

Eighty Fifth 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

**2020**



# **EIGHTY FIFTH ANNUAL REPORT**

**2020**

DISTRIBUTION OF WATERS OF THE GILA RIVER

By the

**GILA WATER COMMISSIONER**

Patricia A. Doyle

To the

UNITED STATES DISTRICT COURT

Safford, Arizona  
December 9, 2021

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

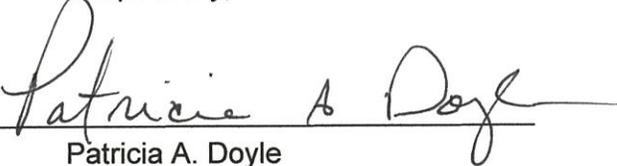
No. CV 31-0059-TUC-SHR  
aka Globe Equity No. 59

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

Dear Judge Rash:

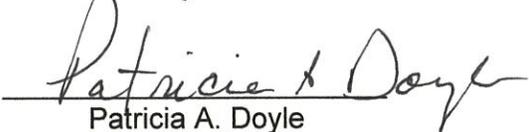
I submit herewith the Eighty-Fifth Annual Report in the above-entitled cause on distribution of waters of the Gila River, tabulation of hydro logic data, and analysis of expenditures and collections for the calendar year 2020.

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 2020, 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 2020.

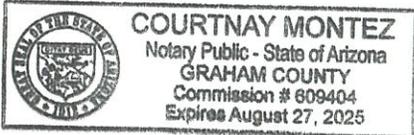
  
\_\_\_\_\_  
Patricia A. Doyle  
Gila Water Commissioner

Subscribed and sworn to before me this 9 day of December, 2021.



Notary Public

My commission expires: Aug 27, 2025



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## Office Of The Gila Water Commissioner

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

### PERSONNEL

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

### 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 Acting 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 Cospers Crossing, in Duncan Valley, Arizona, is monitored daily, during periods that the Gila River is at low flow. The observer of Cospers 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:

<u>San Carlos Project</u>	<u>Acres</u>
San Carlos Irrigation & Drainage District	50,000.00
Indian Lands	50,000.00
Natural Flow Lands	1,544.50
Federal Agencies	546.00
	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, 2020, Stored water in the San Carlos Reservoir:	42,887	ac-ft
December 31, 2020 Stored water in San Carlos Reservoir:	19,538	ac-ft
Percent of total capacity.	2.27%	ac-ft

Apportioned to the Upper Valleys, (Franklin and Safford Valley), 6.17 ac-ft  
 A total of 6.17 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. 0.82 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: 256,101 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.

## 2020 WATER SUPPLY

Total flow of the Gila River, as recorded at Gila River at Head of Safford Valley Near Solomon:	264,640 ac-ft
Total Inflow into the San Carlos Reservoir from the Gila River and the San Carlos River	253,824 ac-ft
Total water spilled and sluiced at Ahsurt-Hayden Dam:	5,120 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
11/19/19	WET	REPORTED				
06/05/20	DRY	REPORTED				
12/31/20	WET	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:

2020	Gila River below Blue Creek (good)*	San Francisco River at Clifton (good)*	Total	Gila at Calva (poor)*	Consumptive use	Accumulated Consumptive use
Jan.	17,742	19,416	37,158	31,569	5,589	5,589
Feb.	29,586	29,923	59,509	48,760	10,749	16,338
Mar.	44,609	52,220	96,829	100,909	-4,080	12,258
Apr.	19,841	18,224	38,065	34,904	3,161	15,419
May	6,950	5,229	12,179	9,579	2,600	18,019
Jun.	1,045	1,223	2,268	1,821	447	18,466
Jul.	685	1,127	1,812	416	1,396	19,862
Aug.	744	1,832	2,576	237	2,339	22,201
Sep.	329	980	1,309	68	1,241	23,442
Oct.	506	1,089	1,595	0	1,595	25,037
Nov.	2,245	2,004	4,249	0	4,249	29,286
Dec.	4,296	2,548	6,844	204	6,640	35,926
<b>TOTALS</b>	128,578	135,815	264,393	228,467	35,926	35,926

# UPPER VALLEYS 2020 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.

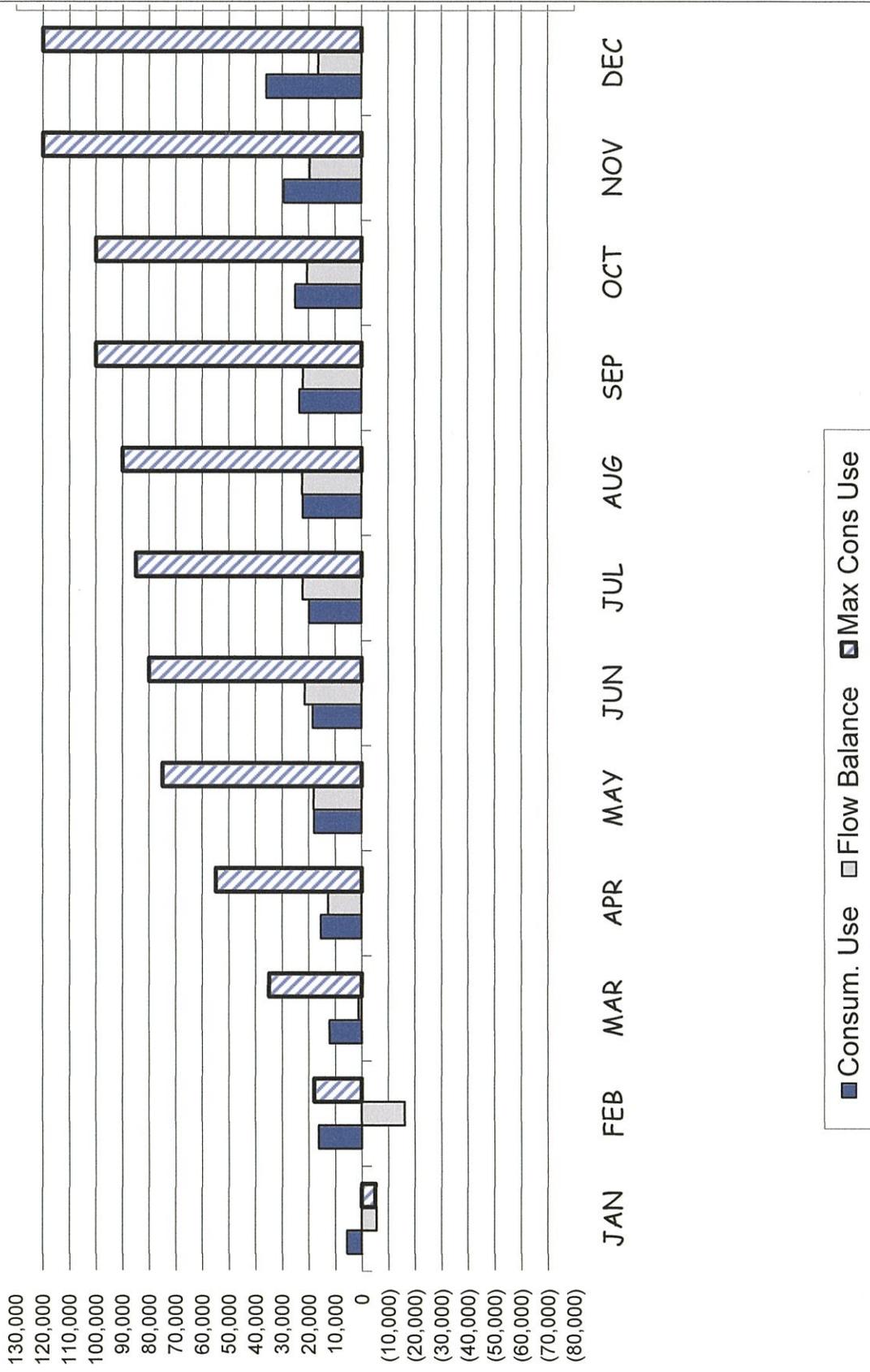
THIS TRACKING METHOD HAS NOT BEEN ADOPTED AS THE ONLY INDICATOR OR GUIDELINE IN PROJECTING  
ACTUAL CONSUMPTIVE USE under the Gila Decree

Input data rounded to USGS standards - IN ACRE-FEET

2020 MONTH	CONSUMPTIVE USE		UPPER VALLEYS and San Carlos Apache Tribe		HEAD OF SAFFORD VALLEY		FLOW BALANCE					ACCUM. FLOW BALANCE	TOTAL INFLOW Gila + SF	MAXIMUM CONSUMPTIVE USE RECOMMENDED	
	RESULT	ACCUM. RESULT	DIVERSIONS	ACCUM DIV'S	GILA RIVER FLOW	GILA R. ACCUM FLOW	FLOW BALANCE	GILA CALVA	GILA VIRDEN	SAN FRANCISCO CLIFTON	DIV'S				Flow Bal
JAN	5,589	5,589	30	30	38,426	38,426	(5,559)	31,569	17,742	19,416	30	-5,559	37,158	75,000	
FEB	10,749	16,338	162	192	57,674	96,100	(10,587)	48,760	29,586	29,923	162	-16,146	59,509	75,000	
MAR	-4,080	12,258	13,264	13,456	95,849	191,949	17,344	100,909	44,609	52,220	13,264	1,198	96,829	75,000	
APR	3,161	15,419	14,671	28,127	38,329	230,278	11,510	34,904	19,841	18,224	14,671	12,708	38,065	75,000	
MAY	2,600	18,019	8,043	36,170	11,455	241,733	5,443	9,579	6,950	5,229	8,043	18,151	12,179	75,000	
JUN	447	18,466	3,793	39,963	3,144	244,877	3,346	1,821	1,045	1,223	3,793	21,497	2,268	80,000	
JUL	1,396	19,862	2,171	42,134	2,587	247,464	775	416	685	1,127	2,171	22,272	1,812	85,000	
AUG	2,339	22,201	2,587	44,721	2,715	250,179	248	237	744	1,832	2,587	22,520	2,576	90,000	
SEP	1,241	23,442	879	45,600	2,432	252,611	(362)	68	329	980	879	22,158	1,309	100,000	
OCT	1,595	25,037	33	45,633	2,719	255,330	(1,562)	0	506	1,089	33	20,596	1,595	100,000	
NOV	4,249	29,286	3,283	48,916	4,170	259,500	(966)	0	2,245	2,004	3,283	19,630	4,249	120,000	
DEC	6,640	35,926	3,417	52,333	5,141	264,641	(3,223)	204	4,296	2,548	3,417	16,407	6,844	120,000	
TOTALS	35,926		52,333		264,641		16,407	228,467	128,578	135,815	52,333	264,393			
Graph	Consum. Use		Diversions		Graph										

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

## 2020 CONSUMPTIVE USE RECOMMENDATIONS Vs CUMULATIVE FLOW BALANCE



■ Consum. Use  
  Flow Balance  
  Max Cons Use

# 2020

## 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	17742	29586	44609	19841	6951	1045	685	744	329	506	2245	4296	128578
Duncan Valley Diversions	0	52	1072	2445	2384	776	109	0	209	0	483	199	7729
Gila River near Clifton	16290	27228	41782	16598	5617	1552	1575	1105	1257	1360	1455	1604	117424
San Fran. River @ Clifton	19416	29923	52220	18224	5229	1223	1127	1832	980	1088	2004	2548	135814
Gila Solomon	38426	57674	95849	38329	11455	3144	2587	2715	2432	2719	4170	5141	264640
Safford Valley Diversions	30	110	12190	12226	5659	3016	2062	2587	671	33	2801	3219	44604
San Carlos Agency Divs.	0	0	0	0	0	0	0	0	0	0	0	0	0
Gila Calva	31569	48760	100909	34904	9579	1821	416	237	68	0	0	204	228466
San Carlos R. @ Peridot	5436	2590	16361	817	141	6	0	0	0	0	0	0	25353
Stored Water	0	0	0	2811	20872	31139	36726	34039	20730	9912	1365	5220	162813
Gila Below Coolidge Dam	267	3584	8493	22255	30590	32964	37143	34277	20795	9912	1365	5359	207003
Winkelman Divs. (Indust)	396	379	352	748	583	583	674	636	490	525	533	427	6326
Winkelman Divs. (Ag.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Gila River @ Kelvin	1311	4674	11743	21465	27231	30236	37528	32912	20825	9768	2199	5949	205841
A-H Diversions	0	4610	12154	21788	26580	29463	34864	31121	20628	10025	437	5772	197442
A-H Spilled	1527	494	1263	0	323	0	0	89	30	413	555	426	5120
A-H Sluiced	0	0	0	0	0	0	0	0	0	0	0	0	0
A-H Total	1527	5104	13417	21788	26903	29463	34864	31210	20658	10438	992	6198	202562
Loss Kelvin to A-H	216	430	1674	323	-328	-773	-2664	-1702	-167	670	-1207	249	-3279
Sacaton Diversions													0

### SUMMARY OF THE GILA RIVER SYSTEM

Quantities in Acre-feet

#### NATURAL FLOW FROM THE GILA RIVER AND TRIBUTARIES

**2020**

Gila River Below Blue Creek .....	128,578
San Francisco River at Clifton .....	135,814
San Carlos River near Peridot .....	25,353
Gain from Gila Below Coolidge Dam to Gila at Kelvin .....	-1,162

#### INFLOWS, SAN CARLOS RESERVOIR

Gila River at Calva plus San Carlos River near Peridot .....	253,820
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#### GILA RIVER BELOW COOLIDGE DAM

207,003

#### CONTENTS IN STORAGE, SAN CARLOS RESERVOIR

Available contents January 1, 2020 .....	42,887
Available contents December 31, 2020.....	19,538

#### WATER DIVERTED FROM THE GILA RIVER

Duncan-Virden Valley canal diversions .....	7,729
Safford Valley canal diversions .....	44,604
San Carlos Apache Tribe .....	0
Winkelman Valley Agricultural diversions .....	0
<b>Winkelman Valley industrial and municipal pumps</b>	
ASARCO Incorporated .....	6,023
Town of Kearny .....	303
<b>San Carlos Project</b>	
Natural flow Ashurst-Hayden Dam .....	54,866
Stored water Ashurst-Hayden Dam .....	142,576
Natural flow Sacaton Dam .....	0
<b>TOTAL DIVERSIONS</b> .....	<b>256,101</b>

#### SPILLED AND SLUICED ASHURT- HAYDEN DAM

5,120

# SAN CARLOS RESERVOIR (SCR)

January 1, 2020 available stored water in the SCR acre-feet. (Plate 48)	43,648	ac-ft
Maximum storage for the year was April 17, 2020 (Plate 48)	207,834	ac-ft
Computed evaporation from the surface of the SCR (Plate 49)	32,485	ac-ft
Computed annual rainfall on SCR (Plate 50)	3,634	ac-ft
Computed bank storage for SCR (Plate 44).	45,680	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 2020

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:

Apportionment	Effective	Reservoir Available	Adjusted T.B.I.	Apportionment	Re-Allocation	Accumulated
1	01/01/20	34,891	10,357.72	3.37		3.37
Reallocation No. 1 of 1	04/18/20	38,242	26,590.69		1.94	1.43
2	04/18/20	125,946	26,590.69	4.74		6.17

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	04/14/20	100,546.00	0.270	0.270		0.82
<b>TOTAL</b>						0.82

## 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, 2020	1
January 31, 2020	1
February 28, 2020	1
March 31, 2020	1
April 30, 2020	1
May 31, 2020	1
June 30, 2020	1
July 31, 2020	0
August 31, 2020	0
September 30, 2020	0
October 31, 2020	0
November 30, 2020	0
December 31, 2020	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:

<b>2020</b>	<b>NET BLACK RIVER WATER PUMPED</b>	<b>NET UPPER EAGLE CREEK WATER PUMPED</b>	<b>TOTAL IMPORTED WATER PUMPED</b>	<b>TOTAL FMI PUMPING FROM S. F. RIVER &amp; EAGLE CREEK BASIN</b>	<b>TOTAL GILA WATERS PUMPED BY FREEPORT McMORAN</b>
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
<b>TOTALS</b>	<b>7,598</b>	<b>11,751</b>	<b>19,349</b>	<b>18,304</b>	<b>2,482</b>
By-pass					
<b>TOTAL</b>					<b>2,482</b>

## **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 2020 have been supplied to the Water Commissioner and summarized on Plate 5 of the 2020 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 2020. 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 2020**

The Seasonal Average Salinity on October 31, 2020 was 3,711 uS/cm. Daily data in support of the above figures can be found in the Water Commissioner's 2020 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  
2020**

The following table for the year 2020 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.

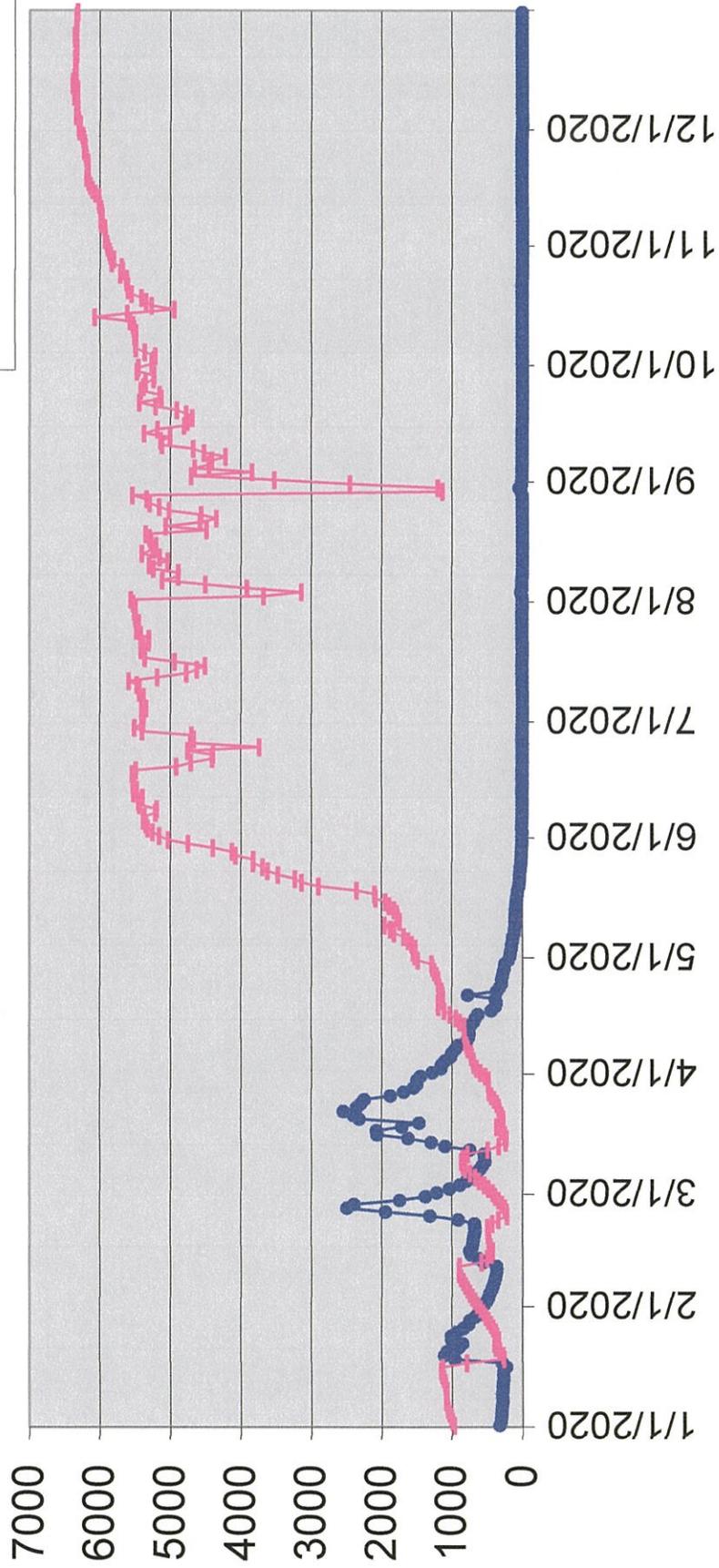
**GERONIMO STATION WATER QUALITY REPORT**  
**COMPARISON OF ELECTRIC CONDUCTIVITY TO FLOW**  
**DAILY AVERAGE**

Date:	Flow	EC									
	Cfs	MicroS-cm									
1-Jan	328	966	1-Apr	1280	596	1-Jul	3	5409	1-Oct	2	5269
2-Jan	309	993	2-Apr	1160	651	2-Jul	3	5383	2-Oct	2	5242
3-Jan	306	1010	3-Apr	1150	687	3-Jul	3	5412	3-Oct	2	5219
4-Jan	300	1034	4-Apr	1100	697	4-Jul	3	5346	4-Oct	2	5365
5-Jan	294	1054	5-Apr	1020	720	5-Jul	3	5396	5-Oct	2	5495
6-Jan	291	1063	6-Apr	1000	731	6-Jul	3	5412	6-Oct	1	5498
7-Jan	284	1084	7-Apr	953	769	7-Jul	2	5384	7-Oct	1	5490
8-Jan	284	1084	8-Apr	906	785	8-Jul	2	5441	8-Oct	1	5510
9-Jan	286	1071	9-Apr	795	812	9-Jul	7	5444	9-Oct	1	5491
10-Jan	281	1068	10-Apr	765	813	10-Jul	6	5478	10-Oct	1	5518
11-Jan	281	1086	11-Apr	753	822	11-Jul	6	5592	11-Oct	1	5532
12-Jan	276	1096	12-Apr	757	821	12-Jul	7	5189	12-Oct	1	5577
13-Jan	268	1116	13-Apr	740	825	13-Jul	10	4775	13-Oct	1	6075
14-Jan	270	1136	14-Apr	694	890	14-Jul	9	4628	14-Oct	1	5614
15-Jan	266	1156	15-Apr	672	945	15-Jul	10	4513	15-Oct	1	4944
16-Jan	231	1130	16-Apr	640	1029	16-Jul	6	4943	16-Oct	1	5269
17-Jan	289	785	17-Apr	449	1113	17-Jul	5	5366	17-Oct	1	5345
18-Jan	962	259	18-Apr	392	1195	18-Jul	4	5364	18-Oct	1	5412
19-Jan	1110	276	19-Apr	376	1200	19-Jul	4	5422	19-Oct	1	5551
20-Jan	1070	323	20-Apr	390	1131	20-Jul	4	5388	20-Oct	1	5603
21-Jan	905	377	21-Apr	780	1138	21-Jul	3	5312	21-Oct	1	5607
22-Jan	854	397	22-Apr	369	1148	22-Jul	5	5303	22-Oct	1	5623
23-Jan	1009	341	23-Apr	330	1181	23-Jul	7	5422	23-Oct	1	5628
24-Jan	1015	366	24-Apr	300	1197	24-Jul	8	5483	24-Oct	1	5712
25-Jan	937	387	25-Apr	300	1201	25-Jul	7	5464	25-Oct	1	5682
26-Jan	842	419	26-Apr	288	1220	26-Jul	8	5448	26-Oct	1	5698
27-Jan	770	454	27-Apr	275	1254	27-Jul	5	5490	27-Oct	1	5838
28-Jan	750	488	28-Apr	260	1279	28-Jul	6	5497	28-Oct	1	5807
29-Jan	671	523	29-Apr	255	1290	29-Jul	5	5513	29-Oct	1	5854
30-Jan	625	556	30-Apr	204	1487	30-Jul	4	5494	30-Oct	1	5871
31-Jan	600	596	1-May	182	1530	31-Jul	3	5529	31-Oct	1	5895
1-Feb	550	642	2-May	172	1556	1-Aug	3	5560	1-Nov	1	5904
2-Feb	510	679	3-May	160	1521	2-Aug	5	3681	2-Nov	1	5933
3-Feb	486	711	4-May	157	1571	3-Aug	22	3138	3-Nov	1	5928
4-Feb	468	744	5-May	144	1623	4-Aug	9	3916	4-Nov	1	5930
5-Feb	442	778	6-May	138	1685	5-Aug	8	4504	5-Nov	1	5935
6-Feb	421	809	7-May	120	1824	6-Aug	5	5115	6-Nov	1	5985
7-Feb	404	836	8-May	113	1877	7-Aug	3	4887	7-Nov	1	5993
8-Feb	387	871	9-May	103	1957	8-Aug	3	4892	8-Nov	1	5969
9-Feb	373	897	10-May	106	1742	9-Aug	3	5241	9-Nov	1	5977
10-Feb	365	898	11-May	106	1773	10-Aug	2	5303	10-Nov	1	5989
11-Feb	370	889	12-May	103	1786	11-Aug	2	5039	11-Nov	5	6011
12-Feb	550	580	13-May	101	1824	12-Aug	2	5155	12-Nov	5	6020
13-Feb	629	502	14-May	95	1893	13-Aug	2	5409	13-Nov	5	6020
14-Feb	727	436	15-May	90	1946	14-Aug	2	5246	14-Nov	5	6070
15-Feb	750	425	16-May	80	2086	15-Aug	2	5206	15-Nov	5	6109
16-Feb	717	455	17-May	75	2100	16-Aug	2	5280	16-Nov	5	6141
17-Feb	707	472	18-May	69	2354	17-Aug	1	5298	17-Nov	5	6164
18-Feb	700	483	19-May	53	2894	18-Aug	1	5353	18-Nov	5	6192
19-Feb	690	490	20-May	45	3135	19-Aug	1	4493	19-Nov	5	6179
20-Feb	680	498	21-May	42	3231	20-Aug	1	5068	20-Nov	5	6174
21-Feb	680	501	22-May	38	3473	21-Aug	1	4581	21-Nov	5	6169
22-Feb	685	430	23-May	35	3621	22-Aug	2	4350	22-Nov	5	6173
23-Feb	915	345	24-May	32	3697	23-Aug	2	4568	23-Nov	5	6190
24-Feb	1320	222	25-May	25	3830	24-Aug	2	5018	24-Nov	5	6199
25-Feb	1950	230	26-May	23	3828	25-Aug	2	5161	25-Nov	5	6224
26-Feb	2500	254	27-May	21	4078	26-Aug	2	5298	26-Nov	5	6208
27-Feb	2400	296	28-May	19	4130	27-Aug	2	5339	27-Nov	5	6216
28-Feb	1750	341	29-May	17	4403	28-Aug	2	5541	28-Nov	5	6232
29-Feb	1380	389	30-May	13	4752	29-Aug	20	1134	29-Nov	4	6247
1-Mar	1220	424	31-May	10	5034	30-Aug	50	1199	30-Nov	3	6290
2-Mar	1040	485	1-Jun	11	5161	31-Aug	12	2448	1-Dec	3	6305
3-Mar	891	544	2-Jun	7	5254	1-Sep	6	3525	2-Dec	4	6282
4-Mar	794	615	3-Jun	15	5327	2-Sep	5	4705	3-Dec	4	6307
5-Mar	727	672	4-Jun	12	5350	3-Sep	5	3846	4-Dec	4	6345
6-Mar	667	740	5-Jun	10	5386	4-Sep	5	4656	5-Dec	5	6332
7-Mar	609	812	6-Jun	8	5372	5-Sep	4	4455	6-Dec	5	6317
8-Mar	572	842	7-Jun	5	5213	6-Sep	4	4415	7-Dec	5	6335
9-Mar	534	867	8-Jun	8	5193	7-Sep	2	4221	8-Dec	5	6322
10-Mar	538	842	9-Jun	5	5440	8-Sep	1	4525	9-Dec	5	6370
11-Mar	544	776	10-Jun	7	5455	9-Sep	2	4677	10-Dec	5	6364
12-Mar	750	492	11-Jun	9	5394	10-Sep	2	5121	11-Dec	5	6318
13-Mar	1100	336	12-Jun	6	5522	11-Sep	2	5140	12-Dec	5	6392
14-Mar	1300	236	13-Jun	6	5477	12-Sep	2	5003	13-Dec	5	6386
15-Mar	1630	229	14-Jun	4	5530	13-Sep	2	5373	14-Dec	5	6367
16-Mar	2070	254	15-Jun	4	5520	14-Sep	3	5185	15-Dec	5	6342
17-Mar	2080	305	16-Jun	5	5533	15-Sep	3	4807	16-Dec	5	6352
18-Mar	1720	371	17-Jun	4	5543	16-Sep	3	4761	17-Dec	7	6355
19-Mar	1470	277	18-Jun	5	5489	17-Sep	3	4692	18-Dec	6	6343
20-Mar	2325	280	19-Jun	4	4916	18-Sep	3	4781	19-Dec	6	6356
21-Mar	2410	300	20-Jun	4	4712	19-Sep	2	4912	20-Dec	7	6334
22-Mar	2550	330	21-Jun	4	4408	20-Sep	2	5213	21-Dec	7	6333
23-Mar	2360	341	22-Jun	3	4398	21-Sep	2	5443	22-Dec	7	6326
24-Mar	2300	368	23-Jun	3	4756	22-Sep	2	5131	23-Dec	7	6342
25-Mar	2250	404	24-Jun	3	3740	23-Sep	2	5156	24-Dec	7	6357
26-Mar	1880	443	25-Jun	3	4714	24-Sep	2	5426	25-Dec	7	6362
27-Mar	1690	476	26-Jun	5	4668	25-Sep	2	5389	26-Dec	7	6339
28-Mar	1550	477	27-Jun	4	4700	26-Sep	2	5360	27-Dec	8	6330
29-Mar	1500	484	28-Jun	3	5401	27-Sep	2	5242	28-Dec	7	6328
30-Mar	1500	481	29-Jun	3	5513	28-Sep	2	5235	29-Dec	7	6338
31-Mar	1450	528	30-Jun	2	5383	29-Sep	2	5478	30-Dec	8	6332
						30-Sep	2	5459	31-Dec	8	6317

# 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 2020, 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 2020.

## 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 2020), 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 2020.

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	41.13	7.74	13.29	0.00	0.00	0.00	0.00	21.03
Safford Valley	486.75	205.62	2.25	0.65	15.92	31.59	1.90	257.93
Lower Valley SCIDD	19.20	4.11	0.00	0.00	0.00	1.00	0.00	5.11
<b>TOTAL</b>	<b>547.08</b>	<b>217.47</b>	<b>15.54</b>	<b>0.65</b>	<b>15.92</b>	<b>32.59</b>	<b>1.90</b>	<b>284.07</b>

The percent of Small Parcel TBI decreed lands irrigated in 2020 was 51.9 percent of the total Small Parcel decreed lands submitted to the Commissioner’s Office in 2020.

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

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

8  
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" (TBI)**  
**REGULATIONS IN CALENDAR**  
**YEAR 2020**

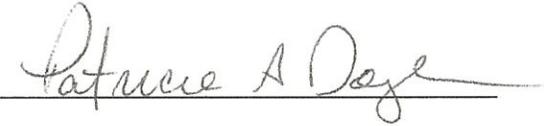
19  
20  
21 The Court in its Final Memorandum and Order dated September 18, 1992 and  
22 Phase IV Memorandum and Order dated April 14, 1995, ordered that TBI regulations be  
23 adopted. The TBI Regulations were approved and adopted by the court by order dated  
24 June 3, 1996. These Regulations require 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 2020 were determined and resolved as follows:

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

11 Respectfully submitted this 3rd day of August 2021.

12   
13

14 Patricia A. Doyle  
15 Gila Water Commissioner  
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### 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 2020:

#### Franklin Valley Irrigation District (FID):

2020 Decreed acreage reported:	6,723.06
2020TBI acreage reported:	4,672.33
TBI acreage audited:	766.90
Percentage of TBI acreage audited for 2020:	16.41%
Crop Audit conducted twice annually	100%

#### 2020 Pivots:

Parcel 5003500 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 18 (NWNE)	Affidavit Letter, No Violation
19S 20W 18 (SENW)	Affidavit Letter, No Violation

Audit resulted in 0.00 acres in possible violation.

#### Gila Valley Irrigation District (GVID):

2020 Decreed acreage reported:	31,344.58
2020 TBI acreage reported:	22,604.53
TBI acreage audited:	3,896.10
Percentage of TBI acreage audited for 2020:	17.24%
Crop Audit conducted twice annually	100%

Audit resulted in 0.00 acres in possible violation.

**San Carlos Irrigation & Drainage District (SCIDD):**

2020 Decreed acreage reported:	50,000.00
2020 TBI Acreage reported:	12,407.41
TBI acreage audited:	2,222.09
Percentage of TBI acreage audited for 2020:	17.91%

Due to Covid-19 restrictions SCIDD was not physically audited. Water card audit resulted in 0.00 acres in possible violation.

**Gila River Indian community (GRIC):**

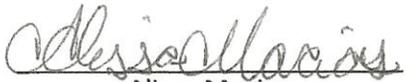
2020 Decreed acreage reported:	50,546.00
2020 TBI acreage reported:	17,468.48
TBI acreage audited:	0
Percentage of TBI acreage audited for 2020:	0%

Due to Covid-19 restrictions GRIC was not physically audited.

**San Carlos Apache Tribe (SCAR):**

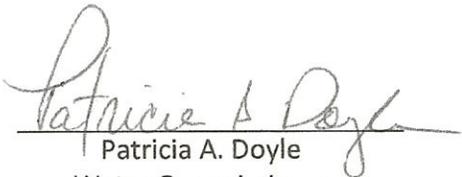
2020 Decreed acreage reported:	1,000.00
2020 TBI acreage reported:	71.00
TBI acreage audited:	71.00
Percentage of TBI acreage audited for 2020:	100%

Audit resulted in 0.00 acres in possible violation.



Alissa Macias  
Water Specialist II

8/3/21  
Date



Patricia A. Doyle  
Water Commissioner

8/3/21  
Date

# 2020

## 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>
1/24/2020	Order Approving Joint Motion Daley
3/5/2020	Order of Forfeiture and Abandonment FMI
3/5/2020	Order of GRIC Motion of Summary Judgement / Denying FMI Response and Cross Motion
4/1/2020	Order of Approval of GWC Attorney Doug Behm
4/16/2020	Order Approving Amend Joint Motion Daley
4/23/2020	Order Goodwin Wash and 5 Wells
4/30/2020	Order of Forfeiture and Abandonment FMI
4/30/2020	Order of Abandonment FMI
5/12/2020	Order of Vacating Deadlines
6/24/2020	Order of Abandonment FMI
7/15/2020	Order of Reassigning of Judge
8/28/2020	Order of Denying Transfer of 99 Ranch
10/5/2020	Order of Approval of GWC Report to Court on Database

**2020**  
**FINANCIAL STATEMENT**  
**WATER COMMISSIONER'S ACCOUNT**  
**RECEIPTS**

<u>Plaintiffs</u>	General	Settlement	Totals	
San Carlos Irrigation Project	\$564,560.00	\$92,902.36	\$657,462.36	
San Carlos Agency	\$5,530.00		\$5,530.00	
Gila Crossing	\$16,548.53	\$2,723.18	\$19,271.71	
	<u>\$ 586,638.53</u>	<u>\$ 95,625.54</u>	<u>\$ 682,264.07</u>	\$682,264.07
<u>Defendants</u>				
Gila Valley Irrigation District	\$167,917.45	\$27,631.99	\$195,549.44	
Franklin Irrigation District	\$19,194.69	\$3,158.62	\$22,353.31	
Sunset Ditch Company	\$13,269.51	\$2,183.59	\$15,453.10	
Model Canal Company	\$2,301.59	\$378.74	\$2,680.33	
ASARCO	\$6,676.76		\$6,676.76	
Town of Kearny	\$562.57		\$562.57	
York Valley & Winkelman Valley	\$1,205.51		\$1,205.51	
	<u>\$211,128.08</u>	<u>\$33,352.94</u>	<u>\$244,481.02</u>	\$244,481.02
Miscellaneous Receipts	\$0.00		\$0.00	
Interest Income	\$234.29		\$234.29	
Supplemental Reports	\$25.00		\$25.00	
Esri Refund	\$430.82		\$430.82	
	<u>\$690.11</u>		<u>\$690.11</u>	\$690.11
		<u>Total Receipts</u>		<u>\$927,435.20</u>

<u>DISBURSEMENTS</u>				
	General	Settlement	Totals	
<u>Personnel</u>				
Patricia A. Doyle	\$96,663.00	\$8,000.00	\$104,663.00	
Paul Curtis	\$83,318.54	\$15,000.00	\$98,318.54	
Casey Windsor	\$58,765.00	\$10,500.00	\$69,265.00	
Alissa Macias	\$51,881.00	\$7,500.00	\$59,381.00	\$331,627.54
<u>Employer taxes and contributions</u>				
Federal Unemployment Tax	\$1,680.00		\$1,680.00	
Medicare	\$4,603.65		\$4,603.65	
Social Security	\$20,594.87		\$20,594.87	\$26,878.52
<u>Overtime Weekend</u>				
Casey Windsor	\$3,440.75		\$3,440.75	
Alissa Macias	\$3,665.13		\$3,665.13	
	<u>7,105.88</u>		<u>\$7,105.88</u>	\$7,105.88
<u>Employee Benefit Plan</u>				
Retirement	\$20,038.76		\$20,038.76	
Medical Insurance	\$74,119.79		\$74,119.79	
Copper Point Workman's Comp	\$10,332.00		\$10,332.00	
Yearly Pension Plan Administration	1,696.35		\$1,696.35	
Charles Whetstine	864.00		\$864.00	
	<u>\$107,050.90</u>		<u>\$107,050.90</u>	\$107,050.90
<u>Travel plus Allowance</u>				
Patricia A. Doyle	\$1,488.55	\$0.00	\$1,488.55	
Paul Curtis	\$1,710.49	\$0.00	\$1,710.49	
Casey Windsor	\$2,303.94	\$34.80	\$2,338.74	
Alissa Macias	\$1,237.12	\$167.04	\$1,404.16	
	<u>\$6,740.10</u>	<u>\$201.84</u>	<u>\$6,941.94</u>	\$6,941.94
<u>Attorney Fees</u>				
Doug Behm	\$67,110.30		\$67,110.30	
Brent F. Moody	\$39,000.00	\$0.00	\$39,000.00	\$106,110.30
<u>Geronimo Station expenses</u>				
	<u>\$2,888.81</u>		<u>\$2,888.81</u>	
<u>Joint Funding (Stream flow records)</u>				
	<u>\$166,275.00</u>		<u>\$166,275.00</u>	
<u>Univeristy of Arizona</u>				
		<u>\$2,600.00</u>	<u>\$2,600.00</u>	\$171,763.81
<u>Capital Purchases</u>				
Computer and Software	\$1,288.97		\$1,288.97	
Database	\$1,780.00	\$5,868.96	\$7,648.96	
	<u>\$3,068.97</u>	<u>\$5,868.96</u>	<u>\$8,937.93</u>	\$8,937.93
<u>Expenses</u>				
Communications	\$1,200.00		\$1,200.00	
Insurance & Bonds	\$8,882.92		\$8,882.92	
Office Expenses	\$15,472.70	\$616.02	\$16,088.72	
Field Expenses	\$0.00		\$0.00	
Rent and Utilities	\$22,403.50		\$22,403.50	
Contingency Fund	\$0.00		\$0.00	
	<u>\$47,959.12</u>	<u>\$616.02</u>	<u>\$48,575.14</u>	\$48,575.14

<u>Total Disbursements</u>	\$814,991.96
<u>Total Receipts</u>	\$927,435.20
<u>Total Remaining</u>	\$112,443.24

# Land Use Audits 2020

## 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 2020:

### Franklin Valley Irrigation District (FID):

2020 Decreed acreage reported:	6,723.06
2020TBI acreage reported:	4,672.33
TBI acreage audited:	766.90
Percentage of TBI acreage audited for 2020:	16.41%
Crop Audit conducted twice annually	100%

#### 2020 Pivots:

Parcel 5003500 Viriden 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 18 (NWNE)	Affidavit Letter, No Violation
19S 20W 18 (SENW)	Affidavit Letter, No Violation

Audit resulted in 0.00 acres in possible violation.

### Gila Valley Irrigation District (GVID):

2020 Decreed acreage reported:	31,344.58
2020 TBI acreage reported:	22,604.53
TBI acreage audited:	3,896.10
Percentage of TBI acreage audited for 2020:	17.24%
Crop Audit conducted twice annually	100%

Audit resulted in 0.00 acres in possible violation.

**San Carlos Irrigation & Drainage District (SCIDD):**

2020 Decreed acreage reported:	50,000.00
2020 TBI Acreage reported:	12,407.41
TBI acreage audited:	2,222.09
Percentage of TBI acreage audited for 2020:	17.91%

Due to Covid-19 restrictions SCIDD was not physically audited. Water card audit resulted in 0.00 acres in possible violation.

**Gila River Indian community (GRIC):**

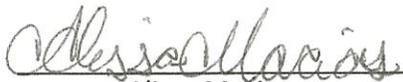
2020 Decreed acreage reported:	50,546.00
2020 TBI acreage reported:	17,468.48
TBI acreage audited:	0
Percentage of TBI acreage audited for 2020:	0%

Due to Covid-19 restrictions GRIC was not physically audited.

**San Carlos Apache Tribe (SCAR):**

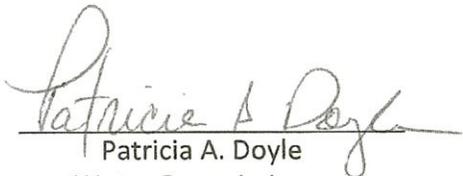
2020 Decreed acreage reported:	1,000.00
2020 TBI acreage reported:	71.00
TBI acreage audited:	71.00
Percentage of TBI acreage audited for 2020:	100%

Audit resulted in 0.00 acres in possible violation.



Alissa Macias  
Water Specialist II

8/3/21  
Date



Patricia A. Doyle  
Water Commissioner

8/3/21  
Date

# CALENDAR YEAR 2020

## 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	2,436.07	5,237	2.15
New Model	2,576.31	1,560.40	1,320	0.85
Valley	1,386.85	675.86	1,172	1.73
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
<b>Totals</b>	<b>7,919.76</b>	<b>4,672.33</b>	<b>7,729</b>	<b>1.65</b>

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

### SAFFORD VALLEY DIVERSIONS

Consolidated Brown	1,311.28	779.00	711	0.91
Fourness	210.70	161.40	26	0.16
San Jose	4,119.58	3,358.65	8,992	2.68
Montezuma	4,715.78	3,203.49	7,565	2.36
Union	7,191.72	4,841.25	11,320	2.34
Graham	4,102.49	3,477.61	5,927	1.70
Smithville	2,383.00	2,005.71	2,547	1.27
Dodge-Nevada	2,516.54	1,938.10	1,544	0.80
Curtis	1,971.70	1,569.69	3,566	2.27
Fort Thomas	2,615.89	1,269.63	2,406	1.90
Colvin-Jones	205.90	0.00	0	0.00
<b>Totals</b>	<b>31,344.58</b>	<b>22,604.53</b>	<b>44,604</b>	<b>1.97</b>

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

### SAN CARLOS APACHE RESERVATION

Black Point	73.40	0.00	0	#DIV/0!
Bylas (Navajo Point)	152.20	0.00	0	#DIV/0!
Anderson Flat	85.80	0.00	0	#DIV/0!
Non-designated lands	688.60	0.00	0	0.00
<b>Totals</b>	<b>1,000.00</b>	<b>0.00</b>	<b>0</b>	<b>#DIV/0!</b>

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

### WINKELMAN VALLEY

Industrial/Municipal (ASARCO) <sup>[1]</sup>	793.00	793.00	6,023	
Domestic/Municipal (Kearny, Arizona)	101.73	101.73	303	2.98
Farmlands	244.16	0.00	0	
J J Anderson	196.27	0.00	0	
<b>Totals</b>	<b>1,335.16</b>	<b>894.73</b>	<b>6,326</b>	<b>2.98</b>

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>Acre-feet</u>	<u>Decreed Duty a-f/a</u>	<u>TBI Duty a-f/a</u>
Indian lands (Alloted/Tribal):	50,000.00	17,468.48	Nat. flow	21,062	0.42	1.21
Federal Agencies	546.00	0.00	Stored	46,546	0.92	2.66
	<b>50,546.00</b>	<b>17,468.48</b>		<b>67,608</b>	<b>1.34</b>	<b>3.87</b>
<b>White Lands:</b>						
San Carlos Irrigation & Drainage Dist.	50,000.00	11,879.41	Nat. flow	23,814	0.48	2.00
			Stored	79,601	1.59	6.70
	50,000.00	11,879.41		103,415	2.07	8.71
Natural Flow Lands	1,544.50	528.00		0	0	0.00
	<b>51,544.50</b>	<b>12,407.41</b>		<b>103,415</b>	<b>2.01</b>	<b>8.33</b>
<b>Totals</b>	<b>102,090.50</b>	<b>29,875.89</b>		<b>171,024</b>	<b>1.68</b>	<b>5.72</b>
	102,090.50	29,875.89	Nat. flow	44,877	0.44	1.50
	100,546.00	29,875.89	Stored	126,147	1.24	4.22

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

Diversions from Picacho Reservoir are reflected above.

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



**SAN CARLOS APACHE TRIBE FARM REPORT  
2020**

**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)	Adverage 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 2020
	1048	None		0.00							
	1049	None		0.00							
Feb	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
Mar	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
Apr	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
May	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
June	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
July	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
Aug	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
Sept	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
Oct	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
Nov	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							
Dec	1047	None		0.00							No Farm Reports Received for 2020
	1048	None		0.00							
	1049	None		0.00							

SAN CARLOS APACHE TRIBE FARM REPORT  
2020

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 Diversions (ac-ft)	Water Quality (uS/cm)	Tribal Wells (ac-ft)	Water Quality (uS/cm)	Combined River & Wells	Comments or Unusual Problems
Jan	1041	None		0.00							No Farm Reports Received for 2020
	1043	None		0.00							
	1044	None		0.00							
	1045	None		0.00							
Feb	1046	None		0.00							No Farm Reports Received for 2020
	1041	None		0.00							
	1043	None		0.00							
	1044	None		0.00							
Mar	1045	None		0.00							No Farm Reports Received for 2020
	1046	None		0.00							
	1041	None		0.00							
	1043	None		0.00							
April	1044	None		0.00							No Farm Reports Received for 2020
	1045	None		0.00							
	1046	None		0.00							
	1041	None		0.00							
May	1043	None		0.00							No Farm Reports Received for 2020
	1044	None		0.00							
	1045	None		0.00							
	1046	None		0.00							
Jun	1041	None		0.00							No Farm Reports Received for 2020
	1043	None		0.00							
	1044	None		0.00							
	1045	None		0.00							
July	1046	None		0.00							No Farm Reports Received for 2020
	1041	None		0.00							
	1043	None		0.00							
	1044	None		0.00							
Aug	1045	None		0.00							No Farm Reports Received for 2020
	1046	None		0.00							
	1041	None		0.00							
	1043	None		0.00							
Sept	1044	None		0.00							No Farm Reports Received for 2020
	1045	None		0.00							
	1046	None		0.00							
	1041	None		0.00							
Oct.	1043	None		0.00							No Farm Reports Received for 2020
	1044	None		0.00							
	1045	None		0.00							
	1046	None		0.00							
Nov	1041	None		0.00							No Farm Reports Received for 2020
	1043	None		0.00							
	1044	None		0.00							
	1045	None		0.00							
Dec	1046	None		0.00							No Farm Reports Received for 2020
	1041	None		0.00							
	1043	None		0.00							
	1044	None		0.00							

SAN CARLOS APACHE TRIBE FARM REPORT  
2020

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 (TBI)	Dates Irrigated (From-To)	Gila River Diversions (ac-ft)	Water Quality (uS/cm)	Tribal Wells (ac-ft)	Water Quality (uS/cm)	Combined River & Wells	Comments or Unusual Problems
Jan	1021E	None		0.00							No Farm Reports Received for 2020
	1021W	None		0.00							
	1022E	None		0.00							
Feb	1022W	None		0.00							No Farm Reports Received for 2020
	1021E	None		0.00							
	1021W	None		0.00							
Mar	1022E	None		0.00							No Farm Reports Received for 2020
	1022W	None		0.00							
	1021E	None		0.00							
Apr	1021W	None		0.00							No Farm Reports Received for 2020
	1022E	None		0.00							
	1022W	None		0.00							
May	1021E	None		0.00							No Farm Reports Received for 2020
	1021W	None		0.00							
	1022E	None		0.00							
June	1022W	None		0.00							No Farm Reports Received for 2020
	1021E	None		0.00							
	1021W	None		0.00							
July	1022E	None		0.00							No Farm Reports Received for 2020
	1022W	None		0.00							
	1021E	None		0.00							
Aug	1021W	None		0.00							No Farm Reports Received for 2020
	1022E	None		0.00							
	1022W	None		0.00							
Sept	1021E	None		0.00							No Farm Reports Received for 2020
	1021W	None		0.00							
	1022E	None		0.00							
Oct	1022W	None		0.00							No Farm Reports Received for 2020
	1021E	None		0.00							
	1021W	None		0.00							
Nov	1022E	None		0.00							No Farm Reports Received for 2020
	1022W	None		0.00							
	1021E	None		0.00							
Dec	1021W	None		0.00							No Farm Reports Received for 2020
	1022E	None		0.00							
	1022W	None		0.00							

2020

**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							6.9	6.9		34.9	34.9		44.0	28.8	15.2	31.5		31.5
2							7.3	7.3		17.4	17.4		44.1	39.7	4.4	30.9		30.9
3							10.9	10.9		40.3	40.3		44.3	15.3	29.0	31.3		31.3
4							11.1	11.1		39.9	39.9		44.3	11.8	32.5	31.4		31.4
5							11.3	11.3		38.8	38.8		41.8	5.5	36.3	29.5		29.5
6							16.6	16.6		35.8	35.8		38.6	5.5	33.1	26.5		26.5
7							19.6	19.6		36.9	36.9		38.8	5.5	33.3	23.5		23.5
8							19.5	19.5		37.0	37.0		37.3	10.6	26.7	21.3		21.3
9							19.7	19.7		38.1	38.1		38.8		38.8	21.7		21.7
10							7.2	7.2		40.5	40.5		38.1		38.1	22.6		22.6
11							4.4	4.4		39.8	39.8		37.8		37.8	17.6		17.6
12							3.4	3.4		39.4	39.4		38.3		38.3	13.2		13.2
13							3.5	3.5		41.4	41.4		36.7		36.7	11.9		11.9
14							2.7	2.7		42.0	42.0		38.4		38.4	12.6		12.6
15										42.8	42.8		40.7		40.7	11.8		11.8
16										44.9	44.9		41.4		41.4	8.7		8.7
17										45.0	45.0		40.6		40.6	6.8		6.8
18							3.6	3.6		45.3	45.3		41.1		41.1	5.9		5.9
19							12.1	12.1		44.9	44.9		38.1	5.5	32.6	5.5		5.5
20							15.3	15.3		44.9	44.9		39.5		39.5	6.0		6.0
21							23.6	23.6		44.8	44.8		39.1		39.1	6.7		6.7
22							24.8	24.8		44.4	44.4		41.9		41.9	6.4		6.4
23							24.5	24.5		44.2	44.2		41.3		41.3	4.1		4.1
24							31.3	31.3		44.3	44.3		41.5		41.5	2.4		2.4
25							37.8	37.8		44.4	44.4		41.3		41.3	1.0		1.0
26				5.8	5.8		37.7	37.7		44.8	40.1	4.7	42.3		42.3	0.2		0.2
27				6.8	6.8		37.1	37.1		44.4	44.3	0.1	41.6		41.6			
28				6.9	6.9		39.9	39.9		43.7	43.7		33.4		33.4			
29				6.9	6.9		37.4	37.4		43.5	22.0	21.5	23.5		23.5			
30							35.2	35.2		44.0	39.6	4.4	23.2		23.2			
31							36.2	36.2					30.2		30.2			
Total				26.4	26.4		540.6	540.6		1232.5	1201.8	30.7	1202.0	128.2	1073.8	391.0		391.0
Acre-feet					52			1,072			2,445			2,384		776		
Priority Diverted					52			1,073			2,384			254				
Apport Diverted											61			2,130		776		
Appor diverted to date											61			2,191		2,967		
TBI Acreage		3,182.96			3,880.26			4,523.03			4,561.33			4,596.49		4,596.49		
Apportioned		10,727			13,076			15,243			15,372			28,039		28,039		
Duty					0.01			0.24			0.54			0.52		0.17		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.													
1																6.0	5.6	0.4	
2																6.0	6.0		
3																6.0	5.6	0.4	
4													4.0	4.0		5.9	5.6	0.3	
5													10.7	10.7		5.9	5.6	0.3	
6													10.7	10.7		5.9	5.6	0.3	
7													10.7	5.6	5.1	5.9	5.6	0.3	
8													10.7	10.7		5.9	5.6	0.3	
9													10.7	10.7		5.9	5.6	0.3	
10													10.7	10.7		3.9	3.9		
11							2.8		2.8				11.0	10.7	0.3	0.9	0.9		
12							4.1		4.1				11.4	10.7	0.7	0.9	0.9		
13							12.6		12.6				11.4	10.7	0.7	0.9	0.9		
14							9.6		9.6				11.4	10.7	0.7	1.4	1.3	0.1	
15							9.9		9.9				11.4	10.7	0.7	1.4	1.3	0.1	
16							9.5		9.5				11.4	5.6	5.8	1.4	1.4		
17							9.6		9.6				11.4	10.7	0.7	1.4	1.3	0.1	
18							7.7		7.7				11.2	10.7	0.5	1.4	1.4		
19							5.9		5.9				11.2	10.7	0.5	1.4	1.4		
20							5.4		5.4				11.2	10.7	0.5	2.8	2.8		
21							3.7		3.7				7.4	6.9	0.5	2.8	2.5	0.3	
22							2.9		2.9				6.1	5.6	0.5	2.8		2.8	
23							3.9		3.9				6.1	5.6	0.5	2.8	2.8		
24							4.5		4.5				6.1	5.6	0.5	2.8	1.3	1.5	
25	0.5		0.5				5.0		5.0				6.1	5.6	0.5	2.8	2.8		
26	0.4		0.4				4.0		4.0				6.1	5.8	0.3	2.8	2.8		
27	0.3		0.3				2.5		2.5				6.1	6.1		2.8	2.8		
28	2.8		2.8				1.6		1.6				6.1	5.6	0.5	2.6		2.6	
29	7.3		7.3										6.1	5.6	0.5	2.3		2.3	
30	21.7		21.7										6.1	5.6	0.5	2.3		2.3	
31	21.9		21.9													2.3	2.3		
Total	54.9		54.9				105.2		105.2				243.5	223.0	20.5	100.3	85.6	14.7	
Acre-feet		109						209						483		199		7,729	
Priority Diverted														442		170		4,375	
Apport Diverted		109						209						40		29		3,354	
Appor diverted to date		3,076						3,285			3,285			3,325		3,354		3,354	
TBI Acreage		4,623.39			4,671.13			4,671.13			4,672.33			4,672.33		4,672.33		4,672.33	
Apportioned		28,203			28,494			28,494			28,501			28,501		28,501		28,501	
Duty		0.02						0.04						0.10		0.04		1.65	

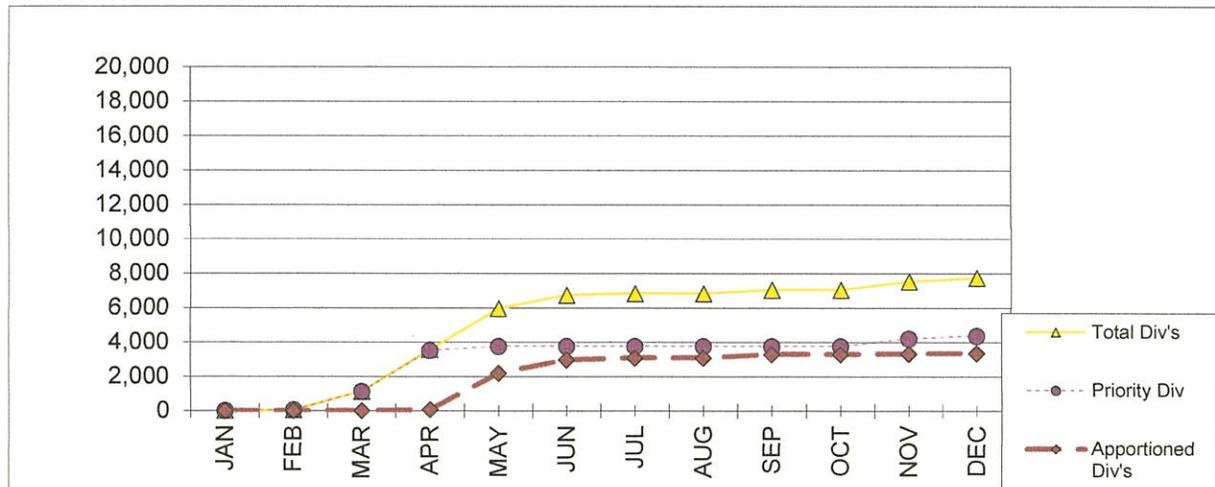
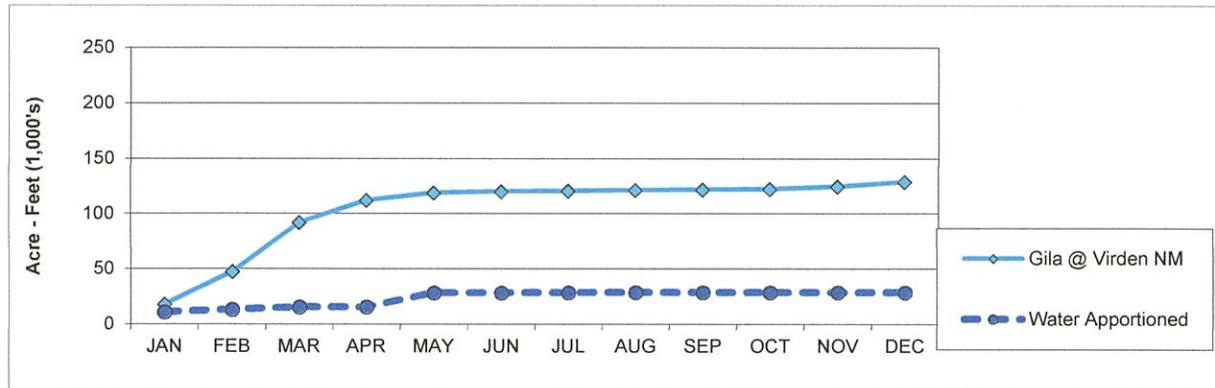
# 2020

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

In Acre-Feet

Month	Monthly Gila River Below Blue Creek	Accumulated				Water Apportioned
		Gila River Below Blue Creek	Total Diversions	Priority Diversions	Apportioned Diversions	
JAN	17,742	17,742	0	0	0	10,727
FEB	29,586	47,328	52	52	0	13,076
MAR	44,609	91,937	1,125	1,125	0	15,243
APR	19,841	111,778	3,570	3,509	61	15,372
MAY	6,950	118,728	5,954	3,763	2,191	28,039
JUN	1,045	119,773	6,730	3,763	2,967	28,039
JUL	685	120,458	6,839	3,763	3,076	28,203
AUG	744	121,202	6,839	3,763	3,076	28,494
SEP	329	121,531	7,048	3,763	3,285	28,494
OCT	506	122,037	7,048	3,763	3,285	28,501
NOV	2,245	124,282	7,530	4,205	3,325	28,501
DEC	4,296	128,578	7,729	4,375	3,354	28,501

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



# 2020

## SUNSET CANAL: 2,759.90 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport															
1							6.9	6.9		23.7	23.7		24.8	21.5	3.3	25.3		25.3
2							7.3	7.3		4.8	4.8		24.8	13.6	11.2	24.4		24.4
3							10.9	10.9		24.9	24.9		24.8	11.6	13.2	24.2		24.2
4							11.1	11.1		24.8	24.8		24.9	5.5	19.4	23.9		23.9
5							11.3	11.3		24.5	24.5		24.6	5.5	19.1	23.2		23.2
6							13.1	13.1		24.8	24.8		24.8	5.5	19.3	21.7		21.7
7							12.9	12.9		24.8	24.8		24.5	10.6	13.9	18.2		18.2
8							12.8	12.8		24.8	24.8		24.8		24.8	16.3		16.3
9							12.8	12.8		24.8	24.8		24.8		24.8	16.7		16.7
10							0.3	0.3		25.1	25.1		24.5		24.5	18.1		18.1
11										24.8	24.8		24.9		24.9	15.6		15.6
12										24.8	24.8		25.1		25.1	11.7		11.7
13										24.8	24.8		24.8		24.8	10.1		10.1
14										24.8	24.8		24.8		24.8	11.2		11.2
15										24.8	24.8		24.8		24.8	10.8		10.8
16										24.8	24.8		24.5		24.5	8.3		8.3
17										24.8	24.8		24.5		24.5	5.7		5.7
18							1.2	1.2		24.8	24.8		24.2	5.5	18.7	5.9		5.9
19							10.6	10.6		24.8	24.8		24.3		24.3	5.5		5.5
20							15.3	15.3		24.8	24.8		23.9		23.9	6.0		6.0
21							23.6	23.6		24.8	24.8		24.6		24.6	6.7		6.7
22							24.8	24.8		24.8	24.8		24.5		24.5	6.4		6.4
23							24.5	24.5		24.8	24.8		24.7		24.7	4.1		4.1
24							24.9	24.9		24.8	24.8		24.5		24.5	2.4		2.4
25							24.8	24.8		24.8	24.8		25.0		25.0	1.0		1.0
26				5.8	5.8		24.8	24.8		24.8	21.4	3.4	24.3		24.3	0.2		0.2
27				6.8	6.8		24.8	24.8		24.8	24.8		23.5		23.5			
28				6.9	6.9		25.1	25.1		24.6	24.6		17.2		17.2			
29				6.9	6.9		25.2	25.2		24.5	14.1	10.4	17.5		17.5			
30							24.8	24.8		24.8	21.4	3.4	23.2		23.2			
31							24.8	24.8		24.8	24.8		25.0		25.0			
Total				26.4	26.4		398.6	398.6		722.5	705.3	17.2	746.9	96.7	650.2	323.6		323.6
Acre-feet					52			791			1,433			1,481			642	
Priority Diverted					52			791			1,399			192				
Apport Diverted											34			1,290			642	
Apport diverted to date											34			1,324			1,966	
TBI acreage	2,155.97			2,294.87			2,424.77			2,424.77			2,427.77			2,427.77		
Apportioned	7,266			7,734			8,171			8,171			14,809			14,809		
Duty				0.02			0.33			0.59			0.61			0.26		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1																5.6		5.6	
2																5.6		5.6	
3																5.6		5.6	
4													4.0	4.0		5.6		5.6	
5													10.7	10.7		5.6		5.6	
6													10.7	10.7		5.6		5.6	
7													10.7	5.6	5.1	5.6		5.6	
8													10.7	10.7		5.6		5.6	
9													10.7	10.7		5.6		5.6	
10													10.7	10.7		3.3		3.3	
11													10.7	10.7					
12							1.3		1.3				10.7	10.7					
13							9.8		9.8				10.7	10.7					
14							9.6		9.6				10.7	10.7					
15							9.9		9.9				10.7	10.7					
16							9.5		9.5				10.7	5.6	5.1				
17							9.6		9.6				10.7	10.7					
18							7.7		7.7				10.7	10.7					
19							5.9		5.9				10.7	10.7					
20							5.4		5.4				10.7	10.7					
21							3.7		3.7				6.9	6.9					
22							2.9		2.9				5.6	5.6					
23							3.9		3.9				5.6	5.6					
24							4.5		4.5				5.6	5.6					
25		0.5		0.5			5.0		5.0				5.6	5.6					
26		0.4		0.4			4.0		4.0				5.6	5.6					
27		0.3		0.3			2.5		2.5				5.6	5.6					
28		0.3		0.3			1.6		1.6				5.6	5.6					
29		2.6		2.6									5.6	5.6					
30		17.1		17.1									5.6	5.6					
31		17.5		17.5									5.6	5.6					
Total		38.7		38.7			96.8		96.8				232.5	222.3	10.2	53.7		53.7	
Acre-feet									192					461			107		5,237
Priority Diverted														441			107		2,982
Apport Diverted									192					20					2,255
Apport diverted to date									2,235					2,255			2,255		2,255
TBI acreage	2,434.87			2,434.87			2,434.87		2,434.87			2,436.07	2,436.07			2,436.07			2,436.07
Apportioned	14,853			14,853			14,853		14,853			14,860	14,860			14,860			14,860
Duty		0.03					0.08		0.08				0.19			0.04			2.15

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

2020

**NEW MODEL CANAL: 2,597.65 Acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN				
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport		
1										4.0	4.0		11.4	11.4						
2										5.5	5.5		11.4	1.2	10.2					
3										7.7	7.7		11.4	0.2	11.2					
4										7.7	7.7		8.8		8.8	0.7		0.7		
5										7.7	7.7		5.8		5.8	0.6		0.6		
6										7.7	7.7		5.8		5.8	0.2		0.2		
7										8.7	8.7		6.9		6.9					
8										8.7	8.7		6.1		6.1					
9										9.8	9.8		5.3		5.3					
10										11.7	11.7		5.3		5.3					
11										11.4	11.4		5.3		5.3					
12										11.0	11.0		5.3		5.3					
13										10.1	10.1		5.4		5.4					
14										9.6	9.6		7.7		7.7					
15										10.3	10.3		8.8		8.8					
16										12.8	12.8		8.8		8.8					
17										12.8	12.8		8.8		8.8					
18										12.5	12.5		8.9		8.9					
19										12.2	12.2		9.1		9.1					
20										12.0	12.0		9.1		9.1					
21										12.0	12.0		9.1		9.1					
22										11.9	11.9		9.1		9.1					
23										11.7	11.7		9.1		9.1					
24								4.4	4.4	11.7	11.7		9.1		9.1					
25								7.1	7.1	11.8	11.8		9.1		9.1					
26								7.1	7.1	11.9	11.9		9.1		9.1					
27								6.3	6.3	11.7	11.7		3.6		3.6					
28								6.8	6.8	11.4	11.4									
29								6.3	6.3	11.4	4.5	6.9								
30								4.6	4.6	11.4	11.4									
31								3.7	3.7											
<b>Total</b>										46.3	46.3	6.9	310.8	303.9	225.0	19.7	205.3	1.5	1.5	
Acre-feet									92			616			446			3		
Priority Diverted									92			603			39					
Apport Diverted												14			407			3		
Appor diverted to date												14			421			424		
TBI acreage	664.33			1,047.13			1,444.70			1,483.00			1,512.66			1,512.66				
Apportioned	2,239			3,529			4,859			4,998			9,227			9,227				
Duty							0.06			0.42			0.29							

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport																
1																0.4		0.4	
2																0.4	0.4		
3																0.4		0.4	
4																0.3		0.3	
5																0.3		0.3	
6																0.3		0.3	
7																0.3		0.3	
8																0.3		0.3	
9																0.3		0.3	
10																0.6	0.6		
11								2.8		2.8			0.3		0.3	0.9		0.9	
12								2.8		2.8			0.7		0.7	0.9		0.9	
13								2.8		2.8			0.7		0.7	0.9		0.9	
14													0.7		0.7	1.4	1.3		0.1
15													0.7		0.7	1.4	1.3		0.1
16													0.7		0.7	1.4	1.4		
17													0.7		0.7	1.4	1.3		0.1
18													0.5		0.5	1.4	1.4		
19													0.5		0.5	1.4	1.4		
20													0.5		0.5	2.8	2.8		
21													0.5		0.5	2.8	2.5		0.3
22													0.5		0.5	2.8			2.8
23													0.5		0.5	2.8	2.8		
24													0.5		0.5	2.8	1.3		1.5
25													0.5		0.5	2.8	2.8		
26													0.5	0.2	0.3	2.8	2.8		
27													0.5	0.5		2.8	2.8		
28		2.5				2.5							0.5		0.5	2.6			2.6
29		4.7				4.7							0.5		0.5	2.3			2.3
30		4.6				4.6							0.5		0.5	2.3			2.3
31		4.4				4.4							0.5		0.5	2.3	2.3		
<b>Total</b>	16.2		16.2				8.4		8.4				11.0	0.7	10.3	46.6	31.9	14.7	
Acre-feet		32					17						22			92			1,320
Priority Diverted													1			63			798
Apport Diverted		32					17						20			29			522
Appor diverted to date		456			456		473			473			493			522			522
TBI acreage	1,512.66			1,560.40			1,560.40			1,560.40			1,560.40			1,560.40			1,560.40
Apportioned	9,227			9,518			9,518			9,518			9,518			9,518			9,518
Duty		0.02					0.01						0.01			0.06			0.86

Diversions on South side of Gila River in NW 1/4 SE 1/4, Sec. 11, T. 19S, R. 21W, NMPM. Water-stage recorder and 6 ft. Parshall flume located in NE 1/4 NE 1/4, Sec. 10, T. 19S, R. 21W.

# 2020

## 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												
1										7.2	7.2		7.9	6.8	1.1	6.2		6.2
2										7.1	7.1		8.1	0.5	7.6	6.5		6.5
3										7.7	7.7		8.1		8.1	7.1		7.1
4										7.4	7.4		8.1		8.1	6.8		6.8
5										6.6	6.6		8.2		8.2	5.7		5.7
6							3.5	3.5		3.3	3.3		8.2		8.2	4.6		4.6
7							6.7	6.7		3.4	3.4		5.9		5.9	5.3		5.3
8							6.7	6.7		3.5	3.5		7.9		7.9	5.0		5.0
9							6.9	6.9		3.5	3.5		8.0		8.0	5.0		5.0
10							6.9	6.9		3.7	3.7		8.0		8.0	4.5		4.5
11							4.4	4.4		3.6	3.6		8.1		8.1	2.0		2.0
12							3.4	3.4		3.6	3.6		6.3		6.3	1.5		1.5
13							3.5	3.5		6.5	6.5		8.2		8.2	1.8		1.8
14							2.7	2.7		7.6	7.6		8.2		8.2	1.4		1.4
15										7.7	7.7		7.8		7.8	1.0		1.0
16										7.3	7.3		7.3		7.3	0.4		0.4
17										7.4	7.4		7.8		7.8	1.1		1.1
18							2.4	2.4		8.0	8.0		5.0		5.0			
19							1.5	1.5		7.9	7.9		6.1		6.1			
20										8.1	8.1		6.1		6.1			
21										8.0	8.0		8.2		8.2			
22										7.7	7.7		7.7		7.7			
23										7.7	7.7		7.7		7.7			
24							2.0	2.0		7.8	7.8		7.7		7.7			
25							5.9	5.9		7.8	7.8		8.2		8.2			
26							5.8	5.8		8.1	6.8	1.3	8.2		8.2			
27							6.0	6.0		7.9	7.8	0.1	6.3		6.3			
28							8.0	8.0		7.7	7.7		6.3		6.3			
29							5.9	5.9		7.6	3.4	4.2	5.7		5.7			
30							5.8	5.8		7.8	6.8	1.0	7.0		7.0			
31							7.7	7.7										
<b>Total</b>							95.7	95.7		199.2	192.6	6.6	230.1	11.8	218.3	65.9		65.9
Acre-feet								190			395			456		131		
Priority Diverted								190			382			23				
Apport Diverted											13			433		131		
Apport diverted to date											13			446		577		
TBI acreage	362.66			538.26			653.56			653.56			656.06		656.06			
Apportioned	1,222			1,814			2,202			2,202			4,002		4,002			
Duty							0.29			0.60			0.70		0.20			

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	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																			
<b>Total</b>																			
Acre-feet																			1,172
Priority Diverted																			595
Apport Diverted																			577
Apport diverted to date																			577
TBI acreage	675.86			675.86			675.86			675.86			675.86		675.86				675.86
Apportioned	4,123			4,123			4,123			4,123			4,123		4,123				4,123
Duty																			1.73

Diversions on North side of Gila River in NE 1/4 NW 1/4, Sec. 4, T. 19S, R. 21W, NMPM. Water-stage recorder and 8 ft. Parshall flume located in NW 1/4 SE 1/4, Sec. 34, T. 8S, R. 32E.

2020

**SAFFORD VALLEY: 31,570.18 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										239.7	239.7		185.5	134.3	51.2	72.9		72.9
2							82.2	82.2		233.1	233.1		184.7	125.8	58.9	75.4		75.4
3							112.0	112.0		232.3	232.3		157.3	134.4	22.9	73.4		73.4
4							154.1	154.1		236.5	236.5		140.2	90.0	50.2	70.3		70.3
5							154.8	154.8		234.5	234.5		128.3	72.8	55.5	59.9		59.9
6							154.0	154.0		230.8	230.8		126.2	20.6	105.6	59.8		59.8
7							158.0	158.0		236.8	236.8		132.4	27.8	104.6	61.6		61.6
8							171.8	171.8		235.2	235.2		115.4	27.8	87.6	58.7		58.7
9							201.3	201.3		238.2	238.2		114.4	35.3	79.1	57.1		57.1
10							208.8	208.8		236.9	236.9		69.0		69.0	57.9		57.9
11							211.8	211.8		231.4	231.4		66.7		66.7	57.7		57.7
12							216.9	216.9		229.5	229.5		57.9		57.9	53.8		53.8
13	2.2	2.2					215.8	215.8		232.6	232.6		45.2		45.2	52.8		52.8
14	3.4	3.4					199.8	199.8		233.0	233.0		50.3		50.3	49.2		49.2
15	3.1	3.1					207.5	207.5		224.9	224.9		50.8		50.8	48.9		48.9
16	3.1	3.1					196.3	196.3		217.8	217.8		54.1		54.1	52.3		52.3
17	2.5	2.5					210.6	210.6		210.7	210.7		44.8		44.8	47.4		47.4
18	0.9	0.9					217.8	217.8		207.7	207.7		81.6		81.6	45.7		45.7
19							220.4	220.4		208.8	208.8		93.0		93.0	30.8		30.8
20				8.7	8.7		227.4	227.4		187.2	187.2		86.1	11.4	74.7	39.4		39.4
21				10.6	10.6		230.6	230.6		169.4	169.4		83.0		83.0	39.1		39.1
22				10.6	10.6		234.4	234.4		165.7	162.4	3.3	80.5		80.5	40.2		40.2
23				10.6	10.6		237.3	237.3		162.8	162.8		77.6		77.6	40.2		40.2
24				10.6	10.6		237.5	237.5		162.8	162.8		75.3		75.3	37.4		37.4
25				4.5	4.5		241.2	241.2		157.6	157.6		73.2		73.2	37.1		37.1
26							239.9	239.9		158.0	158.0		72.6		72.6	40.5		40.5
27							241.3	241.3		157.0	121.6	35.4	67.7		67.7	45.0		45.0
28							241.6	241.6		160.2	155.5	4.7	86.3		86.3	40.5		40.5
29							242.4	242.4		159.0	159.0		89.2		89.2	38.1		38.1
30							240.5	240.5		173.9	107.5	66.4	83.5		83.5	37.3		37.3
31							237.6	237.6					80.5		80.5			
Total	15.2	15.2		55.6	55.6		6145.6	6145.6		6164.0	6054.2	109.8	2853.2	680.2	2173.0	1520.4		1520.4
Acre-feet		30			110			12,190			12,226			5,659				3,016
Priority Diverted		30			110			12,191			12,007			1,349				
Apport Diverted											219			4,310				3,017
Apport diverted to date											219			4,529				7,546
TBI acreage		7,174.76			12,686.11			21,891.06			22,029.36			22,098.01				22,105.85
Apportioned		24,179			42,752			73,773			74,239			134,798				134,846
Duty					0.01			0.56			0.55			0.26				0.14

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	36.2		36.2	37.8		37.8	39.0		39.0				6.2	2.4	3.8	52.5	38.3	14.2	
2	34.4		34.4	44.6		44.6	38.0		38.0				34.3	3.2	31.1	60.8	22.2	38.4	
3	34.5		34.5	49.2		49.2	40.3		40.3				42.1	17.1	25.0	63.2	49.2	14.0	
4	34.8		34.8	49.5		49.5	40.4		40.4				42.8	28.5	14.3	80.1	38.3	41.8	
5	33.2		33.2	51.9		51.9	27.4		27.4				43.3	27.8	15.5	74.6	23.9	50.7	
6	31.9		31.9	53.8		53.8	14.6		14.6				42.8	25.0	17.8	76.5	34.1	42.4	
7	28.5		28.5	50.4		50.4	14.0		14.0				43.0	27.6	15.4	75.8	27.7	48.1	
8	26.6		26.6	47.8		47.8	14.0		14.0				43.0	23.8	19.2	74.7	25.6	49.1	
9	25.9		25.9	45.0		45.0	14.0		14.0				42.8	28.7	14.1	73.7	21.8	51.9	
10	23.7		23.7	41.3		41.3	24.6		24.6				43.0	43.0		75.8	31.0	44.8	
11	24.5		24.5	36.6		36.6	26.6		26.6				43.0	31.3	11.7	69.1	63.1	6.0	
12	25.4		25.4	33.9		33.9	6.3		6.3				43.3	27.9	15.4	65.3	65.3		
13	24.9		24.9	33.0		33.0							43.5	31.9	11.6	63.9	47.3	16.6	
14	25.3		25.3	32.4		32.4							43.4	31.9	11.5	67.7	50.7	17.0	
15	24.8		24.8	32.7		32.7							43.2	28.5	14.7	69.9	44.1	25.8	
16	26.6		26.6	33.1		33.1							43.0	26.6	16.4	70.1	44.5	25.6	
17	26.9		26.9	34.1		34.1							51.9	31.9	20.0	70.1	55.1	15.0	
18	29.9		29.9	36.5		36.5							56.2	38.1	18.1	71.1	44.6	26.5	
19	32.5		32.5	38.4		38.4							55.8	35.8	20.0	73.9	57.4	16.5	
20	32.3		32.3	35.7		35.7							55.6	40.1	15.5	73.8	73.8		
21	32.1		32.1	38.8		38.8	0.8		0.8	0.2		0.2	56.6	36.1	20.5	54.8	49.9	4.9	
22	33.8		33.8	41.2		41.2	5.4		5.4	0.8		0.8	57.3	36.1	21.2	38.6	37.4	1.2	
23	37.3		37.3	41.3		41.3	7.2		7.2	1.1		1.1	56.4	35.5	20.9	38.1	19.6	18.5	
24	44.4		44.4	38.7		38.7	7.2		7.2	0.7		0.7	54.7	39.7	15.0	38.8	38.8		
25	45.9		45.9	38.4		38.4	7.2		7.2	0.8		0.8	54.8	38.9	15.9	15.3	15.3		
26	46.1		46.1	42.6		42.6	7.2		7.2	1.4		1.4	55.1	38.8	16.3	1.2	1.2		
27	45.4		45.4	40.3		40.3	3.4		3.4	0.9		0.9	55.4	41.6	13.8	3.1	3.1		
28	42.0		42.0	49.5		49.5	0.5		0.5				54.6	42.8	11.8	4.9	4.9		
29	42.6		42.6	47.1		47.1							52.6	38.3	14.3	5.0	3.9	1.1	
30	44.5		44.5	57.6		57.6				4.3	3.8	0.5	52.3	31.3	21.0	9.5	7.0	2.5	
31	42.5		42.5	51.3		51.3				6.2	2.9	3.3				11.2		11.2	
Total	1039.4		1039.4	1304.5		1304.5	338.1		338.1	16.4	6.7	9.7	1412.0	930.2	481.8	1622.9	1039.1	583.8	
Acre-feet		2,062			2,587			671			33			2,801			3,219	44,604	
Priority Diverted											13			1,845			2,061	29,606	
Apport Diverted		2,062			2,587			670			20			956			1,157	14,998	
Apport diverted to date														13,841			14,998	14,998	
TBI acreage		22,233.08			22,324.54			22,726.02			22,604.53			22,604.53			22,604.53	22,604.53	
Apportioned		135,622			136,180			138,634			137,888			137,888			137,888	137,888	
Duty		0.09			0.12			0.03						0.12			0.14	1.97	

# 2020

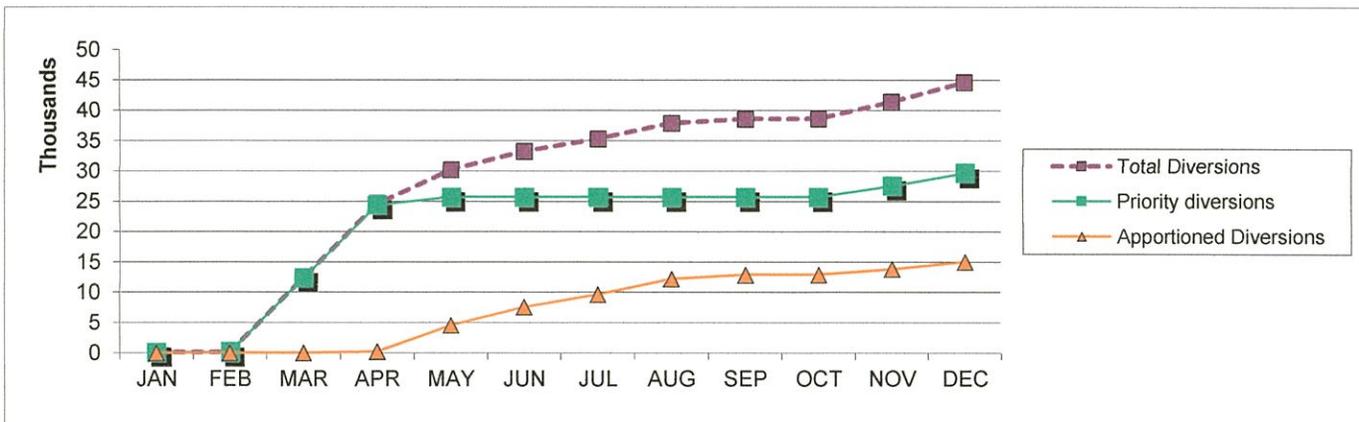
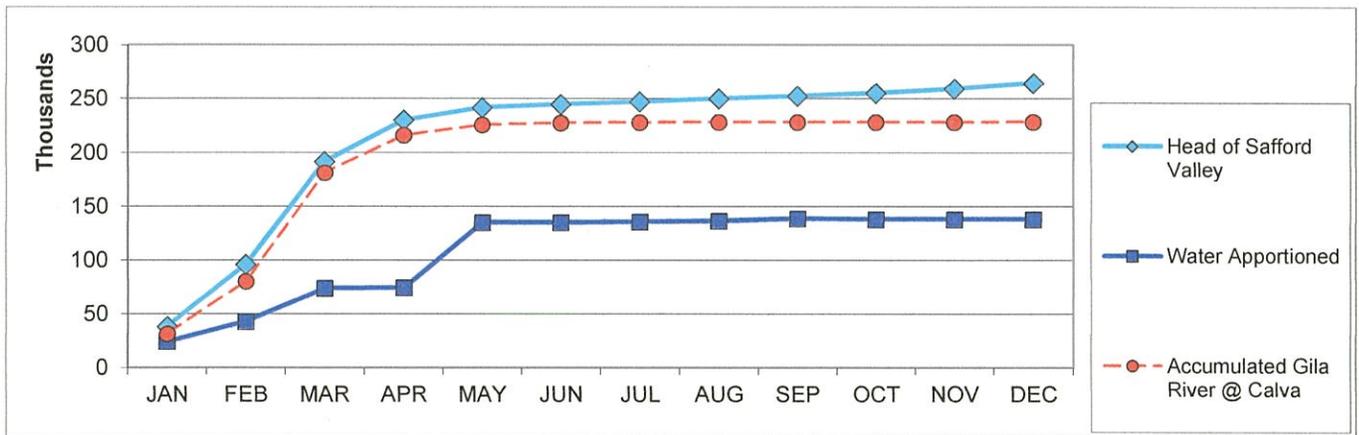
## MASS DIAGRAM OF SAFFORD VALLEY DIVERSIONS, APPORTIONMENTS, & RIVER FLOWS

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	38,426	38,426	30	30	24,179	31,569	31,569
FEB	57,674	96,100	140	140	42,752	80,329	48,760
MAR	95,849	191,949	12,331	12,331	73,773	181,238	100,909
APR	38,329	230,278	24,557	24,338	74,239	216,142	34,904
MAY	11,455	241,733	30,216	25,687	134,798	225,721	9,579
JUN	3,144	244,877	33,233	25,687	134,846	227,542	1,821
JUL	2,587	247,464	35,295	25,687	135,622	227,958	416
AUG	2,715	250,179	37,882	25,687	136,180	228,195	237
SEP	2,432	252,611	38,552	25,687	138,634	228,263	68
OCT	2,719	255,330	38,585	25,700	137,888	228,263	
NOV	4,170	259,500	41,386	27,545	137,888	228,263	
DEC	5,141	264,641	44,604	29,606	137,888	228,467	204

Graph:	Gila at Head	Total Diversions	Priority Div's	Apportn'd Div's	Apportionments	Gila Calva	
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2020

**CONSOLIDATED BROWN CANAL: 1,326.90 Acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	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																1.6		1.6
25																2.1		2.1
26																2.0		2.0
27																2.2		2.2
28																2.2		2.2
29																2.2		2.2
30																2.2		2.2
31																2.2		2.2
Total																14.5		14.5
Acre-feet																		29
Priority Diverted																		29
Apport Diverted																		29
Apport diverted to date																		29
TBI acreage		467.70			766.70			766.70			768.20			769.70			769.00	
Apportioned		1,576			2,584			2,584			2,589			4,695			4,691	
Duty																	0.04	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport																
1	2.0		2.0										6.2	2.4	3.8	6.0	3.1	2.9	
2	1.5		1.5										6.2	0.3	5.9	6.0	1.8	4.2	
3	1.4		1.4										6.2	1.2	5.0	6.0	5.0	1.0	
4	1.4		1.4										6.2	3.1	3.1	6.0	3.1	2.9	
5	1.4		1.4										6.2	2.9	3.3	6.0	2.1	3.9	
6	0.4		0.4										5.9	2.4	3.5	6.0	3.1	2.9	
7	1.0		1.0										6.1	2.9	3.2	2.1	2.1		
8	1.6		1.6										6.0	2.1	3.9				
9	1.5		1.5										6.0	3.1	2.9				
10	1.5		1.5										6.0	6.0					
11	1.6		1.6										6.0	3.5	2.5				
12	1.6		1.6										6.1	2.9	3.2				
13	1.5		1.5										6.2	2.9	3.3				
14	1.5		1.5										6.2	2.9	3.3	4.4	4.0	0.4	
15	1.5		1.5										6.2	2.4	3.8	6.4	3.8	2.6	
16	1.5		1.5										6.2	3.1	3.1	6.3	3.8	2.5	
17	1.5		1.5										6.2	2.1	4.1	6.2	5.0	1.2	
18	1.5		1.5										6.2	2.9	3.3	3.0	3.0		
19	1.5		1.5										6.2	2.4	3.8				
20	1.5		1.5										6.2	3.1	3.1				
21	1.5		1.5				0.8		0.8				6.2	2.4	3.8				
22	1.5		1.5				5.4		5.4				6.2	2.4	3.8				
23	1.5		1.5				7.2		7.2				6.1	2.9	3.2				
24	1.5		1.5				7.2		7.2				6.0	3.1	2.9				
25	0.9		0.9				7.2		7.2				6.0	3.1	2.9				
26							7.2		7.2				6.0	3.1	2.9				
27							3.4		3.4				6.0	3.5	2.5				
28	0.1		0.1				0.5		0.5				6.0	3.8	2.2				
29	0.3		0.3										6.0	3.1	2.9				
30	0.3		0.3							4.3	3.8	0.5	6.0	2.9	3.1	4.3	3.1	1.2	
31	0.2		0.2							6.2	2.9	3.3	6.0	2.9	3.1	6.3		6.3	
Total	36.7		36.7				38.9		38.9	10.5	6.7	3.8	183.2	84.9	98.3	75.0	43.0	32.0	
Acre-feet		73						77			21			363			149		711
Priority Diverted											13			168			85		266
Apport Diverted		73						77			8			195			63		445
Apport diverted to date		102			102			179			187			382			445		445
TBI acreage		773.40			773.40			779.00			779.00			779.00			779.00		779.00
Apportioned		4,718			4,718			4,752			4,752			4,752			4,752		4,752
Duty		0.09						0.10			0.03			0.47			0.19		0.91

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. Parshall flume located in NE 1/4 NE 1/4, Sec. 31, T. 6S, R 28E.

Record Good

# 2020

## SAN JOSE CANAL: 4,131.22 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										38.3	38.3		34.3	22.6	11.7	20.0		20.0	
2							22.5	22.5		38.3	38.3		26.9	24.1	2.8	20.0		20.0	
3							30.0	30.0		38.3	38.3		24.7	19.0	5.7	20.0		20.0	
4							30.0	30.0		38.3	38.3		24.7	17.9	6.8	20.0		20.0	
5							30.0	30.0		38.3	38.3		24.0	11.0	13.0	17.7		17.7	
6							30.0	30.0		38.3	38.3		24.1	11.9	12.2	16.0		16.0	
7							30.0	30.0		38.3	38.3		24.7	11.9	12.8	16.0		16.0	
8							36.2	36.2		38.3	38.3		24.3	12.9	11.4	15.5		15.5	
9							38.3	38.3		38.3	38.3		5.8		5.8	15.5		15.5	
10							38.3	38.3		38.3	38.3					15.5		15.5	
11							38.3	38.3		38.3	38.3					15.5		15.5	
12							38.3	38.3		38.3	38.3					15.0		15.0	
13							38.3	38.3		38.3	38.3					15.0		15.0	
14							38.3	38.3		38.3	38.3					15.0		15.0	
15							38.3	38.3		38.3	38.3					15.0		15.0	
16							38.3	38.3		38.3	38.3					15.8		15.8	
17							38.3	38.3		38.3	38.3		30.8		30.8	15.3		15.3	
18							38.3	38.3		38.3	38.3		41.0		41.0	15.3		15.3	
19							38.3	38.3		38.3	38.3		33.1	6.0	27.1	9.4		9.4	
20							38.3	38.3		38.3	38.3		30.0		30.0	12.7		12.7	
21							38.3	38.3		38.3	38.3		30.0		30.0	12.7		12.7	
22							38.3	38.3		38.3	38.3		30.0		30.0	12.7		12.7	
23							38.3	38.3		38.3	38.3		30.0		30.0	12.2		12.2	
24							38.3	38.3		38.3	38.3		30.0		30.0	11.0		11.0	
25							38.3	38.3		38.3	38.3		30.0		30.0	11.0		11.0	
26							38.3	38.3		38.3	38.3		30.0		30.0	10.0		10.0	
27							38.3	38.3		38.3	24.1	14.2	25.8		25.8	10.0		10.0	
28							38.3	38.3		38.3	38.3		20.7		20.7	10.0		10.0	
29							38.3	38.3		38.3	38.3		20.0		20.0	10.0		10.0	
30							38.3	38.3		38.3	20.4	17.9	20.0		20.0	10.0		10.0	
31							38.3	38.3		38.3	38.3					10.0		10.0	
<b>Total</b>							<b>1089.6</b>	<b>1089.6</b>		<b>1149.0</b>	<b>1116.9</b>	<b>32.1</b>	<b>653.2</b>	<b>161.4</b>	<b>491.8</b>	<b>429.8</b>		<b>429.8</b>	
Acre-feet														1,296					853
Priority Diverted								2,161						320					
Apport Diverted														975					
Apport diverted to date														64					853
TBI acreage		762.45			2,026.75			3,271.91			3,281.41			1,039					1,892
Apportioned		2,569			6,830			11,026			11,058			20,013					20,044
Duty								0.66			0.69			0.40					0.26

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	9.4			9.4	12.7		13.0		13.0										
2	9.4			9.4	14.5		13.0		13.0				20.6	1.0	19.6				
3	9.4			9.4	15.4		13.0		13.0				27.5	8.2	19.3				
4	9.4			9.4	15.3		14.5		14.5				27.5	16.3	11.2				
5	9.4			9.4	15.5		7.7		7.7				27.5	15.3	12.2				
6	9.4			9.4	16.0		11.3		11.3				27.5	13.2	14.3				
7	8.0			8.0	15.5		15.5		15.5				27.5	15.3	12.2				
8	7.2			7.2	15.0		15.0		15.0				27.5	12.2	15.3				
9	7.2			7.2	13.0		13.0		13.0				27.5	16.3	11.2				
10	7.5			7.5	12.9		12.9		12.9				27.5	27.5					
11	7.9			7.9	11.3		11.3		11.3				27.5	18.3	9.2				
12	8.1			8.1	11.3		11.3		11.3				27.5	15.3	12.2				
13	8.0			8.0	11.3		11.3		11.3				23.2	15.3	7.9				
14	8.1			8.1	11.3		11.3		11.3				18.8	15.3	3.5				
15	8.1			8.1	11.3		11.3		11.3				14.1	13.2	0.9				
16	8.5			8.5	11.3		11.3		11.3				9.4	9.4					
17	8.5			8.5	11.3		11.3		11.3				9.4	9.4					
18	8.9			8.9	11.6		11.6		11.6				9.4	9.4					
19	10.0			10.0	12.0		12.0		12.0				9.4	9.4					
20	10.3			10.3	12.0		12.0		12.0				9.4	9.4					
21	10.5			10.5	12.4		12.4		12.4				9.4	9.4					
22	11.0			11.0	12.7		12.7		12.7				9.4	9.4					
23	12.2			12.2	12.8		12.8		12.8				3.1	3.1					
24	14.6			14.6	12.7		12.7		12.7										
25	15.4			15.4	12.7		12.7		12.7										
26	15.3			15.3	13.0		13.0		13.0										
27	15.9			15.9	12.7		12.7		12.7										
28	15.3			15.3	12.0		12.0		12.0										
29	15.0			15.0	11.5		11.5		11.5										
30	15.3			15.3	14.5		14.5		14.5										
31	15.0			15.0	14.5		14.5		14.5										
<b>Total</b>	<b>328.2</b>			<b>328.2</b>	<b>402.0</b>		<b>402.0</b>	<b>61.2</b>	<b>61.2</b>				<b>420.6</b>	<b>271.6</b>	<b>149.0</b>				
Acre-feet														834					8,992
Priority Diverted								121						539					5,235
Apport Diverted														296					3,757
Apport diverted to date														64					3,757
TBI acreage		3,286.97			3,340			3,461			3,461			3,757					3,358.65
Apportioned		20,051			20,058			20,522			20,488			20,488					20,488
Duty					0.24			0.04						0.25					2.68

Diversion from South side of Gila River in SW 1/4 SW 1/4, Sec. 36, T. 6S, R 27E. Water-stage recorder and 15 R 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

2020

**FOURNESS CANAL: 210.70 Acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN					
	Total	Priority	Apport																		
1																					
2																					
3																					
4																					
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					
13																					
14																					
15																					
16													1.4		1.4						
17													1.9		1.9						
18													1.9		1.9						
19													1.9		1.9						
20													1.9		1.9						
21													1.9		1.9						
22													1.9		1.9						
23													1.9		1.9						
24													0.5		0.5						
25																					
26																					
27																					
28																					
29																					
30																					
31																					
Total																					
Acre-feet															0						
Priority Diverted															26						
Apport Diverted															26						26
Appor diverted to date															150.70						150.70
TBI acreage		133.70			133.70			152.40			150.70			150.70							150.70
Apportioned		451			451			514			508			919							919
Duty																					

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals		
	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																					26
Priority Diverted																					26
Apport Diverted																					26
Appor diverted to date																					26
TBI acreage		150.70			150.70			161.40			161.40			161.40							161.40
Apportioned		919			919			985			985			985							985
Duty																					0.16

2020

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												
1										31.2	31.2		25.6	19.5	6.1	2.5		2.5
2							16.4	16.4		33.4	33.4		18.3	18.3		5.1		5.1
3							15.4	15.4		31.5	31.5		11.1	11.1		3.2		3.2
4							18.5	18.5		30.0	30.0		1.7	1.7		0.9		0.9
5							19.2	19.2		30.3	30.3					2.0		2.0
6							16.9	16.9		30.6	30.6					10.7		10.7
7							14.4	14.4		29.5	29.5					12.3		12.3
8							22.6	22.6		29.6	29.6					13.0		13.0
9							25.5	25.5		31.6	31.6					11.4		11.4
10							26.0	26.0		33.9	33.9					12.5		12.5
11							26.1	26.1		34.0	34.0					12.8		12.8
12							28.7	28.7		31.5	31.5					13.6		13.6
13							26.4	26.4		31.5	31.5					12.7		12.7
14							25.0	25.0		31.1	31.1					12.5		12.5
15							21.7	21.7		30.5	30.5					13.3		13.3
16							20.7	20.7		28.4	28.4					13.4		13.4
17							24.8	24.8		26.1	26.1		8.0		8.0	12.7		12.7
18							30.2	30.2		25.7	25.7		9.6		9.6	11.4		11.4
19							32.0	32.0		24.8	24.8		12.3	4.9	7.4	9.6		9.6
20							30.7	30.7		19.6	19.6		13.0		13.0	12.1		12.1
21							30.5	30.5		15.6	15.6		13.5		13.5	11.7		11.7
22							31.9	31.9		14.6	14.6		12.5		12.5	12.3		12.3
23							32.1	32.1		14.8	14.8		11.3		11.3	12.1		12.1
24							33.0	33.0		14.6	14.6		11.5		11.5	10.6		10.6
25							32.4	32.4		14.4	14.4		12.6		12.6	9.7		9.7
26							30.7	30.7		15.4	15.4		12.2		12.2	10.0		10.0
27							32.1	32.1		15.4	15.4		16.0		16.0	9.7		9.7
28							32.6	32.6		14.9	14.9		8.8		8.8	10.1		10.1
29							32.8	32.8		14.5	14.5		5.1		5.1	10.6		10.6
30							31.8	31.8		22.1	17.2	4.9	1.9		1.9	10.1		10.1
31							29.7	29.7										
Total							790.8	790.8		751.1	746.2	4.9	229.6	79.2	150.4	304.6		304.6
Acre-feet								1,569			1,490			455		604		
Priority Diverted								1,569			1,480			157				
Apport Diverted											10		298		604			
Apport diverted to date											10		308		912			
TBI acreage		1,175.25			1,487.05			3,160.05			3,138.45			3,138.75		3,138.54		
Apportioned		3,961			5,011			10,649			10,577			19,146		19,145		
Duty								0.50			0.47			0.14		0.19		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport													
1	9.8			9.8		12.5	12.5		12.7		12.7				17.1	14.1		3.0	
2	9.7			9.7		12.8	12.8		12.4		12.4		7.5	1.9	5.6	25.4	12.0	13.4	
3	9.5			9.5		13.8	13.8		14.7		14.7		8.4	7.7	0.7	28.0	16.2	11.8	
4	8.9			8.9		12.6	12.6		14.3		14.3		9.1	9.1		25.5	14.1	11.4	
5	8.0			8.0		13.5	13.5		7.7		7.7		9.6	9.6		20.9	12.7	8.2	
6	8.1			8.1		14.4	14.4		2.6		2.6		9.4	9.4		22.9	14.1	8.8	
7	7.1			7.1		12.6	12.6		2.0		2.0		9.4	9.4		26.1	13.7	12.4	
8	6.4			6.4		13.1	13.1		2.0		2.0		9.5	9.5		27.0	13.7	13.3	
9	6.5			6.5		12.9	12.9		3.1		3.1		9.3	9.3		26.0	12.7	13.3	
10	6.8			6.8		11.9	11.9		14.2		14.2		9.5	9.5		28.1	14.1	14.0	
11	7.1			7.1		11.8	11.8		16.2		16.2		9.5	9.5		21.4	18.1	3.3	
12	7.6			7.6		10.3	10.3		3.8		3.8		9.7	9.7		17.6	17.6		
13	7.3			7.3		9.8	9.8						14.1	13.7	0.4	16.2	16.2		
14	7.6			7.6		9.9	9.9						18.4	13.7	4.7	15.6	15.6		
15	7.7			7.7		9.9	9.9						22.9	12.9	10.0	15.8	14.8	1.0	
16	8.0			8.0		9.9	9.9						27.4	14.1	13.3	15.7	14.8	0.9	
17	8.2			8.2		10.4	10.4						21.2	12.7	8.5	15.3	15.3		
18	9.2			9.2		12.3	12.3						18.1	13.7	4.4	19.1	14.8	4.3	
19	10.0			10.0		12.4	12.4						18.0	12.9	5.1	25.0	17.0	8.0	
20	10.9			10.9		11.4	11.4						18.1	14.1	4.0	24.8	24.8		
21	11.2			11.2		12.9	12.9						18.0	12.9	5.1	21.9	17.0	4.9	
22	11.6			11.6		12.5	12.5						17.8	12.9	4.9	17.4	16.2	1.2	
23	12.5			12.5		12.9	12.9						17.6	13.7	3.9	16.9	12.0	4.9	
24	13.5			13.5		12.8	12.8						17.7	14.1	3.6	17.6	17.6		
25	13.8			13.8		12.6	12.6						17.5	14.1	3.4	6.6	6.6		
26	13.6			13.6		13.1	13.1						17.6	14.1	3.5				
27	14.3			14.3		11.9	11.9						17.6	14.5	3.1				
28	13.2			13.2		12.3	12.3						17.2	14.8	2.4				
29	13.6			13.6		11.9	11.9						17.1	14.1	3.0				
30	13.8			13.8		12.9	12.9						17.2	13.7	3.5				
31	12.4			12.4		11.6	11.6												
Total	307.9			307.9		375.6	375.6		105.7		105.7		434.4	341.3	93.1	513.9	375.8	138.1	
Acre-feet			611			745			210					862		1,019		7,565	
Priority Diverted														677		745		4,628	
Apport Diverted			611			745			210					185		274		2,937	
Apport diverted to date			1,523			2,268			2,478				2,478		2,663		2,937		
TBI acreage		3,142.95			3,145.29			3,207.59			3,203.49			3,203.49		3,203.49		3,203.49	
Apportioned		19,172			19,186			19,566			19,541			19,541		19,541		19,541	
Duty		0.19			0.24			0.07						0.27		0.32		2.36	

2020

**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										57.7	57.7		22.0	22.0		30.0		30.0
2							43.3	43.3		57.7	57.7		22.0	22.0		30.0		30.0
3							57.7	57.7		57.7	57.7		22.0	22.0		30.0		30.0
4							57.7	57.7		57.7	57.7		22.0	20.3	1.7	30.0		30.0
5							57.7	57.7		57.7	57.7		22.0	7.4	14.6	22.2		22.2
6							57.7	57.7		57.7	57.7		22.0	8.9	13.1	16.6		16.6
7							57.7	57.7		57.7	57.7		22.0	8.9	13.1	16.6		16.6
8							57.7	57.7		57.7	57.7		22.0	10.8	11.2	14.2		14.2
9							57.7	57.7		57.7	57.7		22.0		22.0	14.2		14.2
10							57.7	57.7		57.7	57.7		21.5		21.5	14.2		14.2
11							57.7	57.7		57.7	57.7		5.4		5.4	14.2		14.2
12							57.7	57.7		57.7	57.7					11.7		11.7
13							57.7	57.7		57.7	57.7					11.7		11.7
14							57.7	57.7		57.7	57.7					11.7		11.7
15							57.7	57.7		57.7	57.7					11.7		11.7
16							57.7	57.7		57.7	57.7					15.4		15.4
17							57.7	57.7		57.7	57.7					12.9		12.9
18							57.7	57.7		57.7	57.7					12.9		12.9
19							57.7	57.7		57.7	57.7					7.3		7.3
20							57.7	57.7		39.2	39.2					10.4		10.4
21							57.7	57.7		24.9	24.9					10.4		10.4
22							57.7	57.7		22.0	22.0					10.4		10.4
23							57.7	57.7		22.0	22.0					9.4		9.4
24							57.7	57.7		22.0	22.0					7.4		7.4
25							57.7	57.7		22.0	22.0					7.4		7.4
26							57.7	57.7		22.0	22.0					7.4		7.4
27							57.7	57.7		22.0	22.0		22.5		22.5	7.4		7.4
28							57.7	57.7		22.0	22.0		30.0		30.0	7.4		7.4
29							57.7	57.7		22.0	22.0		30.0		30.0	7.4		7.4
30							57.7	57.7		22.0	22.0		30.0		30.0	7.4		7.4
31							57.7	57.7		57.7	57.7					7.4		7.4
<b>Total</b>							<b>1716.6</b>	<b>1716.6</b>		<b>1358.4</b>	<b>1358.4</b>		<b>359.4</b>	<b>144.3</b>	<b>215.1</b>	<b>419.9</b>		<b>419.9</b>
Acre-feet									3,405		2,694				713			833
Priority Diverted									3,405		2,694				286			
Apport Diverted															427			833
Apport diverted to date															427			1,260
TBI acreage		947.81			3,271.15			4,618.35		4,709.35			4,755.85			4,758.32		
Apportioned		3,194			11,024			15,564		15,871			29,011			29,026		
Duty								0.74		0.57			0.15			0.18		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	7.4		7.4	10.5		10.5	11.0		11.0							18.8	16.9	1.9	
2	7.4		7.4	11.7		11.7	11.0		11.0							18.8	7.5	11.3	
3	7.4		7.4	13.1		13.1	11.0		11.0							18.8	18.8		
4	7.4		7.4	13.1		13.1	11.6		11.6							41.8	16.9	24.9	
5	7.4		7.4	14.4		14.4	12.0		12.0							47.7	9.1	38.6	
6	7.4		7.4	14.4		14.4	12.0		12.0							47.6	16.9	30.7	
7	5.2		5.2	14.4		14.4	12.0		12.0							47.6	11.9	35.7	
8	4.8		4.8	11.9		11.9	12.0		12.0							47.7	11.9	35.8	
9	4.8		4.8	11.0		11.0	10.9		10.9							47.7	9.1	38.6	
10	4.8		4.8	11.0		11.0	10.2		10.2							47.7	16.9	30.8	
11	4.8		4.8	7.9		7.9	10.2		10.2							47.7	45.0	2.7	
12	5.2		5.2	7.9		7.9	2.3		2.3							47.7	47.7		
13	5.2		5.2	7.9		7.9										47.7	31.1	16.6	
14	5.2		5.2	7.9		7.9										47.7	31.1	16.6	
15	5.2		5.2	7.9		7.9										47.7	25.5	22.2	
16	6.3		6.3	7.9		7.9										47.7	25.5	22.2	
17	6.3		6.3	7.9		7.9							6.2	6.2		47.7	33.9	13.8	
18	7.4		7.4	7.9		7.9							9.3	9.3		47.7	25.5	22.2	
19	7.4		7.4	9.1		9.1							9.3	9.3		47.7	39.2	8.5	
20	7.4		7.4	9.1		9.1							9.3	9.3		47.7	47.7		
21	7.4		7.4	9.1		9.1							9.3	9.3		31.5	31.5		
22	7.4		7.4	10.5		10.5							9.3	9.3		20.0	20.0		
23	9.5		9.5	10.5		10.5							15.6	11.9	3.7	20.0	7.5	12.5	
24	11.6		11.6	10.5		10.5							18.7	16.9	1.8	20.0	20.0		
25	13.0		13.0	10.5		10.5							18.7	16.9	1.8	7.5	7.5		
26	13.0		13.0	10.5		10.5							18.7	16.9	1.8				
27	13.0		13.0	10.5		10.5							18.7	18.7					
28	13.0		13.0	9.1		9.1							18.7	18.7					
29	11.8		11.8	8.3		8.3							18.7	16.9	1.8				
30	11.8		11.8	11.7		11.7							18.7	11.9	6.8				
31	11.8		11.8	11.7		11.7													
<b>Total</b>	<b>247.7</b>		<b>247.7</b>	<b>319.8</b>		<b>319.8</b>	<b>126.2</b>		<b>126.2</b>				<b>199.2</b>	<b>181.5</b>	<b>17.7</b>	<b>960.2</b>	<b>574.6</b>	<b>385.6</b>	
Acre-feet		491			634			250						395			1,905	11,320	
Priority Diverted																	1,140	7,885	
Apport Diverted			491		634			250							35		765	3,435	
Apport diverted to date		1,751			2,385			2,635			2,635			2,670			3,435	3,435	
TBI acreage		4,780.19			4,825.27			4,882.15		4,841.25			4,841.25			4,841.25		4,841.25	
Apportioned		29,159			29,434			29,781		29,532			29,532			29,532		29,532	
Duty		0.10			0.13			0.05					0.08			0.39		2.34	

2020

**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										43.4	43.4		42.0	19.5	22.5					
2										35.3	35.3		30.6	22.4	8.2					
3										35.6	35.6		20.4	5.5	14.9					
4										34.8	34.8		20.4	4.3	16.1					
5										33.8	33.8		22.8	0.9	21.9					
6										34.7	34.7		40.0	1.5	22.0					
7										40.8	40.8		43.4	1.5	17.4					
8										40.7	40.7		42.8	1.8	15.0					
9										42.6	42.6		43.6							
10										40.9	40.9		43.5		6.2					
11										40.8	40.8		43.4		9.1					
12										42.6	42.6		43.3		9.3					
13										43.4	43.4		43.1		8.6					
14										26.3	26.3		43.4		9.1					
15										38.6	38.6		43.3		10.7					
16										31.9	31.9		43.0		9.6					
17										42.7	42.7		42.9		11.2					
18										43.2	43.2		42.8		13.4					
19										43.6	43.6		43.2	0.5	12.7					
20										43.2	43.2		43.4		13.2					
21										42.8	42.8		43.6		11.0					
22										42.7	42.7		43.6		9.9					
23										43.2	43.2		43.2	3.0	9.5					
24										42.4	42.4		40.6		9.1					
25										42.9	42.9		36.3		8.4					
26										43.1	43.1		35.8		3.6					
27										43.1	43.1		35.2	12.8	22.4					
28										43.4	43.4		38.0		38.0					
29										43.5	43.5		38.5		38.5					
30										42.9	42.9		42.9	30.6	12.3					
31										43.2	43.2		40.4		80.3	323.1				
<b>Total</b>										1137.8	1137.8		1243.8	1197.4	46.4	763.9	138.2	625.7		
Acre-feet									2257			2467			0					
Priority Diverted									2257			2375			159					
Apport Diverted												92			641					
Apport diverted to date												92			733				733	
TBI acreage	1204.95			1652.55			3486.55			3486.65			3493.90						3495.20	
Apportioned	4061			5569			11750			11750			21313						21321	
Duty							0.65			0.71										

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals	
	Total	Priority	Apport																	
1																10.6	4.2	6.4		
2																10.4	0.9	9.5		
3																10.4	9.2	1.2		
4																6.8	4.2	2.6		
5																				
6																				
7																				
8																				
9																				
10																				
11																				
12																				
13																				
14																				
15																				
16																				
17													8.9	1.5	7.4					
18													13.2	2.8	10.4					
19													12.9	1.8	11.1					
20													12.6	4.2	8.4					
21													12.4	1.8	10.6					
22													12.3	1.8	10.5					
23													11.3	2.8	8.5					
24													10.9	4.2	6.7					
25													12.0	4.2	7.8					
26													12.3	4.2	8.1					
27													12.5	4.3	8.2					
28													12.7	5.5	7.2					
29													10.8	4.2	6.6					
30													10.4	2.8	7.6					
31																				
<b>Total</b>													165.2	46.1	119.1	38.2	18.5	19.7		
Acre-feet															328			76		6927
Priority Diverted															91			37		4919
Apport Diverted															236			39		1008
Apport diverted to date									733			733			969			1008		1008
TBI acreage	3496.70			3497.20			3493.10			3477.61			3477.61			3477.61				3,477.61
Apportioned	21330			21333			21308			21213			21213			21213				21213
Duty															0.09			0.02		1.70

Diversion from North side of Gila River in NW 14 NE 14, Sec. 9, T. 7S, R. 26E. Water-stage recorder and 8 ft Parshall flume located in SW 14 SW 14, Sec. 4, T. 7S, R. 26E.

Record Good

2020

**SMITHVILLE CANAL: 2,428.63 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										24.8	24.8		12.0	12.0					
2										24.3	24.3		13.2	13.2					
3										8.9	8.9		13.2	12.7	0.5				
4										13.1	13.1		24.0	11.8	1.4				
5										14.1	14.1		23.4	23.4	13.2				
6										14.7	14.7		23.6	23.6	13.1	3.7	9.4		
7										15.1	15.1		23.3	23.3	12.3	3.7	8.6		
8										14.6	14.6		23.6	23.6	11.9	6.8	5.1		
9										21.4	21.4		24.3	24.3	10.7		10.7		
10										23.6	23.6		20.1	20.1	10.2		10.2		
11										24.0	24.0		16.9	16.9	10.2		10.2		
12										24.0	24.0		16.9	16.9	10.2		10.2		
13										24.2	24.2		16.9	16.9	10.1		10.1		
14										23.3	23.3		16.8	16.8	9.7		9.7		
15										22.0	22.0		10.8	10.8	10.2		10.2		
16										21.9	21.9		6.9	6.9	4.3		4.3		
17										23.5	23.5		6.9	6.9					
18										24.0	24.0		6.9	6.9					
19										24.0	24.0		6.9	6.9					
20										23.9	23.9		6.9	6.9					
21										8.7	8.7		6.9	6.9					
22										10.6	10.6		23.3	23.3					
23										10.6	10.6		23.3	23.3					
24										10.6	10.6		22.5	22.5					
25										10.6	10.6		24.0	24.0					
26										4.5	4.5		24.0	24.0					
27										24.0	24.0		7.4	7.4					
28										24.0	24.0		7.4	7.4					
29										24.0	24.0		7.4	7.4					
30										24.0	24.0		7.5	7.5					
31										24.0	24.0		7.5	7.5					
<b>Total</b>				55.6	55.6		621.4	621.4		421.4	421.4		185.3	71.6	113.7				
Acre-feet					110			1233			836			368					
Priority Diverted					110			1233			836			142					
Apport Diverted														226					
Appor diverted to date														226				226	
TBI acreage	441.13			1130.94			1952.33			1989.13			1987.33			1987.33			
Apportioned	1487			3811			6579			6703			12123			12123			
Duty				0.10			0.63			0.42			0.19						

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals	
	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																				
<b>Total</b>																				
Acre-feet																				2,547
Priority Diverted																				2,321
Apport Diverted																				226
Appor diverted to date																				226
TBI acreage	1990.45			1992.29			2008.21			2005.71			2005.71			2005.71			2,005.71	
Apportioned	12142			12153			12250			12235			12235			12235			12235	
Duty																				1.27

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

2020

**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										12.5	12.5		16.8	9.8	7.0			
2										12.5	12.5		16.8	10.1	6.7			
3										12.5	12.5		16.8	5.3	11.5			
4										15.3	15.3		16.8	4.5	12.3			
5										16.8	16.8		16.8	0.8	16.0			
6										16.8	16.8		16.8	1.3	15.5			
7										16.8	16.8		12.0	1.3	10.7			
8										16.8	16.8		9.3	2.2	7.1			
9										16.8	16.8		3.2		3.2			
10										16.8	16.8							
11										16.8	16.8							
12										16.8	16.8							
13										16.8	16.8							
14										16.8	16.8							
15										16.8	16.8							
16										16.8	16.8							
17										16.8	16.8							
18										16.8	16.8							
19										16.8	16.8							
20							9.1	9.1		16.8	16.8							
21							12.5	12.5		16.8	16.8							
22							12.5	12.5		16.8	16.8							
23							12.5	12.5		16.8	16.8							
24							12.5	12.5		16.8	16.8							
25							12.5	12.5		16.8	16.8							
26							12.5	12.5		16.8	16.8							
27							12.5	12.5		16.8	10.1	6.7						
28							12.5	12.5		16.8	12.1	4.7						
29							12.5	12.5		16.8	16.8							
30							12.5	12.5		16.8	9.1	7.7						
31							12.5	12.5		16.8	16.8							
<b>Total</b>							146.6	146.6		489.6	470.5	19.1	267.4	45.4	96.7			
Acre-feet								291			971			282				
Priority Diverted								291			933			90				
Apport Diverted											38			192				
Apport diverted to date											38			230			230	
TBI acreage	773.70			904.70			1,703.40			1,711.40			1,711.40			1,711.40		
Apportioned	2,607			3,049			5,740			5,767			10,440			10,440		
Duty							0.17			0.57			0.16					

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	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																			
<b>Total</b>																			
Acre-feet																			1,544
Priority Diverted																			1,314
Apport Diverted																			230
Apport diverted to date																			230
TBI acreage	1,801.40			1,806.70			1,938.40			1,938.10			1,938.10			1,938.10		1,938.10	
Apportioned	10,989			11,021			11,824			11,822			11,822			11,822		11,822	
Duty																			0.80

# 2020

## CURTIS CANAL: 1,971.70 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport															
1										18.2	18.2		18.3	16.5	1.8	6.8		6.8
2										18.0	18.0		19.2	16.6	2.6	6.6		6.6
3										18.7	18.7		18.3	12.5	5.8	6.8		6.8
4										17.0	17.0		19.6	10.4	9.2	6.6		6.6
5										17.1	17.1		12.3		12.3	6.2		6.2
6										15.7	15.7		19.0		19.0	5.7		5.7
7										19.3	19.3		11.8		11.8	6.7		6.7
8										18.0	18.0		16.5	0.3	16.2	6.9		6.9
9								15.8	15.8	17.7	17.7		13.9		13.9	7.2		7.2
10								17.3	17.3	18.6	18.6		14.1		14.1	7.6		7.6
11								16.8	16.8	16.0	16.0		18.5		18.5	7.6		7.6
12								17.8	17.8	16.7	16.7		11.0		11.0	7.1		7.1
13		2.2	2.2					16.8	16.8	19.5	19.5		17.2		17.2	7.7		7.7
14		3.4	3.4					19.6	19.6	19.0	19.0		17.2		17.2	6.3		6.3
15		3.1	3.1					19.2	19.2	18.7	18.7		18.5		18.5	6.1		6.1
16		3.1	3.1					17.1	17.1	17.1	17.1		16.2		16.2	6.0		6.0
17		2.5	2.5					16.3	16.3	17.7	17.7		15.5		15.5	5.4		5.4
18		0.9	0.9					16.9	16.9	17.8	17.8		12.5		12.5	5.3		5.3
19								17.3	17.3	18.6	18.6		11.0		11.0	4.3		4.3
20								16.7	16.7	18.9	18.9		10.5		10.5	4.2		4.2
21								17.7	17.7	19.2	19.2		9.7		9.7	4.3		4.3
22								17.1	17.1	19.5	19.2	0.3	8.9		8.9	4.8		4.8
23								17.8	17.8	16.7	16.7		8.2		8.2	6.5		6.5
24								17.6	17.6	19.4	19.4		7.7		7.7	6.5		6.5
25								18.4	18.4	18.6	18.6		7.2		7.2	6.5		6.5
26								18.7	18.7	18.5	18.5		7.6		7.6	6.9		6.9
27								18.5	18.5	18.1	16.4	1.7	7.1		7.1	8.2		8.2
28								18.1	18.1	19.2	19.2		15.1		15.1	3.1		3.1
29								18.5	18.5	18.6	18.6		14.0		14.0	1.7		1.7
30								18.8	18.8	17.8	16.3	1.5	14.5		14.5	2.8		2.8
31								18.4	18.4						72.9			
Total	15.2	15.2					407.2	407.2		545.5	542.0	3.5	430.6	72.9	354.8	178.4		178.4
Acre-feet		30						808			1,082			854				354
Priority Diverted		30						808			1,075			145				
Apport Diverted											7			709				354
Apport diverted to date														7				1,070
TBI acreage		338.54			349.94			1,571.64			1,580.24			1,595.74				1,595.59
Apportioned		1,141			1,179			5,296			5,325			9,734				9,733
Duty		0.09						0.51			0.68			0.54				0.22

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport																
1	3.0		3.0	2.1		2.1	1.5		1.5										
2	1.9		1.9	1.9		1.9	0.8		0.8										
3	2.3		2.3	3.3		3.3	0.8		0.8										
4	3.0		3.0	3.0		3.0													
5	2.1		2.1	1.9		1.9													
6	2.3		2.3	2.3		2.3													
7	2.9		2.9	1.5		1.5													
8	2.4		2.4	1.7		1.7													
9	2.3		2.3	2.3		2.3													
10	2.3		2.3	1.3		1.3													
11	2.3		2.3	2.3		2.3													
12	2.3		2.3	1.5		1.5													
13	2.3		2.3	1.5		1.5													
14	2.3		2.3	1.5		1.5													
15	2.3		2.3	1.5		1.5													
16	2.3		2.3	1.5		1.5												0.4	0.4
17	1.5		1.5	1.5		1.5												0.9	0.9
18	1.6		1.6	1.6		1.6												1.3	1.3
19	2.7		2.7	2.7		2.7												1.2	1.2
20	1.4		1.4	1.4		1.4												1.3	1.3
21	1.1		1.1	1.1		1.1				0.2		0.2	1.3	0.3	1.0	1.3	1.3		
22	1.9		1.9	1.9		1.9				0.8		0.8	2.3	0.3	2.0	1.1	1.1		
23	1.5		1.5	1.5		1.5				1.1		1.1	2.7	1.1	1.6	1.1			1.1
24	3.2		3.2	1.7		1.7				0.7		0.7	1.4	1.4		1.1		1.1	
25	1.1		1.1	1.1		1.1				0.8		0.8	0.6	0.6		1.1		1.1	
26	1.8		1.8	3.5		3.5				1.4		1.4	0.5	0.5		1.1		1.1	
27	1.6		1.6	2.7		2.7				0.9		0.9	0.6	0.6		3.0		3.0	
28	0.4		0.4	12.4		12.4										4.8		4.8	
29	1.9		1.9	12.6		12.6										4.9		3.8	1.1
30	2.9		2.9	12.4		12.4										5.1		3.8	1.3
31	3.1		3.1	12.6		12.6										4.8			4.8
Total	66.0		66.0	101.8		101.8	3.1		3.1	5.9		5.9	9.4	4.8	4.6	34.5	26.2	8.3	
Acre-feet		131			202			6			12			19				68	3,566
Priority Diverted														10				52	2,120
Apport Diverted		131			202			6			12			9				16	1,446
Apport diverted to date																			1,446
TBI acreage		1,201			1,403			1,409			1,421			1,430					1,446
Apportioned		9,733			9,733			9,901			9,575			9,575					9,575
Duty		0.08			0.13						0.01			0.01					0.04

Diversions from North side of Gila River in SW 1/4 SW 1/4, Sec. 7, T. 8S, R. 24E. Water-stage recorder and 6 ft Parshall flume located in NW 1/4 SE 1/4, Sec. 12, T. 8S, R. 24E.

Record Good

2020

**FT. THOMAS CANAL: 2,624.30 Acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport									
1										13.6	13.6		13.7	3.9	9.8	13.6		13.6
2										13.6	13.6		10.3	7.7	2.6	13.7		13.7
3										13.7	13.7		13.7	1.9	11.8	13.4		13.4
4										10.8	10.8		9.9	1.9	8.0	12.8		12.8
5										7.6	7.6		15.1	0.5	14.6	11.8		11.8
6										8.1	8.1		13.9	0.5	13.4	10.8		10.8
7										8.5	8.5		13.7	0.5	13.2	10.0		10.0
8										8.4	8.4		13.6	0.5	13.1	9.1		9.1
9										8.2	8.2		13.4		13.4	8.8		8.8
10								5.0	5.0	8.0	8.0		14.7		14.7	8.1		8.1
11								8.1	8.1	8.3	8.3		14.7		14.7	7.6		7.6
12								7.8	7.8	8.3	8.3		14.7		14.7	6.4		6.4
13								9.0	9.0	8.8	8.8		14.4		14.4	5.7		5.7
14								9.6	9.6	9.9	9.9		14.8		14.8	3.7		3.7
15								10.0	10.0	8.8	8.8		14.7		14.7	2.8		2.8
16								8.7	8.7	8.0	8.0		14.7		14.7	1.7		1.7
17								7.3	7.3	4.3	4.3		14.7		14.7	1.1		1.1
18								7.5	7.5	1.7	1.7		14.6		14.6	0.8		0.8
19								7.5	7.5	2.5	2.5		14.6		14.6	0.2		0.2
20								7.8	7.8	4.1	4.1		14.4		14.4			
21								7.8	7.8	4.1	4.1		14.4		14.4			
22								10.9	10.9	3.9	3.9		14.4		14.4			
23								13.2	13.2	3.9	3.9		14.4		14.4			
24								12.0	12.0	3.8	3.8		14.4		14.4	0.3		0.3
25								15.0	15.0	3.8	3.8		14.4		14.4	0.4		0.4
26								14.9	14.9	3.8	3.8		14.3		14.3	4.2		4.2
27								15.1	15.1	3.8	3.8		14.9		14.9	7.5		7.5
28								15.0	15.0	3.6	3.6		14.6		14.6	7.7		7.7
29								15.1	15.1	2.8	2.8		14.4		14.4	6.2		6.2
30								14.5	14.5	6.5	2.7	3.8	14.1		14.1	4.8		4.8
31								13.8	13.8									
Total								235.6	235.6	205.2	201.4	3.8	436.3	25.1	411.2	173.2		173.2
Acre-feet										467		407		865		344		
Priority Diverted										467		399		50				
Apport Diverted												8		816		344		
Apport diverted to date												8		824		1168		
TBI acreage		929.53			962.63			1207.73			1213.83		1213.83			1213.83		
Apportioned		3133			3244			4070			4091		7404			7404		
Duty								0.39			0.34		0.71			0.28		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport										
1	4.6		4.6				0.8		0.8										
2	4.5		4.5	3.7		3.7	0.8		0.8										
3	4.5		4.5	3.6		3.6	0.8		0.8										
4	4.7		4.7	5.5		5.5													
5	4.9		4.9	6.6		6.6													
6	4.3		4.3	6.7		6.7													
7	4.3		4.3	6.4		6.4													
8	4.2		4.2	6.1		6.1													
9	3.6		3.6	5.8		5.8													
10	0.8		0.8	4.2		4.2	0.2		0.2										
11	0.8		0.8	3.3		3.3	0.2		0.2										
12	0.6		0.6	2.9		2.9	0.2		0.2										
13	0.6		0.6	2.5		2.5													
14	0.6		0.6	1.8		1.8													
15				2.1		2.1													
16				2.5		2.5													
17	0.9		0.9	3.0		3.0													
18	1.3		1.3	3.1		3.1													
19	0.9		0.9	2.2		2.2													
20	0.8		0.8	1.8		1.8													
21	0.4		0.4	3.3		3.3										0.1	0.1		
22	0.4		0.4	3.6		3.6										0.1	0.1		
23	0.1		0.1	3.6		3.6										0.1	0.1		
24				1.0		1.0										0.1	0.1		
25	1.7		1.7	1.5		1.5										0.1	0.1		
26	2.4		2.4	2.5		2.5										0.1	0.1		
27	0.6		0.6	2.5		2.5										0.1	0.1		
28				3.7		3.7										0.1	0.1		
29				2.8		2.8										0.1	0.1		
30	0.4		0.4	6.1		6.1										0.1	0.1		
31				0.9		0.9										0.1	0.1		0.1
Total	52.9		52.9	105.3		105.3	3.0		3.0							1.1	1.0		0.1
Acre-feet			105			209			6									2	2,406
Priority Diverted																		2	916
Apport Diverted			105			209			6										1,488
Apport diverted to date			1273			1482			1488			1488				1488			1,488
TBI acreage		1214.73			1249.83			1269.63			1269.63		1269.63		1269.63				1,269.63
Apportioned		7410			7624			7745			7745		7745		7745				7,745
Duty		0.09			0.17														1.90

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. 6S, R. 24E.

Record Good

2020

**COLVIN-JONES CANAL: 205.90 Acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	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																		
Apport diverted to date																		
TBI acreage																		
Apportioned																		
Duty																		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport																
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
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22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total																			
Acre-feet																			
Priority Diverted																			
Apport Diverted																			
Apport 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

# 2020

**SAN CARLOS APACHE TRIBE: 1,000 acres**

Mean daily diversions, cubic feet per second

DAY	JAN				FEB				MAR				APR				MAY				JUN			
	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat	Total	Black Point	Navajo Point	Anderson Flat
1																								
2																								
3																								
4																								
5																								
6																								
7																								
8																								
9																								
10																								
11																								
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22																								
23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31																								
Total																								
Acre-feet Diverted to date																								
TBI Acreage Duty	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!																				

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																									
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23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
Total																									
Acre-feet Diverted to date																									
TBI Acreage Duty	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!																				

# 2020

## 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	3.9	6.6	5.8	14.4	8.5	11.4	10.1	10.5	9.0	7.2	9.5	7.1
2	6.1	6.4	5.9	5.8	8.7	13.3	9.8	10.9	8.9	6.7	9.4	7.3
3	6.1	6.6	5.8	13.3	8.6	5.2	11.2	10.3	8.9	5.9	9.7	7.0
4	6.6	6.3	5.8	10.7	8.9	9.2	10.4	10.5	9.0	6.8	9.4	7.1
5	6.3	6.5	5.8	11.5	9.4	7.3	10.6	10.2	8.8	7.0	9.8	7.2
6	6.7	6.0	6.0	9.8	9.1	5.2	10.4	10.6	9.1	8.3	9.6	7.0
7	6.6	6.7	6.4	14.2	9.4	9.1	10.7	10.3	9.0	8.3	9.8	6.8
8	6.6	6.9	5.4	11.7	8.8	9.6	11.2	10.5	9.1	8.5	9.5	6.9
9	6.5	6.5	2.7	15.5	9.0	9.6	10.7	10.3	9.3	7.3	9.3	7.0
10	6.1	6.6	0.5	11.4	9.1	9.4	10.4	10.3	9.1	9.3	9.4	7.1
11	6.5	6.4	4.6	11.7	9.2	9.9	10.3	10.2	9.0	9.4	9.5	7.1
12	6.3	4.7	5.7	11.5	9.6	10.7	10.9	10.4	8.9	2.6	9.2	7.0
13	6.5	6.4	5.7	11.7	9.4	9.8	10.5	10.7	8.9	4.3	11.0	7.0
14	6.5	6.3	5.7	11.0	9.2	9.5	10.8	10.3	9.1	8.3	8.4	6.9
15	6.2	6.4	5.6	10.4	9.2	9.9	10.1	10.6	9.3	4.9	9.6	6.9
16	6.7	6.3	5.6	10.6	9.5	9.9	10.2	8.4	9.2	8.8	9.5	3.2
17	7.1	6.3	5.7	11.0	9.5	9.6	10.5	8.5	9.2	8.0	8.9	4.1
18	7.5	6.8	6.2	9.9	4.3	6.3	10.5	9.1	9.3	8.7	4.7	4.1
19	6.2	6.5	5.6	11.5	5.0	5.2	10.6	9.2	9.0	9.2	4.2	6.6
20	2.7	6.4	5.7	13.0	8.8	9.3	10.8	9.1	9.0	8.9	7.7	6.6
21	2.8	6.3	5.7	11.9	8.8	10.1	10.5	9.0	2.6	9.6	8.4	6.7
22	7.2	6.7	5.7	11.7	8.7	9.6	10.5	8.4	0.7	9.8	7.6	6.5
23	6.8	7.7	6.0	8.2	8.8	9.4	10.1	9.6	0.8	9.6	7.9	6.6
24	6.6	6.5	5.6	11.7	8.8	9.7	10.4	9.2	3.5	7.6	8.1	6.6
25	6.5	5.9	5.7	11.2	9.2	9.9	10.1	9.1	6.9	9.3	8.6	6.7
26	6.4	5.8	5.9	15.1	9.1	9.9	10.0	9.0	6.8	9.2	8.3	6.5
27	6.6	5.7	5.8	17.9	9.3	9.5	10.4	9.0	6.5	9.7	8.1	7.0
28	6.5	5.8	5.9	18.0	9.3	9.6	10.8	9.0	6.9	9.7	8.1	7.6
29	6.4	5.8	6.7	15.2	10.0	9.7	8.7	8.8	6.4	9.5	8.2	8.8
30	6.6		5.0	17.0	9.9	10.0	9.6	8.7	7.5	9.4	8.3	5.8
31	6.3		5.8		9.8		10.3	9.1		9.5		8.5
<b>Total CFS</b>	192.4	183.8	170.0	368.5	274.9	276.8	322.1	299.8	229.7	251.3	259.7	207.3
<b>Total Acre-Feet</b>	382	365	337	731	545	549	639	595	456	498	515	411
<b><u>ASARCO Reported Ac-ft.</u></b>												
<b>Reported</b>	382	365	338	402	546	549	639	594	456	498	515	411
<b>Reported Year-to-Date</b>	382	747	1,085	1,487	2,033	2,582	3,221	3,815	4,271	4,769	5,284	5,695
<b><u>Tabulations in Ac-ft</u></b>												
<b>Allocation diverted</b>	382	365	337	731	545	549	639	595	456	498	515	411
<b>Previous Alloc. Div</b>		382	747	1,084	1,815	2,360	2,909	3,548	4,143	4,599	5,097	5,612
<b>Alloc. Div to date</b>	382	747	1,084	1,815	2,360	2,909	3,548	4,143	4,599	5,097	5,612	6,023
<b>Article IX Allocation</b>	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221
<b>Allocation Remaining</b>	15,839	15,474	15,137	14,406	13,861	13,312	12,673	12,078	11,622	11,124	10,609	10,198

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

2020

**Kearny Arizona: 101.73 acres**

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.															
1	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.63	0.63		0.58	0.58	
2	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.63	0.63		0.57	0.57	
3	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.63	0.63		0.57	0.57	
4	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.63	0.63		0.57	0.57	
5	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.63	0.63		0.57	0.57	
6	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.62	0.62		0.57	0.57	
7	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.62	0.62		0.57	0.57	
8	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.62	0.10	0.52	0.57	0.57	
9	0.23	0.23		0.24	0.24		0.25	0.25		0.29	0.29		0.62	0.30	0.32	0.57	0.57	
10	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62	0.30	0.32	0.57	0.57	
11	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62	0.30	0.32	0.57	0.57	
12	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
13	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
14	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
15	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
16	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
17	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
18	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
19	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
20	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
21	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
22	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
23	0.23	0.23		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
24	0.22	0.22		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
25	0.22	0.22		0.24	0.24		0.25	0.25		0.28	0.28		0.62			0.62	0.57	
26	0.22	0.22		0.24	0.24		0.26	0.26		0.28	0.28		0.62			0.62	0.57	
27	0.22	0.22		0.25	0.25		0.26	0.26		0.28	0.28		0.62			0.62	0.57	
28	0.22	0.22		0.25	0.25		0.26	0.26		0.28	0.28		0.62			0.62	0.57	
29	0.22	0.22		0.25	0.25		0.26	0.26		0.28	0.28		0.62			0.62	0.57	
30	0.22	0.22		0.26	0.26		0.26	0.26		0.28	0.28		0.62			0.62	0.57	
31	0.22	0.22		0.26	0.26		0.26	0.26		0.28	0.28		0.62			0.62	0.57	
<b>Total</b>	7.1	7.1		7.0	7.0		7.8	7.8		8.5	8.5		19.3	5.4	13.9	17.1		17.1
Acre-feet	14			14			15			17			38			34		
Priority Diverted	14			14			15			17			11					
Apport Diverted													28			34		
Apport Diverted to date													28			62		
TBI Acreage	101.73			101.73			101.73			101.73			101.73			101.73		
Apportioned	343			343			343			343			621			621		
Duty	0.14			0.14			0.15			0.17			0.37			0.33		

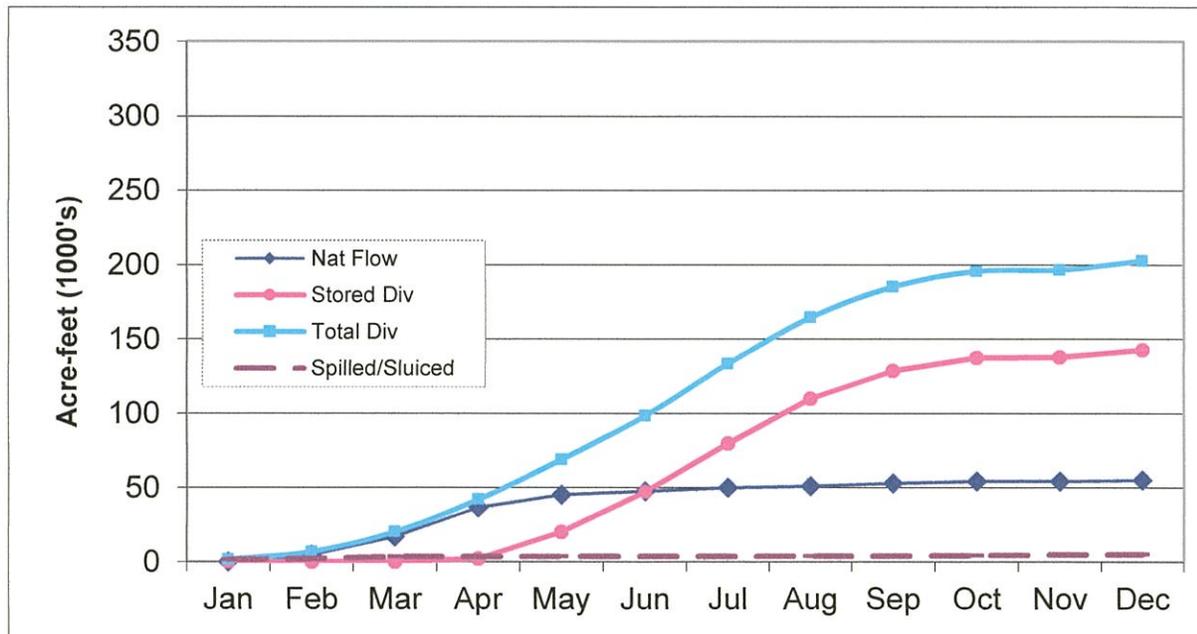
DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals	
	Total	Priority	Apport.																	
1	0.58		0.58	0.67		0.67	0.58		0.58	0.45		0.45	0.31	0.31		0.26	0.26			
2	0.58		0.58	0.67		0.67	0.58		0.58	0.45		0.45	0.31	0.30	0.01	0.26	0.26			
3	0.58		0.58	0.67		0.67	0.58		0.58	0.45		0.45	0.31	0.30	0.01	0.26	0.26			
4	0.58		0.58	0.67		0.67	0.58		0.58	0.45		0.45	0.31		0.31	0.26	0.10		0.16	
5	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.31	0.10	0.21	0.26	0.26			
6	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.31	0.30	0.01	0.26	0.26			
7	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.31	0.30	0.01	0.26	0.26			
8	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.31	0.30	0.01	0.26	0.26			
9	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.31	0.30	0.01	0.26	0.26			
10	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.30	0.30		0.26	0.26			
11	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.30	0.30		0.26	0.26			
12	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.30	0.30		0.26	0.26			
13	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.30	0.30		0.26	0.26			
14	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.30	0.30		0.26	0.26			
15	0.58		0.58	0.67		0.67	0.58		0.58	0.44		0.44	0.30	0.30		0.26	0.26			
16	0.57		0.57	0.67		0.67	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
17	0.57		0.57	0.67		0.67	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
18	0.57		0.57	0.67		0.67	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
19	0.57		0.57	0.67		0.67	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
20	0.57		0.57	0.66		0.66	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
21	0.57		0.57	0.66		0.66	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
22	0.57		0.57	0.66		0.66	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
23	0.57		0.57	0.66		0.66	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
24	0.57		0.57	0.66		0.66	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
25	0.57		0.57	0.66		0.66	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.10		0.17	
26	0.57		0.57	0.66		0.66	0.57		0.57	0.44	0.10	0.34	0.30	0.30		0.27	0.27			
27	0.57		0.57	0.66		0.66	0.57		0.57	0.44	0.10	0.34	0.30	0.30		0.27	0.27			
28	0.57		0.57	0.66		0.66	0.57		0.57	0.44	0.10	0.34	0.30	0.30		0.27	0.27			
29	0.57		0.57	0.66		0.66	0.57		0.57	0.44		0.44	0.30	0.30		0.27	0.27			
30	0.57		0.57	0.66		0.66	0.57		0.57	0.44	0.10	0.34	0.30	0.30		0.27	0.27			
31	0.57		0.57	0.66		0.66	0.57		0.57	0.44	0.10	0.34	0.30	0.30		0.27	0.27			
<b>Total</b>	17.8		17.8	20.7		20.7	17.3		17.3	13.7	0.8	12.8	9.1	8.5	0.6	8.2	7.9		0.3	
Acre-feet	35			41			34			27			18			16			303	
Priority Diverted										2			17			16			105	
Apport Diverted	35			41			34			25			1			1			199	
Apport Diverted to date	97			138			172			197			198			199			199	
TBI Acreage	101.73			101.73			101.73			101.73			101.73			101.73			101.73	
Apportioned	621			621			621			621			621			621			621	
Duty	0.34			0.40			0.33			0.27			0.18			0.16			2.99	

# 2020

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

In Acre-Feet

Month	Accumulated		Monthly Total Diversions	Accumulated	
	Natural Flow Diversions	Stored Water Diversions		Total Diversions	Spilled and Sluiced
Jan				1,527	1,527
Feb	4,610		4,610	6,631	2,021
Mar	16,764		16,764	20,048	3,284
Apr	36,507	2,045	38,552	41,836	3,284
May	45,075	20,057	65,132	68,739	3,607
Jun	47,435	47,160	94,595	98,202	3,607
Jul	49,904	79,555	129,459	133,066	3,607
Aug	50,894	109,686	160,580	164,276	3,696
Sep	52,889	128,319	181,208	184,934	3,726
Oct	53,995	137,238	191,233	195,372	4,139
Nov	53,995	137,675	191,670	196,364	4,694
Dec	54,866	142,576	197,442	202,562	5,120
Graph:	Nat Flow Div	Stored Div		Total Div	Spill/Sluice



# 2020

## 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

2020	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
1			200	
2			100	
3			40	
4			35	
5			10	
6			50	
7			40	
8			35	
9			35	
10			10	
11			10	
12			10	
13			10	
14			10	
15			10	
16			5	
17			5	
18			10	
19			10	
20			10	
21			10	
22			10	
23			10	
24			10	
25			20	
26			15	
27			10	
28			10	
29			10	
30			10	
31			10	
<b>Total</b>			<b>770</b>	
<b>Ac-Ft To Date</b>			<b>1527</b>	
<b>Duty</b>			<b>1527</b>	

FEBRUARY

T. B. I. 31,118.29 Acres

	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
			13	
			12	
			12	
			12	
			12	
			77	
	57.5	57.5	20	
	81.3	81.3	3	
	83.1	83.1	3	
	66.8	66.8	3	
	65.4	65.4	3	
	67.2	67.2	3	
	62.7	62.7	3	
	62.3	62.3	3	
	62.5	62.5	3	
	62.6	62.6	3	
	63	63	3	
	63	63	3	
	63	63	3	
	62	62	3	
	62	62	3	
	69	69	3	
	151	151	46	
	282	282		
	222	222		
	183	183		
	144	144		
	144	144		
	145	145		
<b>Total</b>	<b>2324</b>	<b>2324</b>	<b>249</b>	
<b>Ac-Ft To Date</b>	<b>4610</b>	<b>4610</b>	<b>494</b>	
<b>Duty</b>	<b>4610</b>	<b>4610</b>	<b>2021</b>	

MARCH

T. B. I. 31,995.45 Acres

	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
	192	192		
	184	184		
	175	175		
	163	163		
	165	165		
	177	177		
	178	178		
	178	178		
	176	176		
	173	173		
	145	145		
	118	118		
	113	113		
	187	187	25	
	176	176	30	
	153	153	10	
	156	156	10	
	150	150	5	
	185	185	15	
	271	271	422	
	152	152	85	
	210	210	25	
	202	202		
	264	264		
	260	260		
	252	252		
	252	252		
	266	266	10	
	280	280		
	284	284		
	292	292		
<b>Total</b>	<b>6128</b>	<b>6128</b>	<b>637</b>	
<b>Ac-Ft To Date</b>	<b>12154</b>	<b>12154</b>	<b>1263</b>	
<b>Duty</b>	<b>16764</b>	<b>16764</b>	<b>3284</b>	

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...

# 2020

## 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

2020	Diverted		Passing Dam	
	Total	Stored	Natural Flow	Spill Sluice
1	306		306	
2	311		311	
3	321		321	
4	325		325	
5	335		335	
6	335		335	
7	335		335	
8	336		336	
9	335		335	
10	343		343	
11	366		366	
12	370		370	
13	365		365	
14	357		357	
15	356		356	
16	355		355	
17	356		356	
18	357		357	
19	366		366	
20	373		373	
21	375	5	370	
22	379.8	22	357.8	
23	391.8	38	353.8	
24	401.8	70	331.8	
25	418.8	103	315.8	
26	418.8	121	297.8	
27	418.8	135	283.8	
28	418	150	268	
29	425	181	244	
30	434	206	228	
31				
Total	10985	1031	9954	
Ac-Ft	21788	2045	19743	
To Date	38552	2045	36507	3284
Duty	1.08			

MAY

T. B. I. 34,244.09 Acres

	Diverted		Passing Dam	
	Total	Stored	Natural Flow	Spill Sluice
	434	217	217	
	433	181	252	
	439	209	230	
	432	224	208	
	408	217	191	20
	390	182	208	20
	401	215	186	10
	432	251	181	
	454	272	182	
	442	269	173	
	443	276	167	
	440	269	171	
	439	269	170	
	440	272	168	
	439	276	163	
	436	281	155	8
	397	285	112	47
	404	295	109	40
	430	299	131	10
	434	312	122	8
	436	326	110	
	444	347	97	
	450	355	95	
	451	362	89	
	451	361	90	
	450	366	84	
	449	370	79	
	438	373	65	
	423	378	45	
	422	383	39	
	421	389	32	
	13401	9081	4320	163
	28580	18012	8568	323
	65132	20057	45075	3607
	1.95			

JUNE

T. B. I. 35,043.48 Acres

	Diverted		Passing Dam	
	Total	Stored	Natural Flow	Spill Sluice
	420	395	25	
	419	399	20	
	417	402	15	
	421	404	17	
	453	422	31	
	487	442	45	
	484	440	44	
	483	438	45	
	483	437	46	
	482	436	46	
	474	435	39	
	493	448	45	
	499	452	47	
	509	472	37	
	529	489	40	
	516	451	65	
	470	420	50	
	467	421	46	
	467	420	47	
	477	441	36	
	502	459	43	
	503	460	43	
	503	460	43	
	505	460	45	
	514	478	36	
	551	517	34	
	581	540	41	
	583	540	43	
	582	541	41	
	581	545	36	
Total	14854	13664	1190	
Ac-Ft	29463	27103	2360	
To Date	94595	47160	47435	3607
Duty	2.83			

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

# 2020

## 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

2020	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spill	Sluice	
1	583	545	38			
2	600	544	56			
3	604	545	59			
4	592	547	45			
5	588	548	40			
6	586	549	37			
7	589	556	33			
8	588	552	36			
9	589	560	29			
10	595	563	32			
11	581	537	44			
12	558	521	37			
13	558	522	36			
14	557	519	38			
15	558	519	39			
16	555	517	38			
17	557	517	40			
18	559	519	40			
19	555	520	35			
20	555	519	36			
21	554	518	36			
22	554	517	37			
23	554	517	37			
24	561	517	44			
25	560	510	50			
26	552	505	47			
27	546	505	41			
28	545	503	42			
29	552	507	45			
30	550	507	43			
31	546	507	39			
Total	17577	16332	1245			
Ac-Ft	34864	32395	2469			
To Date	129459	79555	49904			3607
Duty	3.87					

AUGUST

T. B. I. 32,584.94 Acres

	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spill	Sluice	
	549	507	42			
	546	531	15			
	548	532	16			
	547	528	19			
	548	521	27			
	550	529	21			
	550	529	21			
	542	520	22			
	526	510	16			
	523	510	13			
	523	510	13			
	520	510	10			
	519	509	10			
	517	509	8			
	510	509	1	10		
	523	507	16	15		
	517	507	10	20		
	551	549	2			
	552	546	6			
	491	429	62			
	398	370	28			
	397	371	26			
	422	422	2			
	463	457	6			
	465	455	10			
	466	454	12			
	463	454	9			
	463	453	10			
	467	426	41			
	15690	15191	499	45		
	31121	30131	990	89		
	160580	109686	50894	3696		
	4.80					

SEPTEMBER

T. B. I. 32,584.94 Acres

	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spill	Sluice	
	464	413	51			
	464	440	24			
	462	442	20			
	462	441	21			
	454	428	26			
	443	422	21			
	442	421	21			
	434	405	29			
	412	380	32			
	487	358	129			
	446	350	96	15		
	382	334	48			
	349	298	51			
	333	301	32			
	320	275	45			
	291	256	35			
	286	255	31			
	283	254	29			
	281	255	26			
	279	253	26			
	279	254	25			
	274	248	26			
	266	245	21			
	264	244	20			
	264	244	20			
	263	244	19			
	262	243	19			
	261	243	18			
	256	232	24			
	237	216	21			
Total	10400	9394	1006	15		
Ac-Ft	20628	18633	1995	30		
To Date	181208	128319	52889	3726		
Duty	5.64					

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

# 2020

## 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

2020	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spilled	Sluice	
1	235	216	19			
2	235	216	19			
3	234	216	18			
4	233	214	19			
5	233	214	19			
6	229	206	23			
7	220	201	19			
8	217	194	23			
9	204	184	20			
10	203	184	19			
11	202	183	19			
12	202	183	19			
13	201	183	18			
14	200	182	18			
15	200	182	18			
16	200	182	18			
17	199	182	17			
18	199	181	18			
19	199	181	18			
20	200	181	19			
21	201	180	21			
22	200	180	20			
23	201	180	21			
24	174	74	100			
25	33	17	16	60		
26				53		
27	1	1		25		
28				20		
29				20		
30				15		
31				15		
Total	5055	4497	558	208		
Ac-Ft	10025	8919	1106	413		
To Date	191233	137238	53995	4139		
Duty	6.4					

NOVEMBER

T. B. I. 27,322.18 Acres

2020	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spilled	Sluice	
1				15		
2				10		
3				10		
4				10		
5				10		
6				5		
7				5		
8				5		
9				10		
10				10		
11				10		
12				10		
13				15		
14				15		
15				15		
16				5		
17				5		
18				5		
19				5		
20				5		
21				5		
22				5		
23				5		
24				5		
25				5		
26				5		
27				5		
28				5		
29	75	75		50		
30	145	145		10		
31						
Total	220	220		280		
Ac-Ft	437	437		555		
To Date	191670	137675	53995	4694		
Duty	6.42					

DECEMBER

T. B. I. 27,322.18 Acres

2020	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spilled	Sluice	
1	160	157	3			
2	135	128	7			
3	140	138	2			
4	168	168				
5	189	175	14			
6	196	181	15			
7	199	183	16			
8	201	183	18			
9	203	187	16			
10	203	170	33			
11	169	118	51			
12	129	101	28			
13	124	102	22			
14	121	104	17			
15	120	92	28			
16	108	86	22			
17	107	85	22			
18	106	86	20			
19	103	27	76			
20	29		29			
21				35		
22				25		
23				25		
24				25		
25				20		
26				20		
27				20		
28				15		
29				15		
30				15		
31						
Total	2910	2471	439	215		
Ac-Ft	5772	4901	871	426		
To Date	197442	142576	54866	5120		
Duty	6.61					

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

# DETERMINATION OF PRIORITY WATER

## JANUARY 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				Version 7.08		
	River Inflow	RELEASES		STORAGE	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR				
		Total	Natural Flow	Inflow Minus Outflow							Ac-ft change S C Res.	JAN		Duncan Virden	Safford
DEC 31	377			659	200				200	577	1	1924	1924	1924	
JAN 1	359			761	100				100	459	2	"	"	"	
2	342			446	40				40	382	3	"	"	"	
3	351			707	35				35	386	4	"	"	"	
4	347			518	10				10	357	5	"	"	"	
5	323			619	50				50	373	6	"	"	"	
6	311			591	40				40	351	7	"	"	"	
7	305			363	35				35	340	8	"	"	"	
8	292			663	35				35	327	9	"	"	"	
9	286			535	10				10	296	10	"	"	"	
10	280			470	10				10	290	11	"	"	"	
11	274			608	10				10	284	12	"	"	"	
12	269			408	10				10	279	13	"	"	"	
13	261			409	10				10	271	14	"	"	"	
14	250			549	10				10	260	15	"	"	"	
15	242			517	5				5	247	16	"	"	"	
16	240			659	5				5	245	17	"	"	"	
17	630			419	10				10	640	18	"	"	"	
18	812			1337	10				10	822	19	"	"	"	
19	1151			2031	10				10	1161	20	"	"	"	
20	1230			2346	10				10	1240	21	"	"	"	
21	1115			2449	10				10	1125	22	"	"	"	
22	963			1738	10				10	973	23	"	"	"	
23	1072			1792	10				10	1082	24	"	"	"	
24	1148			2187	20				20	1168	25	"	"	"	
25	1087			2135	15				15	1102	26	"	"	"	
26	985			1925	10				10	995	27	"	"	"	
27	879			1710	10				10	889	28	"	"	"	
28	798			1331	10				10	808	29	"	"	"	
29	740			1303	10				10	750	30	"	"	"	
30	687			1312	10				10	697	31	"	"	"	
31	631			1042	10				10	642					

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

12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

## FEBRUARY 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM					
	RELEASES		STORAGE			Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR				
	Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	FEB							Duncan Virden	Safford	Winkelman	Ashurst-Hayden	
JAN 31	631		631	1042	1	13			13	644	1	1924	1924	1924		
FEB 1	581		581	967	2	12			12	593	2	"	"	"		
2	542		542	1054	3	12			12	554	3	"	"	"		
3	512		512	856	4	12			12	524	4	"	"	"		
4	488	51	437	654	5	12			-39.3	449	5	"	"	"		
5	463	105	358	534	6	77			-28	435	6	"	"	"		
6	439	87	352	742	7	20	58		-9.3	430	7	"	"	"		
7	421	87	334	496	8	3	81		-2.5	419	8	"	"	"		
8	406	66	340	498	9	3	83		19.8	426	9	"	"	"		
9	387	55	332	665	10	3	67		14.5	402	10	"	"	"		
10	373	55	318	668	11	3	65		13.1	386	11	"	"	"		
11	375	55	320	503	12	3	67		14.9	390	12	"	"	"		
12	387	55	332	546	13	3	63		10.4	397	13	"	"	"		
13	572	55	517	843	14	3	62		10	582	14	"	"	"		
14	647	55	592	889	15	3	63		10.2	657	15	"	"	"		
15	735	55	680	1150	16	3	63		10	745	16	"	"	"		
16	740	55	685	1328	17	3	63		11	751	17	"	"	"		
17	717	55	662	992	18	3	63		11	728	18	"	"	"		
18	703	56	647	1257	19	3	63		10	713	19	"	"	"		
19	695	57	638	1046	20	3	62		9	704	20	"	"	"		
20	685	57	628	1142	21	3	62		8	693	21	"	"	"		
21	670	58	612	933	22	3	69		14	684	22	"	"	"		
22	675	59	616	1671	23	46	151		138	813	23	"	"	"		
23	1092	58	1034	1472	24	282	224		224	1316	24	"	"	"		
24	1277	59	1218	1496	25	222	222		163	1440	25	"	"	"		
25	1767	55	1712	2533	26	183	183		128	1895	26	"	"	"		
26	2330	52	2278	3399	27	144	144		92	2422	27	"	"	"		
27	2518	114	2404	3669	28	144	144		30	2548	28	"	"	"		
28	2466	144	2322	4710		145	145		1	2467		"	"	"		
	2227	144	2083	3727												

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

12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

## MARCH 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08				
	RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR						
	River Inflow	Total	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	MAR	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project		MAR	Duncan Virden	Safford	Winkelman
FEB 29	2466	144	144		2322	4710	1	192		192	48	2514	1	1924			1924
MAR 1	1829	143	143		1686	6640	2	184		184	41	1870	2	"	"	"	"
MAR 2	1523	143	143		1380	2147	3	175		175	32	1555	3	"	"	"	"
MAR 3	1271	144	144		1127	2104	4	163		163	19	1290	4	"	"	"	"
MAR 4	1088	163	163		925	1257	5	165		165	2	1090	5	"	"	"	"
MAR 5	939	170	170		769	1262	6	177		177	7	946	6	"	"	"	"
MAR 6	838	170	170		668	1036	7	178		178	8	846	7	"	"	"	"
MAR 7	746	170	170		576	866	8	178		178	8	754	8	"	"	"	"
MAR 8	674	169	169		505	578	9	176		176	7	681	9	"	"	"	"
MAR 9	618	145	145		473	927	10	173		173	28	646	10	"	"	"	"
MAR 10	571	94	94		477	930	11	145		145	51	622	11	"	"	"	"
MAR 11	574	78	78		496	933	12	118		118	40	614	12	"	"	"	"
MAR 12	598	78	78		520	1111	13	113		113	35	633	13	"	"	"	"
MAR 13	1992	78	78		1914	1407	14	25		187	134	2126	14	"	"	"	"
MAR 14	2370	78	78		2293	4794	15	30		176	129	2499	15	"	"	"	"
MAR 15	1994	96	96		1898	3111	16	10		153	67	2061	16	"	"	"	"
MAR 16	2478	108	108		2370	3259	17	10		156	58	2536	17	"	"	"	"
MAR 17	3013	108	108		2905	3716	18	5		150	47	3060	18	"	"	"	"
MAR 18	2845	85	85		2760	4494	19	15		185	115	2960	19	"	"	"	"
MAR 19	3750				3750	4923	20	422		271	693	4443	20	"	"	"	"
MAR 20	3910				3910	7275	21	85		152	237	4147	21	"	"	"	"
MAR 21	3281	24	24		3257	4621	22	25		210	211	3492	22	"	"	"	"
MAR 22	3435	97	97		3338	4738	23	202		202	105	3540	23	"	"	"	"
MAR 23	3195	169	169		3026	4329	24	264		264	95	3290	24	"	"	"	"
MAR 24	2903	168	168		2735	3855	25	260		260	92	2995	25	"	"	"	"
MAR 25	2565	168	168		2397	2691	26	252		252	84	2649	26	"	"	"	"
MAR 26	2174	183	183		1991	2715	27	252		252	69	2243	27	"	"	"	"
MAR 27	1881	213	213		1668	2535	28	266		266	63	1944	28	"	"	"	"
MAR 28	1663	240	240		1423	2002	29	280	10	280	40	1703	29	"	"	"	"
MAR 29	1528	249	249		1279	1737	30	284		284	35	1563	30	"	"	"	"
MAR 30	1461	266	266		1195	1396	31	292		292	26	1487	31	"	"	"	"
MAR 31	1416	276	276		1140	1965											

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

# DETERMINATION OF PRIORITY WATER

## APRIL 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR										ASHURST-HAYDEN DAM					DAILY CALL SYSTEM					Ashurst-Hayden
	RELEASES					STORAGE					ASHURST-HAYDEN DAM					COMPUTED PRIORITY YEAR					
	River Inflow	Total	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	APR	Duncan Virden	Safford	Winkelman	1924	1924	1924		
MAR 31	1416	276	276		1140	1965						1									
APR 1	1292	291	291		1001	1200						2									
2	1158	299	299		859	1204						3									
3	1045	306	306		739	995						4									
4	975	317	317		658	855						5									
5	926	318	318		608	643						6									
6	880	318	318		562	573						7									
7	843	319	319		524	717						8									
8	804	319	319		485	503						9									
9	758	337	337		421	360						10									
10	715	356	356		359	360						11									
11	693	357	357		336	72						12									
12	681	349	349		332	289						13									
13	675	346	346		329	361						14									
14	638	347	347		291	434						15									
15	599	347	347		252	217						16									
16	553	349	349		204	145						17									
17	498	357	357		141	72						18									
18	449	369	369		80	-72						19									
19	400	375	375		25	-73						20									
20	372	378	372	6	-6	-145						21									
21	373	398	373	25	-25	-217						22									
22	366	409	366	43	-43	-144						23									
23	353	432	353	79	-79	-434						24									
24	331	448	331	117	-117	-288						25									
25	313	450	313	137	-137	-217						26									
26	298	451	298	153	-153	-360						27									
27	282	452	282	170	-170	-503						28									
28	263	469	263	206	-206	-503						29									
29	244	478	244	234	-234	-502						30									
30	232	479	232	247	-247	-430															

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

# DETERMINATION OF PRIORITY WATER

**MAY 2020**

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR										ASHURST-HAYDEN DAM					DAILY CALL SYSTEM				Ashurst-Hayden
	RELEASES					STORAGE					Sluiced and/or Spilled					COMPUTED PRIORITY YEAR				
	River Inflow	Total	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	MAY	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	Duncan Virden	Safford	Winkelman	1895	1899	1915		
APR 30	232	479	232	247	-247	-430	1	434	217	217	-15	217	1895	1899	1915	1895	1899	1915		
MAY 1	275	481	275	206	-206	-643	2	433	181	252	-23	252	1899	1895	1890	1899	1895	1890		
2	259	497	259	238	-238	-643	3	439	209	230	-29	230	1885	1899	1899	1885	1899	1899		
3	251	506	251	255	-255	-612	4	432	224	208	-43	208	1884	1885	1895	1884	1885	1895		
4	244	491	244	247	-247	-881	5	20	217	191	-33	211	1879	1884	1899	1879	1884	1899		
5	236	443	236	207	-207	-354	6	20	182	208	-8	228	1880	1879	1885	1880	1879	1885		
6	227	471	227	244	-244	-850	7	10	215	186	-31	196	"	1880	1884	"	1880	1884		
7	217	502	217	285	-285	-635	8	432	251	181	-36	181	1881	"	1879	1881	1879	1879		
8	203	512	203	309	-309	-775	9	454	272	182	-21	182	Immem	1881	1880	Immem	1881	1880		
9	194	500	194	306	-306	-913	10	442	269	173	-21	173	"	Immem	"	"	"	"		
10	186	500	186	314	-314	-841	11	443	276	167	-19	167	"	"	1881	"	1881	1881		
11	193	499	193	306	-306	-629	12	440	269	171	-22	171	"	"	Immem	"	Immem	Immem		
12	192	498	192	306	-306	-767	13	439	269	170	-22	170	"	"	"	"	"	"		
13	188	497	188	309	-309	-1043	14	440	272	168	-20	168	"	"	"	"	"	"		
14	183	497	183	314	-314	-693	15	439	276	163	-20	163	"	"	"	"	"	"		
15	177	496	177	319	-319	-899	16	8	281	155	-14	155	"	"	"	"	"	"		
16	172	496	172	324	-324	-690	17	397	285	112	-13	159	"	"	"	"	"	"		
17	160	495	160	335	-335	-962	18	40	295	109	-11	149	"	"	"	"	"	"		
18	155	495	155	340	-340	-892	19	10	299	131	-14	141	1876	"	"	1876	"	"		
19	140	494	140	354	-354	-1093	20	434	312	122	-10	130	Immem	1876	"	Immem	1876	"		
20	122	493	122	371	-371	-885	21	436	326	110	-12	110	"	Immem	"	Immem	"	"		
21	113	507	113	394	-394	-1018	22	444	347	97	-16	97	"	"	1876	"	1876	1876		
22	107	510	107	403	-403	-1015	23	450	355	95	-12	95	"	"	Immem	"	Immem	Immem		
23	99	510	99	411	-411	-1010	24	451	362	89	-10	89	"	"	"	"	"	"		
24	94	504	94	410	-410	-1008	25	450	361	90	-4	90	"	"	"	"	"	"		
25	88	504	88	416	-416	-1004	26	450	366	84	-4	84	"	"	"	"	"	"		
26	84	504	84	420	-420	-1000	27	449	370	79	-5	79	"	"	"	"	"	"		
27	80	504	80	424	-424	-996	28	438	373	65	-15	65	"	"	"	"	"	"		
28	74	504	74	430	-430	-993	29	423	378	45	-29	45	"	"	"	"	"	"		
29	69	504	69	435	-435	-1253	30	422	383	39	-30	39	"	"	"	"	"	"		
30	62	504	62	442	-442	-920	31	421	389	32	-30	32	"	"	"	"	"	"		
31	55	504	55	449	-449	-983														

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

# DETERMINATION OF PRIORITY WATER

## JUNE 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08				
	RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR						
	River Inflow	Total	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	JUN	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project		JUN	Duncan Virden	Safford Immem	Winkelman Immem
MAY 31	55	504	55	449	-449	-983	1	420	395	25	-30	25	1				
JUN 1	51	504	51	453	-453	-981	2	419	399	20	-31	20	2				
JUN 2	47	504	47	457	-457	-978	3	417	402	15	-32	15	3				
JUN 3	45	504	45	459	-459	-978	4	421	404	17	-28	17	4				
JUN 4	42	522	42	480	-480	-1300	5	453	422	31	-11	31	5				
JUN 5	40	542	40	502	-502	-1167	6	487	442	45	5	45	6				
JUN 6	39	539	39	500	-500	-1292	7	484	440	44	5	44	7				
JUN 7	38	536	38	498	-498	-1417	8	483	438	45	7	45	8				
JUN 8	37	534	37	497	-497	-1733	9	483	437	46	9	46	9				
JUN 9	36	532	36	496	-496	-768	10	482	436	46	10	46	10				
JUN 10	35	529	35	494	-494	-1021	11	474	435	4	4	39	11				
JUN 11	34	543	34	509	-509	-1528	12	493	448	45	11	45	12				
JUN 12	33	547	33	514	-514	-889	13	499	452	47	14	47	13				
JUN 13	31	567	31	536	-536	-1708	14	509	472	37	6	37	14				
JUN 14	30	586	30	556	-556	-1197	15	529	489	40	10	40	15				
JUN 15	30	542	30	512	-512	-1257	16	516	451	65	35	65	16				
JUN 16	29	506	29	477	-477	-1191	17	470	420	50	21	50	17				
JUN 17	27	505	27	478	-478	-1312	18	467	421	46	19	46	18				
JUN 18	27	504	27	477	-477	-934	19	467	420	47	20	47	19				
JUN 19	26	527	26	501	-501	-1614	20	477	441	36	10	36	20				
JUN 20	25	547	25	522	-522	-1237	21	502	459	43	18	43	21				
JUN 21	24	547	24	523	-523	-1172	22	503	460	43	19	43	22				
JUN 22	23	546	23	523	-523	-1352	23	503	460	43	20	43	23				
JUN 23	22	545	22	523	-523	-1042	24	505	460	45	23	45	24				
JUN 24	24	567	24	543	-543	-1770	25	514	478	36	12	36	25				
JUN 25	24	612	24	588	-588	-1338	26	551	517	34	10	34	26				
JUN 26	23	637	23	614	-614	-1454	27	581	540	41	18	41	27				
JUN 27	23	637	23	614	-614	-1628	28	583	540	43	20	43	28				
JUN 28	22	637	22	615	-615	-1622	29	582	541	41	19	41	29				
JUN 29	17	636	17	619	-619	-1615	30	581	545	36	19	36	30				
JUN 30	16	635	16	619	-619	-1429											

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

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

# DETERMINATION OF PRIORITY WATER

## JULY 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08				
	River Inflow	RELEASES		STORAGE	Sluiced and/or Spilled	Natural Flow		Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR							
		Total	Natural Flow	Stored		Inflow Minus Outflow	Ac-ft change S C Res.			Diverted	Stored	Natural Flow		Duncan Virden	Safford	Winkelman	Immem
JUN 30	16	635	16	619	-619	-1429	1	583	545	38	22	38	1	Immem	Immem	Immem	Immem
JUL 1	16	634	16	618	-618	-1127	2	600	544	56	40	56	2	"	"	"	"
JUL 2	14	633	14	619	-619	-2362	3	604	545	59	45	59	3	"	"	"	"
JUL 3	14	636	14	622	-622	-647	4	592	547	45	31	45	4	"	"	"	"
JUL 4	13	636	13	623	-623	-1465	5	588	548	40	27	40	5	"	"	"	"
JUL 5	12	636	12	624	-624	-1459	6	586	549	37	25	37	6	"	"	"	"
JUL 6	10	642	10	632	-632	-2091	7	589	556	33	23	33	7	"	"	"	"
JUL 7	9	636	9	627	-627	-1502	8	588	552	36	27	36	8	"	"	"	"
JUL 8	8	644	8	636	-636	-1610	9	589	560	29	21	29	9	"	"	"	"
JUL 9	8	648	8	640	-640	-1603	10	595	563	32	24	32	10	"	"	"	"
JUL 10	7	617	7	610	-610	-1424	11	581	537	44	37	44	11	"	"	"	"
JUL 11	6	598	6	592	-592	-1645	12	558	521	37	31	37	12	"	"	"	"
JUL 12	5	598	5	593	-593	-678	13	558	522	36	31	36	13	"	"	"	"
JUL 13	7	597	7	590	-590	-2138	14	557	519	38	31	38	14	"	"	"	"
JUL 14	7	597	7	590	-590	-1621	15	558	519	39	32	39	15	"	"	"	"
JUL 15	8	596	8	588	-588	-777	16	555	517	38	30	38	16	"	"	"	"
JUL 16	8	596	8	588	-588	-1593	17	557	517	40	32	40	17	"	"	"	"
JUL 17	6	596	6	590	-590	-1249	18	559	519	40	34	40	18	"	"	"	"
JUL 18	5	596	5	591	-591	-1450	19	555	520	35	30	35	19	"	"	"	"
JUL 19	4	594	4	590	-590	-1380	20	555	519	36	32	36	20	"	"	"	"
JUL 20	4	593	4	589	-589	-1520	21	554	518	36	32	36	21	"	"	"	"
JUL 21	4	591	4	587	-587	-1448	22	554	517	37	33	37	22	"	"	"	"
JUL 22	3	590	3	587	-587	-1429	23	554	517	37	34	37	23	"	"	"	"
JUL 23	3	590	3	587	-587	-1210	24	561	517	44	41	44	24	"	"	"	"
JUL 24	3	582	3	579	-579	-1295	25	560	510	50	47	50	25	"	"	"	"
JUL 25	4	578	4	574	-574	-1328	26	552	505	47	43	47	26	"	"	"	"
JUL 26	4	578	4	574	-574	-1309	27	546	505	41	37	41	27	"	"	"	"
JUL 27	7	579	7	572	-572	-1293	28	545	503	42	35	42	28	"	"	"	"
JUL 28	4	580	4	576	-576	-1321	29	552	507	45	41	45	29	"	"	"	"
JUL 29	3	579	3	576	-576	-1256	30	550	507	43	40	43	30	"	"	"	"
JUL 30	2	578	2	576	-576	-1285	31	546	507	39	37	39	31	"	"	"	"
JUL 31	2	578	2	576	-576	-1310											

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

# DETERMINATION OF PRIORITY WATER

## AUGUST 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08				
	River Inflow	RELEASES		STORAGE	Sluiced and/or Spilled	Natural Flow		Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR							
		Total	Natural Flow	Stored		Inflow Minus Outflow	Ac-ft change S.C Res.			AUG	Diverted	Stored		Natural Flow	Duncan V/rden	Safford	Winkelman
JUL 31	2	578	2	576	-576	-1310	1	549	507	42	40	42	1	Immem	Immem	Immem	Immem
AUG 1	2	605	2	603	-603	-1289	2	546	531	15	13	15	2	"	"	"	"
2	2	607	2	605	-605	-1272	3	548	532	16	14	16	3	"	"	"	"
3	6	606	6	600	-600	-1262	4	547	528	19	13	19	4	"	"	"	"
4	14	606	14	592	-592	-1297	5	548	521	27	13	27	5	"	"	"	"
5	5	606	5	601	-601	-1332	6	550	529	21	16	21	6	"	"	"	"
6	4	605	4	601	-601	-1322	7	550	529	21	17	21	7	"	"	"	"
7	2	593	2	591	-591	-1187	8	542	520	22	20	22	8	"	"	"	"
8	2	581	2	579	-579	-1221	9	526	510	16	14	16	9	"	"	"	"
9	2	581	2	579	-579	-1214	10	523	510	13	11	13	10	"	"	"	"
10	2	581	2	579	-579	-1246	11	523	510	13	11	13	11	"	"	"	"
11	1	581	1	580	-580	-1198	12	520	510	10	9	10	12	"	"	"	"
12	1	580	1	579	-579	-1230	13	520	510	10	9	10	13	"	"	"	"
13	1	579	1	578	-578	-1140	14	519	509	10	9	10	14	"	"	"	"
14		578		578	-578	-1214	15	517	509	8	8	8	15	"	"	"	"
15		578		578	-578	-1125	16	10	509	1	11	11	16	"	"	"	"
16		576		576	-576	-1237	17	523	507	16	31	31	17	"	"	"	"
17		576		576	-576	-1149	18	517	507	10	30	30	18	"	"	"	"
18		591		591	-591	-1180	19	517	517				19	"	"	"	"
19		624		624	-624	-1289	20	551	549	2	2	2	20	"	"	"	"
20		620		620	-620	-1048	21	552	546	6	6	6	21	"	"	"	"
21		487		487	-487	-966	22	491	429	62	62	62	22	"	"	"	"
22		421		421	-421	-1000	23	398	370	28	28	28	23	"	"	"	"
23		422		422	-422	-843	24	397	371	26	26	26	24	"	"	"	"
24		485		485	-485	-952	25	422	422				25	"	"	"	"
25		519		519	-519	-1100	26	463	457	6	6	6	26	"	"	"	"
26		517		517	-517	-981	27	465	455	10	10	10	27	"	"	"	"
27		516		516	-516	-1125	28	466	454	12	12	12	28	"	"	"	"
28		516		516	-516	-970	29	463	454	9	9	9	29	"	"	"	"
29		515		515	-515	-1076	30	463	453	10	10	10	30	"	"	"	"
30	31	515	31	484	-484	-1144	31	467	426	41	10	41	31	"	"	"	"
31	45	514	45	469	-469	-1100											

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

12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

## SEPTEMBER 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08
	RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR		
	River Inflow	Total	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	SEP	SEP	Duncan Virden	Safford Immem	Winkelman Immem	Ashurst-Hayden Immem	
AUG 31	45	514	45	469	-469	-1100	1	1					
SEP 1	6	506	6	500	-500	-1057	2	24	464	440	18	24	
2	2	504	2	502	-502	-1376	3	20	462	442	18	20	
3	2	503	2	501	-501	-1079	4	21	462	441	19	21	
4	2	488	2	486	-486	-930	5	26	454	428	24	26	
5	2	481	2	479	-479	-960	6	21	443	422	19	21	
6	2	480	2	478	-478	-1094	7	21	442	421	19	21	
7	2	462	2	460	-460	-1048	8	29	434	405	27	29	
8	3	435	3	432	-432	-1002	9	32	412	380	29	32	
9	2	409	2	407	-407	-753	10	129	487	358	127	129	
10	1	399	1	398	-398	-882	11	96	446	350	110	111	
11		379		379	-379	-808	12	48	382	334	48	48	
12		339		339	-339	-700	13	51	349	298	51	51	
13		342		342	-342	-629	14	32	333	301	32	32	
14		312		312	-312	-691	15	45	320	275	45	45	
15	1	292	1	291	-291	-554	16	35	291	256	34	35	
16	1	291	1	290	-290	-552	17	31	286	255	30	31	
17	2	291	2	289	-289	-611	18	29	283	254	27	29	
18	1	291	1	290	-290	-671	19	26	281	255	25	26	
19	2	290	2	288	-288	-571	20	24	279	253	24	24	
20	1	290	1	289	-289	-536	21	25	279	254	24	25	
21	1	283	1	282	-282	-625	22	26	274	248	25	26	
22		278		278	-278	-559	23	21	266	245	21	21	
23		277		277	-277	-585	24	20	264	244	20	20	
24		277		277	-277	-581	25	20	264	244	20	20	
25		277		277	-277	-577	26	19	263	244	19	19	
26		276		276	-276	-602	27	19	262	243	19	19	
27		276		276	-276	-537	28	18	261	243	18	18	
28		264		264	-264	-593	29	24	256	232	24	24	
29		246		246	-246	-559	30	21	237	216	21	21	
30		246		246	-246	-496							

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

12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

## OCTOBER 2020

Mean daily discharge - cubic feet per second

2020 SEP 30 OCT 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	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08 COMPUTED PRIORITY YEAR				
	RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		Duncan		Safford			Winkelman			
	River Inflow	Total	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	OCT	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project		OCT	Virden	Immem	Immem
1	246	246	246	246	-246	-496	1	235	216	19	19	19	1	Immem	Immem	Immem	Immem
2	245	245	245	245	-245	-550	2	235	216	19	19	19	2	"	"	"	"
3	245	245	245	245	-245	-431	3	234	216	18	18	18	3	"	"	"	"
4	243	243	243	243	-243	-514	4	233	214	19	19	19	4	"	"	"	"
5	243	243	243	243	-243	-539	5	233	214	19	19	19	5	"	"	"	"
6	234	234	234	234	-234	-478	6	229	206	23	23	23	6	"	"	"	"
7	228	228	228	228	-228	-446	7	220	201	19	19	19	7	"	"	"	"
8	220	220	220	220	-220	-499	8	217	194	23	23	23	8	"	"	"	"
9	209	209	209	209	-209	-878	9	204	184	20	20	20	9	"	"	"	"
10	209	209	209	209	-209	-2868	10	203	184	19	19	19	10	"	"	"	"
11	208	208	208	208	-208	-3786	11	202	183	19	19	19	11	"	"	"	"
12	208	208	208	208	-208	-401	12	202	183	19	19	19	12	"	"	"	"
13	208	208	208	208	-208	-425	13	201	183	18	18	18	13	"	"	"	"
14	207	207	207	207	-207	-448	14	200	182	18	18	18	14	"	"	"	"
15	207	207	207	207	-207	-444	15	200	182	18	18	18	15	"	"	"	"
16	207	207	207	207	-207	-415	16	200	182	18	18	18	16	"	"	"	"
17	207	207	207	207	-207	-412	17	199	182	17	17	17	17	"	"	"	"
18	206	206	206	206	-206	-511	18	199	181	18	18	18	18	"	"	"	"
19	206	206	206	206	-206	-405	19	199	181	18	18	18	19	"	"	"	"
20	206	206	206	206	-206	-402	20	200	181	19	19	19	20	"	"	"	"
21	205	205	205	205	-205	-424	21	201	180	21	21	21	21	"	"	"	"
22	205	205	205	205	-205	-396	22	200	180	20	20	20	22	"	"	"	"
23	205	205	205	205	-205	-441	23	201	180	21	21	21	23	1879	"	"	"
24	84	84	84	84	-84	-98	24	174	74	100	100	100	24	1880	1879	"	"
25	19	19	19	19	-19	-49	25	33	17	16	16	16	25	1845	1880	"	"
26	19	19	19	19	-19	-24	26	53	53	53	53	53	26	Immem	Immem	1879	1879
27	19	19	19	19	-19	-24	27	25	1	25	25	25	27	1880	"	1880	1880
28	19	19	19	19	-19	-24	28	20	20	20	20	20	28	1896	1880	"	"
29	19	19	19	19	-19	-24	29	20	20	20	20	20	29	1885	1896	Immem	Immem
30	19	19	19	19	-19	-24	30	15	15	15	15	15	30	1882	1885	1880	1880
31	19	19	19	19	-19	-24	31	15	15	15	15	15	31	1881	1882	1896	1896

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

12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

## NOVEMBER 2020

Mean daily discharge - cubic feet per second

2020	SAN CARLOS RESERVOIR STORAGE				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08							
	River Inflow	Natural Flow		Inflow Minus Outflow	Total	Natural Flow	Diverted	Stored	Sluiced and/or Spilled	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR								
		19	19									19		NOV	Duncan Virden	Safford	Winkelman	Ashurst-Hayden		
OCT 31																				
NOV 1					19				15		15	1	1874	1881	1885	1885	1885			
2									10		10	2	1877	1874	1882	1882	1882			
3									10		10	3	1883	1877	1881	1881	1881			
4									10		10	4	1882	1883	1874	1874	1874			
5									10		10	5	1881	1882	1877	1877	1877			
6									5		5	6	1882	1881	1883	1883	1883			
7									5		5	7	1880	1882	1882	1882	1882			
8									5		5	8	1883	1880	1881	1881	1881			
9									10		10	9	1906	1883	1882	1882	1882			
10									10		10	10	1884	1906	1880	1880	1880			
11									10		10	11	1882	1884	1883	1883	1883			
12									10		10	12	"	1882	1906	1906	1906			
13									15		15	13	"	"	1884	1884	1884			
14									15		15	14	1881	"	1882	1882	1882			
15									15		15	15	1883	1881	"	"	"			
16									5		5	16	1880	1883	"	"	"			
17									5		5	17	1882	1880	1881	1881	1881			
18									5		5	18	1881	1882	1883	1883	1883			
19									5		5	19	1883	1881	1880	1880	1880			
20									5		5	20	1881	1883	1882	1882	1882			
21									5		5	21	"	1881	1881	1881	1881			
22									5		5	22	1882	"	1883	1883	1883			
23									5		5	23	1883	1882	1881	1881	1881			
24									5		5	24	"	1883	"	"	"			
25									5		5	25	"	"	1882	1882	1882			
26									5		5	26	1884	"	1883	1883	1883			
27									5		5	27	1885	1884	"	"	"			
28									5		5	28	1883	1885	"	"	"			
29									50	75	50	29	1882	1883	1884	1884	1884			
30									10	145	10	30	1883	1882	1885	1885	1885			

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

12% transit loss on daily Stored releases...

# DETERMINATION OF PRIORITY WATER

## DECEMBER 2020

Mean daily discharge - cubic feet per second

2020	River Inflow	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERISON 7.08 COMPUTED PRIORITY YEAR	
		RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		Duncan		Winkelman			Ashurst-Hayden
		Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.	DEC	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	Viriden	Safford		
NOV 30		178	178	-178	-377	1	160	157	3	3	1879	1883	1883	1883	
DEC 1		146	146	-146	-274	2	135	128	7	7	1887	1879	1882	1882	
2		157	157	-157	-309	3	140	138	2	2	1883	1887	1883	1883	
3		192	192	-192	-369	4	168	168			1880	1883	1879	1879	
4		199	199	-199	-412	5	189	175	14	14	1883	1880	1887	1887	
5		207	207	-206	-430	6	196	181	15	15	1882	1883	1883	1883	
6		210	208	-208	-402	7	199	183	16	16	1880	1882	1880	1880	
7		211	208	-208	-421	8	201	183	18	15	"	"	1883	1883	
8		214	212	-212	-351	9	203	187	16	14	1883	1880	1882	1882	
9		196	193	-193	-347	10	203	170	33	30	1891	1883	1880	1880	
10		137	134	-134	-172	11	169	118	51	48	1904b	1891	"	"	
11		118	115	-115	-125	12	129	101	28	25	1886	1904b	1883	1883	
12		119	116	-116	-191	13	124	102	22	19	"	1886	1891	1891	
13		120	118	-118	-276	14	121	104	17	15	1885	"	1904b	1904b	
14		107	104	-104	-105	15	120	92	28	25	"	1885	1886	1886	
15		101	98	-98	-189	16	108	86	22	19	1887	"	"	"	
16		101	97	-97	-208	17	107	85	22	18	1885	1887	1885	1885	
17		102	98	-98	-166	18	106	86	20	16	1889	1885	"	"	
18		35	31	-31	-41	19	103	27	76	72	1924	1889	1887	1887	
19		4	4	4	-41	20	29		29	29	1889	1924	1885	1885	
20		5	5	5		21	35		35	35	1887	1889	1889	1889	
21		5	5	5	-103	22	25		25	30	1879	1887	1924	1924	
22		5	5	5	-21	23	25		25	30	1895	1879	1889	1889	
23		5	5	5	-20	24	25		25	30	1885	1885	1887	1887	
24		5	5	5	20	25	20		20	25	1924	1885	1879	1879	
25		5	5	5		26	20		20	25	1899	1924	1895	1895	
26		5	5	5		27	20		20	25	1898	1899	1885	1885	
27		5	5	5		28	15		15	20	1883	1898	1924	1924	
28		5	5	5	21	29	15		15	20	"	1883	1899	1899	
29		5	5	5	-83	30	15		15	20	1845	"	1898	1898	
30		5	5	5	62	31	15		15	5	1924	1845	1883	1883	
31		5	5	5											

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.		Winkeiman Valley Decreed		U.S.A. Decreed	GRIC Decreed	GRIC TBI	SCIDD Decreed	SCIDD TBI	Total Decreed	Total TBI	Total USA TBI	Year of Prior.	
	Decreed	TBI 2018	Decreed	TBI 2018	Decreed	TBI 2018	Decreed	TBI 2018	ASARCO Ind.*	KEARNEY Ind.*										APR LANDS
Immem. Rights																				
1846							12.5	0.0				437.5	218.4			437.5	218.4	218.4	1846	Immem. Rights
1868											449.5			12.0	12.0	460.0	218.4	218.4	1868	
1869											487.7			10.7	22.7	472.7	221.4	221.4	1869	
1872			0.4	0.3	0.4	0.3					469.7			7.5	30.2	480.6	224.0	224.0	1872	
1873			1.0	0.7	1.0	0.7					489.9			8.0	483.2	489.9	226.2	226.2	1873	
1874	6.3	5.6	7.9	5.5	14.2	11.1					489.9			0.2	32.4	496.6	237.5	237.5	1874	
1875			16.0	11.3	22.3	16.9					473.8			3.9	36.3	508.6	244.3	244.3	1875	
1876			23.4	16.8	29.7	22.4					479.5			5.7	42.0	521.7	251.2	228.8	1876	
1877			34.0	24.3	40.3	29.9			0.1	0.3	481.5			2.0	44.0	534.7	259.3	229.3	1877	
1878			41.6	29.6	47.9	35.2			0.8	0.4	481.8			0.4	44.3	543.4	265.5	229.4	1878	
1879			48.9	34.9	55.2	40.5			2.0	0.8	484.5			2.6	47.0	554.5	272.7	230.1	1879	
1880			59.9	43.3	66.2	48.9			3.6	0.3	484.9			0.5	47.4	569.7	283.0	230.2	1880	
1881	12.1	10.7	70.4	51.4	82.5	62.1									586.0	296.2	307.0	1881		
1882	13.2	11.7	83.2	61.2	98.4	72.9									598.9	307.0	318.2	1882		
1883			102.1	74.9	113.3	88.6									618.3	320.7	338.9	1883		
1884	13.7	11.9	123.1	90.5	136.8	102.4			5.7	1.3	485.3			0.3	47.8	644.0	339.7	230.3	1884	
1885	19.3	16.5	138.9	102.0	158.2	117.5			6.4		486.8			1.4	49.1	667.4	366.8	230.6	1885	
1886	22.2	17.1	157.5	116.5	179.7	132.6			7.2		486.9			0.3	49.4	689.2	371.0	230.7	1886	
1887	22.9	17.7	167.6	122.8	190.5	140.5									701.3	379.7	1887			
1888	30.5	21.6	175.9	129.0	206.4	160.6									717.2	389.8	1888			
1889	31.8	22.4	187.8	137.6	219.6	160.0					489.5			2.6	52.0	733.0	399.8	231.3	1889	
1890			199.1	145.6	230.9	168.0			7.3		491.3			1.8	53.8	746.2	408.4	231.8	1890	
1891	32.3	22.9	211.9	155.0	244.2	177.9					503.5			12.2	66.0	771.7	421.3	234.8	1891	
1892	33.5	23.9	217.5	159.2	251.0	183.1					508.5			5.0	71.0	783.5	427.7	236.0	1892	
1893	34.4	24.5	223.8	163.3	258.2	187.8					512.5			4.1	75.0	794.7	433.4	237.0	1893	
1894	37.7	26.4	226.1	164.9	263.8	191.3					514.9			2.4	77.4	802.7	437.5	237.6	1894	
1895	42.0	29.4	231.2	168.5	273.2	197.9					524.2			9.3	66.7	821.9	446.9	239.9	1895	
1896	45.4	31.7	241.1	174.9	286.5	206.6			7.8		528.1			3.9	90.6	839.1	456.6	240.9	1896	
1897	59.8	38.7	244.7	177.4	304.5	216.1					528.5			0.5	91.0	857.1	466.1	241.0	1897	
1898	69.9	45.6	247.8	179.3	317.7	224.9					528.6			0.1	91.1	870.7	475.0	241.0	1898	
1899			255.0	184.1	324.9	229.7					529.1				22.6	878.0	479.3	241.0	1899	
1900	75.4	49.2	264.9	190.6	340.3	239.8					529.1				22.7	893.4	489.9	1900		
1901	76.1	49.2	271.1	194.6	347.2	243.8					529.1				22.7	900.8	494.0	241.1	1901	
1902	78.2	49.2	276.7	198.7	354.9	247.9					529.1				22.7	908.5	498.1	1902		
1903	79.3	49.2	281.6	202.3	360.9	251.5					529.7				22.9	914.5	501.7	1903		
1904	81.3	50.3	280.0	224.8	371.3	275.1					529.7				22.9	925.5	525.5	241.3	1904	
1905	82.4	50.7	314.3	227.1	396.7	277.5					530.9				22.9	950.9	528.2	1905		
1906	83.4	50.8	317.9	228.9	401.3	280.7			8.0		535.0				24.2	955.7	531.3	1906		
1907	85.1	50.9	340.6	246.3	425.7	287.2					535.0				24.2	960.1	547.8	1907		
1908	89.1	52.0	343.7	246.7	432.8	300.7			9.9	4.0	535.0				24.2	965.5	554.9	1908		
1909	90.4	52.0	347.6	251.1	438.0	303.1			22.2		536.4				25.1	1016.4	570.1	243.5	1909	
1910	91.1	52.1	354.7	256.2	445.8	308.3					540.1				25.5	1025.9	575.7	243.9	1910	
1911	92.0	52.6	355.7	256.9	447.7	309.5					542.1				26.0	1029.8	577.4	244.4	1911	
1912	92.2	52.8	361.3	261.1	453.5	313.9					543.8				26.4	1037.3	582.2	244.8	1912	
1913	92.3	52.8	369.5	266.9	461.8	319.7					549.9				30.1	1060.7	591.7	248.5	1913	
1914	93.0	53.3	372.5	269.2	465.5	322.5					569.3				32.7	1074.8	597.1	251.1	1914	
1915	93.5	53.6	378.9	273.7	472.4	327.3					775.0				83.8	1081.7	601.9	1915		
1916	93.6	53.6	380.8	275.1	474.4	328.7				4.9	0.0				205.7	1290.3	654.4	302.2	1916	
1917	94.4	57.4	385.9	276.4	484.3	335.8					1256.5				185.1	1310.8	669.0	1917		
1918	99.5	58.2	387.4	278.7	488.9	337.9					194.3				1792.7	1792.7	740.4	1918		
1919	99.8	58.2	392.7	283.7	492.5	341.9					194.3				1308.4	1308.4	667.8	1919		
1920	100.0	58.3	394.6	285.0	494.6	343.3				5.2	0.0				1310.8	1310.8	669.0	1920		
1921					494.6	343.3					0.0				1310.8	1310.8	669.0	1921		
1924					494.6	343.3					0.0				1310.8	1310.8	669.0	1924		
1926	100.1	58.4			494.7	343.4				5.5	0.0				1792.7	1792.7	740.4	1926		
1929	100.6	58.7			507.0	343.7				5.5	0.0				1792.7	1792.7	740.4	1929		
Total	100.6	58.7	394.6	285.0	507.0	343.7	12.5	0.0	22.2	1.3	5.5	437.5	218.4	155.1	1793.2	740.7	373.5	TOTAL ACRES		
TBI ACRES	4,672.33	22,504.53	27,276.86	22,504.53	27,276.86	22,504.53	0.00	0.00	101.73	0.00	0.00	17,488.48	12,407.41	12,407.41	57,254.48	57,254.48	57,254.48	TBI ACRES		
% REDUCTION	41.91%	29.12%	32.75%	41.91%	32.75%	41.91%	100.00%	100.00%	94.28%	100.00%	100.00%	60.09%	75.17%	75.17%	60.09%	60.09%	60.09%	% REDUCTION		
% ACRES TBI	58.09%	70.86%	67.25%	58.09%	67.25%	58.09%	0.00%	0.00%	5.72%	0.00%	0.00%	49.91%	24.83%	24.83%	39.91%	39.91%	39.91%	% ACRES TBI		

ALL GRICE = 50,546.00

ALL IRRIGATED

GRIC BASED ON 35,000 ACRES IMMEMORIAL

Note: \* Industrial and Municipal use.

**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		Laura Short		Albert		Total	
	Decreed	TBI 2020	Decreed	TBI 2020	Decreed	TBI 2020	Decreed	TBI 2020	Decreed	TBI 2020	Decreed	Total Modified
1874	6.3	5.6									6.3	5.6
1881	12.1	10.7									12.1	10.7
1882	13.2	11.7									13.2	11.7
1884	15.5	13.7	0.4	0.2							13.7	11.9
1885			2.1	1.3	1.0	0.5					18.7	15.5
1886			4.0	2.4	2.0	1.0					21.6	17.1
1887	16.1	14.2	4.1	2.5							22.3	17.7
1888			6.5	3.9	7.2	3.5					29.9	21.6
1889			7.8	4.7							31.2	22.4
1891	16.5	14.6	7.9	4.8							31.7	22.9
1892	17.7	15.6	8.0	4.8							32.9	23.9
1893	17.8	15.7	8.7	5.3							33.8	24.5
1894			11.0	6.7	8.2	4.0					37.1	26.4
1895	19.8	17.5	11.9	7.2	9.6	4.7					41.4	29.4
1896	21.0	18.5	14.0	8.5							44.8	31.7
1897	21.1	18.6	22.1	13.4	13.7	6.7	0.9				58.3	38.7
1898	24.4	21.5	28.2	17.1	14.4	7.0	1.1				68.4	45.6
1900	27.6	24.4	29.3	17.7	14.6	7.1	1.2	0.6	0.8		72.9	49.2
1901			17.7	10.0			1.5	1.3			76.1	49.2
1902									1.0		78.2	49.2
1903							2.4				79.3	49.2
1904					15.1	7.4	3.0		1.3		81.3	50.3
1905	28.5	25.2	29.9	18.1	15.2	7.4	3.4				74.3	50.7
1906			30.1	18.2					2.1		75.0	50.8
1907			30.2	18.3			5.0				75.2	50.9
1908			30.9	18.7	16.6	8.1	5.3				75.3	50.9
1909			30.9	18.7							77.4	52.0
1910			31.1	18.8			1.4		1.4	0.1	77.6	52.1
1911	29.1	25.7	31.1	18.8					1.7		78.2	52.6
1912			31.3	19.0							78.4	52.8
1913			31.4	19.0							78.5	52.8
1914	29.4	26.0	31.7	19.2						0.1	79.1	53.3
1915			31.8	19.3	17.0	8.3	5.4				79.5	53.6
1916					17.1	8.3					84.1	53.6
1917	33.6	29.7	31.9	19.3	17.2	8.4	5.5			0.3	85.0	57.4
1918	34.4	30.4			17.3	8.5					85.0	58.2
1919							1.7		1.8		85.2	58.2
1920			32.1	19.4							85.8	58.3
1921											85.3	58.3
1926	34.5	30.5									85.3	58.4
1929			32.5	19.7							85.8	58.7
Total	34.5	30.5	32.5	19.7	17.3	8.5	5.5	1.7	1.8	3.9	85.8	100.6
DECREED ACRES	2,759.90	2,576.31	2,576.31	1,386.85	441.00	137.90	144.10	315.10	11.60	25.60	26.30	36.50
TBI ACRES	2,436.07	1,560.40	1,560.40	675.86	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
% REDUCTION	11.73%	39.43%	39.43%	51.27%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%	100.00%
% ACRES TBI	88.27%	60.57%	60.57%	48.73%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Total	7,919.76	4,672.33	4,672.33	41.00%	59.00%	59.00%	59.00%	59.00%	59.00%	59.00%	59.00%	59.00%

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

Year	Consolidated Brown		Fourness		San Jose		Montezuma		Union-Sunflower		Graham		Smithville		Dodge-Nevada		Curtis		Fort Thomas		Colvin-Jones		Total		
	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	Decreed	TBI	
1872																									
1873																									
1874	0.5	0.3			1.2	1.0	2.8	1.9	3.4	2.3	0.4	0.3											0.4	0.3	
1875	1.0	0.6			3.8	3.1	6.1	4.1	4.7	3.2	0.4	0.3											1.0	0.7	
1876	1.2	0.7			7.5	6.1	7.3	5.0	6.4	4.3	0.6	0.5											7.9	5.5	
1877	2.1	1.2			10.0	8.2	11.3	7.7	7.9	5.3	0.8	0.7											16.0	11.3	
1878	2.6	1.5			11.2	9.1	13.8	9.4	11.1	8.8	0.8	0.7											23.4	16.8	
1879	3.0	1.8			13.8	11.3	17.6	12.0	11.2	7.5	1.1	0.9											0.4	0.2	
1880	3.6	2.1			15.0	12.2	18.7	12.7	13.5	9.1	1.5	1.5	4.4	3.7	1.9	6.8	3.2	2.5	0.4	1.0	0.5		0.4	0.2	
1881	4.0	2.4			16.2	13.2	19.0	12.9	16.4	11.0	2.1	1.8	8.1	6.8	3.2	2.5	0.4	0.3					0.4	0.2	
1882	4.8	2.9			18.8	15.3	20.2	13.7	17.7	11.9	3.3	2.8	2.8	9.4	4.4	3.4	1.4	1.1	1.4	1.0	0.5		0.4	0.2	
1883	5.2	3.1			20.0	16.3	20.8	14.1	25.1	16.9	5.0	4.2	13.1	11.0	5.5	4.2	4.8	3.8	2.6	1.4	0.7		0.4	0.2	
1884	5.9	3.5			22.5	18.3	21.3	14.5	30.7	20.7	5.1	4.3	14.1	11.9	6.6	5.1	5.1	4.0	4.0	1.3	0.8		0.4	0.2	
1885	6.4	3.8			23.8	19.4	21.8	14.8	37.9	25.5	6.5	5.5	15.2	12.8	7.8	6.0	15.5	12.3	4.0	1.9	1.3		0.4	0.2	
1886	6.8	4.0			25.8	21.8	23.8	16.2	46.2	31.1	9.9	8.4	18.2	13.6	8.9	6.9	16.8	13.4	5.1	2.5	2.5		0.4	0.2	
1887	8.4	5.0			25.0	20.4	24.3	16.5	50.3	33.9	10.9	9.2	17.1	14.4	10.0	7.7	18.2	14.5	5.1	2.5	2.5		0.4	0.2	
1888	8.6	5.1			25.6	20.9	25.0	17.0	58.3	39.2	13.4	11.4	18.8	15.8	11.1	8.5	18.8	15.0	5.3	2.6	2.6		0.4	0.2	
1889	8.7	5.2			26.6	21.8	26.6	18.1	64.3	43.3	14.5	12.3	20.0	16.8	12.2	9.4	20.0	15.9	5.8	2.8	2.8		0.4	0.2	
1890	9.3	5.5			28.8	23.8	28.8	18.1	66.9	45.0	17.4	14.7	20.0	16.8	14.0	10.8	20.4	16.2					0.4	0.2	
1891	11.5	6.8			26.7	21.8	27.3	18.5	68.5	46.1	19.4	16.4	20.3	17.1	14.4	11.1	20.4	16.2					0.4	0.2	
1892	12.1	7.2			27.7	22.6	28.3	19.2	69.9	47.1	20.4	17.3	20.6	17.3	14.4	11.1	20.4	16.2					0.4	0.2	
1893	13.1	7.8			29.3	23.2	29.3	19.9	70.5	47.5	22.9	19.4	20.3	17.3	14.4	11.1	20.4	16.2					0.4	0.2	
1894	13.2	7.8			29.6	24.1	30.8	20.9	70.6	47.5	24.0	20.4	21.4	18.0	14.7	11.3	21.4	16.2					0.4	0.2	
1895	14.8	8.8			29.6	24.1	30.8	20.9	70.6	47.5	24.0	20.4	21.4	18.0	14.7	11.3	21.4	16.2					0.4	0.2	
1896	15.9	9.4			29.6	24.1	30.8	20.9	70.6	47.5	24.0	20.4	21.4	18.0	14.7	11.3	21.4	16.2					0.4	0.2	
1897					29.6	24.1	30.8	20.9	70.6	47.5	24.0	20.4	21.4	18.0	14.7	11.3	21.4	16.2					0.4	0.2	
1898					29.6	24.1	30.8	20.9	70.6	47.5	24.0	20.4	21.4	18.0	14.7	11.3	21.4	16.2					0.4	0.2	
1899	15.4	9.1			30.3	24.7	35.6	24.2	70.8	47.7	25.3	22.3	22.4	18.9	15.6	12.0	22.4	16.2					0.4	0.2	
1900					31.7	23.8	39.3	26.7	71.1	48.0	27.1	23.0	22.4	18.9	15.6	12.0	22.4	16.2					0.4	0.2	
1901	15.9	9.4			33.0	28.9	40.4	27.4	70.9	47.7	27.6	23.4	22.4	18.9	15.6	12.0	22.4	16.2					0.4	0.2	
1902					34.4	28.0	44.0	29.9	71.0	47.8	28.1	23.8	22.4	18.9	15.6	12.0	22.4	16.2					0.4	0.2	
1903					35.5	28.9	45.2	30.7	71.0	47.8	28.1	23.8	22.4	18.9	15.6	12.0	22.4	16.2					0.4	0.2	
1904					36.6	32.3	45.4	30.8	72.0	48.5	32.0	27.1	24.0	20.2	15.7	12.1	20.6	16.4					0.4	0.2	
1905					41.3	33.7	57.3	38.9	72.2	48.6	34.5	29.2	25.0	21.0	15.8	12.2	23.3	18.5					0.4	0.2	
1906					42.4	34.6	57.3	38.9	72.2	48.6	34.5	29.2	25.0	21.0	15.8	12.2	23.3	18.5					0.4	0.2	
1907					43.3	35.3	57.4	39.0	73.0	49.1	37.5	31.8	25.0	21.0	16.0	12.3	23.4	18.6					0.4	0.2	
1908					48.2	39.3	57.5	39.1	86.1	58.0	38.8	32.9	27.3	23.0	16.0	12.3	23.4	18.6					0.4	0.2	
1909					48.4	39.5	57.5	39.1	86.2	58.0	41.2	34.9	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1910					50.2	40.9	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1911					50.8	41.4	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1912					51.3	41.8	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1913					51.3	41.8	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1914					51.3	41.8	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1915					51.3	41.8	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1916					51.7	42.2	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1917					51.7	42.2	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1918					51.7	42.2	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1919					51.7	42.2	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1920					51.7	42.2	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
1920					51.7	42.2	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
Total	16.6	9.9			51.7	42.2	57.5	39.1	86.9	58.5	42.2	35.8	26.3	23.8	16.0	12.3	23.4	18.6					0.4	0.2	
DECREED ACRES	1,311.28				4,119.58				7,191.72					2,383.00										205.90	
TBI ACRES	779.0				3,358.65				4,841.25					2,006.71										21,344.55	
% REDUCTION	40.59%				18.47%				32.68%					15.93%										100.00%	
% ACRES TBI	59.41%				81.53%				67.93%					84.17%										72.12%	

Note: For blank spaces use first figure above.

# 2020

## COMPARISON OF U.S.G.S. 2015 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	388	691	-859	-319	-59	-7	-25	-5	16	3	-10	-13	-198
Gila River Near Clifton	45	-166	-586	-457	-92	-10	-25	0	44	4	12	-28	-1260
San Francisco River @ Clifton	-34	-31	2085	434	91	22	0	-1	-1	1	9	37	2612
Head of Safford Valley	121	-10	-17	49	-54	-11	-9	0	0	-6	-19	9	54
Gila @ Calva	-11	4032	984	846	-1080	-74	-26	-2	0	0	0	67	4737
San Carlos River @ Peridot	20	0	-2	0	0	0	0	0	0	0	0	4385	4401
Gila Below Coolidge Dam	-223	-9	-3	-123	-684	44	1233	-133	-4	-317	36	-45	-227
Gila @ Kelvin	21	-1	499	-3	61	961	-7	-6	-4	-23	-631	-1	866
Florence Casa Grande Canal	1	101	48	54	48	98	285	128	-3	-1	0	-5771	-5012

# 2020

## Gila River Below Blue Creek Near Virden, New Mexico

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	190	238	559	531	218	46	3.6	52.4	2.5	2.7	23	59
2	188	228	508	496	212	37	3.4	49.4	2.6	2.6	25	55
3	182	214	470	476	204	34	3.1	40	2.1	2.1	25	51
4	181	204	436	460	198	31	2.9	35	1.6	2.1	27	50
5	182	196	403	445	191	29	2.6	29	1.5	2.5	25	57
6	177	190	367	437	179	26	2.3	24	1.4	2.4	26	63
7	175	186	343	428	166	24	2.2	18	1.4	2.5	26	62
8	175	174	343	399	158	24	2.1	14	1.3	2.6	31	64
9	174	171	380	388	148	25	2.0	15	1.6	2.8	34	66
10	173	171	404	372	138	23	1.9	14	2.0	3.1	36	69
11	171	180	430	368	134	19	1.9	12	3.2	3.6	39	68
12	163	284	508	377	127	17	1.8	11	2.4	4.4	41	71
13	159	452	815	363	122	17	1.8	8.4	13	5.0	43	70
14	158	467	1620	349	120	17	1.8	6.6	8.9	5.2	39	72
15	151	443	1670	344	114	15	1.6	5.2	6.6	5.9	40	73
16	152	441	1220	330	101	14	1.4	4.6	5.6	6.3	39	73
17	227	402	960	280	93	15	1.5	4.7	4.2	6.8	34	73
18	716	385	794	271	89	14	1.5	4.3	3.2	7.4	29	71
19	652	374	843	259	82	14	1.6	3.5	2.7	8.5	35	71
20	509	380	934	257	74	14	1.5	2.9	2.2	8.9	38	73
21	436	361	1030	242	67	12.8	1.5	2.8	1.9	8.6	35	76
22	430	367	1140	239	68	11.6	1.8	2.5	2.5	8.7	35	79
23	471	685	899	240	62	9.5	2.1	2.4	2.9	9.5	40	77
24	512	2160	774	249	61	8.0	2.8	2.1	3.0	10	42	78
25	422	2010	702	241	64	6.8	2.8	1.9	2.9	11	47	78
26	374	1290	690	242	73	6.0	15	1.7	2.4	15	50	77
27	333	911	620	237	62	5.4	37	1.6	2.5	19	54	78
28	309	735	676	231	54	5.0	50	1.6	2.8	20	57	76
29	285	617	715	225	45	4.2	66	1.5	3.0	21	59	78
30	264		643	227	40	3.8	62	1.7	3.0	22	60	77
31	254		594		41		62.9	2.2		22		81
<b>Total</b>	8,945	14,916	22,490	10,003	3,504	527	345	375	166	255	1,132	2,166
<b>Ac-ft</b>	17,742	29,586	44,609	19,841	6,951	1,045	685	744	329	506	2,245	4,296

Total for the Year: 128,578 ac-ft

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

# 2020

## GILA RIVER NEAR CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	159	245	636	535	153	35	23	19	20	21	24	26
2	158	231	554	502	151	34	23	20	20	21	24	26
3	155	220	488	450	149	33	23	21	20	21	24	26
4	152	206	437	423	148	31	22	20	21	21	24	26
5	152	196	396	394	144	31	22	20	21	21	23	26
6	151	188	360	382	142	29	21	19	21	21	23	26
7	150	182	324	368	137	28	21	19	21	22	24	26
8	152	177	306	358	128	27	21	19	22	23	27	26
9	152	171	305	339	122	27	22	19	23	23	24	26
10	151	168	331	322	115	27	22	18	25	23	24	30
11	149	169	358	313	112	27	25	18	26	22	25	26
12	148	172	378	311	109	26	24	17	26	22	25	26
13	147	287	515	308	104	26	23	18	24	22	25	26
14	144	468	966	292	99	26	23	18	23	22	25	26
15	142	473	1,480	278	96	26	25	17	23	21	24	26
16	140	451	1,360	256	92	26	25	17	22	21	25	26
17	148	436	1,070	239	87	25	26	17	22	21	24	26
18	284	416	893	218	82	25	24	17	22	21	24	26
19	630	400	789	204	76	24	24	16	21	21	24	26
20	556	390	865	196	70	24	24	16	21	22	24	26
21	468	374	994	190	65	23	25	16	21	22	24	26
22	410	382	954	182	61	23	27	17	20	22	24	26
23	406	388	891	176	56	23	30	17	20	22	25	26
24	459	985	817	170	51	22	36	18	20	22	25	26
25	450	1,800	744	165	47	23	30	17	19	22	25	26
26	408	1,480	680	163	44	23	64	17	19	23	25	26
27	373	1,080	627	166	42	23	33	17	19	25	25	26
28	342	863	597	159	40	24	26	17	18	24	25	26
29	318	729	680	156	39	23	23	17	19	24	26	26
30	292		670	153	37	23	21	21	19	24	26	26
31	267		600		36		19	20		24		26
<b>Total</b>	8,213	13,727	21,065	8,368	2,832	783	794	557	634	686	734	809
<b>Ac-ft</b>	16,290	27,228	41,782	16,598	5,617	1,552	1,575	1,105	1,257	1,360	1,455	1,604

Total for the Year: 117,424 ac-ft

Drainage area - 4,010 sq. mi.

# 2020

## SAN FRANCISCO RIVER AT CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	119	213	512	540	181	37	14	25	15	12	27	38
2	120	194	445	506	167	32	14	126	23	13	28	38
3	118	195	394	490	157	31	17	93	31	7.8	25	38
4	118	190	355	484	140	31	16	78	25	7.6	23	37
5	114	180	319	468	134	28	10	59	20	7.2	21	36
6	112	171	290	442	130	26	4.4	51	17	13	23	34
7	112	163	278	409	122	24	2.3	43	16	14	17	35
8	110	153	281	379	118	22	7.2	39	15	16	25	33
9	110	148	305	359	113	23	8.9	36	17	19	55	35
10	114	148	304	344	100	26	8.7	18	26	20	54	43
11	110	285	324	355	98	25	8.8	15	32	19	47	47
12	107	461	922	350	96	24	10	13	34	18	45	42
13	102	389	1,320	306	89	20	12	15	32	18	41	48
14	106	330	1,700	288	80	20	7.5	14	19	17	45	48
15	101	299	1,460	268	73	22	3.9	13	11	16	37	46
16	101	299	1,180	244	73	20	5.7	13	13	10	39	48
17	846	302	969	228	68	21	16	22	7.0	10	37	47
18	1,200	317	839	219	63	19	17	23	13	12	35	44
19	702	332	1,720	215	58	20	18	17	16	17	38	44
20	494	334	1,780	215	55	18	22	20	14	18	33	43
21	418	328	1,460	216	54	15	20	22	14	17	31	45
22	692	353	1,360	216	52	13	24	23	13	15	25	44
23	679	1,920	1,230	222	52	12	28	21	13	16	26	41
24	558	2,300	1,100	214	52	11	36	22	8.6	17	27	42
25	476	1,620	983	210	49	11	38	18	5.6	18	26	40
26	415	1,170	877	208	43	11	35	15	5.8	21	32	46
27	370	892	840	204	44	11	46	14	6.8	26	36	48
28	337	758	822	202	44	15	33	13	8.0	34	36	46
29	303	642	742	199	48	17	40	14	13	36	40	45
30	277		650	188	45	15	27	15	13	35	41	34
31	248		566		41		21	14		31		31
<b>Total</b>	9,789	15,086	26,327	9,188	2,636	617	568	924	494	549	1,011	1,285
<b>Ac-ft</b>	19,416	29,923	52,220	18,224	5,229	1,223	1,127	1,832	980	1,088	2,004	2,548

Total for the Year: 135,814 ac-ft

Drainage area - 2,766 sq. mi.

# 2020

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

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	342	536	1,280	1,130	374	73	41	45	41	39	60	80
2	332	510	1,160	1,050	364	70	40	59	42	39	59	79
3	328	489	1,060	997	354	68	39	77	44	39	61	79
4	316	471	970	962	339	65	39	65	45	37	61	79
5	311	451	886	923	315	64	38	58	43	37	59	78
6	308	435	816	887	292	62	36	52	42	37	59	78
7	301	422	752	852	275	60	34	48	41	38	63	77
8	301	407	726	817	257	57	33	46	41	39	65	77
9	303	395	730	784	241	55	33	44	40	40	67	77
10	301	388	760	759	226	56	34	42	42	41	78	87
11	295	420	783	750	223	56	34	38	45	42	82	89
12	292	642	1,090	730	213	54	34	37	48	42	81	86
13	288	735	1,590	698	200	53	33	37	49	42	78	83
14	281	855	2,310	657	185	52	33	37	47	42	75	84
15	275	836	2,740	623	172	52	33	37	42	42	74	85
16	274	797	2,520	580	163	57	33	37	39	42	73	86
17	557	771	2,060	538	155	53	34	37	40	40	74	86
18	1,490	760	1,780	508	144	51	36	40	38	40	72	87
19	1,420	749	2,260	484	133	50	37	41	39	41	73	86
20	1,170	746	2,740	465	123	49	37	40	40	43	73	85
21	991	733	2,570	455	117	47	38	41	40	44	70	86
22	1,070	749	2,360	443	111	45	39	42	40	45	69	87
23	1,240	1,660	2,180	428	106	44	43	42	39	45	67	85
24	1,160	3,060	1,960	420	100	43	48	42	39	46	68	83
25	1,040	3,180	1,770	406	96	42	57	41	38	47	69	83
26	929	2,690	1,600	399	90	42	52	40	36	49	70	84
27	827	2,050	1,480	405	86	42	88	39	36	55	74	87
28	750	1,690	1,420	399	84	42	64	39	36	57	76	88
29	685	1,450	1,400	397	82	42	56	38	37	60	77	89
30	626		1,340	378	80	42	56	46	38	61	79	87
31	570		1,230		76		49	42		62		84
<b>Total</b>	19,373	29,077	48,323	19,324	5,775	1,585	1,304	1,369	1,226	1,371	2,102	2,592
<b>Ac-ft</b>	38,426	57,674	95,849	38,329	11,455	3,144	2,587	2,715	2,432	2,719	4,170	5,141

Total for the Year: 264,640 ac-ft

Drainage area - 7,896 sq. mi.

# 2020

## GILA RIVER AT CALVA, ARIZONA

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	289	557	1,800	1,260	269	50	16	1.8	6.0			
2	284	520	1,500	1,130	254	47	14	1.5	2.4			
3	272	493	1,250	1,020	247	44	14	5.7	2.4			
4	267	471	1,070	952	240	42	13	14	2.0			0.4
5	257	448	922	905	233	40	12	5.3	2.0			1.3
6	251	425	823	861	224	39	9.9	4.4	1.9			1.9
7	247	408	732	826	215	37	9.2	1.9	2.1			2.6
8	242	393	661	788	201	37	8.4	1.8	2.9			2.2
9	243	375	605	743	192	36	7.7	2.3	2.1			2.5
10	243	360	559	701	184	35	6.9	1.6	0.8			3.1
11	241	358	559	679	191	34	6.0	1.1				2.9
12	238	374	581	668	190	33	5.4	0.7				2.6
13	234	560	872	662	186	31	6.8	0.6				2.4
14	227	636	1,260	625	181	30	7.4	0.2	0.4			2.5
15	222	724	1,670	586	175	30	7.5		1.0			3.0
16	220	730	2,320	541	170	29	8.3		1.3			3.5
17	224	707	2,890	487	158	27	5.7		2.0			3.8
18	409	693	2,760	438	153	27	4.5		1.4			4.1
19	976	685	2,240	390	138	26	4.0		1.5			4.3
20	1,120	676	1,990	362	120	25	3.7		1.1			4.5
21	1,030	660	2,660	363	111	24	3.6		0.8			4.6
22	871	661	3,110	357	105	23	3.1		0.1			4.7
23	865	719	3,010	344	97	22	3.1					4.8
24	1,010	1,020	2,760	323	92	24	3.3					4.9
25	994	1,620	2,460	305	86	24	4.1					4.8
26	913	2,240	2,100	290	82	23	4.2					5.1
27	820	2,460	1,820	274	79	23	7.3					5.4
28	751	2,420	1,610	255	73	22	4.0					5.2
29	698	2,190	1,480	237	68	17	2.8					5.3
30	653		1,420	225	62	16	2.4	31				5.2
31	605		1,380		54		2.2	45				5.1
<b>Total</b>	15,916	24,583	50,874	17,597	4,830	918	210	120	34			103
<b>Ac-ft</b>	31,569	48,760	100,909	34,904	9,579	1,821	416	237	68			204

Total for the Year: 228,466 ac-ft

Drainage area - 11,470 sq. mi.

# 2020

## SAN CARLOS RIVER NEAR PERIDOT, ARIZONA

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	70	24	29	32	6.0	0.7						
2	58	22	23	28	5.0	0.6						
3	79	19	21	25	4.4	0.4						
4	80	17	18	23	3.9	0.4						
5	66	15	17	21	3.3	0.3						
6	60	14	15	19	2.7	0.3						
7	58	13	14	17	2.5	0.2						
8	50	13	13	16	2.4	0.1						
9	43	12	13	15	2.2	0.1						
10	37	13	12	14	2.1	0.1						
11	33	17	15	14	2.1							
12	31	13	17	13	2.0							
13	27	12	1,120	13	1.9							
14	23	11	1,110	13	1.9							
15	20	11	324	13	2.1							
16	20	10	158	12	2.5							
17	406	10	123	11	2.4							
18	403	10	85	11	2.2							
19	175	10	1,510	10	2.0							
20	110	9.2	1,920	10	1.9							
21	85	10	621	10	1.8							
22	92	14	325	9.5	1.8							
23	207	373	185	9.0	1.7							
24	138	257	143	8.4	1.7							
25	93	147	105	8.0	1.7							
26	72	90	74	7.6	1.6							
27	59	58	61	8.2	1.6							
28	47	46	53	7.6	1.4							
29	42	37	48	7.2	1.0							
30	34		41	6.7	0.9							
31	26		36		0.8							
<b>Total</b>	2,741	1,306	8,249	412	71	3.2						
<b>Ac-ft</b>	5,436	2,590	16,361	817	141	6						

Total for the Year: 25,353 ac-ft

Drainage area - 1,026 sq. mi.

# 2020

## GILA RIVER BELOW COOLIDGE DAM, ARIZONA

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4.7	0.7	143	291	481	504	634	605	506	245		146
2	4.7	0.7	143	299	497	504	633	607	504	245		157
3	4.7	0.7	144	306	506	504	636	606	503	243		192
4	4.7	51	163	317	491	522	636	606	488	243		199
5	4.7	105	170	318	443	542	636	606	481	234		207
6	4.5	87	170	318	471	539	642	605	480	228		210
7	4.3	87	170	319	502	536	636	593	462	220		211
8	4.3	66	169	319	512	534	644	581	435	209		214
9	4.3	55	145	337	500	532	648	581	409	209		196
10	4.3	55	94	356	500	529	617	581	399	208		137
11	4.3	55	78	357	499	543	598	581	379	208		118
12	4.3	55	78	349	498	547	598	580	339	208		119
13	4.3	55	78	346	497	567	597	579	342	207		120
14	4.3	55	78	347	497	586	597	578	312	207		107
15	4.3	55	96	347	496	542	596	578	292	207		101
16	4.3	55	108	349	496	506	596	576	291	207		101
17	4.3	55	108	357	495	505	596	576	291	206		102
18	4.3	56	85	369	495	504	596	591	291	206		35
19	4.3	57	5.3	375	494	527	594	624	290	206		2.3
20	4.3	57	5.3	378	493	547	593	620	290	205		2.3
21	4.3	58	24	398	507	547	591	487	283	205		2.3
22	4.3	59	97	409	510	546	590	421	278	205		2.3
23	4.3	58	169	432	510	545	590	422	277	84		2.3
24	4.3	59	168	448	504	567	582	485	277	19		2.4
25	4.3	55	168	450	504	612	578	519	277	19		2.3
26	4.3	52	183	451	504	637	578	517	276	19		2.3
27	4.3	114	213	452	504	637	579	516	276	19	130	2.3
28	4.3	144	240	469	504	637	580	516	264	19	193	2.4
29	4.3	144	249	478	504	636	579	515	246	19	187	2.5
30	4.3		266	479	504	635	578	515	246	19	178	2.3
31	4.3		276		504		578	514		19		2.3
<b>Total</b>	134	1,807	4,282	11,220	15,422	16,619	18,726	17,281	10,484	4,997	688	2,702
<b>Ac-ft</b>	267	3,584	8,493	22,255	30,590	32,964	37,143	34,277	20,795	9,912	1,365	5,359

Total for the Year: 207,003 ac-ft

Drainage area - 12,886 sq. mi.

# 2020

## NATURAL FLOW RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1			143	291	275	51	16	2.0	6.0			
2			143	299	259	47	14	2.0	2.0			
3			144	306	251	45	14	6.0	2.0			
4		51	163	317	244	42	13	14	2.0			
5		105	170	318	236	40	12	5.0	2.0			1.0
6		87	170	318	227	39	10	4.0	2.0			2.0
7		87	170	319	217	38	9.0	2.0	2.0			3.0
8		66	169	319	203	37	8.0	2.0	3.0			2.0
9		55	145	337	194	36	8.0	2.0	2.0			3.0
10		55	94	356	186	35	7.0	2.0	1.0			3.0
11		55	78	357	193	34	6.0	1.0				3.0
12		55	78	349	192	33	5.0	1.0				3.0
13		55	78	346	188	31	7.0	1.0				2.0
14		55	78	347	183	30	7.0					3.0
15		55	96	347	177	30	8.0		1.0			3.0
16		55	108	349	172	29	8.0		1.0			4.0
17		55	108	357	160	27	6.0		2.0			4.0
18		56	85	369	155	27	5.0		1.0			4.0
19		57		375	140	26	4.0		2.0			
20		57		372	122	25	4.0		1.0			
21		58	24	373	113	24	4.0		1.0			
22		59	97	366	107	23	3.0					
23		58	169	353	99	22	3.0					
24		59	168	331	94	24	3.0					
25		55	168	313	88	24	4.0					
26		52	183	298	84	23	4.0					
27		114	213	282	80	23	7.0					
28		144	240	263	74	22	4.0					
29		144	249	244	69	17	3.0					
30			266	232	62	16	2.0	31				
31			276		55		2.0	45				
Total		1,805	4,271	9,803	4,899	920	210	120	33			40
Ac-ft		3,580	8,472	19,444	9,717	1,825	417	238	65			79

Total for the Year: 43,838 ac-ft

# 2020

## STORED WATER RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1					206	453	618	603	500	245		146
2					238	457	619	605	502	245		157
3					255	459	622	600	501	243		192
4					247	480	623	592	486	243		199
5					207	502	624	601	479	234		206
6					244	500	632	601	478	228		208
7					285	498	627	591	460	220		208
8					309	497	636	579	432	209		212
9					306	496	640	579	407	209		193
10					314	494	610	579	398	208		134
11					306	509	592	580	379	208		115
12					306	514	593	579	339	208		116
13					309	536	590	578	342	207		118
14					314	556	590	578	312	207		104
15					319	512	588	578	291	207		98
16					324	477	588	576	290	207		97
17					335	478	590	576	289	206		98
18					340	477	591	591	290	206		31
19					354	501	590	624	288	206		
20				6.0	371	522	589	620	289	205		
21				25	394	523	587	487	282	205		
22				43	403	523	587	421	278	205		
23				79	411	523	587	422	277	84		
24				117	410	543	579	485	277	19		
25				137	416	588	574	519	277	19		
26				153	420	614	574	517	276	19		
27				170	424	614	572	516	276	19	130	
28				206	430	615	576	516	264	19	193	
29				234	435	619	576	515	246	19	187	
30				247	442	619	576	484	246	19	178	
31					449		576	469		19		
<b>Total</b>				1,417	10,523	15,699	18,516	17,161	10,451	4,997	688	2,632
<b>Ac-ft</b>				2,811	20,872	31,139	36,726	34,039	20,730	9,912	1,365	5,220

Total for the Year: 162,813 ac-ft

# 2020

## GILA RIVER AT KELVIN ARIZONA

Mean daily diversions, cubic feet per second

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	72	15	159	286	440	427	635	584	483	229	11	170
2	56	15	155	299	438	422	661	586	483	228	10	147
3	46	15	148	306	450	420	653	585	481	228	13	152
4	37	15	145	315	453	435	641	585	481	228	13	181
5	28	14.2	159	323	431	478	637	582	463	228	12	192
6	21	89	164	324	391	495	634	582	457	220	13	194
7	15	91	164	323	419	493	642	584	456	215	14	195
8	14	93	164	324	448	492	633	571	435	207	18	196
9	14	83	166	323	452	491	644	558	410	198	21	196
10	15	65	149	344	444	493	645	557	736	196	21	183
11	15	70	118	358	445	491	609	556	396	193	22	138
12	14	68	97	361	444	508	593	554	364	192	24	116
13	14	65	117	351	442	509	593	554	324	193	25	113
14	14	64	185	347	443	533	593	552	331	192	25	112
15	13	64	132	346	444	553	592	551	292	192	25	105
16	13	65	123	345	444	500	596	546	277	192	25	98
17	15	65	126	344	444	466	596	571	274	191	25	96
18	16	65	123	351	444	467	598	552	272	192	24	95
19	15	64	504	362	440	465	593	572	271	192	28	78
20	14	65	606	366	441	496	594	601	270	193	29	40
21	15	64	194	366	445	514	592	602	271	193	30	28
22	16	74	124	385	461	511	594	445	263	193	30	23
23	23	227	144	392	464	510	598	392	259	193	31	20
24	27	203	198	414	464	510	609	406	258	115	32	20
25	24	150	195	423	463	540	601	459	256	39	35	18
26	20	116	190	422	461	590	596	484	256	21	36	17
27	17	90	204	422	460	612	588	485	254	17	38	16
28	16	123	225	422	436	611	591	486	255	15	69	15
29	15	161	240	437	426	606	595	482	242	13	203	15
30	15		244	441	426	606	589	485	229	15	209	15
31	15		258		426		585	484		13		15
<b>Total</b>	661	2,356	5,920	10,822	13,729	15,244	18,920	16,593	10,499	4,925	1,109	2,999
<b>Ac-ft</b>	1,311	4,674	11,743	21,465	27,231	30,236	37,528	32,912	20,825	9,768	2,199	5,949

Total for the Year: 205,841 ac-ft

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

# 2020

## OPERATION OF SAN CARLOS RESERVOIR

Quantities in Acre-Feet

2020 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	42887	76767	33880	31569	5436	334	37339	267	513	780	2679	
FEB	76767	113480	36713	48760	2590	334	51684	3584	513	4097	10874	
MAR	113480	198834	85354	100909	16361	1045	118315	8493	1790	10283	22678	
APR	198834	203946	5112	34904	817		35721	22255	4015	26270	4339	
MAY	203946	177046	-26900	9579	141	132	9852	30590	5340	35930	822	
JUN	177046	138579	-38467	1821	6		1827	32964	5712	38676	1618	
JUL	138579	94754	-43825	416		577	993	37143	5005	42148	2670	
AUG	94754	59045	-35709	237		346	583	34277	3574	37851		-1559
SEP	59045	36827	-22218	68			68	20795	2373	23168		-882
OCT	36827	26255	-10572			217	217	9912	1608	11520		-731
NOV	26255	24581	-1674			67	67	1365	1009	2374		-633
DEC	24581	19538	-5043	204		63	267	5359	562	5921		-611
<b>Totals</b>			<b>-23349</b>	<b>228467</b>	<b>25351</b>	<b>3115</b>	<b>256933</b>	<b>207004</b>	<b>32014</b>	<b>239018</b>	<b>45680</b>	<b>-4416</b>

# 2020

In Acre-Feet

2020 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	42887							
JAN	76767	33880	37339	780	2679	0	2679	2679
FEB	113480	36713	89023	4877	10874	0	13553	10874
MAR	198834	85354	207338	15160	22678	0	36231	22678
APR	203946	5112	243059	41430	4339	0	40570	4339
MAY	177046	-26900	252911	77360	822	0	41392	822
JUN	138579	-38467	254738	116036	1618	0	43010	1618
JUL	94754	-43825	255731	158184	2670	0	45680	2670
AUG	59045	-35709	256314	196035	0	-1559	44121	-1559
SEP	36827	-22218	256382	219203	0	-882	43239	-882
OCT	26255	-10572	256599	230723	0	-731	42508	-731
NOV	24581	-1674	256666	233097	0	-633	41875	-633
DEC	19538	-5043	256933	239018	0	-611	41264	-611
Graph:	STORAGE		INFLOW	RELEASES	BANK STOR/REL			

# 2020

## WATER SURFACE ELEVATIONS, SAN CARLOS RESERVOIR

Elevation in Feet

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2422.06	2431.40	2440.41	2453.14	2453.60	2449.61	2443.41	2435.13	2426.24	2419.63	2415.86	2415.07
2	2422.20	2431.66	2440.79	2453.31	2453.51	2449.46	2443.01	2434.84	2425.86	2419.48	2415.85	2414.91
3	2422.42	2431.87	2441.16	2453.45	2453.41	2449.38	2442.90	2434.55	2425.56	2419.30	2415.87	2414.75
4	2422.58	2432.03	2441.38	2453.57	2453.30	2449.18	2442.65	2434.25	2425.30	2419.11	2415.85	2414.57
5	2422.77	2432.16	2441.60	2453.66	2453.25	2449.00	2442.40	2433.94	2425.03	2418.94	2415.85	2414.38
6	2422.95	2432.34	2441.78	2453.74	2453.13	2448.80	2442.04	2433.63	2424.72	2418.78	2415.86	2414.20
7	2423.06	2432.46	2441.93	2453.84	2453.04	2448.58	2441.78	2433.35	2424.42	2418.60	2415.87	2414.01
8	2423.26	2432.58	2442.03	2453.91	2452.93	2448.31	2441.50	2433.06	2424.13	2418.28	2415.80	2413.85
9	2423.42	2432.74	2442.19	2453.96	2452.80	2448.19	2441.22	2432.77	2423.91	2419.31	2415.85	2413.69
10	2423.56	2432.90	2442.35	2454.01	2452.68	2448.03	2440.97	2432.47	2423.65	2417.94	2415.82	2413.61
11	2423.74	2433.02	2442.51	2454.02	2452.59	2447.79	2440.68	2432.18	2423.41	2417.79	2415.82	2413.51
12	2423.86	2433.15	2442.70	2454.06	2452.48	2447.65	2440.56	2431.88	2423.20	2417.63	2415.82	2413.42
13	2423.98	2433.35	2442.94	2454.11	2452.33	2447.38	2440.18	2431.60	2423.01	2417.46	2415.82	2413.29
14	2424.14	2433.56	2443.75	2454.17	2452.23	2447.19	2439.89	2431.30	2422.80	2417.29	2415.80	2413.24
15	2424.14	2433.83	2444.27	2454.20	2452.10	2446.99	2439.75	2431.02	2422.63	2417.13	2415.81	2413.15
16	2424.48	2434.14	2444.81	2454.22	2452.00	2446.80	2439.46	2430.71	2422.46	2416.97	2415.81	2413.05
17	2424.60	2434.37	2445.42	2454.23	2451.86	2446.59	2439.23	2430.42	2422.27	2416.77	2415.81	2412.97
18	2424.98	2434.66	2446.15	2454.22	2451.73	2446.44	2438.96	2430.12	2422.06	2416.61	2415.82	2412.95
19	2425.55	2434.90	2446.94	2454.21	2451.57	2446.18	2438.70	2429.79	2421.88	2416.45	2415.80	2412.93
20	2426.20	2435.16	2448.09	2454.19	2451.44	2445.98	2438.41	2429.52	2421.71	2416.28	2415.82	2412.93
21	2426.87	2435.37	2448.81	2454.16	2451.29	2445.79	2438.13	2429.27	2421.51	2416.12	2415.81	2412.88
22	2427.34	2435.74	2449.54	2454.14	2451.14	2445.57	2437.85	2429.01	2421.33	2415.94	2415.80	2412.87
23	2427.82	2436.06	2450.20	2454.08	2450.99	2445.40	2437.61	2428.79	2421.14	2415.90	2415.80	2412.86
24	2428.40	2436.38	2450.78	2454.04	2450.84	2445.11	2437.35	2428.54	2420.95	2415.89	2415.78	2412.87
25	2428.96	2436.91	2451.18	2454.01	2450.69	2444.89	2437.08	2428.25	2420.76	2415.87	2415.79	2412.87
26	2429.46	2437.60	2451.58	2453.96	2450.54	2444.65	2436.81	2427.99	2420.56	2415.87	2415.78	2412.87
27	2429.90	2438.32	2451.95	2453.89	2450.39	2444.38	2436.54	2427.69	2420.38	2415.86	2415.64	2412.87
28	2430.24	2439.21	2452.24	2453.82	2450.24	2444.11	2436.26	2427.43	2420.18	2415.86	2415.50	2412.88
29	2430.57	2439.89	2452.49	2453.75	2450.05	2443.84	2435.99	2427.14	2419.99	2415.87	2415.32	2412.84
30	2430.90		2452.69	2453.69	2449.91	2443.60	2435.71	2426.83	2419.82	2415.87	2415.16	2412.87
31	2431.16		2452.97		2449.76		2435.42	2426.53		2415.86		2412.87

# 2020

## WATER SURFACE AREAS, SAN CARLOS RESERVOIR

Area in Acres

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3183	4041	5630	7069	7142	6532	5924	4412	3635	2885	2433	2338
2	3200	4065	5667	7096	7128	6517	5885	4366	3607	2867	2431	2318
3	3227	4085	5704	7119	7112	6509	5874	4338	3585	2845	2434	2297
4	3247	4100	5725	7138	7095	6490	5805	4310	3566	2822	2431	2274
5	3270	4113	5747	7152	7087	6472	5825	4281	3547	2802	2431	2249
6	3292	4130	5764	7165	7068	6452	5790	4251	3510	2783	2433	2226
7	3306	4141	5779	7181	7053	6431	5764	4225	3473	2761	2434	2202
8	3330	4152	5789	7192	7036	6404	5737	4198	3438	2723	2425	2181
9	3350	4167	5805	7200	7015	6393	5710	4170	3410	2846	2431	2160
10	3367	4183	5820	7208	6996	6377	5685	4142	3378	2682	2428	2150
11	3389	4194	5836	7209	6982	6353	5657	4114	3349	2664	2428	2137
12	3404	4206	5855	7216	6964	6340	5645	4086	3323	2645	2428	2125
13	3419	4225	5878	7223	6940	6313	5608	4060	3300	2624	2428	2109
14	3439	4245	5957	7233	6925	6295	5563	4031	3274	2604	2425	2102
15	3457	4270	6008	7238	6904	6275	5530	4005	3253	2585	2427	2091
16	3491	4300	6061	7241	6888	6256	5459	3976	3232	2566	2427	2078
17	3495	4321	6121	7243	6866	6236	5404	3948	3208	2542	2427	2067
18	3542	4349	6193	7241	6845	6221	5339	3920	3183	2522	2428	2065
19	3585	4371	6270	7239	6820	6196	5276	3893	3160	2503	2425	2062
20	3632	4420	6383	7236	6799	6176	5206	3874	3139	2483	2428	2062
21	3681	4470	6453	7231	6775	6157	5138	3855	3115	2464	2427	2056
22	3715	4560	6525	7228	6751	6136	5070	3836	3093	2442	2425	2054
23	3750	4637	6570	7219	6727	6119	5012	3820	3069	2437	2425	2053
24	3792	4715	6694	7212	6704	6091	4949	3802	3046	2436	2423	2054
25	3833	4843	6758	7208	6680	6069	4884	3781	3022	2434	2424	2054
26	3869	5010	6821	7200	6656	6046	4819	3762	2998	2434	2423	2054
27	3901	5184	6880	7189	6632	6019	4753	3740	2976	2433	2406	2054
28	3931	5399	6926	7177	6608	5993	4686	3721	2951	2433	2389	2056
29	3962	5563	6966	7166	6578	5966	4620	3700	2928	2434	2368	2051
30	3994		6998	7157	6561	5943	4553	3678	2907	2434	2349	2054
31	4018		7042		6546		4482	3656		2433		2054

# 2020

## AVAILABLE STORED WATER, SAN CARLOS RESERVOIR

Storage in Acre-feet

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	43648	77734	120120	200034	203303	176065	137452	93465	57988	36277	26255	24307
2	44094	78788	122267	201238	202660	175087	135090	92193	56612	35846	26230	23998
3	44801	79644	124371	202233	201948	174566	134443	90931	55533	35332	26279	23629
4	45319	80298	125628	203088	201167	173266	132978	89634	54603	34793	26230	23217
5	45938	80832	126890	203731	200813	172099	131519	88302	53643	34315	26230	22787
6	46529	81574	127926	204304	199963	170807	129428	86980	52549	33869	26255	22385
7	46892	82070	128792	205021	199328	169390	127926	85793	51501	33370	26279	21964
8	47555	82568	129370	205524	198553	167657	126316	84572	50499	32492	26109	21613
9	48090	83233	130297	205884	197640	166889	124713	83358	49746	35360	26230	21266
10	48560	83901	131227	206244	196799	165868	123289	82112	48864	31574	26157	21094
11	49168	84404	132160	206316	196170	164340	121644	80914	48056	31173	26157	20879
12	49576	84950	133271	206605	195403	163451	120966	79684	47356	30748	26157	20688
13	49985	85793	134678	206966	194360	161743	118828	78544	46727	30300	26157	20412
14	50534	86682	139472	207400	193667	160546	117207	77330	46036	29856	26109	20307
15	51051	87832	142583	207617	192768	159289	116430	76205	45482	29441	26133	20118
16	51710	89160	145842	207762	192078	158098	114837	74968	44930	29029	26133	19910
17	52129	90152	149558	207834	191116	156786	113588	73819	44319	28518	26133	19744
18	53466	91409	154052	207762	190224	155852	112138	72639	43648	28113	26157	19703
19	55497	92455	158975	207689	189131	154238	110758	71350	43077	27711	26109	19662
20	57843	93597	166250	207544	188246	153001	109238	70302	42541	27287	26157	19662
21	60292	94530	170871	207327	187228	151829	107790	69336	41916	26891	26133	19559
22	62030	96201	175609	207183	186213	150477	106361	68336	41357	26450	26109	19538
23	63822	97673	179938	206749	185203	149435	105151	67493	40772	26352	26109	19518
24	66009	99169	183793	206461	184195	147665	103856	66541	40191	26303	26060	19538
25	68144	101702	186484	206244	183191	146327	102528	65441	39614	26279	26085	19538
26	70069	105101	189199	205884	182191	144873	101219	64460	39012	26279	26060	19538
27	71779	108770	191734	205381	181195	143245	99926	63335	38475	26255	25722	19538
28	73110	113480	193736	204878	180202	141623	98605	62365	37882	26255	25387	19559
29	74413	117207	195473	204376	178949	140008	97349	61289	37323	26279	24958	19476
30	75725		196869	203946	178029	138579	96064	60145	36827	26279	24581	19538
31	76767		198834		177046		94754	59045		26255		19538

# 2020

## DAILY EVAPORATION, SAN CARLOS RESERVOIR

Acre-feet

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	11	23	55	92	135	170	170	125	81	63	47	34
2	13	23	18	115	135	185	157	122	92	65	40	26
3	14	42	69	112	169	243	182	121	101	70	34	26
4	11	29	88	126	186	191	192	120	110	59	39	29
5	10	40	86	125	175	192	198	126	110	66	47	31
6	21	37	58	122	230	177	212	133	96	64	44	26
7	17	61	68	110	112	192	184	117	129	69	39	40
8	14	7	26	129	219	192	229	121	89	58	29	33
9	8	21	47	132	168	190	205	134	78	63	50	20
10	11	49	37	115	86	136	213	142	68	63	18	11
11	12	17	22	95	227	163	198	141	38	60	20	10
12	12	34	33	103	192	175	208	133	45	47	6	9
13	13	29	38	102	221	269	193	127	70	64	37	20
14	11	25	40	110	153	195	192	133	73	61	31	16
15	11	35	59	122	177	186	182	136	63	65	26	11
16	3	31	59	135	177	211	142	102	76	57	32	17
17	22	39	65	172	224	195	113	101	76	60	31	4
18	14	33	34	58	157	188	170	103	70	77	34	20
19	17	34	16	125	215	182	161	114	75	42	38	11
20	24	42	48	139	170	170	201	133	74	51	34	10
21	8	30	74	141	171	181	153	103	70	51	31	10
22	34	16	57	146	182	201	176	102	80	55	33	13
23	15	19	90	175	178	212	54	87	81	49	42	24
24	9	37	80	180	181	207	43	108	73	40	37	10
25	22	63	82	167	77	169	79	94	87	47	24	12
26	20	48	61	185	156	148	123	100	81	26	39	11
27	37	31	68	174	186	196	111	76	78	12	30	11
28	22	24	75	180	178	205	115	103	76	15	31	33
29	25	65	94	179	171	213	143	107	66	31	31	3
30	29		86	149	162	178	164	104	67	29	35	23
31	23		57		170		142	106		29		8
<b>Total</b>	513	984	1,790	4,015	5,340	5,712	5,005	3,574	2,373	1,608	1,009	562

Total for the Year: 32,485 acre-feet

# 2020

## DAILY RAINFALL, SAN CARLOS RESERVOIR

Acre-feet

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1								37				
2												
3												
4												
5												
6												
7											18	
8											49	
9	31											
10		177	232									48
11		35	24									
12			253									
13			54									
14										172		
15								20				
16	182						46					
17												
18			482									
19												
20	69							249				
21	52	152										
22		489					519					
23												
24							12					
25										45		
26												
27												
28					132							
29								22				15
30								18				
31												
<b>Total</b>	334	853	1,045		132		577	346		217	67	63

Total for the Year: 3,634 ac-ft

# 2020

## RAINFALL AT COOLIDGE DAM

Elevation approximately 2,550 feet

Inches

2020 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1								0.10				
2												
3												
4												
5												
6												
7											0.09	
8											0.24	
9	0.11											
10		0.51	0.48									0.27
11		0.10	0.05									
12			0.52									
13			0.11									
14										0.79		
15								0.06				
16	0.63						0.10					
17												
18			0.94									
19												
20	0.23							0.77				
21	0.17	0.41										
22		1.30					1.22					
23												
24							0.03					
25										0.22		
26												
27												
28					0.24							
29								0.07				0.09
30								0.06				
31												
<b>Total</b>	1.14	2.32	2.10		0.24		1.35	1.06		1.01	0.33	0.36

Note: T-Trace

Total for Year : 9.91 inches

# 1956-2020

## 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

# 1956-2020

## MONTHLY RAINFALL AT COOLIDGE DAM

Inches

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

# BROWN & BROWN LAW OFFICES P.C.

A PROFESSIONAL CORPORATION OF ATTORNEYS

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

February 12, 2021

## 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., 4<sup>th</sup> Floor  
Phoenix, AZ 85004

Linus Everling  
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: 2020 annual report  
February 12, 2021  
Page 2

Re: 2020 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 2020."

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](mailto:lhollingsworth@domenicilaw.com)  
Douglas Behm - [dbehm@behmlaw.com](mailto:dbehm@behmlaw.com)  
Merrill Godfrey - [mgodfrey@akingump.com](mailto:mgodfrey@akingump.com)  
Linus Everling - [linus.everling@gric.nsn.us](mailto:linus.everling@gric.nsn.us)

## Arizona Irrigation Districts

### Provisional Annual Total Water Use 2020

Franklin Irrigation District		Gila Valley Irrigation District	
TBI Acres	2,582.86	TBI Acres	22,765.42
Surface Water (AF)		Surface Water (AF)	
January	0.00	January	30.00
February	5.93	February	110.00
March	355.04	March	12,191.00
April	1,085.77	April	12,226.00
May	993.50	May	5,659.00
June	202.88	June	3,017.00
July	35.36	July	2,062.00
August	0.00	August	2,587.00
September	34.60	September	670.00
October	0.00	October	20.00
November	66.81	November	2,801.00
December	86.98	December	3,218.00
Total Surface Water	2,866.89	Total Surface Water	44,591.00
Pumped Water (AF)		Pumped Water (AF)	
Quarter 1	294.02	Quarter 1	5,849.51
Quarter 2	2,956.29	Quarter 2	20,892.00
Quarter 3	3,498.66	Quarter 3	47,022.49
Quarter 4	872.41	Quarter 4	2,699.01
Total Pumped Water	7,621.39	Total Pumped Water	76,463.00
Total Water (AF)	10,488.28	Total Water (AF)	121,054.00
Water Duty (AF/A)	4.06	Water Duty (AF/A)	5.32

#### Arizona Irrigation District Totals

TBI Acres	25,348.28
Surface Water (AF)	47,457.89
Pumped Water (AF)	84,084.39
Total Water (AF)	131,542.28
Water Duty (AF/A)	5.19

Sunset Ditch Company  
110 Richmond Ave. Box 4  
Virden, New Mexico 88045  
575-358-2594

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March 24 2021

Secretary of the Interior  
Department of the Interior  
1849 C Street NW  
Washington, DC 20240

Regional Director  
Bureau of Reclamation  
Lower Colorado Region  
PO Box 427  
Boulder City, NV 89005

Department of Interior  
Bureau of Indian Affairs  
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Phoenix, AZ 85004

Linus Everling, Acting General Counsel  
Gila River Indian Community  
PO Box 97  
Sacaton, AZ 85747

General Manager and General Counsel  
San Carlos Irrigation & Drainage District  
PO 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  
PO box 97  
Sacaton, AZ 85747

RE: New Mexico Canals 2020 Annual Water Use Report

Dear Sir or Madam:

Enclosed please find a copy of the 2020 Annual Water Use Report for Sunset Ditch Company and New Mexico New Model.

Sincerely,

Sunset Ditch Company

---

Hollie Jones, Secretary

Encl.

Sunset Ditch Company  
110 Richmond Ave. Box 4  
Virden, NM 88045  
575-358-2594

---

cc: L. Anthony Fines via email  
David Brown via email  
Brent Moody via email  
Patricia Doyle, Acting Water Commissioner, via email  
Clients via email

Sunset Ditch Company  
 110 Richmond Ave. Box 4  
 Virden, NM 88045  
 575-358-2594

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New Mexico Canals Provisional Adjusted Total Water Use 2019

Sunset Canal		New Model Canal New Mexico	
Sunset Subjugated Acres	Not determined by STC	New Model NM Subjugated Acres	Not determined by STC
Sunset TBI Eligible Acres	Not determined by STC	New Model NM Eligible Acres	Not determined by STC
Sunset TBI (acres) (Just NM side)	1,909.80	New Model NM TBI (acres) (Just NM side)	280.30
Sunset Surface Water (AF)	4,602.62	New Model NM Surface Water (AF)	238.25
Sunset Pumped Water (AF)	6,916.20	New Model NM Pumped Water (AF)	577.00
Sunset Total Use for Fallowing (AF)	0.00	New Model NM Total Use for Fallowing (AF)	0.00
Sunset Total Water (AF)	11,518.82	New Model NM Total Water (AF)	815.25

New Mexico Canals Totals

Subjugated Acres	Not determined by STC
TBI Eligible Acres	Not determined by STC
TBI (Acres)	2,190.10
Surface Water (AF)	4,840.87
Pumped Water (AF)	7,493.20
Total Use for Fallowing	
Total Water (AF)	12,334.07 = 5.63 ac/ft.

Reports used:	December 2020 Summary of TBI Acres:	Gila Water Commissioner
	December 2020 Well Report:	NM State Engineer
	December 2020 Monthly Surface Water:	Gila Water Commissioner