

UNITED STATES
DEPARTMENT OF THE INTERIOR
Cecil D. Andrus, Secretary

BUREAU OF RECLAMATION
R. Keith Higginson, Commissioner

LOWER COLORADO REGION
Manuel Lopez., Jr., 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

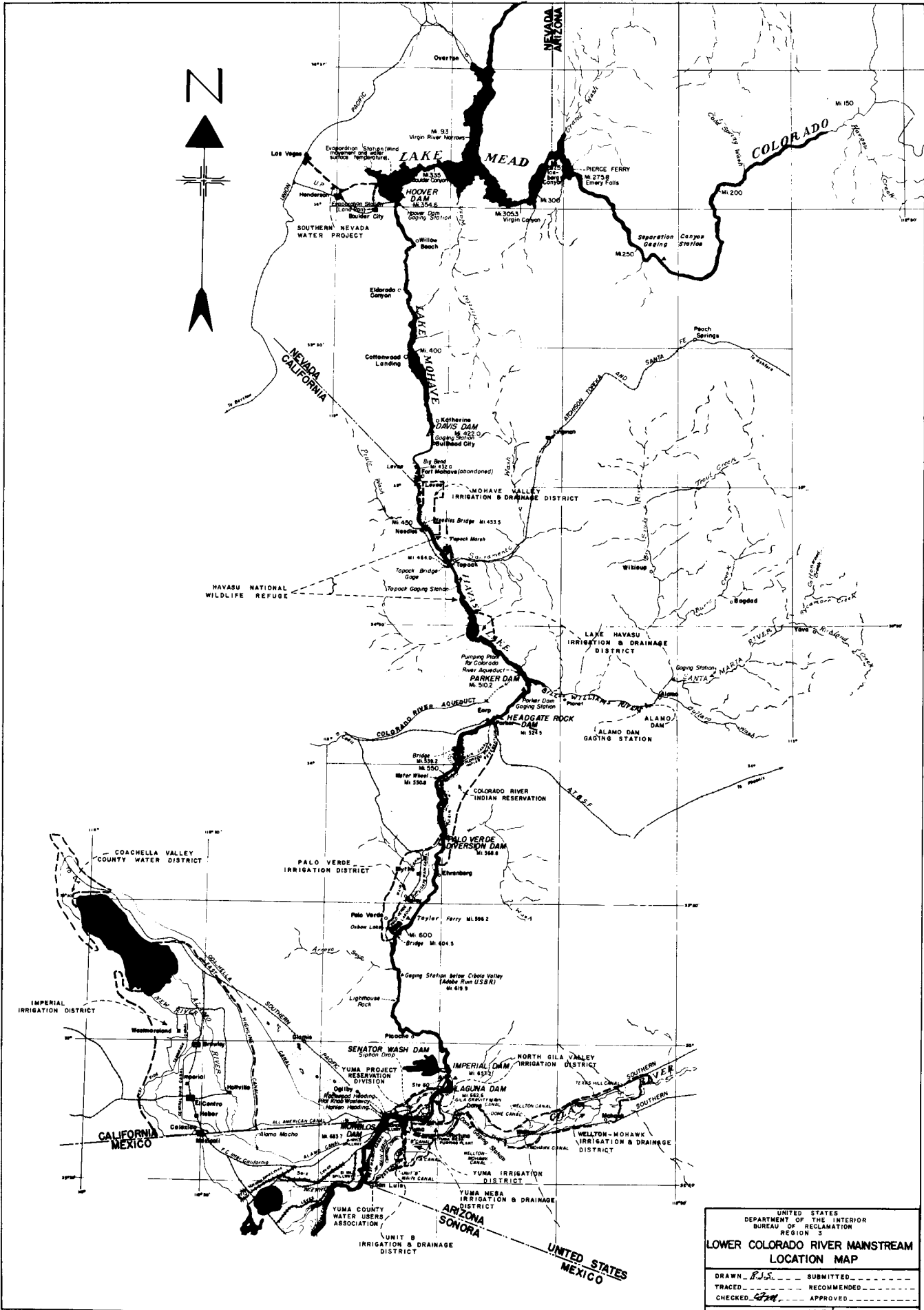
CALENDAR YEAR 1977

Division of Water and Land Operations
Boulder City, Nevada

October 15, 1978

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UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 REGION 3
**LOWER COLORADO RIVER MAINSTREAM
 LOCATION MAP**

DRAWN *R.J.S.* SUBMITTED _____
 TRACED _____ RECOMMENDED _____
 CHECKED *CFZ* APPROVED _____

BOULDER CITY, NEV. 9-20-71 423-300-957

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

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CALENDAR YEAR 1977

The following tabulations for calendar year 1977 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.

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 "Divisions 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

V(A)

CALENDAR YEAR 1977

(ACRE - FEET)

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Hoover Dam	250,400	608,200	854,100	988,000	760,600	720,100	892,500	875,900	469,300	428,400	462,600	562,800	7,873,000
Davis Dam	304,200	626,500	839,800	967,700	790,000	914,400	1,092,000	787,800	548,600	468,400	407,900	427,300	8,175,000
Parker Dam	257,600	498,500	683,000	811,600	651,900	760,300	956,200	687,600	460,300	347,800	288,100	308,500	6,711,000
Headgate Rock Dam ^{1/}	250,900	451,200	624,800	754,400	593,000	683,600	872,500	613,100	406,500	315,500	263,000	287,700	6,116,000
Palo Verde Dam ^{2/}	218,700	369,900	523,700	622,900	476,300	551,200	726,800	524,600	349,000	273,400	224,000	255,700	5,116,000
Imperial Dam ^{3/}	38,640	23,660	19,750	22,690	44,920	25,440	24,230	57,430	50,640	16,890	19,340	21,590	365,200
Laguna Dam	41,140	24,960	20,970	23,440	45,560	27,840	23,510	57,080	49,920	17,630	20,260	21,790	374,100

^{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 Mitty 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

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CALENDAR YEAR 1977

The following tabulations for calendar year 1977 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 1977 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 May - August 1976.

There are 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 program to determine the location and amounts of such unmeasured return flows. When quantities are determined, it is anticipated that such amounts 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 1977
STATE OF ARIZONA

(B)

ACRE FEET Sheet 1 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Lake Mead National Recreation Area Diversion from Lake Mohave	Diversion	8	11	12	19	16	28	40	25	31	24	16	11	251
	Return													<u>1</u>
	Consumptive Use													
Davis Dam and Government Camp Diversion at Davis Dam	Diversion	14	16	15	16	18	23	26	27	19	14	12	11	211
	Return													<u>1</u>
	Consumptive Use													
Mohave Valley Irrigation and Drainage District pumped from wells and inlet channel to Havasu National Wildlife Refuge	Diversion	247	659	1,175	3,236	2,456	3,287	5,115	4,438	2,436	722	739	426	24,936
	Return													<u>1</u>
	Consumptive Use													
Fort Mohave Indian Reservation Pumped from wells	Diversion	0	0	0	4,273	1,374	2,357	1,126	1,957	1,983	1,211	1,877	1,291	17,449
	Return													<u>1</u>
	Consumptive Use													
Havas National Wildlife Refuge Inlet - NW ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 33, T. 9 N., R. 22 E., G&SRM	Diversion	0	0	7,557	978	2,055	5,088	4,122	5,284	5,441	4,516	1,142	2,100	38,283
Less diversion from Inlet Channel pumped in SE ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ , Sec. 24, T. 17 N., R. 22 W., G&SRM	Diversion	0	0	112	330	246	329	522	449	243	65	68	36	2,400
1 well - NE ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 15, T. 8 N., R. 23 E., G&SRM	Diversion	0	0	12	2	3	8	7	8	9	7	2	3	61
	Return	157	0	0	0	0	0	0	0	0	0	4,104	0	4,261
	Consumptive Use	-157	0	7,457	650	1,812	4,767	3,607	4,843	5,207	4,458	-3,028	2,067	31,683
Lake Havasu Irrigation and Drainage District pumped from wells	Diversion	340	370	450	557	951	992	867	814	734	508	506	435	7,524
	Return													<u>1</u>
	Consumptive Use													
Graham Water Utilities, Inc.	Diversion	0	0	0	6	9	10	11	11	10	8	7	7	79
	Return													<u>1</u>
	Consumptive Use													
Holiday Harbor Utilities Company	Diversion	0	0	0	1	0	0	1	0	1	0	0	0	3
	Return													<u>1</u>
	Consumptive Use													
Town of Parker 1 well - NW ¹ / ₄ NE ¹ / ₄ NE ¹ / ₄ , Sec. 7, T. 9 N., R. 19 W., G&SRM	Diversion	43	48	61	73	74	97	111	103	88	69	52	43	862
	Return													<u>1</u>
	Consumptive Use													

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF ARIZONA

(B)

ACRE FEET Sheet 2 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Colorado River Indian Reservation														
Diversion at Headgate Rock Dam	Diversion	6,748	47,249	58,212	57,230	58,930	76,702	83,704	74,465	53,781	32,280	25,064	20,800	595,165
Pumped from 2 wells at Parker	Diversion	2	3	4	5	5	6	7	7	6	3	4	2	54
SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 2, T. 9 N., R. 21 W., G&SRM														
4 Wells in Poston														
NW $\frac{1}{4}$, Sec. 36, T. 8 N., R. 21 W., G&SRM	Diversion	3	4	4	5	6	7	8	8	7	6	4	3	65
3 pumps														
SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 14, T. 5 N., R. 22 W., G&SRM	Diversion	217	3,129	864	706	1,673	1,760	2,528	1,564	936	672	41	623	14,713
3 pumps														
NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 14, T. 4 N., R. 22 W., G&SRM	Diversion	250	388	689	684	824	541	36	431	634	674	682	449	6,782
1 well Hatch Center														
	Diversion	1	1	1	1	2	2	2	2	2	1	1	1	17
	Return	14,867	16,952	23,067	24,949	25,473	24,325	27,558	29,085	27,653	21,927	19,824	18,054	273,734
	Consumptive Use	-7,646	33,822	36,707	33,682	35,967	54,693	59,227	59,227	47,392	27,713	11,709	5,972	343,062
Cibola National Wildlife Refuge														
	Diversion	146	818	806	1,117	1,031	1,302	1,289	1,588	691	1,145	875	570	11,378
	Return													
	Consumptive Use													
Imperial National Wildlife Refuge														
2 wells														
NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 13, T. 5 S., R. 22 W., G&SRM	Diversion													155
SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 13, T. 5 S., R. 22 W., G&SRM	Return													
	Consumptive Use													
Yuma Proving Ground														
Diversion at Imperial Dam														
	Diversion	0	6	0	0	0	1	3	1	2	5	0	0	18
	Return													
	Consumptive Use													
North Gila Valley Irrigation District														
Diversion at Imperial Dam														
	Diversion	1,648	6,888	3,220	4,218	5,236	5,821	6,082	4,965	3,802	2,751	2,875	2,599	49,505
	Return	459	645	605	527	590	661	818	687	765	667	600	328	7,352
	Consumptive Use	1,189	5,643	2,615	3,691	4,646	5,160	5,264	4,278	3,037	2,084	2,275	2,271	42,153
Warren Act Contractors														
Diversion at Imperial Dam														
	Diversion	0	0	0	0	182	439	118	0	0	0	0	0	739
	Return													
	Consumptive Use													
Wellton-Mohave Irrigation and Drainage District														
Diversion at Imperial Dam														
	Diversion	14,522	34,090	38,873	48,454	43,055	52,563	59,681	46,484	39,446	26,001	24,056	17,211	444,436
	Return	18,522	16,713	10,584	17,544	16,868	17,604	18,076	17,818	17,377	18,302	16,713	18,107	204,228
	Consumptive Use	-4,000	17,377	28,289	30,910	26,187	34,959	41,605	28,666	22,069	7,699	7,343	-896	240,208

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF ARIZONA

(B)

(ACRE FEET) Sheet 4 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Arizona Totals	Diversion	50,968	144,340	172,085	188,005	185,117	238,360	263,650	209,900	172,484	119,390	96,765	76,762	1,917,981
	Returns	49,755	51,305	53,686	62,813	59,415	59,045	65,246	64,572	60,906	54,529	54,476	50,959	686,707
	Consumptive Use	1,213	93,035	118,399	125,192	125,702	179,315	198,404	145,328	111,578	64,861	42,289	25,603	1,231,274

NOTE: The term "Consumptive Use" in this tabulation means measured diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

- 1/ No surface returns.
- 2/ Calculated from monthly power records.
- 3/ Included in 206,822 acre-feet delivered to Mexico in excess of minimum treaty requirements pursuant to provisions of Minute No. 242.
- 4/ Pumped from underground and unassigned to districts as returns include quantities of drainage from Yuma 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	Annual Delivery (acre-feet)
City of Yuma	B3.7 Lateral	14
Desert Lawn Memorial	B3.7 Lateral	130
Southern Pacific Company	B3.7 Lateral	12
Southern Pacific Company	After bay of Yuma Mesa Pumping Plant	48
Yuma Mesa Fruit Growers Association	B3.7 W. Lateral	10
County of Yuma, Arizona	B3.8 Lateral	12
Marine Corps Air Station, Department of the Navy	B Canal and B-5.5 W. Lateral	2,041
TOTAL		2,267

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

University of Arizona	B Main Canal	618
Camille Alec, Jr.	B-8 Lateral	32

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

Yuma Union High School District	Yuma Main Canal	1,138
City of Yuma - Smucker Park	Yuma Main Canal	109

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

9/ Details on Arizona Supplemental Sheets 1-5.

10/ The sum of the annual totals are 155 A.F. greater than the sum of the monthly totals due to the nonavailability of the monthly diversions of Imperial National Wildlife Refuge.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF ARIZONA

(B)

ACRE FEET Sheet 1 of 5

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Clayton, Ralph 2 pumps SW ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ , Sec. 34, T. 4 N., R. 22 W., G&SRM	Diversion	2	2	114	7	10	78	81	123	64	50	2	2	535 <u>2</u>
1 well SW ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ , Sec. 34, T. 4 N., R. 22 W., G&SRM	Diversion	0	0	1	1	2	19	1	4	2	2	1	1	34 <u>2</u>
Arkelian Farms 2 pumps SE ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄ , Sec. 16, T. 3 N., R. 22 W., G&SRM	Diversion	77	79	297	189	407	319	252	1,185	509	57	24	55	3,450 <u>2</u>
Sprall, A. Towery 1 pump SE ¹ / ₄ SW ¹ / ₄ NW ¹ / ₄ , Sec. 21, T. 1 N., R. 23 W., G&SRM	Diversion													3,372
Cibola Valley Irrigation and Drainage District 3 pumps SE ¹ / ₄ SE ¹ / ₄ NE ¹ / ₄ , Sec. 20, T. 1 N., R. 23 W., G&SRM	Diversion	301	1,690	1,668	2,310	2,131	2,694	2,665	3,284	1,431	2,369	1,809	1,178	23,530 <u>2</u>
Swan, Ror	Diversion													1,623
Bishop, Louis 1 pump NW ¹ / ₄ SW ¹ / ₄ SW ¹ / ₄ , Sec. 31, T. 1 S., R. 23 W., G&SRM	Diversion													990
Martinez, Sam 2 pumps NW ¹ / ₄ NW ¹ / ₄ SW ¹ / ₄ , Sec. 1, T. 2 S., R. 24 W., G&SRM	Diversion													481
BLM Permittees Davis Dam to Imperial	Diversion													78
Subtotals - Davis Dam to Imperial Dam	Diversion	380	1,771	2,080	2,507	2,550	3,110	2,999	4,596	2,006	2,478	1,836	1,236	27,549
	Diversion	<u>90</u>	<u>421</u>	<u>494</u>	<u>596</u>	<u>606</u>	<u>739</u>	<u>712</u>	<u>1,092</u>	<u>476</u>	<u>588</u>	<u>436</u>	<u>294</u>	<u>6,544</u>

II

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF ARIZONA

(B)

ACRE FEET Sheet 2 of 5

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Pratt, Loren 1 well SW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 14, T. 7 S., R. 22 W., G&SRM													228
1 pump SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 14, T. 7 S., R. 22 W., G&SRM													222
Mellon Farms, Inc. 1 pump SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 14, T. 7 S., R. 22 W., G&SRM		0	6	8	6	7	0	0	0	4	4	0	35 <u>2/</u>
Harp, Robert 1 well SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 13, T. 8 S., R. 23 W., G&SRM													1,458
Dulin, Arlin 1 well 1 well SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 8 T. 8 S., R. 22 W., G&SRM		0	308	7	6	151	208	218	183	112	0	2	1,440 1,195 <u>2/</u>
Sturges, Steve 9 wells Sec. 18, T. 8 S., R. 21 W., and Sec. 13 and 14, T. 8 S., R. 22 W., G&SRM	367	1,293	1,300	1,462	1,750	1,586	2,082	1,656	838	886	1,307	1,126	15,653 <u>2/</u>
Yowelman, R. (Dulin A.) 1 well NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 17, T. 8 S., R. 22 W., G&SRM													720
Auza, Pete 1 well SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 18, T. 8 S., R. 22 W., G&SRM	0	58	72	147	116	199	260	212	184	86	171	108	1,613 <u>2/</u>
1 pump SE $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 24, T. 8 S., R. 22 W., G&SRM													1,380
1 well SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 18, T. 8 S., R. 22 W., G&SRM													1,380
Ott, Judd 1 well SE $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 10, T. 8 S., R. 22 W., G&SRM	27	62	49	27	32	48	69	67	27	21	26	37	492 <u>2/</u>
1 well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 30, T. 8 S., R. 22 W., G&SRM	0	0	11	36	36	78	69	58	42	58	41	52	481 <u>2/</u>

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF ARIZONA

(B)

ACRE FEET Sheet 3 of 5

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Cameron Bros. 1 well SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 24, T. 6 S., R. 22 W., G&SRM	Diversion	54	81	155	190	156	35	44	169	0	38	80	71	1,073 $\frac{2}{1}$
Vukasovich 2 wells SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 24, T. 6 S., R. 22 W., G&SRM SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 24, T. 6 S., R. 23 W., G&SRM	Diversion	27	37	57	60	64	55	80	76	99	57	29	39	660 $\frac{2}{1}$
Stanford, Robert L. 1 well SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 22, T. 6 S., R. 23 W., G&SRM	Diversion	0	0	0	24	67	52	64	93	44	0	0	0	344 $\frac{2}{1}$
Bingham Cattle Company 1 well NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 23, T. 6 S., R. 23 W., G&SRM	Diversion	0	14	20	19	10	31	23	37	13	5	0	10	182 $\frac{2}{1}$
Consaul, Lee 1 well NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 26, T. 9 S., R. 25 W., G&SRM	Diversion	47	157	128	155	226	191	240	64	0	121	339	259	1,927 $\frac{2}{1}$
1 well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 31, T. 9 S., R. 24 W., G&SRM	Diversion	112	342	283	356	522	427	567	141	0	189	678	588	4,205 $\frac{2}{1}$
Brand, Wayne 1 well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 35, T. 9 S., R. 25 W., G&SRM	Diversion													858
Sibley, Phil 1 well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 1, T. 10 S., R. 25 W., G&SRM	Diversion	33	128	228	245	212	63	334	120	152	79	44	83	1,721 $\frac{2}{1}$
1 well NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 2., T. 10 S., R. 25 W., G&SRM	Diversion													1,086
1 well NW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 14, T. 10 S., R. 25 W., G&SRM	Diversion	134	24	40	83	110	6	6	84	0	0	46	0	533 $\frac{2}{1}$
Daniel, A. T. 1 pump SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 23, T. 10 S., R. 25 W., G&SRM	Diversion													360
Cummings, C. & J. 1 well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 26, T. 10 S., R. 25 W., G&SRM	Diversion													960

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
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CALENDAR YEAR 1977
STATE OF ARIZONA

(B)

ACRE FEET Sheet 4 of 5

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS	
Barkley, J. 1 well NE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 25, T. 10 S., R. 25 W., G&SRM													360	
Brown, Willis A. 1 well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 2, T. 11 S., R. 25 W., G&SRM		0	179	28	57	39	59	104	85	20	0	0	13	564 <u>2/</u>
Hughes, Earl 1 well SW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 3 T. 11 S., R. 25 W., G&SRM		0	91	201	120	175	188	103	236	209	163	156	0	1,644 <u>2/</u>
Nurnaley, Slade 1 well NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 26, T. 16 S., R. 22 E., SEM		3	2	71	10	3	46	60	70	23	11	11	7	317 <u>2/</u>
Curtis, Armon 1 pump SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 29, T. 16 S., R. 22 E., SEM		0	0	0	10	0	0	4	15	4	4	0	0	37 <u>2/</u>
Power, Bill 1 pump SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 30, T. 16 S., R. 22 E., SEM														1,980
Ribelin (P. Power) 1 well NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 30, T. 16 S., R. 23 E., SEM														1,920
Hall, Ansil 1 pump NW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 36, T. 16 S., R. 21 E., SEM														480
Yucca Powerplant 2 wells NW $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 36, T. 16 S., R. 21 E., SEM NE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 36, T. 16 S., R. 21 E., SEM														799
Burrell 1 well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 23, T. 8 S., R. 24 W., G&SRM														192

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF ARIZONA

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ACRE FEET, Sheet 5 of 5

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Ranch 220 Trust 284														
1 well SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 19 T. 9 S., R. 24 W., G&SRM	Diversion	6	51	124	131	122	133	158	162	54	130	0	65	1,136 ^{2/}
1 well NE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 19, T. 9 S., R. 24 W., G&SRM	Diversion	7	35	71	73	68	81	101	97	30	73	1	37	674 ^{2/}
1 well NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 19, T. 9 S., R. 24 W., G&SRM	Diversion	6	32	63	62	59	71	84	86	25	62	0	31	581 ^{2/}
Arizona Subtotals														
Imperial Dam to International Boundary	Diversion ^{3/}	823	2,900	2,916	3,279	3,925	3,557	4,670	3,713	1,880	1,987	2,931	2,526	35,107
	Diversion ^{4/}	371	1,307	1,314	1,478	1,769	1,603	2,105	1,674	847	896	1,321	1,138	15,823
Arizona Totals	Diversion	1,664	6,399	6,804	7,860	8,850	9,009	10,486	11,075	5,209	5,949	6,524	5,194	85,023

^{1/} Calculated by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.

^{2/} Calculated from monthly power records and power-discharge measurements where available, and where power-discharge measurements were not available calculated from power-discharge rate.

^{3/} Total of items for which monthly distribution is shown.

^{4/} 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 1977
STATE OF CALIFORNIA

(b)

ACRE FEET: Sheet 1 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Fort Mohave Indian Reservation														
Pumped from wells	Diversion	0	0	0	3,066	992	1,702	813	1,413	1,432	874	1,356	932	12,600
	Return													
	Consumptive Use													
City of Needles														
4 wells	Diversion	167	183	271	343	327	426	508	400	393	334	259	177	3,788
NW ¹ / ₄ SW ¹ / ₄ , Sec. 29, T. 9 N., R. 23 E., SEM	Return	43	41	54	46	59	84	97	93	103	59	62	38	779
	Consumptive Use	124	142	217	297	268	342	411	307	290	275	197	139	3,009
San Bernardino County														
1 well	Diversion	1	1	1	1	1	2	2	2	1	1	1	1	25
	Return													
	Consumptive Use													
Metropolitan Water District of Southern California														
Diversion from Lake Havasu	Diversion	57,895	97,844	114,763	110,509	116,597	113,018	118,001	113,969	89,786	117,528	113,706	116,982	1,280,598
	Return	342	306	332	300	295	273	292	298	300	323	312	334	3,707 7/
	Consumptive Use	57,553	97,538	114,431	110,209	116,302	112,745	117,709	113,671	89,486	117,205	113,394	116,648	1,276,891
Parker Dam and Government Camp														
Diversion at Parker Dam	Diversion	11	12	16	18	19	25	28	26	22	18	13	11	219
	Return	1	1	1	1	2	2	2	2	2	1	1	1	17
	Consumptive Use	10	11	15	17	17	23	26	24	20	17	12	10	202
Colorado River Indian Reservation 6/														
1 Well-Big River, Sec. 5, T. 1 S., R. 25 E., SEM	Diversion	0	1	1	1	1	1	1	2	1	1	0	0	10
1 pump, SW ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ , Sec. 12, T. 17 N., R. 22 W., SEM	Diversion	14	50	76	156	80	237	244	204	166	56	67	48	1,398
1 pump, SW ¹ / ₄ NE ¹ / ₄ SW ¹ / ₄ , Sec. 13, T. 3 S., R. 23 E., SEM	Diversion	28	81	59	54	110	135	140	111	136	83	92	46	1,073
1 pump, SW ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ , Sec. 13, T. 3 S., R. 23 E., SEM	Diversion	0	107	25	146	162	179	180	82	215	113	142	134	1,485
1 pump, NE ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ , Sec. 13, T. 3 S., R. 23 E., SEM	Diversion	71	83	80	169	181	189	230	113	370	198	196	167	2,047
1 pump, NE ¹ / ₄ SW ¹ / ₄ SE ¹ / ₄ , Sec. 25, T. 3 S., R. 23 E., SEM	Diversion	0	0	0	138	27	78	127	144	82	6	0	0	602

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
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ACRE FEET. Sheet 2 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
1 pump, SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 11, T. 4 S., R. 23 E., SBM	Diversion	0	71	57	0	0	102	132	61	53	0	0	0	476
1 pump, SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 36, T. 4 S., R. 23 E., SBM	Diversion	6	33	36	50	72	86	87	49	61	18	74	17	589
1 pump, NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 6, T. 5 S., R. 24 E., SBM	Diversion	0	0	0	127	9	112	94	104	54	0	0	0	500
1 pump, NW $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 6, T. 5 S., R. 24 E., SBM	Diversion	0	0	0	205	14	233	207	337	107	0	0	0	1,103
1 pump, NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 7, T. 5 S., R. 24 E., SBM	Diversion	0	0	208	164	20	465	520	389	107	0	0	0	1,873
1 pump, NE $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 7, T. 5 S., R. 24 E., SBM	Diversion Return Consumptive Use	0 0 0	0 0 0	103 111 0	111 111 0	0 0 0	198 198 0	114 114 0	134 134 0	58 58 0	0 0 0	0 0 0	0 0 0	718 <u>1/</u>
Palo Verde Irrigation District Diversion at Palo Verde Dam	Diversion Return Consumptive Use	40,376 35,973 4,403	59,412 30,721 28,691	77,317 37,343 39,974	96,021 40,192 55,829	96,120 46,107 50,013	110,838 43,824 67,014	127,162 45,381 81,781	97,725 51,175 46,550	70,486 45,005 25,481	51,123 38,177 12,946	50,444 35,614 14,830	45,270 37,720 7,550	922,294 487,232 435,062
City of Blythe 10 wells in Secs. 29, 32, & 33, T. 6 S., R. 23 E., SBM	Diversion Return Consumptive Use	134 134 134	139 139 139	159 159 159	258 258 258	230 230 230	377 377 377	532 532 532	348 348 348	342 342 342	223 223 223	148 148 148	126 126 126	3,016 <u>1/</u>
East Blythe County Water District Pumped for domestic use from 23 wells one in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ and other in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$ of Sec. 33, T. 6 S., R. 23 E., SBM	Diversion Return Consumptive Use	23 23 23	27 27 27	30 30 30	35 35 35	44 44 44	47 47 47	59 59 59	64 64 64	47 47 47	42 42 42	34 34 34	28 28 28	480 <u>1/</u>
Yuma Project Reservation Division Indian Unit Diversion at Imperial Dam	Diversion Return Consumptive Use	1,190 1,190 1,190	3,389 3,389 3,389	2,746 2,746 2,746	2,832 2,832 2,832	3,531 3,531 3,531	4,777 4,777 4,777	6,043 6,043 6,043	3,908 3,908 3,908	2,259 2,259 2,259	1,265 1,265 1,265	1,260 1,260 1,260	951 951 951	34,151
Yuma Project Reservation Division Bard Unit Diversion at Imperial Dam	Diversion Return Consumptive Use	1,020 1,020 1,020	3,684 3,684 3,684	3,248 3,248 3,248	3,692 3,692 3,692	3,979 3,979 3,979	6,645 6,645 6,645	6,911 6,911 6,911	4,978 4,978 4,978	3,535 3,535 3,535	2,311 2,311 2,311	2,056 2,056 2,056	1,795 1,795 1,795	43,854
Returns from Yuma Project Reservation Division Drains	Returns <u>2</u>	1,958	1,799	1,980	1,841	2,129	2,161	2,262	1,863	1,830	1,438	1,490	1,654	22,405

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
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(ACRE - FEET) Sheet 3 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Imperial Irrigation District														
Diversion at Imperial Dam	Diversion	132,503	187,912	277,938	318,347	288,312	292,331	363,218	235,092	218,141	183,424	151,577	123,267	2,772,062
	Return													1/
	Consumptive Use													
Coachella Valley County Water District														
Diversion at Imperial Dam	Diversion	26,337	31,971	38,533	48,936	53,906	55,739	61,827	52,368	47,147	36,519	30,026	25,306	508,635
	Return													1/
	Consumptive Use													
City of Winterhaven														
1 well	Diversion													110
SE 1/4, Sec. 27, T. 16 S., R. 22 E., SEM	Return													3/
	Consumptive Use													1/
Other users pumping from Colorado River and wells in flood plain Davis Dam to International Boundary 4/	Diversion	336	543	2,219	1,673	1,607	2,591	3,213	3,095	1,392	438	258	422	17,787
	Return													1/
	Consumptive Use													
California Totals	Diversion	260,112	385,543	517,886	587,072	566,341	590,533	690,393	515,138	436,393	394,575	351,709	315,678	5,611,483
	Return	38,317	32,868	39,710	42,380	48,592	46,344	48,034	53,431	47,240	39,998	37,479	39,747	514,140
	Consumptive Use	221,795	352,675	478,176	544,692	517,749	544,189	642,359	461,707	389,153	354,577	314,230	275,931	5,097,343

NOTE: The term "Consumptive Use" in this tabulation means measured diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the 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 1-3.

5/ The total is 110 acre-feet greater than the sum of monthly totals because of nonavailable monthly distribution of diversion 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.

7/ Estimate based on measured regulatory reservoirs seepage returns less an estimated amount of phreatophyte use.

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
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CALENDAR YEAR 1977
STATE OF CALIFORNIA

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ACRE FEET Sheet 1 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Soto Brothers 1 well NW $\frac{1}{4}$ NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 36, T. 11 N., R. 21 E., SBM	Diversion													840
Deason, Richard (Tri-State) 1 well NW $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 31, T. 11 N., R. 22 E., SBM	Diversion													1,200
Lye, R. C. 1 well SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 16, T. 1 S., R. 24 E., SBM	Diversion													66
BIM Permittees Pumped for domestic use	Diversion													107
Subtotals - Davis Dam to Imperial Dam	Diversion <u>5/</u>	31	142	167	201	205	250	241	369	161	200	147	99	2,213 <u>3/</u>
Cole 1 well and 1 pump SW $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 35, T. 15 S., R. 23 E., SBM	Diversion													636
Berryman, Harley 1 well	Diversion	3	0	87	118	69	89	159	248	121	43	0	0	937 <u>3/</u>
Power, Pete 2 wells NE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 15, T. 16 S., R. 23 E., SBM NW $\frac{1}{4}$ SW $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 14, T. 16 S., R. 23 E., SBM	Diversion													1,992
Mitchell, Hayden 1 well SE $\frac{1}{4}$ SE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 22, T. 16 S., R. 23 E., SBM	Diversion	36	26	83	52	181	115	68	133	106	33	16	24	873 <u>3/</u>
Perez, F. (Slade) 1 well SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 6, T. 8 S., R. 22 W., G&SRM	Diversion	8	185	90	345	28	264	182	150	165	0	0	0	1,417 <u>3/</u>
Barrett (R. Harp) 1 well SE $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 6, T. 8 S., R. 22 W., G&SRM	Diversion													858
Spencer, M. E. 1 well SW $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 9, T. 16 S., R. 23 E., SBM	Diversion	10	6	101	22	12	65	122	127	0	0	0	0	465 <u>3/</u>

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF CALIFORNIA

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ACRE FEET Sheet 2 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Coley, Marvin 1 well SE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 18, T. 16 S., R. 23 E., SEM	Diversion	70	0	102	63	187	68	181	103	0	0	0	0	774 $\frac{3}{4}$
Martin, Marvin 1 pump NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion	0	0	0	0	0	6	5	6	7	0	0	0	24 $\frac{3}{4}$
1 pump SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion	0	0	105	94	0	68	143	136	64	0	0	4	614 $\frac{3}{4}$
Easterday, Anne 1 well SW $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion	0	5	128	14	11	94	95	106	7	0	0	0	460 $\frac{3}{4}$
Harp, Robert 1 well SW $\frac{1}{4}$ SE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 2, T. 8 S., R. 23 W., G&SRM	Diversion	0	0	127	0	0	114	186	219	44	0	0	0	690 $\frac{3}{4}$
1 well NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 2, T. 8 S., R. 23 W., G&SRM	Diversion	13	48	85	76	100	151	214	162	101	0	0	0	950 $\frac{3}{4}$
1 well NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion	7	7	92	32	79	131	124	47	5	17	5	32	578 $\frac{3}{4}$
1 well SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion	0	0	56	1	0	51	39	71	39	2	0	0	259 $\frac{3}{4}$
Taylor Bros. 1 well NE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 2, T. 8 S., R. 23 W., G&SRM	Diversion	0	0	0	0	0	0	0	0	0	39	17	74	130 $\frac{3}{4}$
F. Smith 1 well NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 11, T. 8 S., R. 23 W., G&SRM	Diversion													1,179
Dees, John F. 1 well SE $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion	61	59	122	153	232	241	278	230	184	136	74	78	1,848 $\frac{3}{4}$
Easterday, Kenneth 1 well NW $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion	0	0	101	37	47	101	128	116	11	1	47	49	638 $\frac{3}{4}$
Harp, Earl 1 well SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 13, T. 8 S., R. 23 W., G&SRM	Diversion													1,458

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
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WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS ^{1/}
Musgrave, (Barkley Co.) 1 well NE ¹ / ₄ SE ¹ / ₄ SW ¹ / ₄ , Sec. 19, T. 16 S., R. 23 E. SEM	Diversion													660
Hutchenson, John 1 pump SE ¹ / ₄ SE ¹ / ₄ SE ¹ / ₄ , Sec. 27, T. 16 S., R. 23 E., SEM	Diversion	0	0	2	0	2	0	4	3	1	0	0	0	12 ^{3/}
Slade, William 1 pump SW ¹ / ₄ NE ¹ / ₄ SE ¹ / ₄ , Sec. 29, T. 16 S., R. 23 E., SEM	Diversion	0	0	43	13	13	9	23	16	6	0	0	0	123 ^{3/}
Hudson, C. A. 1 pump NE ¹ / ₄ NW ¹ / ₄ SE ¹ / ₄ , Sec. 29, T. 16 S., R. 22 E., SEM	Diversion	0	0	33	0	16	18	37	42	0	0	0	0	146 ^{3/}
G. & L. Farms (Cloud) 1 well NW ¹ / ₄ NW ¹ / ₄ NW ¹ / ₄ , Sec. 29, T. 16 S., R. 22 E., SEM	Diversion	0	0	16	15	17	18	0	0	0	0	0	0	66 ^{3/}
Subtotals - Imperial Dam to Boundary	Diversion ^{4/}	208	336	1,373	1,035	994	1,603	1,988	1,915	861	271	159	261	11,004
	Diversion ^{5/}	128	207	846	638	613	988	1,225	1,180	531	167	99	161	6,783
Total California	Diversion	336	543	2,219	1,673	1,607	2,591	3,213	30,95	1,392	438	258	422	17,787

^{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 1977
STATE OF NEVADA

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ACRE FEET Sheet 1 of 2

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Boulder City														
Diversion at Hoover Dam	Diversion	72	98	126	142	156	202	116	120	96	70	78	78	1,356
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	68	105	92	163	158	288	449	373	311	271	162	105	2,545
	Return													
	Consumptive Use													<u>2/</u>
Lake Mead Recreation Area														
Diversion from Lake Mead	Diversion	37	45	44	58	68	90	109	115	92	65	59	55	837
Diversion at Saddle Island, Lake Mead	Diversion <u>3/</u>	2	2	3	5	3	7	10	9	4	5	3	2	55
	Return													
	Consumptive Use													<u>2/</u>
Basic Management, Inc.														
Diversion at Saddle Island, Lake Mead	Diversion	528	481	488	483	554	702	809	889	784	662	471	502	7,353
	Return													
	Consumptive Use													<u>2/</u>
City of Henderson														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	9	11	13	18	260	382	441	387	306	282	77	9	2,195
Diversion at Saddle Island, Lake Mead	Diversion <u>3/</u>	305	355	427	595	363	485	590	529	458	379	391	337	5,214
	Return													
	Consumptive Use													<u>2/</u>
Las Vegas Valley Water District														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	3,283	3,509	4,676	5,160	5,300	6,599	7,716	7,046	5,611	5,552	4,407	2,714	61,573
	Return													
	Consumptive Use													<u>2/</u>
Nevada State Department of Fish and Game														
Diversion at Saddle Island, Lake Mead	Diversion <u>3/</u>	355	321	417	354	344	331	342	348	346	376	350	360	4,244
	Return	355	321	416	354	343	330	341	347	346	376	350	360	4,239
	Consumptive Use	0	0	1	0	1	1	1	1	0	0	0	0	5
Johns-Manville Sales Corporation														
Diversion at Gypsum Wash., Lake Mead	Diversion	39	34	33	35	37	31	34	38	44	43	43	47	458
	Return													
	Consumptive Use													<u>2/</u>
City of North Las Vegas														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	271	443	545	712	606	770	880	720	609	465	344	133	6,498
	Return													
	Consumptive Use													<u>2/</u>
Nellis Air Force Base														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	121	68	113	258	199	302	372	471	314	242	150	113	2,714
	Return													
	Consumptive Use													<u>2/</u>

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1977
STATE OF NEVADA

(B)

ACRE FEET Sheet 2 of 7

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Ramelli, William O. Lot No. 2, Sec. 13, T. 22 S., R. 66 E., MDB&M	Diversion Return													3 4/ 2/
Southern California Edison Company Diversion at Pumping Plant in Sec. 24, T. 32 S., R. 66 E., MDB&M	Diversion Return Consumptive Use	1,376	757	841	1,254	1,375	1,438	1,440	1,529	1,457	1,110	1,129	611	14,327 2/
Wiebke, Armin T. All except W. 500' and E. 630' of Lot No. 1, Sec. 33, T. 32 S., R. 66 E., MDB&M	Diversion Return													1 4/ 2/
Portenier, Warren, E. E ¹ / ₂ , Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDB&M	Diversion Return													42 4/ 2/
Welles, John C. 1 Pump E ¹ / ₂ , Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDB&M	Diversion Return													8 4/ 2/
Cavanagh, Milton E. 1 Pump W ¹ / ₂ , Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDB&M	Diversion Return													8 4/ 2/
RETURN FLOWS LAS VEGAS WASH RETURN	Returns	3,142	2,722	3,108	2,351	2,550	2,268	2,224	2,229	2,754	2,600	2,820	3,253	32,021 6
Nevada Totals	Diversion Return Consumptive Use	6,466 3,497 2,969	6,240 3,043 3,197	7,818 3,524 4,294	9,231 2,705 6,526	9,419 2,893 6,526	11,627 2,598 9,029	13,308 2,565 10,743	12,574 2,576 9,998	10,434 3,100 7,334	9,522 2,976 6,546	7,664 3,170 4,494	5,066 3,613 1,453	109,434 36,260 73,174

NOTE: The term "Consumptive Use" in this tabulation means measured diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river.

1/ Delivered through the facilities of the Southern Nevada Water Project.
2/ No surface return.
3/ Delivered through the facilities of Basic Management, Inc.
4/ Reports annually.
5/ The monthly totals do not add to the sum of the annual total because of nonavailability of items footnoted 1/ .
6/ Estimate based on percentage of Colorado River water used in Las Vegas Valley.

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 1977

The following tabulations for calendar year 1977 show records of releases of mainstream water pursuant to orders therefore 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.

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

(C)

AND

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS

CALENDAR YEAR 1977

STATE OF ARIZONA

(ACRE - FEET)

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Colorado River Indian Reservation Diversion at Headgate Rock Dam	Ordered But Not Diverted	1,579	940	1,859	1,985	2,124	1,275	1,426	2,525	4,643	1,569	601	658	21,194
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	169	36	207	490	674	549	153	538	117	157	149	133	3,374
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	1,410	904	1,652	1,495	1,450	726	1,273	1,166	4,526	1,412	452	408	16,962
Yuma Proving Ground U.S. Army Diversion at Imperial Dam 1/	Ordered But Not Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
	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 2/ Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
North Gila Valley Irrigation District Diversion at Imperial Dam	Ordered But Not Diverted	885	579	926	994	1,842	809	887	1,785	468	880	998	908	11,961
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	64	65	190	115	339	87	734	789	79	365	484	117	3,428
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	821	514	736	879	1,503	722	153	522	389	515	514	731	7,999
Warren Act Contractors Gila Project Districts Diversion at Imperial Dam	Ordered But Not Diverted	0	0	0	0	0	0	0	0	0	0	0	0	0
	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 2/ Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Wellton-Mohawk I. and D.D. Diversion at Imperial Dam	Ordered But Not Diverted	5,200	1,976	3,695	186	3,289	464	1,329	9,324	5,466	3,602	3,422	8,559	46,617
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	223	554	520	18	595	151	272	111	865	742	496	718	5,365
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	4,977	1,422	3,175	168	2,694	313	1,057	1,198	4,601	2,860	2,926	7,432	32,823
Yuma Irrigation District	Ordered But Not Diverted	813	754	948	405	1,031	866	425	1,115	819	1,372	1,081	1,287	10,916
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	36	125	238	0	204	49	309	359	365	599	512	81	2,967
	Delivered to Storage 2/ Delivered to Mexico in Excess of Treaty	777	629	710	405	827	817	26	119	454	773	569	1,158	7,264
		0	0	0	0	0	0	0	637	0	0	0	48	685

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

(VIC)

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1977
STATE OF ARIZONA

(ACRE - FEET)

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Yuma Mesa I. and D.D. Diversion at Imperial Dam	Ordered But Not Diverted	1,813	1,033	1,725	1,736	1,476	607	690	4,449	2,620	1,434	1,299	2,588	21,460
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	42	258	462	445	290	153	411	405	399	357	212	65	3,499
	Delivered to Storage 2/	1,771	775	1,263	1,291	1,166	454	279	700	2,221	1,077	1,087	2,235	14,339
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	3,334	0	0	0	228	3,622
Unit B I and D.D. Diversion at Imperial Dam	Ordered But Not Diverted	178	101	129	172	222	184	175	896	278	172	145	591	3,243
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	28	0	101	30	28	66	97	60	49	44	91	594
	Delivered to Storage 2/	178	73	129	71	192	156	109	121	218	123	101	409	1,860
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	678	0	0	0	91	769
City of Yuma Diversion at Imperial Dam	Ordered But Not Diverted	69	0	0	0	90	0	0	83	166	0	0	89	497
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	19	0	0	0	42	0	0	18	83	0	0	22	184
	Delivered to Storage 2/	50	0	0	0	48	0	0	17	83	0	0	61	259
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	48	0	0	0	6	54
Yuma County Water Users' Association Diversion at Imperial Dam	Ordered But Not Diverted	2,628	1,025	2,151	3,268	5,161	2,182	1,482	6,351	1,911	2,555	3,528	1,752	33,994
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	715	751	1,097	2,542	2,434	1,659	1,202	1,369	953	1,573	1,777	435	15,507
	Delivered to Storage 2/	1,913	274	1,054	726	2,727	523	280	1,326	958	982	1,751	1,204	13,718
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	3,657	0	0	0	112	3,769
Cocopah Indian Reservation Diversion at Imperial Dam	Ordered But Not Diverted	1	0	15	9	19	4	5	21	12	4	0	2	92
	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	8	7	9	3	4	5	6	2	0	1	45
	Delivered to Storage 2/	1	0	7	2	10	1	1	4	6	2	0	1	35
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	12	0	0	0	0	12

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS

(C)

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 1977

STATE OF ARIZONA

(ACRE - FEET)

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Arizona Totals	Ordered But Not Diverted	13,266	6,406	11,448	8,755	15,254	6,391	6,419	26,539	16,383	11,588	11,074	16,444	149,969
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	1,368	1,819	2,722	3,718	4,617	2,679	3,241	3,691	2,927	3,844	3,674	1,663	35,963
	Delivered to Storage ^{2/}	11,898	4,589	8,726	5,037	10,637	3,712	3,178	5,173	13,456	7,744	7,400	13,729	95,279
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	1,676	0	0	0	1,051	18,727

^{1/} No orders received.

^{2/} Available for future use.

RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS

(C)

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 1977

STATE OF CALIFORNIA

(ACRE - FEET)

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Metropolitan Water District Diversion at Lake Havasu	Ordered But Not Diverted	0	156	2,927	3,491	1,203	982	0	3,831	0	272	294	0	13,156
	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/	0	156	2,927	3,491	1,203	982	0	3,831	0	272	294	0	13,156
Palo Verde Irrigation District Diversion at Palo Verde Diversion Dam	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Ordered But Not Diverted	1,168	2,693	1,767	1,426	863	442	1,394	3,582	3,382	2,602	3,318	786	23,423
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	135	847	447	290	95	149	224	347	54	256	377	282	3,463
Yuma Project Reservation Division Bard Unit Diversion at Imperial Dam	Delivered to Storage 1/	1,033	1,846	1,360	1,136	768	293	1,170	996	3,328	2,346	2,941	450	17,667
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	2,239	0	0	0	54	2,293
	Ordered But Not Diverted	989	325	692	437	597	149	379	1,144	519	381	497	713	6,522
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Yuma Project Reservation Division Indian Unit Diversion at Imperial Dam	Diverted by Others	617	221	585	346	309	52	302	236	215	185	264	312	3,644
	Delivered to Storage 1/	372	104	107	91	288	97	77	331	304	196	233	359	2,559
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	577	0	0	0	42	619
	Ordered But Not Diverted	1,167	304	573	324	526	113	333	947	338	220	328	401	5,574
Imperial Irrigation District Diversion at Imperial Dam	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	728	206	484	257	272	39	265	195	140	107	174	176	3,043
	Delivered to Storage 1/	430	98	89	67	254	74	68	274	198	113	154	202	2,030
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	478	0	0	0	23	501
Imperial Irrigation District Diversion at Imperial Dam	Ordered But Not Diverted	2,567	579	2,511	682	1,555	2,132	0	35,340	6,510	3,126	0	6,833	61,895
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	302	250	557	216	0	30	0	480	2,382	0	0	4	4,221
	Delivered to Storage 1/	2,265	329	2,014	466	1,555	2,102	0	5,833	4,128	3,126	0	6,315	28,133
Coachella Valley County Water District Diversion at Imperial Dam	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	29,027	0	0	0	514	29,541
	Ordered But Not Diverted	416	972	972	0	972	0	0	5,472	1,805	972	139	1,110	12,830
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	436	179	0	321	0	0	2,166	577	246	113	79	4,117
Coachella Valley County Water District Diversion at Imperial Dam	Delivered to Storage 1/	416	536	793	0	651	0	0	248	1,228	726	26	857	5,481
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	3,058	0	0	0	174	3,232

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

(VIC)

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1977
STATE OF CALIFORNIA

(ACRE - FEET)

WATER USE ^{1/}	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
California Totals													
Ordered But Not Diverted	6,307	5,029	9,502	6,360	5,716	3,718	2,106	50,316	12,554	7,573	4,576	9,843	123,700
Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
Diverted by Others	1,782	1,960	2,212	1,109	997	270	791	3,424	3,368	794	928	853	18,468
Delivered to Storage ^{1/}	4,525	3,069	7,290	5,251	4,719	3,548	1,315	11,513	9,186	6,779	3,648	8,183	69,026
Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	35,379	0	0	0	807	36,186

^{1/} Available for future use.

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 1977

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
 AND
 WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS

V(D)

CALENDAR YEAR 1977

ACRE- FEET

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Deliveries to Mexico in Satisfaction of Treaty	90,800	107,013	179,977	227,809	102,960	116,742	169,438	161,331	90,799	57,560	56,371	137,200	1,500,000
Passing to Mexico in Excess of Treaty requirements	18,610	16,800	10,994	18,271	16,954	17,933	18,400	84,197	19,987	18,732	17,359	20,667	278,904 ^{1/}

^{1/} Includes 206,822 acre-feet delivered pursuant to Minute 242.

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 1977

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 1977

V(E)

(ACRE - FEET)

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