

UNITED STATES
DEPARTMENT OF THE INTERIOR
James G. Watt, Secretary

BUREAU OF RECLAMATION
Robert N. Broadbent, Commissioner

LOWER COLORADO REGION
N. W. Plummer, Regional Director

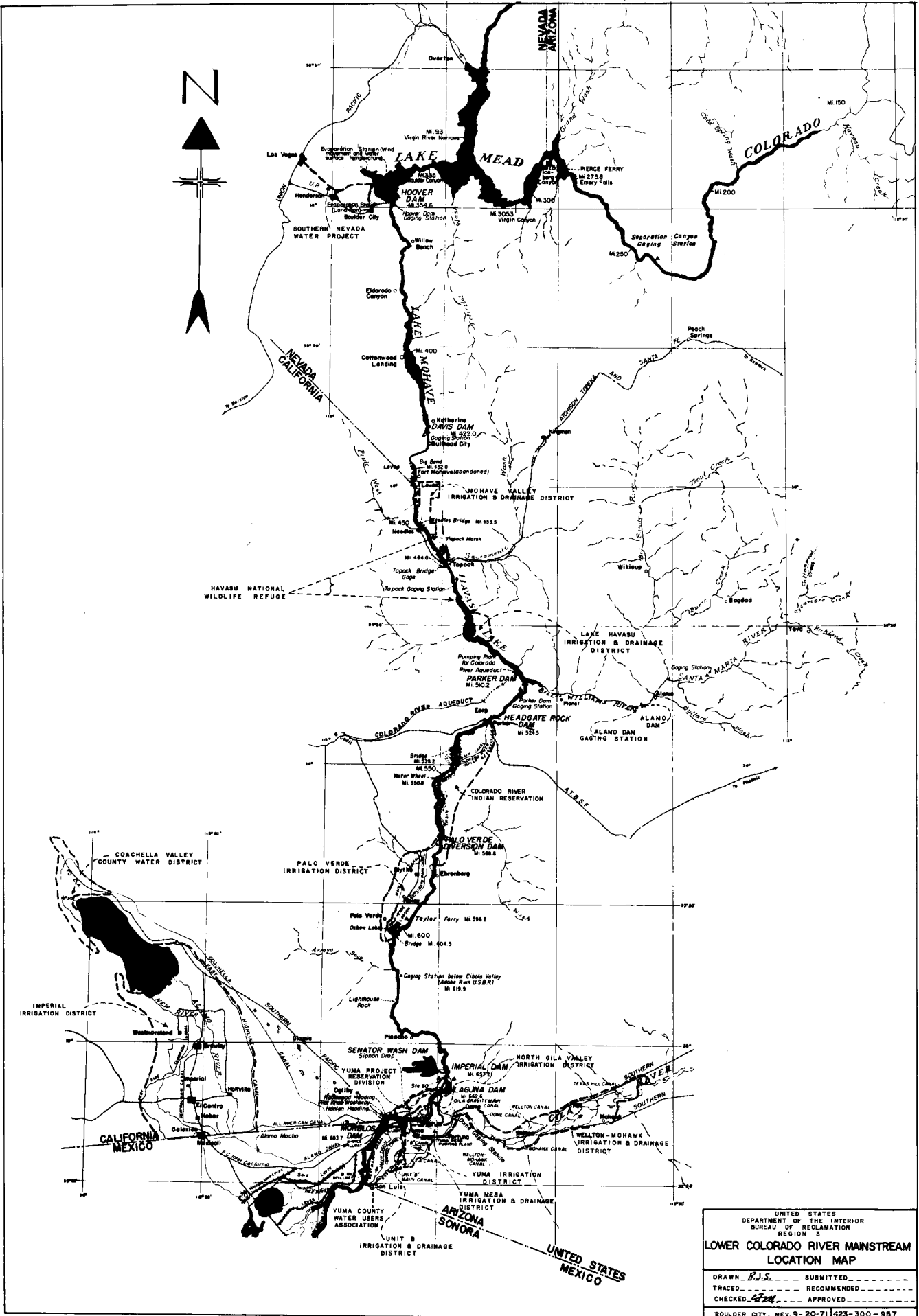
COMPILATION OF RECORDS IN
ACCORDANCE WITH ARTICLE V OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964
CALENDAR YEAR 1981

Division of Water and Land Operations
Boulder City, Nevada

December 1982

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UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 REGION 3

**LOWER COLORADO RIVER MAINSTREAM
 LOCATION MAP**

DRAWN *B.S.* SUBMITTED _____
 TRACED _____ RECOMMENDED _____
 CHECKED *W.P.* 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

CALENDAR YEAR 1981

The following tabulations for calendar year 1981 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 U.S. 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
 CALENDAR YEAR 1981

V(A)

STRUCTURE	(ACRE-FEET)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
HOOVER DAM	618800	536000	814500	1016000	857300	835000	864200	915100	662600	379400	388000	397200	8284100
DAVIS DAM	512100	518400	821500	1008000	812300	975700	1051000	977900	629300	392800	313100	332400	8344500
PARKER DAM	462400	453900	697000	869200	676200	829300	942000	881300	563800	326100	234100	293800	7229100
HEADGATE ROCK DAM 1/	459900	413100	641400	801400	612400	742500	850700	798000	509500	298000	217100	277000	6621000
PALO VERDE DAM 2/	426500	340600	556700	674000	507800	609000	698200	663400	429500	266000	198600	240700	5611000
IMPERIAL DAM 3/	101300	19050	36800	26290	25880	25150	26100	36670	21740	17230	16700	25940	378850
LAGUNA DAM	101300	21530	37680	30150	26930	24190	26520	35010	20950	18210	17810	28300	388580

1/ COLORADO RIVER BELOW PARKER DAM LESS DIVERSION AT HEADGATE ROCK DAM.

2/ MEASURED THROUGH THE GATES OF PALO VERDE DAM.

3/ INCLUDES DIVERSION TO MITTRY LAKE.

RECORDS OF DIVERSIONS, RETURN FLOWS, AND CONSUMPTIVE USE
IN ACCORDANCE WITH ARTICLE V(B) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES IN

ARIZONA v. CALIFORNIA

DATED MARCH 9, 1964

CALENDAR YEAR 1981

The following tabulations for calendar year 1981 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 U.S. Geological Survey, International Boundary and Water Commission, Bureau of Indian Affairs, Bureau of Reclamation (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 1981 was made by two basic methods: (1) For most electric pumps, diversion was computed on a monthly basis from power records and a "kilowatthour per acre-foot factor" that was determined by discharge measurement; (2) For pumps other than electric, a consumptive use 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 and orthophotomaps 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 user areas. A Task Force on Unmeasured Return Flows to the Lower Colorado River, consisting of State and Federal members, was organized during 1970 to provide advice and guidance to Reclamation and the U.S. Geological Survey which are jointly conducting a program to determine the location and amounts of such unmeasured return flows. These studies to determine unmeasured return flows are continuing, and when quantities are determined such amounts are anticipated to 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 1981
STATE OF ARIZONA

V(B)

(ACRE-FEET) SHEET 1 OF 5

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
LAKE HEAD NATIONAL RECREATION AREA DIVERSION FROM LAKE MOHAVE	DIVERSION	9	6	11	22	23	37	41	37	28	24	19	16	273
	RETURN													
	CONSUMPTIVE USE													
DAVIS DAM AND GOVERNMENT CAMP DIVERSION AT DAVIS DAM	DIVERSION	6	9	11	14	18	33	31	48	27	18	14	14	243
	RETURN													
	CONSUMPTIVE USE													
MOHAVE WATER CONSERVATION DISTRICT PUMPED FROM WELLS	DIVERSION	3	3	2	4	5	5	6	5	4	5	4	3	49
	RETURN													
	CONSUMPTIVE USE													
MOHAVE VALLEY I. & D. DISTRICT PUMPED FROM WELLS AND DIVERTED FROM INLET CHANNEL TO HAVASU REFUGE	DIVERSION	1260	1287	2608	3152	3440	4152	3822	6103	3006	1003	904	276	31013
	RETURN													
	CONSUMPTIVE USE													
FORT MOHAVE INDIAN RESERVATION 9 PUMPS AND WELLS IN FLOOD PLAIN	DIVERSION 11/	725	899	1941	5784	4588	5350	7817	8431	7563	4315	3831	632	51876
	RETURN													
	CONSUMPTIVE USE													
HAVASU NATIONAL WILDLIFE REFUGE PUMPED FROM WELL	DIVERSION	1	2	5	10	10	10	13	13	8	4	3	1	80
INLET-NW NE NW SEC 33 T9N	DIVERSION	506	3112	4417	2351	4789	6293	4601	7404	4066	1075	494	374	39482
R22W 6&SRM	RETURN	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	507	3114	4422	2361	4799	6303	4614	7417	4074	1079	497	375	39562

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

V(B)

(ACRE-FEET) SHEET 2 OF 5

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
LAKE HAVASU IRRIGATION AND DRAINAGE DISTRICT PUMPED FROM WELLS	485	404	505	683	856	1005	1091	1087	932	750	619	499	8916
DIVERSION RETURN CONSUMPTIVE USE													
GRAHAM WATER UTILITIES INC. PUMPED FROM WELLS	7	7	8	10	6	13	15	14	12	9	8	7	116
DIVERSION RETURN CONSUMPTIVE USE													
HOLIDAY HARBOR UTILITIES INC. PUMPED FROM WELLS	1	1	1	1	2	3	4	4	3	2	1	1	24
DIVERSION RETURN CONSUMPTIVE USE													
TOWN OF PARKER 1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	51	52	64	106	123	214	203	193	135	75	66	52	1334
DIVERSION RETURN CONSUMPTIVE USE													
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM PUMPED FROM 2 WELLS IN PARKER SW NE SE SEC 2 T9N R21W G&SRM	2507	40805	55572	67764	63831	86838	91340	83287	54269	28072	16978	16838	608101
DIVERSION	9	9	9	9	9	10	10	10	10	9	9	9	112
4 WELLS IN POSTON NW SEC 36 T8N R21W G&SRM	8	8	9	9	10	10	11	11	10	9	8	8	111
DIVERSION													
3 PUMPS SW SW NE SEC 14 T5N R22W G&SRM	6	103	141	172	162	220	232	211	138	71	43	43	1542
DIVERSION 2/													
3 PUMPS NE SW NW SEC 14 T4N R22W G&SRM	57	925	1259	1535	1446	1968	2070	1887	1230	636	385	382	13780
DIVERSION 2/													
RETURN	13169	13718	17976	21781	23755	23427	26207	27709	26388	21694	15658	13036	244518
CONSUMPTIVE USE	-10582	28132	39014	47708	41703	65619	67456	57697	29269	7103	1765	4244	379128

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

V(B)

(ACRE-FEET) SHEET 3 OF 5

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
EHRENBURG IMPROVEMENT ASSN. 1 PUMP SW SEC 3 T3N R22W G&SRM	DIVERSION RETURN CONSUMPTIVE USE	6	6	7	7	9	10	13	11	8	7	7	5	96
CIBOLA NATIONAL WILDLIFE REFUGE INLET CIBOLA LAKE 3 PUMPS	DIVERSION DIVERSION 10/ RETURN CONSUMPTIVE USE	493	28	1540	1900	486	724	1050	709	20	202	704	190	8046
		269	404	783	673	915	1078	1170	1035	915	827	295	558	8922
		0	0	391	1320	243	473	1190	1020	99	0	0	0	4736
		762	432	1932	1253	1158	1329	1030	724	836	1029	999	748	12232
ARIZONA FISH AND GAME 1 PUMP	DIVERSION RETURN CONSUMPTIVE USE	60	90	174	149	203	239	260	230	203	183	65	124	1980
IMPERIAL NATIONAL WILDLIFE REFUGE 2 WELLS SEC 13 T5S R22W G&SRM	DIVERSION 10/ RETURN CONSUMPTIVE USE	8	9	9	16	14	15	14	15	12	11	10	5	138
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM	DIVERSION RETURN CONSUMPTIVE USE	0	0	2	2	0	0	0	0	0	0	0	0	4
NORTH GILA VALLEY IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION RETURN CONSUMPTIVE USE	2980	3304	3340	5848	4993	5523	5236	5582	4399	3869	3598	1917	50589
		731	774	537	708	778	748	792	948	776	743	812	420	8767
		2249	2530	2803	5140	4215	4775	4444	4634	3623	3126	2786	1497	41822

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

V(B)

(ACRE-FEET) SHEET 4 OF 5

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
WARREN ACT CONTRACTORS														
DIVERSION AT IMPERIAL DAM	DIVERSION	108	25	162	43	40	32	6	0	82	28	41	117	684
	RETURN													
	CONSUMPTIVE USE													
WELLTON-MOHAWK I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	15830	28870	38515	51568	42104	52945	58475	58022	42316	22260	18189	12140	441234
	RETURN 3/	16774	13244	14896	14357	13865	10997	10388	11169	11734	12048	11474	12190	153136
	CONSUMPTIVE USE	-944	15626	23619	37211	28239	41948	48087	46853	30582	10212	6715	-50	288098
YUMA IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	3468	4708	4489	6230	5454	6782	8586	7036	6494	4405	4311	3910	65873
PUMPED FROM PRIVATE WELLS	DIVERSION	764	850	795	1552	1491	1733	2128	2340	1683	532	447	580	14895
	RETURN													
	CONSUMPTIVE USE													
YUMA MESA I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION 5/ RETURN	11825	10507	14892	20564	23670	29457	32973	31376	27048	16256	12157	10564	241289
	CONSUMPTIVE USE													
UNIT 'B' I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION 6/ RETURN	1540	1429	2359	3515	3248	4349	5247	4642	4335	2524	1883	1676	36747
	CONSUMPTIVE USE													
RETURN FROM SOUTH GILA VALLEY	RETURN 4/	3519	4636	4295	4196	5314	6058	6944	7149	6278	3133	2592	5953	60067

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

V(B)

(ACRE-FEET) SHEET 5 OF 5

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM	DIVERSION	907	888	1041	1253	1463	1682	1780	1656	1528	1251	1116	1017	15582
	RETURN	467	428	472	442	492	530	551	524	523	510	526	529	5994
	CONSUMPTIVE USE	440	460	569	811	971	1152	1229	1132	1005	741	590	488	9588
YUMA COUNTY WATER USERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION 7/	17248	24349	25014	29774	31428	36247	41073	33033	26439	19542	14272	16038	314457
PUMPED FROM WELLS	DIVERSION	652	543	620	614	725	735	796	688	674	685	653	598	7983
	RETURN	7328	7537	8466	8990	9222	8227	7989	8815	8096	8369	7632	7102	97773
	CONSUMPTIVE USE	10572	17355	17168	21398	22931	28755	33880	24906	19017	11858	7293	9534	224667
COCOPAH INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	58	63	46	98	118	118	259	95	6	10	8	0	879
PUMPED FROM WELLS	DIVERSION	2	1	1	2	3	2	5	2	0	0	0	0	18
	RETURN													
	CONSUMPTIVE USE													
PROTECTIVE AND REGULATORY PUMPING UNIT														
	RETURN 8/	0	0	0	297	2750	2800	3020	2073	2326	2711	27	2962	18966
YUMA MESA OUTLET DRAIN														
	RETURN 8/	1818	1787	2442	2674	2618	2346	2154	2071	2227	2535	2410	3049	28131
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY														
	DIVERSION 9/	2377	3919	5664	6619	7829	8204	9329	9270	7195	5831	2602	2631	71470
ARIZONA TOTALS														
	DIVERSION	64236	127625	166016	212053	203511	256036	279707	264487	194798	114500	83744	71225	2037938
	RETURN	43806	42124	49475	54765	59037	55606	59235	61478	58447	51743	41131	45241	622088
	CONSUMPTIVE USE	20430	85501	116541	157288	144474	200430	220472	203009	136351	62757	42613	25984	1415850

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 UNLESS SHOWN ON REPORT.

2/ CALCULATED FROM MONTHLY POWER RECORDS.

3/ THIS FIGURE MAY INCLUDE SOME GILA RIVER WATER. NO EFFORT HAS BEEN MADE IN THIS OR PAST REPORTS TO SEGREGATE THE GILA RIVER COMPONENT FROM THE COLORADO RIVER COMPONENT IN THE WELLTON-MOHAWK DRAINAGE AS NO METHODOLOGY HAS YET BEEN DEVELOPED THEREFOR. SUCH AN EFFORT WILL BE MADE IN FUTURE YEARS, AS DEEMED APPROPRIATE SINCE WELLTON-MOHAWK IS NOT ENTITLED TO RETURN CREDIT FOR GILA RIVER WATER. THIS FIGURE INCLUDES 148,426 ACRE-FEET OF WELLTON-MOHAWK DRAINAGE DELIVERED TO MEXICO IN EXCESS OF MINIMUM TREATY REQUIREMENTS PURSUANT TO PROVISIONS OF MINUTE NO. 242.

4/ PUMPED FROM UNDERGROUND AND UNASSIGNED TO DISTRICT 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	9
DESERT LAWN MEMORIAL	B3.7 LATERAL	161
SOUTHERN PACIFIC COMPANY	B3.7 LATERAL	14
SOUTHERN PACIFIC COMPANY	AFTER BAY OF YUMA MESA PUMPING PLANT	46
YUMA MESA FRUIT GROWERS ASSOCIATION	B3.7 W. LATERAL	12
COUNTY OF YUMA, ARIZONA	B3.8 LATERAL	12
MARINE CORPS AIR STATION, DEPARTMENT OF THE NAVY	B CANAL AND B-5.5 W. LATERAL	1780
TOTAL		2034

6/ INCLUDES DELIVERIES TO THE FOLLOWING WATER USERS WHO HAVE CONTRACTS WITH THE UNITED STATES.

UNIVERSITY OF ARIZONA	B MAIN CANAL	870
CAMILLE ALEC, JR.	B-8 LATERAL	88

7/ INCLUDES DELIVERIES TO THE FOLLOWING WATER USERS WHO HAVE CONTRACTS WITH THE UNITED STATES.

YUMA UNION HIGH SCHOOL DISTRICT	YUMA MAIN CANAL	312
CITY OF YUMA - SMUCKER PARK	YUMA MAIN CANAL	698

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/ MONTHLY DISTRIBUTION NOT AVAILABLE, DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN IMMEDIATE AREA.

11/ COMPUTED USING 6 ACRE-FEET PER IRRIGATED ACRE WITH ACREAGE FURNISHED BY THE BUREAU OF INDIAN AFFAIRS AND DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN THE IMMEDIATE AREA.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

V(B)

SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 1 OF 5

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
CLAYTON, RALPH 2 PUMPS SW SE SW SEC 34 T4N R22W G&SRM	94	226	425	369	399	581	620	553	765	649	126	109	4916 2/
1 WELL SW SW SW SEC 34 T4N R22W G&SRM	0	0	0	0	0	65	45	143	27	0	0	0	280 2/
ARAKELIAN FARMS 1 PUMP SE NW SE SEC 16 T3N R22W G&SRM													2646
CIBOLA VALLEY IRRIGATION DISTRICT 1 PUMP SE SW NW SEC 21 T1N R23W G&SRM	127	115	361	455	307	542	518	439	276	0	40	0	3180 2/
3 PUMPS SE SE NE SEC 20 T1N R23W G&SRM	638	956	1854	1594	2165	2550	2770	2450	2167	1958	698	1322	21122 2/
SWAN, RON 2 PUMPS SW NW NE SEC 2 T15N R 24W G&SRM													240
BISHOP, LOUIS 2 PUMPS NW SW SW SEC 31 T1S R23W G&SRM													960

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DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

V(B)

SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 2 OF 5

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
BLM PERMITTEES	DIVERSION													76
SUBTOTALS-DAVIS DAM TO IMPERIAL DAM	DIVERSION 3/ DIVERSION 4/	859 114	1297 172	2640 351	2418 327	2871 381	3738 496	3953 525	3585 476	3235 430	2607 346	864 114	1431 190	29498 3922
PRATT, LOREN														
1 WELL SW NW NE SEC 14 T7S R22W G&SRM	DIVERSION													228
1 PUMP SE SW NW SEC 14 T7S R22W G&SRM	DIVERSION													222
DULIN, ARLIN														
1 WELL SE SW SW SEC 8 T8S R22W G&SRM	DIVERSION	125	86	190	176	256	121	158	236	274	214	65	5	1906 2/
1 WELL SE SW SW SEC 7 T8S R22W G&SRM	DIVERSION	0	0	0	127	154	8	183	186	126	0	0	0	784 2/
STURGES, STEVE														
9 WELLS SEC 18 T8S R 21W & SEC.'S 13 & 14 T8S R22W G&SRM	DIVERSION	613	1197	1111	1687	2013	1786	2121	2158	1204	1326	849	486	16551 2/
YOWELMAN, R.														
1 WELL NW SW SW SEC 17 T8S R22W G&SRM	DIVERSION													720

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DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

V(B)

SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 3 OF 5

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
AUZA, PETE														
1 WELL	DIVERSION	0	243	272	331	272	238	293	345	350	313	0	0	2657 2/
SE NW SW SEC 18 T8S R22W														
G&SRM														
1 PUMP	DIVERSION													1590
SE SE NE SEC 24 T8S R23W														
G&SRM														
1 WELL	DIVERSION													1590
SE SE SE SEC 18 T8S R22W														
G&SRM														
OTT, JUDD T.														
1 WELL	DIVERSION	25	28	73	66	80	92	153	83	69	28	1	72	770 2/
NW NE NW SEC 30 T8S R22W														
G&SRM														
1 WELL	DIVERSION	36	28	32	40	39	44	66	64	57	18	10	31	465 2/
SE SW SW SEC 19 T8S R22W														
G&SRM														
CAMERON BROS.														
2 WELLS	DIVERSION	88	74	88	147	273	385	213	454	244	46	119	69	2200 2/
SE NE SW SEC 24 T8S R22W														
G&SRM														
HARP, R.														
1 WELL	DIVERSION													1458
SE NE NE SEC 13 T8S R23W														
G&SRM														
VUKASOVICH														
1 WELL	DIVERSION	0	0	0	0	1	1	1	1	0	1	1	4	10 2/
SE NE SW SEC 24 T8S R22W														
G&SRM														
1 WELL	DIVERSION	34	14	36	40	57	69	98	85	76	32	51	21	613 2/
SW SW SE SEC 24 T8S R22W														
G&SRM														

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DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 4 OF 5

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
SUNKIST OF YUMA 1 WELL NE SE SW SEC 23 T8S R23W G&SRM	DIVERSION	10	13	22	40	39	49	103	38	34	14	10	12	384 2/
STANFORD, R. L. 1 WELL SW SE SE SEC 22 T8S R22W G&SRM	DIVERSION	22	31	29	48	25	22	52	47	66	46	45	17	450 2/
YUCCA POWERPLANT 1 WELL NE NW SW SEC 36 T16S R21E SBM	DIVERSION													779
NUNNALEY (G. RUSSELL) 1 WELL NE SE SW SEC 28 T16S R22E SBM	DIVERSION	47	30	50	52	49	11	12	11	13	11	5	2	293 2/
POWER, BILL 1 PUMP SW SW NE SEC 30 T16S R22E SBM	DIVERSION													1980

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DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF ARIZONA

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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 5 OF 5

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
POWER, R. E. (P. POWER) 1 PUMP SW SW NE SEC 30 T16S R22E SBM													1920
HALL, ANSIL 1 PUMP NW SW NW SEC 36 T16S R21E SBM													480
ARIZONA SUBTOTALS	1000	1744	1903	2754	3258	2826	3453	3708	2513	2049	1156	719	27083
IMPERIAL DAM TO INTERNATIONAL BOUNDARY	404	706	770	1120	1319	1144	1398	1501	1017	829	468	291	10967
ARIZONA TOTALS	2377	3919	5664	6619	7829	8204	9329	9270	7195	5831	2602	2631	71470

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 USERS FOR WHICH MONTHLY DISTRIBUTION IS SHOWN.

4/ TOTAL OF ITEMS FOR USERS 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 1980

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STATE OF ARIZONA

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(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
FORT MOHAVE INDIAN RESERVATION 9 PUMPS AND WELLS IN FLOOD PLAIN		508	1795	5268	8485	5330	9321	11193	10701	6899	2950	1138	888	64476
	DIVERSION RETURN CONSUMPTIVE USE													
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN		3420	3704	3984	7309	6927	6572	8108	9063	7301	6042	3491	2685	68606
	DIVERSION 9/													
DAVIS DAM TO INTERNATIONAL BOUNDARY		57226	82769	147357	197860	168954	215450	267559	253629	195078	125730	87178	81094	1880221 12/
	DIVERSION													
	RETURN	45498	41830	50996	57294	59816	58911	60595	64838	60865	58691	50156	49168	658658
	CONSUMPTIVE USE	11728	40939	96361	140566	109138	156539	206964	188791	134213	67039	37022	31926	1221563 12/
ARIZONA TOTALS														

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1981
STATE OF CALIFORNIA

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(ACRE-FEET) SHEET 1 OF 3

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
FORT MOHAVE INDIAN RESERVATION PUMPED FROM WELLS													
DIVERSION 7/ RETURN CONSUMPTIVE USE	267	332	716	2133	1691	1972	2883	3109	2789	1591	1412	233	19128
CITY OF NEEDLES 4 WELLS NW SW SEC 29 T9N R23E SRM													
DIVERSION RETURN CONSUMPTIVE USE	120 46 74	135 43 92	139 48 91	243 60 183	312 70 242	416 80 336	482 94 388	421 80 341	300 83 217	245 63 182	126 55 71	153 19 134	3092 741 2351
SAN BERNARDINO COUNTY 1 WELL													
DIVERSION RETURN CONSUMPTIVE USE	1	1	1	1	1	2	2	2	1	1	1	1	15
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU													
DIVERSION RETURN 5/ CONSUMPTIVE USE	62456 380 62076	46612 337 46275	57336 371 56965	78616 326 78290	97515 383 97132	84337 271 84066	93356 276 93080	73755 288 73467	78948 299 78649	66651 319 66332	48646 312 48334	42000 330 41670	830228 3892 826336
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM													
DIVERSION 6/ RETURN CONSUMPTIVE USE	8	10	13	16	21	38	36	55	31	21	16	15	280

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
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(ACRE-FEET) SHEET 3 OF 3

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	22537	26851	35210	47570	46238	48081	53683	54791	45762	29924	20450	21163	452260
DIVERSION RETURN CONSUMPTIVE USE													
CITY OF WINTERHAVEN 1 WELL SE SE NE SEC 27 T16S R22E SBM	8	8	9	11	13	15	16	16	14	11	10	9	140
DIVERSION 6/ RETURN CONSUMPTIVE USE													
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	429	918	1401	2152	2448	2651	4609	4141	2886	1203	475	611	23924
DIVERSION 3/													
CALIFORNIA TOTALS	246291	345765	443746	593902	552419	549234	629635	575942	504642	373514	263483	240291	5318864
DIVERSION													
RETURN	34462	34016	39938	42697	48465	46953	48293	49155	51805	48030	41460	37641	522915
CONSUMPTIVE USE	211829	311749	403808	551205	503954	502281	581342	526787	452837	325484	222023	202650	4795949

NOTE: THE TERM 'CONSUMPTIVE USE' IN THIS TABULATION MEANS MEASURED DIVERIONS INCLUDING UNDERGROUND PUMPING, LESS MEASURED RETURN FLOW AND LESS CURRENT ESTIMATED UNMEASURED RETURN FLOW TO THE RIVER.

- 1/ NO SURFACE RETURNS UNLESS SHOWN ON REPORT.
- 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/ DETAILS ON CALIFORNIA SUPPLEMENTAL SHEETS 1-6.
- 4/ 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.
- 5/ ESTIMATE BASED ON MEASURED REGULATORY RESERVOIRS SEEPAGE RETURNS LESS AN ESTIMATED AMOUNT OF PHREATOPHYTE USE.
- 6/ TOTAL OF ITEMS FOR WHICH MONTHLY DISTRIBUTION IS NOT SHOWN. DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN IMMEDIATE AREA.
- 7/ COMPUTED USING 6 ACRE-FEET PER IRRIGATED ACRE WITH ACREAGE FURNISHED BY THE BUREAU OF INDIAN AFFAIRS AND DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN THE IMMEDIATE AREA.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 2 OF 6

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
BERRYMAN														
1 WELL	DIVERSION	39	31	33	36	100	2	77	20	17	8	0	1	364 2/
NW NW NW SEC 2 T16S R23E														
SBM														
DUKE (P. POWER)														
1 PUMP	DIVERSION													1992
NW SW SW SEC 14 T16S R23E														
SBM														
MITCHELL, H.														
1 WELL	DIVERSION	0	44	56	66	64	0	12	45	44	44	27	16	418 2/
SE SE NW SEC 22 T16S R23E														
SBM														
PEREZ, F. (SLADE)														
1 WELL	DIVERSION	0	0	84	174	120	157	240	285	92	0	0	2	1154 2/
NE SE SW SEC 6 T8S R22W														
G&SRM														
BARRETT (R. HARP)														
1 WELL	DIVERSION													858
SE SW SW SEC 6 T8S R22W														
G&SRM														

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 3 OF 6

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
SPENCER, M. 1 WELL SW NE SW SEC 9 T16S R23E G&SRM	DIVERSION	0	0	0	0	109	49	125	132	102	21	0	0	538 2/
MARTIN, M. (A. DEES) 1 PUMP NE NW NW SEC 1 T8S R23W G&SRM	DIVERSION	0	24	0	86	48	65	172	185	86	0	0	0	666 2/
1 PUMP SE NE NW SEC 1 T8S R23W G&SRM	DIVERSION	0	117	0	0	0	0	0	0	0	119	0	0	236 2/
SCHAFFER, F. (R. HARP) 1 WELL SW SE NE SEC 2 T8S R23W G&SRM	DIVERSION	13	63	71	56	44	72	289	259	133	29	0	0	1029 2/
COLEY, M. 1 WELL SE SE SW SEC 18 T16S R232E SBM	DIVERSION	0	9	20	37	54	40	105	125	5	14	0	95	504 2/
COLVIN, C. F. 1 WELL NE SE SE SEC 2 T8S R23W G&SRM	DIVERSION	0	0	30	14	70	37	67	83	32	28	0	1	362 2/

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 4 OF 6

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
WILSON (R. HARP) 1 WELL NE NW NW SEC 12 T8S R23W G&SRM	DIVERSION	11	52	49	8	52	69	123	151	41	25	17	19	617 2/
EASTERDAY, ANNE 1 WELL SW SW SE SEC 1 T8S R23W G&SRM	DIVERSION	0	0	46	21	107	57	103	126	49	42	0	2	553 2/
DEES, JOHN 1 WELL SE NE SE SEC 1 T8S R23W G&SRM	DIVERSION	46	98	67	144	185	391	330	270	248	182	122	76	2159 2/
EVANS, E. (R. HARP) 1 WELL SE NE NE SEC 12 T8S R23W G&SRM	DIVERSION	8	0	100	0	11	37	80	0	0	0	0	0	236 2/
HARP R. 1 WELL SW NE SE SEC 12 T8S R23W G&SRM	DIVERSION													882

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DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 5 OF 6

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
EASTERDAY, KENNETH 1 WELL NW SE SW SEC 12 T8S R23W G&SRM	DIVERSION	51	56	75	191	158	177	286	79	305	10	68	73	1529 2/
SMITH, F. (P. POWER) 1 WELL NE SW SE SEC 11 T8S R23W G&SRM	DIVERSION	77	57	98	428	258	217	562	495	366	83	41	41	2723 2/
MUSGRAVE (BARKLEY COMPANY) 1 WELL NE SE SW SEC 19 T16S R23E SBM	DIVERSION	0	0	0	0	42	12	34	29	21	0	0	0	138 2/
HUTCHESON (SLADE) 1 PUMP SE SE SE SEC 27 T16S R22E SBM	DIVERSION	0	0	43	0	19	22	49	61	0	0	0	0	194 2/
SLADE, W. 1 PUMP SW NE SE SEC 29 T16S R22E SBM	DIVERSION	0	0	0	46	12	39	41	49	36	5	0	0	228 2/

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 6 OF 6

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
HUDSON, C. A. 1 PUMP NE NW SW SEC 29 T16S R22E SBM	DIVERSION	0	0	0	104	38	119	268	259	121	0	0	0	909 2/
CLOUD 1 WELL NW NW NW SEC 29 T16S R22E SBM	DIVERSION	0	29	43	3	117	112	217	201	213	54	5	0	994 2/
CALIFORNIA SUBTOTALS	DIVERSION 3/	245	580	815	1414	1608	1674	3180	2854	1911	664	280	326	15551
IMPERIAL DAM TO INTERNATIONAL BOUNDARY	DIVERSION 4/	68	162	228	404	451	470	893	801	536	186	78	91	4368
CALIFORNIA TOTALS	DIVERSION	429	918	1401	2152	2448	2651	4609	4141	2886	1203	475	611	23924

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 USERS FOR WHICH MONTHLY DISTRIBUTION IS SHOWN.

4/ TOTAL OF ITEMS FOR USERS 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
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REVISION TO THE 1980 REPORT

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
FORT MONAHE INDIAN RESERVATION PUMPED FROM WELLS	DIVERSION 8/ RETURN CONSUMPTIVE USE	348	472	1184	2346	2214	2393	3031	2865	1880	1025	663	461	18882
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 4/	380	996	1807	2630	1991	2573	3316	4838	3360	1935	511	331	24668
CALIFORNIA TOTALS	DIVERSION RETURN CONSUMPTIVE USE	240174	200040	441003	589413	512999	528864	608704	624545	513544	418620	300031	276170	5254235 5/
		31673	34040	37119	44591	48807	45951	48495	51621	49828	48559	41825	38719	521228
		208501	166000	403884	544822	464192	482913	560209	572924	463716	370061	258206	237451	4733007 5/

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 UNLESS SHOWN ON REPORT.

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 1-6.

5/ THE TOTAL IS 128 ACRE-FEET GREATER THAN THE SUM OF MONTHLY TOTALS BECAUSE OF NONAVAILABLE MONTHLY DISTRIBUTION OF DIVERSION BY THE 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.

8/ 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
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(ACRE-FEET) SHEET 1 OF 4

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
BOULDER CITY													
DIVERSION AT HOOVER DAM	50	57	55	76	80	67	37	38	26	58	51	48	643
DIVERSION AT SADDLE ISLAND, LAKE MEAD	166	140	176	340	422	560	640	530	452	323	247	174	4170
DIVERSION 2/ RETURN CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA													
DIVERSION AT LAKE MEAD	100	78	97	99	126	105	125	112	85	64	57	50	1098
DIVERSION AT SADDLE ISLAND, LAKE MEAD	4	4	4	6	6	10	12	10	7	6	3	4	76
DIVERSION 3/ RETURN CONSUMPTIVE USE													
BASIC MANAGEMENT INC.													
DIVERSION AT SADDLE ISLAND, LAKE MEAD	562	654	610	475	656	842	861	886	796	660	573	537	8112
DIVERSION RETURN CONSUMPTIVE USE													
CITY OF HENDERSON													
DIVERSION AT SADDLE ISLAND, LAKE MEAD	224	199	179	387	522	767	949	720	606	394	295	211	5453
DIVERSION AT SADDLE ISLAND, LAKE MEAD	216	266	359	490	479	571	520	528	477	364	397	279	4946
DIVERSION 3/ RETURN CONSUMPTIVE USE													
LAS VEGAS VALLEY WATER DISTRICT													
DIVERSION AT SADDLE ISLAND, LAKE MEAD	7172	6486	7524	8753	9320	10477	11634	9941	9842	9264	8205	6392	105010
DIVERSION 2/ RETURN CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
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(ACRE-FEET) SHEET 2 OF 4

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
NEVADA STATE DEPARTMENT OF FISH AND GAME													
DIVERSION AT SADDLE ISLAND, LAKE MEAD	351	312	280	146	164	205	241	345	369	366	357	376	3512
DIVERSION RETURN	351	312	279	145	164	205	240	344	369	366	357	375	3507
CONSUMPTIVE USE	0	0	1	1	0	0	1	1	0	0	0	1	5
PACIFIC COAST BUILDING PRODUCTS INC.													
DIVERSION AT GYPSUM WASH, LAKE MEAD	50	45	45	50	51	48	56	44	46	47	23	22	527
DIVERSION RETURN													
CONSUMPTIVE USE													
CITY OF NORTH LAS VEGAS													
DIVERSION AT SADDLE ISLAND, LAKE MEAD	316	268	333	557	779	1218	1446	1076	911	490	475	297	8166
DIVERSION 2/ RETURN													
CONSUMPTIVE USE													
MELLIS AIR FORCE BASE													
DIVERSION AT SADDLE ISLAND, LAKE MEAD	109	117	165	273	294	251	261	213	221	165	140	102	2311
DIVERSION 2/ RETURN													
CONSUMPTIVE USE													
SOUTHERN CALIFORNIA EDISON COMPANY													
PUMPED FROM SEC 24 T32S R66E MDR&M	1002	1174	982	1089	1004	1449	1333	1148	1184	1347	1044	1227	13983
DIVERSION RETURN													
CONSUMPTIVE USE													
RAHELLI, HELEN													
1 PUMP SEC 13 T32S R66E MDR&M													
DIVERSION 4/ RETURN													
CONSUMPTIVE USE													

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DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
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(ACRE-FEET) SHEET 3 OF 4

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
WIEBKE, ARMIN T. 1 PUMP SEC 33 T32S R66E MDB&M DIVERSION 4/ RETURN CONSUMPTIVE USE													7
PORTENIER, WARREN E. 1 PUMP SEC 33 T32S R66E MDB&M DIVERSION 4/ RETURN CONSUMPTIVE USE													42
WELLES, JOHN C. 1 PUMP SEC 33 T32S R66E MDB&M DIVERSION 4/ RETURN CONSUMPTIVE USE													8
KNIGHT, JOHN B. 1 PUMP SEC 33 T32S R66E MDB&M DIVERSION 4/ RETURN CONSUMPTIVE USE													5
BOY SCOUTS OF AMERICA 1 PUMP SEC 5 T33S R66E MDB&M DIVERSION 4/ RETURN CONSUMPTIVE USE													6

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DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
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(ACRE-FEET) SHEET 4 OF 4

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
LAS VEGAS WASH RETURNS	RETURN 6/	3846	3417	3820	3465	3616	3653	3684	3799	3605	3882	3773	3995	44555
NEVADA TOTALS	DIVERSION	10322	9800	10809	12741	13903	16570	18115	15591	15022	13548	11867	9719	158079 5/
	RETURN	4197	3729	4099	3610	3780	3858	3924	4143	3974	4248	4130	4370	48062
	CONSUMPTIVE USE	6125	6071	6710	9131	10123	12712	14191	11448	11048	9300	7737	5349	110017 5/

1/ NO SURFACE RETURN UNLESS SHOWN ON REPORT.

2/ DELIVERED THROUGH THE FACILITIES OF THE SOUTHERN NEVADA WATER PROJECT.

3/ DELIVERED THROUGH THE FACILITIES OF BASIC MANAGEMENT INC.

4/ REPORTS ANNUALLY.

5/ THE MONTHLY TOTALS DO NOT ADD TO THE ANNUAL TOTAL BECAUSE OF NONAVAILABILITY OF MONTHLY VALUES FOOTNOTED 4/.

6/ ESTIMATED BASED UPON THE PERCENTAGE OF COLORADO RIVER WATER USED IN THE LAS VEGAS VALLEY.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
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WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
LAS VEGAS WASH RETURNS	RETURN 6/	3968	3133	4182	3585	3497	3334	3516	3623	3616	3698	3547	3554	43253
NEVADA TOTALS	DIVERSION	7990	7107	7037	11307	13204	14370	15545	15890	13952	12795	10826	9976	140083 5/
	RETURN	4330	3471	4538	3945	3885	3709	3898	4000	3980	4061	3906	3934	47657
	CONSUMPTIVE USE	3660	3636	2499	7362	9319	10661	11667	11890	9972	8734	6920	6042	92426 5/

1/ NO SURFACE RETURN UNLESS SHOWN ON REPORT.

2/ DELIVERED THROUGH THE FACILITIES OF THE SOUTHERN NEVADA WATER PROJECT.

3/ DELIVERED THROUGH THE FACILITIES OF BASIC MANAGEMENT INC.

4/ REPORTS ANNUALLY.

5/ THE MONTHLY TOTALS DO NOT ADD TO THE ANNUAL TOTAL BECAUSE OF NONAVAILABILITY OF MONTHLY VALUES FOOTNOTED 4/.

6/ ESTIMATE BASED ON THE PERCENTAGE OF COLORADO RIVER WATER USED IN THE 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

CALENDAR YEAR 1981

The following tabulations for calendar year 1981 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 travel time 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 in Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any "water ordered but not diverted" would be retained for future use and would have no significant effect on scheduling of daily operations of the reservoir.

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

V(C)

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1981
STATE OF ARIZONA

(ACRE-FEET) SHEET 1 OF 3

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS	
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	ORDERED BUT NOT DIVERTED	962	2168	1484	2239	1605	992	883	1745	986	379	557	946	14946
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	0	282	627	690	262	214	179	272	514	234	341	553	4168
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN	962	1886	857	1545	1343	778	704	1473	472	145	216	393	10774
	EXCESS OF TREATY	0	0	0	4	0	0	0	0	0	0	0	0	4
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	0	0	0	0	0	0	0	0	0	0	0	0	0
	EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	879	738	988	500	516	682	845	748	841	502	192	770	8201
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	159	200	196	87	93	420	496	190	419	180	63	91	2594
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN	720	482	738	344	423	262	349	465	422	322	129	679	5335
	EXCESS OF TREATY	0	56	54	69	0	0	0	93	0	0	0	0	272
WARREN ACT CONTRACTORS GILA PROJECT DISTRICTS 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	0	0	0	0	0	0	0	0	0	0	0	0	0
	EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0

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

V(C)

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1981
STATE OF ARIZONA

(ACRE-FEET) SHEET 2 OF 3

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
WELLTON-MOHAWK I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	6569	2247	6550	3860	6054	4340	5415	5470	5264	3644	1567	5080	56060
	DELIVERED TO MEXICO IN													
	SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	446	129	182	377	1063	555	1636	657	938	653	595	758	7989
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	6123	1787	5527	2989	4991	3785	3779	3313	4326	2991	972	4322	44905
		0	331	841	494	0	0	0	1500	0	0	0	0	3166
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	526	353	1224	605	702	482	121	516	163	393	405	38	5528
	DELIVERED TO MEXICO IN													
	SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	216	137	284	145	147	123	71	91	50	303	192	2	1761
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	310	168	654	404	555	359	50	360	113	90	213	36	3312
		0	48	286	56	0	0	0	65	0	0	0	0	455
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	3830	2575	4007	2828	1212	962	260	1351	1964	3003	2007	4748	28747
	DELIVERED TO MEXICO IN													
	SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	420	716	817	855	167	349	177	93	424	1006	718	452	6194
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	3410	1542	2339	1743	1045	613	83	701	1540	1997	1289	4296	20598
		0	317	851	230	0	0	0	557	0	0	0	0	1955
UNIT 'B' I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	407	202	430	311	301	206	228	567	413	442	93	369	3969
	DELIVERED TO MEXICO IN													
	SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	18	67	44	28	42	10	123	107	165	103	60	103	870
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	389	81	247	259	259	196	105	280	248	339	33	266	2702
		0	54	139	24	0	0	0	180	0	0	0	0	397

RELEASE OF 1 STREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND

V(C)

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 1981
 STATE OF ARIZONA

(ACRE-FEET) SHEET 3 OF 3

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CITY OF YUMA DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	0	0	0	0	0	0	0	61	17	162	100	155	495
	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	19	5	101	64	82	271
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN	0	0	0	0	0	0	0	28	12	61	36	73	210
	EXCESS OF TREATY	0	0	0	0	0	0	0	14	0	0	0	0	14
YUMA COUNTY WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	2630	1730	3821	3003	2776	1998	1336	5377	1560	1878	1583	1874	29566
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	670	968	963	1005	649	1201	535	1659	451	1175	1020	987	11283
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN	1960	469	2458	1632	2227	797	801	2456	1109	703	563	887	16062
	EXCESS OF TREATY	0	293	400	366	0	0	0	1262	0	0	0	0	2321
COCOPAH INDIAN RESERVATION DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	8	4	5	8	9	5	7	13	0	1	1	0	61
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	2	2	1	3	2	3	3	4	0	1	1	0	22
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN	6	1	3	4	7	2	4	6	0	0	0	0	33
	EXCESS OF TREATY	0	1	1	1	0	0	0	3	0	0	0	0	6
ARIZONA TOTALS	ORDERED BUT NOT DIVERTED	15811	10017	18509	13354	13175	9667	9095	15848	11208	10404	6505	13980	147573
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	1931	2501	3114	3190	2425	2875	3220	3092	2966	3756	3054	3028	35152
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN	13880	6416	12823	8920	10850	6792	5875	9082	8242	6648	3451	10952	103931
	EXCESS OF TREATY	0	1100	2572	1244	0	0	0	3674	0	0	0	0	8590

1/ NO ORDER RECEIVED.
 2/ AVAILABLE FOR FUTURE USE.

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

V(C)

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 1981
 STATE OF CALIFORNIA

(ACRE-FEET) SHEET 1 OF 2

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
METROPOLITAN WATER DISTRICT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERTED	2524	0	0	94	1776	138	2124	275	1102	1549	0	0	9582
	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/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2524	0	0	94	1776	138	2124	275	1102	1549	0	0	9582
		0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	ORDERED BUT NOT DIVERTED	843	105	932	831	460	1424	1349	1410	294	545	58	119	8370
	DELIVERED TO MEXICO IN													
	SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	278	95	230	238	194	454	633	177	175	65	16	22	2577
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	565	10	702	539	266	970	716	1233	119	480	42	97	5739
		0	0	0	54	0	0	0	0	0	0	0	0	54
YUMA PROJECT RESV. DIVISION BARD UNIT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	953	417	1335	919	1289	1185	859	1364	914	471	1234	1018	11958
	DELIVERED TO MEXICO IN													
	SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	531	173	956	536	750	612	562	248	440	327	885	588	6608
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	422	103	294	286	539	573	297	712	475	145	349	430	4625
		0	140	85	96	0	0	0	404	0	0	0	0	725
YUMA PROJECT RESV. DIVISION INDIAN UNIT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	798	426	1486	807	905	1072	708	1383	923	344	321	633	9806
	DELIVERED TO MEXICO IN													
	SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	445	178	1066	372	527	554	463	252	443	238	230	366	5134
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	353	105	325	252	378	518	245	722	479	105	91	268	3841
		0	144	95	84	0	0	0	409	0	0	0	0	732

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

V(C)

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1981
STATE OF CALIFORNIA

(ACRE-FEET) SHEET 2 OF 2

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	8051	6183	19607	2303	2513	0	0	8434	0	0	1851	0	48942
	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	3306	514	341	0	0	44	0	0	454	0	4659
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	8051	2803	8298	1599	2172	0	0	349	0	0	1397	0	24669
		0	3880	8003	190	0	0	0	8041	0	0	0	0	20114
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	5092	0	2380	793	1583	0	99	298	889	357	99	0	11590
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	325	0	44	143	337	0	99	0	83	2	0	0	1033
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	4767	0	1132	650	1246	0	0	0	806	355	99	0	9055
		0	0	1204	0	0	0	0	298	0	0	0	0	1502
CALIFORNIA TOTALS	ORDERED BUT NOT DIVERTED	18261	7131	25740	5747	8526	3819	5139	13164	4122	3266	3563	1770	100248
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	1579	446	5602	1803	2149	1620	1757	721	1141	632	1585	976	20011
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	16682	3021	10751	3420	6377	2199	3382	3291	2981	2634	1978	795	57511
		0	4164	9387	424	0	0	0	9152	0	0	0	0	23127

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

CALENDAR YEAR 1981

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1981

V(D)

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY 1/	55370	81731	211991	241042	155617	178542	220798	234825	105522	57209	54519	102834	1700000
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS 2/ 3/	311386	28933	31639	16211	14095	12023	11437	15905	12228	12334	12015	12692	490898

1/ INCLUDES 200,000 ACRE-FEET SCHEDULED UNDER PARAGRAPH (E), ARTICLE 15, OF THE 1944 TREATY WITH MEXICO.

2/ INCLUDES 148,426 ACRE-FEET DELIVERED PURSUANT TO MINUTE 242.

3/ INCLUDES GILA RIVER WATER AND ANTICIPATORY FLOOD CONTROL RELEASES FROM HOOVER DAM DURING THE MONTH OF JANUARY.

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1980

V(D)

REVISION TO THE 1980 REPORT	(ACRE-FEET)												
WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY 1/	55370	108473	204931	225067	116652	163798	218337	248457	93507	62259	60309	142840	1700000
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS 2/ 3/	226616	166816	455777	467035	566619	503156	448733	432043	567497	669507	580364	411035	5495198

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1/ INCLUDES 200,000 ACRE-FEET SCHEDULED UNDER PARAGRAPH (E), ARTICLE 15, OF THE 1944 TREATY WITH MEXICO.
 2/ INCLUDES 154,630 ACRE-FEET DELIVERED PURSUANT TO MINUTE 242.
 3/ INCLUDES PAINTED ROCK FLOOD CONTROL RELEASES AND ANTICIPATORY FLOOD CONTROL RELEASES FROM HOOVER DAM.

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

CALENDAR YEAR 1981

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

V(E)

CALENDAR YEAR 1981

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
GILA RIVER													0
													0
SAN FRANCISCO RIVER													0
													0