

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

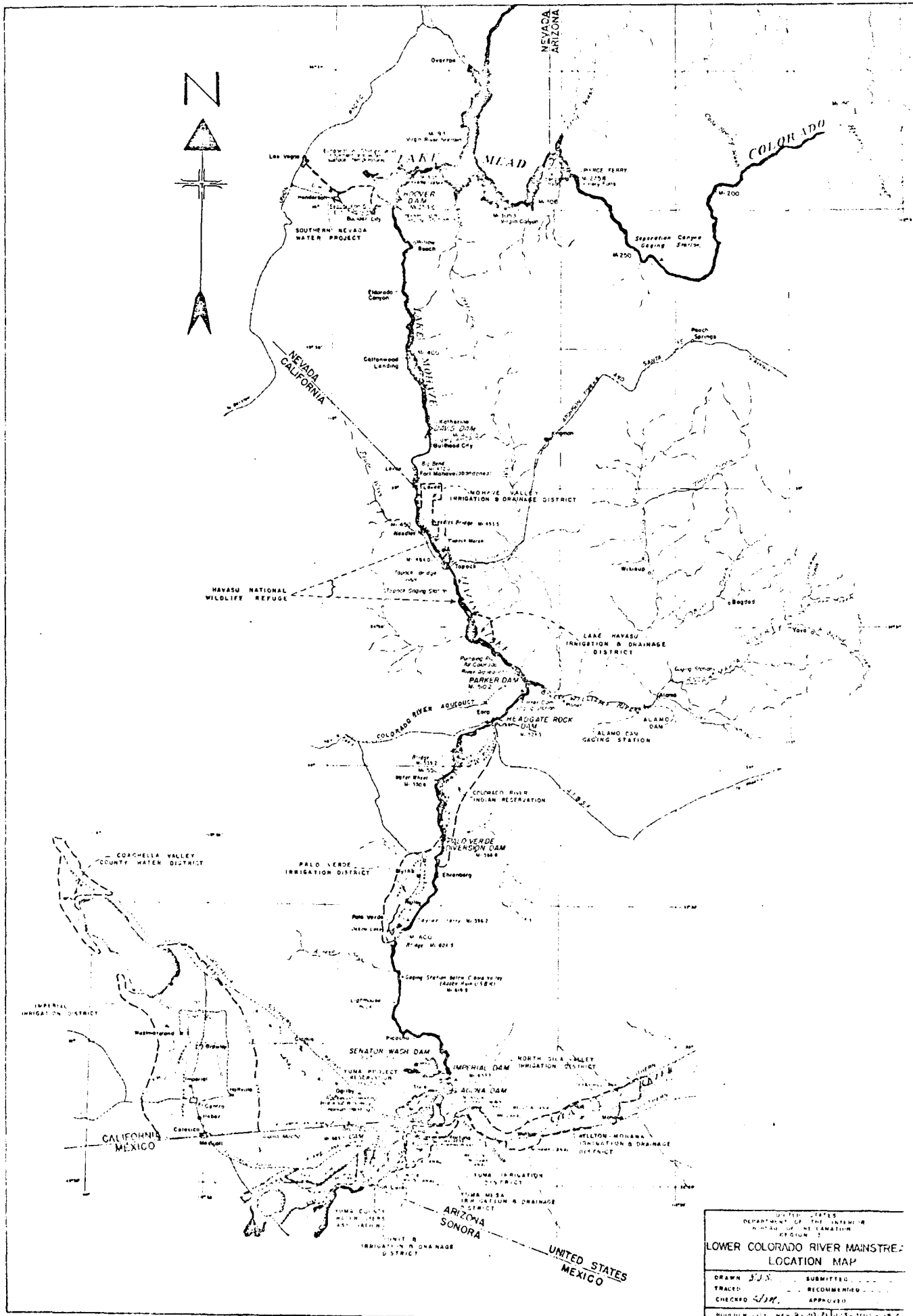
COMPILATION OF RECORDS IN  
ACCORDANCE WITH ARTICLE V OF THE  
DECREE OF THE SUPREME COURT OF  
THE UNITED STATES IN  
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964  
CALENDAR YEAR 1976

Division of Water and Land Operations  
Boulder City, Nevada

December 15, 1977

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UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF RECLAMATION  
 REGION 2

**LOWER COLORADO RIVER MAINSTEM  
 LOCATION MAP**

DRAWN *S.J.S.* SUBMITTED *1954*  
 TRACED *S.J.S.* RECOMMENDED *1954*  
 CHECKED *S.J.S.* APPROVED *1954*

NOVEMBER 1954, NEW RAVEN 71-113-1-157

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 1976

The following tabulations for calendar year 1976 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 "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

(A)

CALENDAR YEAR 1976

(ACRE - FEET)

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Hoover Dam	508,800	495,600	909,700	879,500	928,900	716,300	842,600	893,800	608,700	351,200	304,400	487,000	7,927,000
Davis Dam	423,500	426,700	953,600	904,900	830,200	810,900	888,000	939,000	454,600	410,500	287,400	459,700	7,769,000
Parker Dam	352,800	364,500	805,300	771,100	693,600	717,200	789,500	842,800	400,000	354,300	248,900	356,300	6,697,000
Headgate Rock Dam <sup>1/</sup>	339,600	333,500	740,100	714,000	629,700	642,500	717,300	769,900	354,700	327,100	215,000	330,700	6,124,000
Palo Verde Dam <sup>2/</sup>	305,000	298,600	649,200	611,800	529,200	508,600	593,400	625,800	325,900	289,000	198,400	302,300	5,237,000
Imperial Dam <sup>3/</sup>	13,940	14,200	23,440	30,520	43,000	42,510	25,500	22,980	53,590	25,790	24,830	15,290	345,600
Laguna Dam	14,390	17,280	22,630	30,840	46,080	46,020	25,420	23,910	62,540	27,680	27,580	16,740	351,100

<sup>1/</sup> Colorado River Below Parker Dam less diversions at Headgate Rock Dam.

<sup>2/</sup> Measured through river gates at Palo Verde Dam.

<sup>3/</sup> 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 1976

The following tabulations for calendar year 1976 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 1976 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 September 1973.

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 1976  
STATE OF ARIZONA

V(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 Return Consumptive Use	13	11	18	17	32	39	42	39	20	13	13	10	257 <u>1/</u>
Davis Dam and Government Camp Diversion at Davis Dam	Diversion Return Consumptive Use	6	5	8	12	37	35	34	34	21	10	7	9	218 <u>1/</u>
Mohave Valley Irrigation and Drainage District pumped from wells and inlet channel to Havasu National Wildlife Refuge	Diversion Return Consumptive Use	413	267	752	1,221	1,101	2,360	3,013	2,734	1,348	592	534	263	14,563 <u>1/</u>
Fort Mohave Indian Reservation Pumped from wells	Diversion Return Consumptive Use	125	28	443	338	783	641	799	1,097	1,254	477	584	432	7,001 <u>1/</u>
Havasau National Wildlife Refuge Inlet - NW1/4NW1/4, Sec. 33, T. 9 N., R. 22 E., G&SPM	Diversion	0	0	9,558	877	3,283	9,892	1,831	6,851	3,173	3,155	807	2,576	42,003
Less diversion from Inlet Channel pumped in SW1/4SE1/4, Sec. 24, T. 17 N., R. 22 W., G&SPM	Diversion	0	0	87	140	125	270	366	327	160	65	58	22	1,620
1 well - NE1/4NE1/4, Sec. 15, T. 8 N., R. 23 E., G&SPM	Diversion Return Consumptive Use	17 0 17	11 0 11	31 0 9,502	50 0 787	45 0 3,203	97 0 9,719	123 0 1,568	112 0 6,636	55 0 3,068	24 1,624 1,490	22 2,900 -2,129	10 44 2,520	597 4,568 36,412
Lake Havasu Irrigation and Drainage District pumped from wells	Diversion Return Consumptive Use	422	395	495	575	753	886	878	859	611	578	482	393	7,327 <u>1/</u>
Town of Parker 1 well - NW1/4NW1/4, Sec. 7, T. 9 N., R. 19 W., G&SPM	Diversion Return	48	56	44	43	71	97	110	103	102	57	51	47	829 <u>1/</u>

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 1976

(8)

STATE OF ARIZONA

(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 Pumped from 2 wells at Parker SW $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$ , Sec. 2, T. 9 N., R. 21 W., G&SRM	Diversion Diversion	13,220 2	30,968 3	65,164 4	57,135 5	63,875 5	74,643 6	72,255 7	72,933 7	45,271 6	27,662 3	23,968 4	25,544 2	572,658 54
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	167	391	823	722	807	943	913	922	572	350	303	323	7,236
3 pumps NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ , Sec. 14, T. 4 N., R. 22 W., G&SRM	Diversion	152	357	751	659	736	860	833	841	522	319	276	294	6,500
1 well Hatch Center	Diversion Return Consumptive Use	1 16,709 -3,164	1 19,099 12,625	1 22,766 43,981	1 24,900 33,627	2 27,525 37,906	2 26,553 49,908	2 29,868 44,150	2 29,880 44,833	2 27,726 18,654	1 21,589 6,752	1 20,012 4,564	1 19,133 7,034	17 285,760 302,870
Gibola National Wildlife Refuge	Diversion Return Consumptive Use	1,011	484	1,007	1,103	1,116	1,630	1,447	1,468	1,539	863	969	783	13,440 1/
Imperial National Wildlife Refuge 2 wells NW $\frac{1}{4}$ NE $\frac{1}{4}$ NE $\frac{1}{4}$ , 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	Diversion Return Consumptive Use													245 1/
Yuma Proving Ground Diversion at Imperial Dam	Diversion Return Consumptive Use	2	2	1	0	30	0	12	0	0	1	1	5	54 1/
North Gila Valley Irrigation District Diversion at Imperial Dam	Diversion Return Consumptive Use	2,704 464 2,330	4,235 661 3,574	4,627 609 4,018	5,188 735 4,453	5,706 827 4,879	4,837 722 4,115	6,644 788 5,856	6,652 999 5,653	3,602 1,029 2,573	3,838 885 2,953	3,102 734 2,368	2,440 613 1,827	53,665 9,066 44,599
Warren Act Contractors Diversion at Imperial Dam	Diversion Return Consumptive Use	0	0	0	0	0	0	0	22	32	0	0	583	587 1/
Wellton-Mohawk Irrigation and Drainage District Diversion at Imperial Dam	Diversion Return Consumptive Use	24,035 18,171 5,864	28,590 7,820 20,770	53,831 18,183 35,648	53,527 12,956 40,571	46,535 18,948 27,587	50,747 18,129 32,618	57,970 18,661 39,317	60,325 19,069 49,256	42,222 17,667 24,555	26,043 18,881 7,162	17,512 17,905 -393	20,065 18,845 1,220	489,410 202,225 286,175

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 1976  
STATE OF ARIZONA

(18)

ACPE (11) Sheet 3 of 4

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Yuma Irrigation District														
Diversions at Imperial Dam	Diversions	2,972	4,385	6,662	6,640	5,651	4,987	5,813	6,809	5,597	4,492	2,662	2,990	59,660
Diversions from private wells	Diversions	860	757	1,187	1,723	1,582	1,088	932	1,270	1,796	832	374	528	13,029
	Returns													
	Consumptive Use													
Yuma Mesa Irrigation and Drainage District														
Diversions at Imperial Dam	Diversions	11,616	7,206	16,680	17,467	24,563	26,969	28,509	27,788	18,948	14,783	10,435	14,093	219,057 5/
	Returns													
	Consumptive Use													
Unit 2 Irrigation and Drainage District														
Diversions at Imperial Dam	Diversions	1,712	902	2,846	3,084	3,879	4,736	4,909	4,904	3,454	2,522	2,210	2,067	37,225 6/
	Returns													
	Consumptive Use													
Returns from South Gila Valley	Returns	3,542	4,502	6,458	6,541	4,471	4,591	6,790	5,441	3,620	2,444	2,806	4,615	55,821 4/
City of Yuma														
Diversions at Imperial Dam	Diversions	818	649	869	925	1,290	1,492	1,617	1,536	1,195	1,035	875	812	13,113
	Returns	529	456	483	508	536	542	547	547	556	556	530	541	6,331
	Consumptive Use	289	193	386	417	754	950	1,070	989	639	479	345	271	6,782
Yuma County Water Users' Association														
Diversions at Imperial Dam	Diversions	18,765	14,972	35,581	33,198	26,924	30,571	39,396	34,815	30,848	22,723	12,708	12,727	311,228 7/
Pumped from wells	Diversions	773	531	532	488	560	720	788	781	706	911	963	815	8,569
	Returns	8,207	7,699	8,731	9,500	9,479	8,970	9,423	9,626	9,962	10,070	8,606	8,783	109,056
	Consumptive Use	11,331	7,804	27,382	24,186	18,005	22,321	30,761	25,970	21,592	13,564	5,065	4,760	212,741
Cocopah Indian Reservation														
Diversions at Imperial Dam	Diversions	68	38	161	183	94	64	162	251	188	2	7	46	1,264
Pumped from wells	Diversions	3	1	2	3	2	2	3	6	4	0	1	0	27
	Returns													
	Consumptive Use													
Yuma Mesa Outlet Drain	Returns	4,374	3,293	4,231	2,639	4,505	4,431	4,413	4,493	2,251	4,181	3,864	4,316	46,991 8/

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 1976  
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
Other Users Pumping from Colorado River and wells in flood plain														
Davis Dam to International Boundary	Diversion 2/ Return Consumptive Use	4,984	4,709	8,024	8,842	8,381	9,200	10,296	10,649	8,045	5,613	5,211	4,471	83,425
Arizona Totals	Diversion Returns Consumptive Use	85,002	99,958	210,019	193,891	197,724	227,281	238,988	251,511	170,980	116,840	84,048	92,361	1,928,828 10/
		51,996	43,530	61,461	55,779	66,291	63,938	70,490	70,055	62,811	60,230	57,357	56,890	720,828
		33,006	56,428	148,558	138,112	131,433	163,343	158,498	181,456	108,169	56,610	26,691	35,471	1,248,000 10/

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

- 1/ No surface returns.
- 2/ Calculated from monthly power records.
- 3/ Includes 205,395 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	8
Desert Lawn Memorial	B3.7 Lateral	127
Southern Pacific Company	B3.7 Lateral	12
Southern Pacific Company	After Bay of Yuma Mesa Pumping Plant	46
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	1,871
Total		2,088

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

University of Arizona	B Main Canal	863
Casille Alec, Jr.	B-3 Lateral	86

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

Yuma Union High School District	Yuma Main Canal	657
City of Yuma - Smucker Park	Yuma Main Canal	154

- 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.
- 10/ The sum of the annual totals are 245 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 1976  
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 <u>1/</u>
Foster, Jack 1 well NW1/4SW1/4, Sec. 29, T. 20 N., R. 22 W., G&SRM	Diversión													480
Clayton, Ralph 2 pumps SW1/4SE1/4, Sec. 34, T. 4 N., R. 22 W., G&SRM	Diversión	3	2	66	27	23	50	89	108	108	43	2	2	523 <u>2/</u>
1 well SW1/4SW1/4, Sec. 34, T. 4 N., R. 22 W., G&SRM	Diversión	0	14	0	0	3	0	9	21	2	12	0	0	61 <u>2/</u>
Arkelian Farms 3 pumps SE1/4NE1/4, Sec. 16, T. 3 N., R. 22 W., G&SRM	Diversión	53	103	425	145	149	502	368	527	380	19	78	236	2,925 <u>2/</u>
Sprall, Wayne 1 pump SE1/4NW1/4, Sec. 21, T. 1 N., R. 23 W., G&SRM	Diversión													3,192
Cibola Valley Irrigation and Drainage District 3 pumps SE1/4NE1/4, Sec. 20, T. 1 N., R. 23 W., G&SRM	Diversión	1,275	610	1,269	1,390	1,406	2,054	1,823	1,875	1,940	1,087	1,220	987	16,936 <u>2/</u>
Bishop, Louis 1 pump NW1/4SW1/4, Sec. 31, T. 1 S., R. 23 W., G&SRM	Diversión													1,200
Martinez, Sam 2 pumps NW1/4SW1/4, Sec. 1, T. 2 S., R. 24 W., G&SRM	Diversión													3,000
ELM Permittees Davis Dam to Imperial Dam	Diversión													78
Subtotals - Davis Dam to Imperial Dam	Diversión <u>3/</u> Diversión <u>4/</u>	1,331 516	729 283	1,760 682	1,562 606	1,581 613	2,606 1,010	2,289 888	2,531 981	2,430 942	1,161 450	1,300 504	1,225 475	20,505 7,950

DIVERSIONS FROM MAINSTREAM — AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 1976  
STATE OF ARIZONA

(B)

(ACRE FEET) Sheet 2 of 5

WATER USER	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTAL <sub>2</sub> /
Pratt, Loren 1 well SW <sub>1</sub> 1 pump SE <sub>1</sub> SW <sub>1</sub> NW <sub>1</sub> , Sec. 14, T. 7 S., R. 22 W., G&SRM													228
Mellon Farms, Inc. 1 pump SE <sub>1</sub> SW <sub>1</sub> NW <sub>1</sub> , Sec. 14, T. 7 S., R. 22 W., G&SRM													66
Harp, Robert 1 well SE <sub>1</sub> NE <sub>1</sub> SE <sub>1</sub> , Sec. 13, T. 8 S., R. 23 W., G&SRM													1,458
Dulin, Arlin 1 well SW <sub>1</sub> NE <sub>1</sub> SE <sub>1</sub> , Sec. 8, T. 8 S., R. 22 W., G&SRM	113	70	197	252	117	179	263	222	187	165	24	2	1,791 2/
Sturges, Steve 9 wells Sec. 16, T. 8 S., R. 21 W., and Sec. 13 & 14 T. 8 S., R. 22 W., G&SRM	1,219	1,848	2,019	2,264	2,490	2,111	2,900	2,903	1,572	1,675	1,354	1,065	23,420 2/
Crove, James 1 well SE <sub>1</sub> SW <sub>1</sub> SW <sub>1</sub> , Sec. 7, T. 8 S., R. 22 W., G&SRM	0	0	226	102	10	164	209	228	95	48	0	0	1,082 2/
Yowelman, R. (Dulin A.) 1 well NW <sub>1</sub> SW <sub>1</sub> SW <sub>1</sub> , Sec. 17, T. 8 S., R. 22 W., G&SRM													720
Auza, Fete 1 well SE <sub>1</sub> NW <sub>1</sub> SW <sub>1</sub> , Sec. 18, T. 8 S., R. 22 W., G&SRM	99	77	115	96	320	174	225	217	133	231	149	105	1,941 2/
1 pump SE <sub>1</sub> SE <sub>1</sub> NE <sub>1</sub> , Sec. 24, T. 8 S., R. 22 W., G&SRM													1,518
1 well SE <sub>1</sub> SE <sub>1</sub> SE <sub>1</sub> , Sec. 18, T. 8 S., R. 22 W., G&SRM													1,518
Ctt, Judd 1 well SE <sub>1</sub> SW <sub>1</sub> SW <sub>1</sub> , Sec. 19, T. 8 S., R. 22 W., G&SRM	54	48	49	54	31	29	56	66	10	15	17	41	470 2/





DIVERSIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 1976  
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 <u>1/</u>
Bruce, R. 1 pump NE1/4NW1/4, Sec. 35, T. 10 S., R. 25 W., G&SRM Diversion													216
Barkley, J. 1 well NE1/4SW1/4, Sec. 35, T. 10 S., R. 25 W., G&SRM Diversion													360
Brown, Willis A. 1 well NE1/4NW1/4, Sec. 2, T. 11 S., R. 25 W., G&SRM Diversion	125	39	124	106	49	14	87	102	76	60	0	0	762 2/
Hughes, Earl 1 well SW1/4SE1/4, Sec. 3, T. 11 S., R. 25 W., G&SRM Diversion	18	17	184	153	260	350	95	231	203	159	0	0	1,670 2/
Munnaley, Slade 1 well NE1/4SE1/4, Sec. 28, T. 16 S., R. 22 E., SEM Diversion													318
Curtis Armon 1 pump SW1/4NE1/4, Sec. 29, T. 16 S., R. 22 E., SEM Diversion	18	0	15	0	0	16	19	30	6	0	0	0	105 2/
Power, Bill 1 pump EW1/4SW1/4, Sec. 30, T. 16 S., R. 22 E., SEM Diversion													1,200
Ribelin (P. Power) 1 well NW1/4NW1/4, Sec. 31, T. 16 S., R. 23 E., SEM Diversion													744
Hall, Ansil 1 pump NW1/4SW1/4, Sec. 36, T. 16 S., R. 21 E., SEM Diversion													480
Yucca Powerplant 2 wells NW1/4SW1/4, Sec. 36, T. 16 S., R. 21 E., SEM NE1/4SW1/4, Sec. 36, T. 16 S., R. 21 E., SEM Diversion													558
Burrell 1 well NW1/4NE1/4, Sec. 33, T. 8 S., R. 24 W., G&SRM Diversion													192

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DIVERSIONS FROM MAINSTREAM -- AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 1976  
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WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Bureau of Indian Affairs														
1 well	Diversion	0	94	203	176	300	82	179	393	352	77	0	0	1,856 2/
NW1/4NE1/4, Sec. 25, T. 9 S., R. 25 W., G&SRM														
Ranch 220 Trust 284														
1 well	Diversion	40	42	45	0	0	0	0	0	0	0	0	0	127 2/
SE1/4NW1/4, Sec. 19, T. 9 S., R. 24 W., G&SRM														
1 well	Diversion	65	66	100	148	16	68	125	74	61	37	41	13	814 2/
NE1/4SE1/4, Sec. 19, T. 9 S., R. 24 W., G&SRM														
1 well	Diversion	31	30	46	67	8	37	68	39	32	20	21	6	405 2/
NW1/4SE1/4, Sec. 19, T. 9 S., R. 24 W., G&SRM														
Arizona Subtotals														
Imperial Dam to International Boundary	Diversion 3/	2,422	2,855	4,310	5,153	4,777	4,312	5,497	5,511	3,608	3,090	2,631	2,140	46,306
	Diversion 4/	715	842	1,272	1,521	1,410	1,272	1,622	1,626	1,065	912	776	631	13,664
Arizona Totals	Diversion	4,984	4,709	8,024	8,842	8,381	9,200	10,296	10,649	8,045	5,613	5,211	4,471	88,425

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  
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(ACRE FEET)

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Revision to 1975 Report														
Arizona Totals	Diversion	90,991	128,638	175,376	208,940	231,662	223,093	251,631	247,627	211,856	152,801	105,612	98,041	2,126,468
	Return	50,448	52,695	67,917	62,486	70,919	68,577	70,643	71,911	71,771	63,902	58,821	58,375	768,465
	Consumptive Use	40,543	75,943	107,459	146,454	160,943	154,516	180,908	175,716	140,085	88,899	46,791	39,666	1,358,003

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
Fort Mohave Indian Reservation Pumped from Wells	Diversion	390	252	711	1,154	1,041	2,231	2,848	2,585	1,274	560	505	249	13,800
	Return													1/
	Consumptive Use													
City of Needles 4 Wells	Diversion	133	126	186	217	369	449	524	517	317	224	251	184	3,497
NW1/4, Sec. 29, T. 9 N., R. 23 E., SEM	Return	42	38	42	47	68	79	91	92	71	68	49	45	732
	Consumptive Use	91	88	144	170	301	370	433	425	246	156	202	139	2,765
San Bernardino County 1 Well	Diversion	1	1	1	1	1	2	2	2	1	1	1	1	15
	Return													1/
	Consumptive Use													
Metropolitan Water District of Southern California Diversion from Lake Havasu	Diversion	48,117	52,310	67,639	68,407	76,949	78,962	93,952	94,015	71,771	51,639	40,023	50,836	794,630
	Return	339	316	326	305	321	287	297	275	289	340	326	342	3,753
	Consumptive Use	47,778	51,994	67,313	68,102	76,628	78,675	93,655	93,740	71,482	51,299	39,697	50,494	790,877
Parker Dam and Government Camp Diversion at Parker Dam	Diversion	6	5	9	13	40	38	36	36	23	11	7	10	234
	Return													1/
	Consumptive Use													
Colorado River Indian Reservation 6/														
1 Well-Big River, Sec. 5, T. 1 S., R. 25 E., SEM	Diversion	0	1	0	1	1	1	1	2	1	1	0	0	9
1 Pump, SW1/4, Sec. 13, T. 3 S., R. 23 E., SEM	Diversion	0	39	23	39	50	39	45	22	41	3	25	14	340
1 Pump, SW1/4, Sec. 13, T. 3 S., R. 23 E., SEM	Diversion	0	49	45	62	91	106	110	45	116	5	62	51	742
1 Pump, NE1/4, Sec. 13, T. 3 S., R. 23 E., SEM	Diversion	0	56	45	62	91	105	110	45	116	5	62	51	748
1 Pump, NE1/4, Sec. 25, T. 3 S., R. 23 E., SEM	Diversion	66	0	37	66	54	169	80	70	49	0	0	0	591
1 Pump, SW1/4, Sec. 11, T. 4 S., R. 23 E., SEM	Diversion	32	15	40	33	16	26	55	22	41	0	0	0	280
1 Pump, SW1/4, Sec. 36, T. 4 S., R. 23 E., SEM	Diversion	14	17	29	35	56	56	49	66	8	17	24	6	377
1 Pump, NW1/4, Sec. 6, T. 5 S., R. 24 E., SEM	Diversion	52	27	27	49	12	74	91	59	51	0	0	0	442
1 Pump, NW1/4, Sec. 6, T. 5 S., R. 24 E., SEM	Diversion	30	29	62	57	15	80	63	61	68	0	0	0	465



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
Other users pumping from Colorado River and wells in flood plain Davis Dam to International Boundary <sup>4/</sup>	Diversion	946	474	2,951	3,240	2,948	3,632	4,864	4,563	2,403	1,513	1,479	665	29,678
	Return													1/
	Consumptive Use													
California Totals	Diversion	307,583	273,696	545,002	528,796	578,187	539,331	601,262	617,877	370,691	354,927	251,018	273,844	5,242,324 <sup>5/</sup>
	Return	32,260	35,635	39,153	44,957	47,446	46,149	49,659	51,828	57,065	46,517	42,741	42,320	535,730
	Consumptive Use	275,323	238,061	505,849	483,839	530,741	493,182	551,603	566,049	313,626	308,410	208,277	231,524	4,706,594 <sup>5/</sup>

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 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/ Estimated.

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
Russell Brothers 1 well SE1/4NW1/4, Sec. 36, T. 11 N., R. 21 E., SEM													630
Deason 1 well NW1/4SW1/4, Sec. 36, T. 11 N., R. 21 E., SEM													720
Deason, Richard (Tri-State) 2 wells SE1/4NW1/4, Sec. 31, T. 11 N., R. 22 E., SEM NW1/4SW1/4, Sec. 31, T. 11 N., R. 22 E., SEM													1,920
Southern California Gas Company 2 wells SE1/4SE1/4, Sec. 29, T. 9 N., R. 23 E., SEM													166 2/3
Rigler, Ed 1 well SE1/4NE1/4, Sec. 9, T. 1 S., R. 24 E., SEM	0	0	238	222	151	360	0	0	0	0	0	0	991 2/3
1 well NE1/4SW1/4, Sec. 9, T. 1 S., R. 24 E., SEM													1,260 2/3
3 wells SE1/4NE1/4, Sec. 9, T. 1 S., R. 24 E., SEM SE1/4SW1/4, Sec. 9, T. 1 S., R. 24 E., SEM NE1/4SW1/4, Sec. 10, T. 1 S., R. 24 E., SEM													480 2/3
Lye, R. C. 1 well NW1/4SE1/4, Sec. 10, T. 1 S., R. 24 E., SEM													60 2/3
1 well SW1/4NW1/4, Sec. 10, T. 1 S., R. 24 E., SEM	1	0	1	2	1	1	1	1	1	15	1	1	26 2/3
1 well SE1/4NE1/4, Sec. 16, T. 1 S., R. 24 E., SEM													66 2/3
ELM Permittees Pumped for domestic use													167
Subtotals - Davis Dam to Imperial Dam	153	99	279	452	408	874	1,116	1,013	500	219	198	98	5,409
	150	97	273	443	400	857	1,094	993	490	215	194	96	5,302

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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
Land, Ralph 1 well and 1 pump SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> , Sec. 35, T. 15 S., R. 23 E., SEM													636
Cranford, Ralph (Cole) 1 well SW <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> , Sec. 35, T. 15 S., R. 23 E., SEM													354
Berryman, Harley 1 well NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> , Sec. 2, T. 16 S., R. 23 E., SEM	38	43	72	95	89	84	121	210	136	49	0	0	937 3/4
Power, Pete 2 wells NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> , Sec. 15, T. 16 S., R. 23 E., SEM NW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> , Sec. 14, T. 16 S., R. 23 E., SEM													1,992
Mitchell, Hayden 1 well SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> , Sec. 22, T. 16 S., R. 23 E., SEM	26	32	158	241	197	114	77	71	10	0	35	0	961 3/4
Perez, F. (Slade) 1 well SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> , Sec. 6, T. 8 S., R. 22 W., G&SRM	70	0	196	163	137	75	0	0	0	68	423	26	1,158 3/4
Harp, Robert 1 well SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> , Sec. 6, T. 8 S., R. 22 W., G&SRM													858
Spencer, M. E. 1 well SW <sup>1</sup> / <sub>4</sub> NE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> , Sec. 9, T. 16 S., R. 23 E., SEM	75	13	132	129	82	13	62	123	66	0	59	0	754 3/4
Coley, Marvin 1 well SE <sup>1</sup> / <sub>4</sub> SE <sup>1</sup> / <sub>4</sub> SW <sup>1</sup> / <sub>4</sub> , Sec. 18, T. 16 S., R. 23 E., SEM	0	0	63	60	59	88	83	30	0	0	63	44	490 3/4
Martin, Marvin 1 pump NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> NW <sup>1</sup> / <sub>4</sub> , Sec. 1, T. 8 S., R. 23 W., G&SRM	0	0	22	0	0	27	22	16	12	0	0	0	99 3/4
1 pump	0	0	196	60	0	124	109	117	98	0	0	0	704 3/4



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WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Easterday, Alne 1 well SW1/4SE1/4, Sec. 1, T. 8 S., R. 23 W., G&SRM	Diversion	50	0	57	99	71	0	73	54	18	17	0	0	439 2/3
Harp, Robert 1 well SW1/4SE1/4, Sec. 2, T. 8 S., R. 23 W., G&SRM	Diversion	30	1	86	79	60	88	231	239	79	178	0	0	1,071 2/3
1 well SW1/4SE1/4, Sec. 2, T. 8 S., R. 23 W., G&SRM	Diversion	2	0	125	114	122	90	111	231	103	74	22	50	1,044 2/3
1 well SW1/4SE1/4, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion	19	0	51	30	60	48	68	61	38	35	3	0	453 2/3
1 well SW1/4SE1/4, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion													360 2/3
Power, Kate 1 well NE1/4SE1/4, Sec. 11, T. 8 S., R. 23 W., G&SRM	Diversion	0	0	211	240	211	252	135	151	114	68	28	45	1,475 2/3
Dess, John F. 1 well SW1/4SE1/4, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion	53	46	111	153	173	195	221	230	171	88	78	107	1,626 2/3
Easterday, Kenneth 1 well NW1/4SE1/4, Sec. 12, T. 8 S., R. 23 W., G&SRM	Diversion	47	35	109	61	46	76	397	142	90	98	49	58	1,208 2/3
Harp, Earl 1 well SW1/4SE1/4, Sec. 13, T. 8 S., R. 23 W., G&SRM	Diversion													1,456
Muzgrave (Barkley Co.) 1 well NE1/4SE1/4, Sec. 19, T. 16 S., R. 23 E., SEM	Diversion	1	1	24	15	24	11	0	21	0	0	0	0	97 2/3
Hutcherson, John 1 well SE1/4SE1/4, Sec. 27, T. 16 S., R. 23 E., SEM	Diversion	1	1	0	2	3	2	2	2	2	1	1	0	17 2/3
Slade, William 1 well SW1/4SE1/4, Sec. 29, T. 16 S., R. 23 E., SEM	Diversion	13	13	14	13	48	17	0	0	0	0	0	0	118 2/3

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WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Hudson, C. A. 1 pump NE 1/4 Sec. 29, T. 16 S., R. 22 E., SEM	Diversion	20	10	39	88	66	12	126	62	41	50	0	0	534 <sup>1/</sup>
G. & L. Farms 1 well NW 1/4 Sec. 29, T. 16 S., R. 22 E., SEM	Diversion	5	0	14	0	29	16	0	10	11	9	0	0	94 <sup>2/</sup>
Subtotals - Imperial Dam to Boundary	Diversion <sup>4/</sup>	450	195	1,680	1,642	1,468	1,331	1,858	1,790	989	755	761	330	13,279
	Diversion <sup>5/</sup>	193	83	719	703	642	570	795	767	424	324	326	141	5,662
Total California		946	474	2,951	3,240	2,948	3,632	4,864	4,563	2,403	1,513	1,479	665	29,678

<sup>1/</sup> Calculated by assuming an annual diversion of 6 acre-feet per irrigated acre unless otherwise noted.

<sup>2/</sup> Record furnished by diverter.

<sup>3/</sup> 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.

<sup>4/</sup> Total of items for which monthly distribution is shown.

<sup>5/</sup> 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  
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WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Boulder City														
Diversion at Hoover Dam	Diversion	106	89	105	155	192	236	240	241	160	141	133	102	1,900
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	75	83	124	154	227	232	243	460	152	141	87	75	2,053
	Return													2/
	Consumptive Use													
Lake Mead Recreation Area														
Diversion from Lake Mead	Diversion	36	25	42	52	70	86	115	113	83	49	38	44	753
Diversion at Saddle Island, Lake Mead	Diversion <u>3/</u>	3	2	4	4	7	13	11	7	5	3	4	2	65
	Return													2/
	Consumptive Use													
Basic Management, Inc.														
Diversion at Saddle Island, Lake Mead	Diversion	703	750	668	549	707	880	987	913	879	691	584	487	8,793
	Return													2/
	Consumptive Use													
City of Henderson														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	10	11	16	20	33	363	429	407	305	256	44	7	1,001
Diversion at Saddle Island, Lake Mead	Diversion <u>3/</u>	300	294	433	484	745	546	546	498	352	288	374	358	5,218
	Return													2/
	Consumptive Use													
Las Vegas Valley Water District														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	3,422	3,152	4,074	4,494	5,745	7,063	7,038	7,007	5,926	4,506	4,007	3,478	59,912
	Return													2/
	Consumptive Use													
Nevada State Department of Fish and Game														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	340	347	360	305	275	250	283	318	325	328	332	354	3,817
	Return	339	346	360	305	275	250	283	318	325	328	331	353	3,813
	Consumptive Use	1	1	0	0	0	0	0	0	0	0	1	1	4
Johns-Manville Sales Corporation														
Diversion at Gypsum Wash, Lake Mead	Diversion	25	28	40	28	35	45	38	35	33	36	42	37	422
	Return													2/
	Consumptive Use													
City of North Las Vegas														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	185	190	402	553	949	964	816	763	563	466	376	319	6,546
	Return													2/
	Consumptive Use													
Nellis Air Force Base														
Diversion at Saddle Island, Lake Mead	Diversion <u>1/</u>	128	122	165	170	230	279	305	153	168	246	116	108	2,200
	Return													2/
	Consumptive Use													

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
Randall, William C. Lot No. 3, Sec. 13, T. 32 S., R. 66 E., MDBM	Diversion Return													2 4/ 2/
Southern California Edison Company Diversion at Pumping Plant in Sec. 24, T. 32 S., R. 66 E., MDBM	Diversion Return Consumptive Use	1,102	1,059	187	727	1,581	1,617	1,871	1,506	1,450	1,081	1,175	1,353	14,709 2/
Wielke, Armin T. All except W. 500' and E. 630' of Lot No. 1, Sec. 33, T. 32 S., R. 66 E., MDBM	Diversion Return													3 4/ 2/
Portenier, Warren, E. E <sup>1</sup> / <sub>2</sub> , Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDBM	Diversion													42 4/ 2/
Welles, John C. 1 Pump E <sup>1</sup> / <sub>2</sub> , Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDBM	Diversion Return													10 4/ 2/
Cavanah, Milton E. 1 Pump W <sup>1</sup> / <sub>2</sub> , Lot No. 2, Sec. 33, T. 32 S., R. 66 E., MDBM	Diversion Return													20 4/ 2/
RETURN FLOWS LAS VEGAS WASH RETURN		2,831	3,028	2,500	2,484	2,341	1,996	2,016	2,116	3,026	3,163	2,909	2,947	31,357 6/
Nevada Totals	Diversion Return Consumptive Use	6,435 3,170 3,265	6,152 3,374 2,778	6,620 2,860 3,761	7,695 2,789 4,906	10,796 2,616 8,179	12,574 2,246 10,329	12,922 2,299 10,623	12,421 2,434 9,987	10,401 3,351 7,051	8,232 3,491 4,741	7,312 3,240 4,072	6,724 3,300 3,424	108,352 5/ 35,170 73,192 5/

Note: The term "Consumptive Use" in this tabulation means measured diversion less measured return 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 4/.
- 6/ Estimated.

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 1976

The following tabulations for calendar year 1976 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.

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 1976  
STATE OF ARIZONA

(VIC)

(ACRE - FEET) Sheet 1 of 3

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	3,144	1,119	1,932	1,799	1,980	1,156	3,477	1,829	5,659	1,436	987	1,823	26,341
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	117	87	478	405	165	149	331	966	371	524	194	704	4,401
	Delivered to Storage 2/	3,027	1,024	1,454	1,182	1,815	1,007	3,146	863	3,654	912	793	1,119	19,556
	Delivered to Mexico in Excess of Treaty	0	8	0	212	0	0	0	0	1,634	0	0	0	1,854
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/	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	552	974	746	823	751	950	792	918	1,315	756	906	752	10,235
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	90	105	113	99	190	167	111	89	111	109	61	222	1,467
	Delivered to Storage 2/	462	855	633	662	561	783	681	829	839	647	845	530	8,327
	Delivered to Mexico in Excess of Treaty	0	14	0	62	0	0	0	0	365	0	0	0	441
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/	0	0	0	0	0	0	0	0	0	0	0	0	0
	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	3,812	5,905	2,745	6,793	5,207	1,912	5,859	385	14,085	6,040	4,598	6,031	63,372
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	736	270	1,057	240	1,464	379	833	50	710	819	298	1,440	8,296
	Delivered to Storage 2/	3,076	5,353	1,688	4,294	3,743	1,533	5,026	335	7,054	5,221	4,300	4,591	46,214
	Delivered to Mexico in Excess of Treaty	0	282	0	2,259	0	0	0	0	6,321	0	0	0	8,862
Yuma Irrigation District	Ordered But Not Diverted	794	728	351	662	974	1,015	494	815	940	634	616	696	8,719
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	179	22	115	22	216	148	56	176	89	49	75	133	1,222
	Delivered to Storage 2/	615	676	236	454	756	867	438	639	550	585	541	563	6,920
	Delivered to Mexico in Excess of Treaty	0	30	0	186	0	0	0	0	301	0	0	0	517



RELEASES OF MAINSTREAM WATER PURSUANT TO ORDERS

(VIC)

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 1976

STATE OF ARIZONA

(ACRE - FEET) Sheet 2 of 3

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	1,000	1,646	688	1,456	571	859	557	1,557	2,432	2,487	1,591	1,224	16,066
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	70	42	127	171	32	34	53	313	103	273	161	286	1,666
	Delivered to Storage 2/	930	1,464	561	924	539	825	504	1,244	1,311	2,214	1,430	938	12,884
	Delivered to Mexico in Excess of Treaty	0	139	0	361	0	0	0	0	1,018	0	0	0	1,518
Unit B I. and D.D. Diversion at Imperial Dam	Ordered But Not Diverted	202	218	240	258	244	238	299	325	242	165	121	137	2,489
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	30	2	46	30	36	10	27	103	46	12	2	42	366
	Delivered to Storage 2/	172	186	194	228	208	228	272	222	139	153	119	95	2,216
	Delivered to Mexico in Excess of Treaty	0	30	0	0	0	0	0	0	57	0	0	0	87
City of Yuma Diversion at Imperial Dam	Ordered But Not Diverted	0	53	76	95	0	0	38	96	312	166	6	43	885
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	0	12	75	37	0	0	16	87	36	42	3	20	268
	Delivered to Storage 2/	0	38	1	26	0	0	22	9	126	124	3	23	362
	Delivered to Mexico in Excess of Treaty	0	3	0	32	0	0	0	0	160	0	0	0	195
Yuma County Water Users' Association Diversion at Imperial Dam	Ordered But Not Diverted	3,106	5,090	364	4,768	2,835	1,164	2,371	623	2,955	3,413	4,688	2,537	33,914
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	2,190	1,159	357	1,883	1,815	673	1,012	569	345	851	1,789	1,170	13,623
	Delivered to Storage 2/	916	3,672	7	1,298	1,020	491	1,359	54	1,097	2,562	2,899	1,367	15,742
	Delivered to Mexico in Excess of Treaty	0	249	0	1,587	0	0	0	0	1,513	0	0	0	3,349
Cocopah Indian Reservation Diversion at Imperial Dam	Ordered But Not Diverted	8	10	1	20	7	2	7	3	14	1	3	1	77
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	6	3	1	8	4	1	3	3	2	0	1	0	32
	Delivered to Storage 2/	2	7	0	5	3	1	4	0	5	1	2	1	31
	Delivered to Mexico in Excess of Treaty	0	0	0	7	0	0	0	0	7	0	0	0	14

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 1976

STATE OF ARIZONA

(ACRE - FEET) Sheet 3 of 3

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Arizona Totals	Ordered But Not Diverted	12,618	15,743	7,143	16,674	12,569	7,296	13,894	6,551	27,954	15,098	13,516	13,244	162,300
	Delivered to Mexico in													
	Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	3,418	1,713	2,369	2,895	3,924	1,561	2,442	2,356	1,813	2,679	2,584	4,017	31,771
	Delivered to Storage 2/	9,200	13,275	4,774	9,073	8,645	5,735	11,452	4,195	14,765	12,419	10,932	9,227	113,692
	Delivered to Mexico in													
	Excess of Treaty	0	755	0	4,706	0	0	0	0	11,376	0	0	0	16,837

1/ No orders received.

2/ Available for future use.

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 1976

STATE OF CALIFORNIA

(ACRE - FEET) Sheet 1 of 2

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	0	761	533	691	2,738	1,348	1,465	719	0	0	0	8,255
	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	0	761	533	691	2,738	1,348	1,465	719	0	0	0	8,255
	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	Ordered But Not Diverted	1,160	4,318	2,820	5,461	5,722	1,607	3,261	2,450	8,878	1,823	2,277	1,773	41,550
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	122	662	498	867	452	184	212	619	355	272	242	353	4,568
	Delivered to Storage 1/	978	3,416	2,322	2,474	5,270	1,423	3,049	1,831	3,281	1,551	2,035	1,420	29,050
	Delivered to Mexico in Excess of Treaty	0	240	0	2,120	0	0	0	0	5,242	0	0	0	7,602
Yuma Project Reservation Division Bard Unit Diversion at Imperial Dam	Ordered But Not Diverted	409	700	503	936	615	326	434	152	428	546	850	1,164	7,063
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	304	129	412	623	288	178	213	111	23	104	321	769	3,475
	Delivered to Storage 1/	105	556	91	221	327	148	221	41	129	442	529	395	3,205
	Delivered to Mexico in Excess of Treaty	0	15	0	92	0	0	0	0	276	0	0	0	383
Yuma Project Reservation Division Indian Unit Diversion at Imperial Dam	Ordered But Not Diverted	420	796	505	849	533	211	323	146	637	545	566	514	6,105
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	311	147	413	565	249	115	188	107	35	104	214	340	2,788
	Delivered to Storage 1/	109	631	92	201	284	96	195	39	190	41	352	174	2,804
	Delivered to Mexico in Excess of Treaty	0	18	0	83	0	0	0	0	412	0	0	0	513
Imperial Irrigation District Diversion at Imperial Dam	Ordered But Not Diverted	1,162	10,197	1,269	18,413	7,591	0	0	0	28,150	2,981	6,809	1,484	78,056
	Delivered to Mexico in Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	204	642	940	730	419	0	0	0	336	403	0	252	3,966
	Delivered to Storage 1/	958	8,926	329	8,793	7,172	0	0	0	14,529	2,576	6,809	1,232	51,206
	Delivered to Mexico in Excess of Treaty	0	629	0	8,890	0	0	0	0	13,285	0	0	0	22,804
Coachella Valley County Water District Diversion at Imperial Dam	Ordered But Not Diverted	0	0	0	0	833	277	694	0	6,468	1,527	555	0	10,354
	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	294	29	0	0	1,041	135	0	0	1,499
	Delivered to Storage 1/	0	0	0	0	539	248	694	0	2,023	1,392	555	0	5,451
	Delivered to Mexico in Excess of Treaty	0	0	0	0	0	0	0	0	3,404	0	0	0	3,404

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 1976  
 STATE OF CALIFORNIA

(VIC)

(ACRE - FEET) Sheet 2 of 2

WATER USER		JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
California Totals	Ordered But Not Diverted	3,151	16,011	5,858	26,192	15,985	5,159	6,120	4,213	45,280	7,422	11,057	4,935	151,383
	Delivered to Mexico in													
	Satisfaction of Treaty	0	0	0	0	0	0	0	0	0	0	0	0	0
	Diverted by Others	1,001	1,580	2,263	2,785	1,702	506	613	837	1,790	1,018	777	1,714	16,586
	Delivered to Storage <sup>1/</sup>	2,150	13,529	3,595	12,222	14,283	4,653	5,507	3,376	20,871	6,404	10,280	3,221	100,091
	Delivered to Mexico in													
	Excess of Treaty	0	902	0	11,185	0	0	0	0	22,619	0	0	0	34,765

<sup>1/</sup> 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 1976

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY  
 AND  
 WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS  
 CALENDAR YEAR 1976

V(D)

ACRE FEET.

	JANUARY	FEBRUARY	MARCH	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	TOTALS
Deliveries to Mexico in Satisfaction of Treaty	89,178	116,742	182,409	211,595	108,635	105,392	145,927	142,685	90,799	72,064	79,450	154,224	1,500,000
Passing to Mexico in Excess of Treaty Requirements	18,983	8,694	18,628	25,254	19,143	18,344	18,984	19,545	69,258	19,593	18,354	19,444	274,224 <sup>1/</sup>

<sup>1/</sup> Includes 205,395 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 1976