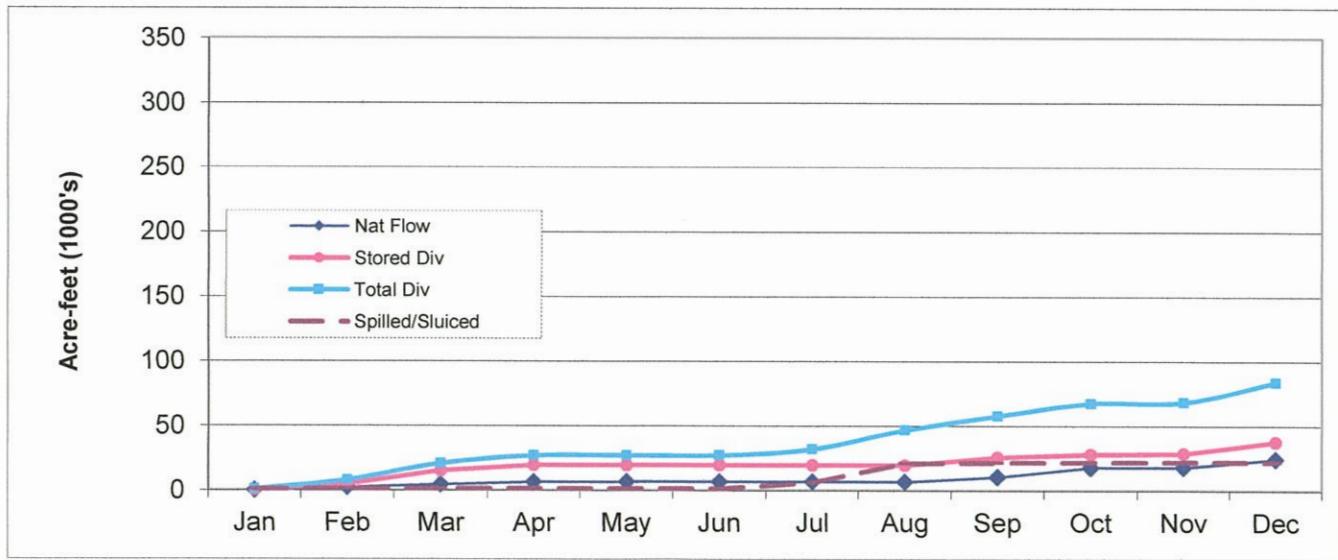
**MASS DIAGRAM OF SAN CARLOS PROJECT
DIVERSIONS AT ASHURT-HAYDEN DAM**

In Acre-Feet

Month	Insert Mthly Natural Flow	Accumulated		Stored Water Diversions	Monthly Total Diversions	Accumulated	
		Natural Flow Diversions	Insert Mthly Stored Water			Total Diversions	Spilled and Sluiced
Jan	1985	1,985	4740	4,740	6,725	803	803
Feb	2408	4,393	10304	15,044	19,437	7,865	1,140
Mar	1900	6,293	4233	19,277	25,570	20,577	1,140
Apr	166	6,459		19,277	25,736	26,710	1,140
May	63	6,522		19,277	25,799	26,876	1,140
Jun		6,522		19,277	25,799	26,939	1,140
Jul		6,522		19,277	25,799	31,705	5,906
Aug		6,522		19,277	25,799	46,585	20,786
Sep	3962	10,484	6260	25,537	36,021	57,551	21,530
Oct	7161	17,645	2420	27,957	45,602	67,301	21,699
Nov	248	17,893	552	28,509	46,402	68,224	21,822
Dec	6351	24,244	8848	37,357	61,601	83,498	21,897

Graph:

Nat Flow Div	Stored Div	Total Div	Spill/Sluice
--------------	------------	-----------	--------------



2021

Kearny Arizona: 101.73 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN			
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1	0.26	0.26		0.27	0.27		0.35	0.35		0.36	0.41	0.41	0.48	0.48		0.48	0.48	0.48	
2	0.26	0.26		0.27	0.27		0.35	0.35		0.36	0.41	0.41	0.48	0.48		0.48	0.48	0.48	
3	0.26	0.26		0.27	0.27		0.35	0.30	0.05	0.36	0.41	0.30	0.11	0.48	0.48		0.48	0.48	0.48
4	0.26	0.26		0.27	0.27		0.35	0.35		0.36	0.41	0.30	0.11	0.48	0.48		0.48	0.48	0.48
5	0.26	0.26		0.28	0.28		0.35	0.35		0.36	0.41	0.30	0.11	0.48	0.30		0.48	0.30	0.18
6	0.26	0.26		0.28	0.28		0.35	0.35		0.36	0.41	0.30	0.11	0.48	0.30		0.48	0.30	0.18
7	0.26	0.26		0.28	0.28		0.35	0.35		0.35	0.41	0.30	0.11	0.48	0.48		0.48	0.48	0.48
8	0.26	0.26		0.28	0.28		0.35	0.30	0.05	0.35	0.41	0.41	0.48	0.48		0.48	0.48	0.48	
9	0.26	0.26		0.28	0.28		0.35	0.35		0.35	0.41	0.41	0.48	0.48		0.48	0.48	0.48	
10	0.26	0.26		0.28	0.28		0.35	0.35		0.35	0.41	0.30	0.11	0.48	0.48		0.48	0.48	0.48
11	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.48	0.48		0.48	0.48	0.48	
12	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.48	0.48		0.48	0.48	0.48	
13	0.26	0.26		0.28			0.28	0.34	0.34	0.35	0.40	0.40	0.48	0.48		0.48	0.48	0.48	
14	0.26	0.26		0.28			0.28	0.34	0.10	0.24	0.35	0.35	0.40	0.48	0.30	0.18		0.18	
15	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.47	0.30	0.17		0.17		
16	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.47	0.30	0.17		0.17		
17	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.47	0.30	0.17		0.17		
18	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.47	0.10	0.37		0.37		
19	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.47	0.30	0.17		0.17		
20	0.26	0.26		0.28	0.28		0.34	0.34		0.35	0.35	0.40	0.40	0.47	0.10	0.37		0.37	
21	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.47	0.10	0.37		0.37		
22	0.26	0.26		0.28	0.28		0.34	0.30	0.04	0.35	0.40	0.40	0.47	0.10	0.37		0.37		
23	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.10	0.37		0.37		
24	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.10	0.37		0.37		
25	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.10	0.37		0.37		
26	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.10	0.37		0.37		
27	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.30	0.17		0.17		
28	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.10	0.37		0.37		
29	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.10	0.37		0.37		
30	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.30	0.17		0.17		
31	0.27	0.27		0.28	0.28		0.34			0.35	0.40	0.40	0.47	0.30	0.17		0.17		
Total	8.1	8.1		7.8	7.2	0.6	10.6	6.6	4.1	10.6	7.0	3.6	12.5	11.0	1.5	14.2	7.5	6.7	
Acre-feet				16			15			21			25					28	
Priority Diverted				16			14			13			14					15	
Apport Diverted							1			8			7					13	
Appor Diverted to date							1			9			16					32	
TBI Acreage				101.73			101.73			101.73			101.73					101.73	
Apportioned				74			61			61			61					61	
Duty				0.16			0.15			0.21			0.21					0.26	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			
	Total	Priority	Apport.	Totals															
1	0.43	0.10	0.33	0.38	0.38		0.34	0.34		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
2	0.43	0.43		0.38	0.38		0.34	0.34		0.35	0.35		0.33	0.33	0.33	0.28	0.28		
3	0.43	0.43		0.38	0.38		0.34	0.34		0.35	0.35		0.33	0.33	0.28	0.28	0.18		
4	0.43	0.43		0.38	0.38		0.34	0.34		0.35	0.35		0.33	0.33	0.28	0.28	0.18		
5	0.43	0.30	0.13	0.38	0.38		0.34	0.34		0.35	0.35		0.33	0.33	0.28	0.28	0.18		
6	0.43	0.43		0.38	0.38		0.34	0.34		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
7	0.43	0.43		0.38	0.38		0.34	0.34		0.35	0.35		0.33	0.33	0.28	0.28	0.18		
8	0.43	0.43		0.38	0.38		0.34	0.34		0.35	0.35		0.33	0.33	0.28	0.28	0.18		
9	0.43	0.43		0.38	0.38		0.34	0.34		0.35	0.35		0.33	0.33	0.28	0.28	0.18		
10	0.43			0.43	0.38		0.34	0.34		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
11	0.42	0.42		0.38	0.38		0.34	0.34		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
12	0.42			0.42	0.38		0.34	0.34		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
13	0.42			0.42	0.38		0.34	0.34		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
14	0.42	0.42		0.37	0.37		0.33	0.33		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
15	0.42	0.42		0.37	0.37		0.33	0.33		0.35	0.35		0.35	0.33	0.33	0.28	0.28		
16	0.42	0.30	0.12	0.37	0.37		0.33	0.30	0.03	0.35	0.35		0.35	0.33	0.33	0.28	0.28		
17	0.42	0.42		0.37	0.37		0.33	0.30	0.03	0.35	0.35		0.35	0.33	0.33	0.28	0.28		
18	0.42	0.42		0.37	0.37		0.33	0.33		0.34	0.34		0.33	0.33	0.28	0.28	0.28		
19	0.42	0.42		0.37	0.37		0.33	0.33	0.10	0.23	0.34	0.34	0.34	0.33	0.33	0.28	0.28		
20	0.42	0.42		0.37	0.37		0.33	0.33	0.10	0.23	0.34	0.34	0.34	0.33	0.33	0.28	0.28		
21	0.42			0.42	0.37		0.33			0.34	0.34		0.34	0.33	0.33	0.28	0.28		
22	0.42	0.30	0.12	0.37	0.37		0.33	0.10		0.34	0.34		0.34	0.33	0.33	0.28	0.28		
23	0.42	0.42		0.37	0.37		0.33			0.34	0.34		0.34	0.33	0.33	0.28	0.28		
24	0.42	0.42		0.37	0.37		0.33			0.34	0.34		0.34	0.33	0.33	0.28	0.28		
25	0.42	0.42		0.37	0.37		0.33			0.34	0.34		0.34	0.33	0.33	0.28	0.28		
26	0.42	0.42		0.37	0.37		0.33			0.34	0.34		0.34	0.33	0.33	0.28	0.28		
27	0.42	0.42		0.37	0.37		0.33			0.34	0.34		0.34	0.33	0.33	0.28	0.28		
28	0.42	0.42		0.37	0.37		0.33			0.34	0.34		0.34	0.33	0.33	0.28	0.28		
29	0.42	0.42		0.37															

2021

SAN CARLOS IRRIGATION PROJECT DIVERSIONS at ASHURST-HAYDEN DAM

Original Decreed 102,090.50 Acres

Mean daily diversions - cubic feet per second

JANUARY

T. B. I. 18,384.78 Acres

2021	Diverted			Natural Flow			Passing Dam		
	Total	Stored	Spill	Total	Stored	Natural Flow	Spill	Sluice	Passing Dam
1	10			10					
2	25			25					
3	25			25					
4	25			25					
5	25			25					
6	25			25					
7	20			20					
8	10			10					
9	10			10					
10	10			10					
11	10			10					
12	10			10					
13	10			10					
14	10			10					
15	10			10					
16	10			10					
17	10			10					
18	10			10					
19	10			10					
20	10			10					
21	10			10					
22	10			10					
23	10			10					
24	10			10					
25	10			10					
26	10			10					
27	10			10					
28	10			10					
29	20			20					
30	10			10					
31	10			10					
Total Ac-Ft To Date Duty	3391 6725 6725 0.26	405 803 803		1001 1985 1985 0.26	170 337 1140				

FEBRUARY

T. B. I. 31,118.29 Acres

2021	Diverted			Natural Flow			Passing Dam		
	Total	Stored	Spill	Total	Stored	Natural Flow	Spill	Sluice	Passing Dam
1	10			10					
2	10			10					
3	10			10					
4	10			10					
5	10			10					
6	10			10					
7	10			10					
8	10			10					
9	10			10					
10	10			10					
11	10			10					
12	10			10					
13	10			10					
14	10			10					
15	10			10					
16	10			10					
17	10			10					
18	10			10					
19	10			10					
20	10			10					
21	10			10					
22	10			10					
23	10			10					
24	10			10					
25	10			10					
26	10			10					
27	10			10					
28	10			10					
29	20			20					
30	10			10					
31	10			10					

MARCH

T. B. I. 31,995.45 Acres

2021	Diverted			Natural Flow			Passing Dam		
	Total	Stored	Spill	Total	Stored	Natural Flow	Spill	Sluice	Passing Dam
1	10			10					
2	10			10					
3	10			10					
4	10			10					
5	10			10					
6	10			10					
7	10			10					
8	10			10					
9	10			10					
10	10			10					
11	10			10					
12	10			10					
13	10			10					
14	10			10					
15	10			10					
16	10			10					
17	10			10					
18	10			10					
19	10			10					
20	10			10					
21	10			10					
22	10			10					
23	10			10					
24	10			10					
25	10			10					
26	10			10					
27	10			10					
28	10			10					
29	20			20					
30	10			10					
31	10			10					

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...

2021

SAN CARLOS IRRIGATION PROJECT DIVERSIONS at ASHURST-HAYDEN DAM

Original Decreed 102,090.50 Acres

Mean daily diversions - cubic feet per second

APRIL

T. B. I. 35,740.79 Acres

MAY

T. B. I. 34,244.09 Acres

JUNE

T. B. I. 35,043.48 Acres

2021	Diverted			Passing Dam			Total	Diverted	Natural Flow	Natural Flow	Diverted	Stored	Spill	Sluice	Passing Dam
	Total	Stored	Natural Flow	Total	Stored	Natural Flow									
1	264	242	22	6	5	5	6	1	3	3	3	3	3	3	3
2	283	255	28	5	5	5	5	2	3	3	3	3	3	3	3
3	284	255	29	6	6	6	6	3	3	3	3	3	3	3	3
4	284	256	28	5	5	5	5	4	3	3	3	3	3	3	3
5	305	253	52	4	4	4	4	5	3	3	3	3	3	3	3
6	309	252	57	4	4	4	4	6	3	3	3	3	3	3	3
7	293	249	44	1	1	1	1	1	3	3	3	3	3	3	3
8	285	249	36	1	1	1	1	2	3	3	3	3	3	3	3
9	258	123	135	0	0	0	0	3	3	3	3	3	3	3	3
10	109	109	109	1	1	1	1	1	3	3	3	3	3	3	3
11	67	67	67	1	1	1	1	2	2	2	2	2	2	2	2
12	50	50	50	0	0	0	0	0	0	0	0	0	0	0	0
13	41	41	41	1	1	1	1	1	1	1	1	1	1	1	1
14	34	34	34	5	5	5	5	5	5	5	5	5	5	5	5
15	29	29	29	3	3	3	3	3	3	3	3	3	3	3	3
16	25	25	25	5	5	5	5	5	5	5	5	5	5	5	5
17	22	22	22	3	3	3	3	4	4	4	4	4	4	4	4
18	20	20	20	1	1	1	1	1	1	1	1	1	1	1	1
19	17	17	17	1	1	1	1	1	1	1	1	1	1	1	1
20	15	15	15	1	1	1	1	1	1	1	1	1	1	1	1
21	15	15	15	3	3	3	3	3	3	3	3	3	3	3	3
22	13	13	13	4	4	4	4	4	4	4	4	4	4	4	4
23	11	11	11	4	4	4	4	4	4	4	4	4	4	4	4
24	10	10	10	4	4	4	4	4	4	4	4	4	4	4	4
25	9	9	9	4	4	4	4	4	4	4	4	4	4	4	4
26	9	9	9	4	4	4	4	4	4	4	4	4	4	4	4
27	9	9	9	4	4	4	4	4	4	4	4	4	4	4	4
28	9	9	9	4	4	4	4	4	4	4	4	4	4	4	4
29	7	7	7	4	4	4	4	4	4	4	4	4	4	4	4
30	6	6	6	4	4	4	4	4	4	4	4	4	4	4	4
31				3	3	3	3	3	3	3	3	3	3	3	3
Total	3092	2134	958	84	84	84	84	32	32	32	32	32	32	32	32
Ac-Ft	6133	4233	1900	166	166	166	166	63	63	63	63	63	63	63	63
To Date	25570	19277	6293	19277	6459	1140	1.39	25799	19277	6522	1.40	25799	19277	6522	1140
Duty	0.81														

Water passing dam estimated by San Carlos Irrigation Project..

2021

SAN CARLOS IRRIGATION PROJECT DIVERSIONS at ASHURST-HAYDEN DAM
Original Decreed 102,090.50 Acres
 Mean daily diversions - cubic feet per second

JULY			
T. B. I. 32,584.94 Acres			

2021	Diverted			Natural Flow			Passing Dam		
	Total	Stored	Spill	Total	Stored	Natural Flow	Diverted	Stored	Passing Dam
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				2403					
Ac-Ft				4766					
To Date	25799	19277	6522	5906					
Duty	1.40								

T. B. I. 32,584.94 Acres

AUGUST			
--------	--	--	--

T. B. I. 32,584.94 Acres

2021	Diverted			Natural Flow			Passing Dam		
	Total	Stored	Spill	Total	Stored	Natural Flow	Diverted	Stored	Passing Dam
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				7502					
Ac-Ft				14880					
To Date	25799	19277	6522	5906					
Duty	1.40								

T. B. I. 32,584.94 Acres

SEPTEMBER			
-----------	--	--	--

T. B. I. 32,584.94 Acres

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

2021

SAN CARLOS IRRIGATION PROJECT DIVERSIONS at ASHURST-HAYDEN DAM
Original Decreed 102,090.50 Acres
 Mean daily diversions - cubic feet per second

OCTOBER
 T. B. I. 27,322.18 Acres

2021	Diverted			Natural Flow			Passing Dam			Diverted			Natural Flow			Passing Dam				
	Total	Stored	Natural Flow	Spilled	Stuicide	Total	Stored	Natural Flow	Spilled	Stuicide	Total	Stored	Natural Flow	Spilled	Stuicide	Total	Stored	Natural Flow	Spilled	Stuicide
1	236		236								181	162	19							
2	247		247								201	201								
3	248		248								260	239	21							
4	246		246								292	250	42							
5	238		238								300	260	40							
6	250		250								311	263	48							
7	230		230								314	247	67							
8	222		222								351	241	110							
9	209		209								317	238	79							
10	165		6	159							317	228	89							
11	159	20	139								297	226	71							
12	156	29	127								271	167	104							
13	155	40	115								215	132	83							
14	156	45	111								228	145	83							
15	158	62	96								231	163	68							
16	195	120	75								228	186	42							
17	219	139	80								228	186	42							
18	222	138	84								228	153	75							
19	222	137	85								229	131	98							
20	223	146	77								229	133	96							
21	224	162	62								219	93	126							
22	224	176	48								177	70	107							
23	178		178								174	74	100							
24	40		40								179	77	102							
25	6		6	33							315	35	280							
26	2		2	18							330	77	253							
27	1		1	12							301	84	217							
28	0		0	8							270		270							
29				8							218		218							
30				4							206		206							
31				2							46	46	38							
Total	4830	1220	3610	85							7663	4461	38							
Ac-Ft	9581	2420	7161	169							15199	8848	75							
To Date	45602	27957	17645	21699							61601	37357	24244							
Duty	2.47										3.35									

OCTOBER
 T. B. I. 27,322.18 Acres

NOVEMBER
 T. B. I. 27,322.18 Acres

DECEMBER
 T. B. I. 27,322.18 Acres

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

DETERMINATION OF PRIORITY WATER

JANUARY 2021

Mean daily discharge - cubic feet per second

SAN CARLOS RESERVOIR

RELEASES STORAGE

Ac-ft change S C Res.

Inflow Minus Outflow

Natural Flow

Stored

Diverted

Natural Flow

Gain/Loss Nat. Flow

Nat. Flow Available to Project

		ASHURST-HAYDEN DAM						DAILY CALL SYSTEM		Version 7.08				
								COMPUTED PRIORITY YEAR						
2021	River Inflow	SAN CARLOS RESERVOIR		Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	JAN	Duncan Virden	Safford	Winkelman	Ashurst- Hayden
		RELEASES	STORAGE											
DEC 31	5	5	5	1	10				10	15	1	1907	1924	1883
JAN 1	5	5	5	21	2	25			25	30	2	1924	1907	1845
2	6	6	6	3	25				25	31	3	"	1924	1924
3	6	6	6	-21	4	25			25	31	4	"	"	1907
4	6	6	6	5	25				25	31	5	"	"	1924
5	7	7	7	21	6	25			25	32	6	"	"	"
6	7	7	7	7	20	20			20	20	7	"	"	"
7	6	6	6	20	8				10	16	8	"	"	"
8	6	6	6	21	9	10			10	16	9	"	"	"
9	6	6	6	-21	10	10			10	16	10	"	"	"
10	6	6	6	6	11	10			10	16	11	"	"	"
11	7	7	7	-41	12	10			10	17	12	"	"	"
12	9	9	9	41	13	10			10	19	13	"	"	"
13	10	10	10	-103	14	10			10	20	14	"	"	"
14	12	12	12	83	15	10			10	22	15	"	"	"
15	14	14	14	103	16	10			10	24	16	1929	"	"
16	16	16	16	17	10				10	26	17	"	1929	"
17	18	18	18	-206	18	10			10	28	18	1924	"	"
18	19	19	19	62	19	10			10	29	19	"	1924	1929
19	20	20	20	-469	20	10			10	30	20	"	"	"
20	21	21	21	530	21	10			10	31	21	"	"	1924
21	22	22	22	10					10	32	22	"	"	"
22	23	23	23	10					10	33	23	"	"	"
23	23	23	23	-20	24	10			10	33	24	"	"	"
24	25	25	25	20	25	10			10	35	25	"	"	"
25	27	27	27	103	26	10			10	37	26	1929	"	"
26	29	29	29	-41	27	10			10	39	27	1924	1929	"
27	31	31	31	28	10				10	41	28	1929	1924	"
28	33	33	33	29	10				10	43	29	1924	1929	1929
29	36	36	36	31	30	20			20	56	30	"	1924	1924
30	38	38	38	31	31	10			10	48	31	"	1929	1929
31	39	39	39	41										

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

FEBRUARY 2021

Mean daily discharge - cubic feet per second

		SAN CARLOS RESERVOIR			ASHURST-HAYDEN DAM			DAILY CALL SYSTEM			VERSION 7.08							
		RELEASES		STORAGE				COMPUTED PRIORITY YEAR										
2021	River Inflow	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	FEB	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	FEB	Duncan Virden	Safford	Winkelman	Ashurst-Hayden	
JAN 31	39	1	41	39	44	2	10	10	10	10	49	10	49	1	1924	1924	1924	
FEB 1	44				46	62	10	10	10	10	54	2	"	"	"	"	"	
2	46				47	-103	4	10	10	10	56	3	"	"	"	"	"	
3	47				47	5	10	10	10	10	57	4	"	"	"	"	"	
4	47				48	6	10	10	10	10	57	5	"	"	"	"	"	
5	48										58	6	1929	"	"	"	"	
6	49	49	7	10						10	59	7	"	1929	"	"	"	
7	50	22	8	10						10	60	8	"	"	"	"	"	
8	52	31	41	9						10	63	9	9	1921	"	1929	1929	
9	53	53	83	-83						3	-8.8	-43	10	10	1921	"	"	"
10	51	51	160	-160						91.9	-41	10	11	"	"	"	"	"
11	53	53	158	-158						139	24	-24	29	12	1894	"	1921	1921
12	54	54	157	-157						138	34	-15	39	13	1915	1894	Immem	Immem
13	55	55	156	-156						137	41	-9	46	14	"	1915	"	"
14	56	56	155	-155						136	43	-8	48	15	"	1894	1894	1894
15	57	57	154	-154						136	45	-7	50	16	"	1915	1915	1915
16	59	59	151	-151						133	51	-3	56	17	"	"	"	"
17	61	61	149	-149						131	55	-1	60	18	1921	"	"	"
18	62	62	148	-148						130	58	1	63	19	"	1921	"	"
19	64	64	140	-140						123	60	1	65	20	1915	"	"	"
20	66	66	162	-162						143	63	2	68	21	1893	1915	1921	1921
21	68	68	160	-160						141	70	7	75	22	1915	"	"	"
22	70	70	150	-150						132	79	14	84	23	"	1915	1915	1915
23	71	71	143	-143						126	78	7	78	24	1884	"	1893	1893
24	71	71	150	-150						132	68	-3	68	25	1895	1884	1915	1915
25	70	70	156	-156						137	74	4	74	26	1884	1895	"	"
26	71	71	154	-154						136	79	8	79	27	1915	1884	1884	1884
27	73	73	164	-164						220	144	3	76	28	1883	1915	1895	1895
28	74	74	193	-193														

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

12% transit loss on daily Stored releases...

		DAILY CALL SYSTEM			VERSION 7.08	
		COMPUTED PRIORITY YEAR				
2021	River Inflow	Total	Natural Flow	Stored	Diverted	Stored
JAN 31	39	1	41	10	10	10
FEB 1	44	2	46	10	10	10
2	46	3	47	10	10	10
3	47	4	47	10	10	10
4	47	5	48	10	10	10
5	48					
6	49					
7	50					
8	52					
9	53					
10	51					
11	53					
12	54					
13	55					
14	56					
15	57					
16	59					
17	61					
18	62					
19	64					
20	66					
21	68					
22	70					
23	71					
24	71					
25	70					
26	71					
27	73					
28	74					

DETERMINATION OF PRIORITY WATER

MARCH 2021

Mean daily discharge - cubic feet per second

2021	River Inflow	SAN CARLOS RESERVOIR		STORAGE		ASHURST-HAYDEN DAM						DAILY CALL SYSTEM COMPUTED PRIORITY YEAR		VERSION 7.08			
		Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	MAR	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	MAR	Duncan Virden	Safford	Winkelman	Ashurst-Hayden
FEB 29	74	267	74	193	-493	1	239	170	69	69	-5	69	1	Immem	1883	1884	1884
MAR 1	73	219	73	146	-146	-533	2	243	128	115	42	115	2	1885	Immem	1915	1915
2	64	162	64	98	-98	-429	3	171	86	85	21	85	3	1890	1885	1883	1883
3	40	198	40	158	-158	-469	4	179	139	40	40	40	4	1889	1890	Immem	Immem
4	31	216	31	185	-185	-186	5	207	163	44	13	44	5	1882	1889	1885	1885
5	27	213	27	186	-186	-275	6	205	164	41	14	41	6	1884	1882	1890	1890
6	25	213	25	188	-188	-197	7	205	165	40	15	40	7	1885	1884	1889	1889
7	25	214	25	189	-189	-376	8	205	166	39	14	39	8	1883	1885	1882	1882
8	24	214	24	190	-190	-325	9	204	167	37	13	37	9	1881	1883	1884	1884
9	23	190	23	167	-167	-161	10	198	147	51	28	51	10	1876	1881	1885	1885
10	22	172	22	150	-150	-204	11	172	132	40	18	40	11	1879	1876	1883	1883
11	21	166	21	145	-145	-201	12	168	128	40	19	40	12	1881	1879	1881	1881
12	20	164	20	144	-144	-371	13	164	127	37	17	37	13	1883	1881	1876	1876
13	20	166	20	146	-146	-140	14	164	128	36	16	36	14	1881	1883	1879	1879
14	23	166	23	143	-143	-210	15	161	126	35	12	35	15	1882	1881	1881	1881
15	28	167	28	139	-139	-221	16	160	122	38	10	38	16	1881	1882	1883	1883
16	30	168	30	138	-138	-191	17	160	121	39	9	39	17	1884	1881	1881	1881
17	30	168	30	138	-138	-28	18	158	121	37	7	37	18	1882	1884	1882	1882
18	31	182	31	151	-151	-149	19	161	133	28	-3	28	19	1883	1883	1881	1881
19	28	212	28	184	-184	-308	20	178	162	16	-12	16	20	1873	1883	1884	1884
20	28	227	28	199	-199	-238	21	200	175	25	-3	25	21	1874	1873	1882	1882
21	27	251	27	224	-224	-633	22	210	197	13	-14	13	22	Immem	1874	1883	1883
22	26	275	26	249	-249	-340	23	233	219	14	-12	14	23	1872	Immem	1873	1873
23	26	290	26	264	-264	-370	24	257	232	25	-1	25	24	1876	1872	1874	1874
24	30	290	30	260	-260	-358	25	261	229	32	2	32	25	1878	1876	Immem	Immem
25	33	289	33	256	-256	-348	26	259	225	34	1	34	26	1879	1878	1872	1872
26	34	289	34	255	-255	-282	27	259	224	35	1	35	27	1877	1879	1876	1876
27	32	288	32	256	-256	-275	28	257	225	32	28	32	28	1879	1877	1878	1878
28	32	287	32	255	-255	-319	29	256	224	32	29	32	29	1875	1879	1879	1879
29	30	286	30	256	-256	-519	30	257	225	32	2	32	30	1879	1875	1877	1877
30	29	285	29	256	-256	-366	31	258	225	33	4	33	31	1868	1879	1879	1879
31	29	304	29	275	-275	-205											

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

12% transit loss on daily Stored releases...

		DAILY CALL SYSTEM COMPUTED PRIORITY YEAR		VERSION 7.08	
		Duncan	Virden	1	Immem
		Winkelman		1884	1884
		Ashurst-Hayden		1890	1890

DETERMINATION OF PRIORITY WATER

APRIL 2021

Mean daily discharge - cubic feet per second

	2021	SAN CARLOS RESERVOIR						ASHURST-HAYDEN DAM						DAILY CALL SYSTEM			COMPUTED PRIORITY YEAR			VERSION 7.08					
		RELEASES			STORAGE			Sluiced and/or Spilled			Natural Flow			Nat. Flow Available to Project			Duncan Virden			Safford Winkelman			Ashurst-Hayden		
		River Inflow	Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	APR	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	22	-7	22	1	1875	1868	1868	1875	1875	1879	1868	1868	1875	
MAR	31	29	304	29	275	-275	1	264	242	22	-7	22	1	28	2	1868	1875	1875	1875	1875	1879	1868	1868	1875	
APR	1	29	319	29	290	-154	2	283	255	28	-1	28	2	28	2	1868	1875	1875	1875	1875	1879	1868	1868	1875	
2	27	317	27	290	-820	3	284	255	29	2	29	3	29	3	1873	1868	1868	1868	1868	1868	1868	1868	1868	1875	
3	24	315	24	291	-396	4	284	256	28	4	28	4	28	4	1873	1873	1873	1873	1873	1875	1875	1875	1875	1875	
4	24	312	24	288	-288	-479	5	305	253	52	28	52	5	1876	1876	1876	1876	1876	1876	1876	1876	1876	1876		
5	24	310	24	286	-286	-635	6	309	252	57	33	57	6	1873	1876	1876	1873	1873	1873	1873	1873	1873	1873		
6	24	307	24	283	-721	7	293	249	44	20	44	7	1873	1873	1873	1873	1873	1873	1873	1873	1873	1873	1873		
7	20	303	20	283	-395	8	285	249	36	16	36	8	1873	1873	1873	1873	1873	1873	1873	1873	1873	1873	1873		
8	18	158	18	140	-140	-317	9	258	123	135	117	135	9	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	
9	18	18	18	11	-7	10	109	109	109	109	109	10	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894		
10	18	18	18	11	67	67	67	67	67	67	67	85	11	1903	1894	1894	1894	1894	1894	1894	1894	1894	1894	1894	
11	18	18	18	13	13	41	41	41	41	41	41	59	13	1893	1893	1893	1893	1893	1893	1893	1893	1893	1893	1893	
12	18	18	18	13	13	34	34	34	34	34	34	52	14	1893	1893	1893	1893	1893	1893	1893	1893	1893	1893	1893	
13	18	18	18	14	14	29	29	29	29	29	29	46	15	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	
14	17	17	17	8	15	29	29	29	29	29	29	46	15	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	1891	
15	16	16	16	-6	16	25	25	25	25	25	25	41	16	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	
16	17	17	17	-5	17	22	22	22	22	22	22	39	17	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	1890	
17	20	20	1	18	20	20	20	20	20	20	20	40	20	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	
18	18	18	18	28	19	17	17	17	17	17	17	35	19	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	1888	
19	17	17	17	1	20	15	15	15	15	15	15	32	20	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	
20	18	18	18	1	21	15	15	15	15	15	15	33	21	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	
21	18	18	-30	22	13	13	13	13	13	13	13	31	22	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	
22	18	18	18	-23	11	11	11	11	11	11	11	29	23	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	
23	16	16	16	24	10	10	10	10	10	10	10	26	24	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	
24	15	15	15	3	25	9	9	9	9	9	9	24	25	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	
25	15	15	15	26	9	9	9	9	9	9	9	24	26	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	1885	
26	14	14	-16	27	9	9	9	9	9	9	9	23	27	1883	1883	1883	1883	1883	1883	1883	1883	1883	1883	1883	
27	15	15	-2	28	9	9	9	9	9	9	9	24	28	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	1884	
28	15	15	16	29	7	7	7	7	7	7	7	22	29	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	1887	
29	16	16	16	2	30	6	6	6	6	6	6	22	30	1883	1883	1883	1883	1883	1883	1883	1883	1883	1883	1883	
30	15	15	15	2	15	6	6	6	6	6	6	22													

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

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

DETERMINATION OF PRIORITY WATER

MAY 2021

Mean daily discharge - cubic feet per second

2021	River Inflow	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				COMPUTED PRIORITY YEAR				VERSION 7.08					
		RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		Gain/Loss Nat. Flow		Nat. Flow Available to Project		MAY		Duncan Virden		Safford Winkelman		Ashurst-Hayden			
		Total	Natural Flow	Inflow Minus Outflow	Ac-ft SC Res.	MAY	Diverted	Stored	Natural Flow	MAY	6	6	21	1	1883	1883	1884	1884	1887	1887	1883	1883	
APR 30	15	15	15	0	2	1	1	6	6	5	5	5	21	1	1883	1883	1884	1884	1887	1887	"	"	
MAY 1	16	16	16	2	2	5	5	5	5	5	5	5	21	1	1883	1883	1884	1884	1887	1887	"	"	
2	14	14	14	-27	3	6	6	6	6	6	6	6	20	3	"	"	"	"	"	"	"	"	
3	14	14	14	25	4	5	5	5	5	5	5	5	19	4	"	"	"	"	"	"	"	"	
4	14	14	14	5	5	4	4	4	4	4	4	4	18	5	1885	"	"	"	"	"	"	"	
5	14	14	14	-5	6	4	4	4	4	4	4	4	18	6	1887	1887	1888	1888	1883	1883	"	"	
6	12	12	12	5	7	1	1	1	1	1	1	1	13	7	1883	1883	1884	1884	1885	1885	"	"	
7	12	12	12	-19	8	1	1	1	1	1	1	1	13	8	1884	1883	1883	1883	1887	1887	"	"	
8	12	12	12	15	9	0	0	0	0	0	0	0	12	9	1924	1884	1884	1884	1887	1887	"	"	
9	13	13	13	-1	10	1	1	1	1	1	1	1	14	10	"	1924	1883	1883	1883	1883	1883	"	"
10	12	12	12	-27	11	1	1	1	1	1	1	1	13	11	Immem	"	1884	1884	1884	1884	1884	"	"
11	13	13	13	12	12	0	0	0	0	0	0	0	13	12	"	1924	1924	1924	1924	1924	1924	"	"
12	13	13	13	3	13	1	1	1	1	1	1	1	14	13	1924	1924	1924	1924	1924	1924	"	"	
13	11	11	11	14	14	5	5	5	5	5	5	5	16	14	"	1924	1924	1924	1924	1924	1924	"	"
14	11	11	11	21	15	3	3	3	3	3	3	3	14	15	"	1924	1924	1924	1924	1924	1924	"	"
15	11	11	11	-23	16	5	5	5	5	5	5	5	16	16	"	1924	1924	1924	1924	1924	1924	"	"
16	11	11	11	17	17	3	3	3	3	3	3	3	14	17	"	1924	1924	1924	1924	1924	1924	"	"
17	11	11	11	8	18	1	1	1	1	1	1	1	12	18	"	1924	1924	1924	1924	1924	1924	"	"
18	11	11	11	-7	19	1	1	1	1	1	1	1	12	19	"	1924	1924	1924	1924	1924	1924	"	"
19	10	10	10	13	20	1	1	1	1	1	1	1	11	20	"	1924	1924	1924	1924	1924	1924	"	"
20	10	10	10	-10	21	1	1	1	1	1	1	1	10	21	"	1924	1924	1924	1924	1924	1924	"	"
21	9	9	9	22	22	3	3	3	3	3	3	3	9	22	"	1924	1924	1924	1924	1924	1924	"	"
22	9	9	9	1	23	3	3	3	3	3	3	3	9	23	"	1924	1924	1924	1924	1924	1924	"	"
23	9	9	9	-1	24	3	4	4	4	4	4	4	12	24	"	1924	1924	1924	1924	1924	1924	"	"
24	9	9	9	9	25	4	4	4	4	4	4	4	13	25	"	1924	1924	1924	1924	1924	1924	"	"
25	9	9	9	9	26	4	4	4	4	4	4	4	13	26	"	1924	1924	1924	1924	1924	1924	"	"
26	10	10	10	27	4	4	4	4	4	4	4	4	14	27	"	1924	1924	1924	1924	1924	1924	"	"
27	9	9	9	-4	28	4	4	4	4	4	4	4	13	28	"	1924	1924	1924	1924	1924	1924	"	"
28	9	9	9	2	29	4	4	4	4	4	4	4	13	29	1874	"	"	"	"	"	"	"	"
29	10	10	10	1	30	4	4	4	4	4	4	4	14	30	1924	1874	"	"	"	"	"	"	"
30	10	10	10	-1	31	3	3	3	3	3	3	3	13	31	"	1924	1924	1924	1924	1924	1924	"	"
31	10	10	10	10	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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

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

DETERMINATION OF PRIORITY WATER

JUNE 2021

Mean daily discharge - cubic feet per second

2021	SAN CARLOS RESERVOIR			ASHURST-HAYDEN DAM			DAILY CALL SYSTEM			VERSION 7.08							
	River Inflow	Total	Natural Flow	Inflow Minus Outflow	Ac-ft change SC Res.	JUN	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	JUN	Duncan Virden	Safford	Winkelman	Ashurst-Hayden
MAY 31	10	10	10	0	10	1	3	3	3	3	3	3	13	1	1884	1924	1874
JUN 1	10	10	10	0	10	2	3	3	3	3	3	3	13	2	1883	1884	1924
2	10	10	10	0	10	3	3	3	3	3	3	3	13	3	1881	1883	"
3	9	9	9	0	9	4	3	3	3	3	3	3	12	4	1874	1881	1884
4	8	8	8	0	8	5	3	3	3	3	3	3	11	5	"	1874	1883
5	8	8	8	0	8	6	3	3	3	3	3	3	11	6	1924	"	1881
6	8	8	8	0	8	7	3	3	3	3	3	3	11	7	"	1924	1874
7	8	8	8	0	8	8	3	3	3	3	3	3	11	8	"	"	"
8	7	7	7	0	7	9	3	3	3	3	3	3	10	9	1884	"	1924
9	7	7	7	0	7	10	3	3	3	3	3	3	10	10	"	1884	"
10	7	7	7	0	7	11	2	2	2	2	2	2	9	11	1882	"	"
11	7	7	7	0	7	12							7	12	"	1882	1884
12	6	6	6	0	6	13							6	13	1881	"	"
13	6	6	6	0	6	14							6	14	1882	1881	1882
14	6	6	6	0	6	15							6	15	1879	1882	"
15	5	5	5	0	5	16							5	16	1883	1879	1881
16	5	5	5	0	5	17							5	17	1878	1883	1882
17	4	4	4	0	4	18							4	18	1877	1878	1881
18	4	4	4	0	4	19							4	19	"	1877	1883
19	4	4	4	0	4	20							4	20	1879	1878	1878
20	4	4	4	0	4	21							4	21	1877	1879	1877
21	4	4	4	0	4	22							4	22	1878	1877	"
22	4	4	4	0	4	23							4	23	"	1878	1879
23	4	4	4	0	4	24							4	24	1883	"	1877
24	5	5	5	0	5	25							5	25	1877	1883	1878
25	5	5	5	0	5	26							5	26	1878	1877	"
26	5	5	5	0	5	27							5	27	1881	1878	1883
27	5	5	5	0	5	28							5	28	1879	1881	1877
28	4	4	4	0	4	29							4	29	1877	1879	1878
29	3	3	3	0	3	30							3	30	1924	1877	1881
30	4	4	4	0	4												

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

JULY 2021

Mean daily discharge - cubic feet per second

SAN CARLOS RESERVOIR		STORAGE		ASHURST-HAYDEN DAM			
River Inflow	Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	Diverted	Stored	Natural Flow
2021							

	JUN	30	4	5	2	4	1	DAILY CALL SYSTEM		VERSION 7.08	
								COMPUTED PRIORITY YEAR			
	JUL	1	5	4	3	5	2	4	1	1924	1879
	2	4	4	4	3	4	3	5	2	1881	1887
	3	5	5	5	4	5	4	5	3	1924	1924
	4	22	22	22	22	5	4	5	4	1924	1924
	5	11	11	11	11	6	6	22	5	"	1881
	6	3	3	3	3	7	6	11	6	"	1897
	7	4	4	4	4	8	7	7	7	"	1897
	8	5	5	5	5	9	8	4	8	1911	"
	9	5	5	5	5	10	9	5	9	1873	"
	10	5	5	5	5	11	10	5	10	1875	"
	11	12	12	12	12	12	12	12	12	1924	1924
	12	5	5	5	5	13	13	5	13	1882	1924
	13	75	75	75	75	14	14	75	14	1888	1884
	14	223	223	223	223	15	15	223	15	1884	1924
	15	8	17	8	9	-9	-40	16	-8	16	1882
	16	159	13	13	146	17	78	65	224	"	1924
	17	162	17	162	18	105	105	105	17	"	1888
	18	90	90	90	90	19	10	10	18	1883	1884
	19	252	252	252	252	20	135	135	387	20	1924
	20	164	82	82	82	21	75	7	157	21	1903
	21	126	29	29	97	22	560	531	657	22	1924
	22	120	120	120	1920	23	305	305	425	23	1924
	23	882	882	882	1922	24	425	425	1307	24	1924
	24	1332	1332	1332	1884	25	325	325	1657	25	1924
	25	1394	1394	1394	2283	26	150	150	1544	26	1924
	26	1605	1605	1605	2755	27	105	105	1710	27	"
	27	1247	1247	1247	-5071	28	85	85	1332	28	"
	28	608	608	608	813	29	15	15	623	29	"
	29	520	520	520	818	30	15	15	535	30	"
	30	299	299	299	567	31	15	15	314	31	"
	31	479	479	479	479	158					

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

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

DETERMINATION OF PRIORITY WATER

AUGUST 2021

Mean daily discharge - cubic feet per second

2021	River Inflow	SAN CARLOS RESERVOIR RELEASES		STORAGE		ASHURST-HAYDEN DAM				Nat. Flow Available to Project	DUNCAN VIRDEN AUG	1924	1924	VERSION 7.08 COMPUTED PRIORITY YEAR
		Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	Sluiced and/or Spilled	Diverted	Stored	Natural Flow					
JUL 31	479	479	479	479	158	1	31	2	2	510	1	1924	1924	Ashurst-Hayden
AUG 1	535	535	535	481	2				2	537	2	"	"	"
2	300	300	300	314	3				300	3		"	"	"
3	387	387	387	542	4				387	4		"	"	"
4	238	238	238	527	5				238	5		"	"	"
5	206	206	206	276	6				206	6		"	"	"
6	141	141	141	-44	7				141	7		1924	1899	1924
7	112	112	112	249	8				112	8	"	1924	"	"
8	84	84	84	-1036	9				84	9		1896	"	1899
9	73	73	73	918	10	98			98	171	10	1924	1896	1924
10	121	121	121	250	11	741			741	862	11	"	1924	"
11	589	589	589	149	12	356			356	945	12	"	"	1896
12	409	409	409	602	13	31			31	440	13	"	"	1924
13	296	296	296	523	14	283			283	579	14	"	"	"
14	481	481	481	565	15	824			824	1305	15	"	"	"
15	1434	1434	1434	739	16	847			847	2281	16	"	"	1896
16	701	701	701	1144	17	487			487	1188	17	"	"	1924
17	801	801	801	1215	18	1049			1049	1850	18	"	"	"
18	2360	2360	2360	2639	19	1794			1794	4154	19	"	"	"
19	1953	1953	1953	1166	20	674			-113	1840	20	"	"	"
20	916	916	916	749	167	1921	21	104	-645	271	21	"	"	"
21	504	504	504	100	100	404	693	22	41	-59	445	22	"	"
22	310	310	310	585	23	27			27	337	23	"	"	"
23	190	190	190	379	24	20			20	210	24	"	"	"
24	158	158	158	215	25	15			15	173	25	"	"	"
25	631	631	631	625	26	13			13	644	26	"	"	"
26	205	205	205	340	27	10			10	215	27	"	"	"
27	154	154	154	24	28	9			9	163	28	"	"	"
28	143	143	143	244	29	14			14	157	29	"	"	"
29	291	291	291	-171	30	6			6	297	30	"	"	"
30	297	297	297	862	31	26			26	323	31	"	"	"
31	31	31	31	521	124									

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

12% transit loss on daily Stored releases...

		DAILY CALL SYSTEM				VERSION 7.08	
		COMPUTED PRIORITY YEAR					
		Duncan	Virden	Safford	Winkelman	August	1924
		1924	"	"	"	"	"
		537	2	300	3	"	"
		300	3	387	4	"	"
		387	4	238	5	"	"
		238	5	206	6	"	"
		206	6	141	7	"	"
		141	7	112	8	"	"
		112	8	84	9	"	"
		84	9	98	10	"	"
		98	10	171	10	"	"
		171	10	1924	"	"	"
		1924	"	"	"	"	"

DETERMINATION OF PRIORITY WATER

SEPTEMBER 2021

Mean daily discharge - cubic feet per second

SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM			
RELEASES		STORAGE		AC-FF CHANGE S.C. RES.		SLICED AND/OR SPILLED	
2021	River Inflow	Total Natural Flow	Natural Flow Stored	Inflow Minus Outflow	SEP	Diverted	Stored
AUG 31	521	521	521	124	1	20	20
SEP 1	1223	1223	1223	1926	2	100	100
2	1869	1869	1869	1385	3	40	40
3	2322	2322	2322	2786	4	30	30
4	2036	2036	2036	2481	5	20	20
5	1019	1019	1019	1922	6	10	10
6	1084	1084	1084	1251	7	10	10
7	957	200	200	757	8	5	31
8	681	200	200	481	9	10	98
9	314	300	300	14	31	10	102
10	204	200	200	4	153	11	102
11	155	200	155	45	-45	-276	117
12	125	197	125	72	-72	-153	13
13	106	215	106	109	-109	-488	14
14	94	214	94	120	-120	-333	15
15	91	291	91	200	-200	-633	16
16	77	349	77	272	-272	-567	17
17	69	350	69	281	-281	-741	18
18	66	348	66	282	-282	-848	19
19	60	347	60	287	-287	-291	20
20	56	298	56	242	-242	-289	21
21	55	275	55	220	-220	-1088	22
22	52	275	52	223	-223	-283	23
23	51	276	51	225	-225	-732	24
24	50	283	50	233	-233	-362	25
25	55	284	55	229	-229	-829	26
26	84	278	84	194	-194	-329	27
27	99	273	99	174	-174	-272	28
28	157	259	157	102	-102	-542	29
29	161	236	161	75	-75	-107	30
30	387	237	237	150	-349		

DAILY CALL SYSTEM COMPUTED PRIORITY YEAR				VERSION 7.08			
				Nat. Flow Available to Project	SEP	Duncan Virden	Safford Winkelman
				20	541	1	1924
						1323	2
						1909	3
						2352	4
						2056	5
						1029	6
						1094	7
						762	8
						512	9
						112	10
						1898	"
						1900	1898
						106	"
						198	"
						10	"
						109	"
						7	"
						77	"
						12	1888
						94	13
						1830	1888
						88	14
						1881	1880
						81	15
						1884	1881
						15	1888
						52	16
						1877	1884
						16	1880
						17	1873
						51	18
						1873	1873
						67	19
						1877	1877
						20	Immem
						129	21
						1877	Immem
						21	1873
						22	1875
						74	1877
						23	Immem
						24	1875
						76	Immem
						25	Immem
						19	Immem
						69	Immem
						26	Immem
						1924	Immem
						27	1924
						128	"
						29	"
						183	"
						26	"
						221	"
						30	"
						221	"
						60	"
						287	"
						66	"
						150	"
						-349	"

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

12% transit loss on daily stored releases...

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

"

DETERMINATION OF PRIORITY WATER

OCTOBER 2021

Mean daily discharge - cubic feet per second

SAN CARLOS RESERVOIR			ASHURST-HAYDEN DAM		
RELEASES		STORAGE	Ac-ft change S.C. Res.	Sliced and/or Spilled	Natural Flow
2021	River Inflow	Natural Flow	Inflow Minus Outflow	Diverted	Stored
SEP 30	387	237	150	-349	236
OCT 1	539	245	294	-27	247
2	576	249	327	618	248
3	315	243	72	81	246
4	243	221	22	-27	238
5	306	197	109	380	6
6	277	196	81	300	7
7	361	196	165	-109	8
8	211	187	24	-28	9
9	160	167	160	7	10
10	142	165	142	-23	-82
11	131	164	131	-33	-136
12	117	163	117	46	-1796
13	104	155	104	51	1335
14	103	173	103	70	-70
15	98	234	98	-136	-7939
16	98	256	98	158	-158
17	96	253	96	157	-157
18	92	248	92	156	-156
19	81	247	81	166	-166
20	62	246	62	184	-184
21	53	253	53	200	-618
22	50	50	16	34	-77
23	50	52	50	26	24
24	52	51	52	25	33
25	51	51	-1239	26	18
26	52	52	1163	27	12
27	50	50	25	28	8
28	49	49	26	29	8
29	50	50	102	30	4
30	54	54	31	2	2
31	68	68	68	26	68

DAILY CALL SYSTEM COMPUTED PRIORITY YEAR			VERSION 7.08		
			OCT	Duncan Virden	Safford Winkelman
Ashurst-Hayden					
Immem			1	1924	1924
"			2	541	1924
"			3	575	"
"			4	1924	"
"			5	"	"
"			6	359	Immem
"			7	311	1924
"			8	387	"
"			9	233	"
"			10	159	Immem
"			11	139	Immem
"			12	127	1924
"			13	115	"
"			14	111	"
"			15	96	1924
"			16	75	1924
"			17	17	1924
"			18	84	"
"			19	1832	1924
"			20	1873	1924
"			21	1873	1924
"			22	1884	1924
"			23	1924	1924
"			24	40	1924
"			25	91	1924
"			26	71	1924
"			27	56	1924
"			28	58	"
"			29	57	"
"			30	54	"
"			31	31	"

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

NOVEMBER 2021

Mean daily discharge - cubic feet per second

2021	SAN CARLOS RESERVOIR			ASHURST-HAYDEN DAM			DAILY CALL SYSTEM			VERSION 7.08		
	RELEASES		STORAGE				COMPUTED PRIORITY YEAR					
	River Inflow	Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	NOV	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project
OCT 31	68	68	68	26	1							
NOV 1	69	69	69	180	2							
2	70	70	70	-52	3							
3	70	70	70	103	4							
4	70	70	70	77	5							
5	70	70	70	130	6							
6	72	72	72	77	7							
7	73	73	73	78	8							
8	74	74	74	156	9							
9	71	71	71	26	10							
10	71	71	71	-156	11							
11	71	71	71	-568	12							
12	72	72	72	984	13							
13	72	72	72	131	14							
14	74	74	74	26	15							
15	75	75	75	184	16							
16	78	78	78	158	17							
17	81	81	81	26	18							
18	79	79	79	106	19							
19	70	70	70	158	20							
20	70	13	13	57	186	21						
21	75	18	18	58	-318	22						
22	75	75	75	424	23							
23	72	72	72	187	24							
24	74	74	74	134	25							
25	79	79	79	-480	26							
26	79	113	79	34	-34							
27	77	203	77	126	-126							
28	82	207	82	125	-125							
29	94	209	94	115	-115							
30	82	266	82	184	-184							

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

12% transit loss on daily Stored releases...

	DAILY CALL SYSTEM			VERSION 7.08		
	COMPUTED PRIORITY YEAR					
	Duncan Virden	Safford	Winkelman	Ashurst-Hayden	Ashurst-Hayden	Ashurst-Hayden
NOV	1	1924	1924	1924	1924	1924
	68	69	69	69	69	69
		2	"	"	"	"
		3	"	"	"	"
		4	"	"	"	"
		5	"	"	"	"
		6	"	"	"	"
		70	70	70	70	70
		7	"	"	"	"
		8	"	"	"	"
		9	"	"	"	"
		10	"	"	"	"
		11	"	"	"	"
		12	"	"	"	"
		13	"	"	"	"
		14	"	"	"	"
		15	"	"	"	"
		16	"	"	"	"
		17	"	"	"	"
		18	"	"	"	"
		19	"	"	"	"
		20	"	"	"	"
		21	"	"	"	"
		22	"	"	"	"
		23	"	"	"	"
		24	"	"	"	"
		25	"	"	"	"
		26	"	"	"	"
		27	"	"	"	"
		28	"	"	"	"
		29	"	"	"	"
		30	"	"	"	"

DETERMINATION OF PRIORITY WATER

DECEMBER 2021

Mean daily discharge - cubic feet per second

SAN CARLOS RESERVOIR RELEASES			STORAGE			ASHURST-HAYDEN DAM					
2021	River Inflow	Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	Sliced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project
NOV 30	82	266	82	184	-184	-340	1	181	162	19	-63
DEC 1	47	290	47	243	-243	-364	2	201	201	-47	19
2	43	315	43	272	-272	-567	3	260	239	-22	21
3	43	327	43	284	-284	-637	4	292	250	-1	42
4	43	339	43	296	-296	-630	5	300	260	-3	40
5	44	343	44	299	-299	-598	6	311	263	4	48
6	48	329	48	281	-281	-591	7	314	247	67	7
7	50	324	50	274	-274	-511	8	351	241	110	60
8	48	319	48	271	-271	-721	9	317	238	79	31
9	49	308	49	259	-259	-1640	10	317	228	89	40
10	47	304	47	257	-257	-765	11	297	226	71	24
11	45	235	45	190	-190	-1268	12	271	167	104	59
12	42	192	42	150	-150	-849	13	215	132	41	41
13	42	207	42	165	-165	-1098	14	228	145	83	41
14	41	226	41	185	-185	-340	15	231	163	68	27
15	39	250	39	211	-211	-363	16	228	186	42	3
16	47	258	47	211	-211	-382	17	228	186	42	-5
17	51	225	51	174	-174	-466	18	228	153	75	24
18	59	208	59	149	-149	-482	19	229	131	98	39
19	57	208	57	151	-151	-669	20	229	133	96	39
20	64	170	64	106	-106	-320	21	219	93	126	62
21	64	143	64	79	-79	107	22	177	70	107	43
22	64	148	64	84	-84	-212	23	174	74	100	36
23	62	149	62	87	-87	-316	24	179	77	102	40
24	159	199	159	40	-40	-42	25	315	35	280	25
25	139	227	139	88	-88	-188	26	330	77	253	114
26	153	248	153	95	-95	-187	27	301	84	217	64
27	197	192	192	5	-758	28	270	270	78	275	28
28	173	155	155	18	-162	29	218	218	63	236	29
29	167	51	51	116	920	30	206	206	155	322	30
30	164	222	164	164	291	31	38	46	46	248	31
31	222				-518						

DAILY CALL SYSTEM COMPUTED PRIORITY YEAR						VERISON 7.08					
ASHURST-HAYDEN			IMMEN			WINKELMAN			ASHURST-HAYDEN		
Duncan	Virden	DEC	Duncan	Virden	DEC	Duncan	Virden	DEC	Duncan	Virden	DEC
1879	1884	19	1879	1878	2	1878	1879	21	1878	1884	"
1884	1884	"	1884	1886	8	1886	1886	1901	1884	1884	"
1886	1886	"	1886	1885	13	1885	1885	1890	1889	1889	"
1886	1886	"	1887	1887	11	1887	1887	1890	1889	1889	1901

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

12% transit loss on daily Stored releases...

RELATIVE DIVERSION RIGHT BASED ON DIVERSION RIGHT
OF ONE CUBIC FOOT PER SECOND FOR EACH EIGHTY ACRES

THEN BEING IRRIGATED

Year of Prior.	Duncan Valley		Safford Valley		Total Upper Valleys		San Carlos Indian Reserv.		Winkelman Valley Decreed		U.S.A. Decreed		GRIC Decreed		SCIDD Decreed		TBI Decreed		Total TBI		Total USA TBI		Year of Prior.			
	Decreed	TBI 2018	Decreased	TBI 2018	Decreased	TBI 2018	Decreased	AsARCO Ind.*	KEARNY Ind.*	Agr. LANDS	TBI 2018	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Total TBI	Total USA TBI	Total TBI	Total USA TBI	Year of Prior.		
Immenn. Rights 1846																				437.5	437.5	222.7	222.7	222.7	222.7	
1868																				450.0	450.0	222.7	222.7	222.7	222.7	
1869																				462.0	462.0	222.8	222.8	222.8	222.8	
1872																				472.7	472.7	223.0	223.0	223.0	223.0	
1873																				480.6	480.6	223.3	223.3	223.3	223.3	
1874																				483.0	483.0	223.7	223.7	223.7	223.7	
1875																				487.8	487.8	223.4	223.4	223.4	223.4	
1876																				497.5	497.5	223.1	223.1	223.1	223.1	
1877																				517.0	517.0	223.2	223.2	223.2	223.2	
1878																				521.7	521.7	223.2	223.2	223.2	223.2	
1879																				534.7	534.7	223.2	223.2	223.2	223.2	
1880																				547.0	547.0	223.2	223.2	223.2	223.2	
1881																				554.6	554.6	223.2	223.2	223.2	223.2	
1882																				566.0	566.0	223.2	223.2	223.2	223.2	
1883																				579.9	579.9	223.2	223.2	223.2	223.2	
1884																				593.0	593.0	223.2	223.2	223.2	223.2	
1885																				607.4	607.4	223.2	223.2	223.2	223.2	
1886																				634.6	634.6	223.3	223.3	223.3	223.3	
1887																				659.2	659.2	223.3	223.3	223.3	223.3	
1888																				701.3	701.3	223.3	223.3	223.3	223.3	
1889																				717.2	717.2	223.3	223.3	223.3	223.3	
1890																				733.0	733.0	223.3	223.3	223.3	223.3	
1891																				746.2	746.2	223.3	223.3	223.3	223.3	
1892																				761.4	761.4	223.3	223.3	223.3	223.3	
1893																				783.5	783.5	223.3	223.3	223.3	223.3	
1894																				802.7	802.7	223.3	223.3	223.3	223.3	
1895																				818.9	818.9	223.3	223.3	223.3	223.3	
1896																				839.1	839.1	223.3	223.3	223.3	223.3	
1897																				857.1	857.1	223.3	223.3	223.3	223.3	
1898																				870.7	870.7	223.3	223.3	223.3	223.3	
1899																				887.1	887.1	223.3	223.3	223.3	223.3	
1900																				901.0	901.0	223.3	223.3	223.3	223.3	
1901																				916.7	916.7	223.3	223.3	223.3	223.3	
1902																				932.9	932.9	223.3	223.3	223.3	223.3	
1903																				949.5	949.5	223.3	223.3	223.3	223.3	
1904																				965.7	965.7	223.3	223.3	223.3	223.3	
1905																				980.5	980.5	223.3	223.3	223.3	223.3	
1906																				996.7	996.7	223.3	223.3	223.3	223.3	
1907																				1012.6	1012.6	223.3	223.3	223.3	223.3	
1908																				1028.9	1028.9	223.3	223.3	223.3	223.3	
1909																				1045.9	1045.9	223.3	223.3	223.3	223.3	
1910																				1062.6	1062.6	223.3	223.3	223.3	223.3	
1911																				1079.3	1079.3	223.3	223.3	223.3	223.3	
1912																				1096.0	1096.0	223.3	223.3	223.3	223.3	
1913																				1112.7	1112.7	223.3	223.3	223.3	223.3	
1914																				1129.4	1129.4	223.3	223.3	223.3	223.3	
1915																				1146.1	1146.1	223.3	223.3	223.3	223.3	
1916																				1162.8	1162.8	223.3	223.3	223.3	223.3	
1917																				1179.5	1179.5	223.3	223.3	223.3	223.3	
1918																				1196.2	1196.2	223.3	223.3	223.3	223.3	
1919																				1212.9	1212.9	223.3	223.3	223.3	223.3	
1920																				1229.6	1229.6	223.3	223.3	223.3	223.3	
1921																				1246.3	1246.3	223.3	223.3	223.3	223.3	
1922																				1263.0	1263.0	223.3	223.3	223.3	223.3	
1923																				1289.7	1289.7	223.3	223.3	223.3	223.3	
1924																				1316.4	1316.4	223.3	223.3	223.3	223.3	
1925																				1333.1	1333.1	223.3	223.3	223.3	223.3	
1926																				1359.8	1359.8	223.3	223.3	223.3	223.3	
1927																				1386.5	1386.5	223.3	223.3	223.3	223.3	
1928																				1413.2	1413.2	223.3	223.3	223.3	223.3	
Total	100.6	56.3	394.6	275.8	507.0	332.1	12.5	0.0	22.2	1.3	5.5	0.0	1256.5	437.5	222.7	624.7	7.2	1793.2	585.5	229.9	Total	Total	Total	Total	Total	Total

Issue: The Social Role of the Media

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	Colmenero	Sexton	York	F. E. Ross	York Cattle	J H Brown	R K Davis	Laura Short	Albert	TBI	Total	Total Modified
	Decreed	2021	Decreed	2021	Decreed	Decreed	Decreed	Decreed	Decreed	Decreed	Decreed	Decreed	Decreed	Decreed	Decreed	Decreed
1874	6.3	5.0													6.3	6.3
1881	12.1	9.5													12.1	12.1
1882	13.2	10.4	0.4	0.2	1.3	1.0	0.5								13.2	13.2
1884															13.7	13.7
1885	15.5	12.2	2.1												18.7	19.3
1886															21.6	22.2
1887	16.1	12.7	4.1	2.5	2.0	1.0									22.3	22.9
1888															29.9	30.5
1889															31.2	31.8
1891	16.5	13.0	7.9	4.9											31.7	32.3
1892															32.9	33.5
1893	17.7	13.9	8.0	5.0											33.8	34.4
1894	17.8	14.0	8.7	5.4											34.4	34.4
1895	19.8	15.6	11.0	6.9	8.2	4.2									37.1	37.7
1896	21.0	16.5	11.9	7.4	9.6	4.9									41.4	42.0
1897	21.1	16.6	12.1	13.8	13.7	7.0	0.9								44.8	45.4
1898	24.4	19.2	28.2	17.6	14.4	7.4									58.3	59.8
1900	27.6	21.7	29.3	18.3	14.6	7.5	1.1								68.4	69.9
1901															72.9	75.4
1902															75.2	76.1
1903															78.2	78.2
1904	28.5	22.4	28.9	18.7	15.1	7.7									79.3	79.3
1905															74.3	81.3
1906															75.0	82.4
1907															75.2	83.4
1908															75.3	85.1
1909																
1910																
1911																
1912																
1913																
1914	29.4	23.1	31.7	19.8	17.0	8.7	5.4								77.4	89.1
1915															78.5	90.2
1916															79.1	91.1
1917	33.6	26.4	31.9	19.9	17.2	8.8	5.5								79.5	93.5
1918	34.4	27.0	19.9	17.3	8.9										84.1	93.6
1919															84.1	93.6
1920															84.1	93.6
1921															84.1	93.6
1926	34.5	27.1	32.5	20.3	17.3	8.9	5.5	1.7	1.8	3.9	0.1	0.6	0.3	0.5	0.1	85.8
Total	34.5	27.1	32.5	20.3	17.3	8.9	5.5	1.7	1.8	3.9	0.1	0.6	0.3	0.5	0.1	85.8
DECREED ACRES	2,759.90	2,576.31	1,386.85	441.00	137.90	144.10	315.10	11.60	49.80	25.60	26.30	36.50	0.00	8.80		
TBI ACRES	2,169.47	1,608.40	708.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	44.89%
% REDUCTION	21.38%	37.57%	48.94%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	43.38%
% ACRES TBI	78.61%	62.43%	51.06%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	56.64%

Note: For blank spaces use first figure above.

RELATIVE DIVERSION RIGHT FOR SAFFORD VALLEY
Based on one cubic foot per second for each eighty acres

THEN BEING IRRIGATED

Consolidated Brown		Fourness		San Jose		Montezuma		Union-Sunflower		Graham		Smithville		Dodge-Nevada		Curtis		Fort Thomas		Colvin-Jones		
Year	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	TBI 2021	Decreased	Total 2021	Decreased	
1872	2.1	1.3	1.2	0.9	0.6	0.4	0.3	0.6	0.3	0.4	0.3	0.6	0.3	0.4	0.3	0.4	0.3	0.4	0.3	0.4	0.3	
1873	0.5	0.3	1.6	1.1	1.2	1.0	0.6	1.8	3.4	2.3	3.1	0.4	0.3	0.6	0.7	1.0	0.5	1.0	0.6	1.0	0.5	
1874	1.0	0.6	1.6	1.1	3.8	3.0	6.1	3.9	4.7	4.2	4.0	0.6	0.5	0.9	0.7	1.2	0.9	1.2	0.9	7.9	5.3	
1875	1.2	0.8	1.9	1.3	7.5	5.9	7.3	4.7	6.4	4.2	4.0	0.6	0.5	1.4	4.4	3.7	1.9	1.4	4.4	16.0	10.9	
1876																				23.4	16.3	
1877	2.6	1.6	11.2	8.8	10.0	7.6	11.3	7.3	7.9	5.2	0.8	0.6	0.9	0.7	0.9	0.7	1.0	0.5	34.0	23.4		
1878	3.0	1.9	13.8	10.8	11.2	10.8	11.3	8.9	11.1	7.4	1.1	0.9	0.7	1.2	1.2	1.0	0.9	1.0	41.6	28.7		
1879	3.6	2.3	15.0	11.6	15.0	11.8	12.1	13.5	8.9	1.8	1.4	4.4	3.7	1.9	1.4	1.4	1.4	1.4	48.9	33.7		
1880	4.0	2.5	16.2	12.7	17.7	19.0	12.2	16.4	10.9	2.1	1.6	8.1	6.8	3.2	2.4	0.4	0.3	59.9	42.1			
1881																				70.4	49.9	
1882	4.8	3.0	18.6	14.6	20.2	13.0	17.7	11.7	3.3	2.6	11.2	9.4	4.4	3.2	1.4	1.1	1.4	0.6	83.2	59.5		
1883	5.2	3.3	20.0	15.7	20.8	13.4	25.1	16.6	5.0	3.9	13.1	10.9	5.5	4.1	4.8	3.8	2.6	1.2	102.1	72.9		
1884	5.9	3.7	22.5	17.7	21.3	13.7	30.7	20.3	5.1	4.0	14.1	12.2	6.6	5.0	12.9	12.1	4.0	1.8	123.1	88.3		
1885	6.4	4.0	23.6	18.7	14.1	37.9	25.1	6.5	5.1	15.2	12.7	7.8	5.9	15.5	12.4	20.7	13.8	1.8	138.9	99.8		
1886	6.8	4.3																		157.5	112.5	
1887	8.4	5.3	18.6	14.6	20.2	13.0	17.7	11.7	3.3	2.6	11.2	9.4	4.4	3.2	1.4	1.1	1.4	0.6	167.6	119.8		
1888	8.6	5.4	25.0	19.6	24.3	15.7	52.4	34.7	11.6	9.1	18.8	15.7	11.1	8.3	18.8	15.0	20.4	16.0	5.3	175.9	125.9	
1889	8.7	5.5	25.6	19.6	20.1	16.1	58.3	38.6	13.4	10.5	12.2	9.2	12.2	9.2	20.4	16.3	20.4	16.0	5.8	187.8	134.4	
1890	9.3	5.8	25.8	19.6	21.0	17.1	64.3	42.6	14.5	11.3	20.0	16.7	13.4	10.1	20.4	16.3	20.4	16.3	5.8	199.1	142.2	
1891	11.5	7.2	2.6	2.0	26.7	21.0	26.6	17.1	66.9	44.3	17.4	13.6	14.0	10.5	14.0	10.5	20.4	16.3	211.9	151.4		
1892	12.1	7.6	27.3	18.2	27.7	21.7	32.3	21.4	17.6	68.5	45.4	19.4	15.1	20.3	17.0	14.4	10.8	8.1	3.7	223.8		
1893	13.1	8.2	28.8	18.6	28.4	22.3	32.3	29.3	18.3	18.6	69.9	46.3	20.4	15.9	20.6	17.2	14.4	10.8	8.1	226.1		
1894	13.2	8.3	29.3	18.6	28.4	22.3	32.3	30.8	19.9	18.6	70.5	46.7	22.9	17.3	20.0	17.9	14.7	11.0	8.5	231.2		
1895	14.8	9.3	29.6	21.2	31.7	24.9	39.3	25.3	19.9	20.6	46.3	24.0	18.7	12.1	21.4	17.9	14.7	11.0	5.5	241.1	170.6	
1896																				217.5	155.5	
1897																				244.7	172.7	
1898	15.4	9.7	30.3	23.6	31.7	24.9	39.3	32.2	21.4	20.7	46.9	25.4	19.8	15.2	20.6	17.2	14.7	11.0	13.1	6.0	247.8	
1899	19.0	10.0	31.7	24.9	33.0	25.9	40.4	32.2	21.4	20.7	47.0	27.6	21.6	18.7	20.5	17.2	14.7	11.0	14.3	6.6	247.8	
1900																			19.8	7.6	255.0	
1901	15.9																		11.5	9.1	264.9	
1902																			21.8	10.0	271.1	189.3
1903																			13.1	10.5	276.7	
1904																			23.4	10.8	281.6	
1905																			23.4	10.8	290.0	203.3
1906																			31.5	10.8	314.3	220.4
1907																			317.9	223.1		
1908																			340.6	239.0		
1909																			343.7	243.7		
1910																			347.6	243.7		
1911																			354.7	248.5		
1912																			355.7	249.2		
1913																			361.3	253.1		
1914	16.1	10.1	51.3	40.3	57.6	37.1	89.3	59.3	48.4	37.5	29.3	25.0	20.9	20.9	20.3	19.1	13.4	20.6	12.5	1.8	361.3	
1915																			27.7	12.8	372.9	
1916	16.3	10.2	51.7	40.6	58.8	37.9	90.1	59.7	58.9	37.2	89.4	59.3	49.1	38.3	28.7	21.5	19.6	13.4	31.0	14.3	369.6	
1917	16.6	10.4	51.7	40.6	58.9	38.0	90.3	59.3	58.9	37.1	89.3	59.2	49.1	38.2	29.4	24.6	21.5	19.7	31.3	14.4	370.7	
1918																			32.2	14.8	392.7	
1919	16.6	10.4	51.7	40.6	58.8	37.9	90.1	59.7	58.9	37.1	89.3	59.2	49.1	38.2	29.4	24.6	19.7	15.1	32.8	14.8	394.6	
1920																			32.8	15.1	394.6	
Total	16.6	10.4	2.6	2.0	51.7	40.6	58.9	38.0	90.3	59.3	52.7	41.2	30.4	25.4	31.5	23.6	24.6	19.7	32.8	15.1	2.6	0.0
DECREED ACRES	1,311.28	210.70	4,119.58	4,715.78	4,102.49	4,283.00	2,516.54	1,971.72	1,971.72	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	2,615.86	205.90	31,344.55	
TI ACRES	921.00	161.40	3,233.83	3,329.46	4,766.39	1,990.44	1,889.40	1,578.70	1,578.70	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	3,203.51	4,116.56	20.00	21,891.03	
% REDUCTION	37.16%	23.40%	21.50%	35.35%	33.72%	21.31%	16.47%	16.47%	16.47%	33.72%	33.72%	33.72%	33.72%	33.72%	33.72%	33.72%	33.72%	33.72%	24.9%	0.00%	30.15%	
% AGREED TBI	62.84%	76.60%	78.50%	64.45%	66.28%	78.50%	83.53%	78.09%	78.09%	83.53%	83.53%	83.53%	83.53%	83.53%	83.53%	83.53%	83.53%	83.53%	80.05%	0.00%	69.84%	

Note: For blank spaces use first figure above.

2021

COMPARISON OF U.S.G.S. 2021 DATA TO FINAL DATA

Negative number means revised down from original data.

STATION	JAN REVISED AC-FT	FEB REVISED AC-FT	MAR REVISED AC-FT	APR REVISED AC-FT	MAY REVISED AC-FT	JUN REVISED AC-FT	JUL REVISED AC-FT	AUG REVISED AC-FT	SEP REVISED AC-FT	OCT REVISED AC-FT	NOV REVISED AC-FT	DEC REVISED AC-FT	TOTAL REVISED AC-FT
Gila Below Blue Creek	-40	-72	-183	-37	-10	0	-1769	-637	-237	-179	-27	-330	-3521
Gila River Near Clifton	42	-23	0	22	0	0	68	-6	-17	0	-15	-33	38
San Francisco River @ Clifton	-233	-7	91	-20	-5	-37	-2	85	2856	-44	6	192	2881
Head of Safford Valley	540	-1	633	-1	0	10	15	19	-140	-146	-1	-1	927
Gila @ Calva	182	27	11	-1	-1	0	816	-2532	-1798	-1211	-540	-473	-5520
San Carlos River @ Peridot	0	2	0	0	8	0	0	-1	0	290	9	-1	307
Gila Below Coolidge Dam	43	-22	-3	-73	43	42	335	-3275	30	123	539	-320	-2538
Gila @ Kelvin	0	-1	-2	-1	0	1	1727	1229	0	-272	0	-3	2677
Florence Casa Grande Canal	0	-1	-2	-1	0	-1	0	6	15	0	0	-2	14

2021

Gila River Below Blue Creek Near Virden, New Mexico

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	84	88	82	58	44	5	2	90	296	104	67	60
2	65	80	85	50	43	6	2	154	546	99	69	69
3	62	71	92	49	36	6	2	149	422	98	68	71
4	58	71	82	48	39	5	9	132	288	89	64	71
5	56	66	76	44	37	5	8	131	252	78	65	69
6	58	64	76	40	32	4	27	102	440	80	60	71
7	55	78	78	38	30	3	19	132	345	78	58	71
8	60	77	83	35	30	3	18	87	253	74	57	71
9	66	75	92	34	30	3	16	76	262	74	55	70
10	67	67	88	31	29	2	18	66	239	72	62	75
11	69	62	78	32	26	2	43	65	206	72	62	75
12	71	66	71	36	22	2	46	183	163	67	64	77
13	75	67	72	35	21	1	40	314	119	63	64	77
14	79	71	76	34	19	1	62	342	113	73	65	76
15	80	72	81	39	15	1	69	229	100	70	66	81
16	82	76	82	43	13	1	101	196	88	71	68	79
17	80	83	89	45	12	1	192	379	75	70	69	81
18	75	91	85	47	11	1	101	297	74	69	70	87
19	70	93	85	50	11	1	108	305	64	68	72	83
20	68	95	75	50	9	1	84	256	56	64	70	83
21	64	91	77	48	7	1	63	223	49	62	68	79
22	61	102	68	44	7	1	60	124	53	59	69	82
23	70	94	62	41	6	1	88	144	56	66	68	81
24	81	84	63	44	6	1	210	189	62	70	69	73
25	84	95	68	42	7	1	315	116	56	70	66	72
26	86	80	65	49	7	1	167	167	278	78	67	74
27	91	78	68	48	8	1	134	122	89	78	71	76
28	88	86	71	44	7	1	116	191	91	68	68	87
29	93		65	44	7	1	315	210	259	76	66	87
30	93		68	41	6	1	126	239	97	69	68	90
31	90		69		6		96	302		74		93
Total	2,279	2,221	2,371	1,282	583	64	2,657	5,712	5,491	2,303	1,975	2,390
Ac-ft	4,519	4,405	4,702	2,542	1,156	128	5,271	11,331	10,891	4,567	3,918	4,741

Total for the Year: 58,171 ac-ft

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

2021

GILA RIVER NEAR CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	23	53	67	27	23	18	15	107	419	112	35	67
2	23	55	65	28	23	18	15	101	349	117	36	64
3	23	56	67	28	22	17	14	167	483	114	37	68
4	23	55	63	27	22	15	15	138	313	105	40	69
5	23	55	57	27	22	14	15	127	247	98	40	71
6	23	56	53	27	22	14	30	123	293	96	44	70
7	23	56	49	26	22	14	37	100	303	86	40	71
8	23	58	46	25	22	14	52	130	253	79	36	72
9	23	60	47	26	22	14	43	93	201	74	35	72
10	23	62	53	25	22	14	30	155	168	71	35	72
11	22	63	57	26	22	14	61	103	146	68	37	72
12	23	62	53	26	22	14	24	75	130	68	41	72
13	24	62	42	24	22	14	21	494	120	62	43	75
14	26	64	38	23	22	13	19	367	106	56	46	77
15	27	64	37	23	21	13	19	296	92	55	50	75
16	28	66	42	23	22	12	24	305	74	53	51	76
17	29	67	47	23	22	12	307	457	56	51	54	77
18	30	67	46	23	22	12	145	237	46	50	56	77
19	31	68	45	23	22	12	364	188	40	45	55	79
20	31	70	44	23	22	11	92	186	36	39	59	79
21	31	71	43	22	23	11	54	142	35	36	56	79
22	31	71	37	22	23	11	51	115	33	32	59	77
23	31	73	35	22	21	11	88	122	34	29	65	77
24	32	73	36	22	22	11	102	233	34	27	64	77
25	36	71	34	22	22	12	419	201	33	27	60	76
26	40	71	32	22	22	11	249	127	81	27	65	71
27	41	70	30	22	22	11	140	174	137	25	69	72
28	43	69	29	23	21	12	114	123	92	27	70	73
29	46		29	24	20	24	97	174	194	29	71	79
30	49		29	23	19	15	263	293	241	34	71	80
31	50		27		18		142	327		37		87
Total	929	1,787	1,375	726	674	406	3,060	5,980	4,787	1,825	1,518	2,300
Ac-ft	1,842	3,545	2,728	1,440	1,337	805	6,070	11,861	9,495	3,620	3,012	4,562

Total for the Year: 50,317 ac-ft

Drainage area - 4,010 sq. mi.

2021

SAN FRANCISCO RIVER AT CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	37	41	53	54	30	5	41	342	1,030	473	26	44
2	42	40	52	55	27	12	42	344	1,250	231	33	49
3	38	40	48	55	25	14	92	258	688	161	35	49
4	41	40	45	51	20	13	80	115	418	126	36	46
5	39	41	46	44	22	12	340	58	489	98	33	46
6	42	41	48	42	22	8	335	26	452	125	33	50
7	43	41	48	46	20	8	246	18	272	104	37	51
8	41	40	50	43	17	5	247	223	192	80	38	53
9	41	37	49	45	20	4	88	53	143	81	40	54
10	42	38	52	41	20	9	30	175	104	65	41	58
11	41	40	52	38	17	9	46	168	93	49	39	55
12	41	40	53	37	11	8	60	286	86	49	38	50
13	41	41	56	30	16	7	15	310	61	49	37	55
14	43	46	56	32	16	8	5	403	47	58	36	56
15	40	47	55	30	14	6	16	385	39	60	37	53
16	41	48	57	31	14	4	247	172	38	58	40	52
17	42	51	58	34	14	4	213	248	35	56	41	55
18	46	53	54	34	11	3	125	352	29	52	39	57
19	47	52	56	38	18	3	111	320	30	43	44	57
20	46	52	57	32	15	9	97	173	26	41	43	54
21	47	51	52	32	15	8	28	107	23	34	43	53
22	47	52	52	32	22	8	33	64	19	39	44	53
23	44	53	55	33	24	8	343	94	17	39	43	55
24	44	53	59	31	19	9	366	370	16	36	42	57
25	48	53	61	30	9	8	1,540	177	35	33	41	177
26	53	54	60	32	14	7	596	123	48	29	46	114
27	50	53	61	26	14	9	219	286	59	31	46	85
28	47	52	62	33	13	8	113	522	56	33	49	74
29	46		62	43	12	8	219	476	100	35	49	70
30	48		59	43	12	28	339	467	540	30	46	74
31	48		55		11		167	541		26		78
Total	1,350	1,290	1,682	1,147	529	252	6,439	7,656	6,434	2,423	1,195	1,935
Ac-ft	2,678	2,558	3,336	2,275	1,048	499	12,772	15,185	12,761	4,807	2,370	3,838

Total for the Year: 64,128 ac-ft

Drainage area - 2,766 sq. mi.

2021

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

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	76	109	116	87	62	32	22	376	1,270	547	95	133
2	78	110	115	87	57	31	24	485	1,930	330	96	126
3	79	110	115	89	54	31	62	373	1,550	269	99	128
4	78	109	113	87	53	31	57	348	1,250	238	102	127
5	78	109	109	86	51	30	67	261	1,430	220	104	127
6	77	109	104	82	50	29	112	224	1,230	205	105	129
7	78	109	102	84	49	27	102	193	656	212	106	131
8	78	110	101	83	47	27	111	285	369	180	105	131
9	78	113	101	82	46	25	102	252	301	168	105	132
10	77	110	104	83	46	24	79	294	266	157	105	132
11	77	112	107	81	45	24	92	512	246	144	104	139
12	78	111	108	80	44	23	95	387	234	137	107	135
13	78	109	105	78	42	22	75	462	211	133	107	135
14	79	113	98	75	43	20	57	939	195	129	109	138
15	79	113	92	73	42	19	53	689	178	131	112	136
16	78	116	91	73	41	19	308	476	156	128	115	140
17	79	118	91	74	41	16	403	707	128	124	117	139
18	81	120	92	75	41	15	287	538	118	123	119	139
19	82	120	92	76	40	14	471	457	116	117	122	140
20	83	121	93	75	41	14	343	328	107	110	126	138
21	84	121	93	72	40	14	393	291	95	107	126	138
22	83	122	93	68	41	14	479	275	91	105	125	136
23	84	122	92	67	41	14	1,020	261	88	102	130	136
24	93	126	92	66	41	14	1,120	350	88	99	129	138
25	100	123	90	64	39	15	2,560	380	89	97	126	168
26	112	125	87	63	36	15	2,110	259	145	94	127	197
27	115	123	85	61	37	16	1,150	324	247	92	133	173
28	104	122	82	61	35	17	734	518	218	96	133	163
29	101		80	64	34	19	584	492	259	98	134	162
30	108		79	64	33	21	630	582	570	99	132	164
31	110		81		32		497	733		101		171
Total	2,663	3,235	3,002	2,259	1,345	626	14,199	13,051	13,831	4,892	3,455	4,421
Ac-ft	5,283	6,417	5,954	4,480	2,668	1,241	28,163	25,887	27,434	9,703	6,852	8,769

Total for the Year: 132,851 ac-ft

Drainage area - 7,896 sq. mi.

2021

GILA RIVER AT CALVA, ARIZONA

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	5	44	72	25	15	10	5	446	1,130	515	66	41
2	6	46	63	23	13	10	4	187	1,790	568	67	33
3	6	47	38	22	13	9	5	291	2,240	311	66	32
4	6	47	30	21	13	8	5	202	2,000	241	66	31
5	7	48	26	22	13	8	5	186	997	206	66	33
6	7	49	23	21	12	8	3	130	1,070	190	68	39
7	6	50	22	18	12	8	4	106	947	349	68	39
8	6	52	23	16	12	7	5	80	673	205	69	37
9	6	53	21	16	13	7	5	70	307	156	69	38
10	6	51	20	16	12	7	5	120	200	139	69	33
11	7	53	19	17	13	7	5	332	152	129	68	31
12	9	54	18	16	13	6	5	327	123	116	69	30
13	10	55	18	17	11	6	5	172	104	104	68	32
14	12	56	19	16	11	6	5	317	93	103	70	32
15	14	57	23	15	11	5	5	1,260	90	98	70	33
16	16	59	25	16	11	5	5	604	76	98	71	40
17	18	61	25	19	11	4	80	566	69	96	75	43
18	19	62	26	17	11	4	11	1,120	66	92	75	52
19	20	64	24	16	10	4	70	1,240	59	81	67	50
20	21	66	24	17	10	4	80	652	56	62	65	56
21	22	68	23	18	9	4	100	418	55	53	69	55
22	23	70	22	17	9	4	100	266	52	50	72	54
23	23	71	23	15	9	4	776	167	51	50	69	53
24	25	71	24	14	9	5	1,310	141	50	52	72	58
25	27	70	26	14	9	5	1,210	618	55	51	77	80
26	29	71	28	14	10	5	1,590	195	75	52	77	115
27	31	72	26	14	9	5	1,240	146	92	50	75	169
28	33	73	27	14	9	4	542	134	152	49	81	151
29	36		25	15	10	3	393	284	157	50	92	143
30	38		25	14	10	4	262	288	213	54	82	139
31	39		26		10		459	508		68		151
Total	530	1,639	829	513	339	176	8,298	11,573	13,194	4,439	2,135	1,921
Ac-ft	1,050	3,251	1,645	1,018	673	349	16,459	22,956	26,170	8,805	4,235	3,811

Total for the Year: 90,422 ac-ft

Drainage area - 11,470 sq. mi.

2021

SAN CARLOS RIVER NEAR PERIDOT, ARIZONA

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1				1	3	1		89	93	24	3	6
2				1	4	1		113	79	8	3	10
3				2	3	1		96	82	4	4	11
4				1	3	1	17	36	36	2	4	11
5				1	3	1	6	20	22	100	4	11
6				2	3		0.4	11	14	87	5	9
7				3	2			6	10	12	5	11
8				2	2			4	8	6	5	11
9				2	2			2	7	4	3	12
10				2	2			1	4	3	3	13
11				2	2		7	257	3	2	3	13
12				2	2		0.2	82	2	1	3	12
13				2	2		70	124	2		4	10
14				4	1		218	164	1		4	10
15				5	1		3	174	1		5	6
16				5	1		154	97	1		6	7
17				5	1		82	235	0.4		7	8
18				5	1		79	1,240	0.3		4	8
19				5	1		182	713	0.2		4	7
20				4	1		84	264	0.1		5	8
21				4	1		26	86			5	9
22				4	1		20	44			3	9
23				4	1		106	23	0.1		3	9
24				5	1		22	17			2	101
25				6	1		184	13			2	59
26				6	1		15	10	10		2	38
27			1	6	1		7	8	7		2	28
28			1	5	1		66	9	5		2	22
29			5	1			127	7	4		1	24
30			4	1			37	9	174			25
31			4				20	13				71
Total		2	111	48	5		1,532	3,967	565	253	106	590
Ac-ft		4	220	95	10		3,039	7,868	1,120	501	210	1,171

Total for the Year: 14,238 ac-ft

Drainage area - 1,026 sq. mi.

2021

GILA RIVER BELOW COOLIDGE DAM, ARIZONA

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1		1	219	319				2		245	4	290
2		1	162	317				2		249	4	315
3		1	198	315				2		243	4	327
4		1	216	312				2		221	4	339
5		1	213	310				2		197	4	343
6		1	213	307				2		196	2	329
7		2	214	303				2	200	196	2	324
8		22	214	158				2	200	187		319
9		136	190	2				2	300	167		308
10		211	172	2				2	200	165		304
11		211	166	2				2	200	164	1	235
12		211	164	2				2	197	163	1	192
13		211	166	2				2	215	155	2	207
14		211	166	2				2	214	173	3	226
15		211	167	2			17	2	291	234	4	250
16		210	168	2			13	2	349	256	5	258
17		210	168	2				2	350	253	6	225
18		210	182	2					348	248	7	208
19		204	212	2				787	347	247	8	208
20		228	227	2			82	749	298	246	13	170
21		228	251	2			29	100	275	253	18	143
22		220	275	2					275	16	6	148
23		214	290	2					276	4	4	149
24		221	290	2					283	2	4	199
25		226	289	2					284	2	4	227
26		225	289	2					278	2	113	248
27		237	288	2					273	2	203	192
28		267	287	2					259	2	207	155
29			286	2					236	2	209	51
30			285	2					237	2	266	2
31			304							2		2
Total	4,330	6,931	2,392		141	1,673	6,385	4,493	1,106	6,894		
Ac-ft	8,589	13,748	4,744		280	3,318	12,665	8,912	2,193	13,673		

Total for the Year: 68,122 ac-ft

Drainage area - 12,886 sq. mi.

2021

NATURAL FLOW RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1			73	29						245		47
2			64	27						249		43
3			40	24						243		43
4			31	24						221		43
5			27	24						197		44
6			25	24						196		48
7			25	20					200	196		50
8		22	24	18					200	187		48
9		53	23						300	160		49
10		51	22						200	142		47
11		53	21						155	131		45
12		54	20						125	117		42
13		55	20						106	104		42
14		56	23						94	103		41
15		57	28				8		91	98		39
16		59	30			13			77	98		47
17		61	30						69	96		51
18		62	31						66	92		59
19		64	28				787		60	81		57
20		66	28			82	749		56	62	13	64
21		68	27			29	100		55	53	18	64
22		70	26						52	16		64
23		71	26						51			62
24		71	30						50			159
25		70	33						55			139
26		71	34					84		79		153
27		73	32					99		77		192
28		74	32					157		82		155
29			30					161		94		51
30			29					237		82		
31			29									
Total		1,281	941	190		132	1,636	2,800	3,087	445	1,988	
Ac-ft		2,540	1,866	377		261	3,245	5,554	6,123	882	3,943	

Total for the Year: 24,791 ac-ft

2021

STORED WATER RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1			146	290								243
2			98	290								272
3			158	291								284
4			185	288								296
5			186	286								299
6			188	283								281
7			189	283								274
8			190	140								271
9			83	167					7			259
10			160	150					23			257
11			158	145			45		33			190
12			157	144			72		46			150
13			156	146			109		51			165
14			155	143			120		70			185
15			154	139		9		200	136			211
16			151	138			272		158			211
17			149	138			281		157			174
18			148	151			282		156			149
19			140	184			287		166			151
20			162	199			242		184			106
21			160	224			220		200			79
22			150	249			223					84
23			143	264			225					87
24			150	260			233					40
25			156	256			229					88
26			154	255			194		34			95
27			164	256			174		126			
28			193	255			102		125			
29				256			75		115			
30				256					184			
31				275								
Total			3,043	5,990	2,151		9		3,585	1,387	584	4,901
Ac-ft			6,036	11,881	4,267		18		7,111	2,751	1,158	9,721

Total for the Year: 42,943 ac-ft

2021

GILA RIVER AT KELVIN ARIZONA

Mean daily diversions, cubic feet per second

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	14	13	246	257	11			32	176	239	1	183
2	14	12	205	268	10			2	269	241		217
3	14	12	161	268	10				59	238		272
4	13	11	185	266	11				24	237		291
5	13	10	198	274	11				12	215		304
6	13	17	196	269	10				21	297		309
7	12	24	196	263	9				8	215		321
8	12	24	195	259	9				5	203		327
9	12	24	194	174	9			1	89	176		315
10	12	61	177	60	9			102	97	147		304
11	12	174	163	40	9			775	101	146		286
12	12	184	158	31	10			373	131	142		223
13	13	187	159	25	10			33	168	145		202
14	13	191	159	21	9			297	182	146		208
15	12	194	156	18	9		15	864	183	160		209
16	13	197	155	16	7		4	888	264	198		207
17	13	198	157	14	8		88	510	316	213		207
18	13	200	155	13	7		115	1100	320	214		207
19	13	202	163	14	6		2	1880	324	214		209
20	11	198	182	13	6		149	707	325	213		208
21	11	215	195	14	5		20	109	278	213		177
22	11	217	214	15	4		95	43	269	213		151
23	11	210	236	15	4		627	28	270	109		150
24	12	206	253	15	4		314	21	275	38		167
25	13	212	252	14	3		442	16	274	23		287
26	16	216	251	13	3		355	14	310	16		253
27	15	216	252	14	3		57	11	298	11	18	238
28	16	224	251	14	2		0.5	9	271	9	151	192
29	15		250	14	1			14	255	7	172	174
30	16		243	12	1		16	7	300	6	181	107
31	14		240		1		22	28		4		43
Total	402	3,849	6,197	2,702	210		2,320	7,863	5,873	4,648	523	6,948
Ac-ft	797	7,635	12,292	5,360	416		4,602	15,596	11,649	9,219	1,037	13,781

Total for the Year: 82,385 ac-ft

Drainage area - 18,011 sq. mi. of which 5,125 sq. mi. is below Coolige Dam

2021

OPERATION OF SAN CARLOS RESERVOIR

Quantities in Acre-Feet

2021 Month	Storage			Inflow				Releases			Bank		
	Beginning Storage	Ending Storage	Gain or Loss	Calva	Peridot	Rain	Total	Gila Below Coolidge Dam	Outflow	Evap	Total	Storage	Release
JAN	19538	19703	165	1050		417	1467		608	608	608	694	
FEB	19703	13179	-6524	3251	4	417	3672	8589	608	9197	999		
MAR	13179	3952	-9227	1645	220	88	1953	13748	524	14272			-3092
APR	3952	81	-3871	1018	95	1	1114	4744	123	4867	118		
MAY	81	50	-31	673	10		683		31	31	683		
JUN	50	50		349			349		29	29	320		
JUL	50	8059	8009	16459	3039	131	19629	280	196	476	11144		
AUG	8059	27411	19352	22956	7868	914	31738	3318	1237	4555	7831		
SEP	27411	31413	4002	26170	1120	759	28049	12665	1491	14156	9891		
OCT	31413	29003	-2410	8805	501	152	9458	8912	1044	9956	1912		
NOV	29003	29934	931	4235	210	49	4494	2193	718	2911	652		
DEC	29934	19600	-10334	3811	1171	477	5459	13673	379	14052	1741		
Totals			62	90422	14238	3405	108065	68122	6988	75110	35985	-3092	

2021

In Acre-Feet

2021 Month	Storage		Accumulated					Monthly Bank Result	
	Contents	Contents	Inflow	Releases	Bank		Net Result		
	End of Month	Gain or Loss	Including Rain	Including Evap	Storage	Release			
Begin	19538								
JAN	19703	165	1467	608	694	0	694	694	
FEB	13179	-6524	5139	9805	999	0	1693	999	
MAR	3952	-9227	7092	24077	0	-3092	-1399	-3092	
APR	81	-3871	8206	28944	118	0	-1281	118	
MAY	50	-31	8889	28975	683	0	-598	683	
JUN	50	0	9238	29004	320	0	-278	320	
JUL	8059	8009	28867	29480	11144	0	10866	11144	
AUG	27411	19352	60605	34035	7831	0	18697	7831	
SEP	31413	4002	88654	48191	9891	0	28588	9891	
OCT	29003	-2410	98112	58147	1912	0	30500	1912	
NOV	29934	931	102606	61058	652	0	31152	652	
DEC	19600	-10334	108065	75110	1741	0	32893	1741	
Graph:	STORAGE		INFLOW	RELEASES	BANK STOR/REL				

2021

WATER SURFACE ELEVATIONS, SAN CARLOS RESERVOIR

Elevation in Feet

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2412.88	2412.95	2409.07	2402.12	2393.41	2392.63	2392.64	2406.29	2417.09	2417.87	2417.03	2417.18
2	2412.88	2412.98	2408.80	2401.14	2392.75	2392.63	2392.64	2406.52	2417.62	2418.10	2417.01	2416.96
3	2412.87	2412.93	2408.50	2400.61	2393.37	2392.63	2392.64	2406.91	2418.65	2418.13	2417.05	2416.71
4	2412.87	2412.93	2408.38	2399.90	2393.35	2392.63	2392.64	2407.28	2419.53	2418.12	2417.08	2416.46
5	2412.88	2412.93	2408.20	2398.80	2393.25	2392.63	2392.64	2407.47	2420.19	2418.26	2417.13	2416.22
6	2412.88	2412.93	2408.07	2397.16	2393.35	2392.63	2392.64	2407.44	2420.61	2418.37	2417.16	2415.98
7	2412.89	2412.93	2407.82	2395.79	2392.90	2392.63	2392.64	2407.61	2420.60	2418.33	2417.19	2415.77
8	2412.90	2412.95	2407.60	2392.18	2393.27	2392.64	2392.64	2406.89	2421.13	2418.32	2417.25	2415.47
9	2412.89	2412.83	2407.51	2391.93	2393.25	2392.64	2392.64	2407.53	2421.14	2418.34	2417.26	2414.77
10	2412.89	2412.55	2407.35	2392.30	2392.55	2392.64	2392.64	2407.70	2421.19	2418.31	2417.20	2415.10
11	2412.87	2412.45	2407.21	2392.77	2392.55	2392.64	2392.64	2407.80	2421.10	2418.26	2416.98	2414.55
12	2412.89	2412.25	2406.95	2393.11	2392.63	2392.64	2392.64	2408.20	2421.05	2417.59	2417.36	2414.92
13	2412.84	2412.10	2406.85	2393.09	2392.63	2392.64	2392.64	2408.54	2420.89	2418.09	2417.41	2414.44
14	2412.88	2411.95	2406.70	2392.89	2393.18	2392.64	2392.64	2408.90	2420.78	2420.62	2417.42	2414.59
15	2412.93	2411.87	2406.54	2392.75	2392.57	2392.64	2391.00	2409.36	2420.57	2417.82	2417.49	2414.43
16	2412.93	2411.65	2406.40	2392.60	2392.58	2392.64	2391.00	2410.05	2420.38	2417.30	2417.55	2414.26
17	2412.83	2411.45	2406.38	2392.64	2392.80	2392.64	2391.00	2410.75	2420.13	2417.56	2417.56	2414.05
18	2412.86	2411.34	2406.27	2393.33	2392.60	2392.64	2391.00	2412.16	2419.84	2417.40	2417.60	2413.83
19	2412.63	2411.20	2406.04	2393.36	2392.94	2392.64	2391.00	2412.83	2419.74	2417.28	2417.66	2413.52
20	2412.89	2410.93	2405.86	2393.39	2392.68	2392.64	2391.00	2414.69	2419.64	2417.17	2417.73	2413.37
21	2412.89	2410.80	2405.37	2392.62	2392.68	2392.64	2391.00	2414.99	2419.26	2416.93	2417.61	2413.42
22	2412.89	2410.58	2405.10	2392.62	2392.70	2392.64	2399.62	2415.24	2419.16	2416.90	2417.77	2413.32
23	2412.88	2410.37	2404.80	2393.29	2392.68	2392.64	2402.18	2415.40	2418.90	2416.91	2417.84	2413.17
24	2412.89	2410.15	2404.50	2393.35	2392.68	2392.64	2404.04	2415.49	2418.77	2416.92	2417.89	2413.19
25	2412.94	2410.00	2404.20	2393.35	2392.68	2392.64	2405.90	2415.75	2418.47	2416.43	2417.71	2413.10
26	2412.92	2409.85	2403.95	2392.97	2392.68	2392.64	2407.86	2415.89	2418.35	2416.89	2417.65	2413.01
27	2412.92	2409.70	2403.70	2392.92	2392.56	2392.64	2404.01	2415.90	2418.25	2416.90	2417.71	2412.64
28	2412.92	2409.40	2403.40	2393.31	2392.64	2392.64	2404.71	2416.00	2418.05	2416.91	2417.60	2412.56
29	2412.93		2402.89	2393.35	2392.65	2392.64	2405.37	2415.93	2418.01	2416.95	2417.45	2413.01
30	2412.93		2402.51	2393.41	2392.64	2392.64	2405.81	2416.28	2417.88	2416.95	2417.32	2413.15
31	2412.95		2402.29		2392.64		2405.93	2416.33		2416.96		2412.90

2021

WATER SURFACE AREAS, SAN CARLOS RESERVOIR

Area in Acres

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2056	2065	1601	895	44	35	35	1353	2580	2674	2573	2591
2	2056	2069	1577	779	37	35	35	1373	2644	2701	2570	2564
3	2054	2062	1550	716	44	35	35	1408	2767	2705	2575	2534
4	2054	2062	1539	633	44	35	35	1441	2873	2703	2579	2504
5	2056	2062	1523	522	42	35	35	1458	2952	2720	2585	2476
6	2056	2062	1512	357	44	35	35	1455	3004	2733	2588	2447
7	2057	2062	1489	222	38	35	35	1471	3003	2729	2592	2422
8	2058	2065	1470	30	43	35	35	1406	3068	2727	2599	2386
9	2057	2049	1460	27	42	35	35	1463	3069	2730	2600	2300
10	2057	2013	1447	32	34	35	35	1479	3075	2726	2593	2341
11	2054	2000	1435	37	34	35	35	1488	3064	2720	2567	2271
12	2057	1974	1412	41	35	35	35	1523	3058	2640	2612	2319
13	2051	1955	1403	41	35	35	35	1554	3038	2700	2618	2257
14	2056	1936	1389	38	42	35	35	1586	3025	3005	2620	2277
15	2062	1925	1375	37	35	35	12	1627	2999	2668	2628	2256
16	2062	1897	1363	35	35	35	12	1690	3099	2605	2635	2234
17	2049	1872	1361	35	37	35	12	1781	3068	2636	2636	2207
18	2053	1857	1351	43	35	35	12	1963	2910	2617	2641	2178
19	2024	1839	1330	44	39	35	12	2178	2898	2603	2648	2138
20	2057	1804	1314	44	36	35	12	2289	2886	2614	2657	2119
21	2057	1787	1271	35	36	35	12	2328	2840	2561	2642	2125
22	2057	1759	1246	35	36	35	605	2358	2828	2557	2662	2113
23	2056	1732	1214	43	36	35	902	2377	2797	2558	2670	2093
24	2057	1703	1178	44	36	35	1123	2388	2781	2560	2676	2096
25	2064	1684	1142	44	36	35	1318	2419	2745	2501	2654	2084
26	2061	1671	1113	39	36	35	1493	2436	2731	2556	2647	2073
27	2061	1657	1083	39	35	35	1120	2557	2719	2557	2654	2025
28	2061	1630	1047	43	35	35	1203	2449	2695	2558	2641	2014
29	2062		987	44	36	35	1271	2441	2690	2563	2623	2073
30	2062		942	44	35	35	1310	2483	2675	2563	2608	2091
31	2065		915		35		1321	2489		2564		2058

2021

AVAILABLE STORED WATER, SAN CARLOS RESERVOIR

Storage in Acre-feet

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	19559	19703	12646	3798	81	50	50	8540	29337	31386	29183	29570
2	19559	19765	12217	2978	54	50	50	8854	30722	32004	29131	29003
3	19538	19662	11748	2582	79	50	50	9396	33508	32085	29234	28366
4	19538	19662	11562	2103	79	50	50	9923	35989	32058	29311	27736
5	19559	19662	11287	1468	74	50	50	10199	37911	32438	29441	27138
6	19559	19662	11090	747	79	50	50	10155	39162	32738	29518	26547
7	19579	19662	10714	352	60	50	50	10404	39132	32629	29596	26036
8	19600	19703	10389	35	75	50	50	9368	40741	32601	29752	25315
9	19579	19456	10228	28	74	50	50	10286	40772	32656	29778	23675
10	19579	18887	10024	39	47	50	50	10536	40925	32574	29622	24440
11	19538	18687	9823	55	47	50	50	10685	40649	32438	29054	23172
12	19579	18289	9452	68	50	50	50	11287	40496	30642	30038	24021
13	19476	17994	9312	68	50	50	50	11810	40008	31977	30169	22923
14	19559	17703	9102	60	71	50	50	12375	39675	39192	30195	23263
15	19662	17548	8881	54	48	50	10	13114	39042	31253	30379	22900
16	19662	17128	8690	49	48	50	10	14258	38475	29882	30537	22518
17	19456	16770	8662	50	56	50	10	15473	37734	30563	30563	22052
18	19518	16546	8513	78	49	50	10	18112	36886	30143	30669	21570
19	19049	16287	8205	79	62	50	10	21570	36595	29830	30827	20901
20	19579	15795	7967	80	52	50	10	23491	36306	29544	31013	20581
21	19579	15562	7334	50	52	50	10	24184	35218	28926	30695	20688
22	19579	15172	6994	50	53	50	1930	24769	34935	28849	31119	20476
23	19559	14805	6624	76	52	50	3852	25148	34203	28875	31306	20160
24	19579	14427	6266	79	52	50	5736	25363	33841	28900	31440	20202
25	19682	14173	5918	79	52	50	8019	25988	33012	27661	30960	20014
26	19641	13922	5636	63	52	50	10774	26328	32683	28824	30801	19827
27	19641	13672	5361	61	48	50	5703	26352	32411	28849	30960	19069
28	19641	13179	5042	77	50	50	6516	26596	31869	28875	30669	18907
29	19662		4523	79	51	50	7334	26425	31762	28977	30274	19827
30	19662		4157	81	50	50	7901	27287	31413	28977	29934	20118
31	19703		3952		50		8059	27411		29003		19600

2021

DAILY EVAPORATION, SAN CARLOS RESERVOIR

Acre-feet

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	13	20	21	26	1	1	1	32	46	32	28	11
2	12	11	21	15	1	1	1	33	34	31	29	17
3	16	27	22	16	1	1	1	34	43	32	24	18
4	15	23	22	14	1	1	1	41	54	30	26	13
5	23	26	24	10	1	1	1	36	61	39	25	17
6	19	26	23	13	1		1	36	57	30	28	18
7	18	11	18	7	1	1	1	37	54	37	27	16
8	22	21	21	1	1	1	1	34	57	17	21	10
9	25	14	18	1	1	1	1	24	56	39	23	16
10	30	21	19	1	1	1	1	28	53	38	25	11
11	27	19	17	1	1	1	1	26	50	51	26	17
12	18	22	15	1	1	1	1	31	48	31	25	10
13	23	16	6	1	1	1	1	30	64	48	24	14
14	21	21	13	1	1	1		15	63	35	25	9
15	41	9	13	1	1	1	1	31	68	38	26	4
16	33	19	9	1	1	1		39	57	41	26	6
17	30	19	11	1	1	1		30	49	32	26	12
18	29	17	15	1	1	1		16	92	43	26	13
19	13	15	19	1	1	1		18	50	33	25	15
20	29	26	18	1	1	1		38	56	37	20	5
21	7	21	28	1	1	1		41	60	10	20	8
22	19	17	20	1	1	1	5	43	59	29	34	7
23	11	19	1	1	1	1	8	52	31	31	20	18
24	14	21	19	1	1	1	7	47	53	21	22	5
25	17	22	14	1	1	1	12	49	35	42	26	6
26	8	20	11	1	1	1	14	51	12	55	22	12
27	10	24	16	1	1	1	34	59	25	39	18	10
28	16	22	16		1	1	26	53	28	23	20	10
29	12		16	1	1	1	23	53	48	28	23	4
30	10		19	1	1	1	23	54	28	25	8	5
31	27		19		1		30	126		27		42
Total	608	549	524	123	31	29	196	1,237	1,491	1,044	718	379

Total for the Year: 6,929 acre-feet

2021

DAILY RAINFALL, SAN CARLOS RESERVOIR

Acre-feet

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1									49			
2							1					
3								29				
4												
5												
6										152		
7												
8												55
9												
10								83				
11												
12												
13			13									29
14			19									45
15			37									
16				7								
17												
18		19										
19												
20		2										
21												
22												
23				43								
24		75		6								
25		146										
26		158										
27												20
28												51
29		17										31
30												17
31								331				
Total	417	37	88	1			131	914	759	152	49	477

Total for the Year: 3,025 ac-ft

2021

RAINFALL AT COOLIDGE DAM

Elevation approximately 2,550 feet

Inches

2021 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1									0.23			
2							0.43					
3							0.13	0.25				
4												
5												
6										0.67		
7												
8							0.07					
9								0.68				0.28
10												
11												
12			0.11				0.06					
13			0.16				1.33	0.34				0.15
14		0.23					0.08	0.04				0.24
15												
16			0.06				0.65	0.35	1.43			
17												
18	0.11							2.40	0.29			
19												
20	0.01											
21							0.64					
22							0.02		0.20			
23			0.42				0.32				0.22	0.54
24	0.44		0.06				0.67		0.35			0.77
25	0.85											
26	0.92								0.13			
27				0.06					0.09			0.12
28				0.21								0.30
29	0.10						0.09		0.47			0.18
30							0.09					0.10
31								1.60				
Total	2.43	0.23	0.81	0.27			4.58	5.66	3.19	0.67	0.22	2.68

Note: T-Trace

Total for Year : 20.74 inches

1956-2021

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	0.63	0.38	0.02		2.01	0.58	1.60	0.42	0.86	0.54	11.66
2004	1.65	0.76	2.29	1.39	0.00	0.38	0.35	1.78	0.40	1.09	0.72	2.44	13.25
2005	3.20	4.79	1.22	0.50	0.10	0.88	2.59	1.33	1.90	0.32	0.00	0.06	16.89
2006	0.06	0.00	1.70	0.36	0.00	0.12	4.66	1.71	0.63	2.87	0.11	0.33	12.55

1956-2021

MONTHLY RAINFALL AT COOLIDGE DAM

Inches

YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
2007	1.45	0.85	1.08	0.05	0.00	0.00	2.11	2.09	0.24	0.15	2.70	2.67	13.39
2008	2.60	1.89	0.70	0.00	1.41	0.00	2.49	3.80	0.10	0.06	0.91	2.23	16.19
2009	1.72	1.34	0.30	0.63	0.84	0.32	2.98	0.03	0.57		0.14	1.88	10.75
2010	5.99	2.05	1.30	0.20	0.00	0.05	2.92	1.17	0.47	0.82	0.05	2.10	17.12
2011	0.00	0.54	0.26	0.42	0.11	0.06	3.07	2.07	1.44	0.27	0.67	2.85	11.76
2012	0.85	0.17	0.72	0.38	0.00	0.00	4.05	1.69	2.49	0.00	0.57	2.59	13.51
2013	1.76	0.72	0.80	0.37	0.00	0.18	2.15	1.31	1.18	0.20	1.41	0.24	10.32
2014	0.00	0.11	0.96	0.06	0.00	0.00	2.08	1.93	2.77	1.21	0.00	2.12	11.24
2015	1.88	0.05	0.69	0.60	0.48	0.75	1.54	2.59	1.96	2.70	1.75	1.43	16.42
2016	2.52	0.00	0.01	0.55	0.25	0.71	1.20	1.31	1.75	0.84	2.79	3.07	15.00
2017	2.11	0.49	0.01	0.00	0.22	2.56	4.99	0.29	0.08	0.00	0.00	0.36	11.11
2018	0.35	2.23	0.07	0.00	0.23	0.41	3.03	1.84	0.42	3.34	0.56	1.39	13.87
2019	1.66	4.51	1.40	0.08	0.16	0.00	1.17	1.21	1.05	0.00	6.23	2.70	20.17
2020	1.14	2.32	2.10	0.00	0.24	0.00	1.35	1.06	0.00	1.01	0.33	0.36	9.91
2021	2.43	0.23	0.81	0.27	0.00	0.00	4.58	5.66	3.19	0.67	0.22	2.68	20.74

BROWN & BROWN LAW OFFICES P.C.
A PROFESSIONAL CORPORATION OF ATTORNEYS

POST OFFICE BOX 1890
128 EAST COMMERCIAL
ST. JOHNS, AZ 85936
(928) 337-4225
CONTACTUS@B-B-LAW.COM

DAVID A. BROWN
J ALBERT BROWN
AMY BROWN
GARRETT PERKINS
OF COUNSEL DOUGLAS E. BROWN

February 11, 2022

VIA CERTIFIED MAIL

Secretary of Interior
Department of Interior
1849 C Street NW
Washington, D.C. 20240

Regional Director
Bureau of Reclamation
Lower Colorado Region
P.O. Box 427
Boulder City, NV 89005

Department of Interior
Bureau of Indian Affairs
2600 N. Central Ave., 4th Floor
Phoenix, AZ 85004

Acting General Counsel
Gila River Indian Community
P.O. Box 97
Sacaton, AZ 85747

General Manager & General
Counsel
San Carlos Irrigation & Drainage
District
P.O. Box 218
Coolidge, AZ 85228

Lawrence Marquez
Arizona Water Settlements
Bureau of Reclamation
Phoenix Area Office
6150 West Thunderbird Road
Glendale, AZ 85306-4001

Governor
Gila River Indian Community
P.O. Box 97
Sacaton, AZ 85747

Patricia A. Doyle
Gila Water Commissioner
P.O. Box 152
Safford, AZ 85548

Re: 2021 annual report

February 11, 2022

Page 2

Re: 2021 Annual Report

Dear Sir or Madam:

Pursuant to subparagraph 6.4 of the UV Forbearance Agreement, enclosed please find a copy of a report prepared on behalf of the Gila Valley and Franklin Irrigation Districts entitled "Arizona Irrigation Districts Provisional Annual Total Water Use 2021."

Sincerely,



David A. Brown
J A. Brown
Garrett Perkins
BROWN & BROWN LAW
OFFICES, P.C.

DAB/lv
Enclosure

cc by email: Lorraine Hollingsworth - lhollingsworth@domenicilaw.com
Douglas Behm - dbehm@behmlaw.com
Merrill Godfrey - mgodfrey@akingump.com



Arizona Irrigation Districts
Provisional Annual Total Water Use 2021

Franklin Irrigation District

TBI Acres	2,653.80
Surface Water (AF)	
January	146.67
February	165.30
March	823.63
April	548.03
May	61.82
June	0.00
July	42.72
August	587.70
September	365.32
October	231.56
November	259.04
December	42.74
Total Surface Water	<u>3,274.53</u>
Pumped Water (AF)	
Quarter 1	843.67
Quarter 2	4,526.34
Quarter 3	2,279.87
Quarter 4	364.09
Total Pumped Water	<u>8,013.97</u>
Total Water (AF)	<u>11,288.50</u>
Water Duty (AF/A)	<u>4.25</u>

Gila Valley Irrigation District

TBI Acres	21,929.53
Surface Water (AF)	
January	123.00
February	272.00
March	5,993.00
April	3,735.00
May	1,097.00
June	1,017.00
July	5,605.00
August	12,133.00
September	5,168.00
October	1,670.00
November	1,735.00
December	6,340.00
Total Surface Water	<u>44,888.00</u>
Pumped Water (AF)	
Quarter 1	13,613.18
Quarter 2	33,427.18
Quarter 3	20,560.75
Quarter 4	1,647.17
Total Pumped Water	<u>69,248.28</u>
Total Water (AF)	<u>114,136.28</u>
Water Duty (AF/A)	<u>5.20</u>

Arizona Irrigation District Totals

TBI Acres	24,583.33
Surface Water (AF)	48,162.53
Pumped Water (AF)	77,262.25
Total Water (AF)	125,424.78
Water Duty (AF/A)	<u>5.10</u>