

UNITED STATES
DEPARTMENT OF THE INTERIOR
Rogers C. B. Morton, Secretary

BUREAU OF RECLAMATION
Gilbert G. Stamm, Commissioner

LOWER COLORADO REGION
E. A. Lundberg, Regional Director

COMPILATION OF RECORDS IN
ACCORDANCE WITH ARTICLE V OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

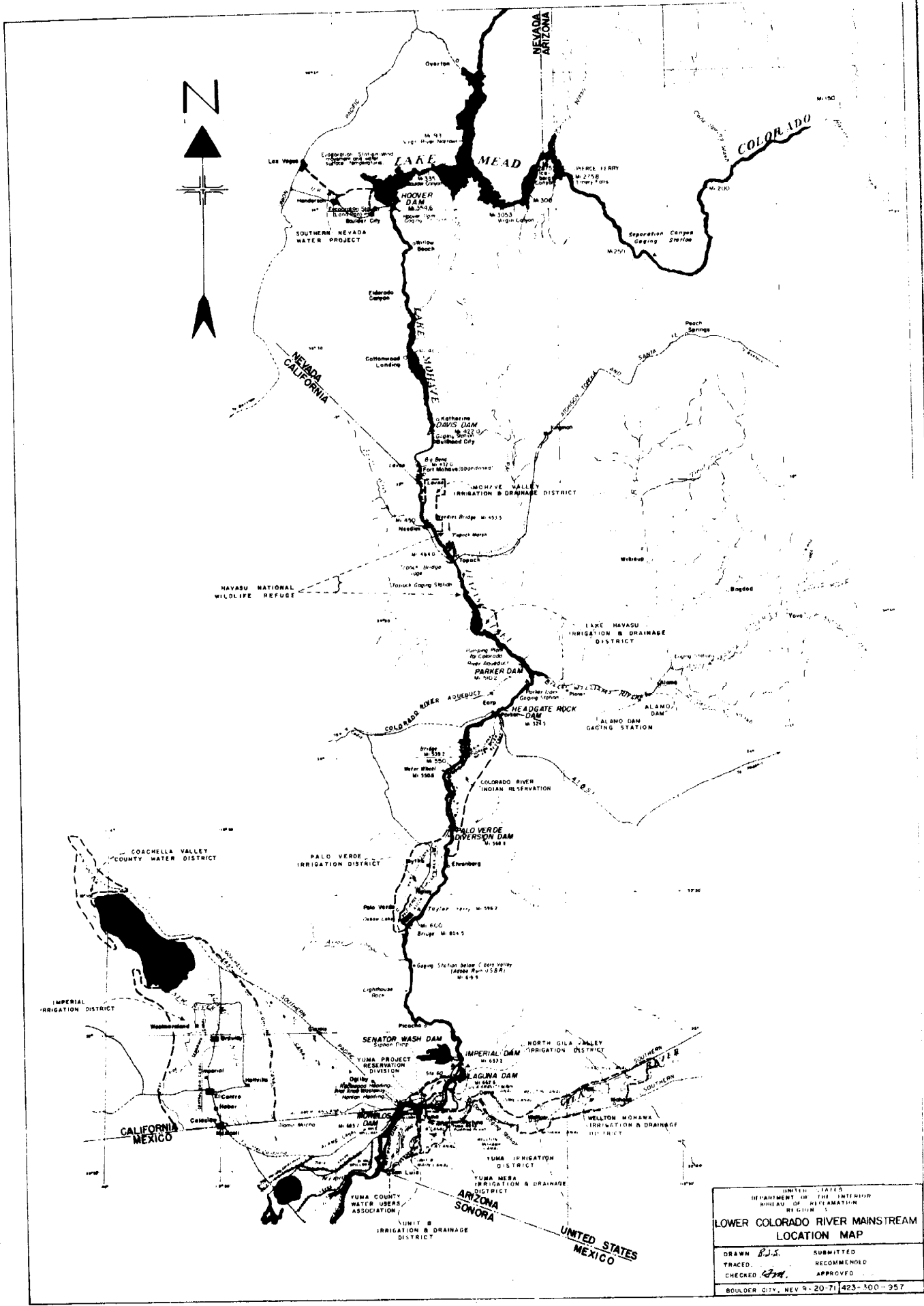
CALENDAR YEAR 1973

Division of Water and Land Operations
Boulder City, Nevada

August 20, 1974

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UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 BUREAU OF WATER RESOURCES

**LOWER COLORADO RIVER MAINSTREAM
 LOCATION MAP**

DRAWN <i>P.J.S.</i>	SUBMITTED
TRACED	RECOMMENDED
CHECKED <i>W.M.</i>	APPROVED

BOULDER CITY, NEV. 4-20-71 423-300-957

RECORDS OF RELEASES OF WATER THROUGH REGULATORY
STRUCTURES IN ACCORDANCE WITH ARTICLE V(A) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

- - -

CALENDAR YEAR 1973

The following tabulations for calendar year 1973 show final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams the records are furnished by the Geological Survey based on measurements at or below the structures. Studies are being continued to monitor the accuracy of the flowmeters at Hoover Dam where water budget studies indicate the meters are underregistering the flow. Funding for replacement of the present flowmeters with acoustic flowmeters has been approved and design data are being developed to accomplish the work.

The record of riverflow through Headgate Rock Dam was computed using the record of flow at the gaging station "Colorado River below Parker Dam, Arizona-California," and deducting from it the record of flow at the gaging station "Diversion for Colorado River Indian Reservation, near Parker, Arizona." The diversions are made at Headgate Rock Dam.

RELEASE OF WATER THROUGH REGULATORY STRUCTURES
CONTROLLED BY THE UNITED STATES

(VIA)

CALENDAR YEAR 1973

Final Records

(ACRE - FEET)

STRUCTURE	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Hoover Dam	581,000	553,600	610,700	864,800	1,011,000	683,200	823,200	856,800	659,400	559,800	526,500	571,200	8,302,000
Davis Dam	488,500	412,300	709,200	944,500	888,400	820,200	957,000	838,000	756,100	596,600	421,900	448,400	8,221,000
Parker Dam	355,300	347,600	641,600	799,700	696,400	672,900	829,100	726,100	644,000	484,000	309,600	340,400	6,847,000
Headgate Rock Dam 1/	350,300	293,800	590,600	729,400	622,900	601,900	747,600	651,900	577,600	430,800	276,500	310,200	6,184,000
Palo Verde Dam 2/	312,600	273,900	515,600	628,300	517,400	482,600	609,800	534,000	471,100	376,500	246,100	271,600	5,240,000
Imperial Dam 3/	16,780	20,060	24,600	22,100	19,260	17,310	23,440	34,410	17,820	16,810	16,120	15,430	244,100
Laguna Dam	19,520	21,570	25,600	23,100	19,520	18,800	23,840	32,060	19,970	15,930	16,060	16,060	254,000

1/ Colorado River below Parker Dam less diversions at Headgate Rock Dam.

2/ Measured through river gates at Palo Verde Dam.

3/ Includes diversion to Mittry Lake.

RECORDS OF DIVERSIONS, RETURN FLOWS, AND CONSUMPTIVE USE
IN ACCORDANCE WITH ARTICLE V(B) OF THE DECREE OF THE SUPREME
COURT OF THE UNITED STATES IN ARIZONA v. CALIFORNIA
DATED MARCH 9, 1964

- - -

CALENDAR YEAR 1973

The following tabulations for calendar year 1973 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream and consumptive use of such water by water user agencies which have contracts with the United States. The records were furnished by the Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation, National Park Service, Fish and Wildlife Service, and water user agencies. Diversions to All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user based on deliveries to each user at its turnout from the canal and a prorated amount of the conveyance loss from the canal. The loss proration was based on the quantity delivered to each user and the length of the canal through which it was carried.

The tables also show estimates of water use by water users other than those which have contracts with the United States. Records of quantities of water pumped by permittees under the Lower Colorado River Land Use Program and by others are incomplete or not available. Consequently, estimates of pumpage from the mainstream, from both the river and the underground, are shown for each State. Pumping from the underground was considered from only those wells located in the flood plain of the Colorado River between the toes of the slopes on either side of the valley. Supplemental sheets are enclosed which show the

estimates of water pumped by each diverter between Davis Dam and the International Boundary. The estimate of diversion by pumping during 1973 was made by two basic methods: (1) For most electric pumps, diversion was computed on a monthly basis from power records and a "kWh per acre-foot factor" that was determined by discharge measurements. (2) For pumps other than electric, a factor of 6 acre-feet per irrigated acre per year was used. Irrigated acres were determined by field inventory during the year made with the aid of aerial photographs which were taken during April 1970.

There may be undetermined amounts of unmeasured return flow reaching the Colorado River by means of underground flow from aquifers underlying water use areas. A Task Force on Ground-Water Return Flows to the Lower Colorado River, consisting of State and Federal members, was organized during 1970 to provide advice and guidance to the Bureau of Reclamation and the Geological Survey which are jointly conducting a study to determine the location and amounts of such unmeasured return flows. When quantities are determined they will be credited to the affected users and States in making the consumptive use computations.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

(8)

STATE OF ARIZONA

Sheet 1 of 4
Final Record
ACRE FEET

WATER USER	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		OCTOBER		NOVEMBER		DECEMBER		TOTALS	
	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	1/2		
Lake Mead National Recreation Area Diversion from Lake Mohave																									329 1/2	
Davis Dam and Government Camp Diversion at Davis Dam	5	5	6	15	19	33	38	42	41	40	30	26	31	39	26	2,877	2,807	2,322	1,435	514	12	17	13	9	238 1/2	
Mohave Valley Irrigation and Drainage District Pumped from wells and inlet channel to Havasu National Wildlife Refuge	247	462	1,112	2,138	2,747	2,534	2,807	2,807	2,877	2,322	1,435	514	12	17	13	9	238	329	1,040	4,230	4,230	1,040	30	1,735	19,655 1/2	
Havasu National Wildlife Refuge Inlet - NW 1/4 Sec. 33, T. 9 N., R. 23 E., S8M	1,620	0	1,510	1,590	3,380	8,810	5,480	5,480	5,180	6,020	6,220	4,230	1,040	4,230	4,230	1,040	4,230	4,230	6,220	4,230	4,230	1,040	30	1,735	45,080	
Less diversion from inlet channel by pump in SE 1/4 Sec. 24, T. 17 N., R. 22 W., G&SRM	20	0	98	193	247	240	263	263	267	205	128	44	30	44	44	30	44	44	128	44	44	30	30	30	30	1,735
1 well - NE 1/4 Sec. 15, T. 8 N., R. 23 E., SEM	0	0	0	0	0	2	100	100	12	57	28	23	0	23	23	0	23	23	57	23	23	0	0	0	0	222
Outlet - SW 1/4 Sec. 27, T. 16 N., R. 21 W., G&SRM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,160	1,310	264	264	264	2,734	
Lake Havasu Irrigation and Drainage District Pumped from wells	1,600	0	1,412	1,397	3,133	8,572	5,317	5,317	4,925	5,872	4,960	2,899	746	2,899	2,899	746	2,899	2,899	4,960	2,899	2,899	746	746	746	40,833	
Town of Parker 1 well - NW 1/4 Sec. 7, T. 9 N., R. 19 W., G&SRM	240	207	269	349	503	532	699	699	478	584	480	387	342	387	342	342	342	584	480	387	387	342	342	342	5,070 1/2	
1 well - SW 1/4 Sec. 15, T. 9 N., R. 20 W., G&SRM	36	28	40	60	101	108	164	164	167	106	72	52	46	52	46	46	46	106	72	52	52	46	46	46	980 1/2	

V(B)

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER

CALENDAR YEAR 1973
STATE OF ARIZONA

Sheet 2 of 4
Final Records
ACRE FEET.

WATER USER	1973												TOTALS
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
Colorado River Indian Agency Diversion at Headgate Rock Dam Pumped from 2 wells at Parker SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 2, T. 9 N., R. 20 W., G&SRM	5,010 3	53,830 3	51,030 3	70,340 3	73,530 4	70,970 4	81,460 4	74,160 4	66,420 4	53,160 3	33,070 3	30,220 3	663,200 41
1 well at Valley Field Office NW $\frac{1}{4}$ NE $\frac{1}{4}$ W $\frac{1}{4}$, Sec. 1, T. 8 N., R. 21 W., G&SRM	1	1	1	1	1	1	1	1	1	1	1	1	12
3 wells at Poston NW $\frac{1}{4}$, Sec. 36, T. 8 N., R. 21 W., G&SRM	2	3	3	3	4	4	4	4	4	3	3	3	40
3 pumps SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 14, T. 5 N., R. 22 W., G&SRM	797	600	832	1,728	2,202	502	663	1,355	2,705	1,250	1,040	435	14,109
3 pumps NE $\frac{1}{4}$ SW $\frac{1}{4}$ W $\frac{1}{4}$, Sec. 14, T. 4 N., R. 22 W., G&SRM	190 16,920 -10,917	128 30,030 24,535	85 32,760 19,174	145 35,500 36,720	214 36,760 39,175	152 32,750 38,883	259 32,130 50,261	317 36,690 39,151	423 36,600 32,957	216 35,980 18,655	28,020 6,097	22,110 8,552	2,131 376,290 303,243
Imperial National Wildlife Refuge 2 wells NW $\frac{1}{4}$ W $\frac{1}{4}$ W $\frac{1}{4}$, Sec. 13, T. 5 S., R. 22 W., G&SRM SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 13, T. 5 S., R. 22 W., G&SRM	8	8	6	3	3	2	1	46	71	46	15	15	224
Yuma Proving Ground, U.S. Army Diversion at Imperial Dam	0	0	0	2	1	0	0	0	0	0	3	1	7 1/
North Gila Valley Irrigation District Diversion at Imperial Dam	2,365 306 2,059	4,682 443 4,239	3,408 423 2,985	4,666 392 4,274	6,540 498 6,042	5,958 679 5,279	6,617 736 5,881	5,864 5,843 5,021	6,500 796 5,704	3,968 648 3,320	2,926 511 2,415	2,646 452 2,194	56,140 6,727 49,413
Warren Act Contractors Outside Gila Project Districts Diversion at Imperial Dam	109	0	79	94	0	0	0	77	310	58	35	24	786

Footnotes are on page 10

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

STATE OF ARIZONA

Sheet 3 of 4
Final Records
(ACRE - FEET)

WATER USER	YEAR 1973												TOTALS
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
Wellton-Mohawk Irrigation and Drainage District Diversion at Imperial Dam	21,675	23,867	30,243	57,820	59,461	53,947	65,416	59,937	53,397	31,898	21,703	16,273	495,639
	17,940	16,640	17,640	17,670	18,440	17,860	13,130	15,940	17,860	17,450	17,740	17,930	205,730
	3,735	7,227	12,703	40,550	41,021	36,087	52,286	43,997	35,537	14,448	3,963	-1,655	289,909
Yuma Irrigation District Diversion at Imperial Dam Pumped from Private Wells	2,791	3,109	4,684	6,423	8,039	6,190	5,873	4,857	4,917	5,015	2,907	1,824	56,729
	665	884	1,185	2,117	1,768	1,672	1,499	990	1,287	1,435	899	575	14,916
													14,916
Yuma Mesa Irrigation and Drainage District Diversion at Imperial Dam	11,233	9,205	12,771	17,778	27,938	29,076	33,312	30,027	23,052	17,893	12,500	11,780	236,565
													236,565
Unit "B" Irrigation and Drainage District Diversion at Imperial Dam	1,988	1,346	1,561	2,750	4,489	4,764	5,348	4,907	3,749	3,278	2,040	2,077	38,497
													38,497
Returns from South Gila Valley	5,311	3,956	6,749	6,400	2,301	4,871	7,041	4,017	4,315	4,367	3,637	4,457	57,422
													57,422
City of Yuma Diversion at Imperial Dam	662	634	739	982	1,343	1,344	1,489	1,349	1,259	1,019	792	703	12,315
	25	29	28	54	37	44	5	32	32	58	37	34	421
	637	605	711	928	1,306	1,300	1,484	1,309	1,227	961	757	669	11,894
Yuma County Water Users' Association Diversion at Imperial Dam Pumped from wells	17,419	15,688	25,184	36,605	39,873	32,359	39,357	37,166	34,153	26,857	15,474	13,773	333,908
	714	558	611	662	806	702	825	581	862	969	874	751	8,915
	9,207	8,625	9,876	9,774	10,158	10,040	10,188	10,086	10,635	11,218	10,699	9,397	119,903
	8,986	7,821	15,919	27,493	30,521	23,021	29,994	27,661	24,380	16,608	5,649	5,127	222,920
Cocopah Indian Reservation Diversion at Imperial Dam Pumped from wells	56	0	195	134	38	44	79	84	92	41	46	15	824
	2	0	5	2	1	1	2	1	2	1	3	1	21
													21
Yuma Mesa Outlet Drain 8/ Other Users Pumping from Colorado River and wells in flood plain Davis Dam to International Boundary 9/	5,840	4,340	4,990	5,120	3,650	4,250	5,510	4,300	4,870	5,240	4,920	5,650	58,680
													58,680
	3,434	5,482	6,507	8,736	11,321	11,241	12,350	10,419	7,916	6,863	6,293	4,420	94,982
													94,982

Footnotes are on page 10

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

STATE OF ARIZONA

Sheet 4 of 4
Final Records
(ACRE FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
ARIZONA TOTALS	71,275	120,892	141,992	214,974	244,100	230,730	243,666	240,673	216,070	162,130	105,818	87,522	2,099,840
Diversion	57,949	64,063	72,386	74,510	71,864	70,484	68,740	74,510	73,168	52,137	24,872	60,254	827,907
Return	13,726	56,829	69,606	140,464	172,236	160,246	194,886	166,163	140,971	86,018	38,946	27,228	1,271,933
Consumptive Use													

1268 744
16-74

NOTE: The term "Consumptive Use" in this tabulation means measured diversion less measured return to the river.

- 1/ No surface returns.
- 2/ Calculated from monthly power records.
- 3/ Includes 119,139 acre-feet delivered to Mexico in excess of minimum treaty requirements pursuant to provisions of Minute No. 241.
- 4/ Pumped from underground and unassigned to districts as returns include quantities of drainage from Yum Mesa as well as from South Gila Valley.
- 5/ Includes deliveries to the following water users who have contracts with the United States:

Contractor	Point of Delivery (acre-feet)
City of Yuma	35
Desert Loan Memorial	111
Southern Pacific Company	12
Southern Pacific Company	48
Yum Mesa Fruit Growers Association	10
County of Yuma, Arizona	12
Marine Corps Air Station, Department of the Navy	2,195
TOTAL	2,723

6/ Includes deliveries to the following users who have contracts with the United States:

University of Arizona	997
Camille Allec, Jr.	104

7/ Includes deliveries to the following water users who have contracts with the United States:

Yuma Union High School District	243
City of Yuma - Saucher Park	136

8/ Returns include unknown quantities of drainage returns from Yuma Mesa Irrigation and Drainage District and Unit "B" Irrigation and Drainage District as well as from Yuma County Water Users' Association and Cocopah Indian Reservation.

9/ Details on Arizona Supplemental Sheets 1 - 4.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

V(8)

STATE OF ARIZONA

Sheet 1 of 5
Final Records
— ACRE FEET.

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS 1/
Foster, J. 6/ 1 Well, NW 1/4 Sec. 29, T. 20 N., R. 22 W., GASRM	3	2	0	7	17	17	27	3	0	8	6	4	94
Clayton, Ralph 2 Pumps SW 1/4 Sec. 34, T. 4 N., R. 22 W., GASRM	46	236	561	202	210	465	629	706	449	290	445	355	4,594
Clayton, Ralph 1 Well SW 1/4 Sec. 34, T. 4 N., R. 22 W., GASRM	6	0	53	6	111	2	33	63	32	23	1	0	330
Artellian Farms 2 Pumps SE 1/4 Sec. 16, T. 3 N., R. 22 W., GASRM													2,400 3/
Sprall, Wayne 1 Pump SE 1/4 Sec. 21, T. 1 N., R. 23 W., GASRM													3,192
Cibola Valley Irrigation and Drainage District 3 Pumps SE 1/4 Sec. 20, T. 1 N., R. 23 W., GASRM	472	1,783	1,824	2,726	3,588	2,747	3,628	1,722	1,066	349	329	266	20,500
Woodward 1 Pump SW 1/4 Sec. 2, T. 1 S., R. 24 W., GASRM													2,496
Snitzer and Coakrell 1 Pump NW 1/4 Sec. 31, T. 1 S., R. 23 W., GASRM													1,200
Subtotals - Davis Dam to Imperial Dam	527	2,021	2,438	2,941	3,926	3,231	4,317	2,494	1,547	670	781	625	25,518
Pratt, Loren 1 Well SW 1/4 Sec. 14, T. 7 S., R. 22 W., GASRM	193	736	886	1,072	1,428	1,176	1,571	909	561	245	283	228	9,288
1 Pump SE 1/4 Sec. 14, T. 7 S., R. 22 W., GASRM													450

Footnotes are on page 15

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

(18)

STATE OF ARIZONA

Sheet 2 of 5
Final Records
ACRE FEET

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS 1/
Tudor, Tom 1 Well SW ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ , Sec. 8, T. 8 S., R. 22 W., G&SRM													1,104
Sturges, Steve 7 Wells Sec. 18, T. 8 S., R. 21 W., and Sec. 13 and 14, T. 8 S., R. 22 W., G&SRM	839	1,087	1,529	1,702	2,263	2,603	1,589	1,999	1,602	1,640	1,692	1,224	19,769
Crowe, James 1 Well SE ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ , Sec. 7, T. 8 S., R. 22 W., G&SRM	31	17	163	44	77	106	127	166	66	0	0	0	797 3/
Fletcher and Moenk 1 Well SE ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ , Sec. 18 T. 8 S., R. 22 W., G&SRM	126	151	156	226	343	274	400	292	356	347	260	91	3,022 3/
Fletcher and Moenk 2 Wells SE ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄ , Sec. 18, T. 8 S., R. 22 W., G&SRM Lot 20, Sec. 31, T. 16 S., R. 23 E., SW 1 Pump SE ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ , Sec. 24, T. 8 S., R. 23 W., G&SRM													1,106
Vukasovich 1 Well SE ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ , Sec. 24, T. 8 S., R. 22 W., G&SRM	0	0	0	9	1	1	0	0	15	2	0	1	29
Harp, Earl 1 Well SE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 13, T. 8 S., R. 23 W., G&SRM													1,200
Bingham Cattle Co. 1 Well SE ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ , Sec. 19, T. 8 S., R. 22 W., G&SRM	55	36	39	53	43	114	176	106	121	146	105	90	1,084
Bingham Cattle Co. 1 Well SW ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ , Sec. 24, T. 8 S., R. 23 W., G&SRM	0	29	30	103	97	107	109	108	94	32	0	65	774
Bingham Cattle Co. 1 Well NE ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ , Sec. 23, T. 8 S., R. 23 W., G&SRM	0	28	33	87	110	164	172	115	201	152	40	0	1,102

DIVERSIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

(8)

STATE OF ARIZONA

Sheet 3 of 5
Final Records
ACRE FEET

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Bruce Church Company	4	3	2	4	3	2	0	0	0	0	0	0	18 3/4
1 Well													
SW 1/4 Sec. 22, T. 8 S., R. 23 W., G&SRM													
Power, Pete													684
1 Well													
NW 1/4 Sec. 31, T. 16 S., R. 23 E., SRM													
Munnaley, Slade													338
1 Well													
NE 1/4 Sec. 28, T. 16 S., R. 22 E., SRM													
Curtis, Armon													198 3/4
1 Pump													
SW 1/4 Sec. 29, T. 16 S., R. 22 E., SRM													
Power, Bill													2,430
1 Pump													
SW 1/4 Sec. 30, T. 16 S., R. 22 E., SRM													
Power, Pete													1,800
1 Pump													
SW 1/4 Sec. 30, T. 16 S., R. 22 E., SRM													
Hall, Ansil													240
1 Pump													
NW 1/4 Sec. 36, T. 16 S., R. 21 E., SRM													
Yucca Power Plant													900 2/3
2 Wells													
NE 1/4 Sec. 36, T. 16 S., R. 21 E., SRM													
NE 1/4 Sec. 36, T. 16 S., R. 21 E., SRM													
Burrell													192
1 Well													
NW 1/4 Sec. 33, T. 8 S., R. 24 W., G&SRM													
Cannon, J. O.													840
1 Well													
NW 1/4 Sec. 25, T. 9 S., R. 25 W., G&SRM													
Rudson, C. A.													2,604 3/4
1 Well													
SE 1/4 Sec. 19, T. 9 S., R. 24 W., G&SRM													

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

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STATE OF ARIZONA

Sheet 4 of 5
Final Records
ACRE FEET

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Rudson, C. A. 1 Well NE ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ , Sec. 19, T. 9 S., R. 24 W., GASRM	66	51	27	52	82	186	211	324	352	307	162	67	1,887 3/
Rudson, C. A. 1 Well NW ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ , Sec. 19, T. 9 S., R. 24 W., GASRM	66	48	27	53	81	176	205	307	380	385	205	131	2,064 3/
Conesaul, Lee 1 Well NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 31, T. 9 S., R. 24 W., GASRM	0	0	0	0	0	0	404	371	268	312	600	176	2,131
Conesaul, Lee 1 Well NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 36, T. 9 S., R. 25 W., GASRM	337	117	308	342	344	438	238	230	153	198	408	102	3,215
Brand, Wayne 1 Well NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 35, T. 9 S., R. 25 W., GASRM													858
Sibley, Phil 1 Well NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 1, T. 10 S., R. 25 W., GASRM	158	296	12	386	601	630	474	508	0	352	102	334	3,853 3/
Sibley, Phil 1 Well NE ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ , Sec. 2, T. 10 S., R. 25 W., GASRM													1,086
Sibley, Phil 1 Well NW ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ , Sec. 14, T. 10 S., R. 25 W., GASRM	62	86	0	159	146	118	89	39	0	95	0	141	935 2/
Daniel, A. T. 1 Pump SW ¹ / ₄ SW ¹ / ₄ NE ¹ / ₄ , Sec. 23, T. 10 S., R. 25 W., GASRM													360
Cummings, C. and J. 1 Well NW ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 26, T. 10 S., R. 25 W., GASRM													816
Barkley, J. 1 Well NE ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ , Sec. 35, T. 10 S., R. 25 W., GASRM													360

Footnotes are on page 1.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973
STATE OF ARIZONA

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Sheet 5 of 5
Final Records
(ACRE - FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Green, Willis A. D Well SMBW ² 324, Sec. 2, T. 11 S., R. 25 W., GASHM	52	47	21	82	75	39	54	43	51	21	7	0	492 3/
Diversions													
Bugher, Earl D Well SMBW ² 324, Sec. 3, T. 11 S., R. 25 W., GASHM	130	70	111	195	219	55	119	148	150	7	141	93	1,438 3/
Diversions													
Subtotals - Imperial Dam to Boundary	2,085 629	2,183 542	2,627 596	3,709 1,014	4,726 1,241	5,417 1,417	4,832 1,630	5,336 1,680	4,402 1,406	4,506 1,442	4,045 1,184	2,782 785	46,650 13,526
Diversions													
Other Users Pumping from Colorado River and wells in Flood Plain - Davis Dam to International Boundary included in Arizona totals on page 9	3,434	5,482	6,507	8,736	11,321	11,241	12,350	10,419	7,916	6,863	6,293	4,420	94,982
Diversions													

1/ Calculated by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.
 2/ Record furnished by diverter.
 3/ Calculated from monthly power records and power-discharge measurements where available, and where power-discharge measurements were not available calculated from average power-discharge rate.
 4/ Total of items for which monthly distribution is shown.
 5/ Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of other users in immediate area.
 6/ Previously reported under Mohave Valley Irrigation and Drainage District.

(B)

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

STATE OF ARIZONA
Revision to 1971 Report

ACRE FEET

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Revision to 1971 Report													
City of Yuma													
Diversions at Imperial Dam	656	624	831	872	1,049	1,369	1,604	1,355	1,242	868	738	611	11,819
Return	-3	35	23	41	36	24	48	57	30	20	19	25	355
Consumptive Use	659	589	808	831	1,013	1,345	1,556	1,298	1,212	848	719	586	11,464
ARIZONA TOTALS	87,526	142,676	184,665	209,483	215,183	212,671	296,895	226,522	212,785	133,435	107,933	97,781	2,085,575
Diversions	52,669	54,664	70,885	67,530	64,965	63,018	71,242	74,599	68,891	68,746	65,704	65,959	788,852
Return	34,857	88,012	113,800	141,953	150,218	149,633	185,653	151,923	143,894	64,689	42,229	31,822	1,296,723
Consumptive Use													

(VIB)
 DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
 CONSUMPTIVE USE OF SUCH WATER
 CALENDAR YEAR 1973

STATE OF CALIFORNIA

Sheet 1 of 3
 Final Records
 ACRE FEET

WATER USER	CALENDAR YEAR 1973												TOTALS
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
City of Needles 4 wells - NE1/4SW1/4, Sec. 29, T. 9 N., R. 23 E., SBM	116 27 89	95 24 71	106 26 80	244 49 195	364 36 328	474 43 431	552 103 449	443 116 327	431 91 340	292 68 224	194 45 149	140 42 98	3,451 670 2,781
San Bernardino County 1 well	1	1	1	1	1	2	2	2	1	1	1	1	15
Metropolitan Water District of Southern California Diversion from Lake Havasu	107,544	67,258	57,922	94,058	108,179	104,851	108,332	107,672	104,473	107,461	104,236	98,134	1,170,140 1/
Colorado River Indian Reservation 6/ 1 pump - SW1/4NW1/4, Sec. 13, T. 3 S., R. 23 E., SBM	24	23	19	25	50	56	66	49	57	0	0	48	417
1 pump - SW1/4NW1/4, Sec. 13, T. 3 S., R. 23 E., SBM	57	62	55	69	147	190	216	195	175	0	0	122	1,288
1 pump - NE1/4SW1/4, Sec. 13, T. 3 S., R. 23 E., SBM	42	79	57	93	163	192	244	232	179	0	0	0	1,281
1 pump - NE1/4SE1/4, Sec. 25, T. 3 S., R. 23 E., SBM	0	0	46	184	75	0	396	106	251	0	0	0	1,058
1 pump - SE1/4SE1/4, Sec. 11, T. 4 S., R. 23 E., SBM	0	27	86	52	53	0	0	0	0	105	125	290	738
1 pump - SE1/4NW1/4, Sec. 36, T. 4 S., R. 23 E., SBM	4	5	39	75	63	95	112	41	80	36	6	40	596
1 pump - NE1/4NW1/4, Sec. 6, T. 5 S., R. 24 E., SBM	353	364	1,276	1,525	1,140	1,464	1,455	1,143	418	0	0	0	9,138
1 pump - NE1/4NW1/4, Sec. 6, T. 5 S., R. 24 E., SBM													
1 pump - NE1/4NW1/4, Sec. 6, T. 5 S., R. 24 E., SBM													
1 pump - NW1/4SE1/4, Sec. 7, T. 5 S., R. 24 E., SBM													
1 pump - NW1/4SE1/4, Sec. 7, T. 5 S., R. 24 E., SBM													
Return Consumptive Use													1/

Footnotes are on page 10

DIVERSIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

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STATE OF CALIFORNIA

Sheet 2 of 3
Final Records

(ACRE FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Parker Dam and Government Camp Diversion at Parker Dam	5 0 5	5 0 5	6 1 5	22 0 22	23 0 23	23 1 22	60 0 60	60 1 59	60 1 59	13 0 13	13 0 13	12 1 11	302 5 297
Palo Verde Irrigation District Diversion at Palo Verde Diversion Dam	37,360 29,130 8,230	39,610 29,090 10,720	59,980 31,370 28,610	101,900 35,640 66,260	110,100 43,450 66,650	102,400 40,770 61,630	117,900 42,640 75,260	104,600 45,390 59,210	92,510 44,840 47,670	61,620 40,480 21,140	48,140 37,790 10,350	43,830 34,310 9,520	920,150 454,900 465,250
City of Rhythe 10 wells - In Sections 29, 32, and 33, T. 6 S., R. 23 E., SEM	104	101	112	231	294	385	538	370	377	208	213	141	3,074 ^{1/2}
East Rhythe County Water District Pumped for domestic use from 2 wells, one in NE1/4, NW1/4 and other in NE1/4, SW1/4 of Sec. 33, T. 6 S., R. 23 E., SEM	26	28	25	32	46	45	56	54	46	38	37	32	465 ^{1/2}
Yuma Project Reservation Division, Indian Unit Diversion at Imperial Dam	2,249	2,920	3,451	4,632	3,105	2,471	2,889	3,803	4,605	4,647	2,309	1,474	38,555
Yuma Project Reservation Division - Bard Unit Diversion at Imperial Dam	1,982	2,274	2,704	5,337	6,054	4,829	6,550	5,921	5,053	4,188	3,136	1,735	49,763
Returns from Yuma Project Reservation Division Drains	1,833	1,750	1,942	2,009	2,188	1,886	2,140	2,096	2,068	2,247	2,296	2,000	24,455
Imperial Irrigation District Diversion at Imperial Dam	187,069	150,822	266,619	347,210	329,831	283,324	296,269	287,020	294,193	259,853	184,848	160,841	3,047,899 ^{1/2}
Coachella Valley County Water District Diversion at Imperial Dam	29,736	25,923	34,740	44,932	55,355	56,223	64,650	59,318	54,451	42,757	28,251	26,020	522,356 ^{1/2}
City of Winterhaven 1 well - SE1/4, NE1/4, Sec. 27, T. 16 S., R. 22 E., SEM													61,311 ^{1/2}

Footnotes are on page 19

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

(18)

STATE OF CALIFORNIA

Sheet 3 of 3
Final Records
ACRE FEET

WATER USER	CALENDAR YEAR 1973												TOTALS
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
Other California Users Pumping from Colorado River and Wells in Flood Plain - Davis Dam to International Boundary ^{1/}	1,038	1,191	2,050	1,923	3,011	3,045	3,702	3,908	2,870	1,597	1,353	1,119	26,807
Consumptive Use													
Diversion	367,710	290,988	429,294	602,545	618,054	560,059	603,989	574,937	560,230	482,836	372,862	333,979	5,797,577
Return	30,990	30,864	33,339	37,698	45,674	42,700	44,883	47,603	47,000	42,795	40,131	36,553	480,030
Consumptive Use	336,720	260,124	395,955	564,847	572,380	517,359	559,106	527,334	513,230	440,041	332,731	297,626	5,317,547
CALIFORNIA TOTALS													

NOTE: The term "Consumptive Use" in this tabulation means measured diversion less measured returns to river.

- 1/ No surface returns.
- 2/ Returns unassigned include unknown quantities of drainage from the Indian Unit and the Bard Unit in the Reservation Division but exclude seepage from the All-American Canal.
- 3/ Monthly distribution not available.
- 4/ Details on California Supplemental Sheets 1-5.
- 5/ The total is 84 acre-feet greater than the sum of monthly totals because of nonavailable monthly distribution of diversions by City of Winterhaven.
- 6/ Calculated from monthly power records and power discharge measurement where available, and where power-discharge measurements were not available calculated from average power-discharge rate.

DIVERSIONS
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

STATE OF CALIFORNIA

(18)

Supplemental Sheet 1 of 4
Other users pumping from
Colorado River and wells in flood plain
-ACRE- FEET

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Williams, Floyd 1 Well SE ¹ NE ¹ SW ⁴ , Sec. 36, T. 11 N., R. 21 E., S8M													660
Williams, Floyd 1 Well NW ⁴ NE ⁴ SE ⁴ , Sec. 36, T. 11 N., R. 21 E., S8M													492
Williams, Floyd 1 Well NE ⁴ SW ⁴ SE ⁴ , Sec. 31, T. 11 N., R. 22 E., S8M													810
Southern California Gas Company 2 Wells SE ⁴ SE ⁴ SE ⁴ , Sec. 29, T. 9 N., R. 23 E., S8M													188 2/
P. G. and E. Compressor Station 1 Well (diversion in Arizona) NW ⁴ SW ⁴ NE ⁴ , Sec. 2, T. 15 N., R. 21 W., C4SRM													84 2/
Crevolin, A. 1 Well SE ⁴ NE ⁴ SE ⁴ , Sec. 9, T. 1 S., R. 24 E., S8M	0	0	0	0	0	0	0	0	33	105	36	0	174 3/
Crevolin, A. 1 Well NE ⁴ SW ⁴ SE ⁴ , Sec. 9, T. 1 S., R. 24 E., S8M	6	10	15	36	30	39	29	33	41	17	0	0	256
Crevolin, A. 1 Well SE ⁴ NE ⁴ SE ⁴ , Sec. 9, T. 1 S., R. 24 E., S8M	145	242	150	272	255	318	325	310	337	240	104	24	2,722
Iye R. L. 1 Well SE ⁴ NE ⁴ NE ⁴ , Sec. 16, T. 1 S., R. 24 E., S8M	3	4	2	7	7	9	10	18	12	11	5	5	93 3/
Subtotals - Davis Dam to Imperial Dam	154	256	157	315	292	366	364	361	423	373	145	20	3,215
	81	103	210	295	240	297	358	270	195	63	35	65	2,230
	150	150	150	150	150	150	150	150	150	150	150	150	150

Footnotes are on page 23

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

STATE OF CALIFORNIA

(B)

Supplemental Sheet 2 of 4
Other users pumping from
Colorado River and wells in flood plain
ACRE FEET

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS 1/
Spencer and Franklin 1 Well and 1 Pump SP2-SE1-5W4, Sec. 35, T. 15 S., R. 23 E., SEM													636
Gertz 1 Well SP2-SE1-5W4, Sec. 35, T. 15 S., R. 23 E., SEM													384
Berryman, Harley 1 Well SP2-SE1-5W4, Sec. 2, T. 16 S., R. 23 E., SEM	31	118	96	88	219	298	285	330	140	96	88	184	1,973 3/4
Power, Pete 1 Pump SP2-SE1-5W4, Sec. 15, T. 16 S., R. 23 E., SEM													1,992
Mitchell, Hayden 1 Well SP2-SE1-5W4, Sec. 22, T. 16 S., R. 23 E., SEM	0	61	49	67	92	91	98	99	61	55	0	20	693 3/4
Slade 1 Well SP2-SE1-5W4, Sec. 6, T. 8 S., R. 22 W., CASRW													1,440
Harp, Robert 1 Well SP2-SE1-5W4, Sec. 6, T. 8 S., R. 22 W., CASRW													900
Spencer, M. E. 1 Well SP2-SE1-5W4, Sec. 9, T. 16 S., R. 23 E., SEM	108	1	25	82	84	89	123	117	85	20	22	0	759 3/4
Coley, Marvin 1 Well SP2-SE1-5W4, Sec. 18, T. 16 S., R. 23 E., SEM	76	65	76	0	150	144	138	143	143	127	122	0	1,164 3/4
Martin, Marvin 1 Pump SP2-NE1-4W4, Sec. 1, T. 8 S., R. 23 W., CASRW	0	0	3	5	7	10	16	17	13	2	2	0	75 3/4
Martin, Marvin 1 Pump SP2-NE1-4W4, Sec. 1, T. 8 S., R. 23 W., CASRW	25	54	70	99	170	234	178	141	136	145	124	107	1,492 3/4

Footnotes are on page 23

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

STATE OF CALIFORNIA

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Supplemental Sheet 3 of 4
Other users pumping from
Colorado River and wells in flood plain
(ACRE FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS 1/
Harp, Robert I Pump SHEPHERD, Sec. 2, T. 8 S., R. 23 W., GASRM	13	0	155	0	25	20	207	468	214	0	0	0	1,102 3/
Harp, Robert I Well SHEPHERD, Sec. 2, T. 8 S., R. 23 W., GASRM	19	0	250	32	121	172	314	274	159	0	0	0	1,341 3/
Harp, Robert I Well SHEPHERD, Sec. 12, T. 8 S., R. 23 W., GASRM	16	5	97	16	50	58	123	146	58	42	34	26	671 3/
Harp, Robert I Well SHEPHERD, Sec. 1, T. 8 S., R. 23 W., GASRM													720
Harp, Robert I Well SHEPHERD, Sec. 1, T. 8 S., R. 23 W., GASRM													624
Harp, Robert I Well SHEPHERD, Sec. 12, T. 8 S., R. 23 W., GASRM	30	0	71	81	29	22	37	25	2	0	0	0	297 3/
Harp, Paul I Well SHEPHERD, Sec. 12, T. 8 S., R. 23 W., GASRM													964
Harp, Paul I Well SHEPHERD, Sec. 12, T. 8 S., R. 23 W., GASRM	103	44	78	133	232	55	102	40	47	81	48	134	1,097 3/
Harp, Paul I Well SHEPHERD, Sec. 11, T. 8 S., R. 23 W., GASRM													1,104
Harp, Paul I Well SHEPHERD, Sec. 19, T. 16 S., R. 23 E., SEM	11	72	4	89	167	107	38	43	74	107	242	150	1,104
Harp, Paul I Well SHEPHERD, Sec. 27, T. 16 S., R. 22 E., SEM	12	6	0	1	1	1	39	10	29	2	3	2	106 3/

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DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

STATE OF CALIFORNIA

Supplemental Sheet 4 of 4
Other users pumping from
Colorado River and wells in flood plain
(ACRE FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS 1/
Slade, William	13	14	13	49	20	29	52	59	30	9	0	0	288 3/
1 Pump SHEPHERD, Sec. 29, T. 16 S., R. 22 E., SEM													
Hudson, C. A.	32	63	0	45	100	93	43	51	158	0	28	0	613 3/
1 Pump NEWMAN, Sec. 29, T. 16 S., R. 22 E., SEM													
G. and L. FARMS	0	0	16	11	35	25	18	28	18	18	0	0	169
1 Well NEWMAN, Sec. 29, T. 16 S., R. 22 E., SEM													
Subtotals - Imperial Dam to Boundary	489	506	1,012	798	1,502	1,448	1,811	1,991	1,367	704	713	623	12,964
	314	326	652	515	968	934	1,169	1,286	881	457	460	402	8,364
Other California users pumping from Colorado River and wells in flood plain - Davis Dam to International Boundary included in California totals on page 19	1,038	1,191	2,050	1,923	3,011	3,045	3,702	3,908	2,870	1,597	1,353	1,119	26,807

1/ Calculated by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.
2/ Record furnished by diverter.
3/ Calculated from monthly power records and power-discharge measurements where available, and where power-discharge measurements were not available calculated from average power-discharge rate.
4/ Total of items for which monthly distribution is shown.
5/ Total of items for which monthly distribution is not shown. Distributed according to monthly distribution of other users in immediate area.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1973

V(8)

STATE OF NEVADA

Sheet 2 of 2
Final Records
ACRE FEET

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
RAMELLI, WILLIAM C. Lot No. 3, Sec. 13, T. 32 S., R. 66 E., MDBM													3 6/
													2/
RIO ALTO VISTA PROPERTIES Sec. 24, T. 32 S., R. 66 E., MDBM													0 6/
													2/
SOUTHERN CALIFORNIA EDISON COMPANY Diversion at Pumping Plant in Sec. 24, T. 32 S., R. 66 E., MDBM	1,161	548	622	866	886	982	1,468	1,104	1,594	1,128	986	842	12,188
													2/
WIERKE, ARMIN T. 1 Pump All except W. 500' and E. 630' of Lot No. 1, Sec. 33, T. 32 S., R. 66 E., MDBM													1 6/
													2/
PORTNIER, WARREN E. 1 Pump W 1/2, Lot No. 1, Sec. 33, T. 32 S., R. 66 E., MDBM													42 6/
													2/
WELLS, JOHN C. 1 Pump E 1/2, Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDBM													10 6/
													2/
CAVANAGH, MILTON E. 1 Pump W 1/2, Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDBM													20 6/
													2/
NEVADA TOTALS	5,701	4,551	5,260	6,927	7,887	9,738	11,886	10,902	9,911	8,710	7,035	6,050	94,637 1/
	0	0	0	0	112	230	263	262	242	288	277	314	1,988
	5,701	4,551	5,260	6,927	7,775	9,508	11,623	10,640	9,669	8,422	6,758	5,736	92,649 1/

NOTE: The term "Consumptive Use" in this tabulation means measured diversion less return to the river.

1/ Delivered through the facilities of Southern Nevada Water Project.

2/ No surface returns.

3/ Divisions too small to tabulate monthly--not included in monthly total.

4/ Delivered through the facilities of Basic Management, Inc.

5/ Portions of return flow in Las Vegas Wash attributable to Basic Management, Inc., and to Las Vegas Valley Water District are not identified.

6/ Reports annually.

7/ The total is 79 acre-feet greater than the sum of the monthly totals because of the nonavailability of monthly distribution of items footnoted 3/ and 6/

RECORDS OF RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME AND QUANTITY OF SUCH
WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY
OR DIVERTED BY OTHERS IN ACCORDANCE WITH ARTICLE V(C) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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CALENDAR YEAR 1973

The following tabulations for calendar year 1973 show records of releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. Also shown are quantities of such rejected water delivered to Mexico in excess of Treaty requirements and quantities delivered to storage. The quantities delivered to storage were available to release for future use.

Water ordered but not diverted was analyzed daily for each diverter as the positive difference between the finally approved daily order and the mean daily delivery requested on the day the diversion was made. The monthly quantities shown on the tabulations are the sum of the daily positive quantities. Final approval of daily orders was given in advance of the delivery date by the amount of traveltime involved in conveying the water from the storage point to the diversion point on the mainstream. To the extent possible, "water ordered but not diverted" was delivered to others in satisfaction of their rights. The quantities of such deliveries are shown on the tabulation.

Deliveries of water to Mexico in satisfaction of the Mexican Treaty were scheduled based on Mexico's daily orders. Releases from storage were scheduled in sufficient quantities which, when added to return flows, would meet Mexico's daily orders. Deliveries of water to Mexico in satisfaction of the Treaty,

therefore, were considered to have been made entirely from releases from storage and from return flows scheduled for that purpose and not from water ordered but not diverted by other Colorado River water users. Therefore, the tabulations show no "water ordered but not diverted" as being delivered to Mexico in satisfaction of the Treaty.

To date, no orders are received for diversions from the Colorado River in Nevada so no sheet is included for Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any "water ordered but not diverted" would be retained for future use and would have no significant effect on scheduling of daily operations of the reservoir.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
VIC)

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1973
STATE OF ARIZONA

Sheet 1 of 3
Final Records
(ACRE - FEET)

WATER USER	STATE OF ARIZONA												TOTALS
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	
Colorado River Indian Reservation Diversion at Headgate Rock Dam	238	1,652	589	823	2,144	1,051	694	1,394	651	910	795	2,690	13,631
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	276	335	418	863	385	327	280	125	131	36	504	3,680
	238	1,299	222	405	1,281	666	367	1,114	526	779	759	2,186	9,842
	0	77	32	0	0	0	0	0	0	0	0	0	109
Yuma Proving Ground U.S. Army 2/ Diversion at Imperial Dam	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
North Gila Valley Irrigation District Diversion at Imperial Dam	738	617	992	629	736	748	748	770	430	518	383	434	7,743
	0	0	0	0	0	0	0	0	0	0	0	0	0
	133	161	123	329	323	111	105	266	264	337	46	139	2,337
	605	428	815	300	413	637	643	502	166	181	337	295	5,322
	0	28	54	0	0	0	0	0	0	0	0	0	84
Warren Act Contractors outside Gila Project Districts Diversion at Imperial Dam	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
Wellton-Mohawk Irrigation and Drainage District Diversion at Imperial Dam	1,755	3,560	5,480	226	3,122	553	1,317	9,063	5,288	2,233	822	2,434	35,852
	0	0	0	0	0	0	0	0	0	0	0	0	0
	619	763	323	117	1,706	156	742	1,831	3,541	1,559	131	1,168	12,656
	1,136	2,420	4,872	109	1,416	397	575	5,998	1,747	674	650	1,266	21,300
	0	377	285	0	0	0	0	1,234	0	0	0	0	1,896

(C)

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
 AND
 B. NOT DIVERTED BY PARTY ORDERING SAME

Sheet 2 of 3
 Final Records
 (ACME - FEET)

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 1973
 STATE OF ARIZONA

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Yuma Irrigation District Diversion at Imperial Dam	500	1,015	508	486	446	525	803	708	587	226	912	526	7,242
Ordered but not Diverted Delivered to Mexico in	0	0	0	0	0	0	0	0	0	0	0	0	0
Satisfaction of Treaty	52	378	20	309	164	27	113	192	446	77	81	139	1,998
Diverted by Others	448	601	446	177	282	498	690	466	141	149	831	387	5,116
Delivered to Storage 2/													
Delivered to Mexico in													
Excess of Treaty	0	36	42	0	0	0	0	50	0	0	0	0	128
Yuma Mesa Irrigation and Drainage District Diversion at Imperial Dam	1,279	1,559	1,856	1,023	1,269	742	212	1,991	1,331	1,273	1,490	1,605	15,630
Ordered but not Diverted Delivered to Mexico in	0	0	0	0	0	0	0	0	0	0	0	0	0
Satisfaction of Treaty	553	345	163	494	779	135	26	529	942	734	677	764	6,141
Diverted by Others	726	1,095	1,557	529	490	607	186	1,250	389	539	813	841	9,022
Delivered to Storage 2/													
Delivered to Mexico in													
Excess of Treaty	0	119	136	0	0	0	0	212	0	0	0	0	467
Unit B Irrigation and Drainage District Diversion at Imperial Dam	305	266	480	533	196	359	272	527	571	341	331	301	4,482
Ordered but not Diverted Delivered to Mexico in	0	0	0	0	0	0	0	0	0	0	0	0	0
Satisfaction of Treaty	20	115	2	295	97	46	20	59	442	230	101	192	1,619
Diverted by Others	285	151	444	238	99	313	252	468	129	111	230	109	2,829
Delivered to Storage 2/													
Delivered to Mexico in													
Excess of Treaty	0	0	34	0	0	0	0	0	0	0	0	0	34
City of Yuma Diversion at Imperial Dam	0	32	128	0	0	73	101	233	100	29	23	0	719
Ordered but not Diverted Delivered to Mexico in	0	0	0	0	0	0	0	0	0	0	0	0	0
Satisfaction of Treaty	0	10	9	0	0	29	77	117	38	14	13	0	307
Diverted by Others	0	20	115	0	0	44	24	115	62	15	10	0	405
Delivered to Storage 2/													
Delivered to Mexico in													
Excess of Treaty	0	2	4	0	0	0	0	1	0	0	0	0	7
Yuma County Water Users' Association Diversion at Imperial Dam	1,541	3,986	3,291	1,261	694	2,416	860	597	25	3,519	3,575	1,528	23,293
Ordered but not Diverted Delivered to Mexico in	0	0	0	0	0	0	0	0	0	0	0	0	0
Satisfaction of Treaty	1,236	1,218	240	1,125	343	954	658	299	10	1,696	2,106	1,119	11,004
Diverted by Others	305	2,572	2,945	136	351	1,462	202	297	15	1,823	1,469	409	11,986
Delivered to Storage 2/													
Delivered to Mexico in													
Excess of Treaty	0	196	106	0	0	0	0	1	0	0	0	0	303
Cocopah Indian Reservation Diversion at Imperial Dam	2	0	20	4	0	2	1	1	0	4	0	1	43
Ordered but not Diverted Delivered to Mexico in	0	0	0	0	0	0	0	0	0	0	0	0	0
Satisfaction of Treaty	2	0	1	3	0	1	1	0	0	2	5	1	16
Diverted by Others	0	0	18	1	0	1	0	1	0	2	3	0	26
Delivered to Storage 2/													
Delivered to Mexico in													
Excess of Treaty	0	0	1	0	0	0	0	0	0	0	0	0	1

Footnotes are on page 31

VIC)

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME

AND

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1973
STATE OF ARIZONA

Sheet 3 of 3
Final Records
(ACRE - FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Ordered but not Diverted Delivered to Mexico in Satisfaction of Treaty	6,358	12,687	13,344	4,985	8,607	6,469	5,008	15,284	8,983	9,073	8,338	9,519	108,635
Diverted by Others	2,615	3,266	1,216	3,090	4,275	1,844	2,069	3,573	5,808	4,780	3,196	4,086	39,758
Delivered to Storage 2/	3,743	8,586	11,434	1,895	4,332	4,625	2,939	10,211	3,175	4,273	5,142	5,493	65,848
Delivered to Mexico in Excess of Treaty	0	835	694	0	0	0	0	1,500	0	0	0	0	3,029
ARIZONA TOTALS													

1/ No orders received.
2/ Available for future use.

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1973
STATE OF CALIFORNIA

(C)

Sheet 1 of 2
Final Records
(ACME - FEET)

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Metropolitan Water District Diversion at Lake Havasu	656	0	0	552	321	149	168	828	527	1,039	764	166	5,150
Ordered but not Diverted Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	0	0	0	0	0	0	0	0	0	0	0	0	0
Delivered to Storage 1/	656	0	0	552	321	149	168	828	527	1,039	764	166	5,150
Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Palo Verde Irrigation District Diversion at Palo Verde Diversion Dam	1,636	3,424	3,515	865	1,365	623	1,224	2,722	2,979	1,980	3,255	1,652	25,240
Ordered but not Diverted Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	170	28	320	89	0	40	234	127	353	125	391	143	2,020
Delivered to Storage 1/	1,466	3,047	2,767	776	1,365	583	990	2,595	2,626	1,855	2,864	1,509	22,443
Delivered to Mexico in Excess of Treaty	0	349	428	0	0	0	0	0	0	0	0	0	777
Yuma Project Reservation Division - Bard Unit Diversion at Imperial Dam	274	484	374	213	729	1,052	1,052	481	452	487	310	325	6,233
Ordered but not Diverted Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	198	139	50	200	346	667	876	180	258	335	124	262	3,635
Delivered to Storage 1/	76	324	300	13	383	385	176	300	194	152	186	63	2,152
Delivered to Mexico in Excess of Treaty	0	21	24	0	0	0	0	1	0	0	0	0	46
Yuma Project Reservation Division - Indian Unit Diversion at Imperial Dam	317	623	477	186	538	541	469	312	416	544	230	274	4,927
Ordered but not Diverted Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	230	180	63	175	255	343	391	117	237	375	92	220	2,678
Delivered to Storage 1/	87	416	382	11	283	198	78	194	179	169	138	54	2,189
Delivered to Mexico in Excess of Treaty	0	27	32	0	0	0	0	1	0	0	0	0	60
Imperial Irrigation District Diversion at Imperial Dam	0	9,316	4,782	0	0	0	0	1,652	0	0	794	0	16,544
Ordered but not Diverted Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	0	194	0	0	0	0	0	159	0	0	0	0	353
Delivered to Storage 1/	0	8,271	4,258	0	0	0	0	1,245	0	0	794	0	14,568
Delivered to Mexico in Excess of Treaty	0	851	524	0	0	0	0	248	0	0	0	0	1,623

RECORDS OF DELIVERIES TO MEXICO OF WATER
IN SATISFACTION OF THE TREATY OF FEBRUARY 3, 1944,
AND WATER PASSING TO MEXICO IN EXCESS OF TREATY
REQUIREMENTS IN ACCORDANCE WITH ARTICLE V(D) OF THE
DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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CALENDAR YEAR 1973

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY V(D)

AND
 WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
 CALENDAR YEAR 1973

	Final Records (ACRE - FEET)												
	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Deliveries to Mexico in Satisfaction of Treaty	121,606	101,339	198,138	173,492	97,339	132,145	162,142	158,899	89,482	79,004	64,872	129,542	1,500,000
Passing to Mexico in Excess of Treaty Requirements	8,343	10,654	9,151	8,860	12,946	44	7,574	1,019	18,114	18,570	18,276	11,601	125,152 1/

1/ Includes 119,139 acre-feet delivered pursuant to Minute 241.

RECORDS OF DIVERSIONS OF WATER
FROM THE MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH ARTICLE V(E)
OF THE DECREE OF THE SUPREME COURT OF THE UNITED STATES
IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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CALENDAR YEAR 1973

DIVERSIONS OF WATER FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
 AND
 CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
 CALENDAR YEAR 1973

(VIE)

Final Records
 (ACRE - FEET)

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Gila River													
Diversion													0
Consumptive Use													0
San Francisco River													
Diversion													0
Consumptive Use													0