

Eighty Fourth 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

2019



EIGHTY FOURTH ANNUAL REPORT

2019

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, 2020

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-Fourth 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 2019.

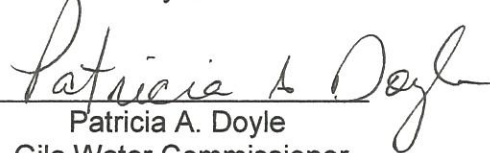
Respectfully,



Patricia A. Doyle
Gila Water Commissioner

State of Arizona)
) ss:
County of Graham)

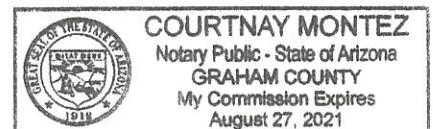
I, Patricia A. Doyle, Gila Water Commissioner, hereby certify that the following is a true and correct record of distribution of waters of the Gila River for the calendar year 2019, to the best of my knowledge and belief. Furthermore, that the Financial Statement submitted herein is a true and accurate record of all receipts and disbursements for the calendar year 2019.



Patricia A. Doyle
Gila Water Commissioner

Subscribed and sworn to before me this 9 day of December, 2020.

Notary Public



My commission expires: Aug 27, 2021

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Office Of The Gila Water Commissioner

207 W 5TH (HWY 70)
Safford, Arizona 85546
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PERSONNEL

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

SOURCES OF DATA

Stream flow data of the Gila River, its tributaries, and the San Carlos Reservoir data, (except evaporation and rainfall at San Carlos Reservoir), are provided by the United States Geological Survey, Arizona Water Science Center. James Leenhouts is the 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 Robert Lunt, 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**, 31,344.55 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 144,584.7 acres.

DISTRIBUTION OF WATERS

Total Capacity of San Carlos Reservoir	861,540 ac-ft
January 1, 2019, Stored water in the San Carlos Reservoir:	19,415 ac-ft
December 31, 2019 Stored water in San Carlos Reservoir:	42,887 ac-ft
Percent of total capacity.	4.98% ac-ft

Apportioned to the Upper Valleys, (Franklin and Safford Valley), 4.68 ac-ft

A total of 4.68 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: 209,545 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.

2019 WATER SUPPLY

Total flow of the Gila River, as recorded at Gila River at Head of Safford Valley Near Solomon:	260,795 ac-ft
Total Inflow into the San Carlos Reservoir from the Gila River and the San Carlos River	234,805 ac-ft
Total water spilled and sluiced at Ahsurt-Hayden Dam:	30,665 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
07/11/18	WET	REPORTED				
05/30/19	DRY	REPORTED				
11/19/19	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:

2019	Gila River below Blue Creek (good)*	San Francisco River at Clifton (good)*	Total	Gila at Calva (poor)*	Consumptive use	Accumulated Consumptive use
Jan.	11,990	5,189	17,179	14,206	2,973	2,973
Feb.	17,879	10,167	28,046	23,467	4,579	7,552
Mar.	47,219	58,128	105,347	75,276	30,071	37,623
Apr.	16,146	14,912	31,058	25,190	5,868	43,491
May	5,925	4,766	10,691	6,469	4,222	47,713
Jun.	1,009	1,365	2,374	1,256	1,118	48,831
Jul.	141	909	1,050	487	563	49,394
Aug.	624	2,126	2,750	308	2,442	51,836
Sep.	2,146	3,172	5,318	2,344	2,974	54,810
Oct.	1,321	1,543	2,864	344	2,520	57,330
Nov.	6,379	12,035	18,414	7,258	11,156	68,486
Dec.	24,024	17,814	41,838	42,026	-188	68,298
TOTALS	134,803	132,126	266,929	198,631	68,298	68,298

UPPER VALLEYS 2019 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.

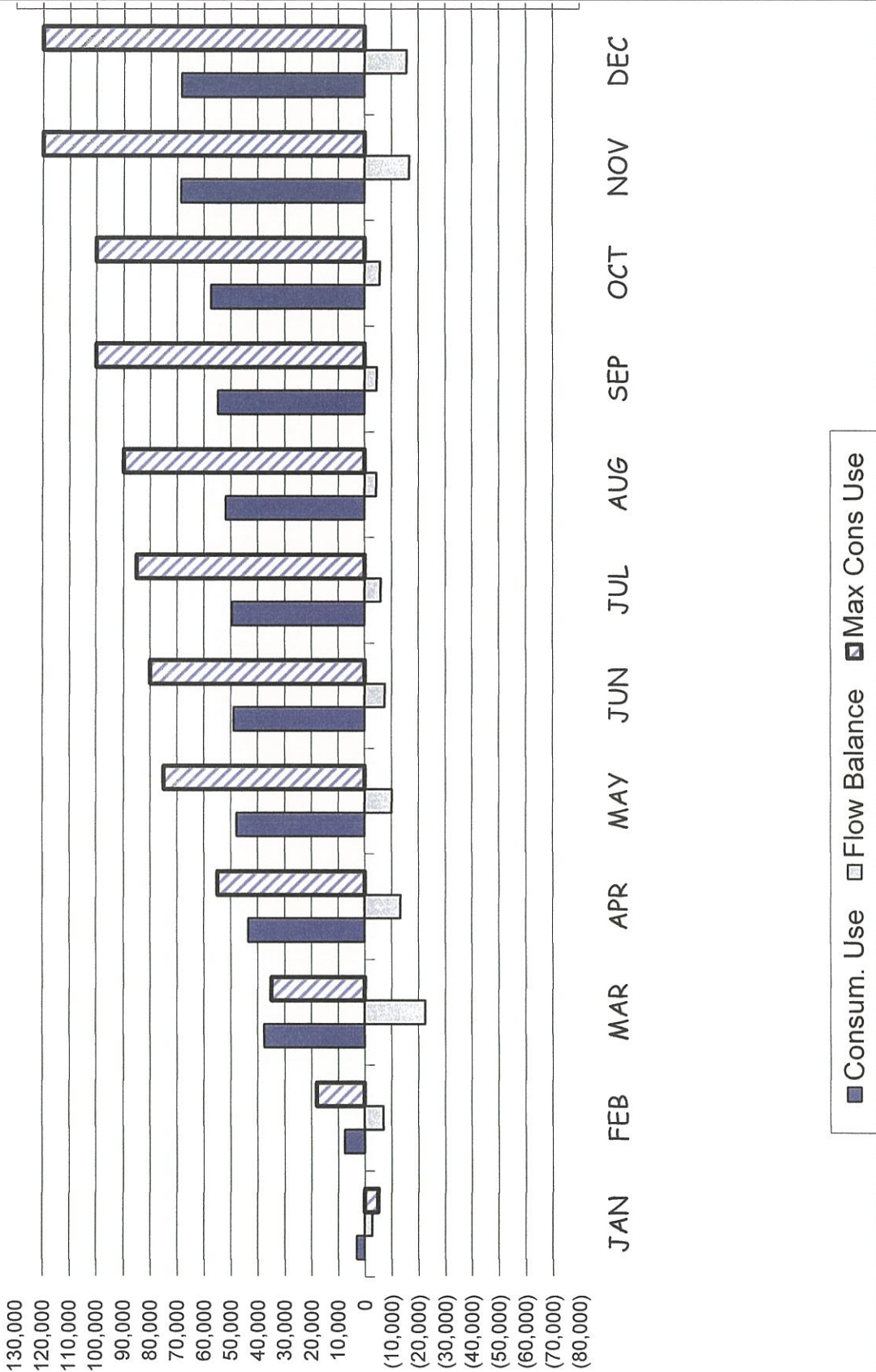
THIS TRACKING METHOD HAS NOT BEEN ADOPTED AS THE ONLY INDICATOR OR GUIDELINE IN PROJECTING
ACTUAL CONSUMPTIVE USE under the Gila Decree

Input data rounded to USGS standards - IN ACRE-FEET

2019 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			
JAN	2,973	2,973	161	161	15,457	15,457	(2,812)	14,206	11,990	5,189	161	-2,812	17,179	75,000
FEB	4,579	7,552	447	608	23,784	39,241	(4,132)	23,467	17,879	10,167	447	-6,944	28,046	75,000
MAR	30,071	37,623	14,440	15,048	104,538	143,779	(15,631)	75,276	47,219	58,128	14,440	-22,575	105,347	75,000
APR	5,868	43,491	15,122	30,170	31,308	175,087	9,254	25,190	16,146	14,912	15,122	-13,321	31,058	75,000
MAY	4,222	47,713	7,448	37,618	9,285	184,372	3,226	6,469	5,925	4,766	7,448	-10,095	10,691	75,000
JUN	1,118	48,831	3,718	41,336	2,830	187,202	2,600	1,256	1,009	1,365	3,718	-7,495	2,374	80,000
JUL	563	49,394	2,081	43,417	2,311	189,513	1,518	487	141	909	2,081	-5,977	1,050	85,000
AUG	2,442	51,836	4,095	47,512	3,449	192,962	1,653	308	624	2,126	4,095	-4,324	2,750	90,000
SEP	2,974	54,810	2,769	50,281	6,423	199,385	(205)	2,344	2,146	3,172	2,769	-4,529	5,318	100,000
OCT	2,520	57,330	1,325	51,606	3,221	202,606	(1,195)	344	1,321	1,543	1,325	-5,724	2,864	100,000
NOV	11,156	68,486	277	51,883	15,464	218,070	(10,879)	7,258	6,379	12,035	277	-16,603	18,414	120,000
DEC	-188	68,298	770	52,653	42,725	260,795	958	42,026	24,024	17,814	770	-15,645	41,838	120,000
TOTALS	68,298		52,653		260,795		-15,645	198,631	134,803	132,126	52,653		266,929	
Graph	Consum. Use →		Diversions		Graph					Flow Bal	River Flow	Max Cons Use		

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

2019 CONSUMPTIVE USE RECOMMENDATIONS Vs CUMULATIVE FLOW BALANCE



Consum. Use
 Flow Balance
 Max Cons Use

2019

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	11990	17879	47219	16146	5924	1009	141	624	2146	1321	6379	24024	134801
Duncan Valley Diversions	103	230	1634	2241	1912	590	0	289	285	462	166	0	7909
Gila River near Clifton	10854	14370	37968	15396	4299	1209	1158	1428	3287	1230	4468	19962	115629
San Fran. River @ Clifton	5189	10167	58128	14912	4765	1365	909	2126	3171	1543	12035	17814	132124
Gila Solomon	15457	23784	104538	31308	9284	2831	2311	3450	6422	3222	15464	42725	260795
Safford Valley Diversions	58	217	12807	12880	5536	3127	2082	3805	2484	864	112	770	44744
San Carlos Agency Divs.	0	0	0	0	0	0	0	0	0	0	0	0	0
Gila Calva	14206	23467	75276	25190	6469	1256	487	308	2344	344	7258	42026	198631
San Carlos R. @ Peridot	810	16160	13855	444	84	12	0	0	0	0	149	4644	36158
Stored Water	0	0	0	1069	16713	26799	33783	31982	17961	5958	0	0	134265
Gila Below Coolidge Dam	759	296	4727	18415	21857	28067	34271	32289	20303	6324	318	300	167926
Winkelman Divs. (Indust)	702	680	757	748	867	835	992	931	865	591	366	357	8691
Winkelman Divs. (Ag.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Gila River @ Kelvin	2004	16145	6303	16667	19880	26458	32980	31730	21426	6116	2856	6920	189485
A-H Diversions	0	0	3179	18483	17431	23842	30903	28785	19688	5786	104	0	148201
A-H Spilled	1527	15521	3285	0	1995	0	234	73	595	69	3927	3439	30665
A-H Sluiced	0	0	0	0	0	0	0	0	0	0	0	0	0
A-H Total	1527	15521	6464	18483	19426	23842	31137	28858	20283	5855	4031	3439	178866
Loss Kelvin to A-H	-477	-624	161	1816	-454	-2616	-1843	-2872	-1143	-261	1175	-3481	-10619
Sacaton Diversions													0

SUMMARY OF THE GILA RIVER SYSTEM

Quantities in Acre-feet

NATURAL FLOW FROM THE GILA RIVER AND TRIBUTARIES

Gila River Below Blue Creek	2019
San Francisco River at Clifton	134,801
San Carlos River near Peridot	132,124
Gain from Gila Below Coolidge Dam to Gila at Kelvin	36,158
	21,559

INFLOWS, SAN CARLOS RESERVOIR

Gila River at Calva plus San Carlos River near Peridot	234,789
GILA RIVER BELOW COOLIDGE DAM	167,926

CONTENTS IN STORAGE, SAN CARLOS RESERVOIR

Available contents January 1, 2019	19,415
Available contents December 31, 2019.....	42,887

WATER DIVERTED FROM THE GILA RIVER

Duncan-Virden Valley canal diversions	7,909
Safford Valley canal diversions	44,744
San Carlos Apache Tribe	0
Winkelman Valley Agricultural diversions	0
Winkelman Valley industrial and municipal pumps	
ASARCO Incorporated	8,479
Town of Kearny	212
San Carlos Project	
Natural flow Ashurst-Hayden Dam	31,560
Stored water Ashurst-Hayden Dam	116,641
Natural flow Sacaton Dam	0
TOTAL DIVERSIONS	209,545

<u>SPILLED AND SLUICED ASHURT- HAYDEN DAM</u>	30,665
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SAN CARLOS RESERVOIR (SCR)

January 1, 2019 available stored water in the SCR acre-feet. (Plate 48)	19,703	ac-ft
Maximum storage for the year was April 9, 2019 (Plate 48)	151,521	ac-ft
Computed evaporation from the surface of the SCR (Plate 49)	22,233	ac-ft
Computed annual rainfall on SCR (Plate 50)	4,118	ac-ft
Computed bank storage for SCR (Plate 44).	31,630	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 2019

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.

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, 2019	1
January 31, 2019	1
February 28, 2019	1
March 31, 2019	1
April 30, 2019	1
May 31, 2019	1
June 30, 2019	1
July 31, 2019	1
August 31, 2019	1
September 30, 2019	1
October 31, 2019	1
November 30, 2019	1
December 31, 2019	1

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:

2019	NET BLACK RIVER WATER PUMPED	NET UPPER EAGLE CREEK WATER PUMPED	TOTAL IMPORTED WATER PUMPED	TOTAL FMI PUMPING FROM S. F. RIVER & EAGLE CREEK BASIN	TOTAL GILA WATERS PUMPED BY FREEPORT McMORAN
January	1,284	403	1,687	1,896	209
February	785	144	929	1,684	755
March	546	590	1,136	1,701	565
April	848	767	1,615	1,646	31
May	1,126	724	1,850	1,819	
June	697	899	1,596	1,320	
July	242	1,921	2,163	1,586	
August	623	1,810	2,433	2,052	
September	264	1,969	2,233	2,184	
October	142	2,037	2,179	1,846	
November	809	930	1,739	1,966	227
December	983	51	1,034	2,040	1,006
TOTALS	8,349	12,245	20,594	21,740	2,793
By-pass					
TOTAL					2,793

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 2019 have been supplied to the Water Commissioner and summarized on Plate 5 of the 2019 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 2019. 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 2019

The Seasonal Average Salinity on October 31, 2019 was 3,490 uS/cm. Daily data in support of the above figures can be found in the Water Commissioner's 2019 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-SRB
(a/k/a Globe Equity No. 59.)

**GILA RIVER @ GERONIMO STATION
WATER QUALITY DATA
2019**

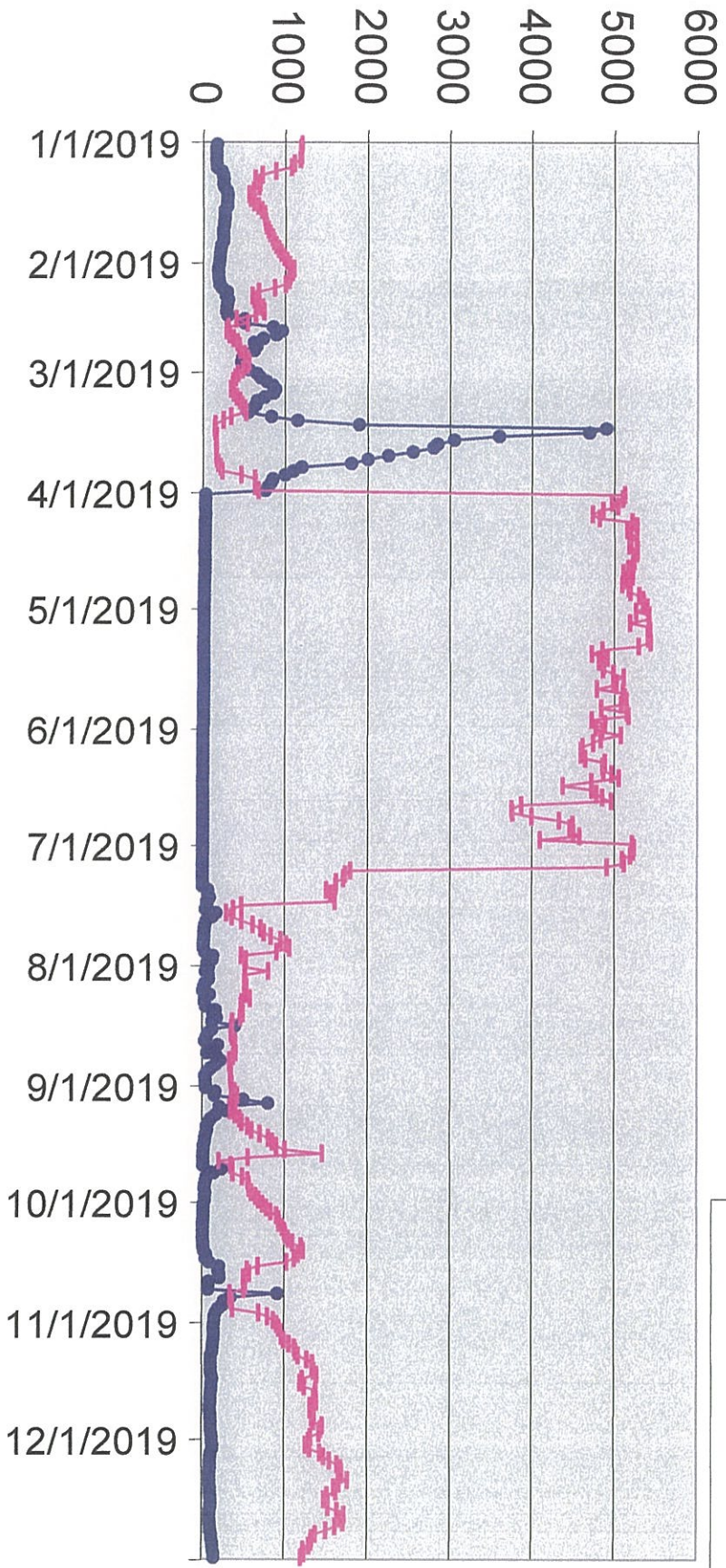
The following table for the year 2019 show daily flows and salinity at Geronimo Station

Any inconsistencies in the EC ($\mu\text{S}/\text{cm}$) readings may happen after sudden freshet occur in the Gila River. These sudden freshets dilute the salts in the river, causing the EC ($\mu\text{S}/\text{cm}$) 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	Date:	Flow	EC	Date:	Flow	EC	Date:	Flow	EC
	Cfs	MicroS-cm		Cfs	MicroS-cm		Cfs	MicroS-cm		Cfs	MicroS-cm
1-Jan	167	1197	1-Apr	700	728	1-Jul	12	4456	1-Oct	12	4788
2-Jan	158	1183	2-Apr	650	818	2-Jul	15	4345	2-Oct	10	5332
3-Jan	160	1185	3-Apr	590	876	3-Jul	10	4428	3-Oct	10	5820
4-Jan	160	1191	4-Apr	640	953	4-Jul	10	4944	4-Oct	8	5916
5-Jan	158	1177	5-Apr	600	991	5-Jul	9	5143	5-Oct	7	6008
6-Jan	160	1107	6-Apr	570	1045	6-Jul	8	4971	6-Oct	7	6123
7-Jan	166	1070	7-Apr	510	1082	7-Jul	7	4914	7-Oct	5	6066
8-Jan	221	879	8-Apr	470	1146	8-Jul	8	4918	8-Oct	5	5558
9-Jan	241	713	9-Apr	440	1174	9-Jul	6	4861	9-Oct	5	5420
10-Jan	247	630	10-Apr	440	1127	10-Jul	6	4763	10-Oct	8	4886
11-Jan	244	684	11-Apr	430	1074	11-Jul	6	4859	11-Oct	8	4806
12-Jan	255	674	12-Apr	410	1021	12-Jul	23	1818	12-Oct	9	4628
13-Jan	286	612	13-Apr	390	1148	13-Jul	22	1722	13-Oct	11	4491
14-Jan	295	554	14-Apr	350	1287	14-Jul	32	677	14-Oct	9	4633
15-Jan	292	573	15-Apr	300	1484	15-Jul	28	1892	15-Oct	9	4602
16-Jan	290	614	16-Apr	280	1570	16-Jul	23	2043	16-Oct	8	4538
17-Jan	290	665	17-Apr	265	1630	17-Jul	22	2085	17-Oct	7	4865
18-Jan	260	709	18-Apr	350	1634	18-Jul	22	2478	18-Oct	7	4726
19-Jan	260	743	19-Apr	320	1702	19-Jul	14	4957	19-Oct	6	5153
20-Jan	260	750	20-Apr	300	1784	20-Jul	9	5038	20-Oct	6	5832
21-Jan	255	754	21-Apr	295	1670	21-Jul	9	5011	21-Oct	6	6053
22-Jan	249	767	22-Apr	315	1625	22-Jul	8	4448	22-Oct	7	5659
23-Jan	241	789	23-Apr	330	1226	23-Jul	5	4778	23-Oct	7	5445
24-Jan	241	810	24-Apr	351	1331	24-Jul	4	4968	24-Oct	6	5482
25-Jan	243	839	25-Apr	300	1433	25-Jul	4	5262	25-Oct	5	5751
26-Jan	245	858	26-Apr	275	1500	26-Jul	3	5418	26-Oct	5	6083
27-Jan	223	883	27-Apr	260	1584	27-Jul	2	5524	27-Oct	6	6233
28-Jan	216	920	28-Apr	250	1601	28-Jul	3	5548	28-Oct	7	5583
29-Jan	208	947	29-Apr	262	1481	29-Jul	3	5437	29-Oct	6	5737
30-Jan	205	985	30-Apr	248	1555	30-Jul	2	4843	30-Oct	6	5943
31-Jan	199	1016	1-May	250	1630	31-Jul	13	2325	31-Oct	13	4592
1-Feb	194	1050	2-May	228	1716	1-Aug	6	3240	1-Nov	12	4871
2-Feb	183	1103	3-May	213	1896	2-Aug	5	4434	2-Nov	12	4646
3-Feb	187	1084	4-May	187	2032	3-Aug	4	4450	3-Nov	13	4357
4-Feb	187	1054	5-May	167	2282	4-Aug	6	4600	4-Nov	15	3937
5-Feb	192	1041	6-May	149	2461	5-Aug	4	4700	5-Nov	16	3872
6-Feb	197	1001	7-May	129	2791	6-Aug	4	4650	6-Nov	18	3695
7-Feb	228	869	8-May	110	3056	7-Aug	4	4700	7-Nov	18	3574
8-Feb	290	670	9-May	95	3197	8-Aug	8	5420	8-Nov	20	3204
9-Feb	280	595	10-May	90	3093	9-Aug	8	5400	9-Nov	20	3110
10-Feb	303	622	11-May	85	2849	10-Aug	10	5380	10-Nov	24	3035
11-Feb	292	676	12-May	111	2420	11-Aug	50	4500	11-Nov	25	3007
12-Feb	287	720	13-May	105	2457	12-Aug	12	4600	12-Nov	23	3085
13-Feb	282	739	14-May	119	2331	13-Aug	6	4900	13-Nov	27	2914
14-Feb	296	635	15-May	110	2462	14-Aug	4	4200	14-Nov	27	2836
15-Feb	500	397	16-May	110	2693	15-Aug	3	4900	15-Nov	30	2803
16-Feb	505	536	17-May	100	2940	16-Aug	3	5000	16-Nov	32	2766
17-Feb	850	299	18-May	87	3043	17-Aug	3	5200	17-Nov	33	2769
18-Feb	960	281	19-May	81	3198	18-Aug	3	5300	18-Nov	33	2741
19-Feb	890	319	20-May	80	3285	19-Aug	3	5400	19-Nov	36	2642
20-Feb	730	366	21-May	77	3248	20-Aug	3	5500	20-Nov	44	2351
21-Feb	620	417	22-May	70	3356	21-Aug	3	5550	21-Nov	220	824
22-Feb	650	439	23-May	67	3416	22-Aug	2	5500	22-Nov	700	295
23-Feb	620	444	24-May	51	4161	23-Aug	6	5100	23-Nov	322	431
24-Feb	500	500	25-May	43	4520	24-Aug	3	5300	24-Nov	208	638
25-Feb	478	535	26-May	37	4837	25-Aug	2	5400	25-Nov	160	810
26-Feb	466	556	27-May	35	4976	26-Aug	4	5400	26-Nov	140	963
27-Feb	490	535	28-May	30	5254	27-Aug	5	5200	27-Nov	140	1029
28-Feb	560	481	29-May	51	5335	28-Aug	30	2500	28-Nov	650	536
1-Mar	657	418	30-May	49	5394	29-Aug	9	3500	29-Nov	900	305
2-Mar	700	393	31-May	43	5417	30-Aug	6	4500	30-Nov	1100	248
3-Mar	775	365	1-Jun	41	5487	31-Aug	5	5000	1-Dec	1450	290
4-Mar	844	360	2-Jun	39	5571	1-Sep	2	5500	2-Dec	1450	353
5-Mar	880	334	3-Jun	38	5563	2-Sep	2	5500	3-Dec	1350	459
6-Mar	880	367	4-Jun	40	5445	3-Sep	1	5550	4-Dec	1250	549
7-Mar	750	405	5-Jun	40	5062	4-Sep	1	5550	5-Dec	1240	634
8-Mar	657	444	6-Jun	38	5230	5-Sep	1	5600	6-Dec	550	729
9-Mar	640	474	7-Jun	40	4966	6-Sep	1	5600	7-Dec	450	756
10-Mar	600	504	8-Jun	38	5050	7-Sep	250	2500	8-Dec	460	708
11-Mar	548	518	9-Jun	35	5205	8-Sep	15	1300	9-Dec	790	419
12-Mar	830	339	10-Jun	34	5251	9-Sep	10	2700	10-Dec	1250	238
13-Mar	1150	245	11-Jun	31	5515	10-Sep	5	4800	11-Dec	1950	132
14-Mar	1890	148	12-Jun	29	5607	11-Sep	4	4900	12-Dec	1650	304
15-Mar	4900	141	13-Jun	38	2357	12-Sep	3	5100	13-Dec	1170	402
16-Mar	4700	150	14-Jun	25	5612	13-Sep	2	5300	14-Dec	950	469
17-Mar	3600	165	15-Jun	23	5635	14-Sep	3	5200	15-Dec	827	538
18-Mar	3050	160	16-Jun	23	5589	15-Sep	4	5000	16-Dec	717	602
19-Mar	2850	159	17-Jun	23	5439	16-Sep	20	3600	17-Dec	630	662
20-Mar	2800	169	18-Jun	22	5540	17-Sep	230	2500	18-Dec	590	719
21-Mar	2550	164	19-Jun	20	5556	18-Sep	180	541	19-Dec	540	766
22-Mar	2250	163	20-Jun	21	5535	19-Sep	90	708	20-Dec	450	836
23-Mar	2000	168	21-Jun	18	5334	20-Sep	100	763	21-Dec	450	868
24-Mar	1800	186	22-Jun	17	5450	21-Sep	70	990	22-Dec	386	909
25-Mar	1200	215	23-Jun	16	5311	22-Sep	50	1298	23-Dec	325	1073
26-Mar	1100	235	24-Jun	19	4985	23-Sep	40	1816	24-Dec	296	1087
27-Mar	1000	466	25-Jun	15	5166	24-Sep	32	2269	25-Dec	291	1106
28-Mar	850	631	26-Jun	13	5235	25-Sep	30	2464	26-Dec	284	1121
29-Mar	830	640	27-Jun	12	5211	26-Sep	35	2312	27-Dec	281	1074
30-Mar	795	633	28-Jun	12	5233	27-Sep	32	2355	28-Dec	273	1065
31-Mar	760	675	29-Jun	13	4996	28-Sep	30	2526	29-Dec	307	1041
			30-Jun	13	4621	29-Sep	25	3247	30-Dec	328	958
						30-Sep	15	4272	31-Dec	328	955

WATER QUALITY DATA @ GERONIMO STATION



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 2019, 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 2019.

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 2019), 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 2019.

Location	Decreed Acres	Multiple use Acreage (lawns, trees, gardens, orchards & pastures) TBI	Yards Acres TBI	Garden Acres TBI	Orchard Acres TBI	Pasture Acres TBI	Commercial Acres TBI	TOTAL ACRES TBI
Duncan/Virden Valley	36.64	8.04	13.29	0.00	0.00	0.00	0.00	21.33
Safford Valley	418.34	207.31	2.40	1.09	12.84	25.47	1.90	251.01
Lower Valley SCIDD	19.20	4.11	0.00	0.00	0.00	1.00	0.00	5.11
TOTAL	474.18	219.46	15.69	1.09	12.84	26.47	1.90	277.45

The percent of Small Parcel TBI decreed lands irrigated in 2019 was 58.5 percent of the total Small Parcel decreed lands submitted to the Commissioner’s Office in 2019.

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 2019**

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. Section 4.1
3 also provides as follows:

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

8 Pursuant to the Commissioner's audit of lands under the Gila Decree, violations of
9 the TBI regulations in calendar year 2019 were determined and resolved as follows:

10 SEE ATTACHEMENT "A" FOR SUMMATION OF VIOLATIONS AND
11 RESOLUTIONS THEREOF:

12
13 Respectfully submitted this 4th day of November 2020

14
15 BY: 

16 PATRICIA A. DOYLE
17 GILA WATER COMMISSIONER
18
19
20
21
22
23
24
25

Attachment "A"

Pursuant to the Gila Water Commissioner's TBI audit procedure, the following is a summary of the results of the audit and investigation by the Gila Water Commissioner's Office of the apparent violations and the findings and action taken by the Commissioner for 2019:

Franklin Valley Irrigation District (FID):

2019 Decreed acreage reported:	6,723.06
2019 TBI acreage reported:	4,115.14
TBI acreage audited:	735.62
Percentage of TBI acreage audited for 2019:	17.88%
Crop Audit conducted twice annually	100%

2019 Pivots:

19S 21W 12 (NWSW, SWSW, SESW, NESW)	Affidavit Letter, No Violation
19S 20W 7 (SWSW)	Affidavit Letter, No Violation
19S 21W 13 (NENE)	Affidavit Letter, No Violation
19S 21W 4 (SENE, SENW, SWNW)	Affidavit Letter, No Violation

Audit resulted in 0.00 acres in possible violation.

Gila Valley Irrigation District (GVID):

2019 Decreed acreage reported:	31,344.58
2019 TBI acreage reported:	21,949.39
TBI acreage audited:	2,526.60
Percentage of TBI acreage audited for 2019:	11.51%
Crop Audit conducted twice annually	100%

The Commissioner's investigation resulted in:

TWP:7, RNG:26, SEC:13 acres in possible violation 186.60. Owner/Farmer provided letter of clarification. Due to extreme heat temperatures of 2019, hemp crop was non-viable. Violation resolved.

TWP:4, RNG:23, SEC:20 acres in possible violation 37. Canal boss provided letter of clarification that land had been planted between January 1, 2019 and December, 31, 2019. Violation resolved.

Acres in violation after Commissioner's resolution: 0.00

Audit resulted in 0.00 acres in possible violation.

San Carlos Irrigation & Drainage District (SCIDD):

2019 Decreed acreage reported:	50,000.00
2019 TBI Acreage reported:	10,133.99
TBI acreage audited:	1,054.07
Percentage of TBI acreage audited for 2019:	10.40%

Audit resulted in 0.00 acres in possible violation.

Gila River Indian community (GRIC):

2019 Decreed acreage reported:	50,546.00
2019 TBI acreage reported:	17,188.19
TBI acreage audited:	5,617.39
Percentage of TBI acreage audited for 2019:	32.68%

Audit resulted in 0.00 acres in possible violation.

San Carlos Apache Tribe (SCAR):

2019 Decreed acreage reported:	1,000.00
2019 TBI acreage reported:	0
TBI acreage audited:	0
Percentage of TBI acreage audited for 2019:	100%

The Commissioner's investigation resulted in:

Anderson Flat, FSN:162, T:293, FIELD: 1050, 1049, 1048, 1047 acres in possible violation 71.0. Farm management provided acceptable clarification. Violation resolved.

Audit resulted in 0.00 acres in possible violation.

Alissa Macias

Alissa Macias
Water Specialist II

7/2/20
Date

Patricia A. Doyle

Patricia A. Doyle
Water Commissioner

11/4/2020
Date

2019

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-SRB which can be found at <http://www.azd.uscourts.gov/>

<u>Date of Order</u>	<u>Order</u>
2/12/2019	Order Granting GRIC FMI March 4, 2019 Joint Motion for Abandonment
3/26/2019	Order of Abandonment Pop Land
4/10/2019	Order of Abandonment Hancock
4/10/2019	Order of Abandonment Merrel
4/18/2019	Order of Abandonment Robby Family
4/22/2019	Order of Abandonment Howard
4/29/2019	Order of Abandonment Daley
5/29/2019	Order of Abandonment Daley
5/29/2019	Order of Abandonment Welker
6/7/2019	Order Status Report Daley
6/17/2019	Order of Abandonment Lamb
6/25/2019	Order of Replacement Case Management
7/2/2019	Order of Abandonment Pop Lands Amended
7/2/2019	Order of Abandonment Merrel Lands Amended
7/2/2019	Order of Amendment for Howards
7/19/2019	Order of Daley Amended Case Management
8/13/2019	Order of Abandonment Lamb
8/23/2019	Order of Abandonment Welker
9/3/2019	Order of Abandonment 1468.15 Acres
9/12/2019	Order Granting Stipulation to Extend Time Taylor

2019

SIGNIFICANT COURT ORDERS

Date of Order

Order

9/12/2019	Order UV Agreement Against Taylor
10/28/2019	Order Extending Tyler Dead Line
11/4/2019	Order Extending Tyler Dead Line
11/19/2019	Order Setting Good Faith Settlement
11/20/2019	Order Tyler Wells Apache Grove and Fines
12/5/2019	Order of Management Daley
12/5/2019	Order of Management Howard

2019
FINANCIAL STATEMENT
WATER COMMISSIONER'S ACCOUNT
RECEIPTS

<u>Plaintiffs</u>	General	Settlement	Totals	
San Carlos Irrigation Project	\$522,703.36	\$87,797.83	\$610,501.19	
San Carlos Agency	\$5,120.00		\$5,120.00	
Gila Crossing	\$15,321.60	\$2,573.55	\$17,895.15	
	<u>\$ 543,144.96</u>	<u>\$ 90,371.38</u>	<u>\$ 633,516.34</u>	\$633,516.34
<u>Defendants</u>				
Gila Valley Irrigation District	\$161,330.84	\$27,098.54	\$188,429.38	
Franklin Irrigation District	\$19,887.62	\$3,340.50	\$23,228.12	
Sunset Ditch Company	\$12,512.77	\$2,101.75	\$14,614.52	
Model Canal Company	\$2,130.94	\$357.93	\$2,488.87	
ASARCO	\$20,023.65		\$20,023.65	
Town of Kearny	\$520.86		\$520.86	
York Valley & Winkelman Valley	\$1,283.12		\$1,283.12	
	<u>\$217,689.80</u>	<u>\$32,898.72</u>	<u>\$250,588.52</u>	\$250,588.52
Miscellaneous Receipts	\$3.87		\$3.87	
Interest Income	\$1,011.07		\$1,011.07	
Supplemental Reports	\$3,283.87		\$3,283.87	
Esri Refund	\$4,364.00		\$4,364.00	
	<u>\$8,662.81</u>		<u>\$8,662.81</u>	\$8,662.81
		<u>Total Receipts</u>		<u>\$892,767.67</u>

DISBURSEMENTS

<u>Personnel</u>	General	Settlement	Totals	
Patricia A. Doyle	\$95,328.00	\$8,000.00	\$103,328.00	
Paul Curtis	\$72,080.00	\$12,000.00	\$84,080.00	
Casey Windsor	\$57,957.00	\$10,000.00	\$67,957.00	
Alissa Macias	\$51,167.00	\$7,000.00	\$58,167.00	\$313,532.00
<u>Employer taxes and contributions</u>				
Federal Unemployment Tax	\$1,680.00		\$1,680.00	
Medicare	\$4,642.16		\$4,642.16	
Social Security	\$19,849.28		\$19,849.28	\$26,171.44
<u>Overtime Weekend</u>				
Casey Windsor	\$3,585.98		\$3,585.98	
Alissa Macias	\$3,031.69		\$3,031.69	
	<u>6,617.67</u>		<u>\$6,617.67</u>	\$6,617.67
<u>Employee Benefit Plan</u>				
Retirement	\$18,811.92		\$18,811.92	
Medical Insurance	\$68,599.20		\$68,599.20	
Copper Point Workman's comp	\$9,270.27		\$9,270.27	
Yearly Pension Plan Administration	1,558.13		\$1,558.13	
Charles Whetstine	544.50		\$544.50	
	<u>\$98,784.02</u>		<u>\$98,784.02</u>	\$98,784.02
<u>Travel plus Allowance</u>				
Patricia A. Doyle	\$3,171.80	\$222.04	\$3,393.84	
Paul Curtis	\$513.46	\$41.76	\$555.22	
Casey Windsor	\$2,585.43	\$106.14	\$2,691.57	
Alissa Macias	\$652.71	\$75.40	\$728.11	
	<u>\$6,923.40</u>	<u>\$445.34</u>	<u>\$7,368.74</u>	\$7,368.74
<u>Attorney Fees</u>				
Brent F. Moody	\$256,345.50	\$544.50	\$256,890.00	\$256,890.00
<u>Geronimo Station expenses</u>				
	\$1,958.71		\$1,958.71	
Joint Funding (Stream flow records)	\$95,625.00		\$95,625.00	
Univeristy of Arizona		\$2,600.00	\$2,600.00	\$100,183.71
<u>Capital Purchases</u>				
Computer and Software	\$92.72		\$92.72	
Database	\$5,096.11	\$5,364.00	\$10,460.11	
	<u>\$5,188.83</u>	<u>\$5,364.00</u>	<u>\$10,552.83</u>	\$10,552.83
<u>Expenses</u>				
Communications	\$1,200.00		\$1,200.00	
Insurance & Bonds	\$8,399.94		\$8,399.94	
Office Expenses	\$14,634.98		\$14,634.98	
Field Expenses	\$304.42		\$304.42	
Rent and Utilities	\$16,119.28		\$16,119.28	
Contingency Fund	\$0.00		\$0.00	
	<u>\$40,658.62</u>		<u>\$40,658.62</u>	\$40,658.62

<u>Total Disbursements</u>	\$860,759.03
<u>Total Receipts</u>	\$892,767.67
<u>Total Remaining</u>	\$32,008.64

Land Use Audits 2019

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 2019:

Franklin Valley Irrigation District (FID):

2019 Decreed acreage reported:	6,723.06
2019 TBI acreage reported:	4,115.14
TBI acreage audited:	735.62
Percentage of TBI acreage audited for 2019:	17.88%
Crop Audit conducted twice annually	100%

2019 Pivots:

19S 21W 12 (NWSW, SWSW, SESW, NESW)	Affidavit Letter, No Violation
19S 20W 7 (SWSW)	Affidavit Letter, No Violation
19S 21W 13 (NENE)	Affidavit Letter, No Violation
19S 21W 4 (SENE, SENW, SWNW)	Affidavit Letter, No Violation

Audit resulted in 0.00 acres in possible violation.

Gila Valley Irrigation District (GVID):

2019 Decreed acreage reported:	31,344.58
2019 TBI acreage reported:	21,949.39
TBI acreage audited:	2,526.60
Percentage of TBI acreage audited for 2019:	11.51%
Crop Audit conducted twice annually	100%

The Commissioner's investigation resulted in:

TWP:7, RNG:26, SEC:13 acres in possible violation 186.60. Owner/Farmer provided letter of clarification. Due to extreme heat temperatures of 2019, hemp crop was non-viable. Violation resolved.

TWP:4, RNG:23, SEC:20 acres in possible violation 37. Canal boss provided letter of clarification that land had been planted between January 1, 2019 and December, 31, 2019. Violation resolved.

Acres in violation after Commissioner's resolution: 0.00

Audit resulted in 0.00 acres in possible violation.

San Carlos Irrigation & Drainage District (SCIDD):

2019 Deceaded acreage reported:	50,000.00
2019 TBI Acreage reported:	10,133.99
TBI acreage audited:	1,054.07
Percentage of TBI acreage audited for 2019:	10.40%

Audit resulted in 0.00 acres in possible violation.

Gila River Indian community (GRIC):

2019 Deceaded acreage reported:	50,546.00
2019 TBI acreage reported:	17,188.19
TBI acreage audited:	5,617.39
Percentage of TBI acreage audited for 2019:	32.68%

Audit resulted in 0.00 acres in possible violation.

San Carlos Apache Tribe (SCAR):

2019 Deceaded acreage reported:	1,000.00
2019 TBI acreage reported:	0
TBI acreage audited:	0
Percentage of TBI acreage audited for 2019:	100%

The Commissioner's investigation resulted in:

Anderson Flat, FSN:162, T:293, FIELD: 1050, 1049, 1048, 1047 acres in possible violation 71.0. Farm management provided acceptable clarification. Violation resolved.

Audit resulted in 0.00 acres in possible violation.

Alissa Macias

Alissa Macias
Water Specialist II

7/2/20
Date

Patricia A. Doyle

Patricia A. Doyle
Water Commissioner

11/4/2020
Date

CALENDAR YEAR 2019

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	1,966.21	4,818	2.45
New Model Valley	2,576.31	1,502.53	1,946	1.30
Colmenero	1,386.85	646.40	1,145	1.77
Sexton	441.00	0.00	0	0.00
R. Sexton	137.90	0.00	0	0.00
York	144.10	0.00	0	0.00
Albert	315.10	0.00	0	0.00
F E Ross	8.80	0.00	0	0.00
R K Davis	11.60	0.00	0	0.00
J H Brown	26.30	0.00	0	0.00
York Cattle	25.60	0.00	0	0.00
Laura Short	49.80	0.00	0	0.00
	36.50	0.00	0	0.00
Totals	7,919.76	4,115.14	7,909	1.92

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

SAFFORD VALLEY DIVERSIONS

Consolidated Brown	1,311.28	813.54	2,209	2.72
Fourness	210.70	161.40	17	0.11
San Jose	4,119.58	3,236.64	7,702	2.38
Montezuma	4,715.78	3,260.47	7,469	2.29
Union	7,191.72	4,808.09	8,991	1.87
Graham	4,102.49	3,445.15	4,819	1.40
Smithville	2,383.00	1,978.44	2,620	1.32
Dodge-Nevada	2,516.54	2,007.60	2,610	1.30
Curtis	1,971.70	1,595.34	5,431	3.40
Fort Thomas	2,615.89	1,253.61	2,876	2.29
Colvin-Jones	205.90	0.00	0	0.00
Totals	31,344.58	22,560.28	44,744	1.98

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	71.00	0	0.00
Non-designated lands	688.60	0.00	0	0.00
Totals	1,000.00	71.00	0	#DIV/0!

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

WINKELMAN VALLEY

Industrial/Municipal (ASARCO) ^[1]	793.00	793.00	8,479	
Domestic/Municipal (Kearny, Arizona)	101.73	101.73	212	2.08
Farmlands	244.16	0.00	0	
J J Anderson	196.27	0.00	0	
Totals	1,335.16	894.73	8,691	2.08

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	17,188.19	Nat. flow	10,455	0.21	0.61
Federal Agencies	546.00	0.00	Stored	40,728	0.80	2.37
	50,546.00	17,188.19		51,183	1.01	2.98
White Lands:						
San Carlos Irrigation & Drainage Dist.	50,000.00	9,605.99	Nat. flow	14,222	0.28	1.48
			Stored	61,857	1.24	6.44
	50,000.00	9,605.99		76,079	1.52	7.92
Natural Flow Lands	1,544.50	528.00		137	0.09	0.26
	51,544.50	10,133.99		76,216	1.48	7.52
Totals	102,090.50	27,322.18		127,399	1.25	4.66
	102,090.50	27,322.18	Nat. flow	24,814	0.24	0.91
	100,546.00	27,322.18	Stored	102,585	1.00	3.75

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

Diversions from Picacho Reservoir are reflected above.

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

1936-2019

GILA RIVER FLOWS & DIVERSIONS, GILA RIVER SYSTEM

Quantities to closest thousand acre-feet

Year	Gila Blue	Duncan Valley Divs.	Gila Clifton	San Fran. Clifton	Gila Solomon + Brown	San Simon	Safford Valley Divs.	Gain Safford Valley	SCAR Divs.	Gila Calva	San Carlos Peridot	Maximum Stored Water	Gila Below Coolidge Dam	Gila Winke-lman	ASARCO Divs.	J. J. And. Divs.	Town of Kearny Divs.	Gila Kelvin	A-H Divs.	Spilled Sluiced	A-H Total	Loss Kelvin to A-H	Sacaton Divs.
1936	90	39	76	98	*217	14	132	51		150	45	193	237	#				306	244	#	#	4.6	
1937	206	40	180	181	*418	3	161	60		321	46	269	298	#				375	302	24	327	(48)	2.5
1938	87	23	78	71	*164	5	98	22		94	15	90	152	#				193	156	9	166	(27)	1.5
1939	94	34	87	70	*172	6	79	16		115	19	30	123	#				176	134	22	156	(20)	1.3
1940	146	40	131	134	*303	11	100	7		220	52	113	143	#				268	155	49	204	(64)	2.5
1941	435	34	407	382	918	13	151	120		900	172	775	240	#				458	295	125	420	(38)	1.4
1942	111	38	99	101	222	8	172	83		141	21	819	373	374				396	372	12	384	(12)	0.2
1943	71	32	69	57	151	15	122	49		93	29	563	357	360				418	357	34	391	(27)	0.7
1944	80	27	74	54	151	17	128	56		97	13	284	294	303				339	287	17	304	(35)	0.6
1945	109	28	101	90	220	11	149	36		118	16	124	193	196				241	200	19	219	(22)	0.8
1946	53	14	49	52	116	3	70	5		54	16	29	62	71				103	84	8	92	(11)	0.8
1947	45	10	#	41	100	4	52	-13		39	11	19	55	59				82	68	7	76	(6)	0.5
1948	86	9	#	69	148	5	40	-33		80	10	15	65	61				87	71	6	77	(10)	0.1
1949	303	25	269	255	569	15	168	-4		411	22	260	277	275				317	260	24	284	(48)	0.1
1950	49	13	40	34	87	6	69	5		30	6	94	123	123				156	116	11	127	(29)	0.1
1951	33	3	32	36	79	7	26	-18		42	17	8	41	53				76	47	10	56	(20)	0.1
1952	140	20	100	185	324	5	129	-11		189	73	164	228	237				270	226	18	244	(26)	0.4
1953	46	8	35	40	83	6	39	-12		39	8	18	45	44				69	53	2	56	(13)	0.1
1954	89	13	80	77	190	28	80	-16		122	43	74	103	127				222	121	97	217	(5)	1.0
1955	67	13	87	73	170	27	86	22		132	27	109	94	107				226	113	118	231	5	0.2
1956	24	8	18	26	49	1	43	0		7	12	78	79	79				89	73	2	76	(13)	0.0
1957	121	11	94	108	225	20	70	-37		138	11	82	74	81				95	78	4	82	(13)	0.1
1958	205	19	184	260	473	17	147	-42		302	52	228	243	252				315	264	25	289	(26)	0.0
1959	74	11	66	92	179	10	80	-7		102	31	112	135	149				207	154	31	184	(23)	0.0
1960	138	15	110	143	285	2	111	-13		163	33	223	252	259				290	241	26	267	(23)	0.0
1961	73	8	56	98	159	20	36	-34		110	21	70	41	60				88	61	8	69	(19)	0.0
1962	211	21	173	208	410	4	135	-37		242	22	169	228	237				253	220	7	227	(26)	0.0
1963	130	20	108	138	273	3	101	-8		167	31	132	167	178				226	186	19	205	(21)	0.0
1964	69	12	54	69	142	10	70	-4		78	11	66	91	97				157	120	19	139	(18)	0.0
1965	161	18	137	222	395	8	93	-51		260	110	253	117	134				240	137	163	300	60	0.0
1966	209	23	191	205	433	4	133	66		371	21	504	251	283				348	298	29	326	(22)	0.0
1967	115	16	107	158	259	12	90	10		190	38	324	249	273				380	260	88	348	(32)	0.0
1968	314	26	277	309	656	4	152	23		531	38	679	282	294				345	316	15	331	(14)	0.0
1969	62	15	50	65	122	3	89	20		56	15	487	315	312				341	306	2	308	(33)	0.0
1970	53	15	44	57	110	3	96	13		30	14	199	222	231				261	224	9	234	(27)	0.0
1971	89	5	74	97	181	10	39	-21		131	35	120	38	53				97	70	3	73	(24)	0.0
1972	255	12	218	254	506	14	67	8		462*	43	379	172	180				219	176	118	294	75	0.0
1973	314	20	292	339	671	1	125	27		575*	63	843	298	312				373	324	30	355	(18)	0.0
1974	59	13	56	49	115	5	80	8		48*	11	616	361	354				397	351	11	362	(35)	0.0
1975	220	16	171	151	342	5	109	-28		209	18	273	342	361				353	328	11	339	(14)	0.0
1976	88	18	64	67	147	3	94	0.2		56	9	119	195	192				195	181	6	187	(8)	0.0
1977	66	9	49	52	132	6	31	-43		63	14	21	50	59				99	61	34	95	(4)	0.0
1978	330	13	298	352	848	4	75	-124		653	165	545	217	293				425	262	144	406	(19)	0.0
1979	287	16	293	337	750	2	106	19		665	82	1070	407	503				641	422	77*	499*	(143*)	0.0
1980	135	23	116	211	445	1	122	10		334	129	1090	526	503				670	477	134*	611*	(59*)	0.0
1981	62	18	65	58	150	8	110	16		63	14	666	471					523	456	15	471	(52)	0.0
1982	131	24	108	104	270	≥	118	^		158	59	278	280					316	289	12	302	(14)	0.0
1983	374	22	353	601	1149		127	^		1164	154	968	459					748	273	546	819	71	0.0
1984	198	24	192	224	460		135	^		416	77	921	397					562	398	164	562	0.03	0.0
1985	370	21	334	294	740		134	^		728	51	975	779	805				879	458	382	840	(39)	0.0
1986	186	24	155	136	324		149	^		288	62	905	395	422				464	412	30	442	(22)	0.0
1987	121	26	113	174	334		138	^		263	32	792	439	446				465	427	1	428	(37)	0.0
1988	257	23	220	190	445		138	^		391	30	567	431	440				464	420	8	429	(35)	0.0
1989	68	18	ι	62	120		94	^		43	14	458	395	384				423	379	3	383	(40)	0.0
1990	78	10		82	170		69	^		58	58	81	44	52				95	56	18	74	(21)	0.0
1991	340	20		291	681		126	^		749	87	511	276	304				663	297	48	345	(18)	0.0
1992	377	20		330	801		124	^		1027	88	740	550	619				646	401	205	606	(40)	0.0
1993	518	22		572	1558		119	^		1695	296	1060	1662	2203				2374	391	1925	2316	(58)	0.0
1994	230	23		157	345		108	^		357	28	541	377	£				489	401	12	413	(76)	0.0
1995	262	22		206	506		109	^		566	106	879	427		13	0.5	0.4	620	423	120	543	(77)	0.0
1996	117	16		77	194		95	^	0.2	109	14	522	439		14	0.5	0.4	465	426	5	431	(34)	0.0
1997	210	22	192	103	316		213	^	0.2	210	21	211	268		12	0.5	0.4	286	258	1	256	(30)	0.0
1998	184	24	187	153	340		126	^	0.1	276	38	271	297		11	0.3	0.4	345	312	9	321	(24)	0.0
1999	91	23	90	105	205		105	^	0.6	128	12	85	106		12	0.5	0.4	125	107	1	108	(17)	0.0
2000	112	9	103	165	347		49	^	0.9	274	17	239	75		11	0.3	0.4	111	83	26	109	(2)	0.0
2001	94	22	69	95	182		114	^	0.8	100	8	269	249		13	0.0	0.4	256	241	1	243	(13)	0.0
2002	60	14	47	51	101		61	^	0.8	42	4	72	53		13	0.0	0.4	51	43	0.3	43	(8)	0.0
2003	52	8	45	60	121		44	^	0.9	51	24	43	58		12	0.0	0.4	67	57	1	58	(9)	0.0
2004	125	9	104	74	173		42	^	0.5	111	8	34	94		11	0.0	0.3	87	78	2	80	(7)	0.0
2005	353	17	327	267	621		110	^	0.6	523	74	442											

**SAN CARLOS APACHE TRIBE FARM REPORT
2019**

Anderson Flat

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

Month	Field No	Crop	Date Planted	Acres Planted (TBI)	Dates Irrigated (From-To)	Gila River Diversions (ac-ft)	Average Water Quality (uS/cm)	Tribal Wells (ac-ft)	Water Quality (uS/cm)	Combined River & Wells	Comments or Unusual Problems
Jan	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Feb	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Mar	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Apr	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
May	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
June	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
July	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Aug	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Sept	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Oct	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Nov	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							
Dec	1047	None		0.00							No Farm Reports Received for 2019
	1048	None		0.00							
	1049	None		0.00							
	1050	None		0.00							

SAN CARLOS APACHE TRIBE FARM REPORT
2019

Navajo Point

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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 2019
	1043	None		0.00							
	1044	None		0.00							
	1045	None		0.00							
Feb	1046	None		0.00							No Farm Reports Received for 2019
	1041	None		0.00							
	1043	None		0.00							
	1044	None		0.00							
Mar	1045	None		0.00							No Farm Reports Received for 2019
	1046	None		0.00							
	1041	None		0.00							
	1043	None		0.00							
April	1044	None		0.00							No Farm Reports Received for 2019
	1045	None		0.00							
	1046	None		0.00							
	1041	None		0.00							
May	1043	None		0.00							No Farm Reports Received for 2019
	1044	None		0.00							
	1045	None		0.00							
	1046	None		0.00							
June	1041	None		0.00							No Farm Reports Received for 2019
	1043	None		0.00							
	1044	None		0.00							
	1045	None		0.00							
July	1046	None		0.00							No Farm Reports Received for 2019
	1041	None		0.00							
	1043	None		0.00							
	1044	None		0.00							
August	1045	None		0.00							No Farm Reports Received for 2019
	1046	None		0.00							
	1041	None		0.00							
	1043	None		0.00							
September	1044	None		0.00							No Farm Reports Received for 2019
	1045	None		0.00							
	1046	None		0.00							
	1041	None		0.00							
October	1043	None		0.00							No Farm Reports Received for 2019
	1044	None		0.00							
	1045	None		0.00							
	1046	None		0.00							
November	1041	None		0.00							No Farm Reports Received for 2019
	1043	None		0.00							
	1044	None		0.00							
	1045	None		0.00							
December	1046	None		0.00							No Farm Reports Received for 2019
	1041	None		0.00							
	1043	None		0.00							
	1044	None		0.00							

**SAN CARLOS APACHE TRIBE FARM REPORT
2019**

Black Point

This annual farm report by the GWC is pursuant to the Courts Water Quality Injunction filed on June 3, 1998.
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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 2019
	1021W	None		0.00							
	1022E	None		0.00							
Feb	1022W	None		0.00							No Farm Reports Received for 2019
	1021E	None		0.00							
	1021W	None		0.00							
Mar	1022E	None		0.00							No Farm Reports Received for 2019
	1022W	None		0.00							
	1021E	None		0.00							
Apr	1021W	None		0.00							No Farm Reports Received for 2019
	1022E	None		0.00							
	1022W	None		0.00							
May	1021E	None		0.00							No Farm Reports Received for 2019
	1021W	None		0.00							
	1022E	None		0.00							
June	1022W	None		0.00							No Farm Reports Received for 2019
	1021E	None		0.00							
	1021W	None		0.00							
July	1022E	None		0.00							No Farm Reports Received for 2019
	1022W	None		0.00							
	1021E	None		0.00							
Aug	1021W	None		0.00							No Farm Reports Received for 2019
	1022E	None		0.00							
	1022W	None		0.00							
Sept	1021E	None		0.00							No Farm Reports Received for 2019
	1021W	None		0.00							
	1022E	None		0.00							
Oct	1022W	None		0.00							No Farm Reports Received for 2019
	1021E	None		0.00							
	1021W	None		0.00							
Nov	1022E	None		0.00							No Farm Reports Received for 2019
	1022W	None		0.00							
	1021E	None		0.00							
Dec	1021W	None		0.00							No Farm Reports Received for 2019
	1022E	None		0.00							
	1022W	None		0.00							

2019

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				10.4	10.4		3.5	3.5		44.8	44.8		38.2	38.2		25.7		25.7
2				8.7	8.7		3.5	3.5		45.0	45.0		36.9	36.9		27.0		27.0
3				7.4	7.4		3.5	3.5		44.6	44.6		36.9	36.9		26.6		26.6
4				1.9	1.9		14.0	14.0		44.0	44.0		35.5	35.5		27.9		27.9
5							20.6	20.6		43.8	43.8		35.8	35.8		23.9		23.9
6							20.4	20.4		44.6	44.6		32.5	29.6	2.9	19.7		19.7
7							23.5	23.5		45.3	45.3		26.5	17.8	8.7	17.1		17.1
8				1.3	1.3		25.1	25.1		45.0	45.0		26.2	4.4	21.8	14.3		14.3
9				4.6	4.6		25.5	25.5		43.8	43.8		25.9	9.2	16.7	12.0		12.0
10				7.5	7.5		25.5	25.5		43.6	43.6		27.6	9.2	18.4	13.8		13.8
11				6.4	6.4		24.9	24.9		40.0	40.0		26.3	4.4	21.9	13.4		13.4
12				4.8	4.8		14.6	14.6		37.0	37.0		23.6	4.4	19.2	12.4		12.4
13				3.3	3.3		6.9	6.9		29.9	29.9		26.0			12.2		12.2
14				3.3	3.3		22.5	22.5		29.2	29.2		35.8		35.8	11.3		11.3
15				4.4	4.4		19.8	19.8		29.6	26.8	2.8	39.1		39.1	9.1		9.1
16				4.9	4.9		19.8	19.8		30.4	27.5	2.9	39.8		39.8	7.3		7.3
17				4.7	4.7		20.3	20.3		30.9	30.9		35.4		35.4	6.4		6.4
18				4.7	4.7		22.6	22.6		30.5	30.5		34.9		34.9	6.0		6.0
19				4.3	4.3		25.8	25.8		30.6	30.6		32.9		32.9	5.1		5.1
20				4.6	4.6		32.4	32.4		30.3	27.4	2.9	33.7		33.7	2.6		2.6
21				4.1	4.1		37.3	37.3		30.4	30.4		33.6		33.6	1.8		1.8
22				3.5	3.5		41.2	41.2		30.1	30.1		32.6		32.6	1.1		1.1
23				3.5	3.5		41.6	41.6		30.1	30.1		31.6		31.6	0.7		0.7
24				3.5	3.5		41.6	41.6		36.9	36.9		33.8		33.8	0.3		0.3
25	4.5	4.5		3.5	3.5		40.5	40.5		40.6	40.6		35.5		35.5			
26	4.5	4.5		3.5	3.5		40.4	40.4		40.3	40.3		34.2		34.2			
27	4.5	4.5		3.5	3.5		40.3	40.3		39.5	39.5		35.9		35.9			
28	8.5	8.5		3.5	3.5		40.8	40.8		39.2	39.2		24.0		24.0			
29	8.4	8.4					41.5	41.5		40.0	40.0		17.0		17.0			
30	10.3	10.3					42.2	42.2		39.6	39.6		16.1	4.4	11.7			
31	11.3	11.3					41.7	41.7					20.1		20.1			
Total	52.0	52.0		115.8	115.8		823.8	823.8		1129.6	1121.0	8.6	963.9	292.7	671.2	297.7		297.7
Acre-feet		103			230			1,634			2,241			1,912			590	
Priority Diverted		103			229			1,634			2,224			580				
Apport Diverted											17			1,331			591	
Appor diverted to date											17			1,348			1,939	
TBI Acreage		2,995.43			3,849.58			3,849.58			3,916.74			3,919.74			3,985.74	
Apportioned		1,618			2,079			2,079			18,330			18,344			18,653	
Duty		0.03			0.06			0.42			0.57			0.49			0.15	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	
1										10.4	5.8	4.6	5.9	5.9					
2										12.4	5.8	6.6	5.9	5.9					
3										12.0	12.0								
4										12.0	12.0								
5				20.0		20.0				12.0	7.0	5.0							
6				16.3		16.3				11.5	5.8	5.7	3.9	3.9					
7				16.4		16.4				9.6	6.0	3.6	6.2	6.2					
8				15.3		15.3				8.4	8.0	0.4	5.1	5.1					
9				15.3		15.3				10.2	9.4	0.8	5.1	5.1					
10				15.3		15.3				10.2	4.5	5.7	5.6	5.6					
11				16.2		16.2				8.0	8.0		5.9	5.9					
12				16.2		16.2				5.8	4.5	1.3	5.4	5.4					
13				8.2		8.2	4.1		4.1	5.8	5.8		5.3	5.3					
14				4.1		4.1	4.1		4.1	5.8	5.8		5.5	5.5					
15				2.0		2.0	6.4		6.4	5.8	5.8		5.5	5.5					
16				0.5		0.5	6.4	6.4		5.8		5.8	5.4	5.4					
17							6.3		6.3	5.8	4.5	1.3	4.9	4.9					
18							7.9	7.9		5.8	4.5	1.3	4.7	4.7					
19							7.3		7.3	5.8		5.8	3.2	3.2					
20							7.6		7.6	5.8		5.8							
21							7.6		7.6	5.8		5.8							
22							7.6		7.6	5.8		5.8							
23							13.5	8.1	5.4	5.8		5.8							
24							13.8	13.8		5.8		5.8							
25							13.8	13.8		5.8	5.8								
26							12.7	12.7		5.8		5.8							
27							5.8	5.8		5.8	5.8								
28							6.6	6.6		5.8	5.8								
29							6.6	6.6		5.8	5.8								
30							5.8	5.8		5.8	5.8								
31							5.8	5.8		5.8	5.8								
Total				145.8		145.8	143.9	87.5	56.4	232.7	150.0	82.7	83.5	83.5					
Acre-feet						289		285			462			166					7,909
Priority Diverted								173			297			165					5,405
Apport Diverted								112			164								2,504
Appor diverted to date								2,340			2,504			2,504					2,504
TBI Acreage		4,033.44			4,033.44			4,033.44			4,115.14			4,115.14					4,115.14
Apportioned		18,876			18,876			18,876			19,259			19,259					19,259
Duty						0.07		0.07			0.11			0.04					1.92

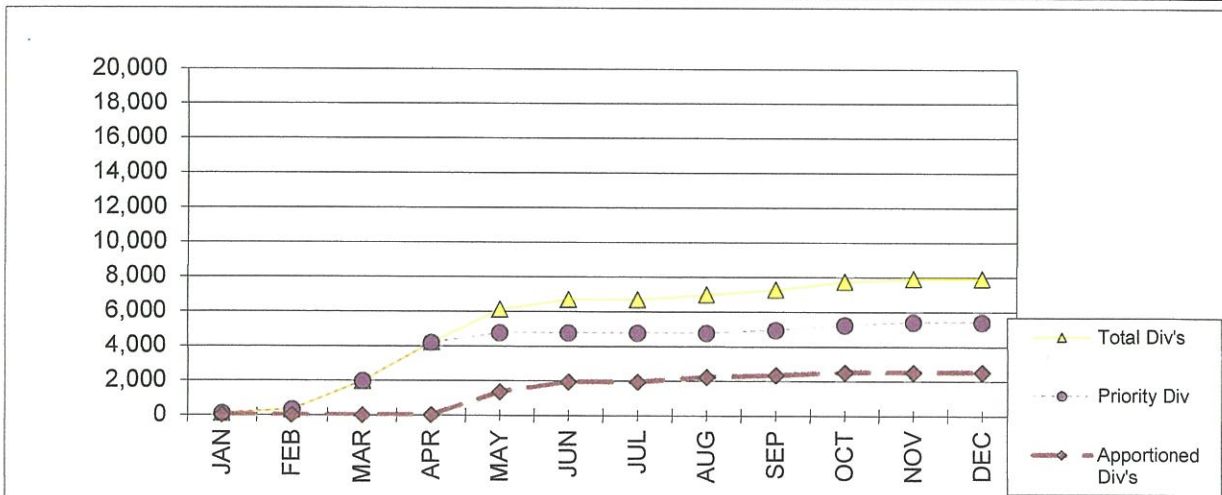
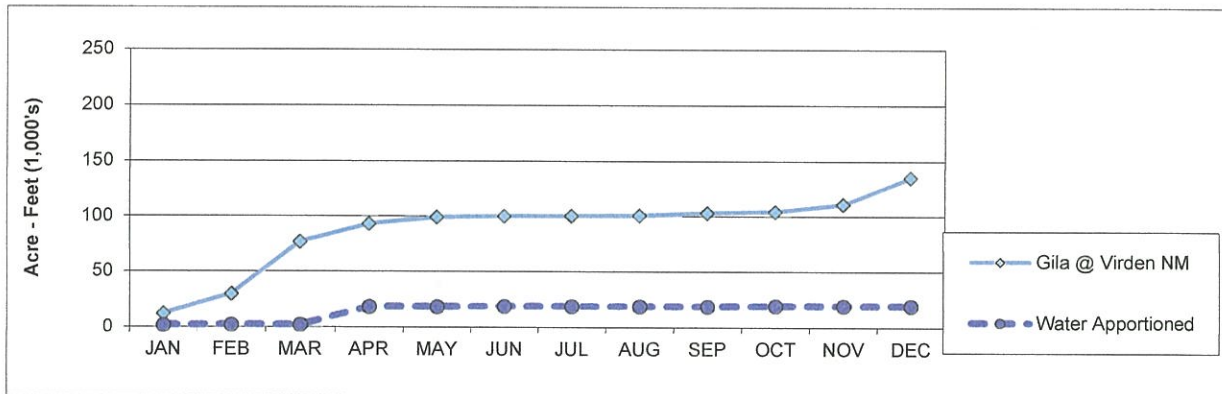
2019

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	11,990	11,990	103	103	0	1,618
FEB	17,879	29,869	332	332	0	2,079
MAR	47,219	77,088	1,966	1,966	0	2,079
APR	16,146	93,234	4,207	4,190	17	18,330
MAY	5,925	99,159	6,118	4,770	1,348	18,344
JUN	1,009	100,168	6,709	4,770	1,939	18,653
JUL	141	100,309	6,709	4,770	1,939	18,876
AUG	624	100,933	6,998	4,770	2,228	18,876
SEP	2,146	103,079	7,283	4,943	2,340	18,876
OCT	1,321	104,400	7,744	5,240	2,504	19,259
NOV	6,379	110,779	7,909	5,405	2,504	19,259
DEC	24,024	134,803	7,909	5,405	2,504	19,259

Graph:	Gila near Virden, NM	Total Diversions	Priority Div's	Apportn'd Div's	Apportionments
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2019

SUNSET CANAL: 2,759.90 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1										23.6	23.6		23.3	23.3		13.1		13.1
2										23.6	23.6		23.3	23.3		14.0		14.0
3										23.4	23.4		23.3	23.3		14.3		14.3
4							5.8	5.8		23.2	23.2		23.3	23.3		14.3		14.3
5							10.0	10.0		23.5	23.5		23.3	20.4	2.9	14.1		14.1
6							10.0	10.0		23.8	23.8		23.3	14.6	8.7	13.6		13.6
7							13.1	13.1		23.7	23.7		23.4	4.4	19.0	13.8		13.8
8							14.7	14.7		23.5	23.5		23.5	9.2	14.3	12.3		12.3
9							15.0	15.0		22.7	22.7		23.8	9.2	14.6	12.0		12.0
10							14.9	14.9		23.8	23.8		23.9	4.4	19.5	13.8		13.8
11							14.6	14.6		23.8	23.8		23.6	4.4	19.2	13.4		13.4
12							7.5	7.5		23.6	23.6		23.5	23.5		12.2		12.2
13										23.3	23.3				23.2	12.2		12.2
14							19.9	19.9		22.8	22.8		23.3		23.3	11.3		11.3
15							19.8	19.8		23.2	20.4	2.8	23.4		23.4	9.1		9.1
16							19.8	19.8		23.3	20.4	2.9	18.2		18.2	7.3		7.3
17							19.8	19.8		23.6	23.6		18.2		18.2	6.4		6.4
18							19.8	19.8		23.6	23.6		16.0		16.0	6.0		6.0
19							20.0	20.0		23.5	23.5		16.0		16.0	5.1		5.1
20							22.3	22.3		23.3	20.4	2.9	16.0		16.0	2.6		2.6
21							23.3	23.3		23.4	23.4		16.0		16.0	1.8		1.8
22							23.2	23.2		23.5	23.5		16.0		16.0	1.1		1.1
23							23.7	23.7		23.6	23.6		16.1		16.1	0.7		0.7
24							23.4	23.4		23.6	23.6		16.0		16.0	0.3		0.3
25							23.3	23.3		23.4	23.4		16.0		16.0			
26							23.3	23.3		23.2	23.2		16.0		16.0			
27							23.5	23.5		23.5	23.5		13.3		13.3			
28							23.8	23.8		23.7	23.7		10.7		10.7			
29							23.6	23.6		23.7	23.7		10.7	4.4	6.3			
30							23.6	23.6		23.3	23.3		10.7		10.7			
31							23.5	23.5										
Total							505.2	505.2		703.7	695.1	8.6	600.9	211.3	389.6	224.8		224.8
Acre-feet								1,002			1,396			1,192			446	
Priority Diverted								1,002			1,379			419				
Apport Diverted											17			773			446	
Apport diverted to date											17			790			1,236	
TBI acreage		1,724.98			1,915.51			1,915.51			1,915.51			1,918.51			1,918.51	
Apportioned		931			1,034			1,034			8,965			8,979			8,979	
Duty								0.52			0.73			0.62			0.23	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1										5.8	5.8		5.9	5.9					
2										5.8	5.8		5.9	5.9					
3										5.8	5.8								
4										5.8	5.8								
5							16.2			5.8	5.8								
6							16.2			5.8	5.8								
7							16.2			5.8	5.8								
8							15.3			8.0	8.0								
9							15.3			10.2	9.4	0.8							
10							15.3			10.2	4.5	5.7							
11							16.2			8.0	8.0								
12							16.2			5.8	4.5	1.3							
13							8.2			5.8	5.8								
14							4.1			5.8	5.8								
15							2.0			5.8	5.8								
16							0.5			5.8		5.8							
17										5.8	4.5	1.3							
18										5.8	4.5	1.3							
19										5.8		5.8							
20										5.8		5.8							
21										5.8		5.8							
22										5.8		5.8							
23										5.8		5.8							
24										5.8		5.8							
25										5.8	5.8								
26										5.8		5.8							
27										5.8	5.8								
28										6.6	6.6								
29										6.6	6.6								
30										5.8	5.8								
31										5.8	5.8								
Total				141.7		141.7	48.0	48.0		193.0	136.2	56.8	11.8	11.8					
Acre-feet						281		95			383			23					4,818
Priority Diverted								95			270			23					3,188
Apport Diverted						281					113								1,630
Apport diverted to date						1,517		1,517			1,630			1,630					1,630
TBI acreage		1,966.21			1,966.21			1,966.21			1,966.21			1,966.21					1,966.21
Apportioned		9,202			9,202			9,202			9,202			9,202					9,202
Duty						0.14		0.05			0.19			0.01					2.45

Diversions on North side of Gila River in SW 1/4 NW 14, Sec. 21, T. 19S, R. 29W, NMPM. Water-stage recorder and 6 ft. Parshall flume located in SE 1/4 NW 14, Sec. 17, T. 19S, R. 29W.

2019

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				5.9	5.9		3.5	3.5		14.1	14.1		10.1	10.1		5.7		5.7
2				4.2	4.2		3.5	3.5		14.3	14.3		10.3	10.3		6.6		6.6
3				2.9	2.9		3.5	3.5		14.3	14.3		10.2	10.2		6.9		6.9
4							3.5	3.5		14.1	14.1		10.3	10.3		7.6		7.6
5							3.5	3.5		14.0	14.0		7.0	7.0		5.4		5.4
6							3.5	3.5		14.0	14.0					2.0		2.0
7							3.5	3.5		14.4	14.4					0.2		0.2
8							3.5	3.5		14.2	14.2							
9				2.8	2.8		3.5	3.5		13.8	13.8							
10				5.9	5.9		3.5	3.5		13.0	13.0							
11				4.6	4.6		3.5	3.5		9.5	9.5							
12				2.9	2.9		0.4	0.4		6.6	6.6					0.2		0.2
13				2.7	2.7								6.6		6.6			
14				3.3	3.3								10.2		10.2			
15				4.4	4.4								10.3		10.3			
16				4.9	4.9								10.5		10.5			
17				4.7	4.7		0.5	0.5					10.7		10.7			
18				4.7	4.7		2.8	2.8					10.7		10.7			
19				4.3	4.3		5.8	5.8					10.8		10.8			
20				4.6	4.6		5.8	5.8					10.9		10.9			
21				4.1	4.1		6.7	6.7					10.8		10.8			
22				3.5	3.5		10.9	10.9					10.7		10.7			
23				3.5	3.5		10.9	10.9					12.6		12.6			
24				3.5	3.5		10.9	10.9		6.7	6.7		14.2		14.2			
25				3.5	3.5		10.6	10.6		10.1	10.1		14.1		14.1			
26				3.5	3.5		10.6	10.6		10.2	10.2		13.9		13.9			
27				3.5	3.5		10.3	10.3		10.1	10.1		6.5		6.5			
28	3.9	3.9		3.5	3.5		10.2	10.2		10.1	10.1		2.1		2.1			
29	4.2	4.2					10.7	10.7		10.1	10.1		3.4		3.4			
30	5.8	5.8					11.6	11.6		10.1	10.1		4.1		4.1			
31	6.8	6.8					11.6	11.6										
Total	20.7	20.7		91.4	91.4		168.8	168.8		223.7	223.7		231.1	58.0	173.1	34.6		34.6
Acre-feet		41			181			335			444			458				69
Priority Diverted		41			181			335			444			115				
Apport Diverted														343				69
Apport diverted to date														343				412
TBI acreage	688.25			1,351.87			1,351.87			1,419.03			1,419.03					1,420.83
Apportioned	372			730			730			6,641			6,641					6,649
Duty	0.06			0.13			0.25			0.31			0.32					0.05

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1										4.6		4.6							
2										6.6		6.6							
3										6.2	6.2								
4										6.2	6.2								
5				3.8		3.8				6.2	1.2	5.0							
6				0.1		0.1				5.7		5.7	3.9		3.9				
7				0.2		0.2				3.8	0.2	3.6	6.2		6.2				
8										0.4		0.4	5.1		5.1				
9													5.1		5.1				
10													5.6		5.6				
11													5.9		5.9				
12													5.4		5.4				
13								4.1		4.1			5.3		5.3				
14								4.1		4.1			5.5		5.5				
15								6.4		6.4			5.5		5.5				
16								6.4	6.4				5.4		5.4				
17								6.3		6.3			4.9		4.9				
18								7.9	7.9				4.7		4.7				
19								7.3		7.3			3.2		3.2				
20								7.6		7.6									
21								7.6		7.6									
22								7.6		7.6									
23								7.7	2.3	5.4									
24								8.0		8.0									
25								8.0		8.0									
26								6.9	6.9										
27																			
28																			
29																			
30																			
31																			
Total				4.1		4.1	95.9	39.5	56.4	39.7	13.8	25.9	71.7	71.7					
Acre-feet					8			190			79			142					1,946
Priority Diverted								78			27			142					1,363
Apport Diverted					8			112			51								583
Apport diverted to date		412			420			532			583			583					583
TBI acreage	1,420.83			1,420.83			1,420.83			1,502.53			1,502.53						1,502.83
Apportioned	6,649			6,649			6,649			7,032			7,032						7,032
Duty				0.01			0.13			0.05			0.09						1.30

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.

2019

VALLEY CANAL: 1,387.20 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1				4.5	4.5					7.1	7.1		3.5	3.5		6.9		6.9
2				4.5	4.5					7.1	7.1		3.3	3.3		6.4		6.4
3				4.5	4.5					6.9	6.9		2.0	2.0		5.4		5.4
4				1.9	1.9		4.7	4.7		6.7	6.7		2.2	2.2		6.0		6.0
5							7.1	7.1		6.3	6.3		2.2	2.2		4.4		4.4
6							6.9	6.9		6.8	6.8		3.2	3.2		4.1		4.1
7							6.9	6.9		7.2	7.2		2.8		2.8	3.1		3.1
8				1.3	1.3		6.9	6.9		7.3	7.3		2.4		2.4	2.0		2.0
9				1.8	1.8		7.0	7.0		7.3	7.3		3.8		3.8			
10				1.6	1.6		7.1	7.1		6.8	6.8		2.4		2.4			
11				1.8	1.8		6.8	6.8		6.7	6.7							
12				1.9	1.9		6.7	6.7		6.8	6.8		2.5	2.5				
13				0.6	0.6		6.9	6.9		6.6	6.6		6.0		6.0			
14							2.6	2.6		6.4	6.4		5.6		5.6			
15										6.4	6.4		6.1		6.1			
16										7.1	7.1		6.7		6.7			
17										7.3	7.3		6.0		6.0			
18										6.9	6.9		6.2		6.2			
19										7.1	7.1		6.9		6.9			
20							4.3	4.3		7.0	7.0		6.7		6.7			
21							7.3	7.3		7.0	7.0		5.8		5.8			
22							7.1	7.1		6.6	6.6		4.9		4.9			
23							7.0	7.0		6.5	6.5		5.1		5.1			
24							7.3	7.3		6.6	6.6		5.3		5.3			
25		4.5	4.5				6.6	6.6		7.1	7.1		4.1		4.1			
26		4.5	4.5				6.5	6.5		6.9	6.9		6.0		6.0			
27		4.5	4.5				6.5	6.5		5.9	5.9		4.2		4.2			
28		4.6	4.6				6.8	6.8		5.4	5.4		4.2		4.2			
29		4.2	4.2				7.2	7.2		6.2	6.2		2.0		2.0			
30		4.5	4.5				7.0	7.0		6.2	6.2		5.3		5.3			
31		4.5	4.5				6.6	6.6										
Total	31.3	31.3		24.4	24.4		149.8	149.8		202.2	202.2		131.9	23.4	108.5	38.3		38.3
Acre-feet		62			48			297			401			262				76
Priority Diverted		62			48			297			401			46				
Apport Diverted														215				76
Apport diverted to date														215				291
TBI acreage		582.20			582.20			582.20			582.20			582.20				646.40
Apportioned		314			314			314			2,725			2,725				3,025
Duty		0.11			0.08			0.51			0.69			0.45				0.12

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total																			
Acre-feet																			1,145
Priority Diverted																			854
Apport Diverted																			291
Apport diverted to date		291			291			291			291			291					291
TBI acreage		646.40			646.40			646.40			646.40			646.40					646.40
Apportioned		3,025			3,025			3,025			3,025			3,025					3,025
Duty																			1.77

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 6 ft. Parshall flume located in NW 1/4 SE 1/4, Sec. 34, T. 8S, R. 32E.

2019

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	2.9	2.9		6.4	6.4		66.6	66.6		259.4	259.4		102.2	102.2		69.8		69.8
2	2.8	2.8		6.3	6.3		75.1	75.1		259.8	259.8		101.8	101.8		64.1		64.1
3				6.3	6.3		82.8	82.8		259.8	259.8		110.1	110.1		52.8		52.8
4				2.2	2.2		97.3	97.3		259.5	259.5		115.7	115.7		48.8		48.8
5							107.6	107.6		259.9	259.9		115.5	115.5		50.2		50.2
6							181.1	181.1		259.4	259.4		115.7	115.7		47.2		47.2
7							215.4	215.4		259.2	259.2		115.3	115.3		53.3		53.3
8							216.4	216.4		259.1	259.1		124.0	89.1	34.0	67.5		67.5
9							202.7	202.7		255.3	255.3		125.8	28.8	97.0	58.7		58.7
10							211.4	211.4		254.5	254.5		117.6	45.5	72.1	60.8		60.8
11							208.0	208.0		252.5	252.5		91.7	37.6	54.1	62.8		62.8
12				4.1	4.1		210.5	210.5		251.5	251.5		85.6	23.4	62.2	61.6		61.6
13				5.3	5.3		214.1	214.1		249.1	249.1		67.3	7.3	60.0	59.8		59.8
14				5.0	5.0		217.5	217.5		251.3	251.3		59.9	59.9		57.3		57.3
15				5.0	5.0		219.6	219.6		252.5	252.5		60.6		60.6	52.8		52.8
16				5.1	5.1		219.4	219.4		252.3	249.0	3.3	58.6		58.6	51.1		51.1
17				4.8	4.8		215.2	215.2		245.7	242.2	3.5	56.4		56.4	49.4		49.4
18				3.8	3.8		226.7	226.7		241.8	241.8		58.1		58.1	51.1		51.1
19							235.8	235.8		243.4	243.4		57.7		57.7	53.7		53.7
20							239.7	239.7		241.2	241.2		56.9		56.9	50.0		50.0
21							238.8	238.8		202.2	197.7	4.5	56.7		56.7	51.7		51.7
22							250.6	250.6		186.5	186.5		56.1		56.1	52.2		52.2
23							256.7	256.7		158.0	158.0		81.6		81.6	51.8		51.8
24							257.7	257.7		136.8	136.8		109.3		109.3	48.2		48.2
25							251.6	251.6		139.6	139.6		114.2		114.2	49.5		49.5
26							257.8	257.8		136.3	136.3		109.1		109.1	45.3		45.3
27				15.7	15.7		259.4	259.4		131.3	131.3		110.2		110.2	46.6		46.6
28	4.4	4.4		39.6	39.6		254.2	254.2		125.2	125.2		100.8		100.8	41.9		41.9
29	6.4	6.4					257.1	257.1		107.7	107.7		91.0		91.0	37.5		37.5
30	6.4	6.4					256.7	256.7		102.7	102.7		87.5		87.5	38.9		38.9
31	6.4	6.4					254.3	254.3					77.8	5.2	72.6			
Total	29.3	29.3		109.6	109.6		6456.8	6456.8		6493.5	6482.2	11.3	2790.8	1073.1	1717.7	1576.4		1576.4
Acre-feet		58			217			12,807			12,880			5,536			3,127	
Priority Diverted		58			218			12,806			12,859			2,130				
Apport Diverted											22			3,407			3,127	
Apport diverted to date											22			3,429			6,556	
TBI acreage		19,208.86			21,825.76			21,858.16			21,913.96			21,937.78			22,047.63	
Apportioned		10,373			11,786			11,803			102,557			102,669			103,183	
Duty					0.01			0.59			0.59			0.25			0.14	

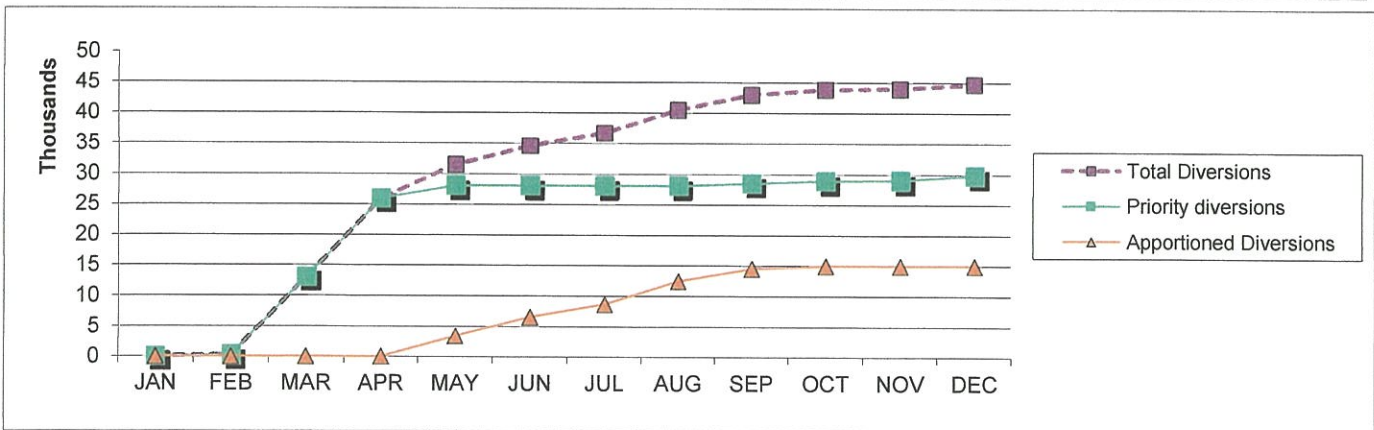
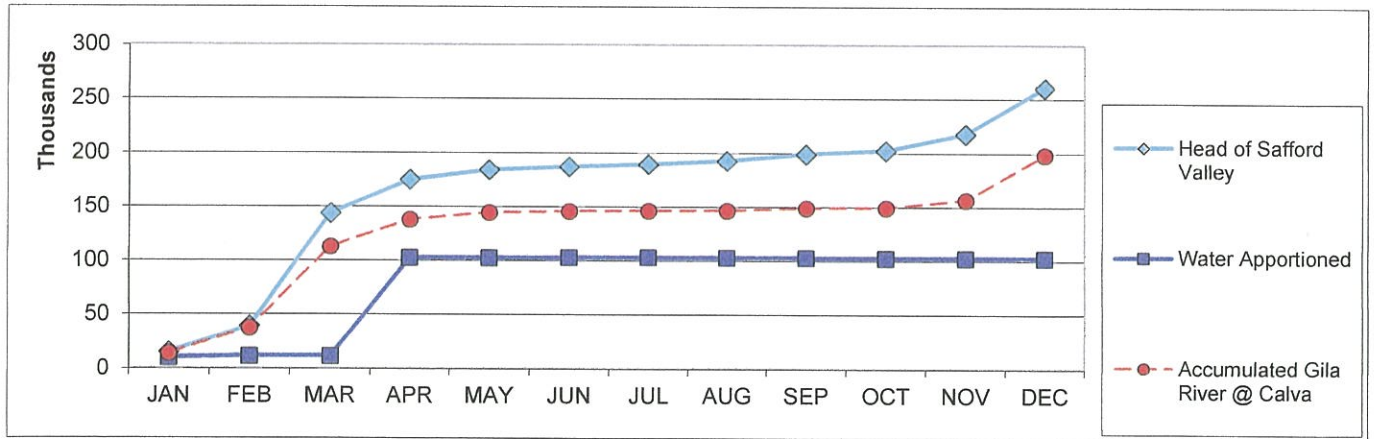
DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals	
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport		
1	37.3		37.3	75.6		75.6	46.9		46.9	35.2		35.2	8.6		8.6					
2	34.1		34.1	73.0		73.0	60.2		60.2	34.6		22.4	12.2		8.7					
3	29.8		29.8	72.4		72.4	48.5		48.5	29.8		18.6	11.2		8.4					
4	29.4		29.4	72.5		72.5	48.5		48.5	19.5		19.5			8.5					
5	31.5		31.5	98.6		98.6	47.8		47.8	21.5		21.5			8.4					
6	32.0		32.0	96.4		96.4	46.6		46.6	19.4		16.5	2.9		8.3					
7	34.5		34.5	75.3		75.3	47.1		47.1	17.0		5.2	11.8		5.4					
8	38.0		39.0	66.3		66.3	80.4		80.4	15.0		12.5	2.5							
9	37.5		37.5	59.9		59.9	62.4		62.4	12.3		3.9	8.4							
10	39.6		39.6	58.6		58.6	57.7		57.7	11.0		1.1	9.9							
11	42.3		42.3	80.0		80.0	50.7		50.7	12.2			12.2							
12	38.5		38.5	80.8		80.8	42.2		42.2	13.2		3.9	9.3							
13	37.3		37.3	72.1		72.1	40.0		40.0	12.9			12.9							
14	34.8		34.8	68.9		68.9	47.8		47.8	18.1		5.2	12.9							
15	35.0		35.0	66.9		66.9	52.0		52.0	18.3		0.8	17.5							
16	29.0		29.0	65.9		65.9	55.7		55.7	17.2		13.7	3.5							
17	28.7		28.7	64.0		64.0	43.6		43.6	14.2			14.2							
18	28.8		28.8	60.1		60.1	33.1		33.1	9.0			9.0							
19	29.3		29.3	55.7		55.7	45.9		38.1	7.8		0.2	9.1							
20	30.6		30.6	52.1		52.1	53.2		53.2	9.1			9.1							
21	31.3		31.3	47.5		47.5	38.2		38.2	9.2			9.2							
22	29.7		29.7	46.0		46.0	33.0		33.0	9.2			9.2							
23	27.4		27.4	49.7		49.7	32.9		32.9	4.7			4.7				36.2	36.2		
24	31.4		31.4	53.4		53.4	32.8		22.2	10.6			6.5				55.4	55.4		
25	31.4		31.4	48.2		48.2	18.4		18.4	7.3			7.3				54.8	54.8		
26	33.3		33.3	39.7		39.7	11.1		11.1	7.8		2.0	5.8				55.9	55.9		
27	29.5		29.5	40.2		40.2	5.7		5.7	8.4			8.4				45.0	45.0		
28	31.6		31.6	35.6		35.6	18.9		18.9	8.2		8.2					47.0	47.0		
29	30.5		30.5	53.5		53.5	26.1		26.1	8.3		8.3					43.4	43.4		
30	46.0		46.0	48.5		48.5	24.8		24.8	8.6		8.6					34.3	34.3		
31	48.7		48.7	40.7		40.7				8.6		8.6					16.3	16.3		
Total	1049.8		1049.8	1918.1		1918.1	1252.2		208.9	1043.3		435.6	215.9		219.7	56.3	56.3	388.3	388.3	
Acre-feet		2,082			3,805			2,484			864			112				770	770	44,744
Priority Diverted								415			428			112				770		29,796
Apport Diverted		2,081			3,806			2,069			436									14,948
Apport diverted to date		8,637			12,443			14,512			14,948			14,948				14,948		14,948
TBI acreage		22,088.03			22,024.09			22,024.09			21,949.69			21,849.69				21,849.39		21,949.39
Apportioned		103,372			103,073			103,073			102,725			102,725				102,723		102,723
Duty		0.09			0.17			0.11			0.04			0.01				0.04		2.04

2019

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	15,457	15,457	58	58	10,373	14,206	14,206
FEB	23,784	39,241	276	276	11,786	37,673	23,467
MAR	104,538	143,779	13,082	13,082	11,803	112,949	75,276
APR	31,308	175,087	25,963	25,941	22	102,557	25,190
MAY	9,285	184,372	31,500	28,071	3,429	102,669	6,469
JUN	2,830	187,202	34,627	28,071	6,556	103,183	1,256
JUL	2,311	189,513	36,708	28,071	8,637	103,372	487
AUG	3,449	192,962	40,514	28,071	12,443	103,073	308
SEP	6,423	199,385	42,998	28,486	14,512	103,073	2,344
OCT	3,221	202,606	43,862	28,914	14,948	102,725	344
NOV	15,464	218,070	43,974	29,026	14,948	102,725	7,258
DEC	42,725	260,795	44,744	29,796	14,948	102,723	42,026
Graph:	Gila at Head	Total Diversions	Priority Div's	Apportn'd Div's	Apportionments	Gila Calva	



2019

CONSOLIDATED BROWN CANAL: 1,326.90 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1	2.9	2.9		6.4	6.4		6.0	6.0		10.5	10.5		6.2	6.2		4.4		4.4
2	2.8	2.8		6.3	6.3		6.0	6.0		10.5	10.5		6.2	6.2		4.1		4.1
3				6.3	6.3		6.0	6.0		10.7	10.7		9.2	9.2		4.0		4.0
4				2.2	2.2		6.1	6.1		10.8	10.8		10.3	10.3		4.6		4.6
5							6.2	6.2		10.6	10.6		10.1	10.1		4.5		4.5
6							6.2	6.2		10.5	10.5		9.9	9.9		4.4		4.4
7							3.1	3.1		10.4	10.4		9.7	9.7		4.3		4.3
8										10.4	10.4		9.6	2.4	7.2	5.9		5.9
9										10.4	10.4		9.5	3.5	6.0	6.0		6.0
10										10.4	10.4		9.8	3.5	6.3	4.9		4.9
11										10.5	10.5		10.3	2.0	8.3	3.5		3.5
12				4.1	4.1					10.4	10.4		10.5	0.7	9.8	3.5		3.5
13				5.3	5.3					10.3	10.3		10.3	10.3		3.5		3.5
14				5.0	5.0					10.1	10.1		9.7		9.7	3.5		3.5
15				5.0	5.0					10.3	10.3		8.8		8.8	3.5		3.5
16				5.1	5.1					10.3	10.3		8.3		8.3	3.4		3.4
17				4.8	4.8					10.0	10.0		8.0		8.0	3.4		3.4
18				3.8	3.8		2.3	2.3		9.9	9.9		8.1		8.1	2.8		2.8
19							3.5	3.5		9.9	9.9		8.5		8.5	2.5		2.5
20							6.9	6.9		10.1	10.1		9.7		9.7	2.4		2.4
21							6.3	6.3		10.2	10.2		9.8		9.8	2.4		2.4
22							6.3	6.3		10.1	10.1		9.6		9.6	2.4		2.4
23							6.2	6.2		10.3	10.3		9.3		9.3	2.4		2.4
24							6.3	6.3		10.2	10.2		9.1		9.1	2.4		2.4
25							3.5	3.5		10.1	10.1		9.3		9.3	2.4		2.4
26							6.8	6.8		9.9	9.9		9.8		9.8	2.4		2.4
27				4.2	4.2		10.6	10.6		10.1	10.1		6.7		6.7	2.4		2.4
28	4.4	4.4		6.1	6.1		10.5	10.5		7.9	7.9		4.6		4.6	2.4		2.4
29	6.4	6.4					10.5	10.5		6.3	6.3		4.7		4.7	2.4		2.4
30	6.4	6.4					10.7	10.7		6.3	6.3		4.7	0.3	4.4	2.4		2.4
31	6.4	6.4					10.6	10.6										
Total	29.3	29.3		64.6	64.6		140.6	140.6		298.4	298.4		266.6	90.6	176.0	103.1		103.1
Acre-feet		58			128			279			592			529			204	
Priority Diverted		58			128			279			592			180				
Apport Diverted														349			204	
Appor diverted to date														349			553	
TBI acreage		681.80			880.00			885.30			885.30			885.30			885.30	
Apportioned		368			475			478			4,143			4,143			4,143	
Duty		0.09			0.15			0.32			0.67			0.60			0.23	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	2.2		2.2	3.0		3.0	2.3		2.3										
2	1.9		1.9	3.9		3.9	2.4		2.4										
3	1.9		1.9	3.9		3.9	2.4		2.4	4.5	3.5	1.0							
4	1.9		1.9	3.9		3.9	2.3		2.3	6.2	6.2								
5	1.9		1.9	3.9		3.9	2.3		2.3	6.1	6.1								
6	1.9		1.9	3.9		3.9	2.3		2.3	1.9	1.9								
7	1.9		1.9	3.9		3.9	2.5		2.5										
8	2.1		2.1	3.8		3.8	2.3		2.3										
9	2.2		2.2	3.8		3.8	2.4		2.4										
10	2.2		2.2	3.8		3.8	2.3		2.3										
11	2.2		2.2	3.8		3.8	2.3		2.3										
12	2.2		2.2	4.2		4.2	2.3		2.3										
13	2.2		2.2	4.3		4.3	2.1		2.1										
14	2.2		2.2	4.0		4.0	1.0		1.0										
15	1.8		1.8	3.7		3.7													
16	1.5		1.5	3.7		3.7													
17	1.6		1.6	3.7		3.7													
18	1.6		1.6	3.9		3.9													
19	2.0		2.0	4.1		4.1													
20	2.1		2.1	2.9		2.9													
21	1.8		1.8	2.4		2.4													
22	1.6		1.6	2.3		2.3													
23	1.6		1.6	2.2		2.2													
24	2.3		2.3	1.8		1.8													
25	1.8		1.8	2.1		2.1													
26	2.1		2.1	2.8		2.8													
27	1.8		1.8	2.4		2.4													
28	1.8		1.8	2.4		2.4													
29	1.8		1.8	2.5		2.5													
30	1.9		1.9	2.3		2.3													
31	1.6		1.6	2.3		2.3													
Total	59.6		59.6	101.6		101.6	31.2		31.2	18.7	17.7	1.0							
Acre-feet		118			202			62			37								2,209
Priority Diverted											35								1,272
Apport Diverted								62			2								937
Appor diverted to date								935			937			937					937
TBI acreage		885.30			885.30			885.30			885.30			885.30			885.30		885.30
Apportioned		4,143			4,143			4,143			4,143			4,143			4,143		4,143
Duty		0.13			0.23			0.07			0.04								2.50

Diversion from North side of Gila River in SE 1/4 SE 1/4, Sec. 30, T. 6S, R20E. Water-measure recorder and 3 ft. Parshall flume located in NE 1/4 NE 1/4, Sec. 31, T. 6S, R 28E.

Record Good

2019

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										33.7	33.7		33.7	33.7		17.4		17.4
2										33.7	33.7		33.7	33.7		17.4		17.4
3										33.7	33.7		33.7	33.7		17.4		17.4
4										33.7	33.7		33.7	33.7		17.4		17.4
5										33.7	33.7		33.7	33.7		17.4		17.4
6							16.2	16.2		33.7	33.7		33.7	33.7		17.4		17.4
7							25.2	25.2		33.7	33.7		33.7	21.6	12.1	20.0		20.0
8							25.0	25.0		33.7	33.7		33.7	11.0	22.7	21.6		21.6
9							25.0	25.0		33.7	33.7		33.7	14.6	19.1	21.6		21.6
10							25.0	25.0		33.7	33.7		22.6	14.6	8.0	17.1		17.1
11							25.0	25.0		33.7	33.7		17.5	10.1	7.4	15.0		15.0
12							25.0	25.0		33.7	33.7		11.5	2.8	8.7	15.0		15.0
13							25.0	25.0		33.7	33.7		8.4	8.4		14.6		14.6
14							25.3	25.3		33.7	33.7		8.5		8.5	14.6		14.6
15							25.6	25.6		33.7	33.7		8.5		8.5	14.6		14.6
16							25.0	25.0		33.7	33.7		8.5		8.5	13.7		13.7
17							25.0	25.0		33.7	33.7		8.5		8.5	12.4		12.4
18							25.0	25.0		33.7	33.7		8.4		8.4	11.7		11.7
19							25.0	25.0		33.7	33.7		7.8		7.8	12.1		12.1
20							25.0	25.0		33.7	33.7		7.3		7.3	11.8		11.8
21							25.0	25.0		33.7	33.7		7.5		7.5	11.6		11.6
22							31.2	31.2		33.7	33.7		20.4		20.4	11.4		11.4
23							34.2	34.2		33.7	33.7		23.8		23.8	11.4		11.4
24							34.4	34.4		33.7	33.7		24.2		24.2	10.8		10.8
25							34.0	34.0		33.7	33.7		23.2		23.2	10.6		10.6
26							34.0	34.0		34.2	34.2		19.1		19.1	10.0		10.0
27							33.8	33.8		33.8	33.8		20.9		20.9	10.0		10.0
28							33.8	33.8		33.7	33.7		17.4		17.4	9.8		9.8
29							33.8	33.8		33.7	33.7		17.4		17.4	9.7		9.7
30							33.8	33.8		33.7	33.7		17.4	0.9	16.5	9.5		9.5
31							33.8	33.8										
Total							729.1	729.1		1011.6	1011.6		645.8	319.9	325.9	425.0		425.0
Acre-feet								1,446			2,007			1,281			843	
Priority Diverted								1,446			2,007			635				
Apport Diverted														646			843	
Apport diverted to date														646			1,489	
TBI acreage		2,927.15			3,004.45			3,009.05			3,011.05			3,011.05			3,011.05	
Apportioned		1,581			1,622			1,625			14,092			14,092			14,092	
Duty								0.48			0.67			0.43			0.28	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals	
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport		
1	8.9		8.9	12.7		12.7	13.6		13.6											
2	8.9		8.9	20.0		20.0	25.3		25.3											
3	8.3		8.3	16.6		16.6	16.3		16.3											
4	8.4		8.4	16.1		16.1	15.0		15.0											
5	8.1		8.1	16.9		16.9	14.5		14.5											
6	8.2		8.2	18.3		18.3	14.2		14.2											
7	9.2		9.2	16.4		16.4	14.1		14.1											
8	10.6		10.6	14.8		14.8	14.5		14.5											
9	11.0		11.0	14.2		14.2	14.5		14.5											
10	11.6		11.6	15.7		15.7	13.8		13.8											
11	11.7		11.7	17.4		17.4	13.6		13.6											
12	10.8		10.8	23.1		23.1	13.5		13.5											
13	9.5		9.5	24.9		24.9	13.6		13.6											
14	9.1		9.1	18.8		18.8	11.7		11.7											
15	9.9		9.9	17.3		17.3	10.7		10.7											
16	8.3		8.3	17.3		17.3	10.7		10.7											
17	8.0		8.0	13.1		13.1	10.7	10.7												
18	8.0		8.0	12.6		12.6	10.7		10.7											
19	8.0		8.0	13.9		13.9	10.7	10.7												
20	8.1		8.1	12.9		12.9	11.0		11.0											
21	8.4		8.4	12.6		12.6	11.1		11.1											
22	8.0		8.0	12.3		12.3	11.0		11.0											
23	8.0		8.0	12.4		12.4	11.0		11.0											
24	8.6		8.6	13.1		13.1	10.9	10.9												
25	9.7		9.7	12.3		12.3	3.3	3.3												
26	10.2		10.2	11.2		11.2														
27	9.3		9.3	10.7		10.7														
28	9.5		9.5	10.7		10.7														
29	8.8		8.8	12.0		12.0														
30	9.3		9.3	12.6		12.6														
31	12.7		12.7	11.2		11.2														
Total	287.1		287.1	464.1		464.1	320.0	35.6	284.4											
Acre-feet		569			921			635												7,702
Priority Diverted								71												4,169
Apport Diverted								564												3,543
Apport diverted to date		569			921			3,543			3,543			3,543			3,543			3,543
TBI acreage		3,011.05			2,998.35			2,998.35			2,998.35			2,998.35			2,998.35			2,998.35
Apportioned		14,092			14,032			14,032			14,032			14,032			14,032			14,032
Duty		0.19			0.31			0.21												2.57

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

Record Good

2019

FOURNESS CANAL: 210.70 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1																		
2																		
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		
11																		
12																		
13																		
14																		
15																		
16																		
17																		
18																		
19																		
20																		
21																		
22																		
23																		
24																		
25																		
26																		
27																		
28																		
29																		
30																		
31																		
Total																		
Acre-feet																		
Priority Diverted																		
Apport Diverted																		
Apport diverted to date																		
TBI acreage		57.50			161.40			161.40			161.40			161.40			161.40	
Apportioned		31			87			87			755			755			755	
Duty																		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10										0.8		0.8							
11										1.7		1.7							
12										1.7		1.7							
13										1.7		1.7							
14										1.7		1.7							
15										0.9		0.9							
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total										8.5		8.5							
Acre-feet												17							17
Priority Diverted												17							17
Apport Diverted												17							17
Apport diverted to date												17							17
TBI acreage		161.40			161.40			161.40			161.40			161.40			161.40		161.40
Apportioned		755			755			755			755			755			755		755
Duty											0.11								0.11

2019

MONTEZUMA CANAL: 4,715.78 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1										33.0	33.0		33.0	33.0		13.5		13.5
2										33.0	33.0		33.0	33.0		12.4		12.4
3										31.8	31.8		32.9	32.9		12.8		12.8
4										31.8	31.8		32.8	32.8		13.0		13.0
5										31.8	31.8		32.6	32.6		13.8		13.8
6							17.1	17.1		31.8	31.8		32.6	32.6		13.7		13.7
7							26.7	26.7		31.6	31.6		32.5	18.9	13.6	17.0		17.0
8							26.0	26.0		31.1	31.1		32.5	11.5	21.0	17.0		17.0
9							23.8	23.8		30.8	30.8		32.3	12.8	19.5	19.3		19.3
10							23.4	23.4		31.2	31.2		25.7	12.8	12.9	11.7		11.7
11							20.9	20.9		30.9	30.9		24.6	10.8	13.8	13.2		13.2
12							22.5	22.5		30.0	30.0		13.0	3.8	9.2	13.3		13.3
13							22.8	22.8		29.4	29.4		8.8	8.8		12.3		12.3
14							26.8	26.8		32.1	32.1		8.8		8.8	10.7		10.7
15							27.0	27.0		32.6	32.6		8.8		8.8	7.8		7.8
16							26.2	26.2		33.2	33.2		8.8		8.8	11.3		11.3
17							25.5	25.5		33.3	33.3		8.8		8.8	11.8		11.8
18							25.6	25.6		33.3	33.3		8.8		8.8	12.0		12.0
19							24.9	24.9		33.2	33.2		8.8		8.8	12.3		12.3
20							24.2	24.2		33.2	33.2		8.8		8.8	12.1		12.1
21							24.8	24.8		33.1	33.1		8.8		8.8	11.8		11.8
22							31.7	31.7		32.8	32.8		20.6		20.6	11.4		11.4
23							34.3	34.3		30.7	30.7		25.0		25.0	10.1		10.1
24							34.5	34.5		29.6	29.6		25.0		25.0	11.0		11.0
25							34.2	34.2		33.8	33.8		25.0		25.0	10.5		10.5
26							34.2	34.2		34.4	34.4		25.0		25.0	11.3		11.3
27							33.4	33.4		34.0	34.0		16.9		16.9	11.2		11.2
28							33.1	33.1		33.3	33.3		13.6		13.6	10.8		10.8
29							33.1	33.1		33.1	33.1		11.7		11.7	10.6		10.6
30							33.3	33.3		33.1	33.1		13.4	1.7	11.7	10.4		10.4
31							33.1	33.1										
Total							723.1	723.1		967.0	967.0		645.9	311.0	334.9	370.1		370.1
Acre-feet										1,434			1,918			1,281		734
Priority Diverted										1,434			1,918					
Apport Diverted															664			734
Apport diverted to date															664			1,398
TBI acreage		2,767.95			2,884.55			2,899.45			2,899.45			2,899.45			2,902.55	
Apportioned		1,495			1,558			1,566			13,569			13,569			13,584	
Duty								0.49			0.66			0.44			0.25	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	10.9		10.9	20.7		20.7	14.1		14.1										
2	9.8		9.8	18.3		18.3	17.1		17.1										
3	9.4		9.4	12.7		12.7	16.8		16.8										
4	9.0		9.0	10.2		10.2	15.6		15.6										
5	8.7		8.7	13.7		13.7	15.1		15.1										
6	8.8		8.8	15.1		15.1	14.7		14.7										
7	9.7		9.7	10.2		10.2	14.6		14.6										
8	11.2		11.2	10.4		10.4	15.1		15.1										
9	12.0		12.0	12.5		12.5	15.0		15.0										
10	12.5		12.5	14.0		14.0	14.3		14.3										
11	12.0		12.0	15.6		15.6	14.2		14.2										
12	10.1		10.1	21.3		21.3	14.1		14.1										
13	9.8		9.8	23.1		23.1	14.1		14.1										
14	9.0		9.0	15.6		15.6	10.2		10.2										
15	10.6		10.6	13.4		13.4	8.5		8.5										
16	7.0		7.0	11.5		11.5	6.9		6.9										
17	7.5		7.5	10.3		10.3	7.8	7.8											
18	7.2		7.2	9.8		9.8	8.2		8.2										
19	7.6		7.6	9.7		9.7	8.4	8.4											
20	8.3		8.3	12.4		12.4	8.9		8.9										
21	8.5		8.5	12.3		12.3	8.9		8.9										
22	7.9		7.9	11.1		11.1	8.8		8.8										
23	7.8		7.8	12.1		12.1	8.8		8.8							10.7	10.7		
24	8.7		8.7	12.8		12.8	8.8	8.8								14.9	14.9		
25	9.9		9.9	9.8		9.8	2.0	2.0								14.4	14.4		
26	10.3		10.3	10.5		10.5										15.2	15.2		
27	9.5		9.5	11.3		11.3										10.1	10.1		
28	9.7		9.7	9.3		9.3										1.1	1.1		
29	8.9		8.9	12.6		12.6													
30	9.5		9.5	13.2		13.2													
31	12.8		12.8	11.8		11.8													
Total	294.6		294.6	407.3		407.3	291.0	27.0	264.0							66.4	66.4		
Acre-feet		584			808			577									132		7,469
Priority Diverted								54									132		4,155
Apport Diverted								524											3,314
Apport diverted to date		1,982			2,790			3,314			3,314			3,314			3,314		3,314
TBI acreage		2,902.55			2,876.35			2,876.35			2,853.75			2,853.75			2,853.45		2,853.45
Apportioned		13,584			13,461			13,461			13,356			13,356			13,354		13,354
Duty		0.20			0.28			0.20									0.05		2.62

2019

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										61.9	61.9					13.8		13.8
2										61.9	61.9					13.8		13.8
3										61.9	61.9					4.9		4.9
4										61.9	61.9							
5										61.9	61.9							
6							35.5	35.5		61.9	61.9							
7							55.0	55.0		61.9	61.9							
8							59.7	59.7		61.9	61.9							
9							61.8	61.8		61.9	61.9							
10							61.8	61.8		61.9	61.9					15.0		15.0
11							61.8	61.8		61.9	61.9					17.4		17.4
12							61.8	61.8		61.9	61.9					17.4		17.4
13							61.8	61.8		61.9	61.9					17.4		17.4
14							61.8	61.8		61.9	61.9					17.4		17.4
15							61.8	61.8		61.9	61.9					17.4		17.4
16							61.8	61.8		61.9	61.4	0.5				13.2		13.2
17							61.8	61.8		61.9	61.4	0.5				11.2		11.2
18							61.8	61.8		61.9	61.9					10.6		10.6
19							61.8	61.8		61.9	61.9					10.4		10.4
20							61.8	61.8		61.9	61.9					10.4		10.4
21							61.8	61.8		28.7	28.7					10.4		10.4
22							61.8	61.8		34.3	34.3					10.4		10.4
23							61.8	61.8		14.7	14.7		22.5		22.5	10.4		10.4
24							61.8	61.8					30.0		30.0	9.3		9.3
25							61.8	61.8					30.0		30.0	8.8		8.8
26							61.8	61.8					30.0		30.0	7.8		7.8
27							61.8	61.8					30.0		30.0	7.4		7.4
28							61.8	61.8					30.0		30.0	7.3		7.3
29							61.8	61.8					30.0		30.0	7.3		7.3
30							61.8	61.8					18.5	2.3	16.2	7.3		7.3
31							61.8	61.8										
Total							1571.6	1571.6		1315.7	1314.7	1.0	221.0	2.3	218.7	276.7		276.7
Acre-feet								3,117			2,610			438			549	
Priority Diverted								3,117			2,608			5				
Apport Diverted											2			434			549	
Apport diverted to date											2			436			985	
TBI acreage	4,532.16			4,920.96			4,951.36			4,960.86			4,979.88			4,982.13		
Apportioned	2,447			2,657			2,674			23,217			23,306			23,316		
Duty							0.63			0.53			0.09			0.11		

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	7.3		7.3	14.4		14.4	8.9		8.9	18.4	18.4								
2	7.3		7.3	17.4		17.4	8.9		8.9	18.6	17.2	1.4							
3	7.3		7.3	26.8		26.8	8.9		8.9	9.9	9.9								
4	6.9		6.9	24.0		24.0	8.9		8.9										
5	6.8		6.8	21.3		21.3	8.9		8.9										
6	6.8		6.8	21.3		21.3	8.9		8.9										
7	6.8		6.8	21.3		21.3	8.9		8.9										
8	6.8		6.8	16.7		16.7	8.9		8.9										
9	7.3		7.3	14.8		14.8	8.9		8.9										
10	8.3		8.3	14.8		14.8	8.9		8.9										
11	9.9		9.9	14.8		14.8	8.9		8.9										
12	9.1		9.1	14.8		14.8	8.9		8.9										
13	8.0		8.0	14.8		14.8	8.9		8.9										
14	7.8		7.8	24.4		24.4	8.9		8.9										
15	7.8		7.8	27.6		27.6	8.9		8.9										
16	7.4		7.4	27.6		27.6	3.2		3.2										
17	7.2		7.2	27.6		27.6													
18	7.2		7.2	21.0		21.0													
19	7.2		7.2	13.9		13.9													
20	7.2		7.2	11.7		11.7													
21	7.2		7.2	11.5		11.5													
22	7.2		7.2	11.5		11.5													
23	7.2		7.2	11.5		11.5										16.1	16.1		
24	7.2		7.2	11.5		11.5										25.0	25.0		
25	7.2		7.2	11.5		11.5										25.0	25.0		
26	7.2		7.2	9.7		9.7										25.0	25.0		
27	7.2		7.2	8.9		8.9										25.0	25.0		
28	7.2		7.2	8.9		8.9	13.3	13.3								25.0	25.0		
29	7.2		7.2	8.9		8.9	20.5	20.5								23.1	23.1		
30	7.2		7.2	8.9		8.9	20.1	20.1								13.9	13.9		
31	7.2		7.2	8.9		8.9													
Total	229.6		229.6	502.7		502.7	190.6	53.9	136.7	46.9	45.5	1.4				178.1	178.1		
Acre-feet		455			997			378			93						353		8,991
Priority Diverted								107			90						353		6,280
Apport Diverted		455			997			271			3								2,711
Apport diverted to date		1,440			2,437			2,708			2,711			2,711			2,711		2,711
TBI acreage	4,982.83			4,966.53			4,966.53			4,929.33			4,929.33			4,929.33			4,929.33
Apportioned	23,320			23,243			23,243			23,069			23,069			23,069			23,069
Duty		0.09			0.20			0.08			0.02						0.07		1.82

2019

GRAHAM CANAL: 4,217.68 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1							37.6	37.6		41.4	41.4							
2							28.3	28.3		41.3	41.3							
3							37.8	37.8		42.8	42.8							
4							31.8	31.8		42.9	42.9					1.6		1.6
5							36.9	36.9		42.9	42.9					1.7		1.7
6							41.5	41.5		42.5	42.5					0.5		0.5
7							41.2	41.2		42.9	42.9							
8							41.1	41.1		42.9	42.9							
9							31.4	31.4		42.9	42.9							
10							39.3	39.3		41.5	41.5							
11							39.0	39.0		41.7	41.7							
12							41.7	41.7		41.3	41.3							
13							39.1	39.1		41.1	41.1							
14							41.6	41.6		40.6	40.6							
15							41.5	41.5		40.3	40.3							
16							41.9	41.9		40.2	40.0	0.2						
17							41.2	41.2		40.0	39.8	0.2						
18							37.4	37.4		40.7	40.7							
19							39.7	39.7		42.6	42.6							
20							41.7	41.7		42.7	42.7							
21							41.2	41.2		40.9	39.8	1.1						
22							41.0	41.0		29.4	29.4							
23							40.8	40.8		26.8	26.8							
24							41.5	41.5		21.0	21.0							
25							39.7	39.7		19.1	19.1							
26							41.3	41.3		14.9	14.9							
27				11.5	11.5		39.6	39.6		10.3	10.3							
28				16.5	16.5		36.6	36.6		7.0	7.0							
29							39.6	39.6										
30							39.8	39.8										
31							37.5	37.5										
Total				28.0	28.0		1210.3	1210.3		1004.6	1003.1	1.5				3.8		3.8
Acre-feet					56			2401			1993						8	
Priority Diverted					56			2401			1990							
Apport Diverted											3						8	
Appor diverted to date											3			3			11	
TBI acreage	1911.14			3363.14			3363.14		3432.34				3435.84			3494.34		
Apportioned	1032			1816			1816		16063				16080			16354		
Duty					0.02			0.71			0.58							

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1							2.5		2.5										
2							1.9		1.9										
3																			
4				2.6		2.6	3.4		3.4										
5				27.5		27.5	2.7		2.7										
6				8.0		8.0	1.5		1.5										
7																			
8							25.4		25.4										
9							12.2		12.2										
10							9.1		9.1										
11							4.1		4.1										
12							0.8		0.8										
13																			
14																			
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																9.4		9.4	
24																15.5		15.5	
25																15.4		15.4	
26																15.7		15.7	
27																9.9		9.9	
28																2.9		2.9	
29	1.0		1.0	4.9		4.9													
30	4.0		4.0	1.1		1.1													
31	1.0		1.0																
Total	6.0		6.0	44.1		44.1	63.6		63.6							68.8		68.8	
Acre-feet					87			126									136		4819
Priority Diverted					87			126									136		4583
Apport Diverted											126								236
Appor diverted to date											236			236					236
TBI acreage	3494.34			3496.40			3496.40		3496.30				3496.30			3496.30			3,496.30
Apportioned	16354			16363			16363		16363				16363			16363			16363
Duty					0.02			0.04											1.38

Diversion from North side of Gila River in NW 1/4 NE 1/4, Sec. 9, T. 7S, R. 28E. Water-stage recorder and 8 ft Parshall flume located in SW 1/4 SW 1/4, Sec. 4, T. 7S, R. 28E.

Record Good

2019

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							23.0	23.0		20.6	20.6		9.5	9.5				
2							22.4	22.4		21.6	21.6		17.6	17.6				
3							21.2	21.2		21.6	21.6		20.4	20.4				
4							22.6	22.6		21.6	21.6		20.4	20.4				
5							21.5	21.5		21.8	21.8		20.4	20.4				
6							22.2	22.2		22.1	22.1		20.1	20.1				
7							21.9	21.9		22.1	22.1		20.1	16.7	3.4			
8							21.4	21.4		21.8	21.8		20.1	3.4	16.7			
9							20.0	20.0		22.0	22.0		9.4	9.4	0.0			
10							20.2	20.2		22.2	22.2		1.5	1.5	0.0			
11							21.3	21.3		22.3	22.3							
12							19.1	19.1		22.5	22.5							
13							23.2	23.2		22.3	22.3							
14							21.9	21.9		22.3	22.3							
15							21.5	21.5		22.5	22.5							
16							21.9	21.9		22.6	22.6							
17							20.8	20.8		17.2	17.2							
18							22.0	22.0		12.0	12.0							
19							22.7	22.7		12.1	12.1							
20							22.0	22.0		12.5	12.5							
21							21.5	21.5		12.6	12.6							
22							21.3	21.3		3.5	3.5							
23							22.1	22.1										
24							22.2	22.2										
25							21.4	21.4										
26							21.7	21.7										
27							22.8	22.8										
28				17.0	17.0		21.7	21.7										
29							21.2	21.2		5.8	5.8							
30							20.4	20.4		10.1	10.1							
31							20.9	20.9										
Total				17.0	17.0		670.0	670.0		437.7	437.7		169.2	149.1	20.1			
Acre-feet					34			1329			868			336				
Priority Diverted					34			1329			868			296				
Apport Diverted														40				
Apport diverted to date														40				40
TBI acreage	1877.19			1900.59			1865.39		1866.39			1866.39						1912.39
Apportioned	1014			1026			1007		8735			8735						8950
Duty				0.02			0.71		0.47			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																			
2																			
3																			
4																			
5																			
6																			
7				1.2		1.2	0.2		0.2										
8				2.7		2.7	2.9		2.9										
9				2.3		2.3	1.9		1.9										
10				0.2		0.2	2.0		2.0										
11				2.7		2.7	0.5		0.5										
12				0.4		0.4	1.4		1.4										
13				0.0		0.0	0.2		0.2										
14				1.5		1.5													
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																1.0	1.0		
30				0.9		0.9									1.6	1.6			
31															2.3	2.3			
Total				11.9		11.9	9.8		9.8							4.9	4.9		
Acre-feet					24			19									10		2,620
Priority Diverted					24			19									10		2,537
Apport Diverted																			83
Apport diverted to date																			83
TBI acreage	1912.39			1904.69			1904.69		1897.49			1897.49							1,897.49
Apportioned	8950			8914			8914		8880			8880							8880
Duty				0.01			0.01												1.38

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

2019

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										23.0	23.0							
2										23.0	23.0							
3										23.0	23.0							
4							17.5	17.5		23.0	23.0							
5							23.0	23.0		23.0	23.0							
6							23.0	23.0		23.0	23.0							
7							23.0	23.0		23.0	23.0							
8							23.0	23.0		23.0	23.0							
9							23.0	23.0		23.0	23.0							
10							23.0	23.0		23.0	23.0							
11							23.0	23.0		23.0	23.0							
12							23.0	23.0		23.0	23.0							
13							23.0	23.0		23.0	23.0							
14							23.0	23.0		23.0	23.0							
15							23.0	23.0		23.0	23.0							
16							23.0	23.0		23.0	21.0							2.0
17							23.0	23.0		23.0	20.2							2.8
18							23.0	23.0		23.0	23.0							
19							23.0	23.0		23.0	23.0							
20							23.0	23.0		23.0	23.0							
21							23.0	23.0		23.0	20.2							2.8
22							23.0	23.0		23.0	23.0							
23							23.0	23.0		21.9	21.9							
24							23.0	23.0		22.5	22.5							
25							23.0	23.0		23.3	23.3							
26							23.0	23.0		23.2	23.2							
27							23.0	23.0		23.4	23.4							
28							23.0	23.0		23.4	23.4							
29							23.0	23.0		9.6	9.6							
30							23.0	23.0										
31							23.0	23.0										
Total							638.5	638.5		653.3	645.7	7.6						
Acre-feet									1,266		1,296							
Priority Diverted									1,266		1,281							
Apport Diverted											15							
Apport diverted to date											15			15			15	
TBI acreage		1,646.30			1,839.40			1,839.40		1,839.40	1,839.40			1,839.40			1,839.40	
Apportioned		889			993			993		8,608	8,608			8,608			8,608	
Duty								0.69			0.70							

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1																			
2																			
3																			
4																			
5																			
6																			
7					1.1			1.1											
8					1.4			1.4											
9					1.4			1.4											
10					1.4			1.4											
11					1.4			1.4											
12					1.4			1.4											
13					0.5			0.5											
14					1.4			1.4											
15																			
16																			
17																			
18																			
19																			
20																			
21																			
22																			
23																			
24																			
25																			
26																			
27																			
28																			
29																	4.1	4.1	
30					1.4			1.4									6.3	6.3	
31																	2.4	2.4	
Total					11.4			11.4									12.8	12.8	
Acre-feet						23											25	25	2,610
Priority Diverted																	25	25	2,572
Apport Diverted						23													38
Apport diverted to date						38				38				38					38
TBI acreage		1,858.90			1,858.90			1,858.90		1,851.60			1,851.60		1,851.60			1,851.60	1,851.60
Apportioned		8,700			8,700			8,700		8,665			8,665		8,665			8,665	8,665
Duty						0.01											0.01	0.01	1.41

2019

CURTIS CANAL: 1,971.70 Acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1										20.0	20.0		19.4	19.4		14.2		14.2
2							18.4	18.4		20.0	20.0		19.6	19.6		11.3		11.3
3							17.8	17.8		19.9	19.9		19.5	19.5		8.8		8.8
4							19.3	19.3		19.5	19.5		18.3	18.3		7.2		7.2
5							20.0	20.0		19.5	19.5		18.9	18.9		6.7		6.7
6							19.4	19.4		19.2	19.2		19.0	19.0		4.9		4.9
7							19.3	19.3		18.8	18.8		19.3	16.5	2.8	6.6		6.6
8							19.2	19.2		19.7	19.7		18.1		18.1	8.9		8.9
9							17.7	17.7		16.1	16.1		19.2	3.9	15.3	8.4		8.4
10							18.7	18.7		20.0	20.0		18.7	3.9	14.8	8.7		8.7
11							17.0	17.0		19.2	19.2		19.9		19.9	9.7		9.7
12							17.4	17.4		19.3	19.3		18.8		18.8	8.4		8.4
13							19.2	19.2		18.0	18.0		18.7	18.7		9.1		9.1
14							17.1	17.1		18.4	18.4		19.9		19.9	9.0		9.0
15							19.2	19.2		19.4	19.4		18.9		18.9	8.3		8.3
16							19.6	19.6		20.0	19.4	0.6	17.4		17.4	8.6		8.6
17							17.9	17.9		19.2	19.2		19.4		19.4	9.8		9.8
18							19.1	19.1		19.9	19.9		19.1		19.1	10.7		10.7
19							19.4	19.4		19.6	19.6		18.5		18.5	10.8		10.8
20							19.6	19.6		19.9	19.9		17.5		17.5	10.5		10.5
21							19.8	19.8		20.0	19.4	0.6	16.7		16.7	10.3		10.3
22							19.7	19.7		19.7	19.7		17.4		17.4	9.9		9.9
23							19.6	19.6		19.9	19.9		15.8		15.8	8.8		8.8
24							19.8	19.8		19.8	19.8		16.6		16.6	9.0		9.0
25							19.6	19.6		19.6	19.6		16.8		16.8	11.6		11.6
26							19.6	19.6		19.7	19.7		19.2		19.2	8.6		8.6
27							19.3	19.3		19.7	19.7		18.8		18.8	9.7		9.7
28							19.0	19.0		19.9	19.9		19.0		19.0	6.0		6.0
29							19.4	19.4		19.2	19.2		18.1		18.1	2.7		2.7
30							19.2	19.2		19.5	19.5		17.3		17.3	4.9		4.9
31							18.9	18.9						177.2				
Total							569.2	569.2		582.6	581.4	1.2	573.3	177.2	396.1	262.1		262.1
Acre-feet										1,129			1,156		1,137		520	
Priority Diverted								1,129			1,153			351				
Apport Diverted											2			786		520		
Apport diverted to date											2			788		1,308		
TBI acreage		1,536.24			1,588.24				1,596.64		1,596.64		1,597.94		1,597.94		1,597.94	
Apportioned		830			858				862		7,472		7,478		7,478		7,478	
Duty									0.71		0.72		0.71		0.71		0.33	

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	6.1		6.1	12.8		12.8	5.3		5.3	12.9	12.9								
2	4.8		4.8	8.4		8.4	4.5		4.5	12.4	3.9	8.5							
3	1.5		1.5	11.4		11.4	3.7		3.7	12.3	3.9	8.4							
4	1.3		1.3	14.2		14.2	3.1		3.1	10.0	10.0								
5	4.7		4.7	9.4		9.4	3.9		3.9	11.7	11.7								
6	4.7		4.7	19.7		19.7	4.3		4.3	14.1	12.6	1.5							
7	3.7		3.7	15.1		15.1	3.8		3.8	13.4	3.9	9.5							
8	3.5		3.5	12.1		12.1				13.0	10.5	2.5							
9	3.4		3.4	6.8		6.8	2.9		2.9	12.3	3.9	8.4							
10	3.0		3.0	4.2		4.2	5.6		5.6	10.2	1.1	9.1							
11	2.1		2.1	11.7		11.7	3.2		3.2	10.5		10.5							
12	1.7		1.7	7.9		7.9	0.9		0.9	11.5	3.9	7.6							
13	5.0		5.0	2.1		2.1	1.1		1.1	11.2		11.2							
14	4.6		4.6	1.8		1.8	3.8		3.8	11.2	3.9	7.3							
15	4.1		4.1	2.4		2.4	11.2		11.2	11.1	0.3	10.8							
16	4.5		4.5	1.5		1.5	20.7		20.7	11.2	11.2								
17	4.4		4.4	4.2		4.2	10.2		10.2	7.8		7.8							
18	4.5		4.5	10.5		10.5													
19	4.1		4.1	12.1		12.1	12.6		12.6										
20	4.0		4.0	10.6		10.6	19.1		19.1										
21	4.5		4.5	7.1		7.1	4.0		4.0										
22	4.0		4.0	7.0		7.0													
23	2.3		2.3	10.2		10.2													
24	3.7		3.7	11.0		11.0													
25	2.0		2.0	10.5		10.5													
26	2.8		2.8	4.8		4.8													
27	1.4		1.4	6.9		6.9													
28	1.6		1.6	4.3		4.3													
29	1.4		1.4	12.1		12.1													
30	4.6		4.6	7.7		7.7													
31	2.0		2.0	6.5		6.5													
Total	106.0		106	267.0		267	123.9	22.8	101.1	196.8	93.7	103.1					57.3	57.3	
Acre-feet		210			530				246		390						114		5,431
Priority Diverted									45		186						114		2,978
Apport Diverted			210		530				201		204								2,453
Apport diverted to date		1,518			2,048				2,249		2,453			2,453					2,453
TBI acreage		1,597.94			1,597.94				1,597.94		1,597.94		1,597.94		1,597.94				1,597.94
Apportioned		7,478			7,478				7,478		7,478		7,478		7,478				7,478
Duty		0.13			0.33				0.15		0.24								0.07

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

Record Good

2019

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	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport
1										15.3	15.3				6.5		6.5	
2										14.8	14.8				5.1		5.1	
3										14.4	14.4				4.9		4.9	
4										14.3	14.3				5.0		5.0	
5										14.7	14.7				6.1		6.1	
6										14.7	14.7				6.3		6.3	
7										14.8	14.8		8.7	5.7	3.0	5.4		5.4
8										14.6	14.6		11.8	0.5	11.3	4.1		4.1
9										14.5	14.5		13.5	1.3	12.2	3.4		3.4
10										10.6	10.6		13.4	1.3	12.1	3.4		3.4
11										9.3	9.3		13.3	0.5	12.8	4.0		4.0
12										9.4	9.4		13.5		13.5	4.0		4.0
13										9.4	9.4		13.7	13.7		2.9		2.9
14										9.2	9.2		13.7		13.7	2.1		2.1
15										8.8	8.8		13.6		13.6	1.2		1.2
16										7.4	7.4		13.4		13.4	0.9		0.9
17										7.4	7.4		13.4		13.4	0.8		0.8
18							10.5	10.5		7.4	7.4		13.3		13.3	3.3		3.3
19							15.8	15.8		7.4	7.4		13.3		13.3	5.6		5.6
20							15.5	15.5		4.2	4.2		13.4		13.4	2.8		2.8
21							15.4	15.4					13.3		13.3	5.2		5.2
22							14.6	14.6					13.6		13.6	6.7		6.7
23							14.7	14.7					12.9		12.9	8.7		8.7
24							14.2	14.2					9.3		9.3	5.7		5.7
25							14.4	14.4					4.8		4.8	5.6		5.6
26							15.4	15.4					7.1		7.1	5.2		5.2
27							15.1	15.1					7.5		7.5	5.9		5.9
28							14.7	14.7					6.4		6.4	5.6		5.6
29							14.7	14.7					5.6		5.6	4.8		4.8
30							14.7	14.7					6.5		6.5	4.4		4.4
31							14.7	14.7										
Total							204.4	204.4		222.6	222.6		269.0	23.0	246.0	135.6		135.6
Acre-feet										405			442		534			269
Priority Diverted										405			442		46			
Apport Diverted															488			269
Apport diverted to date															488			757
TBI acreage		1271.43			1283.03			1287.03			1261.13			1261.13				1261.13
Apportioned		687			693			695			5902			5902				5902
Duty								0.31			0.35			0.42				0.21

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1	1.9		1.9	12.0		12.0	0.2		0.2	3.9	3.9		8.6	8.6					
2	1.4		1.4	5.0		5.0	0.1		0.1	3.6	1.3	2.3	8.7	8.7					
3	1.4		1.4	1.0		1.0	0.4		0.4	3.1	1.3	1.8	8.4	8.4					
4	1.9		1.9	1.5		1.5	0.2		0.2	3.3	3.3		8.5	8.5					
5	1.3		1.3	5.9		5.9	0.4		0.4	3.7	3.7		8.4	8.4					
6	1.6		1.6	10.1		10.1	0.7		0.7	3.4	2.0	1.4	8.3	8.3					
7	3.2		3.2	6.1		6.1	3.0		3.0	3.6	1.3	2.3	5.4	5.4					
8	4.8		4.8	4.4		4.4	11.3		11.3	2.0	2.0								
9	1.6		1.6	4.1		4.1	4.6		4.6										
10	2.0		2.0	4.5		4.5	1.7		1.7										
11	4.4		4.4	12.6		12.6	3.9		3.9										
12	4.6		4.6	7.7		7.7	0.3		0.3										
13	2.8		2.8	2.4		2.4													
14	2.1		2.1	1.4		1.4	11.5		11.5	5.2	1.3	3.9							
15	0.8		0.8	2.5		2.5	12.7		12.7	6.3	0.5	5.8							
16	0.3		0.3	4.3		4.3	14.2		14.2	6.0	2.5	3.5							
17				5.1		5.1	14.9		14.9	6.4		6.4							
18	0.3		0.3	2.3		2.3	14.2		14.2	9.0		9.0							
19	0.4		0.4	2.0		2.0	14.2	6.4	7.8	9.3	0.2	9.1							
20	0.9		0.9	1.6		1.6	14.2		14.2	9.1		9.1							
21	0.9		0.9	1.6		1.6	14.2		14.2	9.2		9.2							
22	1.0		1.0	1.8		1.8	13.2		13.2	9.2		9.2							
23	0.5		0.5	1.3		1.3	13.1		13.1	4.7		4.7							
24	0.9		0.9	3.2		3.2	13.1	2.5	10.6	6.5		6.5							
25	0.8		0.8	2.0		2.0	13.1		13.1	7.3		7.3							
26	0.7		0.7	0.7		0.7	11.1	11.1		7.8	2.0	5.8							
27	0.3		0.3				5.7	5.7		8.4		8.4							
28	1.8		1.8				5.6	5.6		8.2	8.2								
29	1.4		1.4	0.5		0.5	5.6	5.6		8.3	8.3								
30	9.5		9.5	0.4		0.4	4.7	4.7		8.6	8.6								
31	11.4		11.4							8.6	8.6								
Total	66.9		66.9	108.0		108.0	222.1	69.6	152.5	164.7	59.0	105.70	56.3	56.3					
Acre-feet		133			214			441		327			112					2,876	
Priority Diverted								138		117			112					1,260	
Apport Diverted		133			214			302		210								1,616	
Apport diverted to date		890			1104			1406		1616			1616					1,616	
TBI acreage		1281.33			1278.23			1278.23		1278.23			1278.23					1,278.23	
Apportioned		5997			5982			5982		5982			5982					5,982	
Duty		0.10			0.17			0.35		0.26			0.09					2.25	

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

2019

COLVIN-JONES CANAL: 205.90 Acres

Mean daily diversions, cubic feet per second

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

DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals
	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	Total	Priority	Apport	
1																			
2																			
3																			
4																			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
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23																			
24																			
25																			
26																			
27																			
28																			
29																			
30																			
31																			
Total																			
Acre-feet																			
Priority Diverted																			
Apport Diverted																			
Appor diverted to date																			
TBI acreage																			
Apportioned																			
Duty																			

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

2019

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																								
12																								
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17																								
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19																								
20																								
21																								
22																								
23																								
24																								
25																								
26																								
27																								
28																								
29																								
30																								
31																								
Total																								
Acre-feet Diverted to date TBI Acreage Duty									71.0			71.0	71.0			71.0	71.0			71.0	71.0			71.0

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																									
12																									
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19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
Total																									
Acre-feet Diverted to date TBI Acreage Duty	71.0			71.0	71.0			71.0	71.0			71.0	71.0			71.0	71.0			71.0	71.0			71.0	

2019

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	15.4	12.9	10.0	14.4	14.7	10.9	17.7	15.7	17.6	12.4	4.0	6.6
2	14.1	14.4	11.0	5.8	14.1	15.6	17.2	18.5	15.5	13.8	7.7	11.4
3	10.3	13.4	11.3	13.3	13.9	18.5	14.2	19.4	15.5	16.3	3.8	9.0
4	5.4	9.3	10.3	10.7	15.2	12.5	13.0	21.1	15.7	18.3	1.4	6.4
5	10.5	10.0	9.4	11.5	12.9	10.2	16.2	20.7	13.7	17.2	6.5	5.7
6	7.1	11.8	9.2	9.8	15.3	10.5	13.4	15.6	16.6	17.9	6.8	0.7
7	8.1	10.2	12.9	14.2	13.9	14.2	16.5	16.4	15.7	14.5	2.5	0.7
8	11.7	9.5	14.1	11.7	12.5	15.5	17.4	16.4	15.3	13.9	6.2	0.5
9	13.2	11.1	10.9	15.5	14.3	19.0	14.6	15.9	15.0	8.9	3.5	5.7
10	11.8	11.5	10.7	11.4	15.8	14.4	15.8	13.0	15.4	10.9	0.5	6.4
11	8.3	12.1	13.3	11.7	15.2	11.9	15.7	12.3	15.1	10.9	7.5	6.4
12	8.5	10.4	12.8	11.5	16.1	6.8	15.8	14.8	16.1	14.5	5.4	6.4
13	8.5	11.2	7.5	11.7	13.4	10.1	15.5	8.2	17.6	15.2	8.0	6.5
14	10.0	16.1	12.8	11.0	17.0	10.7	15.8	5.7	16.6	13.3	7.2	3.3
15	12.8	11.6	8.9	10.4	17.0	12.3	15.5	10.4	17.0	11.7	6.6	6.2
16	14.8	13.6	12.5	10.6	17.2	8.6	12.7	12.2	16.2	11.0	7.1	6.1
17	14.7	14.6	13.4	11.0	16.4	12.8	14.3	17.0	11.4	9.3	7.2	6.3
18	11.7	14.9	12.2	9.9	12.3	10.8	16.6	15.6	10.7	2.8	6.4	6.3
19	14.5	14.8	11.8	11.5	11.5	11.2	17.1	15.1	7.9	2.3	7.0	6.7
20	15.1	11.9	14.6	13.0	15.3	11.1	15.5	14.3	10.8	9.2	6.7	8.0
21	13.8	10.9	14.9	11.9	15.5	11.7	12.7	12.9	13.0	2.7	6.8	6.8
22	12.2	11.0	15.6	11.7	15.7	14.4	15.0	12.2	12.4	6.8	6.7	6.6
23	9.7	11.5	14.9	8.2	15.7	15.8	18.0	13.8	12.3	2.7	6.9	6.7
24	10.7	11.9	13.9	11.7	13.4	15.6	19.1	14.0	12.5	1.1	6.7	6.3
25	10.2	13.1	12.0	11.2	10.8	15.7	17.9	12.8	13.6	5.4	6.5	3.6
26	8.8	10.9	11.1	15.1	11.2	16.8	15.3	12.9	12.8	6.4	6.6	6.7
27	9.0	12.1	12.9	17.9	10.2	17.3	16.2	12.4	13.8	0.6	7.0	6.3
28	14.4	13.4	14.9	18.0	10.0	19.0	16.3	12.7	14.3	0.9	5.9	3.7
29	15.0		15.0	15.2	10.5	17.4	13.6	15.3	13.6	7.3	6.1	6.8
30	10.3		9.7	17.0	10.2	17.3	14.1	19.0	12.5	5.8	6.5	2.8
31	9.8		12.5		9.6		16.6	18.7		2.1		1.7
Total CFS	350.4	340.1	377.0	368.5	426.8	408.6	485.3	455.0	426.2	286.1	177.7	173.3
Total Acre-Feet	695	675	748	731	847	810	963	902	845	567	352	344
<u>ASARCO Reported Ac-ft.</u>												
Reported	695	675	748	731	847	811	962	902	845	568	352	344
Reported Year-to-Date	695	1,370	2,118	2,849	3,696	4,507	5,469	6,371	7,216	7,784	8,136	8,480
<u>Tabulations in Ac-ft</u>												
Allocation diverted	695	675	748	731	847	810	963	902	845	567	352	344
Previous Alloc. Div		695	1,370	2,118	2,849	3,696	4,506	5,469	6,371	7,216	7,783	8,135
Alloc. Div to date	695	1,370	2,118	2,849	3,696	4,506	5,469	6,371	7,216	7,783	8,135	8,479
Article IX Allocation	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221	16,221
Allocation Remaining	15,526	14,851	14,103	13,372	12,525	11,715	10,752	9,850	9,005	8,438	8,086	7,742

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

2019

Kearny Arizona: 101.73 acres

Mean daily diversions, cubic feet per second

DAY	JAN			FEB			MAR			APR			MAY			JUN		
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.
1	0.12	0.12		0.09	0.09		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
2	0.12	0.12		0.09	0.09		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
3	0.12	0.12		0.09	0.09		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
4	0.12	0.12		0.09	0.09		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
5	0.11	0.11		0.09	0.09		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
6	0.11	0.11		0.10	0.10		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
7	0.11	0.11		0.10	0.10		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
8	0.11	0.11		0.10	0.10		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
9	0.11	0.11		0.10	0.10		0.14	0.14		0.29	0.29		0.33	0.33		0.43		0.43
10	0.11	0.11		0.10	0.10		0.14	0.14		0.28	0.28		0.33	0.33		0.43		0.43
11	0.11	0.11		0.10	0.10		0.14	0.14		0.28	0.28		0.33	0.30	0.03	0.43		0.43
12	0.11	0.11		0.10	0.10		0.14	0.14		0.28	0.28		0.33	0.30	0.03	0.43		0.43
13	0.11	0.11		0.10	0.10		0.14	0.14		0.28	0.28		0.33	0.30	0.03	0.43		0.43
14	0.11	0.11		0.10	0.10		0.14	0.14		0.28	0.28		0.33	0.10	0.23	0.43		0.43
15	0.11	0.11		0.10	0.10		0.14	0.14		0.28	0.28		0.33		0.33	0.43		0.43
16	0.11	0.11		0.10	0.10		0.14	0.14		0.28	0.28		0.33	0.33		0.43		0.43
17	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32	0.32		0.43		0.43
18	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.43		0.43
19	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.43		0.43
20	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.43		0.43
21	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.43		0.43
22	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32	0.32		0.43		0.43
23	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.43		0.43
24	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
25	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
26	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
27	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
28	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
29	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
30	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
31	0.11	0.11		0.10	0.10		0.15	0.15		0.28	0.28		0.32		0.32	0.42		0.42
Total	3.5	3.5		2.8	2.8		4.5	4.5		8.5	8.5		10.1	5.0	5.1	12.8		12.8
Acre-feet		7			5			9			17			20			25	
Priority Diverted		7			5			9			17			10				
Apport Diverted														10			25	
Apport Diverted to date														10			35	
TBI Acreage		101.73			101.73			101.73			101.73			101.73			101.73	
Apportioned		55			55			55			476			476			476	
Duty		0.07			0.05			0.09			0.17			0.20			0.25	

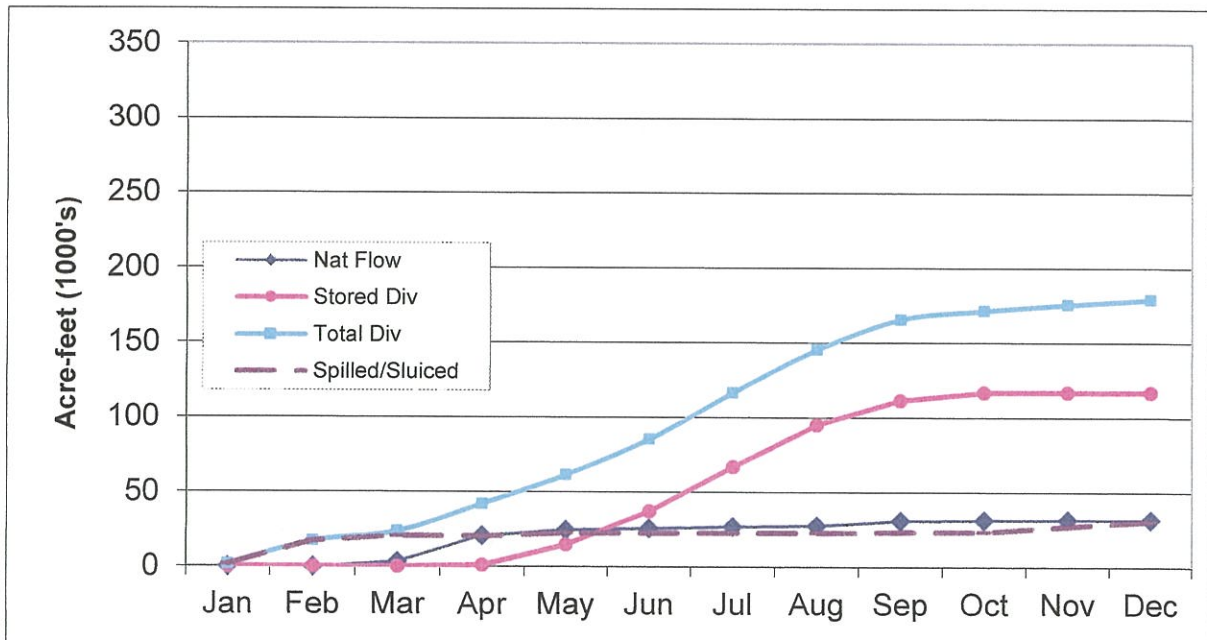
DAY	JUL			AUG			SEP			OCT			NOV			DEC			Totals	
	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.	Total	Priority	Apport.		
1	0.47		0.47	0.47		0.47	0.35		0.35	0.38	0.38		0.24	0.24		0.21	0.21			
2	0.47		0.47	0.47		0.47	0.35		0.35	0.38	0.38		0.24	0.24		0.21	0.21			
3	0.47		0.47	0.47		0.47	0.35		0.35	0.38	0.38		0.24	0.24		0.21	0.21			
4	0.47		0.47	0.47		0.47	0.35		0.35	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
5	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
6	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.38		0.24	0.24		0.21	0.21			
7	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.38		0.24	0.24		0.21	0.21			
8	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.38		0.24	0.24		0.21	0.21			
9	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
10	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.38		0.24	0.24		0.21	0.21			
11	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
12	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
13	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
14	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
15	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.38		0.24	0.24		0.21	0.21			
16	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
17	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.30	0.08	0.24	0.24		0.21	0.21			
18	0.47		0.47	0.47		0.47	0.34		0.34	0.38	0.38		0.24	0.24		0.21	0.21			
19	0.47		0.47	0.47		0.47	0.34	0.34		0.38	0.38		0.38	0.24	0.24		0.21	0.21		
20	0.47		0.47	0.47		0.47	0.34		0.34	0.38		0.38	0.24	0.24		0.21	0.21			
21	0.47		0.47	0.47		0.47	0.34	0.34		0.38		0.38	0.24	0.24		0.21	0.21			
22	0.47		0.47	0.47		0.47	0.34		0.34	0.39		0.39	0.24	0.24		0.21	0.21			
23	0.47		0.47	0.47		0.47	0.34		0.34	0.39		0.39	0.24	0.24		0.21	0.21			
24	0.47		0.47	0.47		0.47	0.34		0.34	0.39		0.39	0.24	0.24		0.21	0.21			
25	0.47		0.47	0.47		0.47	0.34		0.34	0.39		0.39	0.24	0.24		0.21	0.21			
26	0.46		0.46	0.47		0.47	0.34	0.34		0.39		0.39	0.24	0.24		0.21	0.21			
27	0.46		0.46	0.47		0.47	0.34	0.34		0.39		0.39	0.24	0.24		0.22	0.22			
28	0.46		0.46	0.47		0.47	0.34	0.34		0.39		0.39	0.24	0.24		0.22	0.22			
29	0.46		0.46	0.47		0.47	0.34	0.34		0.39		0.39	0.25	0.25		0.22	0.22			
30	0.46		0.46	0.47		0.47	0.34	0.34		0.39	0.39		0.25	0.25		0.22	0.22			
31	0.46		0.46	0.47		0.47	0.34	0.34		0.39	0.39		0.25	0.25		0.22	0.22			
Total	14.5		14.5	14.6		14.6	10.2	2.4	7.9	11.9	6.9	5.0	7.2	7.2		6.6	6.6			
Acre-feet		29			29			20			24			14			13		212	
Priority Diverted								5			14			14			13		95	
Apport Diverted								16			10								119	
Apport diverted to date								109			119			119			119		119	
TBI Acreage		101.73			101.73			101.73			101.73			101.73			101.73		101.73	
Apportioned		476			476			476			476			476			476		476	
Duty		0.29			0.29			0.20			0.24			0.14			0.13		2.10	

2019

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				17,048	17,048
Mar	3,179		3,179	23,512	20,333
Apr	20,720	942	21,662	41,995	20,333
May	24,461	14,632	39,093	61,421	22,328
Jun	25,715	37,220	62,935	85,263	22,328
Jul	26,836	67,002	93,838	116,400	22,562
Aug	27,606	95,017	122,623	145,258	22,635
Sep	30,990	111,321	142,311	165,541	23,230
Oct	31,455	116,642	148,097	171,396	23,299
Nov	31,560	116,641	148,201	175,427	27,226
Dec	31,560	116,641	148,201	178,866	30,665
Graph:	Nat Flow Div	Stored Div		Total Div	Spill/Sluice



2019

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

FEBRUARY
T. B. I. 31,118.29 Acres

MARCH
T. B. I. 31,995.45 Acres

2019	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
1			20	
2			20	
3			15	
4			15	
5			10	
6			10	
7			20	
8			80	
9			70	
10			70	
11			20	
12			20	
13			15	
14			10	
15			20	
16			10	
17			10	
18			10	
19			10	
20			70	
21			60	
22			50	
23			50	
24			20	
25			10	
26			10	
27			10	
28			10	
29			10	
30			10	
31			5	
Total			770	
Ac-Ft			1527	
To Date			1527	
Duty				

	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
			5	
			55	
			60	
			40	
			30	
			120	
			70	
			110	
			55	
			30	
			25	
			20	
			15	
			15	
			15	
			1370	
			1650	
			340	
			130	
			90	
			75	
			65	
			520	
			1110	
			535	
			440	
			460	
			375	
			7825	
			15521	
			17048	

	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
			200	
			95	
			55	
			60	
			45	
			45	
			40	
			40	
			35	
			35	
			30	
			30	
			35	
			75	
			120	
			90	
			50	
			45	
			40	
			35	
			30	
			30	
			1	
			42	
			212	
			212	
			217	
			221	
			225	
			227	
			228	
			230	
			1603	
			3179	
			3179	
			0.10	
			1656	
			3285	
			20333	

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...

2019

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

2019	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
1	257	257		
2	310	310		
3	335	335		
4	335	335		
5	336	336		
6	337	337		
7	335	335		
8	338	338		
9	343	343		
10	341	341		
11	343	343		
12	359	359		
13	405	405		
14	408	408		
15	407	407		
16	405	10	395	
17	397	29	368	
18	378	40	338	
19	375	59	316	
20	361	53	308	
21	339	58	281	
22	336	75	261	
23	329	63	266	
24	316	53	263	
25	312	17	295	
26	309	18	291	
27	226		226	
28	47		47	
29				
30				
31				
Total	9319	475	8844	
Ac-Ft	18483	942	17541	
To Date	21662	942	20720	20333
Duty	0.61			

MAY

T. B. I. 34,244.09 Acres

	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
			15	
			10	
			10	
			10	
			10	
	138	138	10	
	275	180	95	
	295	189	106	
	333	249	84	
	383	290	93	
	347	296	51	150
	411	297	114	
	136	136	266	
			400	
	162	162	125	
	381	282	99	
	392	288	104	
	398	295	103	
	402	302	100	
	404	306	98	
	407	311	96	
	406	314	92	
	406	314	92	
	407	318	89	
	405	321	84	
	403	331	72	
	403	338	65	
	405	342	63	
	396	330	66	
	358	291	67	
	335	282	53	
	8788	6902	1886	1006
	17431	13690	3741	1995
	39093	14632	24461	22328
	1.14			

JUNE

T. B. I. 35,043.48 Acres

	Diverted		Passing Dam	
	Total	Natural Flow	Spill	Sluice
	330	284	46	
	328	287	41	
	326	290	36	
	325	292	33	
	324	294	30	
	322	293	29	
	322	296	26	
	320	296	24	
	319	297	22	
	319	298	21	
	341	341		
	403	403		
	445	430	15	
	450	428	22	
	449	416	33	
	451	423	28	
	451	423	28	
	450	424	26	
	449	422	27	
	450	424	26	
	451	426	25	
	450	425	25	
	449	426	23	
	450	426	24	
	449	427	22	
	446	446		
	437	437		
	433	433		
	432	432		
	449	449		
Total	12020	11388	632	
Ac-Ft	23842	22588	1254	
To Date	62935	37220	25715	22328
Duty	1.80			

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

2019

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

2019	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spill	Sluice	
1	471	471		20		
2	486	475	11	12		
3	494	479	15	5		
4	494	479	15	5		
5	495	482	13	5		
6	495	483	12	3		
7	498	482	16	5		
8	499	482	17	5		
9	502	482	20	5		
10	499	482	17	5		
11	495	495		5		
12	493	482	11	5		
13	493	482	11	5		
14	490	472	18	5		
15	482	469	13	10		
16	484	451	33	15		
17	493	466	27			
18	496	466	30			
19	497	467	30			
20	496	467	29			
21	500	485	15			
22	508	492	16			
23	519	502	17			
24	536	512	24			
25	534	512	22			
26	535	514	21			
27	526	504	22			
28	516	497	19	3		
29	515	499	16			
30	513	498	15			
31	526	486	40			
Total	15580	15015	565	118		
Ac-Ft	30903	29782	1121	234		
To Date	93838	67002	26836	22562		
Duty	2.88					

AUGUST

T. B. I. 32,584.94 Acres

2019	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spill	Sluice	
1	443	398	45			
2	415	392	23			
3	449	437	12			
4	452	439	13			
5	450	440	10			
6	454	438	16			
7	455	439	16			
8	451	438	13			
9	464	458	6			
10	484	472	12			
11	488	473	15			
12	490	467	23			
13	483	451	32			
14	481	471	10			
15	479	473	6			
16	477	473	4			
17	476	474	2			
18	473	473				
19	477	477		12		
20	483	483		20		
21	483	483		2		
22	490	490		1		
23	489	489		1		
24	487	487		1		
25	479	471	8			
26	467	465	2			
27	490	454	36			
28	448	441	7			
29	446	420	26			
30	466	420	46			
31	443	438	5			
Total	14512	14124	388	37		
Ac-Ft	28785	28015	770	73		
To Date	122623	95017	27606	22635		
Duty	3.76					

SEPTEMBER

T. B. I. 32,584.94 Acres

2019	Diverted			Passing Dam		
	Total	Stored	Natural Flow	Spill	Sluice	
1	433	424	9			
2	428	419	9			
3	421	418	3			
4	417	417				
5	414	414				
6	406	403	3			
7	392	392				
8	388	388				
9	390	351	39			
10	400	356	44			
11	357	346	11			
12	346	345	1			
13	342	342				
14	336	336				
15	302	302		100		
16	326	326		25		
17	334	334		20		
18	355	40	315	25		
19	325	158	167	30		
20	308	248	60	25		
21	319	243	76	20		
22	318	260	58	10		
23	322	280	42	20		
24	265	156	109	10		
25	163	96	67			
26	228	93	135			
27	355	86	269	15		
28	263	83	180			
29	153	81	72			
30	120	83	37			
Total	9926	8220	1706	300		
Ac-Ft	19688	16304	3384	595		
To Date	142311	111321	30990	23230		
Duty	4.37					

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

2019

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

NOVEMBER

T. B. I. 27,322.18 Acres

DECEMBER

T. B. I. 27,322.18 Acres

2019	Diversed			Passing Dam		
	Total	Stored	Natural Flow	Spilled	Sluice	
1	114	91	23			
2	109	95	14			
3	107	97	10			
4	105	99	6			
5	102	99	3			
6	101	99	2			
7	99	99				
8	98	98				
9	96	96				
10	95	95				
11	94	94				
12	93	93				
13	93	93				
14	94	94				
15	98	98				
16	117	117				
17	118	118				
18	119	119				
19	119	119				
20	121	121				
21	121	121				
22	122	122				
23	122	122				
24	122	122				
25	119	119				
26	110	43	67	5		
27	54		54			
28	24		24	10		
29	14		14	10		
30	10		10	10		
31	8		8			
Total	2917	2683	234	35		
Ac-Ft	5786	5321	465	69		
To Date	148097	116642	31455	23299		
Duty	5.42					

2019	Diversed			Passing Dam		
	Total	Stored	Natural Flow	Spilled	Sluice	
1	7		7	25		
2	6		6	20		
3	5		5	15		
4	5		5	10		
5	4		4	10		
6	5		5	10		
7	4		4	10		
8	4		4	10		
9	3		3	10		
10	3		3	10		
11	1		1	10		
12	1		1	10		
13	-1		-1	10		
14	1		1	10		
15	0		0	10		
16				10		
17				10		
18				10		
19				10		
20				40		
21				80		
22	4		4	150		
23				50		
24				20		
25	1		1	15		
26				10		
27	1		1	10		
28	0		0	550		
29				825		
30						
31						
Total	52	-1	53	1980		
Ac-Ft	104	-1	105	3927		
To Date	148201	116641	31560	27226		
Duty	5.42					

2019	Diversed			Passing Dam		
	Total	Stored	Natural Flow	Spilled	Sluice	
1				438		
2				168		
3				93		
4				65		
5				51		
6				43		
7				37		
8				33		
9				31		
10				70		
11				96		
12				57		
13				43		
14				34		
15				28		
16				35		
17				23		
18				21		
19				21		
20				20		
21				20		
22				19		
23				18		
24				18		
25				17		
26				17		
27				17		
28				43		
29				65		
30				52		
31				41		
Total	148201	116641	31560	1734		
Ac-Ft	3439			3439		
To Date	30665			30665		
Duty	5.42					

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

DETERMINATION OF PRIORITY WATER

JANUARY 2019

Mean daily discharge - cubic feet per second

2019	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				Version 7.08	
	River Inflow	RELEASES		STORAGE	Sluiced and/or Spilled	Diverted		Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR			
		Total	Natural Flow	Stored		JAN	Stored				Natural Flow	Duncan Virden		Safford
DEC 31	144	144	181	181	1	20	20	164	20	164	JAN	1924	1924	1924
JAN 1	152	152	288	288	2	20	20	172	20	172	2	"	"	"
2	156	156	269	269	3	15	15	171	15	171	3	"	"	"
3	157	157	377	377	4	15	15	172	15	172	4	"	"	"
4	159	159	254	254	5	10	10	169	10	169	5	"	"	"
5	157	157	298	298	6	10	10	167	10	167	6	"	"	"
6	160	160	279	279	7	20	20	180	20	180	7	"	"	"
7	207	207	281	281	8	80	80	287	80	287	8	"	"	"
8	238	238	284	284	9	70	70	308	70	308	9	"	"	"
9	257	257	329	329	10	70	70	327	70	327	10	"	"	"
10	269	269	444	444	11	20	20	289	20	289	11	"	"	"
11	269	269	472	472	12	20	20	289	20	289	12	"	"	"
12	267	267	478	478	13	15	15	282	15	282	13	"	"	"
13	284	284	507	507	14	10	10	294	10	294	14	"	"	"
14	309	309	512	512	15	20	20	329	20	329	15	"	"	"
15	331	331	566	566	16	10	10	341	10	341	16	"	"	"
16	327	34	293	477	17	10	10	303	-24	303	17	"	"	"
17	308	55	254	458	18	10	10	264	-45	264	18	"	"	"
18	290	55	235	413	19	10	10	245	-45	245	19	"	"	"
19	279	21	258	441	20	70	70	328	49	328	20	"	"	"
20	274		274	470	21	60	60	334	60	334	21	"	"	"
21	270		270	499	22	50	50	320	50	320	22	"	"	"
22	270		270	453	23	50	50	320	50	320	23	"	"	"
23	266		266	483	24	20	20	286	20	286	24	"	"	"
24	260		260	410	25	10	10	270	10	270	25	"	"	"
25	256		256	465	26	10	10	266	10	266	26	"	"	"
26	247		247	442	27	10	10	257	10	257	27	"	"	"
27	242		242	420	28	10	10	252	10	252	28	"	"	"
28	239		239	423	29	10	10	249	10	249	29	"	"	"
29	231	38	193	346	30	10	10	203	-28	203	30	"	"	"
30	225	59	167	294	31	5	5	172	-54	172	31	"	"	"
31	216	59	158	268										

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

FEBRUARY 2019

Mean daily discharge - cubic feet per second

2019	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08	
	RELEASES		STORAGE		Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss	Nat. Flow Available to Project	COMPUTED		PRIORITY YEAR	
	River Inflow	Total	Natural Flow	Stored							Inflow Minus Outflow	Ac-ft change S C Res.	FEB	FEB
JAN 31	216	59	59	158	268	1	5	-54	163	1924	1924	1924	1924	
FEB 1	210	22	22	188	379	2	55	33	243	"	"	"	"	
2	203			203	571	3	60	60	263	"	"	"	"	
3	195			195	743	4	40	40	235	"	"	"	"	
4	208			208	444	5	30	30	238	"	"	"	"	
5	646			646	251	6	120	120	766	"	"	"	"	
6	612			612	958	7	70	70	682	"	"	"	"	
7	776			776	1203	8	110	110	886	"	"	"	"	
8	438			438	1135	9	55	55	493	"	"	"	"	
9	411			411	353	10	30	30	441	"	"	"	"	
10	393			393	1220	11	25	25	418	"	"	"	"	
11	364			364	301	12	20	20	384	"	"	"	"	
12	334			334	696	13	15	15	349	"	"	"	"	
13	315			282	672	14	15	-17.8	297	"	"	"	"	
14	307			280	926	15	15	-12	295	"	"	"	"	
15	2077			2077	874	16	1370	1370	3447	"	"	"	"	
16	1227			1227	3397	17	1650	1650	2877	"	"	"	"	
17	836			836	1651	18	340	340	1176	"	"	"	"	
18	999			999	2055	19	130	130	1129	"	"	"	"	
19	1049			1049	1788	20	90	90	1139	"	"	"	"	
20	937			937	1645	21	75	75	1012	"	"	"	"	
21	778			778	1598	22	65	65	843	"	"	"	"	
22	878			878	1145	23	520	520	1398	"	"	"	"	
23	1027			1027	1950	24	1110	1110	2137	"	"	"	"	
24	888			888	2375	25	535	535	1423	"	"	"	"	
25	879			879	1700	26	440	440	1319	"	"	"	"	
26	1037			1037	2052	27	460	460	1497	"	"	"	"	
27	995			995	2074	28	375	375	1370	"	"	"	"	
28	958			958	2058									

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

MARCH 2019

Mean daily discharge - cubic feet per second

2019 FEB 29 MAR	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08			
	RELEASES		STORAGE		Sluiced and/or Spilled		Natural Flow		Gain/Loss		COMPUTED PRIORITY YEAR		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	Nat. Flow Available to Project	Gain/Loss Nat. Flow	Duncan Virden	Safford	Winkelman	Ashurst-Hayden
	958	958			2058	200				200	1158	200	1924	1924	1924	1924
1	890	890	159		1924	95				95	985	95	"	"	"	"
2	862	862	234		1475	55				55	917	55	"	"	"	"
3	839	839	236		1564	60				60	899	60	"	"	"	"
4	852	852	236		1579	45				45	897	45	"	"	"	"
5	867	867	236		1634	45				45	912	45	"	"	"	"
6	842	842	236		1974	40				40	882	40	"	"	"	"
7	761	761	236		1179	40				40	801	40	"	"	"	"
8	704	704	236		1433	35				35	739	35	"	"	"	"
9	646	646	237		1114	35				35	681	35	"	"	"	"
10	633	633	237		1328	30				30	663	30	"	"	"	"
11	601	601	237		878	30				30	631	30	"	"	"	"
12	579	579	237		755	35				35	614	35	"	"	"	"
13	2700	2700	236		2667	75				75	2775	75	"	"	"	"
14	3078	3078	236		3528	120				120	3198	120	"	"	"	"
15	2163	2163	236		7825	90				90	2253	90	"	"	"	"
16	3412	3412	236		4772	50				50	3462	50	"	"	"	"
17	3228	3228	236		6889	45				45	3273	45	"	"	"	"
18	2579	2579	236		5718	40				40	2619	40	"	"	"	"
19	2254	2254	236		5040	35				35	2289	35	"	"	"	"
20	2108	2108	236		4437	30				30	2138	30	"	"	"	"
21	2039	2039	236		3860	25		1.12		1.12	2065	26.12	"	"	"	"
22	1855	159	236		3200	30					1726	-129	"	"	"	"
23	1653	234	236		2936	200		41.7		41.7	1661	7.7	"	"	"	"
24	1485	236	236		2485	50		212		212	1511	26	"	"	"	"
25	1351	236	236		2144	121		217		217	1453	102	"	"	"	"
26	1216	236	236		2938	80		221		221	1201	-15	"	"	"	"
27	1102	236	236		1568	866		225		225	1091	-11	"	"	"	"
28	983	236	236		242	747		227		227	974	-9	"	"	"	"
29	912	237	237		2367	675		228		228	903	-9	"	"	"	"
30	885	237	237		1097	648		230		230	878	-7	"	"	"	"
31	856	315	315		245	541		230		230			"	"	"	"

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

APRIL 2019

Mean daily discharge - cubic feet per second

		SAN CARLOS RESERVOIR										ASHURST-HAYDEN DAM						DAILY CALL SYSTEM						VERSION 7.08	
		RELEASES					STORAGE					COMPUTED PRIORITY YEAR						VERSION 7.08							
		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	Ashurst-Hayden							
2019																									
MAR 31	856	315	315	541	245	1	257		257	-58	798	1	1924				1924								
APR 1	827	343	343	484	244	2	310		310	-33	794	2	"				"								
2	779	344	344	435	1777	3	335		335	-9	770	3	"				"								
3	727	344	344	383	-736	4	335		335	-9	718	4	"				"								
4	674	344	344	330	613	5	336		336	-8	666	5	"				"								
5	629	344	344	285	246	6	337		337	-7	622	6	"				"								
6	594	343	343	251	307	7	335		335	-8	586	7	"				"								
7	568	351	351	217	62	8	338		338	-13	555	8	"				"								
8	529	356	356	173	184	9	343		343	-13	516	9	"				"								
9	496	357	357	139		10	341		341	-16	480	10	"				"								
10	475	357	357	118	-246	11	343		343	-14	461	11	"				"								
11	484	386	386	98	-184	12	359		359	-27	457	12	"				"								
12	482	420	420	62	-184	13	405		405	-15	467	13	1921				"								
13	484	420	420	64	-123	14	408		408	-12	472	14	"				"								
14	450	420	420	30	-184	15	407		407	-13	437	15	1916				1924								
15	409	420	409	11	-246	16	405	10	395	-14	395	16	1915	1916			"								
16	365	398	365	33	-306	17	397	29	368	3	368	17	1921	1915			1921								
17	340	385	340	45	-245	18	378	40	338	-2	338	18	1924	1921			"								
18	318	385	318	67	-368	19	375	59	316	-2	316	19	1921	1924			1916								
19	306	366	306	60	-245	20	361	53	308	2	308	20	1915	1921			1915								
20	284	350	284	66	-244	21	339	58	281	-3	281	21	1924	1915			1921								
21	266	351	266	85	-489	22	336	75	261	-5	261	22	"	1924			1924								
22	265	337	265	72	-244	23	329	63	266	1	266	23	"	"			1921								
23	268	328	268	60	-305	24	316	53	263	-5	263	24	1921	"			1915								
24	310	329	310	19	-182	25	312	17	295	-15	295	25	"	"			1924								
25	308	329	308	21	-244	26	309	18	291	-17	291	26	1924	1921			"								
26	284	100	100	184	365	27	226	"	226	126	410	27	"	1924			1921								
27	262	19	19	243	671	28	47		47	27	289	28	"	"			"								
28	247	19	19	228	245	29				-19	228	29	"	"			1924								
29	244	19	19	225	183	30				-19	225	30	"	"			"								
30	250	19	19	231	183																				

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

MAY 2019

Mean daily discharge - cubic feet per second

2019	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	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	MAY	Duncan Virden	Safford	Winkelman	VERSION 7.08			
APR 30	250	19	19	183	231	183	15							1924	1924	1924	1924				
MAY 1	231	15	15	245	216	245	10							"	"	"	"				
2	220			367	220	367	10							"	"	"	"				
3	201			245	201	245	10							"	"	"	"				
4	179	97	97	62	82	62	10							"	"	"	"				
5	161	347	161	-552	-186	-552	10	138	138					"	"	"	"				
6	147	351	147	-550	-204	-550	7	275	180	95				1915	1915	1915	1924				
7	136	351	136	-672	-215	-672	8	295	189	106				1880	1896	"	"				
8	125	408	125	-609	-283	-609	9	333	249	84				1883	1880	1915	1915				
9	114	443	114	-852	-329	-852	10	383	290	93				"	1883	1896	1896				
10	107	443	107	-910	-336	-910	11	150	296	51				1879	"	1880	1880				
11	105	443	105	-909	-338	-909	12	411	297	114				1875	1879	1883	1883				
12	108	442	108	-334	-334	-334	13	266	136					1924	1875	"	"				
13	117	140	117	-604	-23	-604	14	400						Immem	1924	1879	1879				
14	117	330	117	-603	-213	-603	15	125	162					"	Immem	1875	1875				
15	118	438	118	-902	-320	-902	16	381	282	99				"	"	1924	1924				
16	111	438	111	-420	-327	-420	17	392	288	104				1869	"	"	"				
17	102	437	102	-1318	-335	-1318	18	398	295	103				Immem	1869	Immem	Immem				
18	94	437	94	-896	-343	-896	19	402	302	100				"	Immem	"	"				
19	89	437	89	-596	-348	-596	20	404	306	98				"	"	1869	1869				
20	84	437	84	-1011	-353	-1011	21	407	311	96				"	"	Immem	Immem				
21	81	438	81	-1245	-357	-1245	22	406	314	92				"	"	"	"				
22	80	437	80	-533	-357	-533	23	406	314	92				"	"	"	"				
23	76	437	76	-885	-361	-885	24	407	318	89				"	"	"	"				
24	72	437	72	-1001	-365	-1001	25	405	321	84				"	"	"	"				
25	61	437	61	-880	-376	-880	26	403	331	72				"	"	"	"				
26	53	437	53	-996	-384	-996	27	403	338	65				"	"	"	"				
27	49	438	49	-1050	-389	-1050	28	405	342	63				"	"	"	"				
28	46	421	46	-757	-375	-757	29	396	330	66				"	"	"	"				
29	43	374	43	-1220	-331	-1220	30	358	291	67				1874	"	"	"				
30	40	361	40	-868	-321	-868	31	335	282	53				Immem	1874	"	"				
31	39	362	39	-693	-323	-693															

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

DETERMINATION OF PRIORITY WATER

JUNE 2019

Mean daily discharge - cubic feet per second

2019	SAN CARLOS RESERVOIR					ASHURST-HAYDEN DAM					DAILY CALL SYSTEM					VERSION 7.08	
	RELEASES		STORAGE			Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR					
	River Inflow	Total	Natural Flow	Stored	Inflow Minus Outflow							Ac-ft S C Res.	JUN	Duncan Virden	Safford		Winkelman
MAY 31	39	362	39	323	-323	-693	1	330	284	46	7	46	1	Immem	Immem	Immem	Immem
JUN 1	37	363	37	326	-326	-979	2	328	287	41	4	41	2	"	"	1874	1874
2	34	364	34	330	-330	-747	3	326	290	36	2	36	3	"	"	Immem	Immem
3	32	364	32	332	-332	-803	4	325	292	33	1	33	4	"	"	"	"
4	31	365	31	334	-334	-572	5	324	294	30	-1	30	5	"	"	"	"
5	32	365	32	333	-333	-913	6	322	293	29	-3	29	6	"	"	"	"
6	30	366	30	336	-336	-911	7	322	296	26	-4	26	7	"	"	"	"
7	30	366	30	336	-336	-738	8	320	296	24	-6	24	8	"	"	"	"
8	29	366	29	337	-337	-963	9	319	297	22	-7	22	9	"	"	"	"
9	27	366	27	339	-339	-848	10	319	298	21	-6	21	10	"	"	"	"
10	25	412	25	387	-387	-901	11	341	341	341	-25	21	11	"	"	"	"
11	24	486	24	462	-462	-1347	12	403	403	403	-24	24	12	"	"	"	"
12	22	511	22	489	-489	-1118	13	445	430	15	-7	15	13	"	"	"	"
13	21	507	21	486	-486	-1275	14	450	428	22	1	22	14	"	"	"	"
14	31	504	31	473	-473	-1262	15	449	416	33	2	33	15	"	"	"	"
15	21	502	21	481	-481	-1195	16	451	423	28	7	28	16	"	"	"	"
16	19	500	19	481	-481	-1237	17	451	423	28	9	28	17	"	"	"	"
17	18	500	18	482	-482	-1066	18	450	424	26	8	26	18	"	"	"	"
18	18	498	18	480	-480	-1370	19	449	422	27	9	27	19	"	"	"	"
19	17	499	17	482	-482	-1250	20	450	424	26	9	26	20	"	"	"	"
20	16	500	16	484	-484	-1237	21	451	426	25	9	25	21	"	"	"	"
21	16	499	16	483	-483	-1172	22	450	425	25	9	25	22	"	"	"	"
22	15	499	15	484	-484	-1259	23	449	426	23	8	23	23	"	"	"	"
23	14	498	14	484	-484	-1195	24	450	426	24	10	24	24	"	"	"	"
24	13	498	13	485	-485	-1181	25	449	427	22	9	22	25	"	"	"	"
25	14	532	14	518	-518	-1215	26	446	446	446	-14	22	26	"	"	"	"
26	12	568	12	556	-556	-1153	27	437	437	437	-12	22	27	"	"	"	"
27	11	568	11	557	-557	-1138	28	433	433	433	-11	22	28	"	"	"	"
28	10	568	10	558	-558	-1031	29	432	432	432	-10	22	29	"	"	"	"
29	10	601	10	591	-591	-1250	30	449	449	449	-10	22	30	"	"	"	"
30	10	615	10	605	-605	-1187											

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

JULY 2019

Mean daily discharge - cubic feet per second

2019	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 to Project	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR			PRIORITY YEAR		
		Total	Natural Flow	Inflow Minus Outflow	Ac-ft change S C Res.							Duncan Virden	Safford	Winkelmann	Ashurst-Hayden		
JUN 30	10	615	10	605	-605	1	471	471	10	20	1	Immem	Immem	Immem	Immem	JUL	
1	11	551	11	540	-540	2	486	475	11	12	23	"	"	"	"	2	
2	9	553	9	544	-544	3	5	494	15	11	20	"	"	"	"	3	
3	10	554	10	544	-544	4	5	494	15	10	20	"	"	"	"	4	
4	7	555	7	548	-548	5	5	495	13	11	18	"	"	"	"	5	
5	6	555	6	549	-549	6	3	495	12	9	15	"	"	"	"	6	
6	6	554	6	548	-548	7	5	498	16	15	21	"	"	"	"	7	
7	6	554	6	548	-548	8	5	499	17	16	22	"	"	"	"	8	
8	6	554	6	548	-548	9	5	502	20	19	25	"	"	"	"	9	
9	6	554	6	548	-548	10	5	499	17	16	22	"	"	"	"	10	
10	6	618	6	612	-612	11	5	495	495	-1	5	"	"	"	"	11	
11	5	553	5	548	-548	12	5	493	482	11	16	"	"	"	"	12	
12	5	553	5	548	-548	13	5	493	482	11	16	"	"	"	"	13	
13	16	552	16	536	-536	14	5	490	472	18	7	"	"	"	"	14	
14	18	551	18	533	-533	15	10	482	469	13	5	"	"	"	"	15	
15	37	550	37	513	-513	16	15	484	451	33	11	"	"	"	"	16	
16	20	549	20	529	-529	17	17	493	466	27	7	"	"	"	"	17	
17	18	548	18	530	-530	18	496	466	30	12	30	"	"	"	"	18	
18	17	548	17	531	-531	19	497	467	30	13	30	"	"	"	"	19	
19	16	547	16	531	-531	20	496	467	29	13	29	"	"	"	"	20	
20	7	558	7	551	-551	21	500	485	15	8	15	"	"	"	"	21	
21	3	562	3	559	-559	22	508	492	16	13	16	"	"	"	"	22	
22	2	573	2	571	-571	23	519	502	17	15	17	"	"	"	"	23	
23	3	585	3	582	-582	24	536	512	24	21	24	"	"	"	"	24	
24	3	585	3	582	-582	25	534	512	22	19	22	"	"	"	"	25	
25	1	585	1	584	-584	26	535	514	21	20	21	"	"	"	"	26	
26	1	574	1	573	-573	27	526	504	22	21	22	"	"	"	"	27	
27	1	566	1	565	-565	28	3	497	19	21	22	"	"	"	"	28	
28		567		567	-567	29		499	16	16	16	"	"	"	"	29	
29		566		566	-566	30		498	15	15	15	"	"	"	"	30	
30		552		552	-552	31		486	40	40	40	"	"	"	"	31	
31		452		452	-452												

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

AUGUST 2019

Mean daily discharge - cubic feet per second

2019	River Inflow	SAN CARLOS RESERVOIR			ASHURST-HAYDEN DAM			DAILY CALL SYSTEM				VERSION 7.08							
		RELEASES			STORAGE			COMPUTED PRIORITY YEAR											
		Total	Natural Flow	Stored	Inflow Minus Outflow Res.	Ac-ft change S C	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow		Nat. Flow Available to Project	AUG	Duncan Virden	Safford	Winkelman	Ashurst-Hayden	
JUL 31		452		452	-452	-810													
AUG 1	8	454	8	446	-446	-1753	2												
2	4	501	4	497	-497	-364	3												
3	3	502	3	499	-499	-1085	4												
4	2	502	2	500	-500	-936	5												
5	3	501	3	498	-498	-1215	6												
6	2	501	2	499	-499	-854	7												
7	2	500	2	498	-498	-1023	8												
8	3	524	3	521	-521	-1013	9												
9	4	540	4	536	-536	-1072	10												
10	5	542	5	537	-537	-889	11												
11	11	542	11	531	-531	-1084	12												
12	28	541	28	513	-513	-1104	13												
13	6	541	6	535	-535	-1058	14												
14	3	540	3	537	-537	-1012	15												
15	2	540	2	538	-538	-1098	16												
16	1	540	1	539	-539	-1051	17												
17	1	539	1	538	-538	-1069	18												
18	1	553	1	552	-552	-1116	19												
19	1	564	1	563	-563	-1101	20												
20	1	562	1	561	-561	-1055	21												
21	1	560	1	559	-559	-1128	22												
22	1	558	1	557	-557	-1139	23												
23	1	557	1	556	-556	-1064	24												
24	3	538	3	535	-535	-1047	25												
25	1	529	1	528	-528	-1059	26												
26		516		516	-516	-987	27												
27	2	503	2	501	-501	-945	28												
28	26	503	26	477	-477	-798	29												
29	25	502	25	477	-477	-891	30												
30	3	501	3	498	-498	-389	31												
31	1	483	1	482	-482	-1479													

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

12% transit loss on daily stored releases...

DETERMINATION OF PRIORITY WATER

SEPTEMBER 2019

Mean daily discharge - cubic feet per second

2019	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08				
	RELEASES		STORAGE		Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	COMPUTED PRIORITY YEAR						
	River Inflow	Total	Natural Flow	Stored							Inflow Minus Outflow	Ac-ft change S C Res.		SEP	Duncan Virden	Safford	Winkelman
AUG 31	1	483	1	482	-482	-1479	1	433	424	9	8	9	1	Immem	Immem	Immem	Immem
SEP 1	1	476	476	476	-476	-897	2	428	419	9	9	9	2	"	"	"	"
2	3	475	475	475	-475	-882	3	421	418	3	3	3	3	"	"	"	"
3	4	474	474	474	-474	-937	4	417	417				4	"	"	"	"
4	4	472	472	472	-472	-803	5	414	414				5	"	"	"	"
5	4	458	458	458	-458	-811	6	406	403	3	3	3	6	"	"	"	"
6	6	448	448	448	-448	-819	7	392	392				7	"	"	"	"
7	7	447	447	447	-447	-889	8	388	388				8	"	"	"	"
8	47	446	47	399	-399	-740	9	390	351	39	-8	39	9	"	"	"	"
9	10	415	10	405	-405	-746	10	400	356	44	34	44	10	"	"	"	"
10	4	397	4	393	-393	-689	11	357	346	11	7	11	11	"	"	"	"
11	3	395	3	392	-392	-695	12	346	345	1	-2	1	12	"	"	"	"
12	2	395	2	393	-393	-680	13	342	342				13	"	"	"	"
13	1	393	1	392	-392	-645	14	336	336				14	"	"	"	"
14	1	392	1	391	-391	-708	15	302	302				15	"	"	"	"
15	1	390	1	389	-389	-597	16	25	326	24	24	25	16	1921	"	"	"
16	6	388	6	382	-382	-549	17	20	334	34	14	20	17	Immem	1921	"	"
17	342	387	342	45	-45	-730	18	25	355	40	-2	340	18	1897	Immem	"	"
18	202	382	202	180	-180	-279	19	30	325	158	-5	197	19	Immem	1897	1921	1921
19	97	379	97	282	-282	-447	20	25	308	248	-12	85	20	"	Immem	Immem	Immem
20	102	378	102	276	-276	-505	21	20	319	243	-6	96	21	"	"	1897	1897
21	82	377	82	295	-295	-496	22	10	318	260	-14	68	22	"	"	Immem	Immem
22	58	376	58	318	-318	-521	23	20	322	280	4	62	23	1887	"	"	"
23	44	221	44	177	-177	-273	24	10	265	156	109	75	24	1915	1887	"	"
24	31	140	31	109	-109	-144	25	163	96	67	36	67	25	1915	1915	"	"
25	26	132	26	106	-106	-174	26	228	93	135	109	135	26	1912	1915	1887	1887
26	24	122	24	98	-98	-142	27	15	355	86	260	284	27	1915	1912	1915	1915
27	28	122	28	94	-94	-157	28	263	83	180	152	180	28	1921	1915	1915	1915
28	28	120	28	92	-92	-171	29	153	81	72	44	72	29	1915	1921	1912	1912
29	26	120	26	94	-94	-155	30	120	83	37	11	37	30	1897	1915	1915	1915
30	16	119	16	103	-103	-231											

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

12% transit loss on daily stored releases...

DETERMINATION OF PRIORITY WATER

OCTOBER 2019

Mean daily discharge - cubic feet per second

2019	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.	OCT	Diverted	Stored	Natural Flow	Duncan Virden	Safford		Winkelman
SEP 30	16	119	16	103	-103	-231	1	114	91	23	1883	1897	1921	1921
OCT 1	10	118	10	108	-108	-168	2	109	95	14	"	1883	1915	1915
2	8	118	8	110	-110	-197	3	107	97	10	1895	"	1897	1897
3	6	118	6	112	-112	-300	4	105	99	6	1915	1895	1883	1883
4	6	118	6	112	-112	-458	5	102	99	3	1885	1915	"	"
5	5	118	5	113	-113	-146	6	101	99	2	1883	1885	1895	1895
6	5	117	5	112	-112	-203	7	99	99	-5	1884	1883	1915	1915
7	5	117	5	112	-112	-201	8	98	98	-5	1883	1884	1885	1885
8	5	117	5	112	-112	-185	9	96	96	-5	1882	1883	1883	1883
9	6	116	6	110	-110	-170	10	95	95	-6	1880	1882	1884	1884
10	6	115	6	109	-109	-224	11	94	94	-6	1883	1880	1883	1883
11	6	115	6	109	-109	-181	12	93	93	-6	1876	1883	1882	1882
12	6	115	6	109	-109	-178	13	93	93	-6	1883	1876	1880	1880
13	7	114	7	107	-107	-191	14	94	94	-7	1881	1883	1883	1883
14	8	133	8	125	-125	-230	15	98	98	-8	1886	1881	1876	1876
15	7	146	7	139	-139	-214	16	117	117	-7	1873	1886	1883	1883
16	7	146	7	139	-139	-237	17	118	118	-7	1875	1873	1881	1881
17	6	145	6	139	-139	-235	18	119	119	-6	1876	1875	1886	1886
18	6	146	6	140	-140	-258	19	119	119	-6	1872	1876	1873	1873
19	7	145	7	138	-138	-203	20	121	121	-7	Immem	1872	1875	1875
20	5	145	5	140	-140	-276	21	121	121	-5	1868	Immem	1876	1876
21	4	145	4	141	-141	-210	22	122	122	-4	1869	1868	1872	1872
22	4	145	4	141	-141	-231	23	122	122	-4	1868	1869	Immem	Immem
23	5	144	5	139	-139	-227	24	122	122	-5	1869	1868	1868	1868
24	5	144	5	139	-139	-257	25	119	119	-5	1885	1869	1869	1869
25	5	54	5	49	-49	-46	26	5	67	72	Immem	1885	1868	1868
26	4	4	4	4	4	-46	27	54	54	57	1924	Immem	1869	1869
27	4	4	4	4	4	-46	28	24	24	38	"	1924	1885	1885
28	5	5	5	5	5	12	29	14	14	29	"	"	Immem	Immem
29	6	6	6	6	6	12	30	10	10	26	"	"	Immem	Immem
30	5	5	5	5	5	-23	31	8	8	13	"	"	1924	1924
31	5	5	5	5	5	11		8	8		"	"	"	"

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

DETERMINATION OF PRIORITY WATER

NOVEMBER 2019

Mean daily discharge - cubic feet per second

2019	SAN CARLOS RESERVOIR				STORAGE				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERSION 7.08	
	RELEASES		STORAGE		ASHURST-HAYDEN DAM		ASHURST-HAYDEN DAM		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR		COMPUTED PRIORITY YEAR					
	River Inflow	Total Flow	Natural Flow	Stored	Inflow Minus Outflow	Ac-ft change S C Res.	NOV	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	NOV	Duncan Virden	Safford		Winkelman
OCT 31	5				5	11	1	25	7	7	7	32	37	1	1924	1924	1924	1924
NOV 1	9				9	-41	2	20	6	6	6	26	35	2	"	"	"	"
2	10				10	41	3	15	5	5	5	20	30	3	"	"	"	"
3	11				11	-11	4	10	5	5	5	15	26	4	"	"	"	"
4	13				13		5	10	4	4	4	14	27	5	"	"	"	"
5	14				14		6	10	5	5	5	15	29	6	"	"	"	"
6	15				15	11	7	10	4	4	4	14	29	7	"	"	"	"
7	16				16		8	10	4	4	4	14	30	8	"	"	"	"
8	16				16	12	9	10	3	3	3	13	29	9	"	"	"	"
9	19				19		10	10	3	3	3	13	32	10	"	"	"	"
10	20				20		11	10	1	1	1	11	31	11	"	"	"	"
11	22				22		12	10	1	1	1	11	33	12	"	"	"	"
12	22				22		13	10	-1	-1	-1	10	32	13	"	"	"	"
13	22				22		14	10	1	1	1	11	33	14	"	"	"	"
14	24				24	-12	15	10	0	0	0	10	34	15	"	"	"	"
15	26				26	12	16	10				10	36	16	"	"	"	"
16	27				27	-12	17	10				10	37	17	"	"	"	"
17	28				28		18	10				10	38	18	"	"	"	"
18	29				29	12	19	10				10	39	19	"	"	"	"
19	30				30	46	20	40				40	70	20	"	"	"	"
20	33				33	151	21	80				80	113	21	"	"	"	"
21	40				40	117	22	150	4	4	4	154	194	22	"	"	"	"
22	190				190	48	23	50				50	240	23	"	"	"	"
23	548				548	446	24	20				20	568	24	"	"	"	"
24	296				296	500	25	15	1	1	1	16	312	25	"	"	"	"
25	187				187	371	26	10				10	197	26	"	"	"	"
26	147				147	182	27	10	1	1	1	11	158	27	"	"	"	"
27	131				131	276	28	10				10	141	28	"	"	"	"
28	144				144	173	29	550	0	0	0	550	694	29	"	"	"	"
29	623				623	569	30	825				825	1448	30	"	"	"	"
30	1025				1025	1055												

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

12% transit loss on daily Stored releases...

DETERMINATION OF PRIORITY WATER

DECEMBER 2019

Mean daily discharge - cubic feet per second

2019	SAN CARLOS RESERVOIR				ASHURST-HAYDEN DAM				DAILY CALL SYSTEM				VERISON 7.08 COMPUTED PRIORITY YEAR	
	River Inflow	RELEASES		STORAGE	Sluiced and/or Spilled	Diverted	Stored	Natural Flow	Gain/Loss Nat. Flow	Nat. Flow Available to Project	Duncan			
		Total Flow	Natural Flow	Stored							Viriden	Safford		Winkelman
NOV 30	1025				438				438	1463	1924	1924	1924	
DEC 1	1267	1025	1055	1	168				168	1435	"	"	"	
DEC 2	1700	1267	1105	2	93				93	1793	"	"	"	
DEC 3	1517	1700	1456	3	65				65	1582	"	"	"	
DEC 4	980	1517	2094	4	51				51	1031	"	"	"	
DEC 5	700	980	1668	5	43				43	743	"	"	"	
DEC 6	550	700	915	6	37				37	587	"	"	"	
DEC 7	456	550	711	7	33				33	489	"	"	"	
DEC 8	450	456	589	8	31				31	481	"	"	"	
DEC 9	516	450	521	9	70				70	586	"	"	"	
DEC 10	1679	516	755	10	96				96	1775	"	"	"	
DEC 11	1608	1679	986	11	57				57	1665	"	"	"	
DEC 12	2056	1608	2214	12	43				43	2099	"	"	"	
DEC 13	1608	2056	2775	13	34				34	1642	"	"	"	
DEC 14	1136	1608	3024	14	28				28	1164	"	"	"	
DEC 15	881	1136	2158	15	35				35	916	"	"	"	
DEC 16	722	881	1422	16	23				23	745	"	"	"	
DEC 17	606	722	1178	17	21				21	627	"	"	"	
DEC 18	521	606	863	18	21				21	542	"	"	"	
DEC 19	464	521	875	19	20				20	484	"	"	"	
DEC 20	426	464	685	20	20				20	446	"	"	"	
DEC 21	391	426	663	21	19				19	410	"	"	"	
DEC 22	362	391	670	22	18				18	380	"	"	"	
DEC 23	339	362	587	23	18				18	357	"	"	"	
DEC 24	287	339	503	24	17				17	304	"	"	"	
DEC 25	269	287	716	25	17				17	286	"	"	"	
DEC 26	256	269	391	26	17				17	273	"	"	"	
DEC 27	257	256	606	27	43				43	300	"	"	"	
DEC 28	319	257	457	28	65				65	384	"	"	"	
DEC 29	437	319	491	29	52				52	489	"	"	"	
DEC 30	393	437	525	30	41				41	434	"	"	"	
DEC 31	377	393	716	31							"	"	"	
DEC 31	377	377	659											

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

12% transit loss on daily Stored releases...

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

THEN BEING IRRIGATED

Year of Prior.	Duncan Valley		Safford Valley		Total Upper Valleys		San Carlos Indian Reserv.		Winkelman Valley		U.S.A. Decreased	GRIC TBI	GRIC Decreased	SCIDD Decreased	SCIDD TBI	Total Decreased	Total TBI	Total USA TBI	Year of Prior.
	Decreased	TBI 2018	Decreased	TBI 2018	Decreased	TBI 2018	TBI 2018	ASARCO Ind.	KEARNY Ind.	Agri. LANDS									
Immem. Rights					12.5	0.0					437.5	437.5	223.1		437.5	223.1	223.1	Immem. Rights	
1846											449.5	449.5		12.0	450.0	223.1	1846		
1868											460.2	460.2		10.7	462.0	223.6	1868		
1869											467.7	467.7		7.5	472.7	224.0	1869		
1872											469.7	469.7		30.2	480.6	224.3	1872		
1873											469.9	469.9		1.2	483.2	224.3	1873		
1874	6.3	4.5	7.9	5.2	14.2	0.4	0.2	0.6			473.8	473.8		3.2	486.6	224.4	1874		
1875			16.0	10.7	22.3	15.2	0.4	0.6			478.8	478.8		3.9	490.6	224.5	1875		
1876			23.4	15.8	29.7	20.3	0.3	0.1			479.5	479.5		5.7	491.7	224.5	1876		
1877			34.0	22.8	40.3	27.3	0.0	0.3			481.5	481.5		2.0	493.7	224.8	1877		
1878			41.6	28.0	47.9	32.5	0.8	0.8			481.9	481.9		0.4	494.4	224.8	1878		
1879			48.9	32.5	55.2	37.1	2.0	0.3			484.5	484.5		2.6	496.4	224.9	1879		
1880			59.9	40.8	66.2	45.3	3.6	0.3			484.9	484.9		0.5	497.4	224.9	1880		
1881	12.1	8.6	70.4	48.5	92.5	57.2	0.0	0.0			486.0	486.0		0.5	496.0	224.9	1881		
1882	13.2	9.4	83.2	57.9	96.4	67.3	0.0	0.0			486.0	486.0		0.5	496.0	224.9	1882		
1883			102.1	71.8	115.3	81.2	0.0	0.0			486.0	486.0		0.5	496.0	224.9	1883		
1884	13.7	9.6	123.1	87.2	136.8	96.8	0.0	0.0			485.3	485.3		0.3	497.8	224.9	1884		
1885	19.3	12.7	138.9	98.7	158.2	111.4	0.0	0.0			486.6	486.6		1.4	498.4	225.0	1885		
1886	22.2	14.2	157.5	111.9	179.7	126.1	0.0	0.0			486.9	486.9		0.3	498.4	225.0	1886		
1887	22.9	14.8	167.6	119.4	190.5	134.2	0.0	0.0			486.9	486.9		0.3	498.4	225.0	1887		
1888	30.5	18.7	175.9	125.5	206.4	144.2	0.0	0.0			489.5	489.5		2.9	501.3	225.0	1888		
1889	31.8	19.4	187.8	134.0	219.6	153.4	0.0	0.0			489.5	489.5		2.9	501.3	225.0	1889		
1890			199.1	142.1	230.9	161.5	0.0	0.0			491.3	491.3		2.6	503.0	225.1	1890		
1891	32.3	19.8	211.9	151.5	244.2	171.3	0.0	0.0			503.9	503.9		1.8	506.5	225.1	1891		
1892	33.5	20.7	217.5	155.7	251.0	176.4	0.0	0.0			506.5	506.5		1.2	508.5	225.1	1892		
1893	34.4	21.2	223.8	159.5	258.2	180.8	0.0	0.0			512.5	512.5		5.0	517.0	225.1	1893		
1894	37.7	22.9	226.1	161.3	263.8	184.2	0.0	0.0			514.9	514.9		4.1	520.0	225.1	1894		
1895	42.0	25.6	231.2	164.3	273.2	190.3	0.0	0.0			524.2	524.2		2.4	528.1	225.1	1895		
1896	45.4	27.7	241.1	171.1	286.5	198.8	0.0	0.0			528.1	528.1		9.3	537.0	225.1	1896		
1897	59.8	34.3	244.7	173.4	304.5	207.7	0.0	0.0			528.1	528.1		3.9	532.0	225.1	1897		
1898	69.9	40.5	247.8	175.3	317.7	215.8	0.0	0.0			528.5	528.5		4.1	536.0	225.1	1898		
1899			255.0	179.9	324.9	220.4	0.0	0.0			528.5	528.5		0.5	533.0	225.1	1899		
1900	75.4	43.6	264.9	186.0	340.3	229.6	0.0	0.0			528.6	528.6		0.1	533.0	225.1	1900		
1901	76.1	43.6	271.1	189.8	347.2	233.4	0.0	0.0			528.1	528.1		0.5	533.0	225.1	1901		
1902	78.2	43.6	276.7	193.5	354.9	237.1	0.0	0.0			528.1	528.1		0.5	533.0	225.1	1902		
1903	79.3	43.6	281.6	196.8	360.9	240.4	0.0	0.0			528.1	528.1		0.5	533.0	225.1	1903		
1904	81.3	44.4	290.0	218.1	371.3	262.5	0.0	0.0			528.1	528.1		0.5	533.0	225.1	1904		
1905	82.4	44.8	314.3	220.3	396.7	265.1	0.0	0.0			528.1	528.1		0.5	533.0	225.1	1905		
1906	83.4	45.0	317.9	223.0	401.3	268.0	0.0	0.0			528.1	528.1		0.5	533.0	225.1	1906		
1907	85.1	45.0	340.6	239.0	425.7	284.0	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1907		
1908	89.1	46.0	343.7	241.3	432.8	287.3	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1908		
1909	90.4	46.0	347.6	243.8	438.0	289.8	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1909		
1910	91.1	46.1	354.7	248.5	445.8	294.6	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1910		
1911	92.0	46.5	355.7	249.2	447.7	295.7	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1911		
1912	92.2	46.7	361.3	253.5	453.5	300.2	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1912		
1913	92.3	46.7	369.5	259.2	461.8	305.9	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1913		
1914	93.0	47.1	372.5	261.3	465.5	308.4	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1914		
1915	93.5	47.3	378.9	265.9	472.4	313.2	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1915		
1916	93.6	47.4	380.8	267.1	474.4	314.5	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1916		
1917	94.4	48.5	385.9	270.4	484.3	320.9	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1917		
1918	99.5	51.2	387.4	271.8	486.9	322.8	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1918		
1919	99.8	51.2	392.7	276.3	492.5	326.5	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1919		
1920	100.0	51.3	394.6	276.5	494.6	327.8	0.0	0.0			528.1	528.1		0.6	533.0	225.1	1920		
1921							0.0	0.0			528.1	528.1		0.6	533.0	225.1	1921		
1924							0.0	0.0			528.1	528.1		0.6	533.0	225.1	1924		
1925							0.0	0.0			528.1	528.1		0.6	533.0	225.1	1925		
1926							0.0	0.0			528.1	528.1		0.6	533.0	225.1	1926		
1929							0.0	0.0			528.1	528.1		0.6	533.0	225.1	1929		
Total	100.5	51.7	394.5	276.5	507.0	328.2	12.5	0.0	2.2	1.3	1255.5	437.5	223.1	624.7	1793.2	598.3	247.2	TOTAL ACRES	
TBI ACRES	4,115.14	21,949.39	26,064.53	101.73	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	17,851.34	50,546.00	1,929.32	45,946.92	TBI ACRES				
% REDUCTION	46.83%	31.16%	35.74%	94.28%	100.00%	100.00%	0.00%	0.00%	0.00%	0.00%	49.00%	49.00%	96.14%	67.87%	% REDUCTION				
% ACRES TBI	51.17%	65.82%	64.26%	5.72%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	51.00%	51.00%	3.86%	32.03%	% ACRES TBI				

Note: * Industrial and Municipal use.

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 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	Decreed	TBI 2019	
1872																									
1873																									
1874																									
1875																									
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1918																									
1919																									
1920																									
Total	16.6	11.2	2.6	2.0	51.7	37.6	35.6	90.3	61.9	52.7	44.9	30.4	24.2	31.5	23.2	24.6	19.9	32.8	16.0	2.6	0.0	394.6	276.5	276.5	

DECREED ACRES	1,311.28	210.70	4,119.58	7,191.72	4,102.49	2,383.00	2,516.54	1,971.70	2,615.86	205.90	2,615.86	31,344.55
TBI ACRES	885.30	161.40	2,998.35	4,926.33	1,896.30	1,897.49	1,851.60	1,597.94	1,278.23	0.00	1,278.23	21,949.39
% REDUCTION	32.49%	23.40%	27.22%	31.46%	14.75%	26.37%	26.42%	18.96%	51.17%	100.00%	51.17%	29.97%
% ACRES TBI	67.51%	76.80%	72.78%	68.54%	85.22%	79.63%	73.58%	81.04%	48.86%	0.00%	48.86%	70.03%

Note: For blank spaces use first figure above.

2019

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	-21	-1162	-2813	-555	201	55	-1	-3	-3	-3	-11	219	-4096
Gila River Near Clifton	-19	-25	-83	-1572	158	203	127	32	-94	-46	-2	34	-1287
San Francisco River @ Clifton	-9	253	-1625	201	-41	5	-2	-34	-5	-3	-76	-10	-1346
Head of Safford Valley	-27	1200	-323	-165	-16	-5	-4	-7	-8	-6	-15	-76	549
Gila @ Calva	181	-669	520	-430	-11	5	-1	1	-4	-12	-70	-133	-623
San Carlos River @ Peridot	31	-29	145	-19	0	0	0	0	0	0	-16	-259	-147
Gila Below Coolidge Dam	-97	-106	-21	-291	-84	-662	-43	96	-36	-77	-275	-256	-1852
Gila @ Kelvin	-641	-80	-52	721	-35	15	341	-56	390	-11	-5	-12	575
Florence Casa Grande Canal	0	0	-12	-93	21	395	-92	-51	-34	-10	23	1	148

2019

Gila River Below Blue Creek Near Virden, New Mexico

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	100	144	350	502	158	38	5.0	2.0	1.4	35	29	1160
2	104	140	390	465	155	34	4.5	4.3	1.3	32	32	637
3	104	139	418	429	148	31	4.0	16	1.2	31	34	473
4	104	145	440	398	134	32	3.7	34	0.9	33	36	396
5	106	158	463	374	125	26	3.4	33	1.1	30	39	345
6	133	227	453	357	121	23	3.1	29	1.1	25	42	335
7	206	286	423	339	110	20	2.8	26	1.1	19	45	367
8	238	292	434	323	102	19	2.6	21	1.0	16	47	336
9	239	274	439	310	103	20	2.4	21	1.1	14	49	525
10	239	257	416	299	118	23	2.1	24	1.5	14	51	1120
11	261	244	390	293	119	28	2.1	24	1.5	16	51	765
12	301	231	379	287	127	25	2.0	20	1.4	16	48	644
13	306	220	638	270	131	22	2.1	12	5.4	16	49	499
14	287	211	1600	254	118	17	2.0	8.5	9.4	14	54	421
15	264	212	1460	243	113	15	1.9	6.2	103	13	56	375
16	243	631	1280	240	101	14	2.0	4.7	43	13	57	350
17	227	779	1240	238	89	14	2.1	3.5	100	13	58	315
18	223	700	1270	232	82	13	1.8	2.7	149	13	60	290
19	217	544	1320	225	77	12	1.8	2.3	86	16	60	269
20	213	446	1260	218	77	10	1.5	2.2	73	18	58	233
21	209	400	1210	211	77	9.0	1.4	1.9	64	19	62	222
22	203	382	1110	204	75	8.5	1.4	1.9	58	20	67	207
23	193	372	993	198	71	8.0	1.7	1.9	51	21	74	203
24	187	341	863	192	66	7.8	1.9	1.8	52	22	80	205
25	181	321	775	186	63	7.5	1.6	1.5	55	22	85	210
26	174	300	703	181	58	7.4	1.5	1.1	50	23	88	211
27	166	298	647	175	58	6.6	1.6	1.3	48	28	91	198
28	162	320	643	170	64	5.9	1.6	1.7	44	30	134	197
29	155		628	166	57	5.6	1.7	1.7	40	32	410	206
30	152		613	161	49	5.4	1.9	1.6	38	30	1170	212
31	148		558		42		2.0	1.5		28		186
Total	6,045	9,014	23,806	8,140	2,987	508	71	315	1,082	666	3,216	12,112
Ac-ft	11,990	17,879	47,219	16,146	5,924	1,009	141	624	2,146	1,321	6,379	24,024

Total for the Year: 134,801 ac-ft

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

2019

GILA RIVER NEAR CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	101	119	271	446	133	34	18	22	32	22	22	1,090
2	101	115	281	420	123	32	17	21	25	22	22	673
3	101	115	315	397	114	31	17	25	24	21	22	398
4	101	117	345	385	105	29	17	24	23	21	22	277
5	102	122	361	373	96	27	17	29	23	21	22	208
6	105	130	389	357	89	25	17	23	22	20	22	170
7	129	185	378	344	87	24	18	22	22	20	22	175
8	172	239	354	335	85	23	18	21	49	19	22	198
9	201	249	356	322	83	22	18	21	30	19	22	303
10	205	233	365	310	81	22	18	21	24	19	22	1,040
11	207	219	349	296	81	22	18	24	22	19	22	785
12	229	209	340	284	83	21	18	25	20	19	22	616
13	262	204	355	273	84	20	18	24	33	20	23	476
14	268	197	786	255	86	19	18	23	102	19	23	385
15	259	192	1,240	246	77	19	19	23	174	19	23	324
16	245	240	1,050	231	70	18	19	23	448	19	23	278
17	231	531	987	216	65	18	19	22	67	19	23	247
18	221	575	978	209	60	17	19	22	74	19	23	228
19	215	483	1,060	205	57	16	19	22	99	19	23	213
20	210	412	1,060	200	55	16	19	22	57	20	44	192
21	207	364	1,010	188	53	16	18	22	42	19	67	178
22	197	324	938	184	51	16	18	22	36	19	52	171
23	189	296	870	184	48	16	19	22	31	19	48	165
24	179	282	791	182	45	16	20	22	29	19	52	161
25	173	277	703	174	42	16	20	22	27	20	58	159
26	165	274	626	166	38	15	20	21	28	20	62	157
27	156	271	568	157	37	15	21	21	25	21	68	158
28	149	271	528	147	36	14	21	24	24	21	374	158
29	138		510	140	36	15	21	31	23	22	353	159
30	130		498	136	34	14	23	26	22	22	653	162
31	124		480		33		22	31		22		160
Total	5,472	7,245	19,142	7,762	2,167	610	584	720	1,657	620	2,253	10,064
Ac-ft	10,854	14,370	37,968	15,396	4,299	1,209	1,158	1,428	3,287	1,230	4,468	19,962

Total for the Year: 115,629 ac-ft

Drainage area - 4,010 sq. mi.

2019

SAN FRANCISCO RIVER AT CLIFTON, ARIZONA

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	59	84	306	464	136	37	12	68	43	24	29	782
2	59	86	349	411	131	37	10	56	57	23	30	436
3	60	90	387	377	120	34	10	41	54	25	32	288
4	59	96	458	363	110	32	10	39	43	25	32	211
5	59	99	493	350	105	30	9	40	36	24	30	175
6	63	130	447	336	101	29	10	37	29	24	29	180
7	113	145	417	321	97	29	13	31	26	24	31	199
8	108	136	404	305	92	27	16	30	21	25	33	179
9	88	128	396	307	91	26	19	33	21	25	34	713
10	82	124	362	326	86	26	20	33	25	25	33	1,370
11	87	123	348	343	91	27	15	49	26	23	32	778
12	108	121	799	317	91	25	14	84	25	24	32	527
13	106	117	4,230	281	88	24	13	69	22	26	33	386
14	100	114	3,280	244	81	22	14	62	23	25	34	297
15	94	121	1,950	212	75	21	11	53	129	25	32	245
16	91	336	1,540	190	72	19	10	44	326	24	33	209
17	87	360	1,400	192	67	19	10	33	139	24	33	186
18	88	306	1,370	212	67	21	13	26	100	25	34	165
19	88	263	1,310	190	66	21	13	25	72	29	38	150
20	89	237	1,190	172	65	20	15	26	55	26	45	142
21	88	218	1,060	174	65	19	13	23	44	25	498	133
22	87	232	983	185	65	17	12	22	36	24	486	129
23	86	247	895	188	61	18	14	22	33	25	240	120
24	85	224	804	172	57	17	17	19	31	25	161	118
25	83	219	690	156	55	17	19	20	34	26	113	118
26	84	235	619	145	51	16	14	20	37	26	91	120
27	84	254	591	144	48	16	15	15	34	24	83	116
28	84	281	575	152	45	15	13	12	29	25	510	128
29	83		574	147	44	14	14	12	28	26	1,310	135
30	83		562	142	43	14	23	14	23	29	1,920	125
31	83		517		40		50	16		28		121
Total	2,616	5,126	29,306	7,518	2,403	688	458	1,072	1,599	778	6,068	8,981
Ac-ft	5,189	10,167	58,128	14,912	4,765	1,365	909	2,126	3,171	1,543	12,035	17,814

Total for the Year: 132,124 ac-ft

Drainage area - 2,766 sq. mi.

2019

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

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	168	217	704	974	279	71	36	60	49	54	61	1,850
2	169	213	783	910	262	68	34	78	73	52	64	1,270
3	170	217	856	842	244	66	34	67	77	51	65	827
4	169	220	967	786	224	62	33	60	69	52	66	588
5	169	224	997	747	207	59	32	65	62	52	66	473
6	174	239	955	710	192	57	33	65	56	50	67	417
7	203	290	898	675	183	56	37	57	97	49	69	422
8	258	337	849	639	178	54	41	52	60	50	69	427
9	279	351	824	618	175	52	43	53	69	50	71	481
10	277	338	788	610	171	52	45	56	52	51	72	2,670
11	276	324	733	619	174	52	45	57	52	50	71	1,860
12	297	313	850	611	182	52	41	83	50	49	70	1,350
13	330	304	4,730	573	182	50	40	94	52	51	73	1,050
14	334	298	5,460	523	173	48	40	81	104	52	75	845
15	324	293	3,920	475	160	45	39	76	82	52	75	689
16	309	564	3,020	441	148	44	37	67	692	52	76	583
17	294	896	2,610	420	138	42	38	59	262	50	78	517
18	284	904	2,500	428	128	41	37	52	174	52	81	470
19	279	766	2,430	419	124	41	38	46	221	54	84	440
20	278	652	2,270	383	120	41	38	46	148	55	102	411
21	279	562	2,070	365	118	40	37	44	106	53	238	389
22	274	521	1,900	368	115	40	36	43	89	52	609	371
23	268	540	1,760	381	110	39	35	44	78	52	347	355
24	262	482	1,600	374	104	39	36	44	73	53	256	345
25	253	449	1,430	349	98	37	37	42	71	52	218	339
26	248	440	1,280	328	91	37	38	41	71	54	199	338
27	244	469	1,180	315	85	36	35	40	69	54	194	339
28	241	568	1,130	307	81	36	36	38	64	54	680	346
29	234		1,100	304	80	36	35	45	59	55	803	365
30	227		1,080	290	79	36	36	43	57	58	2,800	362
31	222		1,030		76		46	41		59		351
Total	7,793	11,991	52,704	15,784	4,681	1,427	1,165	1,739	3,238	1,624	7,796	21,540
Ac-ft	15,457	23,784	104,538	31,308	9,284	2,831	2,311	3,450	6,422	3,222	15,464	42,725

Total for the Year: 260,795 ac-ft

Drainage area - 7,896 sq. mi.

2019

GILA RIVER AT CALVA, ARIZONA

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	152	206	557	813	229	36	11	7.6	0.5	10	9.1	1,140
2	156	199	609	765	218	34	9.2	4.3		7.5	10	1,600
3	157	190	639	714	199	32	10	2.9		6.1	11	1,450
4	159	195	688	662	177	31	6.8	2.4		5.8	13	937
5	157	199	733	618	159	31	6.1	3.4		5.2	14	670
6	158	204	747	583	145	30	5.9	2.2		4.8	15	527
7	167	211	690	558	134	29	6.2	1.7		4.5	16	438
8	179	248	649	520	123	29	6.2	2.6	47	4.8	16	435
9	222	291	602	487	112	27	6.4	4.0	10	5.6	19	483
10	249	312	596	467	105	25	6.1	5.0	4.3	6.2	20	923
11	254	305	569	476	103	23	5.2	11	3.2	6.3	22	1,380
12	253	289	547	475	106	22	4.9	28	1.7	6.0	22	1,940
13	269	279	780	477	115	21	16	6.3	1.0	7.1	22	1,530
14	297	276	978	443	115	31	18	2.5	0.7	7.5	24	1,090
15	305	307	1,750	402	116	21	37	1.6	0.9	6.7	26	846
16	298	456	3,170	358	110	19	20	1.4	6.1	6.5	27	696
17	286	598	3,060	333	101	18	18	1.2	342	5.6	28	587
18	272	854	2,440	311	93	18	17	1.1	202	5.6	29	506
19	263	940	2,140	299	88	17	16	1.1	97	6.5	30	453
20	260	851	2,020	277	83	16	7.0	1.4	102	5.0	33	417
21	259	700	1,970	260	80	16	2.6	1.0	82	3.6	40	383
22	261	609	1,800	260	79	15	2.3	0.7	58	3.9	190	354
23	258	621	1,610	263	75	14	3.4	0.7	44	5.0	548	332
24	253	577	1,450	305	71	13	2.6	3.3	31	5.3	296	280
25	249	506	1,320	304	60	14	1.2	1.0	26	4.6	187	260
26	241	470	1,190	280	53	12	0.8	0.2	24	3.5	147	247
27	237	459	1,080	258	49	11	0.5	1.5	28	3.7	131	242
28	234	479	963	244	45	10	0.2	26	28	5.1	144	245
29	226		894	241	42	10	0.2	25	26	5.6	613	246
30	220		869	247	40	10	0.1	3.3	16	4.8	959	264
31	211		841		38		0.1	1.2		5.0		287
Total	7,162	11,831	37,951	12,700	3,261	633	245	156	1,182	173	3,659	21,188
Ac-ft	14,206	23,467	75,276	25,190	6,469	1,256	487	308	2,344	344	7,258	42,026

Total for the Year: 198,631 ac-ft

Drainage area - 11,470 sq. mi.

2019

SAN CARLOS RIVER NEAR PERIDOT, ARIZONA

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1		4	333	14	2	0.7						127
2		4	253	14	2	0.6						100
3		5	200	13	2	0.6						67
4		13	164	12	2	0.5						43
5		447	134	11	2	0.5						30
6	2	408	95	11	2	0.4						23
7	40	565	71	10	2	0.4						18
8	59	190	55	9	2	0.4						15
9	35	120	44	9	2	0.3						33
10	20	81	37	8	2	0.3						756
11	15	59	32	8	2	0.3						228
12	14	45	32	7	2	0.2						116
13	15	36	1,920	7	2	0.2						78
14	12	31	2,100	7	2	0.2						46
15	26	1,770	413	7	2	0.2						35
16	29	771	242	7	1	0.2						26
17	22	238	168	7	1	0.1						19
18	18	145	139	7	1	0.1						15
19	16	109	114	7	1							11
20	14	86	88	7	1							9
21	11	78	69	6	1							8
22	9	269	55	5	1							8
23	8	406	43	5	1							7
24	7	311	35	5	1							7
25	7	373	31	4	1							9
26	6	567	26	4	1							9
27	5	536	22	4	1							15
28	5	479	20	3	1							74
29	5		18	3	1						10	191
30	5		16	3	1						66	129
31	5		15		1							90
Total	408	8,147	6,985	224	42	6.2					75	2,341
Ac-ft	810	16,160	13,855	444	84	12					149	4,644

Total for the Year: 36,158 ac-ft

Drainage area - 1,026 sq. mi.

2019

GILA RIVER BELOW COOLIDGE DAM, ARIZONA

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3	22	1	343	15	363	551	454	476	118	6	5
2	3	3	1	344	3	364	553	501	475	118	6	5
3	3	3	1	344	3	364	554	502	474	118	6	5
4	3	3	1	344	97	365	555	502	472	118	6	5
5	3	3	1	344	347	365	555	501	458	118	6	5
6	3	3	1	343	351	366	554	501	448	117	5	5
7	3	3	1	351	351	366	554	500	447	117	5	5
8	3	3	1	356	408	366	554	524	446	117	5	5
9	2	3	1	357	443	366	554	540	415	116	5	5
10	2	3	1	357	443	412	618	542	397	115	5	5
11	2	3	1	386	443	486	553	542	395	115	5	5
12	2	3	1	420	442	511	553	541	395	115	5	5
13	2	33	1	420	140	507	552	541	393	114	5	5
14	2	27	1	420	330	504	551	540	392	133	5	5
15	2	3	1	420	438	502	550	540	390	146	5	5
16	34	3	1	398	438	500	549	540	388	146	5	5
17	55	3	1	385	437	500	548	539	387	145	5	5
18	55	3	1	385	437	498	548	553	382	146	5	5
19	21	3	1	366	437	499	547	564	379	145	5	5
20	3	3	1	350	437	500	558	562	378	145	5	5
21	3	3	1	351	438	499	562	560	377	145	5	5
22	3	3	159	337	437	499	573	558	376	145	5	5
23	3	3	234	328	437	498	585	557	221	144	5	5
24	3	3	236	329	437	498	585	538	140	144	5	5
25	3	3	236	329	437	532	585	529	132	54	5	5
26	3	3	236	100	437	568	574	516	122	6	5	5
27	3	3	236	19	438	568	566	503	122	6	5	5
28	3	3	236	19	421	568	567	503	120	6	5	5
29	38		237	19	374	601	566	502	120	6	5	5
30	59		237	19	361	615	552	501	119	6	5	5
31	59		315		362		452	483		6		5
Total	383	149	2,383	9,284	11,020	14,150	17,278	16,279	10,236	3,189	160	151
Ac-ft	759	296	4,727	18,415	21,857	28,067	34,271	32,289	20,303	6,324	318	300

Total for the Year: 167,926 ac-ft

Drainage area - 12,886 sq. mi.

2019

NATURAL FLOW RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1		22		343	15	37	11	8		10		
2				344		34	9	4		8		
3				344		32	10	3		6		
4				344	97	31	7	2		6		
5				344	161	32	6	3		5		
6				343	147	30	6	2		5		
7				351	136	30	6	2		5		
8				356	125	29	6	3	47	5		
9				357	114	27	6	4	10	6		
10				357	107	25	6	5	4	6		
11				386	105	24	5	11	3	6		
12				420	108	22	5	28	2	6		
13		33		420	117	21	16	6	1	7		
14		27		420	117	31	18	3	1	8		
15				409	118	21	37	2	1	7		
16	34			365	111	19	20	1	6	7		
17	55			340	102	18	18	1	342	6		
18	55			318	94	18	17	1	202	6		
19	21			306	89	17	16	1	97	7		
20				284	84	16	7	1	102	5		
21				266	81	16	3	1	82	4		
22			159	265	80	15	2	1	58	4		
23			234	268	76	14	3	1	44	5		
24			236	310	72	13	3	3	31	5		
25			236	308	61	14	1	1	26	5		
26			236	100	53	12	1		24			
27			236	19	49	11	1	2	28			
28			236	19	46	10		26	28			
29	38		237	19	43	10		25	26			
30	59		237	19	40	10		3	16			
31	59		315		39			1				
Total	320	82	2,362	8,745	2,587	639	246	155	1,181	150		
Ac-ft	634	162	4,685	17,346	5,131	1,267	488	307	2,343	298		

Total for the Year: 32,661 ac-ft

2019

STORED WATER RELEASED AT COOLIDGE DAM

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1						326	540	446	476	108		
2						330	544	497	475	110		
3						332	544	499	474	112		
4						334	548	500	472	112		
5					186	333	549	498	458	113		
6					204	336	548	499	448	112		
7					215	336	548	498	447	112		
8					283	337	548	521	399	112		
9					329	339	548	536	405	110		
10					336	387	612	537	393	109		
11					338	462	548	531	392	109		
12					334	489	548	513	393	109		
13					23	486	536	535	392	107		
14					213	473	533	537	391	125		
15				11	320	481	513	538	389	139		
16				33	327	481	529	539	382	139		
17				45	335	482	530	538	45	139		
18				67	343	480	531	552	180	140		
19				60	348	482	531	563	282	138		
20				66	353	484	551	561	276	140		
21				85	357	483	559	559	295	141		
22				72	357	484	571	557	318	141		
23				60	361	484	582	556	177	139		
24				19	365	485	582	535	109	139		
25				21	376	518	584	528	106	49		
26					384	556	573	516	98			
27					389	557	565	501	94			
28					375	558	567	477	92			
29					331	591	566	477	94			
30					321	605	552	498	103			
31					323		452	482				
Total				539	8,426	13,511	17,032	16,124	9,055	3,004		
Ac-ft				1,069	16,713	26,799	33,783	31,982	17,961	5,958		

Total for the Year: 134,265 ac-ft

2019

GILA RIVER AT KELVIN ARIZONA

Mean daily diversions, cubic feet per second

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	26	59	171	240	15	349	538	439	477	113	0	1050
2	23	60	100	227	14	351	536	442	477	110	0	1020
3	22	39	64	227	13	348	534	483	467	109	4	171
4	21	29	53	227	12	338	531	483	464	108	2	44
5	19	120	48	227	23	338	530	483	461	108	2	12
6	22	70	46	313	254	340	530	492	442	107	1	5
7	129	110	43	318	286	340	533	488	433	106	1	4
8	90	55	41	318	300	341	537	486	434	106	2	5
9	37	33	40	328	371	341	534	516	437	105	5	7
10	25	25	38	327	404	342	529	532	428	104	5	195
11	22	20	36	331	410	400	526	540	382	103	6	54
12	20	17	37	368	415	482	524	536	379	104	8	18
13	19	16	42	402	420	507	524	533	377	105	9	10
14	19	17	109	400	161	509	524	529	377	105	11	7
15	18	1370	134	396	296	507	521	529	380	119	11	5
16	17	1650	70	391	403	506	523	526	381	131	12	6
17	17	347	48	366	409	504	524	525	402	131	12	7
18	37	137	40	351	415	500	525	525	400	131	13	9
19	75	90	36	346	420	498	523	546	374	132	15	9
20	76	76	33	324	424	500	522	553	367	133	18	9
21	48	67	30	307	426	499	533	553	365	133	78	9
22	34	524	29	307	426	498	540	553	336	134	180	9
23	27	1110	92	307	430	496	563	551	310	134	53	9
24	23	535	213	307	432	499	574	549	214	134	27	10
25	21	441	220	276	430	497	571	527	163	132	20	18
26	20	466	222	274	427	497	571	541	293	92	16	32
27	19	378	223	113	430	496	552	528	303	30	15	38
28	18	279	223	40	435	494	544	491	207	13	14	252
29	17		224	25	413	491	543	521	142	6	54	192
30	17		237	20	359	531	543	503	130	3	846	161
31	33		237		350		525	494		1		112
Total	1,010	8,140	3,178	8,403	10,023	13,339	16,627	15,997	10,802	3,083	1,440	3,489
Ac-ft	2,004	16,145	6,303	16,667	19,880	26,458	32,980	31,730	21,426	6,116	2,856	6,920

Total for the Year: 189,485 ac-ft

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

2019

OPERATION OF SAN CARLOS RESERVOIR

Quantities in Acre-Feet

2019 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	19415	31815	12400	14206	810	304	15320	759	358	1117	1803	
FEB	31815	68029	36214	23467	16160	304	39931	296	358	654	3063	
MAR	68029	148824	80795	75276	13855	490	89621	4727	1647	6374	2452	
APR	148824	149129	305	25190	444	41	25675	18415	3031	21446	3924	
MAY	149129	128214	-20915	6469	84	79	6632	21857	3595	25452	2095	
JUN	128214	95701	-32513	1256	12		1268	28067	4408	32475	1306	
JUL	95701	59814	-35887	487		394	881	34271	3741	38012		-1244
AUG	59814	27936	-31878	308		280	588	32289	2328	34617		-2151
SEP	27936	11424	-16512	2344		168	2512	20303	1110	21413		-2389
OCT	11424	5963	-5461	344			344	6324	788	7112		-1307
NOV	5963	9909	3946	7258	149	624	8031	318	395	713	3372	
DEC	9909	42887	32978	42026	4644	580	47250	300	357	657	13615	
Totals			23472	198631	36158	3264	238053	167926	22116	190042	31630	-7091

2019

In Acre-Feet

2019 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	19415							
JAN	31815	12400	15320	1117	1803	0	1803	1803
FEB	68029	36214	55251	1771	3063	0	4866	3063
MAR	148824	80795	144872	8145	2452	0	7318	2452
APR	149129	305	170547	29591	3924	0	11242	3924
MAY	128214	-20915	177179	55043	2095	0	13337	2095
JUN	95701	-32513	178447	87518	1306	0	14643	1306
JUL	59814	-35887	179328	125530	0	-1244	13399	-1244
AUG	27936	-31878	179916	160147	0	-2151	11248	-2151
SEP	11424	-16512	182428	181560	0	-2389	8859	-2389
OCT	5963	-5461	182772	188672	0	-1307	7552	-1307
NOV	9909	3946	190803	189385	3372	0	10924	3372
DEC	42887	32978	238053	190042	13615	0	24539	13615
Graph:	STORAGE		INFLOW	RELEASES	BANK STOR/REL			

2019

WATER SURFACE ELEVATIONS, SAN CARLOS RESERVOIR

Elevation in Feet

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	2412.95	2418.17	2429.43	2445.34	2445.39	2441.66	2435.36	2426.26	2416.18	2408.18	2404.23	2408.02
2	2413.08	2418.38	2429.81	2445.63	2445.45	2441.53	2435.08	2426.16	2415.82	2408.05	2404.24	2408.96
3	2413.26	2418.65	2430.21	2445.51	2445.49	2441.39	2434.78	2425.86	2415.43	2407.85	2404.23	2410.23
4	2413.38	2418.81	2430.61	2445.61	2445.50	2441.29	2434.51	2425.60	2415.09	2407.54	2404.23	2411.17
5	2413.52	2418.90	2431.02	2445.65	2445.41	2441.13	2434.24	2425.26	2414.74	2407.44	2404.23	2411.66
6	2413.65	2419.24	2431.51	2445.70	2445.32	2440.97	2433.97	2425.02	2414.38	2407.30	2404.24	2412.03
7	2413.78	2419.66	2431.80	2445.71	2445.21	2440.84	2433.72	2424.73	2413.98	2407.16	2404.24	2412.33
8	2413.91	2420.05	2432.15	2445.74	2445.11	2440.67	2433.46	2424.44	2413.64	2407.03	2404.25	2412.59
9	2414.06	2420.17	2432.42	2445.74	2444.97	2440.52	2433.19	2424.13	2413.29	2406.91	2404.25	2412.96
10	2414.26	2420.58	2432.74	2445.70	2444.82	2440.36	2432.91	2423.87	2412.96	2406.75	2404.25	2413.43
11	2414.47	2420.68	2432.95	2445.67	2444.67	2440.12	2432.64	2423.55	2412.62	2406.62	2404.25	2414.44
12	2414.68	2420.91	2433.13	2445.64	2444.62	2439.92	2432.32	2423.22	2412.28	2406.49	2404.25	2415.63
13	2414.90	2421.13	2433.76	2445.62	2444.52	2439.69	2432.08	2422.90	2411.95	2406.35	2404.25	2416.85
14	2415.12	2421.43	2434.58	2445.59	2444.42	2439.46	2431.81	2422.59	2411.58	2406.18	2404.24	2417.68
15	2415.36	2421.71	2436.32	2445.55	2444.27	2439.24	2431.53	2422.25	2411.26	2406.02	2404.25	2418.21
16	2415.56	2422.77	2437.31	2445.50	2444.20	2439.01	2431.24	2421.92	2410.96	2405.84	2404.24	2418.64
17	2415.75	2423.27	2438.66	2445.46	2443.98	2438.81	2430.95	2421.58	2410.55	2405.66	2404.24	2418.95
18	2415.92	2423.88	2439.72	2445.40	2443.83	2438.55	2430.67	2421.22	2410.39	2405.46	2404.25	2419.26
19	2416.10	2424.40	2440.62	2445.36	2443.73	2438.31	2430.37	2420.86	2410.13	2405.30	2404.29	2419.50
20	2416.29	2424.87	2441.40	2445.32	2443.56	2438.07	2430.06	2420.51	2409.83	2405.08	2404.42	2419.73
21	2416.49	2425.32	2442.07	2445.24	2443.35	2437.84	2429.77	2420.13	2409.53	2404.91	2404.52	2419.96
22	2416.67	2425.64	2442.62	2445.20	2443.26	2437.59	2429.50	2419.74	2409.21	2404.72	2404.56	2420.16
23	2416.86	2426.18	2443.12	2445.15	2443.11	2437.35	2429.13	2419.37	2409.04	2404.53	2404.93	2420.33
24	2417.02	2426.83	2443.54	2445.12	2442.94	2437.11	2428.82	2419.00	2408.95	2404.31	2405.33	2420.57
25	2417.20	2427.29	2443.90	2445.08	2442.79	2436.86	2428.52	2418.62	2408.84	2404.27	2405.62	2420.70
26	2417.37	2427.84	2444.39	2445.14	2442.62	2436.62	2428.19	2418.26	2408.75	2404.27	2405.76	2420.90
27	2417.53	2428.39	2444.65	2445.25	2442.44	2436.38	2427.89	2417.91	2408.65	2404.23	2405.97	2421.05
28	2417.69	2428.93	2444.69	2445.29	2442.31	2436.16	2427.58	2417.61	2408.54	2404.24	2406.10	2421.21
29	2417.82		2445.08	2445.32	2442.10	2435.89	2427.20	2417.27	2408.44	2404.25	2406.52	2421.38
30	2417.93		2445.26	2445.35	2441.95	2435.63	2426.96	2417.12	2408.29	2404.23	2407.27	2421.61
31	2418.03		2445.30		2441.83		2426.74	2416.54		2404.24		2421.82

2019

WATER SURFACE AREAS, SAN CARLOS RESERVOIR

Area in Acres

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	3635	3716	3867	6113	6118	5753	4468	3636	2471	1521	1146	1507
2	3641	3709	3895	6142	6124	5740	4400	3629	2428	1510	1147	1591
3	3644	3703	3928	6130	6128	5726	4360	3607	2381	1492	1146	1714
4	3650	3699	3966	6140	6129	5719	4335	3588	2340	1464	1146	1835
5	3655	3694	4005	6144	6120	5701	4309	3564	2296	1455	1146	1898
6	3660	3684	4051	6149	6111	5685	4284	3546	2249	1443	1147	1946
7	3666	3679	4079	6150	6101	5672	4260	3511	2198	1430	1147	1985
8	3669	3675	4112	6153	6091	5656	4235	3476	2154	1419	1148	2018
9	3673	3669	4137	6153	6077	5641	4210	3438	2109	1408	1148	2066
10	3680	3665	4167	6149	6062	5625	4183	3406	2066	1394	1148	2127
11	3684	3660	4187	6146	6048	5602	4158	3366	2022	1382	1148	2257
12	3684	3656	4204	6143	6043	5571	4128	3325	1978	1371	1148	2405
13	3687	3652	4264	6141	6033	5515	4105	3286	1936	1358	1148	2551
14	3693	3653	4341	6138	6023	5459	4080	3248	1888	1343	1147	2651
15	3699	3661	4700	6134	6008	5406	4053	3206	1847	1329	1148	2714
16	3703	3665	4940	6129	6002	5351	4026	3165	1808	1313	1147	2766
17	3707	3672	5266	6125	5980	5439	3998	3123	1755	1296	1147	2803
18	3709	3681	5522	6119	5965	5239	3972	3079	1734	1279	1148	2840
19	3713	3684	5651	6115	5956	5181	3943	3035	1701	1264	1153	2869
20	3717	3695	5727	6111	5939	5123	3914	2992	1669	1245	1169	2897
21	3722	3700	5793	6104	5918	5068	3892	2945	1642	1227	1180	2924
22	3726	3708	5847	6100	5909	5007	3872	2898	1613	1204	1185	2949
23	3731	3717	5896	6095	5895	4949	3845	2853	1598	1182	1229	2970
24	3737	3726	5937	6092	5878	4891	3823	2809	1590	1156	1267	2999
25	3740	3733	5972	6088	5863	4831	3801	2763	1580	1151	1293	3015
26	3743	3740	6020	6094	5874	4773	3777	2720	1572	1151	1305	3040
27	3740	3745	6046	6104	5829	4715	3755	2678	1563	1146	1324	3058
28	3739	3747	6050	6108	5816	4661	3732	2642	1554	1147	1336	3078
29	3733		6088	6111	5796	4596	3705	2602	1545	1148	1373	3099
30	3727		6105	6114	5781	4533	3687	2584	1531	1146	1440	3127
31	3724		6109		5769		3671	2514		1147		3153

2019

AVAILABLE STORED WATER, SAN CARLOS RESERVOIR

Storage in Acre-feet

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	19703	32194	69953	149068	149374	127235	94486	58061	27039	11256	5922	11014
2	19972	32765	71428	150845	149741	126488	93244	57697	26157	11059	5963	12470
3	20349	33508	72992	150109	149986	125685	91931	56612	25220	10759	5952	14564
4	20603	33952	74571	150722	150048	125113	90758	55676	24417	10301	5952	16232
5	20901	34203	76205	150968	149496	124200	89591	54461	23606	10155	5952	17147
6	21180	35161	78179	151275	148946	123289	88431	53607	22787	9952	5963	17858
7	21461	36364	79358	151337	148274	122551	87363	52584	21898	9751	5963	18447
8	21745	37499	80791	151521	147665	121588	86258	51571	21158	9566	5975	18968
9	22074	37852	81905	151521	146813	120740	85118	50499	20412	9396	5975	19723
10	22518	39072	83233	151275	145903	119839	83943	49610	19723	9172	5975	20709
11	22990	39373	84111	151091	144994	118492	82817	48526	19028	8991	5975	22923
12	23468	40069	84866	150907	144692	117374	81491	47422	18348	8813	5975	25698
13	23975	40741	87533	150784	144088	116099	80503	46364	17703	8622	5975	28722
14	24487	41667	91061	150600	143485	114837	79399	45352	16995	8392	5963	30880
15	25053	42541	98886	150354	142583	113642	78260	44254	16398	8178	5975	32302
16	25530	45938	103658	150048	142163	112405	77089	43203	15849	7941	5963	33480
17	25988	47589	110547	149803	140845	111339	75925	42134	15119	7706	5963	34343
18	26401	49644	116265	149435	139949	109969	74809	41018	14840	7448	5975	35218
19	26842	51432	121305	149190	139353	108719	73622	39917	14393	7245	6021	35903
20	27312	53077	125742	148946	138342	107482	72404	38862	13888	6969	6172	36566
21	27811	54675	129602	148457	137097	106310	71272	37734	13392	6759	6289	37236
22	28264	55820	132802	148213	136564	105051	70224	36595	12871	6528	6337	37823
23	28747	57770	135738	147908	135679	103856	68797	35531	12598	6301	6783	38326
24	29157	60145	138223	147726	134678	102675	67608	34484	12454	6044	7283	39042
25	29622	61845	140367	147482	133798	101460	66465	33425	12280	5998	7654	39433
26	30064	63897	143305	147847	132802	100307	65214	32438	12138	5998	7836	40039
27	30484	65971	144873	148518	131752	99169	64085	31493	11981	5952	8112	40496
28	30907	68029	145115	148763	130995	98138	62924	30695	11810	5963	8285	40987
29	31253		147482	148946	129775	96888	61511	29804	11655	5975	8854	41512
30	31547		148579	149129	128907	95701	60624	29415	11424	5952	9909	42228
31	31815		148824		128214		59814	27936		5963		42887

2019

DAILY EVAPORATION, SAN CARLOS RESERVOIR

Acre-feet

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	4	13	32	171	129	158	125	93	52	27	19	5
2	1	18	37	109	109	157	150	80	57	29	23	6
3	25	7	43	89	158	165	159	87	59	25	20	5
4	3	6	41	27	70	165	132	84	64	28	20	6
5	24	18	39	63	114	162	125	107	52	30	24	1
6	9	15	47	44	88	173	110	25	64	26	9	14
7	2	14	32	103	105	159	74	77	54	25	12	6
8	9	15	28	128	90	169	138	89	43	27	11	2
9	6	10	36	125	133	154	133	55	46	31	5	12
10	18	21	40	94	79	43	148	73	47	36	11	4
11		25	72	52	51	128	127	39	45	28	18	38
12	7	18	8	58	95	137	117	96	43	22	20	22
13	7	12	27	38	36	128	151	82	44	23	16	7
14	7	3	39	107	136	180	125	89	24	25	19	12
15	12	11	46	135	148	162	119	86	24	24	12	5
16	11	22	59	89	186	127	131	82	14	26	19	34
17	7	19	53	37	129	157	117	73	31	28	19	30
18	21	3	62	128	124	149	133	91	37	26	18	6
19	11	25	51	124	122	157	123	82	45	24	17	12
20	5	18	74	164	86	173	119	88	38	20	6	11
21	31	17	58	139	122	161	121	71	35	29	4	13
22	13	8	3	113	95	141	121	71	35	19	5	13
23	18	20	65	86	90	138	105	68	26	23	6	6
24	15	18	81	122	121	134	109	67	24	30	4	1
25	14	25	68	126	137	132	113	72	23	25	9	2
26	20	27	67	129	139	125	111	69	3	19	9	14
27	11	31	62	127	119	142	129	67	1	29	12	19
28	17	36	107	152	114	136	133	92	26	21	12	16
29	17		104	93	149	152	114	63	32	30	8	11
30	12		95	59	154	144	74	48	22	14	8	13
31	1		71		167		55	62		19		11
Total	358	475	1,647	3,031	3,595	4,408	3,741	2,328	1,110	788	395	357

Total for the Year: 22,233 acre-feet

2019

DAILY RAINFALL, SAN CARLOS RESERVOIR

Acre-feet

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1		23							10		143	
2	59	23										
3		287							38			
4		14										4
5	124	81						9			16	
6	13											
7							61		22			10
8					25							33
9	9											111
10												
11			157					45				48
12	44		262				14					
13	19		71				199		5			21
14		360							19			
15	14								3.0			
16				41					11			
17												
18		14										
19					20						83	
20											160	
21		326									45	
22		30			34		23					
23							23		44			12
24									13			
25									3			188
26												25
27												102
28								160			108	26
29							6	66			69	
30							68					
31	22											
Total	304	1,158	490	41	79		394	280	168		624	580

Total for the Year: 4,118 ac-ft

2019

RAINFALL AT COOLIDGE DAM

Elevation approximately 2,550 feet

Inches

2019 DAY	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1		0.10							0.05		1.50	
2	0.34	0.10										
3		1.25							0.19			
4		0.06										0.03
5	0.70	0.35						0.03			0.17	
6	0.07											
7							0.17		0.12			0.06
8					0.05							0.20
9	0.05											0.65
10												
11			0.45					0.16				0.26
12	0.23		0.75				0.04					
13	0.10		0.20				0.58		0.03			0.10
14		1.40							0.12			
15	0.07								0.02			
16				0.08					0.07			
17												
18		0.05										
19					0.04						0.87	
20											1.65	
21		1.10									0.46	
22		0.10			0.07		0.07					
23							0.07		0.33			0.05
24									0.10			
25									0.02			0.75
26												0.10
27												0.40
28								0.72			0.97	0.10
29							0.02	0.30			0.61	
30							0.22					
31	0.10											
Total	1.66	4.51	1.40	0.08	0.16		1.17	1.21	1.05		6.23	2.70

Note: T-Trace

Total for Year : 20.17 inches

1956-2019

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

1956-2019

MONTHLY RAINFALL AT COOLIDGE DAM

Inches

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

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of counsel
DOUGLAS E. BROWN

February 14, 2020

VIA CERTIFIED MAIL,
RETURN RECEIPT REQUESTED

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

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

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Bureau of Indian Affairs
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Acting General Counsel
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General Manager & General Counsel
San Carlos Irrigation & Drainage
District
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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



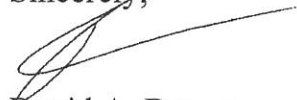
Re: 2019 annual report
February 14, 2020
Page 2

Re: 2019 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 2019."

Sincerely,



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

DAB:lv
Enclosure

cc: Lorraine Hollingsworth



Arizona Irrigation Districts

Provisional Annual Total Water Use 2019

Franklin Irrigation District

TBI (acres)	2,612.10
Surface Water (AF)	
JAN	96.89
FEB	209.76
MAR	732.56
APR	968.74
MAY	812.68
JUN	197.30
JUL	0.00
AUG	44.25
SEP	179.96
OCT	119.92
NOV	129.06
DEC	0.00
FID Total SW	3,491.12
Pumped Water (AF)	
Quarter I	592.51
II	2,592.81
III	3,780.74
IV	372.01
FID Total PW	7,338.07
FID Total Water (AF)	10,829.19
FID Water Duty (AF/A)	4.15

Gila Valley Irrigation District

TBI (acres)	21,988.29
Surface Water (AF)	
JAN	58.00
FEB	218.00
MAR	12,806.00
APR	12,881.00
MAY	5,537.00
JUN	3,127.00
JUL	2,081.00
AUG	3,806.00
SEP	2,484.00
OCT	864.00
NOV	112.00
DEC	770.00
GVID Total SW	44,744.00
Pumped Water (AF)	
Quarter I	11,393.29
II	24,904.63
III	49,126.14
IV	673.01
GVID Total PW	86,097.07
GVID Total Water (AF)	130,841.07
GVID Water Duty (AF/A)	5.95

Arizona Irrigation Districts Totals

TBI (acres)	24,600.39
Surface Water (AF)	48,235.12
Pumped Water (AF)	93,435.14
Total Water (AF)	141,670.26
Water Duty (AF/A)	5.76