

UNITED STATES
DEPARTMENT OF THE INTERIOR
Clark, Secretary

BUREAU OF RECLAMATION
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

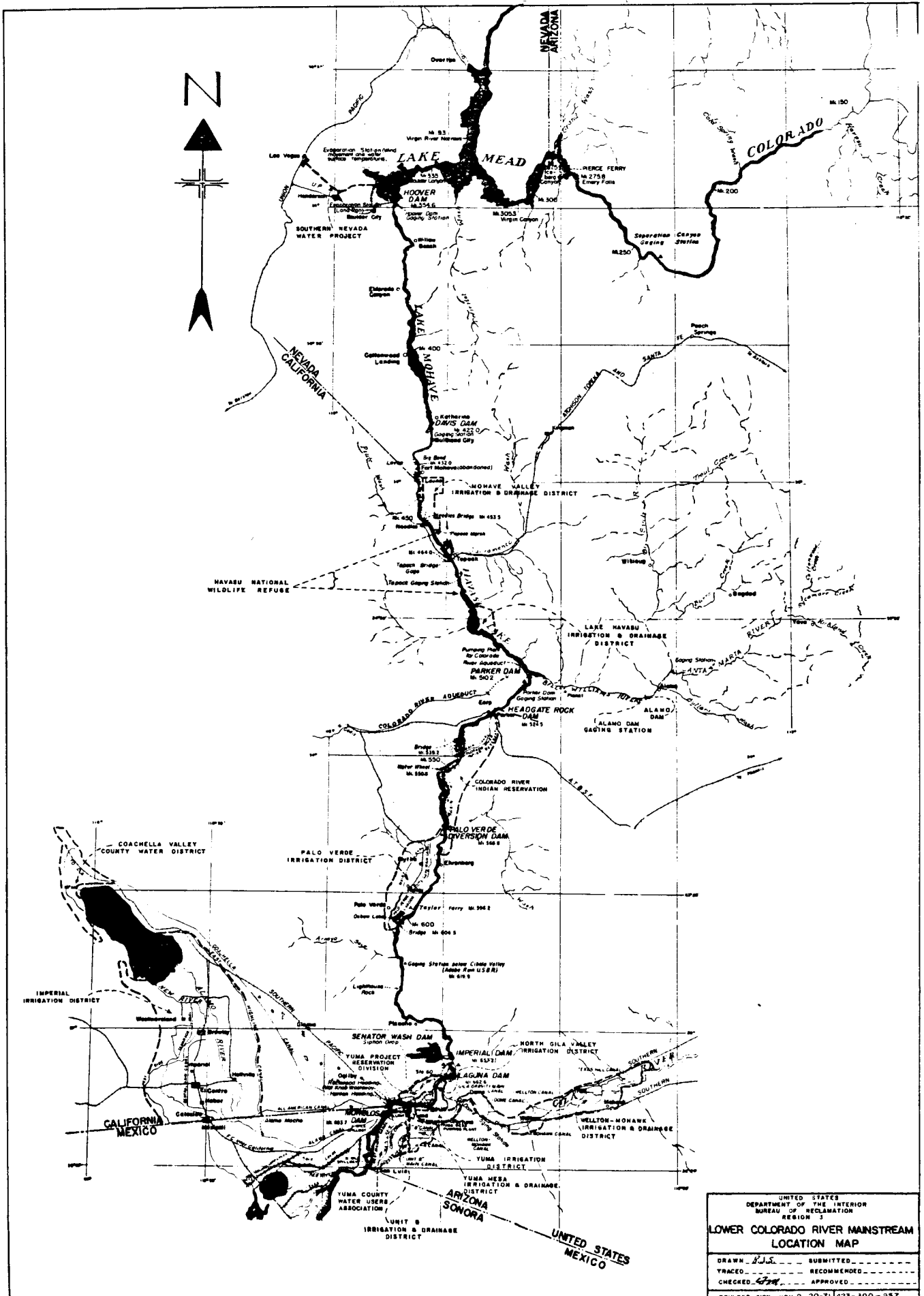
CALENDAR YEAR 1982

Division of Water and Land Operations
Boulder City, Nevada

March 1984

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UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 REGION 3

**LOWER COLORADO RIVER MAINSTREAM
 LOCATION MAP**

DRAWN <i>[Signature]</i>	SUBMITTED
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BOULDER CITY, NEV 9-20-71 423-300-937

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 1982

The following tabulations for calendar year 1982 show final records of releases of water through regulatory structures controlled by the United States. At Hoover, Davis, Parker, Palo Verde, Imperial, and Laguna Dams, the records are furnished by the Geological Survey based on measurements at or below the structures.

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

RELEASE OF WATER THROUGH REGULATORY STRUCTURES
 CONTROLLED BY THE UNITED STATES
 CALENDAR YEAR 1982

V (A)

STRUCTURE	(ACRE-FEET)												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
HOOVER DAM	462900	548600	792200	1042000	843300	635100	735400	764400	393900	392600	379400	463800	7453600
DAVIS DAM	382100	573700	760000	1025000	776100	761100	912200	729400	526500	416500	250000	296400	7409000
PARKER DAM	329700	491700	652800	850700	656400	617700	763200	638400	500700	380200	219300	263900	6366700
HEADGATE ROCK DAM 1/	320500	457900	601200	790800	595300	535100	640400	581900	444800	350000	201200	251300	5770400
PALO VERDE DAM 2/	284600	388200	532800	673700	496600	462400	573700	502100	357600	302000	185200	203700	4962600
IMPERIAL DAM 3/	20880	18750	47230	31340	34280	32020	28180	37710	32990	19400	17070	29660	349510
LAGUNA DAM	25060	20720	46130	31260	33600	31410	27290	40100	32620	18380	19220	33430	359220

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 1982

The following tabulations for calendar year 1982 show final records for 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, the International Boundary and Water Commission, the Bureau of Indian Affairs, the Bureau of Reclamation, the National Park Service, the 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 prorations 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 1982 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 measurement; (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 and orthophotomaps which were taken during May through 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. Also, the return flow to Lake Mead from Las Vegas Wash contains some ground-water originated return flow mixed with Colorado River return flow. 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 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. Studies to determine unmeasured return flows are continuing, and when these quantities are determined in a mutually acceptable manner, such amounts are anticipated to be credited to the affected users and States in making the ultimate annual consumptive use computations. It is anticipated that tabulations for calendar year 1983 will include acceptable determinations of the appropriate Colorado River return flows accruing to Lake Mead from the Las Vegas Wash.

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF ARIZONA

V (B)

WATER USER	(ACRE-FEET)												DEC TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
FINAL RECORDS													SHEET 1 OF 4
LAKE MEAD NATIONAL RECREATION AREA DIVERION FROM LAKE MOHAVE	14	14	18	23	31	33	31	41	24	21	16	13	279
DIVERION RETURN													
CONSUMPTIVE USE													
DAVIS DAM AND GOVERNMENT CAMP DIVERION AT DAVIS DAM	6	5	7	17	22	35	34	29	27	13	7	6	208
DIVERION RETURN													
CONSUMPTIVE USE													
MOHAVE WATER CONSERVATION DISTRICT PUMPED FROM WELLS	4	3	4	4	5	6	7	6	6	5	4	3	57
DIVERION RETURN													
CONSUMPTIVE USE													
MOHAVE VALLEY T. & D. DISTRICT PUMPED FROM WELLS AND DIVERTED FROM INLET CHANNEL TO HAVASU REFUGE	496	948	2533	3252	3899	4380	4206	4953	3093	1800	771	369	30740
DIVERION RETURN													
CONSUMPTIVE USE													
FORT MOHAVE INDIAN RESERVATION 9 PUMPS AND WELLS IN FLOOD PLAIN	732	1497	4424	5714	6869	7679	7294	8867	5250	2865	1080	394	52665
DIVERION RETURN													
CONSUMPTIVE USE													
HAVASU NATIONAL WILDLIFE REFUGE PUMPED FROM WELL INLET-NW NE NW SEC 33 T9N R22W 685RM	1	1	1	1	2	2	2	2	1	2	2	1	18
DIVERION RETURN	1102	3746	4971	3974	2735	6521	7623	3855	2325	1399	234	620	39105
CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
	1103	3747	4972	3975	2737	6523	7625	3857	2326	1401	236	621	39123
LAKE HAVASU IRRIGATION AND DRAINAGE DISTRICT PUMPED FROM WELLS	464	425	483	617	798	836	942	916	898	778	509	383	8049
DIVERION RETURN													
CONSUMPTIVE USE													
GRAHAM WATER UTILITIES INC. PUMPED FROM RIVER	8	7	8	10	12	13	15	14	12	10	8	7	124
DIVERION RETURN													
CONSUMPTIVE USE													

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1962
STATE OF ARIZONA

V (B)

FINAL RECORDS
SHEET 2 OF 4

WATER USER	(ACRE-FEET)												DEC TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
HOLIDAY HARBOR UTILITIES INC. PUMPED FROM RIVER	1	1	1	2	3	3	4	3	3	2	2	1	26
TOWN OF PARKER													
1 HELLI NH NH SEC 7 19N R19W G8SRM	51	54	69	92	109	156	177	114	98	73	52	42	1087
	DIVERISION RETURN CONSUMPTIVE USE												
	DIVERISION RETURN CONSUMPTIVE USE												
COLORADO RIVER INDIAN RESERVATION DIVERISION AT HERGATE ROCK DAM PUMPED FROM 2 HELLS IN PARKER SW NE SE SEC 2 19N R21W G8SRM	9164	33803	51638	59886	63073	82573	92788	56520	55931	30227	18076	12601	566280
4 HELLS IN POSTON NW SEC. 36 T6N R21W G8SRM	0	4	8	13	16	18	15	14	15	5	0	2	110
3 PUMPS NE SW NH SEC 14 T4N R22W G85RM	10	14	15	26	38	23	50	38	38	4	5	3	264
	DIVERISION 2/												
	RETURN CONSUMPTIVE USE												
	930	840	930	900	930	900	930	930	900	930	900	930	10950
	12628	12953	18384	20447	22560	23673	25953	26777	26075	22807	17685	14613	244555
	-2524	21708	34207	40378	41497	59841	67830	30725	30809	8359	1296	-1077	333049
	RETURN CONSUMPTIVE USE												
EHRENBURG IMPROVEMENT ASSN. 1 PUMP SW SEC 3 T3N R22W G8SRM	6	7	8	10	12	15	14	13	10	11	7	6	119
	DIVERISION RETURN CONSUMPTIVE USE												
CIBOLA NATIONAL WILDLIFE REFUGE 3 PUMPS	604	570	800	877	737	1208	1191	934	514	294	416	105	8250
	DIVERISION 10/												
	RETURN CONSUMPTIVE USE												
IMPERIAL NATIONAL WILDLIFE REFUGE 2 HELLS SEC 13 T5S R22W G8SRM	8	9	10	17	15	16	15	16	12	11	10	5	144
	DIVERISION 10/												
	RETURN CONSUMPTIVE USE												
YUMA PROVING GROUND DIVERISION AT IMPERIAL DAM	0	1	0	0	2	0	0	0	5	8	0	0	16
	DIVERISION RETURN CONSUMPTIVE USE												

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF ARIZONA

V (B)

FINAL RECORDS (ACRE-FEET) SHEET 3 OF 4

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
NORTH GILA VALLEY IRRIGATION DISTRICT													
DIVERSION AT IMPERIAL DAM	2702	3748	3149	4904	5428	5368	4750	4568	3545	4100	3607	1771	47640
RETURN	461	528	540	617	764	707	901	913	892	1225	974	715	9237
CONSUMPTIVE USE	2241	3220	2609	4287	4664	4661	3849	3655	2653	2875	2633	1056	38403
HARREN ACT CONTRACTORS													
DIVERSION AT IMPERIAL DAM	8	30	70	35	46	21	122	110	42	152	101	34	771
RETURN													
CONSUMPTIVE USE													
MELLON-MOHAWK I. & D. DISTRICT													
DIVERSION AT IMPERIAL DAM	15627	27293	30045	43362	44698	49028	54392	48059	38710	22550	15436	10773	398973
RETURN 3/	12552	11415	12220	12302	13295	11832	11875	12335	12540	12855	13206	12589	149056
CONSUMPTIVE USE	3075	15878	17825	31060	31403	37196	42517	35724	26170	9655	2230	-1816	250917
YUMA IRRIGATION DISTRICT													
DIVERSION AT IMPERIAL DAM	2680	4943	3582	4940	6174	5383	6887	5735	5900	5479	4478	2099	58280
RETURN	1031	770	782	1115	1261	1311	1470	1728	934	636	533	682	12253
CONSUMPTIVE USE													
YUMA MESA I. & D. DISTRICT													
DIVERSION AT IMPERIAL DAM	8503	11332	10642	18922	23770	24825	28707	24618	20782	15565	9680	7405	204751
RETURN													
CONSUMPTIVE USE													
UNIT "B" I. & D. DISTRICT													
DIVERSION AT IMPERIAL DAM	1314	1448	1891	2507	3443	3902	4043	3805	3022	2487	1741	1011	30614
RETURN													
CONSUMPTIVE USE													
RETURN FROM SOUTH GILA VALLEY													
RETURN 4/	5971	4109	5471	6736	3701	4701	5227	5042	3152	2972	2560	3575	53217
CITY OF YUMA													
DIVERSION AT IMPERIAL DAM	874	909	971	1236	1434	1581	1752	1513	1420	1294	1060	852	14896
RETURN	566	517	649	543	503	504	510	529	587	595	584	586	6673
CONSUMPTIVE USE	308	392	322	693	931	1077	1242	984	833	699	476	266	8223

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF ARIZONA

V(B)

FINAL RECORDS (ACRE-FEET) SHEET 4 OF 4

MATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
YUMA COUNTY WATER USERS ASSOCIATION													
DIVERSION AT IMPERIAL DAM	17308	22446	21956	29547	23569	28611	36602	30435	25216	27014	12364	6144	281212
PUMPED FROM WELLS	881	434	544	560	385	1113	1062	791	870	1026	850	897	9813
RETURN	6679	6773	7496	7263	7225	6327	6787	7211	7134	8146	7265	6520	84826
CONSUMPTIVE USE	11310	16107	15004	22844	17329	23397	30877	24015	18952	19894	5949	521	206199
COCOPAH INDIAN RESERVATION													
DIVERSION AT IMPERIAL DAM	0	225	17	129	94	139	230	73	38	0	0	0	945
PUMPED FROM WELLS	0	4	0	2	4	5	7	2	1	0	0	0	25
CONSUMPTIVE USE													
PROTECTIVE AND REGULATORY PUMPING UNIT													
RETURN 8/	2761	2257	2132	2681	2481	1944	2324	1778	2201	1583	1011	413	23566
YUMA MESA OUTLET DRAIN													
RETURN 8/	2634	2725	2630	2515	2146	1938	2200	1924	2420	2438	1985	1747	27302
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN													
DIVERSION 9/	3282	3777	4815	6356	6331	8096	8001	7362	4189	3223	2634	1086	59152
RETURN	67611	119308	144392	189050	196545	233800	263363	206104	173831	121984	74583	48245	1838816
CONSUMPTIVE USE	44252	41277	49522	53104	52675	51626	55777	56509	55001	52661	45270	40758	538432
DAVIS DAM TO INTERNATIONAL BOUNDARY	23359	78031	94870	135946	143870	182174	207586	149595	118830	69323	28313	7487	1240384
ARIZONA TOTALS													

NOTE: THE TERM 'CONSUMPTIVE USE' IN THIS TABULATION MEANS MEASURED DIVERSTIONS 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 MELLTON-MOHAWK DRAINAGE AS NO METHODOLOGY HAS YET BEEN DEVELOPED THEREFOR. SUCH AN EFFORT WILL BE MADE IN FUTURE YEARS, AS DEEMED APPROPRIATE SINCE MELLTON-MOHAWK IS NOT ENTITLED TO RETURN CREDIT FOR GILA RIVER WATER. THIS FIGURE INCLUDES 149,688 ACRE-FEET OF MELLTON-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	83.7 LATERAL	4
DESERT LAWN MEMORIAL	83.7 LATERAL	180
SOUTHERN PACIFIC COMPANY	83.7 LATERAL	14
YUMA MESA FRUIT GROWERS ASSOCIATION	AFTER BAY OF YUMA MESA PUMPING PLANT	46
COUNTY OF YUMA, ARIZONA	83.7 W. LATERAL	12
MARINE CORPS AIR STATION, DEPARTMENT OF THE NAVY	83.8 LATERAL	12
TOTAL	B CANAL AND B-5.5 W. LATERAL	2131
		2399
6/ INCLUDES DELIVERIES TO THE FOLLOWING WATER USERS WHO HAVE CONTRACTS WITH THE UNITED STATES.	B MAIN CANAL	932
UNIVERSITY OF ARIZONA	B-8 LATERAL	66
CAMILLE ALEC, JR.		
7/ INCLUDES DELIVERIES TO THE FOLLOWING WATER USERS WHO HAVE CONTRACTS WITH THE UNITED STATES.	YUMA MAIN CANAL	241
YUMA UNION HIGH SCHOOL DISTRICT		469
CITY OF YUMA - SMUCKER PARK		
8/ RETURNS MAY 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 U. S. G. S. 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 1982
STATE OF ARIZONA

SUPPLEMENTAL SHEETS		(ACRE-FEET) SHEET 1 OF 4													
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/	
CLAYTON, RALPH 2 PUMPS SH SE SW SEC 34 T4N R22W G&SRM 1 WELL SH SW SW SEC 34 T4N R22W G&SRM		94	226	425	369	399	581	620	553	765	649	126	109	4916	2/
ARAKELIAN FARMS 1 PUMP SE NW SE SEC 16 T3N R22W G&SRM														2640	
CIBOLA VALLEY IRRIGATION DISTRICT 4 PUMPS SEC'S 20 & 21 T1N R23W G&SRM		1549	1463	2053	2250	1892	3099	3055	2398	1320	755	1067	268	21169	2/
BLM PERMITTEES														86	
SUBTOTALS-DAVIS DAM TO IMPERIAL DAM		1643	1689	2478	2619	2291	3745	3720	3094	2112	1404	1193	377	26365	
PRATT, LOREN 1 WELL SH NW NE SEC 14 T7S R22W G&SRM 1 PUMP SE SW NW SEC 14 T7S R22W G&SRM		169	174	256	270	236	387	384	319	225	145	123	38	2726	
DULIN, ARLIN 1 WELL SE SW SW SEC 8 T8S R22W G&SRM 1 WELL SE SW SW SEC 7 T8S R22W G&SRM		0	130	193	202	352	258	12	4	6	25	189	5	1376	2/
		0	105	0	104	28	83	111	172	123	66	0	0	792	2/

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF ARIZONA

V(B)

SUPPLEMENTAL SHEETS
(ACRE-FEET) SHEET 2 OF 4

WATER USER	SUPPLEMENTAL SHEETS												DEC TOTALS 1/	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
STURGES, STEVE 8 WELLS SEC 18 T8S R 21W & SEC. 'S 13 & 14 T8S R22W G&SRM	703	742	831	1535	1458	1688	1744	1735	588	651	487	309	12471	2/
YOHELMAN, R 1 WELL NW SW SW SEC 17 T8S R22W G&SRM													720	
AUZA, PETE 1 WELL SE NW SW SEC 18 T8S R22W G&SRM	0	0	0	0	139	55	9	43	6	0	0	0	252	2/
1 PUMP SE SE NE SEC 24 T8S R23W G&SRM													1590	
1 WELL SE SE SE SEC 18 T8S R22W G&SRM													1590	
OTT, JUDD T. 1 WELL NW NE NW SEC 30 T8S R22W G&SRM	57	30	32	60	82	102	110	90	71	58	45	20	757	2/
1 WELL SE SW SW SEC 19 T8S R22W G&SRM	29	28	28	40	50	62	80	94	57	38	53	65	624	2/
CAMERON BROS. 2 WELLS SE NE SW SEC 24 T8S R22W G&SRM	98	124	122	158	196	207	188	256	185	96	3	9	1642	2/
HARP, R. 1 WELL SE NE NE SEC 13 T8S R23W G&SRM													1458	
YUKASOVICH 1 WELL SE NE SW SEC 24 T8S R22W G&SRM	0	0	0	1	0	0	1	0	0	0	0	0	2	2/
1 WELL SW SW SE SEC 24 T8S R22W G&SRM	44	56	32	113	47	0	61	0	37	66	53	15	524	2/

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF ARIZONA

V(B)

(ACRE-FEET) SHEET 3 OF 4

SUPPLEMENTAL SHEETS

WATER USER	DIVERSION	(ACRE-FEET)												DEC TOTALS 1/	
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
SUNKIST OF YUMA 1 WELL NE SE SH SEC 23 T8S R23W G8SRM	DIVERSION	9	12	7	7	25	38	44	50	24	8	15	7	246	2/
STANFORD, R. L. 1 WELL SF SE SE SEC 22 T8S R22H G8SRM	DIVERSION	0	0	29	0	62	42	96	42	41	57	0	0	369	2/
YUCCA POWERPLANT 1 WELL NE NH SH SEC 36 T16S R21E SBM	DIVERSION													592	
NUMNALEY (G. RUSSELL) 1 WELL NE SE SH SEC 28 T16S R22E SBM	DIVERSION	3	1	61	0	1	8	44	47	50	9	1	1	226	2/
POWER, BILL 1 PUMP SW SH NE SEC 30 T16S R22E SBM	DIVERSION													1980	
POWER, R. E. (P. POWER) 1 PUMP SW SH NE SEC 30 T16S R22E SBM	DIVERSION													1920	
HALL, ANSEL 1 PUMP NW SH NH SEC 36 T16S R21E SBM	DIVERSION													480	

V (B)

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF ARIZONA

SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 4 OF 4

WATER USER	(ACRE-FEET) SHEET 4 OF 4												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
ARIZONA SUBTOTALS	943	1228	1335	2220	2440	2543	2500	2533	1188	1074	846	431	19281
IMPERIAL DAM TO INTERNATIONAL BOUNDARY	527	686	746	1247	1364	1421	1397	1416	664	600	472	240	10780
ARIZONA TOTALS	3282	3777	4815	6356	6331	8096	8001	7362	4189	3223	2634	1086	59152

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.

DIVERSTIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF CALIFORNIA

V (B)

WATER USER	(ACRE-FEET) SHEET 1 OF 2												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
FINAL RECORDS													
FORT MOHAVE INDIAN RESERVATION PUMPED FROM RIVER AND WELLS	289	590	1744	2252	2707	3027	2875	3496	2070	1129	425	156	20760
DIVERSION 7/ RETURN													
CONSUMPTIVE USE													
CITY OF NEEDLES 4 WELLS NH SH SEC 29 19N R23E S8M	141	121	158	229	331	426	474	415	316	233	168	102	3114
DIVERSION													
RETURN	50	40	44	50	66	80	113	117	79	74	64	49	826
CONSUMPTIVE USE	91	81	114	179	265	346	361	298	237	159	104	53	2288
SAN BERNARDINO COUNTY 1 WELL	1	1	1	1	1	2	2	2	1	1	1	1	15
DIVERSION													
RETURN													
CONSUMPTIVE USE													
METROPOLITAN WATER DISTRICT DIVERSTION FROM LAKE HAVASU	36416	38107	58148	67100	101709	97088	92745	87333	33222	34538	31000	39130	716536
DIVERSION													
RETURN 5/	327	294	303	284	266	265	282	292	297	314	320	341	3585
CONSUMPTIVE USE	36089	37813	57845	66816	101443	96823	92463	87041	32925	34224	30680	38789	712951
PARKER DAM AND GOVERNMENT CAMP DIVERSTION AT PARKER DAM	7	8	8	19	23	36	40	30	28	15	7	7	228
DIVERSION 6/ RETURN													
CONSUMPTIVE USE													
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS 1 WELL-BIG RIVER	110	294	192	356	485	545	638	128	266	83	203	107	3407
DIVERSION 4/ RETURN													
CONSUMPTIVE USE	124	120	144	202	275	307	280	229	231	165	153	109	2339
PALO VERDE IRRIGATION DISTRICT DIVERSTION FROM PALO VERDE DAM	37468	61907	76878	108279	100147	106871	122025	107030	96299	56353	37798	30919	941974
DIVERSION													
RETURN	28800	29408	37539	42409	45738	43112	44569	50535	46478	43462	36456	36508	465074
CONSUMPTIVE USE	8668	32499	39279	65870	54409	63759	77456	56495	49821	12891	1342	-5589	456900

DIVERSTIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF CALIFORNIA

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(ACRE-FEET) SHEET 2 OF 2

FINAL RECORDS

WATER USER	CALENDAR YEAR 1982												TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA PROJECT RES. DIV. INDIAN UNIT DIVERSTION AT IMPERIAL DAM	1640	3699	3292	4796	4632	3616	6126	4623	1750	3670	1557	604	40005
DIVERSTION RETURN													
CONSUMPTIVE USE													
YUMA PROJECT RES. DIV. BARD UNIT DIVERSTION AT IMPERIAL DAM	2610	4258	3806	5333	3661	6529	6600	5315	3740	2918	1906	1135	47811
DIVERSTION RETURN													
CONSUMPTIVE USE													
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS	2331	1949	2627	2561	2996	2687	2488	2327	2410	2464	1920	1371	28131
DIVERSTION RETURN													
CONSUMPTIVE USE													
IMPERIAL IRRIGATION DISTRICT DIVERSTION AT IMPERIAL DAM	161740	179706	226654	341663	272236	226518	274422	262597	207590	220670	143397	78385	2595578
DIVERSTION RETURN													
CONSUMPTIVE USE													
COACHELLA VALLEY WATER DISTRICT DIVERSTION AT IMPERIAL DAM	20675	26151	30299	40635	50947	50334	52506	50354	35332	28779	19572	19284	424868
DIVERSTION RETURN													
CONSUMPTIVE USE													
CITY OF HINTERHAVEN 1 WELL SE NE SEC 27 T16S R22E S8M	6	5	7	10	11	15	14	14	12	9	8	8	119
DIVERSTION RETURN													
CONSUMPTIVE USE													
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	919	719	1362	1970	3048	2213	3588	2912	1806	1089	794	241	20661
DIVERSTION RETURN													
CONSUMPTIVE USE													
CALIFORNIA TOTALS	262146	315686	402693	572845	540213	497527	562335	524478	382663	340652	236999	170188	4817415
DIVERSTION RETURN	31508	31691	40573	45304	49066	46144	47452	53271	49264	46314	38760	38269	517616
CONSUMPTIVE USE	230638	283995	362120	527541	491147	451383	514883	471207	333399	303338	198229	131919	4299799

- 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 EXCLUDES 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 U. S. G. S. 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 1982
STATE OF CALIFORNIA

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SUPPLEMENTAL SHEETS		(ACRE-FEET) SHEET 1 OF 4														
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/		
WATER USER																
SOTO BROTHERS																
1 WELL																
SW NE SE SEC 36 T11N R22E																
SBM																1512
DIVERSION																
DEASON, RICHARD (TRI-STATE)																
1 WELL																
NW NE NW SEC 31 T11N R22E																1200
SBM																
DIVERSION																720
1 WELL																
SE NE SW SEC 36 T11N R21E																
SBM																
DIVERSION																108
LYLE, R. L.																
1 WELL																
SE NE NW SEC 16 T11S R24E																
SBM																
DIVERSION																
PASCAL AND LUDWIG ENGINEERING																
1 PUMP																
NE NW NE SEC 31 T3S R24E																
SBM																
DIVERSION		0	0	0	0	0	0	0	0	0	0	0	0	0	0	146 2/
BLM PERMITTEES																
DIVERSION																205
SUBTOTALS-DAVIS DAM TO IMPERIAL DAM																
DIVERSION 3/		0	0	0	0	0	0	0	0	0	0	0	0	0	0	146
DIVERSION 5/		60	115	308	386	475	533	512	608	382	219	93	36	47	44	3745
DIVERSION																
COLE (R. LAND)																
1 WELL																
SW SE SE SEC 35 T15S R23E																
SBM																636
DIVERSION																
BERRYMAN																
1 WELL																
NW NW NW SEC 2 T16S R23E																
SBM																
DIVERSION		6	30	33	24	32	0	28	0	7	6	0	0	1	1	167 2/

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF CALIFORNIA

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SUPPLEMENTAL SHEETS

(ACRE-FEET) SHEET 2 OF 4

WATER USER	(ACRE-FEET) SHEET 2 OF 4												1992	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		TOTALS 1/
DIVERION														
DUKE (P. POWER) 1 PUMP NW SW SW SEC 14 T16S R23E SBN	18	14	22	63	36	65	88	96	60	32	32	6	532	2/
MITCHELL, H. (BERRYMAN) 1 WELL SE SE NW SEC 22 T16S R23E SBN	0	0	84	174	120	157	240	285	92	0	0	2	1154	2/
Perez, F. (SLADE) 1 WELL NE SE SW SEC 6 T8S R22H G&SRH	0	0	84	174	120	157	240	285	92	0	0	2	1154	2/
BARRETT (R. HARP) 1 WELL SE SW SW SEC 6 T8S R22H G&SRH													858	
SPENCER, M. 1 WELL SW NE SW SEC 9 T16S R23E G&SRH	0	0	193	89	120	0	0	0	0	0	0	0	402	2/
MARTIN, M. (A. DEES) 1 PUMP NE NW NW SEC 1 T8S R23H G&SRH	0	0	0	0	0	0	153	0	0	0	0	0	153	2/
1 PUMP SE NE NW SEC 1 T8S R23H G&SRH	0	0	0	0	24	48	48	0	0	0	0	0	120	2/
SCHAFFER, F. (R. HARP) 1 WELL SW SE NE SEC 2 T8S R23H G&SRH	0	0	0	0	76	0	73	35	15	4	0	0	203	2/

DIVERSTIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF CALIFORNIA

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(ACRE-FEET) SHEET 3 OF 4

SUPPLEMENTAL SHEETS

WATER USER		MONTHS												DEC TOTALS 1/ DEC TOTALS 2/			
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV					
COLEY, M. DIVERSTION 1 WELL SE SE SW SEC 18 T16S R232E SBM		12	7	13	10	5	0	0	0	0	0	0	0	13	0	50	2/
COLUIN, C. F. DIVERSTION 1 WELL NE SE SE SEC 2 T8S R23H G&SRM		25	18	22	8	84	1	0	0	0	0	0	0	0	0	158	2/
WILSON (R. HARP) DIVERSTION 1 WELL NE NW NW SEC 12 T8S R23H G&SRM		11	16	6	8	82	11	44	80	30	41	22	19	370	2/		
EASTERDAY, ANNE DIVERSTION 1 WELL SW SW SE SEC 1 T8S R23H G&SRM		0	0	0	0	141	48	95	128	2	0	0	0	414	2/		
DEES, JOHN DIVERSTION 1 WELL SE NE SE SEC 1 T8S R23H G&SRM		74	61	87	163	265	282	320	320	200	191	124	24	2111	2/		
EVANS, E. (R. HARP) DIVERSTION 1 WELL SE NE SEC 12 T8S R23H G&SRM		0	0	0	0	164	0	0	190	0	0	0	0	354	2/		
HARP, R. DIVERSTION 1 WELL SW NE SE SEC 12 T8S R23H G&SRM														862			

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF CALIFORNIA

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WATER USER	SUPPLEMENTAL SHEETS												TOTALS 1/	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
(ACRE-FEET) SHEET 4 OF 4														
EASTERDAY, KENNETH 1 WELL NW SE SW SEC 12 T8S R23H G&SRM	67	50	60	184	128	184	258	381	176	97	108	53	1746	2/
SMITH, F. (P. POWER) 1 WELL NE SW SE SEC 11 T8S R23H G&SRM	423	248	232	433	583	413	786	0	397	237	191	41	3984	2/
MUSGRAVE (BARKLEY COMPANY) 1 WELL NE SE SW SEC 19 T16S R23E SBM	0	3	28	2	7	12	32	33	21	1	2	0	141	2/
HUTCHESON (SLADE) 1 PUMP SE SE SE SEC 27 T16S R22E SBM	0	0	0	0	0	0	63	115	0	0	0	0	178	2/
SLADE, W. 1 PUMP SW NE SE SEC 29 T16S R22E SBM	0	0	0	2	36	22	47	41	7	0	0	0	155	2/
CALIFORNIA SUBTOTALS IMPERIAL DAM TO INTERNATIONAL BOUNDARY	636	447	780	1160	1903	1243	2275	1704	1007	609	492	146	12402	
	223	157	274	414	670	437	801	600	354	214	173	51	4368	
CALIFORNIA TOTALS	919	719	1362	1970	3048	2213	3588	2912	1806	1089	794	241	20661	

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.
 5/ DISTRIBUTED ACCORDING TO MOHAVE VALLEY IRRIGATION DISTRICT AGRICULTURAL WATER.

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

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FINAL RECORDS (ACRE-FEET) SHEET 1 OF 2

WATER USER	MONTHS												DEC TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
REVISION FORT MOHAVE INDIAN RESERVATION PUMPED FROM WELLS CONSUMPTIVE USE	267	332	716	2133	1691	1972	2883	3109	2789	1591	1412	233	19128
CITY OF NEEDLES 4 WELLS NH SH SEC 29 19N R23E S8M DIVERSION RETURN CONSUMPTIVE USE	120	135	139	243	312	416	482	421	300	215	126	153	3092
SAN BERNARDINO COUNTY 1 WELL DIVERSION RETURN CONSUMPTIVE USE	46	43	48	60	70	80	94	80	83	63	55	19	741
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU 62076 CONSUMPTIVE USE	74	92	91	183	242	336	388	341	217	182	71	134	2351
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM DIVERSION 6/ RETURN CONSUMPTIVE USE	1	1	1	1	1	2	2	2	1	1	1	1	15
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS 1 WELL BIG RIVER DIVERSION RETURN CONSUMPTIVE USE	62456	46612	57336	78616	97515	84337	93356	73755	78948	66651	48646	42000	830228
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM DIVERSION 4/ RETURN CONSUMPTIVE USE	380	337	371	326	383	271	276	288	299	319	312	330	3892
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM DIVERSION 6/ RETURN CONSUMPTIVE USE	62076	46275	56965	78290	97132	84066	93080	73467	78649	66332	48334	41670	826336
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS 1 WELL BIG RIVER DIVERSION 4/ RETURN CONSUMPTIVE USE	8	10	13	16	21	38	36	55	31	-21	16	15	280
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM DIVERSION 4/ RETURN CONSUMPTIVE USE	757	264	480	1435	2139	1985	1519	839	1982	1249	831	566	14046
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM DIVERSION 4/ RETURN CONSUMPTIVE USE	44	47	77	101	125	137	191	196	172	148	95	69	1402
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM DIVERSION 4/ RETURN CONSUMPTIVE USE	41360	67941	72301	103935	105066	120855	130197	126488	102666	55524	41094	40126	1007553
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM DIVERSION 4/ RETURN CONSUMPTIVE USE	32294	32277	37128	40085	45662	43808	45113	45728	46683	45682	39369	35369	491198
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM DIVERSION 4/ RETURN CONSUMPTIVE USE	9066	35664	35173	63850	59404	77047	85084	80760	53981	9842	1725	4757	51635

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

WATER USER	SHEET 2 OF 2												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
YUMA PROJECT RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	1821	3437	5289	4391	3058	6027	6948	5932	2953	1681	704	1526	43767
YUMA PROJECT RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	2217	3646	3366	3976	4758	7135	8530	6198	3124	2370	2816	2604	50740
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS	2439	2264	3072	2877	3039	3213	3025	3315	2966	2825	2623	2905	34563
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	114266	195563	267408	349322	289034	275583	327183	299999	263014	212895	146807	131215	2872289
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	22537	26851	35210	47570	46238	48081	53683	54791	45762	29924	20450	21163	452260
CITY OF WINTERHAVEN 1 WELL SE SE NE SEC 27 T16S R22E S8M	8	8	9	11	13	15	16	16	14	11	10	9	140
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	429	918	1401	2146	2448	2651	4609	4141	2892	1203	475	611	23924
CALIFORNIA TOTALS	246291	345765	443746	593896	552419	549234	629635	575042	504648	373514	263483	240291	5318664
	35159	34921	40619	43348	49154	47372	48508	49411	52031	48889	42359	38623	530394
	211132	310844	403127	550548	503265	501862	581127	526531	452617	324625	221124	201668	4788470

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF NEVADA

(ACRE-FEET) SHEET 2 OF 3

FINAL RECORDS

WATER USER	(ACRE-FEET)												TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CITY OF NORTH LAS VEGAS DIVERION AT SADDLE ISLAND, LAKE MEAD RETURN CONSUMPTIVE USE	239	246	501	695	1028	1253	1263	1200	861	663	413	156	8518
NELLIS AIR FORCE BASE DIVERION AT SADDLE ISLAND, LAKE MEAD RETURN CONSUMPTIVE USE	105	136	140	175	253	276	267	253	223	158	70	0	2056
SOUTHERN CALIFORNIA EDISON COMPANY PUMPED FROM SEC 24 T32S R66E MDR&M RETURN CONSUMPTIVE USE	1425	1375	1829	1115	1496	868	1606	1816	1608	1393	1428	1335	17294
RAMELLI, HELEN 1 PUMP SEC 13 T32S R66E MDB&M RETURN CONSUMPTIVE USE													2
WIEBKE, ARMIN T. 1 PUMP SEC 33 T32S R66E MDR&M RETURN CONSUMPTIVE USE													8
PORTENIER, WARREN E. 1 PUMP SEC 33 T32S R66E MDR&M RETURN CONSUMPTIVE USE													42
MELLES, JOHN C. 1 PUMP SEC 33 T32S R66E MDR&M RETURN CONSUMPTIVE USE													8
KNIGHT, JOHN B. 1 PUMP SEC 33 T32S R66E MDR&M RETURN CONSUMPTIVE USE													5
BOY SCOUTS OF AMERICA 1 PUMP SEC 5 T33S R66E MDR&M RETURN CONSUMPTIVE USE													8

DIVERIONS FROM MAINSTREAM AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1982
STATE OF NEVADA

V (B)

(ACRE-FEET) SHEET 3 OF 3

FINAL RECORDS

WATER USER	(ACRE-FEET)												TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
IAS VEGAS WASH RETURNS	4265	4223	4746	4210	4202	3925	4015	4007	4003	4794	4650	4994	52034
RETURN 6/													
NEVADA TOTALS	10388	9601	11933	12729	15229	15573	17032	16926	14776	13162	11164	10187	158773 5/
DIVERSION	4640	4563	5122	4568	4557	4274	4363	4386	4380	5183	5034	5377	56447
RETURN	5748	5038	6811	8161	10672	11299	12669	12540	10396	7979	6130	4810	102326 5/
CONSUMPTIVE USE													

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.

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 1982

The following tabulations for calendar year 1982 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 for Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any "water ordered but not diverted" would be retained for future use and would have no significant effect on scheduling of daily operations of the reservoir.

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

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1982
STATE OF ARIZONA

(ACRE-FEET) SHEET 1 OF 3

WATER USER	(ACRE-FEET) SHEET 1 OF 3												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	393	3505	1890	2364	1821	904	1271	2434	674	623	1067	409	17355
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	20	159	296	371	859	440	561	161	56	206	105	216	3450
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	373	3346	1568	1993	962	464	710	2192	618	417	962	187	13792
YUMA PROVING GROUND U.S. ARMY DIVERSION AT IMPERIAL DAM 1/	0	0	26	0	0	0	0	81	0	0	0	6	113
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN 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	695	635	1232	450	611	904	986	660	478	444	1184	1057	9337
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	18	248	143	240	347	597	575	200	266	54	123	60	2871
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	678	387	1008	210	264	307	375	442	206	390	1061	678	5006
HARRIS ACT CONTRACTORS GILA PROJECT DISTRICTS DIVERSION AT IMPERIAL DAM 1/	0	0	81	0	0	0	36	18	6	0	0	319	460
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
MELLTON-MOHAWK I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	8356	1615	7303	2523	2725	4905	6214	11524	4548	7297	5693	5915	66618
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	1012	446	200	355	736	355	1587	1000	831	829	780	315	8446
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	7344	1169	6343	2168	1989	4550	4347	8902	3612	6468	4913	3718	55523

RELEASE 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 1982
STATE OF ARIZONA

WATER USER	(ACRE- FEET) SHEET 2 OF 3												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	780	553	930	514	454	532	238	789	470	345	444	783	6832
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	89	204	143	284	200	143	113	103	85	85	93	16	1558
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	691	349	694	230	254	389	125	601	371	260	351	460	4775
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	5500	3334	3543	1674	1799	1404	875	3533	2583	4348	2876	3574	35043
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	206	1051	422	825	627	292	246	256	633	476	325	351	5710
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	5294	2283	2770	849	1172	1112	601	2634	1831	3872	2551	2289	27258
UNIT #B# I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	173	135	591	177	238	202	373	774	762	369	175	381	4350
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	2	28	18	18	77	42	143	137	333	34	10	48	890
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	171	107	502	159	161	160	230	474	379	335	165	329	3172
CITY OF YUMA DIVERSION AT IMPERIAL DAM	81	0	113	0	0	15	44	214	247	192	102	56	1064
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	14	0	27	0	0	2	22	32	124	27	8	17	273
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	67	0	78	0	0	13	20	174	117	165	94	21	749
YUMA COUNTY WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	1607	1624	4149	2141	3264	2186	2793	3665	946	1841	4176	5988	34380
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	274	710	990	1604	1594	263	1363	548	476	251	325	1861	10259
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1333	914	2850	537	1670	1923	1272	2978	448	1590	3851	2227	21593
	0	0	309	0	0	0	158	139	22	0	0	1900	2528

V (C)

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
BUT NOT DIVERTED BY PARTY ORDERING SAME
AND
CALENDAR YEAR 1982
STATE OF ARIZONA

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

WATER USER	(ACRE-FEET) SHEET 3 OF 3												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
COCOPAH INDIAN RESERVATION DIVERSION AT IMPERIAL DAM	0	14	3	7	11	9	15	7	1	0	0	0	67
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	0	6	1	5	5	1	7	1	1	0	0	0	27
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	8	2	2	6	8	7	6	0	0	0	0	39
ARIZONA TOTALS	17586	11415	19754	9850	10923	11061	12809	23600	10709	15459	15717	18163	177046
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	1635	2852	2240	3702	4445	2135	4617	2438	2805	1962	1768	2884	33484
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	15951	8563	15815	6148	6478	8926	7687	18403	7582	13497	13948	9909	132907
ARIZONA TOTALS	0	0	1699	0	0	0	505	2759	322	0	0	5370	10655

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

RELEASE 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 1982
STATE OF CALIFORNIA

(ACRE-FEET) SHEET 1 OF 2

WATER USER	(ACRE-FEET)												TOTALS		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
METROPOLITAN WATER DISTRICT DIVERSION AT LAKE HAVASU	0	0	0	0	5491	5002	2735	0	0	0	0	0	0	0	13228
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	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	0	0
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	5491	5002	2735	0	0	0	0	0	0	0	13228
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	549	569	1037	839	524	1113	770	3029	2842	1716	2912	2444	2444	18344	
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIVERTED BY OTHERS	101	73	466	274	101	228	335	1059	732	823	1103	1398	1398	6693	
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	448	496	545	565	423	885	435	1918	2035	893	1809	669	669	11121	
YUMA PROJECT RESV. DIVISION BARO UNIT DIVERSION AT IMPERIAL DAM	981	439	1196	335	729	495	277	1493	1340	668	2026	2222	2222	12201	
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIVERTED BY OTHERS	322	320	197	287	380	98	1	190	714	221	554	1066	1066	4350	
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	659	119	909	48	349	397	243	1144	617	447	1472	753	753	7157	
YUMA PROJECT RESV. DIVISION INDIAN UNIT DIVERSION AT IMPERIAL DAM	659	432	1164	331	580	296	274	1395	663	931	1556	1094	1094	9375	
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIVERTED BY OTHERS	216	315	192	284	302	59	1	177	353	307	426	525	525	3157	
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	443	117	885	47	278	237	241	1070	305	624	1130	371	371	5748	
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	2513	2914	20023	718	0	595	6313	5268	8116	0	1190	10062	10062	57712	
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
DIVERTED BY OTHERS	141	758	661	73	0	0	0	131	133	0	0	28	28	1925	
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2372	2156	16494	645	0	595	5016	3487	6850	0	1190	2405	2405	41210	
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	0	0	2868	0	0	0	1297	1850	1133	0	0	7629	7629	14577	
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	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	0	
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	2868	0	0	0	1297	1850	1133	0	0	7629	7629	14577	

RELEASE 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 1982
STATE OF CALIFORNIA

WATER USER	(ACRE- FEET) SHEET 2 OF 2												
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	0	714	2182	0	0	595	198	1190	595	198	992	793	7457
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	0	333	367	0	0	403	30	75	204	198	149	242	2001
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	381	1494	0	0	192	168	946	391	0	843	408	4823
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	321	0	0	0	0	169	0	0	0	143	633
CALIFORNIA TOTALS	4702	5068	25602	2223	7324	8096	10567	12375	13556	3513	8676	16615	118317
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	780	1799	1883	918	783	788	367	1632	2136	1549	2232	3259	18126
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	3922	3269	20327	1305	6541	7308	8838	8565	10198	1964	6444	4606	83287
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	3392	0	0	0	1362	2178	1222	0	0	8750	16904

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 1982

V (D)

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1982

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY	126192	121653	217827	230990	114202	105699	133612	140714	89308	56398	55657	107548	1500000
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS 1/	12884	11607	16901	12630	20257	19379	13711	17724	13654	13859	13538	32872	199016

1/ INCLUDES 149,698 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

CALENDAR YEAR 1982