5-200

COMPILATION OF RECORDS IN

ACCORDANCE WITH ARTICLE V OF THE

DECREE OF THE SUPREME COURT OF

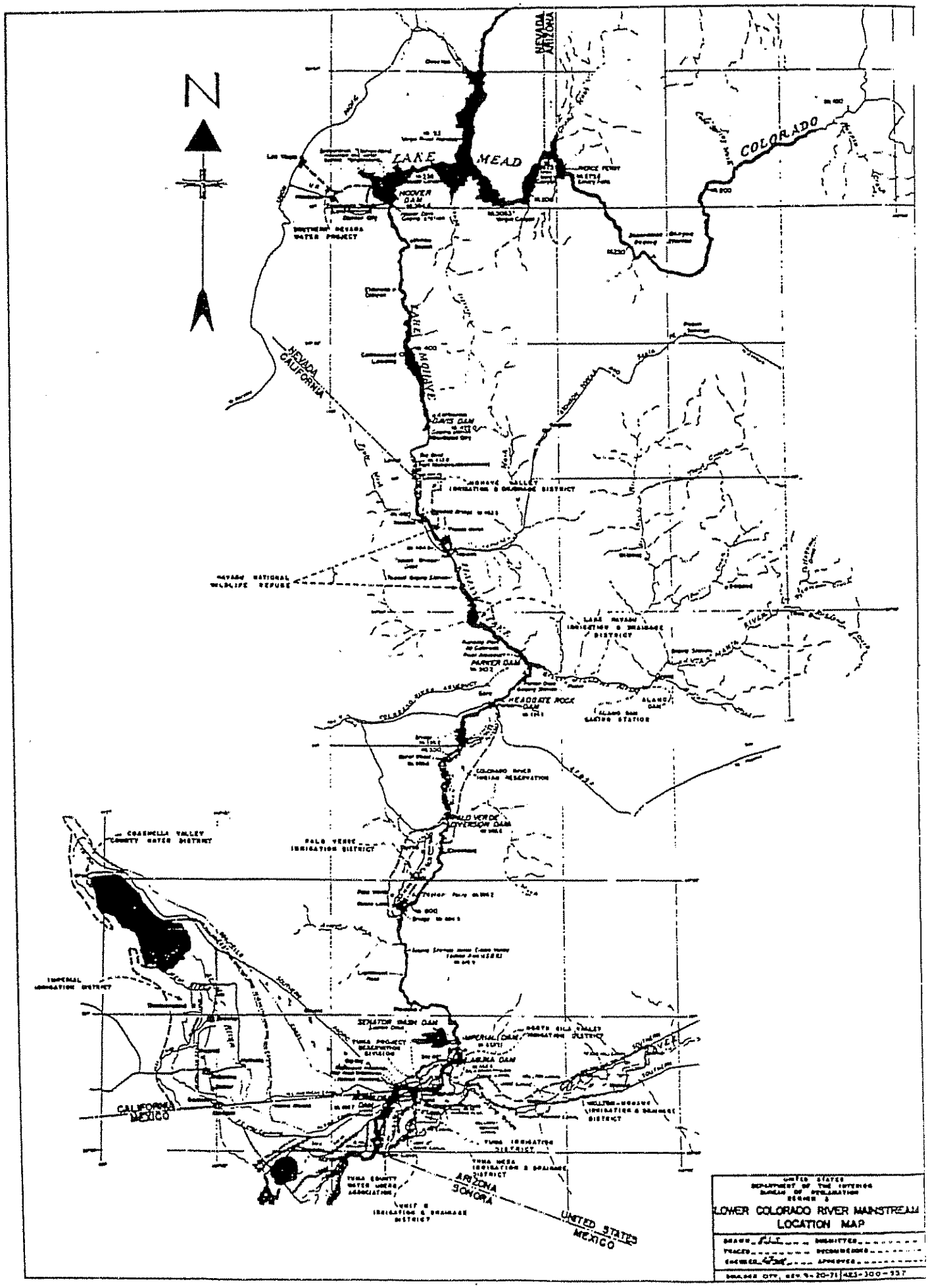
THE UNITED STATES IN

ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

CALENDAR YEAR 1992

Bureau of Reclamation

Lower Colorado Region
Boulder City, Nevada


N
LAKE MEAD
HOOVER DAM
COLORADO
NEVADA
ARIZONA
NEVADA
CALIFORNIA
LAKE MOHAVE
DAVIS DAM
MOHAVE VALLEY IRRIGATION & DRAINAGE DISTRICT
HAVASU NATIONAL WILDLIFE REFUGE
LAKE HAVASU IRRIGATION & DRAINAGE DISTRICT
PARKER DAM
HEADGATE ROCK DAM
ALAMO DAM
ALAMO DAM GAGING STATION
COLORADO RIVER INDIAN RESERVATION
PALO VERDE DIVERSION DAM
PALO VERDE IRRIGATION DISTRICT
COACHELLA VALLEY COUNTY WATER DISTRICT
IMPERIAL IRRIGATION DISTRICT
SENATOR WASH DAM
IMPERIAL DAM
NORTH GILA VALLEY IRRIGATION DISTRICT
YUMA PROJECT RESERVATION DIVISION
MARIA DAM
CALIFORNIA
MEXICO
WILLTON-MOHAVE IRRIGATION & DRAINAGE DISTRICT
YUMA IRRIGATION DISTRICT
YUMA MESA IRRIGATION & DRAINAGE DISTRICT
YUMA COUNTY WATER USERS ASSOCIATION
UNIT B IRRIGATION & DRAINAGE DISTRICT
ARIZONA
SONORA
UNITED STATES
MEXICO
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
REGION 3
LOWER COLORADO RIVER MAINSTREAM
LOCATION MAP
DRAWN
SUBMITTED
TRACED
RECOMMENDED
CHECKED
APPROVED
DOULDER CITY, NEV. 9-20-71
ARS-300-937

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S U M M A R Y
CONSUMPTIVE USE, DELIVERY TO MEXICO, AND RESERVOIR STORAGE
CALENDAR YEAR 1992

FINAL RECORDS (THOUSAND ACRE-FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER USE SUMMARY													
ARIZONA	28.3	65.4	96.7	181.9	210.9	271.6	327.9	243.4	159.2	137.9	99.9	82.8	1906.1
CALIFORNIA	241.8	236.6	320.1	469.7	525.4	504.0	526.7	412.7	379.1	389.0	321.2	220.0	4546.2
NEVADA	8.0	7.9	8.2	13.1	18.5	19.1	22.5	22.5	18.5	16.5	12.4	10.2	177.5
STATES TOTAL	278.1	310.0	425.0	664.7	754.8	794.7	877.1	678.6	556.8	543.5	433.5	313.1	6629.8
MEXICO IN SATISFACTION OF TREATY	117.6	126.3	197.6	190.7	123.2	124.6	158.5	146.2	96.4	86.3	88.2	125.3	1580.7
MEXICO BYPASS PURSUANT TO MINUTE 242	12.3	10.9	10.5	8.4	10.2	9.5	9.4	8.2	7.9	7.9	2.8	3.1	101.1
USE TOTAL	407.9	447.2	633.1	863.8	888.1	928.8	1045.0	832.9	661.1	637.7	524.5	441.5	8311.6
END OF MONTH ACTIVE CONTENTS:													
LAKE POWELL	13897	13745	13699	13913	14935	15276	14913	14427	14085	13892	13704	13334	
LAKE MEAD	19780	20065	20182	20112	19788	19497	19349	19307	19416	19447	19546	19729	
LAKE MOHAVE	1672	1654	1672	1585	1664	1604	1522	1639	1623	1539	1494	1623	
LAKE HAVASU	550	550	574	589	607	594	595	580	548	541	535	550	
LOWER BASIN TOTAL STORAGE	22002	22269	22428	22285	22059	21695	21466	21527	21587	21526	21575	21903	

ARTICLE V OF THE DECREE OF THE SUPREME COURT

OF THE UNITED STATES

IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

Article V

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. Theses quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and separately stated, water passing to Mexico in excess of treaty requirements;

(E) 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.

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 1992

The following tabulations for calendar year 1992 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 river flow 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 "Diversions for Colorado River Indian Reservation Main Canal near Parker, Arizona." The diversions are made at Headgate Rock Dam.

RELEASES OF WATER THROUGH REGULATORY STRUCTURES
CONTROLLED BY THE UNITED STATES
CALENDAR YEAR 1992

FINAL RECORDS (THOUSAND ACRE-FEET)

STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	784.7	639.1	593.3	570.7	584.3	662.8	848.7	838.6	683.2	515.5	560.8	653.6	7935.3
HOOVER DAM	301.3	424.9	612.9	721.3	930.6	877.0	961.1	898.5	593.4	512.1	456.9	537.3	7827.3
DAVIS DAM	404.9	446.2	611.4	794.4	831.8	946.1	1020.0	744.2	591.5	589.4	487.3	386.3	7853.5
PARKER DAM	294.4	353.3	496.9	661.0	627.3	693.3	760.3	553.8	493.7	471.3	366.1	214.0	5985.4
HEADGATE ROCK DAM 1/	283.5	325.0	458.0	602.1	558.8	607.9	664.0	485.5	452.4	435.1	339.1	193.6	5405.0
PALO VERDE DAM	236.3	272.6	397.0	488.7	453.0	503.4	572.0	433.9	381.3	391.4	303.7	204.5	4637.8
IMPERIAL DAM	25.2	22.4	70.1	22.6	23.3	22.0	25.0	39.3	32.4	30.3	23.3	44.1	380.2
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL	0.9	0.7	0.9	0.8	0.7	0.8	0.9	0.9	0.9	0.9	0.6	0.7	9.7
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	26.1	23.1	71.0	23.4	24.0	22.8	25.9	40.2	33.3	31.2	23.9	44.7	389.9
LAGUNA DAM	31.0	28.0	76.6	28.8	23.7	24.2	25.8	41.0	37.2	33.1	24.8	39.6	413.6

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

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 1992

The following tabulations for calendar year 1992 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. 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, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations also show quantities of water pumped from the mainstream or from wells in the Colorado River flood plain. Amounts diverted by pumping were determined by: (1) For most electric pumps, diversions were 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 and some electric pumps, a consumptive use factor of 6 acre-feet per irrigated acre per year was used.

There are undetermined amounts of unmeasured return flow reaching the Colorado River by means of flow through aquifers connecting water use areas to the mainstream. Reclamation, working with the U.S. Geological Survey, is continuing the research and investigative program to determine the amounts of such unmeasured return flows.

Tabulations for calendar year 1992 do include acceptable determinations of the unmeasured Colorado River return flows to Lake Mead from Las Vegas Wash which accrue the State of Nevada and a portion of the unmeasured return flows from the Yuma Mesa which are credited to the State of Arizona.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (DAVIS & KATHERINE LANDING)	DIVERSION	21	21	20	32	51	53	59	28	27	21	11	9	353
	RETURNS													
	CONSUMPTIVE USE													
L.C.R.D. PROJECT (DAVIS DAM) DIVERSION AT DAVIS DAM	DIVERSION	5	4	7	7	14	16	19	15	16	16	14	10	143
	RETURNS													
	CONSUMPTIVE USE													
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	395	392	340	431	482	548	591	633	496	592	441	366	5707
DIV. AT DAVIS DAM, MOHAVE CO. PARKS	DIVERSION	3	3	8	8	9	10	9	11	11	10	6	9	97
	RETURNS													
	CONSUMPTIVE USE	398	395	348	439	491	558	600	644	507	602	447	375	5804
MOHAVE WATER CONSERVATION PUMPED FROM WELLS	DIVERSION	23	24	28	34	35	46	55	54	56	43	34	31	463
	RETURNS													
	CONSUMPTIVE USE													
CONSOLIDATED WATER UTILITIES PUMPED FROM RIVER	DIVERSION	22	20	21	27	35	37	39	36	33	28	24	20	342
	RETURNS													
	CONSUMPTIVE USE													
MOHAVE VALLEY I. & D. DISTRICT PUMPED FROM WELLS	DIVERSION	976	989	1780	3718	3471	4888	5840	5585	3151	2531	1586	1204	35719
	RETURNS													
	CONSUMPTIVE USE													
FORT MOHAVE INDIAN RESERVATION 15 PUMPS AND WELLS IN FLOOD PLAIN	DIVERSION	929	647	3767	3630	4413	8847	8493	6687	2467	1820	1937	1138	44775
	RETURNS													
	CONSUMPTIVE USE													
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	DIVERSION 2/	21	17	28	31	37	45	49	48	37	31	22	22	389
	RETURNS													
	CONSUMPTIVE USE													
HAVASU NATIONAL WILDLIFE REFUGE INLET-NW NE NW SEC 33 T9N RSSW G&SRM	DIVERSION	113	1690	1310	3010	5820	4170	5850	2600	1290	1580	322	1410	29165
WELL 8N/23E-15Aa	DIVERSION 2/	12	9	16	17	21	26	28	27	21	18	13	12	220
(TOPOCK MARSH)	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	113	1690	1310	3010	5820	4170	5850	2600	1290	1580	322	1410	29165
LAKE HAVASU IRRIGATION AND DRAINAGE DISTRICT PUMPED FROM WELLS	DIVERSION	671	626	667	949	1193	1272	1430	1374	1292	1154	892	723	12243
	RETURNS													
	CONSUMPTIVE USE													
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	DIVERSION	8242	12187	20515	32964	53551	86140	128755	103079	40239	24950	21788	59671	592081 1/
	RETURNS													
	CONSUMPTIVE USE													
TOWN OF PARKER PUMPED FROM RIVER	DIVERSION	0	0	0	0	0	21	30	16	0	0	0	0	67
1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	DIVERSION	46	45	47	74	99	102	106	92	93	80	56	45	885
	RETURNS	0	0	0	0	0	1	2	2	0	0	0	0	5
	CONSUMPTIVE USE	46	45	47	74	99	122	134	106	93	80	56	45	947

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
COLORADO RIVER INDIAN RESERVATION														
DIVERSION AT HEADGATE ROCK DAM	DIVERSION	10850	28310	38910	58870	68530	85420	96280	68310	41270	36170	27020	20420	580360
1 PUMP FROM RIVER (B-04-22)14 BBD	DIVERSION 2/3/	320	256	437	472	577	699	763	734	577	483	343	338	6000
	RETURNS	11966	15711	18314	17919	20923	19900	24096	25913	20839	18932	17842	16669	229024
	CONSUMPTIVE USE	-796	12855	21033	41423	48184	66219	72947	43131	21008	17721	9521	4089	357333
EHRENBURG IMPROVEMENT ASSN.														
1 PUMP (B-03-22)03-BAC	DIVERSION	19	17	18	29	32	37	41	36	34	28	22	17	330
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA VALLEY IRRIGATION DISTRICT														
3 PUMPS SEC'S 20, 21 & 26T1N R23W	DIVERSION 2/	111	636	2501	1481	2467	3273	3401	2831	1209	1333	976	54	20273
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA NATIONAL WILDLIFE REFUGE														
3 PUMPS	DIVERSION	1489	1157	1094	839	1042	1530	975	1189	1630	2074	1489	1623	16131
	RETURNS													
	CONSUMPTIVE USE													
IMPERIAL NATIONAL WILDLIFE REFUGE														
2 WELLS SEC 13 T5S R22W G&SRM	DIVERSION 2/	427	342	583	629	769	932	1017	979	769	644	458	451	8002
	RETURNS													
	CONSUMPTIVE USE													
YUMA PROVING GROUND														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	2	0	2	4	3	1	1	0	2	0	4	19
	RETURNS													
	CONSUMPTIVE USE													
STURGES														
DIVERSION AT IMPERIAL DAM	DIVERSION	185	442	516	547	452	781	786	559	410	680	316	173	5847
(WARREN ACT)	RETURNS													
	CONSUMPTIVE USE													
WELLTON MOHAWK I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	9566	23008	22963	40927	39895	46316	50034	35650	40987	28776	29862	9110	377094
	RETURNS	12175	11097	10654	8590	11690	11020	10364	11272	10307	9739	5539	5455	117902
	CONSUMPTIVE USE	-2609	11911	12309	32337	28205	35296	39670	24378	30680	19037	24323	3655	259192
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	1269	1229	1308	1632	1964	2186	2314	2208	2118	1899	1559	1378	21064
DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	44	48	47	43	54	59	59	55	56	55	52	44	616
	RETURNS	796	743	796	801	745	773	736	780	803	791	756	768	9288
	CONSUMPTIVE USE	517	534	559	874	1273	1472	1637	1483	1371	1163	855	654	12392
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM	DIVERSION	81	54	52	127	180	187	287	278	255	200	92	31	1824
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN PACIFIC COMPANY														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	RETURNS													
	CONSUMPTIVE USE													
YUMA MESA FRUIT GROWERS ASSN.														
DIVERSION AT IMPERIAL DAM	DIVERSION	1	1	1	1	1	1	1	1	1	1	1	1	12
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	66	47	39	59	63	132	107	107	99	99	76	38	932
	RETURNS													
	CONSUMPTIVE USE													
YUMA UNION HIGH SCHOOL DIVERSION AT IMPERIAL DAM	DIVERSION	39	27	27	27	21	29	27	27	31	22	22	18	317
	RETURNS													
	CONSUMPTIVE USE													
CAMILLE, ALEC. JR. DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	3	0	3	2	3	0	0	0	6	6	4	0	27
	RETURNS													
	CONSUMPTIVE USE													
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM	DIVERSION	1	1	3	9	4	15	14	15	13	10	5	0	90
	RETURNS													
	CONSUMPTIVE USE													
NORTH GILA VALLEY IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION	2541	2946	3466	4551	4911	4635	3238	2232	4008	4957	3239	1518	42242
	RETURNS	1525	1632	1831	2134	2557	2368	1841	1266	2430	3075	2042	1145	23846
	CONSUMPTIVE USE	1016	1314	1635	2417	2354	2267	1397	966	1578	1882	1197	373	18396
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION	2484	3453	3581	6567	5224	3235	3944	4161	7842	6801	4659	1733	53684
PUMPED FROM PRIVATE WELLS	DIVERSION	192	368	318	611	786	792	434	396	862	608	636	2	6005
	RETURNS	402	504	540	962	1100	763	803	715	1566	1370	1015	420	10160
	CONSUMPTIVE USE	2274	3317	3359	6216	4910	3264	3575	3842	7138	6039	4280	1315	49529
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION	9797	8708	12086	19441	26653	28775	32016	28736	24560	17903	14140	4700	227515
	RETURNS	3026	2867	3055	3754	1352	2445	4968	4049	3956	3050	2116	1876	36514
	CONSUMPTIVE USE	6771	5841	9031	15687	25301	26330	27048	24687	20604	14853	12024	2824	191001
UNIT "B" I. & D. DISTRICT DIVERSION AT IMPERIAL DAM 7/7E/	DIVERSION	1338	1029	1719	2816	3281	3505	4190	3712	3244	3542	2014	881	31271
	RETURNS	534	506	539	663	239	432	877	714	698	538	373	331	6444
	CONSUMPTIVE USE	804	523	1180	2153	3042	3073	3313	2998	2546	3004	1641	550	24827
YUMA COUNTY WATER USERS ASSOCIATION DIVERSION AT IMPERIAL DAM	DIVERSION	15587	17612	21423	37544	30217	25349	24827	21633	28334	47605	27090	13381	310602
PUMPED FROM WELLS 7E/	DIVERSION	608	511	610	607	591	540	581	532	584	628	446	556	6794
	RETURNS	9043	7993	8661	9135	9988	7918	8139	8725	8910	13313	12049	10892	114766
	CONSUMPTIVE USE	7152	10130	13372	29016	20820	17971	17269	13440	20008	34920	15487	3045	202630
COCOPAH INDIAN RESERVATION DIVERSION AT IMPERIAL DAM	DIVERSION	72	76	9	254	235	145	167	0	250	317	52	9	1586
PUMPED FROM WELLS 7E/	DIVERSION	3	2	0	4	5	3	4	0	5	4	1	0	31
	RETURNS	2	3	0	7	8	3	3	0	9	9	1	0	45
	CONSUMPTIVE USE	73	75	9	251	232	145	168	0	246	312	52	9	1572
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	RETURNS 5/	2667	2256	2490	516	2473	2550	2887	2221	3050	3170	3521	3441	31242
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 6/	1893	1749	3296	3347	4778	5017	5735	4420	3425	4211	3388	2690	43956
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
ARIZONA TOTALS	DIVERSION	70468	108708	143568	226374	261974	319821	382601	299090	211812	191936	145111	123843	2485307
	RETURNS	42136	43312	46880	44481	51075	48173	54716	55657	52568	53987	45254	40997	579236
	CONSUMPTIVE USE	28332	65396	96688	181893	210899	271648	327885	243433	159244	137949	99857	82846	1906071

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river as is available for use in the United States or in satisfaction of the Mexican Treaty obligation, and evaporative or other losses from the Colorado River resulting from actions taken subsequent to March 9, 1964.

1/ No surface returns unless shown.
2/ Reported annual total only, distributed monthly according to nearby users.
3/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.
4/ Calculated using monthly power records.
5/ Pumped from underground and credited as return flow to Yuma Mesa Division but unassigned to disticts as returns.
Includes quantities of drainage from Yuma Mesa, Unit B, as well as from South Gila Valley.
6/ Details on Arizona Supplemental Sheets.
7/ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District, and the Yuma Mesa Irrigation & Drainage District is as follows:

Item	Annual Totals (Acre-Feet)	
Diversion at Imperial Dam A/	323441	
Pumped from wells	6005	
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	2645	
Return flow North Gila Valley (6 drains & wasteways)	7794	
Return flow South Gila Valley wells (DPOC's)	31242	
Return flow Yuma Mesa Outlet Drain B/	17000	
Return flow protective and regulatory pumping unit C/	19514	
Esitmated unmeasured groundwater return flow D/	23568	
Subtotal return flow E/	101763	101762 check
Consumptive Use (see note above)	227683	

(A) Total for the North Gila Valley, The Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts, and 'Unit B'.
(B) Estimated at 85 percent of the Yuma Mesa Outlet Drain with balance credited to 'Unit B'.
(C) Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.
(D) Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
(E) Addtional unmeasured amounts of return flows from the Yuma Mesa Irrigation and Drainage District, 'Unit B', the Cocopah Indian Reservation, and the Yuma County Water Users Association (YCWUA) are utilized to meet consumptive uses in the United States and in partial satisfaction of the Mexican Treaty obligation. Some of thes underground flows are recovered by pumping from wells on the Cocopah Indian Reservation and in the YCWUA area, and by some of the surface drains in the YCWUA area. Efforts will be made to at least quantify these return flows within broad limits by respective water user entities in future years.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Golden Standard Mines	SEC6 T21N R21W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0	2.6	0.0	4.1
Rayner, Jack Jr.	(B-04-22)34 CDD	1.2	12.3	600.9	94.6	125.4	776.7	1249.8	630.4	175.7	115.5	146.2	95.9	4024.6
Rayner, Jack Jr.	(B-04-22)34 DCD	0.0	0.0	39.1	16.1	0.0	9.1	65.0	15.8	17.6	30.0	2.5	0.0	195.2
Arakelian, George	(B-03-22)16 DAD 3/	117.7	94.3	160.7	173.5	212.2	257.2	280.6	270.0	212.2	177.7	126.3	124.3	2208.0
Pratt, L.	Sec14 T7S R22W ABC 2/3/	22.4	17.9	30.6	33.0	40.4	48.9	53.4	51.4	40.4	33.8	24.0	23.6	420.0
Dulin, A.	(C-8-22) 7CCD 3/	77.2	0.0	102.1	158.0	182.9	148.8	158.1	50.9	0.0	158.2	0.0	49.5	1085.7
MAGCO of ARIZ	(C-8-22) 18CBD	0.0	0.0	0.0	0.0	0.0	15.3	0.0	126.8	104.7	44.5	12.3	0.0	303.6
MAGCO of ARIZ	(C-8-22) 24BDD 3/	67.9	54.4	92.7	100.1	122.3	148.3	161.8	155.7	122.3	102.5	72.8	71.7	1273.0
Auza, Pete	SEC18 T08S R22W CBD 2/3/	38.4	30.7	52.4	56.6	69.2	83.9	91.5	88.1	69.2	58.0	41.2	40.5	720.0
Auza, Pete	SEC24 T08S R22W BDD	86.3	143.8	77.6	206.1	347.1	327.3	276.1	279.2	235.5	224.4	156.9	254.5	2614.8
Yowelman, R.	SEC17 T08S R22W CCB 2/3/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Camron Bros.	SEC24 T08S R22W CCB	0.4	0.0	11.9	37.0	121.4	162.7	155.1	77.5	75.5	77.9	3.6	1.0	724.0
Ott, Judd T.	SEC30 T08S R22W BAB	29.7	35.4	33.2	64.8	52.0	50.6	74.6	0.0	0.0	27.4	17.3	53.1	438.1
Ott, Judd T.	(C-8-22) 19CCA	83.4	56.8	45.2	39.7	54.6	55.3	87.1	68.9	49.2	46.3	34.4	97.2	718.1
Cameron Bros	SEC24 T08S R22W CAD	54.9	25.0	65.4	85.8	109.8	155.0	132.9	88.3	64.1	78.1	12.8	0.0	872.1
Ott	SEC24 T08S R23W DCC	91.2	59.8	63.1	69.1	122.2	66.7	130.1	75.3	45.9	92.9	63.3	65.4	945.0
Peach	SEC22 T08S R23W DDC	0.0	0.0	24.8	14.5	41.9	69.6	66.5	80.2	45.0	35.7	10.5	41.7	430.4
AZ Prod	SEC23 T08S R23W CDA	0.6	9.9	19.5	21.9	22.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74.3
Yucca Pwr Plant	SEC36 T16S R12E CBA 3/	10.1	8.1	13.8	14.9	18.3	22.1	24.1	23.2	18.3	15.3	10.9	10.7	190.0
Slade, Dwanee	SEC28 T16S R22E CDA	3.4	12.2	0.0	12.3	33.8	9.2	6.1	13.2	15.7	16.9	19.9	18.9	161.6
Curry Farms	SEC29 T16S R22E DAC	8.3	17.6	13.2	26.1	38.5	21.0	5.8	0.0	29.7	125.1	8.4	0.0	293.7
Power, R.E. & P.	SEC30 T16S R22E ACC 2/3/	151.9	121.7	207.5	224.0	273.9	332.0	362.2	348.6	273.9	229.4	163.0	160.5	2850.0
Hall, Ansil	SEC36 T16S R21E BCB 2/3/	23.0	18.4	31.4	34.0	41.5	50.3	54.9	52.8	41.5	34.8	24.7	24.3	432.0
Burrell	SEC33 T08S R24W BAB 2/3/	16.0	12.8	21.8	23.6	28.8	35.0	38.1	36.7	28.8	24.2	17.2	16.9	300.0
Huerta Packing	16S/21E-25Ha	9.5	97.9	45.5	46.1	68.1	12.8	0.0	0.0	79.2	90.8	167.1	52.9	669.9
Huerta Packing	16S/21E-25DAD	55.9	142.9	68.6	87.7	101.2	4.2	0.0	0.0	156.3	374.9	224.2	66.5	1282.4
Cocapah Bend RV	16S/22E-30Fb	18.1	14.5	24.8	26.7	32.7	39.6	43.2	41.6	32.7	27.4	19.4	19.1	340.0
Pacific Coast Fm	SEC19 T09S R24W BAD	36.6	28.7	83.8	70.4	161.1	9.2	89.4	64.6	4.0	105.5	48.0	40.5	741.8
Pacific Coast Fm	(C-9-24) 19BDD	29.3	21.5	67.4	55.8	123.5	6.8	75.9	50.4	2.8	82.3	37.4	33.2	586.3
Pacific Coast Fm	(C-9-24) 19BDA	18.1	13.1	40.6	33.8	76.8	7.2	46.6	30.7	1.7	51.1	23.7	20.1	363.5
Consoul, Lee	SEC31 T09S R24W AAA	35.6	27.1	35.0	97.6	106.1	9.6	0.0	4.2	97.6	239.9	212.2	121.1	986.0
Waymon Farms	(C-9-24) 31BBA	33.4	25.3	30.9	89.5	106.1	2.6	0.0	3.5	10.9	159.9	141.5	74.3	677.9
W. Brand-D. Donnely	(C-9-25) 35ABA 2/3/	33.6	26.9	45.9	49.5	60.5	73.4	80.1	77.0	60.5	50.7	36.0	35.5	630.0
J W Cuming	(C-10-25) 1BBA	43.7	62.6	72.6	153.4	133.8	50.8	0.0	46.3	304.8	287.7	35.3	62.0	1253.0
P. Sibley	(C-10-25) 2CDA 2/3/	103.9	83.3	142.0	153.3	187.4	227.2	247.8	238.5	187.4	157.0	111.5	109.8	1950.0
J W Cuming	(C-10-25) 14ADB	31.3	20.2	32.7	50.4	110.9	59.6	63.9	19.3	13.8	162.1	130.2	94.7	789.1
C & J Cummings	(C-10-25) 26BAB 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
J. Barkley	(C-10-25) 35CBA 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
J W Cuming	(C-11-25) 2BBA	0.0	0.0	76.5	0.0	0.0	69.7	128.9	124.2	55.8	0.0	0.0	0.0	455.1
Hughes, Earl	(C-11-25) 3DAC	317.9	71.9	207.4	220.0	398.2	451.6	99.0	148.7	333.3	1.0	526.9	207.8	2983.7
West Cocopah Res	(C-9-25) 25DDA	5.2	32.5	43.4	42.5	84.3	79.6	60.4	62.0	22.6	62.0	48.8	42.9	586.2
West Cocopah Res	(C-9-25) 25ADA	0.0	0.0	0.0	53.8	68.6	43.5	75.3	58.0	23.7	103.6	152.4	115.7	694.6
West Cocopah Res	(C-9-25) 25ACC	23.5	52.9	86.9	54.3	110.6	124.7	163.7	110.0	36.4	41.7	74.2	69.0	947.9
West Cocopah Res	(C-9-25) 25ABA	0.0	0.0	0.0	30.0	37.5	93.9	89.8	51.3	50.8	24.5	0.0	0.0	377.8
West Cocopah Res	(C-9-25) 25CBD	22.7	42.4	77.7	64.9	115.0	112.5	134.5	85.4	28.8	49.1	51.1	31.5	815.6
West Cocopah Res	(C-9-25) 25CBD	17.0	15.1	68.5	74.6	108.0	114.2	169.0	108.8	16.0	13.9	69.5	76.7	851.3
West Cocopah Res	(C-9-25) 25DDA	66.1	151.0	179.0	184.6	309.5	336.7	415.9	263.2	47.4	216.8	158.5	152.4	2481.1
West Cocopah Res	(C-9-25) 26DDC	1.6	2.8	14.6	45.4	28.2	10.7	24.7	56.0	0.0	0.0	35.0	2.3	221.3
BLM Permittees 3/		3.9	3.1	5.3	5.7	7.0	8.5	9.3	8.9	7.0	5.9	4.2	4.1	73.0
*** Total Arizona Supplemental ***		1893	1749	3296	3347	4778	5017	5735	4420	3425	4211	3388	2690	43956

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Calculated by assuming an annual diversion rate of 6 ac-ft per acre.
3/ Reported annual total only, distributed monthly according to nearby users.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOHAVE INDIAN RESERVATION PUMPED FROM RIVER AND WELLS (IDA Cal & Russell Bros.)	DIVERSION	28	912	374	941	3612	2998	3100	2623	2017	2343	649	1008	20604
	RETURNS													
	CONSUMPTIVE USE													
CITY OF NEEDLES PUMPED FROM RIVER	DIVERSION	~~117~~	~~92~~	~~113~~	~~196~~	~~271~~	~~317~~	~~317~~	~~315~~	~~272~~	~~187~~	~~146~~	~~99~~	~~2442~~ delete
4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	~~166~~	~~131~~	~~154~~	~~265~~	~~371~~	~~437~~	~~437~~	~~434~~	~~372~~	~~268~~	~~209~~	~~129~~	~~3373~~ 3373 - 6k
	RETURNS /9	113	89	107	184	257	302	302	300	258	182	142	91	~~2326~~ 2005
	CONSUMPTIVE USE	170	134	160	277	385	452	452	449	386	273	213	137	3489 1368
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	DIVERSION	105206	80114	80399	67553	110477	106373	111106	104651	105008	111585	104801	110149	1197422
	RETURNS 2/	312	297	324	315	326	304	294	269	271	285	285	310	3592
	CONSUMPTIVE USE	104894	79817	80075	67238	110151	106069	110812	104382	104737	111300	104516	109839	1193830
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	DIVERSION	22	19	21	26	27	31	30	34	31	27	17	16	301
	RETURNS													
	CONSUMPTIVE USE													
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS	DIVERSION 4/	305	259	388	1162	1215	738	1292	1433	1437	1267	107	190	9793
	RETURNS													
	CONSUMPTIVE USE													
CITY OF WINTERHAVEN 1 WELL SE SE NE SEC 27 T16S R22E SBM	DIVERSION 6/	4	9	8	10	12	12	12	12	14	12	11	10	126
	RETURNS													
	CONSUMPTIVE USE													
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	DIVERSION	28590	44910	52710	82900	100600	108600	102200	62180	61330	50870	42000	31270	768160
	RETURNS	28001	30691	35045	33479	41484	41584	42065	40613	36083	36206	33226	34994	433471
	CONSUMPTIVE USE	589	14219	17665	49421	59116	67016	60135	21567	25247	14664	8774	-3724	334689
	WATER MANAGEMENT ACCT. CREDITS 8/	0	0	0	0	0	0	0	11992	7179	3258	2220	3652	28301
PICACHO DEVELOPMENT CORPORATION PUMPED FROM RIVER	DIVERSION	5	5	11	13	11	12	12	11	12	11	6	4	113
	RETURNS													
	CONSUMPTIVE USE													
YUMA PROJECTS, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	2423	2553	2997	4952	3791	3476	3293	2404	7331	9041	4881	2430	49572
	RETURNS	55	68	58	110	96	65	43	57	179	192	96	92	1111
	CONSUMPTIVE USE	2368	2485	2939	4842	3695	3411	3250	2347	7152	8849	4785	2338	48461
YUMA PROJECTS, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	2233	2756	3434	5715	5227	5337	5115	3846	3342	4170	3608	1659	46442
	RETURNS	29	42	42	76	83	61	42	51	55	61	42	36	620
	CONSUMPTIVE USE	2204	2714	3392	5639	5144	5276	5073	3795	3287	4109	3566	1623	45822
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETRUNS	RETURNS 3/	3259	2874	3025	3554	3944	3320	3142	3200	3412	4385	4701	4148	42964
SUM YUMA PROJECTS, RES. DIV. USE	CONSUMPTIVE USE	1313	2325	3306	6927	4895	5367	5181	2942	7027	8573	3650	-187	51319
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	124126	129352	205005	324479	320440	294004	314946	237783	209294	232547	183672	100253	2675901
	RETURNS	4676	5956	7141	12561	14778	9433	7479	9318	9893	9322	6360	6325	103242
	CONSUMPTIVE USE	119450	123396	197864	311918	305662	284571	307467	228465	199401	223225	177312	93928	2572659

Rt. Flow DC
38-58%
103,242-IC
12,588-CW
115,830
USBR = 115,830
IID = 121,946
DIFF = -5,116

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	13967	14872	19555	30358	39704	35482	36740	37973	31609	23578	22884	15233	321955
	RETURNS	526	685	681	1175	1831	1138	872	1488	1494	945	792	961	12588
	CONSUMPTIVE USE	13441	14187	18874	29183	37873	34344	35868	36485	30115	22633	22092	14272	309367
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 5/	1572	1355	1338	2557	2395	2350	2331	2267	1477	1442	1627	890	21603
	RETURNS													
	CONSUMPTIVE USE													
CALIFORNIA TOTALS	DIVERSION	278763	277339	366507	521127	588153	560167	580932	455966	423545	437348	364618	263340	5117805
	RETURNS	36971	40702	46423	51454	62799	56207	54239	55296	51645	51578	45644	46957	599914
	CONSUMPTIVE USE	241792	236636	320084	469673	525354	503961	526693	400670	371901	385770	318974	216383	4517891
	WATER MANAGEMENT ACCT. CREDITS 8/	0	0	0	0	0	0	0	11992	7179	3258	2220	3652	28301
	TOTAL USE	241792	236636	320083	469672	525354	503960	526693	412662	379079	389028	321194	220035	4546192

- 39.10%

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river as is available for use in the United States or in satisfaction of the Mexican Treaty obligation, and evaporative or other losses from the Colorado River resulting from actions taken subsequent to March 9, 1964.

1/ No surface returns unless shown.
2/ Estimate based on measured regulatory reservoirs seepage returns less an estimated amount of phreatophyte use.
3/ Returns unassigned include drainage form the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the All-American Canal.
4/ Calculated using monthly power records.
5/ Details on California Supplemental Sheets.
6/ Reported annual total only, distributed monthly according to nearby users.
7/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.
8/ PVID-MWD land fallow test program of 20,215 acres with 1.4 acft/ac of use in 1992. Water is accounted as used in the year saved and stored for the exclusive future use of MWD and not to be additive to current year MWD diversions.
9/ Needles total return estimated as 40% of diversion (unpublished report, Colorado River Board of California), measured surface return was 1,826 acre-feet.
656

plus measured returns

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1992
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
IDA CAL	11N/22E -31Cb 1/	3.2	22.3	25.9	22.7	112.7	78.6	135.5	100.0	115.9	78.6	33.9	35.4	764.7
IDA CAL	11N/21E -36Hd 1/	30.5	0.0	0.0	29.9	109.4	81.7	91.0	139.3	39.1	94.4	15.5	46.6	677.4
Southern Cal Gas	9N/23E-29Qa 4/	2.6	2.1	3.6	3.9	4.7	5.7	6.2	6.0	4.7	3.9	2.8	2.8	49.0
Havasu Water Company	SEC31 T5N R25E	3.3	2.9	3.3	4.5	6.7	7.3	9.1	9.6	7.7	6.8	4.4	3.0	68.6
Lye, C. L.	1S/24E -16Gb 2/4/	1.6	1.3	2.2	2.4	2.9	3.5	3.8	3.7	2.9	2.4	1.7	1.7	30.0
Land, Ralph	SEC35 T15S R23E DDC	36.4	88.9	35.0	72.9	147.2	61.2	65.6	14.6	62.7	35.0	27.7	7.3	654.5
Living Earth Frm	SEC35 T16S R23E BBC	6.5	8.9	17.8	0.0	21.1	18.6	7.3	4.1	4.9	4.1	1.6	0.8	95.7
Land, Ralph	SEC22 T16S R23E BDD	61.6	56.0	30.8	257.5	190.3	123.2	75.6	56.0	0.0	84.0	0.0	28.0	963.0
Power, Pete	SEC14 T16S R23E CCB 2/4/	108.7	87.1	148.5	160.3	196.0	237.7	259.3	249.5	196.0	164.2	116.7	114.9	2040.0
Dulin, A.	(C-8-22) 8DAC	0.0	0.0	0.0	0.0	0.0	0.0	39.3	44.6	45.6	35.5	24.3	21.3	210.6
Dulin, A.	(C-8-22) 9CCC	29.3	54.5	57.4	39.8	138.0	158.9	135.6	124.2	84.9	70.5	137.7	131.0	1161.8
Harp (R. Harp)	(C-8-23) 13AAD 2/4/	32.0	25.6	43.7	47.2	57.7	69.9	76.3	73.4	57.7	48.3	34.3	33.8	600.0
Spencer, Mindle	(C-8-22) 6CDA	217.9	195.2	117.4	107.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	638.0
H & S Farms	(C-8-22) 7BAB	61.9	26.5	24.8	23.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	136.2
Ed Wavers Farms	(C-8-22) 6BCD 2/4/	12.8	10.2	17.5	18.9	23.1	28.0	30.5	29.4	23.1	19.3	13.7	13.5	240.0
Ed Wavers Farms	(C-8-22) 6CBD	152.1	121.1	128.2	211.3	160.9	181.3	145.0	108.8	125.6	92.0	266.2	82.2	1774.7
Ed Wavers Farms	(C-8-22) 6CCA	175.1	103.5	136.2	101.7	115.0	135.3	229.0	100.8	58.4	97.3	358.1	157.4	1767.8
Spencer, M.	SEC9 T16S R23E CAC	21.6	22.4	26.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	70.5
Wavers, Edward M.	(C-8-23) 1BBA	14.6	2.9	1.5	2.9	0	0	0	20.4	0	2.9	17.5	5.8	68.5
Wavers, Edward M.	(C-8-23) 1BAD	2.9	0.0	23.3	0.0	23.3	14.6	5.8	0.0	0.0	0.0	58.4	8.8	137.1
Schaffer, F. (Harp)	(C-8-23) 2ADC 2/4/	17.6	14.1	24.0	25.9	31.7	38.4	41.9	40.4	31.7	26.6	18.9	18.6	330.0
Taylor Bros.	(C-8-23) 2DDA	16.3	4.4	14.8	154	134.8	66.6	48.9	108.1	87.4	119.9	22.2	8.9	786.3
Easterday, Kitti	(C-8-23) 1DCC	4.2	49.5	26.9	80.6	99.0	111.8	94.8	124.5	0.0	0.0	0.0	0.0	591.3
Dees, Alex	(C-8-23) 1DAC	74.0	97.3	74.0	179.1	239.4	309.5	307.6	272.5	266.7	247.2	85.7	72.0	2225.0
Harp, P. (R. Harp)	(C-8-23) 12DAC 2/4/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Easterday, K.	(C-8-23) 12CDB	75.8	74.2	37.1	261.2	320.2	313.5	244.4	340.4	15.2	69.1	170.2	11.8	1933.1
Smith, F. (P. Power)	(C-8-23) 11DCA	29.7	69.3	87.7	22.6	62.3	130.2	128.8	43.9	0.0	0.0	113.2	0.0	687.7
Valdez, Mike	T16S R23E SEC 30Ec	183.9	89.1	101.9	297.1	43.9	12.7	0.0	46.7	0.0	0.0	0.0	1.4	776.7
Valdez, Mike	T16S R23E SEC 30Fd	133.0	75.0	42.4	338.1	42.4	25.5	0.0	62.3	134.4	45.3	35.4	17.0	950.8
Bly, James R. 3/		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.1
Williams, Jerry 3/		0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	1.1
BLM Permittees 4/		11.2	9.0	15.3	16.5	20.2	24.5	26.7	25.7	20.2	16.9	12.0	11.8	210.0
*** Total California Supplemental ***		1572	1355	1338	2557	2395	2350	2331	2267	1477	1442	1627	890	21603

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Calculated by assuming an annual diversion rate of 6 ac-ft per acre.
3/ Location of well/pump not reported.
4/ Reported annual total only, distributed monthly according to nearby users.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF NEVADA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	1	1	1	2	3	4	4	4	3	3	2	1	29
	RETURNS													
	CONSUMPTIVE USE													
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	16172	15889	17495	22180	25646	24714	27559	27569	23581	25160	20852	17884	264701
BY USER: BOULDER CTY 4/		278	257	306	459	704	834	896	893	799	614	395	287	6723
HENDERSON 4/		1148	965	1246	2032	2861	2898	3244	3155	2586	1918	1155	808	24016
LAS VEGAS VALLEY W.D. 4/		11037	10598	11679	15524	18944	18382	20528	20615	17598	20204	17652	15235	197995
NORTH LAS VEGAS 4/		1286	1282	1380	1979	2617	2250	2569	2570	2224	2158	1487	1438	23241
NELLIS AIR FORCE BASE 4/		117	141	150	233	332	349	322	336	329	266	162	116	2853
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION AT LAKE MEAD	DIVERSION	64	56	54	77	100	108	124	90	75	69	43	46	906
	RETURNS													
	CONSUMPTIVE USE													
BASIC MANAGEMENT INC.														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	470	436	529	466	550	829	738	706	711	633	644	557	7269
	RETURNS													
	CONSUMPTIVE USE													
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	760	781	486	314	393	797	1146	1458	928	996	831	720	9610
	RETURNS													
	CONSUMPTIVE USE													
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	342	313	344	335	348	337	355	363	354	376	431	437	4335
	RETURNS	342	313	344	335	348	337	355	363	354	376	431	437	4335
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BOULDER CITY														
DIVERSION AT HOOVER DAM	DIVERSION	0	0	0	0	0	0	0	0	0	0	1	2	3
	RETURNS													
	CONSUMPTIVE USE													
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	29	25	30	34	39	48	52	50	65	55	55	47	529
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN CALIFORNIA EDISON														
PUMPED FROM SEC 24 T32S R66E MDB&M	DIVERSION	1066	1049	1202	870	1162	842	1523	1588	1323	943	962	1401	13931
	RETURNS													
	CONSUMPTIVE USE													
BIG BEND WATER DISTRICT														
PUMPED FROM SEC 13 T32S R66E MDB&M	DIVERSION	272	259	283	337	392	421	470	477	435	387	328	280	4341
	RETURNS													
	CONSUMPTIVE USE													
LAS VEGAS WASH RETURN FLOWS	RETURNS 2/	10847	10565	11875	11131	9782	8683	9100	9487	8611	11723	11278	10701	123783

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF NEVADA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY	DIVERSION 3/	1	1	1	1	1	2	2	2	1	1	1	1	15
	RETURNS													
	CONSUMPTIVE USE													
NEVADA TOTALS	DIVERSION	19177	18810	20425	24616	28634	28102	31973	32307	27476	28623	24150	21376	305669
	RETURNS	11189	10878	12219	11466	10130	9020	9455	9850	8965	12099	11709	11138	128118
	CONSUMPTIVE USE	7988	7932	8206	13150	18504	19082	22518	22457	18511	16524	12441	10238	177551
GROUNDWATER INJECTED STORAGE 5/														
LAS VEGAS VALLEY WATER DIST.	INJECTED	2156	2450	2532	1763	0	0	0	0	0	638	2748	3329	15616
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF NORTH LAS VEGAS	INJECTED	151	194	201	190	187	1	0	0	46	160	129	126	1385
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

NOTE: The term 'CONSUMPTIVE USE' in this tabulation means diversions including underground pumping, less measured return flow and less current estimated unmeasured return flow to the river as is available for use in the United States or in satisfaction of the Mexican Treaty obligation, and evaporative or other losses from the Colorado River resulting from actions taken subsequent to March 9, 1964.

1/ No surface returns unless shown.
2/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and as revised.
3/ Details on Nevada Supplemental Sheets.
4/ User deliveries adjusted by weighted use to equal total diversion at Lake Mead.
5/ Beginning of year cumulative injected storage of 30535 AF plus current year increase in injected storage of 17001 AF less current year withdrawls from injected storage of 0 AF yields year end total of 47536 AF injected storage.

return flow credits calculation

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1992
STATE OF NEVADA

FINAL RECORDS (ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Clark County Parks & Rec. 2/	0.8	0.6	1.1	1.2	1.4	1.7	1.9	1.8	1.4	1.2	0.9	0.8	15.0
*** Total Nevada Supplemental ***	1	1	1	1	1	2	2	2	1	1	1	1	15

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Reported annual total only, distributed monthly according to nearby users.

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 1992

The following tabulations for calendar year 1992 show records of releases of mainstream water pursuant to orders thereto, 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 diversion 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 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CENTRAL ARIZONA PROJECT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERT	80	637	849	468	34532	113	1002	5758	2164	118	42	1799	47562
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS													
	DELIVERED TO STORAGE 2	80	637	849	468	34532	113	1002	5758	2164	118	42	1799	47562
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	ORDERED BUT NOT DIVERT	3662	710	2642	1934	1095	496	1329	1880	1325	702	0	924	16699
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	994	575	720	1934	631	430	585	1412	706	226	0	290	8503
	DELIVERED TO STORAGE 2	2668	135	1747	0	361	66	744	432	619	196	0	521	7489
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	175	0	103	0	0	36	0	280	0	113	707
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	2616	2840	3273	2614	3410	2670	3160	1793	1773	3590	3838	4334	35911
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	906	976	863	1533	1053	1271	1595	772	538	470	1361	877	12215
	DELIVERED TO STORAGE 2	1710	1864	1944	801	2188	1399	1565	1007	1235	2557	2477	3056	21803
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	466	280	169	0	0	14	0	563	0	401	1893
STURGES (WARREN ACT) GILA PROJECT DISTRICTS DIVERSION AT IMPERIAL DAM 1/	ORDERED BUT NOT DIVERT	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO STORAGE 2	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
WELLTON-MOHAWK I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	1759	2424	9148	2118	4499	2551	2356	3322	3574	5548	2281	7722	47302
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	268	109	434	135	871	333	520	500	664	458	420	413	5125
	DELIVERED TO STORAGE 2	1491	2315	6544	856	3410	2218	1836	2322	2910	4792	1861	6258	36813
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	2170	1127	218	0	0	500	0	298	0	1051	5364
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	401	472	2091	621	420	315	303	159	165	742	266	811	6766
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	129	69	77	93	137	141	167	54	54	99	95	36	1151
	DELIVERED TO STORAGE 2	272	403	1463	108	275	174	136	101	111	544	171	642	4400
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	551	420	8	0	0	4	0	99	0	133	1215
YUMA MESA I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	2753	3061	4538	2543	1724	1357	1258	1866	2198	2799	3336	1811	29244
	DELIVERED TO MEXICO IN													

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 1992
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
	SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	329	660	75	589	371	478	419	417	623	296	778	79	5114
	DELIVERED TO STORAGE 2	2424	2401	3332	897	1238	879	839	1249	1575	2243	2558	1548	21183
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	1131	1057	115	0	0	200	0	260	0	184	2947
UNIT "B" I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	359	214	1123	335	551	633	371	494	456	627	198	875	6236
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	44	46	73	107	99	256	238	65	89	32	71	42	1162
	DELIVERED TO STORAGE 2	315	168	866	127	381	377	133	399	367	549	127	698	4507
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	184	101	71	0	0	30	0	46	0	135	567
YUMA COUNTY WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	4600	5851	7301	3263	7230	2840	4850	4308	3174	3667	6512	6843	60439
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	1916	2198	2224	2269	3554	1876	2668	2707	1472	1613	4510	2836	29843
	DELIVERED TO STORAGE 2	2684	3653	4032	129	2898	964	2182	1343	1702	1191	2002	3267	26047
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	1045	865	778	0	0	258	0	863	0	740	4549
ARIZONA TOTALS	ORDERED BUT NOT DIVERT	16230	16209	30965	13896	53461	10975	14629	19580	14829	17793	16473	25119	250159
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	4586	4633	4466	6660	6716	4785	6192	5927	4146	3194	7235	4573	63113
	DELIVERED TO STORAGE 2	11644	11576	20777	3386	45283	6190	8437	12611	10683	12190	9238	17789	169804
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	5722	3850	1462	0	0	1042	0	2409	0	2757	17242

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 1992
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERT	486	434	718	163	522	440	461	339	265	394	315	345	4882
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	486	434	718	163	522	440	461	339	265	394	315	345	4882
	DIVERTED BY OTHERS													
	DELIVERED TO STORAGE 1													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	ORDERED BUT NOT DIVERT	904	506	960	526	1567	972	1636	1563	1527	93	1210	48	11512
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	488	194	214	526	668	631	1176	668	845	18	843	10	6281
	DIVERTED BY OTHERS	416	312	704	0	722	341	460	629	682	10	367	36	4679
	DELIVERED TO STORAGE 1													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	42	0	177	0	0	266	0	65	0	2	552
YUMA PROJECT RESV. DIVISION DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	1388	2616	3172	1928	2460	2277	863	2202	536	1402	2592	5927	27363
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	498	631	724	879	1394	1595	442	1267	389	772	1882	2071	12544
	DIVERTED BY OTHERS	890	1985	1540	196	895	682	421	634	147	396	710	3170	11666
	DELIVERED TO STORAGE 1													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	908	853	171	0	0	301	0	234	0	686	3153
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	4354	5593	31692	6996	11419	561	5371	2495	2148	8501	1263	16622	97015
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	432	371	1843	105	1254	504	2376	1408	930	1067	914	2477	13681
	DIVERTED BY OTHERS	3922	5222	24515	1115	6535	57	2995	428	1218	5433	349	10561	62350
	DELIVERED TO STORAGE 1													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	5334	5776	3630	0	0	659	0	2001	0	3584	20984
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERT	254	1849	1158	805	484	20	107	123	99	609	105	1158	6771
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	167	240	319	16	129	14	67	117	61	270	38	196	1634
	DIVERTED BY OTHERS	87	1609	813	182	355	6	40	6	38	220	67	736	4159
	DELIVERED TO STORAGE 1													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	26	607	0	0	0	0	0	119	0	226	978
CALIFORNIA TOTALS	ORDERED BUT NOT DIVERT	7386	10998	37700	10418	16452	4270	8438	6722	4575	10999	5485	24100	147543
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1585	1436	3100	1526	3445	2744	4061	3460	2225	2127	3677	4754	34140
	DIVERTED BY OTHERS	5801	9562	28290	1656	9029	1526	4377	2036	2350	6453	1808	14848	87736
	DELIVERED TO STORAGE 1													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	6310	7236	3978	0	0	1226	0	2419	0	4498	25667

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 1992

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1992

FINAL RECORDS (ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ACTUAL DELIVERY IN SATISFACTION OF TREATY 1/	117557	126311	197614	190666	123199	124570	158466	146158	96397	86320	88211	125263	1580732
TO MEXICO AS SCHEDULED	117179	126168	183818	177259	111058	124184	158383	128234	95644	73775	86745	117553	1500000
TO MEXICO IN EXCESS OF SCHEDULE 2/	378	143	13796	13407	12141	386	83	17924	753	12545	1466	7710	80732
BYPASS PURSUANT TO MINUTE 242	12260	10945	10481	8436	10175	9548	9416	8202	7895	7897	2778	3076	101109

1/ Includes 243 acre-feet delivery to Mexico by The Metropolitan Water District of Southern California.
2/ Water that is lost to the United States through releases into the Colorado River above Morelos Dam in excess of Lower Basin delivery orders and Mexican Treaty requirements. These excess waters exceed water orders in Mexcico and are generally not diverted for benificial use in Mexico.

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 1992

DIVERSIONS FROM MAINSTREAM OF GILA AND SANFRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 1992

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

1/ Zero diversions reported for 1992.

R E V I S I O N S

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

REVSIONS FOR CALENDAR YEAR 1991

REVISION 1991

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
REVISED CALENDAR YEAR 1991
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
CITY OF NEEDLES														
4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	263	207	248	428	597	701	701	696	598	423	330	212	5404
	RETURNS	105	83	99	171	239	280	280	278	239	169	132	85	2162
	CONSUMPTIVE USE	158	124	149	257	358	420	420	418	359	254	198	127	3242
CALIFORNIA TOTALS	DIVERSION	282012	363784	378910	569499	616333	583092	623412	569407	478033	490277	376329	257298	5588387
	RETURNS	40975	39206	43317	44111	50309	47926	53955	53854	54800	57765	52013	44583	582816
	CONSUMPTIVE USE	241037	324578	335593	525388	566025	535166	569457	515553	423233	432512	324316	212715	5005571

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COMPILATION OF RECORDS IN

ACCORDANCE WITH ARTICLE V OF THE

DECREE OF THE SUPREME COURT OF

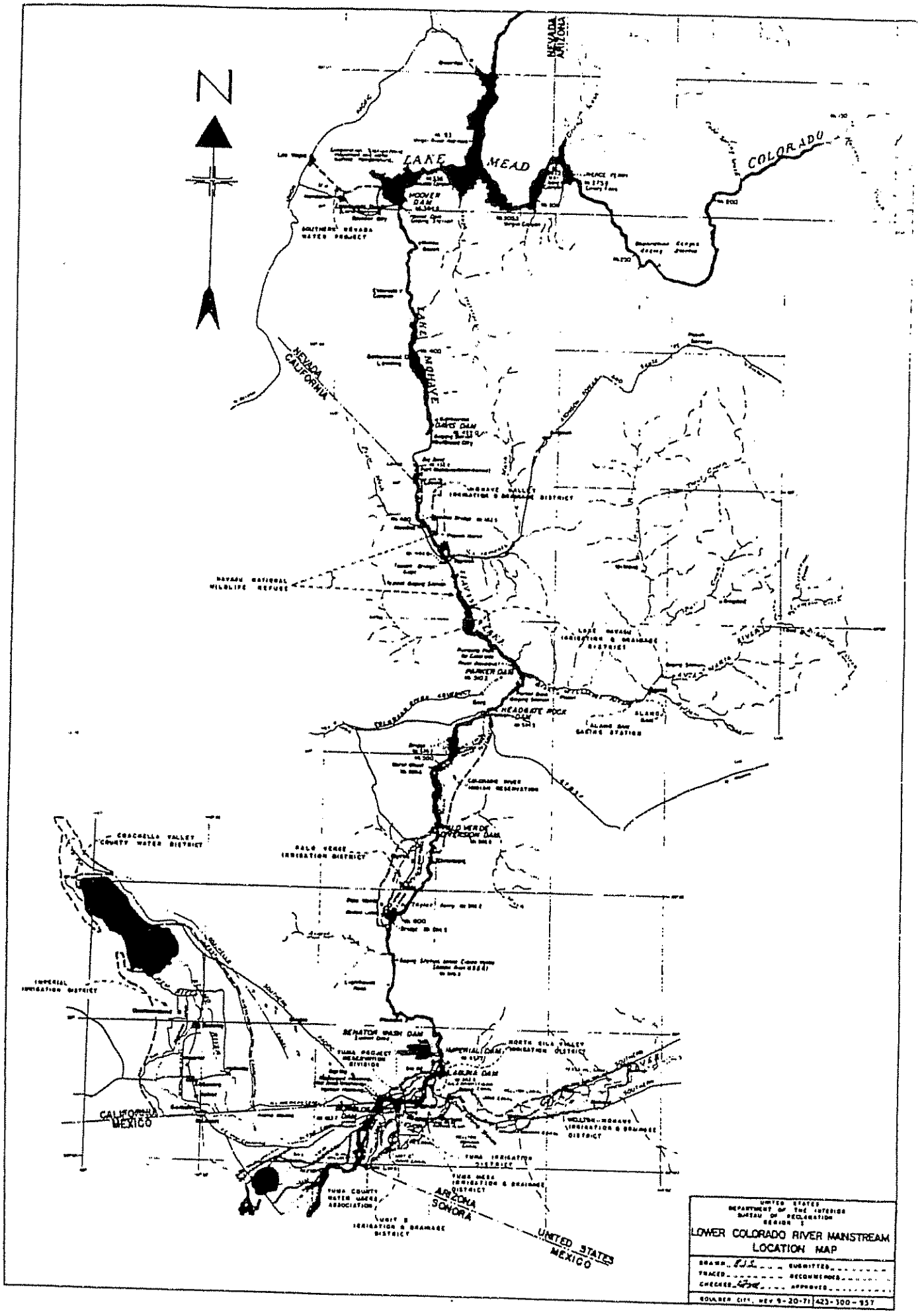
THE UNITED STATES IN

ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

CALENDAR YEAR 1993

Bureau of Reclamation

Lower Colorado Region
Boulder City, Nevada


N
LAKE MEAD
COLORADO
NEVADA
ARIZONA
HOOVER DAM
SOUTHERN NEVADA WATER PROJECT
LAKE MOHAVE
NEVADA
CALIFORNIA
DAVIS DAM
MOHAVE VALLEY IRRIGATION & DRAINAGE DISTRICT
HAVASU NATIONAL WILDLIFE REFUGE
LAKE HAVASU
PARKER DAM
LOST HAVASU IRRIGATION & DRAINAGE DISTRICT
HEADGATE ROCK DAM
BLANDY
GAGING STATION
COLORADO RIVER INDIAN RESERVATION
PALO VERDE DIVERSION DAM
COACHELLA VALLEY COUNTY WATER DISTRICT
PALO VERDE IRRIGATION DISTRICT
IMPERIAL IRRIGATION DISTRICT
SENATOR WASH DAM
YUMA PROJECT RECLAMATION DIVISION
IMPERIAL DAM
NORTH GILA VALLEY IRRIGATION DISTRICT
LAGUNA DAM
CALIFORNIA
MEXICO
HOLTVILLE-MOHAWK IRRIGATION & DRAINAGE DISTRICT
YUMA IRRIGATION DISTRICT
YUMA MESA IRRIGATION & DRAINAGE DISTRICT
YUMA COUNTY WATER USERS' ASSOCIATION
UNIT B IRRIGATION & DRAINAGE DISTRICT
ARIZONA
SONORA
UNITED STATES
MEXICO
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
REGION 3
LOWER COLORADO RIVER MAINSTREAM
LOCATION MAP
DRAWN
SUBMITTED
TRACED
RECOMMENDED
CHECKED
APPROVED
BOULDER CITY, NEV 9-20-71
423-300-957

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S U M M A R Y
WATER SUPPLY, CONSUMPTIVE USE, DELIVERY TO MEXICO, AND SYTEM LOSS
CALENDAR YEAR 1993

FINAL RECORDS (THOUSAND ACRE-FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER USE SUMMARY													
ARIZONA	5.7	20.6	161.5	263.0	262.9	293.7	337.7	260.5	167.3	143.8	110.2	219.7	2246.7
CALIFORNIA	129.8	181.7	421.0	555.2	543.7	521.0	549.0	509.7	433.4	412.8	276.2	301.4	4835.0
NEVADA	7.6	7.9	11.7	15.6	21.7	21.7	25.4	23.8	20.8	20.8	14.3	13.1	204.4
STATES TOTAL	143.2	210.2	594.2	833.8	828.3	836.5	912.1	793.9	621.5	577.4	400.6	534.2	7286.1
MEXICO IN SATISFACTION OF TREATY	265.6	595.1	1339.9	937.8	563.7	317.0	216.1	176.9	179.5	213.0	224.7	163.5	5192.8
MEXICO BYPASS PURSUANT TO MINUTE 242	7.1	10.0	14.2	10.8	8.7	1.8	3.0	3.0	1.2	1.3	0.2	0.1	61.4
USE TOTAL	415.9	815.3	1948.3	1782.5	1400.8	1155.3	1131.2	973.8	802.3	791.7	625.5	697.9	12540.3
END OF MONTH ACTIVE CONTENTS:													
LAKE POWELL	13104	12994	13412	14159	16805	19337	19526	19074	18825	18790	18694	18402	
LAKE MEAD	20627	21515	21981	21922	21521	21258	21111	21277	21379	21228	21283	21324	
LAKE MOHAVE	1735	1709	1691	1547	1717	1663	1632	1509	1375	1444	1509	1612	
LAKE HAVASU	570	599	572	595	611	600	586	594	579	549	540	551	
LOWER BASIN TOTAL STORAGE	22932	23823	24244	24064	23849	23521	23328	23379	23333	23221	23332	23486	

ARTICLE V OF THE DECREE OF THE SUPREME COURT

OF THE UNITED STATES

IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

Article V

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. Theses quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and separately stated, water passing to Mexico in excess of treaty requirements;

(E) 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.

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 1993

The following tabulations for calendar year 1993 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 river flow 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 "Diversions for Colorado River Indian Reservation Main Canal near Parker, Arizona." The diversions are made at Headgate Rock Dam.

RELEASES OF WATER THROUGH REGULATORY STRUCTURES
CONTROLLED BY THE UNITED STATES
CALENDAR YEAR 1993

FINAL RECORDS (THOUSAND ACRE-FEET)

STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	783.9	638.6	597.7	592.4	592.8	613.6	896.3	927.7	661.2	532.7	613.8	795.8	8246.5
HOOVER DAM	284.4	61.5	336.6	782.4	1061.0	823.4	929.5	712.1	516.3	663.2	533.8	740.7	7444.9
DAVIS DAM	157.6	97.6	344.0	898.9	865.8	868.4	931.1	827.4	647.8	575.4	457.3	614.9	7286.2
PARKER DAM	100.8	193.3	523.6	623.7	620.7	611.6	653.1	588.3	500.4	457.0	313.4	348.1	5534.0
HEADGATE ROCK DAM 1/	99.8	183.5	465.9	555.6	546.9	530.5	565.4	517.5	454.5	418.5	283.8	308.8	4930.6
PALO VERDE DAM	136.1	156.4	429.3	516.9	491.1	470.5	466.0	433.2	379.7	377.6	235.3	277.0	4369.1
IMPERIAL DAM	23.2	16.9	20.6	20.3	21.5	20.2	21.9	24.6	22.0	19.9	16.7	20.5	248.1
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL	0.9	0.8	0.9	0.9	0.9	0.9	1.0	1.0	1.0	1.0	1.0	0.9	11.1
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	24.1	17.7	21.5	21.2	22.5	21.1	22.9	25.6	23.0	20.8	17.6	21.5	259.2
LAGUNA DAM	24.9	17.5	49.4	28.7	24.6	27.2	20.4	22.9	22.1	21.2	16.3	21.0	296.1

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

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 1993

The following tabulations for calendar year 1993 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. 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, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations also show quantities of water pumped from the mainstream or from wells in the Colorado River flood plain. Amounts diverted by pumping were determined by: (1) For most electric pumps, diversions were 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 and some electric pumps, a consumptive use factor of 6 acre-feet per irrigated acre per year was used.

There are undetermined amounts of unmeasured return flow reaching the Colorado River by means of flow through aquifers connecting water use areas to the mainstream. Reclamation, working with the U.S. Geological Survey, is continuing the research and investigative program to determine the amounts of such unmeasured return flows.

Tabulations for calendar year 1993 do include acceptable determinations of the unmeasured Colorado River return flows to Lake Mead from Las Vegas Wash which accrue the State of Nevada and a portion of the unmeasured return flows from the Yuma Mesa which are credited to the State of Arizona.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The recording of diversions, return flows, or consumptive use in this tabulation is for statistical use only and is not to be interpreted as an entitlement, indication that the use is authorized, or imply that return flow credits are associated with a specific entitlement.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE MEAD NAT'L RECREATION, AZ.														
DIVERSIONS FROM LAKE MEAD	DIVERSION	4	6	8	13	20	23	26	33	23	23	14	7	200
(TEMPLE BAR)	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NAT'L RECREATION, AZ.														
DIVERSIONS FROM LAKE MOHAVE	DIVERSION	12	11	15	22	32	37	48	47	37	33	20	16	330
(DAVIS, KATHERINE, WILLOW BEACH)	RETURNS													
	CONSUMPTIVE USE													
L.C.R.D. PROJECT (DAVIS DAM)														
DIVERSION AT DAVIS DAM	DIVERSION	6	4	8	10	8	9	11	10	10	12	9	4	101
	RETURNS													
	CONSUMPTIVE USE													
BULLHEAD CITY														
PUMPED FROM WELLS	DIVERSION	346	319	412	595	708	716	811	831	579	539	458	423	6737
DIV. AT DAVIS DAM, MOHAVE CO. PARKS	DIVERSION	23	20	4	6	9	13	18	15	9	8	8	5	138
	RETURNS													
	CONSUMPTIVE USE	369	339	416	601	717	729	829	846	588	547	466	428	6875
MOHAVE WATER CONSERVATION														
PUMPED FROM WELLS	DIVERSION	28	23	29	38	44	53	58	55	55	42	39	33	497
	RETURNS													
	CONSUMPTIVE USE													
CONSOLIDATED WATER UTILITIES														
PUMPED FROM RIVER	DIVERSION	20	19	23	28	36	38	41	38	35	30	25	23	356
	RETURNS													
	CONSUMPTIVE USE													
MOHAVE VALLEY I. & D. DISTRICT														
PUMPED FROM WELLS	DIVERSION	473	603	2699	3319	4203	5028	6010	5273	3425	2979	1783	1825	37620
	RETURNS													
	CONSUMPTIVE USE													
FORT MOHAVE INDIAN RESERVATION														
6 PUMPS AND WELLS IN FLOOD PLAIN	DIVERSION 2/3/4	255	1289	4423	6273	7257	9875	11176	7158	4667	3457	2166	1578	59573
	RETURNS													
	CONSUMPTIVE USE													
GOLDEN SHORES WATER CONSERVATION DIST														
PUMPED FROM WELLS	DIVERSION 2/	22	18	30	32	40	49	53	51	40	34	24	23	416
	RETURNS													
	CONSUMPTIVE USE													
HAVASU NATIONAL WILDLIFE REFUGE														
INLET-NW NE NW SEC 33 T9N RSSW G&SRM	DIVERSION	23	0	0	0	2260	10590	9630	7540	4540	4210	2440	0	41233
WELL 8N/23E-15Aa	DIVERSION 2/	8	7	11	12	15	18	20	19	15	13	9	9	156
(TOPOCK MARSH)	RETURNS	0	0	0	0	0	0	0	2460	0	0	0	0	2460
	CONSUMPTIVE USE	31	7	11	12	2275	10608	9650	5099	4555	4223	2449	9	38929
LAKE HAVASU IRRIGATION AND DRAINAGE														
DISTRICT PUMPED FROM WELLS	DIVERSION	599	566	882	929	1286	1190	1711	1303	1284	1162	930	824	12666
	RETURNS													
	CONSUMPTIVE USE													
CENTRAL ARIZONA PROJECT														
PUMPED FROM LAKE HAVASU	DIVERSION	27671	4163	60176	123365	115743	123354	153489	117793	47001	32548	55095	164402	1024800
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
TOWN OF PARKER														
PUMPED FROM RIVER	DIVERSION	0	0	0	0	2	17	28	23	8	0	0	0	78
1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	DIVERSION	43	39	62	84	105	106	107	104	105	93	55	56	959
	RETURNS	0	0	0	0	0	1	1	2	1	0	0	0	5
	CONSUMPTIVE USE	43	39	62	84	107	122	134	125	112	93	55	56	1032
COLORADO RIVER INDIAN RESERVATION														
DIVERSION AT HEADGATE ROCK DAM	DIVERSION	982	9790	57750	68070	73790	81120	87720	70840	45920	38480	29620	39290	603372
1 PUMP FROM RIVER (B-04-22)14 bbd	DIVERSION 2/3/	0	0	0	0	0	0	0	0	0	0	0	0	0
	RETURNS	12459	10232	17507	21640	22312	23996	22677	23875	20902	19771	17740	18368	231479
	CONSUMPTIVE USE	-11477	-442	40243	46430	51478	57124	65043	46965	25018	18709	11880	20922	371893
EHRENBURG IMPROVEMENT ASSN.														
1 PUMP SW SEC 3 T3N R22W G&SRM	DIVERSION	19	15	20	30	34	36	46	40	34	28	20	22	344
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA VALLEY IRRIGATION DISTRICT														
5 PUMPS SEC'S 20, 21 & 26T1N R23W	DIVERSION 2/	40	40	1644	2742	2369	3715	4658	2722	1749	1340	653	473	22145
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA NATIONAL WILDLIFE REFUGE														
3 PUMPS	DIVERSION	635	509	868	937	1146	1389	1515	1458	1146	960	682	671	11916
	RETURNS													
	CONSUMPTIVE USE													
IMPERIAL NATIONAL WILDLIFE REFUGE														
2 WELLS SEC 13 T5S R22W G&SRM	DIVERSION 2/	483	384	655	707	865	1049	1144	1101	865	725	515	507	9000
	RETURNS													
	CONSUMPTIVE USE													
YUMA PROVING GROUND														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	5	4	3	0	0	1	1	2	1	0	0	17
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	5	4	3	0	0	1	1	2	1	0	0	17
STURGES														
DIVERSION AT IMPERIAL DAM	DIVERSION	99	109	342	372	525	621	841	371	186	730	261	260	4717
(WARREN ACT)	RETURNS	44	11	21	15	11	11	12	7	2	16	21	12	183
	CONSUMPTIVE USE	55	98	321	357	514	610	829	364	184	714	240	248	4534
WELLTON MOHAWK I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	2857	10411	19688	32278	29521	35981	36820	30826	35293	27744	20308	18254	299981
	RETURNS	12336	5557	6998	8610	12100	12525	11578	11846	12491	13898	10408	12007	130354
	CONSUMPTIVE USE	-9479	4854	12690	23668	17421	23456	25242	18980	22802	13846	9900	6247	169627
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	1201	1109	1454	1721	2050	2227	2297	2363	2097	1943	1615	1562	21639
DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	43	45	60	54	59	60	64	64	62	36	27	21	595
	RETURNS	748	816	1070	735	1012	808	894	737	545	605	639	683	9292
	CONSUMPTIVE USE	496	338	444	1040	1097	1479	1467	1690	1614	1374	1003	900	12942
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM	DIVERSION	63	89	43	114	224	233	269	224	201	174	86	61	1781
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN PACIFIC COMPANY														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
YUMA MESA FRUIT GROWERS ASSN.														
DIVERSION AT IMPERIAL DAM	DIVERSION	1	1	1	1	1	1	1	1	1	1	1	1	12
	RETURNS													
	CONSUMPTIVE USE													
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM	DIVERSION	30	38	52	85	56	44	69	56	47	92	53	40	662
(WARREN ACT)	RETURNS													
	CONSUMPTIVE USE													
YUMA UNION HIGH SCHOOL														
DIVERSION AT IMPERIAL DAM	DIVERSION	21	27	4	5	4	5	46	41	35	20	15	15	238
	RETURNS													
	CONSUMPTIVE USE													
CAMILLE, ALEC. JR.														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	2	5	0	2	3	4	2	1	0	0	0	19
(WARREN ACT)	RETURNS													
	CONSUMPTIVE USE													
DESERT LAWN MEMORIAL														
DIVERSION AT IMPERIAL DAM	DIVERSION	1	3	9	10	15	20	20	19	16	9	3	2	127
	RETURNS													
	CONSUMPTIVE USE													
NORTH GILA VALLEY IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM 7/	DIVERSION	1138	1915	3838	5175	4213	3553	2405	1764	4607	4883	2587	2533	38611
	RETURNS	972	976	1720	2382	1998	1845	1547	1244	2331	2931	1960	1787	21693
	CONSUMPTIVE USE	166	939	2118	2793	2215	1708	858	520	2276	1952	627	746	16918
YUMA IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM 7/	DIVERSION	1274	1744	4949	6021	5826	3770	3834	3956	7636	6396	4174	2863	52443
PUMPED FROM PRIVATE WELLS	DIVERSION	461	671	823	651	161	736	764	648	860	757	739	812	8083
	RETURNS	1146	1004	1626	1551	1115	1133	1204	1058	1601	1517	1520	1076	15551
	CONSUMPTIVE USE	589	1411	4146	5121	4872	3373	3394	3546	6895	5636	3393	2599	44975
YUMA MESA I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM 7/	DIVERSION	1855	8315	18539	23035	26620	28863	30726	29673	22707	17761	10066	10187	228347
	RETURNS	2948	2986	3951	3682	4226	3790	3436	3096	1652	2450	2567	2581	37365
	CONSUMPTIVE USE	-1093	5329	14588	19353	22394	25073	27290	26577	21055	15311	7499	7606	190982
UNIT "B" I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM 7/	DIVERSION	547	1110	2810	3155	3335	3441	3752	3578	3038	2525	1535	1584	30410
	RETURNS	642	475	655	594	702	623	571	499	277	411	425	441	6315
	CONSUMPTIVE USE	-95	635	2155	2561	2633	2818	3181	3079	2761	2114	1110	1143	24095
YUMA COUNTY WATER USERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	6422	10970	22588	33670	33903	27663	25689	22075	26798	48336	22794	18067	298975
PUMPED FROM WELLS 7F/	DIVERSION	457	489	544	534	453	486	534	443	374	347	559	509	5729
	RETURNS	8976	9780	10548	11811	10588	8697	8560	8600	9545	13188	13384	11207	124884
	CONSUMPTIVE USE	-2097	1679	12584	22393	23768	19452	17663	13918	17627	35495	9969	7369	179820
COCOPAH INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	0	116	188	212	240	21	126	21	158	406	48	52	1588
PUMPED FROM WELLS 7F/	DIVERSION	533	432	733	789	964	1165	1273	1223	963	808	573	564	10020
	RETURNS	0	6	5	4	6	1	4	0	5	9	2	2	44
	CONSUMPTIVE USE	533	542	916	997	1198	1185	1395	1244	1116	1205	619	614	11564
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	RETURNS 5/	4566	4453	3325	3791	4589	4222	4105	4208	3308	3955	3189	1642	45353

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 6/	1866	1495	2549	2752	3365	4079	4449	4282	3364	2819	2003	1971	35013
	RETURNS													
	CONSUMPTIVE USE													
ARIZONA TOTALS	DIVERSION	50565	56925	208946	317853	321513	351401	392308	318089	219997	202508	162016	269553	2871673
	RETURNS	44837	36296	47426	54815	58659	57652	54589	57632	52660	58751	51855	49806	624978
	CONSUMPTIVE USE	5728	20629	161520	263038	262854	293749	337719	260457	167337	143757	110161	219747	2246695

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

1/ No surface returns unless shown.
2/ Reported annual total only, distributed monthly according to nearby users.
3/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.
4/ Calculated using monthly power records.
5/ Pumped from underground and credited as return flow to Yuma Mesa Division but unassigned to disticts as returns.
Includes quantities of drainage from Yuma Mesa, Unit B, as well as from South Gila Valley.
6/ Details on Arizona Supplemental Sheets.
7/ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District, and the Yuma Mesa Irrigation & Drainage District is as follows:

Item	Annual Totals (Acre-Feet)		
Diversion at Imperial Dam A/	319401		
Pumped from wells	8083		
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	5122	*	
Return flow North Gila Valley (6 drains & wasteways)	5801	*	
Return flow South Gila Valley wells (DPOC's)	45353		
Return flow, Yuma Mesa Outlet Drain B/	20630	*	
Return flow protective and regulatory pumping unit C/	5454	*	
Estimated unmeasured groundwater return flow D/	22014		
Return flow share of Gila Main Canal loss E/	15587	*	
Subtotal return flow F/	119961	119962	check sum from above
Consumptive Use (see note above)	207523	207522	check sum from above

(A) Total for the North Gila Valley, The Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts, and 'Unit B'.
(B) Estimated at 85 percent of the Yuma Mesa Outlet Drain with balance credited to 'Unit B'.
(C) Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.
(D) Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
(E) Diversion*milage weighted share of Gila Main Canal loss less canal surface evaporation (1397 acft/yr) and phreatophytes (2154 acft/yr).
(F) Additional unmeasured amounts of return flows from the Yuma Mesa Irrigation and Drainage District, 'Unit B', the Cocopah Indian Reservation, and the Yuma County Water Users Association (YCWUA) are utilized to meet consumptive uses in the United States and in partial satisfaction of the Mexican Treaty obligation. Some of thes underground flows are recovered by pumping from wells on the Cocopah Indian Reservation and in the YCWUA area, and by some of the surface drains in the YCWUA area. Efforts will be made to at least quantify these return flows within broad limits by respective water user entities in future years.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1993
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Rayner, Jack Jr.	(B-04-22)34 DCC(CDD) 3/	218.6	175.1	298.6	322.3	394.1	477.8	521.2	501.6	394.1	330.1	234.6	230.9	4101.0
Rayner, Jack Jr.	(B-04-22)34 DCC(DCD) 3/	25.4	20.4	34.7	37.5	45.8	55.6	60.6	58.3	45.8	38.4	27.3	26.9	477.0
Ehrenberg Water	(B-03-22)03 bac 3/	18.3	14.7	25.0	27.0	33.1	40.1	43.7	42.1	33.1	27.7	19.7	19.4	344.0
Arakelian, George	(B-03-22)16 DBD(DAD) 3/	117.4	94.0	160.3	173.1	211.6	256.5	279.9	269.3	211.6	177.3	126.0	124.0	2202.0
Pratt, L.	Sec14 T7S R22W ABC 2/3/	22.4	17.9	30.6	33.0	40.4	48.9	53.4	51.4	40.4	33.8	24.0	23.6	420.0
Dulin, A.	(C-8-22) 7CCD 3/	21.0	16.8	28.7	31.0	37.9	45.9	50.1	48.2	37.9	31.7	22.5	22.2	394.0
Magco of AZ	(C-8-22) 18CBD 3/	17.2	13.8	23.5	25.4	31.0	37.6	41.1	39.5	31.0	26.0	18.5	18.2	323.0
Magco of AZ	(C-8-22) 24BDD 3/	64.0	51.2	87.4	94.3	115.3	139.8	152.5	146.8	115.3	96.6	68.6	67.6	1200.0
Auza, Pete	SEC24 T08S R22W BDD 3/	69.0	55.3	94.3	101.8	124.4	150.9	164.6	158.4	124.4	104.2	74.1	72.9	1295.0
Auza, Pete	(C-8-22) 18DDD 3/	38.4	30.7	52.4	56.6	69.2	83.9	91.5	88.1	69.2	58.0	41.2	40.5	720
Yowelman, R.	SEC17 T08S R22W CCB 2/3/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Cameron Bros.	SEC24 T08S R22W CCB 3/	26.8	21.5	36.6	39.5	48.3	58.6	63.9	61.5	48.3	40.5	28.8	28.3	503.0
Ott, Judd T.	SEC30 T08S R22W BAB 3/	12.6	10.1	17.3	18.6	22.8	27.6	30.1	29.0	22.8	19.1	13.6	13.3	237.0
Ott, Judd T.	(C-8-22) 19CCA 3/	32.5	26.0	44.3	47.9	58.5	70.9	77.4	74.5	58.5	49.0	34.8	34.3	609.0
Cameron Bros	SEC24 T08S R22W CAD 3/	20.0	16.1	27.4	29.6	36.1	43.8	47.8	46.0	36.1	30.3	21.5	21.2	376.0
Ott	SEC24 T08S R23W DCC 3/	42.1	33.7	57.4	62.0	75.8	91.9	100.3	96.5	75.8	63.5	45.1	44.4	789.0
Peach	SEC22 T08S R23W DDC 3/	7.4	5.9	10.0	10.8	13.3	16.1	17.5	16.9	13.3	11.1	7.9	7.8	138.0
AZ Prod	SEC23 T08S R23W CDA 3/	4.1	3.3	5.6	6.1	7.4	9.0	9.8	9.4	7.4	6.2	4.4	4.3	77.0
Yucca Pwr Plant	SEC36 T16S R12E CBA 3/	19.8	15.8	27.0	29.2	35.7	43.2	47.2	45.4	35.7	29.9	21.2	20.9	371.0
Slade, Dwanee	SEC28 T16S R22E CDA 3/	7.1	5.7	9.7	10.5	12.8	15.5	16.9	16.3	12.8	10.7	7.6	7.5	133.0
Curry Farms	SEC29 T16S R22E DAC 3/	7.2	5.8	9.8	10.6	13.0	15.7	17.2	16.5	13.0	10.9	7.7	7.6	135.0
Power, R.E. & P.	SEC30 T16S R22E ACC 2/3/	151.9	121.7	207.5	224.0	273.9	332.0	362.2	348.6	273.9	229.4	163.0	160.5	2850.0
Hall, Ansil	SEC36 T16S R21E BCB 2/3/	23.0	18.4	31.4	34.0	41.5	50.3	54.9	52.8	41.5	34.8	24.7	24.3	432.0
Burrell	SEC33 T08S R24W BAB 2/3/	16.0	12.8	21.8	23.6	28.8	35.0	38.1	36.7	28.8	24.2	17.2	16.9	300.0
Huerta Packing	16S/21E-25Ha 3/	60.9	48.8	83.1	89.8	109.7	133.0	145.1	139.7	109.7	91.9	65.3	64.3	1142.0
Huerta Packing	16S/21E-25DAD 3/	70.8	56.7	96.7	104.4	127.6	154.7	168.8	162.4	127.6	106.9	76.0	74.8	1328.0
Cocopah Bend RV	16S/22E-30Fb 3/	18.1	14.5	24.8	26.7	32.7	39.6	43.2	41.6	32.7	27.4	19.4	19.1	340.0
Pacific Coast Fm	SEC19 T09S R24W BAD 3/	43.3	34.7	59.1	63.8	78.0	94.6	103.2	99.3	78.0	65.4	46.4	45.7	812.0
Pacific Coast Fm	(C-9-24) 19BDD 3/	37.2	29.8	50.8	54.9	67.1	81.3	88.7	85.4	67.1	56.2	39.9	39.3	698.0
Pacific Coast Fm	(C-9-24) 19BDA 3/	23.3	18.7	31.9	34.4	42.1	51.0	55.7	53.6	42.1	35.3	25.1	24.7	438.0
Consoul, Lee	SEC31 T09S R24W AAA 3/	37.0	29.7	50.6	54.6	66.8	81.0	88.3	85.0	66.8	55.9	39.8	39.1	695.0
Waymon Farms	(C-9-24) 31BBA 3/	33.2	26.6	45.3	48.9	59.8	72.5	79.1	76.1	59.8	50.1	35.6	35.0	622.0
W. Brand-D. Donnely	(C-9-25) 35ABA 2/3/	33.6	26.9	45.9	49.5	60.5	73.4	80.1	77.0	60.5	50.7	36.0	35.5	630.0
J W Cuming	(C-10-25) 1BBA 3/	108.0	86.6	147.6	159.3	194.8	236.1	257.6	247.9	194.8	163.2	115.9	114.1	2027.0
P. Sibley	(C-10-25) 2CDA 2/3/	103.9	83.3	142.0	153.3	187.4	227.2	247.8	238.5	187.4	157.0	111.5	109.8	1950.0
J W Cuming	(C-10-25) 14ADB 3/	44.5	35.6	60.7	65.6	80.1	97.2	106.0	102.0	80.1	67.1	47.7	47.0	834.0
C & J Cummings	(C-10-25) 26BAB 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
J. Barkley	(C-10-25) 35CBA 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
J W Cuming	(C-11-25) 2BBA 3/	49.2	39.4	67.2	72.5	88.7	107.5	117.3	112.9	88.7	74.3	52.8	52.0	923.0
Hughes, Earl	(C-11-25) 3DAC 3/	89.8	71.9	122.7	132.4	161.9	196.3	214.2	206.1	161.9	135.6	96.4	94.9	1685.0
Havasu Water Co. (AZ)	3/	20.0	16.0	27.3	29.5	36.0	43.7	47.7	45.9	36.0	30.2	21.5	21.1	375.0
Hillcrest Water Co.		1.0	1.1	1.3	1.5	2.2	1.9	1.8	2.3	1.5	2.0	1.5	1.0	19.0
Bureau of Land Management		7.9	6.3	10.8	11.7	14.3	17.3	18.9	18.2	14.3	12.0	8.5	8.4	148.5
*** Total Arizona Supplemental ***		1866	1495	2549	2752	3365	4079	4449	4282	3364	2819	2003	1971	35013

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Calculated by assuming an annual diversion rate of 6 ac-ft per acre.
3/ Reported annual total only, distributed monthly according to nearby users.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOHAVE INDIAN RESERVATION														
PUMPED FROM RIVER AND WELLS	DIVERSION 7/	95	0	457	2538	3103	2837	3518	3017	1284	658	798	421	18725
	RETURNS													
	CONSUMPTIVE USE													
CITY OF NEEDLES														
4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	183	144	169	292	407	481	481	477	409	295	230	142	3709
	RETURNS 10/	124	101	117	172	231	260	269	271	235	180	143	105	2207
	CONSUMPTIVE USE	59	44	52	120	176	220	211	206	174	115	87	37	1502
METROPOLITAN WATER DISTRICT														
DIVERSION FROM LAKE HAVASU	DIVERSION	96127	75305	55497	107767	111286	107108	111885	110537	108843	110613	102199	110164	1207331
	RETURNS 2/	348	299	279	296	262	245	247	261	238	259	289	305	3328
	CONSUMPTIVE USE	95779	75006	55218	107471	111024	106863	111638	110276	108605	110354	101910	109859	1204003
PARKER DAM AND GOVERNMENT CAMP														
DIVERSION AT PARKER DAM	DIVERSION	13	13	18	24	30	37	38	35	38	22	9	6	283
	RETURNS													
	CONSUMPTIVE USE													
COLORADO RIVER INDIAN RESERVATION														
PUMPED FROM 11 PUMPS AND WELLS	DIVERSION 4/	0	0	0	0	0	0	0	0	0	0	0	0	0
4 PUMPS BIG RIVER	DIVERSION 4/	50	676	1108	985	860	958	1544	877	116	219	198	196	7787
	RETURNS													
	CONSUMPTIVE USE													
CITY OF WINTERHAVEN														
1 WELL SE SE NE SEC 27 T16S R22E SBM	DIVERSION 6/	6	5	9	9	12	14	15	15	12	10	7	6	120
	RETURNS													
	CONSUMPTIVE USE													
PALO VERDE IRRIGATION DISTRICT														
DIVERSION FROM PALO VERDE DAM	DIVERSION	6340	21130	59510	77360	85030	89130	98220	84860	69170	57410	38690	50250	737100
	RETURNS	17559	24519	29159	33046	37451	38182	39044	40171	37896	38335	33134	34137	402633
	CONSUMPTIVE USE	-11219	-3389	30351	44314	47579	50948	59176	44689	31274	19075	5556	16113	334467
	WATER MANAGEMENT ACCT. CREDITS 8/	60	5067	6348	10104	13412	13412	16631	8733	9120	3487	2652	3963	92989
YUMA PROJECTS, RES. DIV. INDIAN UNIT														
DIVERSION AT IMPERIAL DAM	DIVERSION	988	2337	3886	6319	4774	3664	2772	2931	4214	6548	3728	3314	45475
	RETURNS	62	83	87	97	95	72	64	54	116	122	152	80	1084
	CONSUMPTIVE USE	926	2254	3799	6222	4679	3592	2708	2877	4098	6426	3576	3234	44391
YUMA PROJECTS, RES. DIV. BARD UNIT														
DIVERSION AT IMPERIAL DAM	DIVERSION	408	1619	4896	6672	7033	5371	4828	3650	4537	6177	2870	3449	51510
	RETURNS	13	36	65	61	86	64	69	40	74	69	69	51	697
	CONSUMPTIVE USE	395	1583	4831	6611	6947	5307	4759	3610	4463	6108	2801	3398	50813
RETURNS FROM YUMA PROJECT														
RESERVATION DIVISION RETURNS	RETURNS 3/	3306	1931	2653	2894	3374	3631	3347	2282	2778	4093	3803	3488	37580
SUM YUMA PROJECTS, RES. DIV. USE	CONSUMPTIVE USE	-1985	1906	5977	9939	8252	5268	4120	4205	5783	8441	2574	3144	57624
IMPERIAL IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	41563	98010	304247	351678	331066	313816	326906	307728	254544	250712	149725	156570	2886565
	RETURNS	3798	6777	11878	9628	11611	10740	13005	9895	12041	7874	10495	6675	114417
	CONSUMPTIVE USE	37765	91233	292369	342050	319455	303076	313901	297833	242503	242838	139230	149895	2772148
COACHELLA VALLEY WATER DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	9082	10894	27676	35671	38643	36069	36771	38495	33946	25742	22853	16812	332654
	RETURNS	830	753	1081	977	1355	1234	1463	1238	1606	808	1602	717	13664
	CONSUMPTIVE USE	8252	10141	26595	34694	37288	34835	35308	37257	32340	24934	21251	16095	318990

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 5/	950	1005	2524	2939	2540	2568	2920	2554	2119	2643	1927	1690	26381
	RETURNS													
	CONSUMPTIVE USE													
CALIFORNIA TOTALS	DIVERSION	155805	211138	459998	592254	584784	562053	589897	555176	479232	461048	323233	343020	5317638
	RETURNS	26040	34499	45319	47171	54465	54428	57508	54212	54984	51740	49687	45558	575610
	CONSUMPTIVE USE	129765	176640	414678	545083	530319	507625	532389	500964	424248	409309	273547	297462	4742028
	WATER MANAGEMENT ACCT. CREDITS 8/	60	5067	6348	10104	13412	13412	16631	8733	9120	3487	2652	3963	92989
	TOTAL USE	129825	181707	421026	555187	543731	521037	549020	509697	433368	412796	276199	301425	4835017
WATER CONSERVATION PROGRAM IMPERIAL I. D./METROPOLITAN W. D.	CONSERVED WATER 9/	2500	2886	4232	6349	6349	5772	6349	5194	5002	4425	3463	2309	54830

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

1/ No surface returns unless shown.
2/ Estimate based on measured regulatory reservoirs seepage returns less an estimated amount of phreatophyte use.
3/ Returns unassigned include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the All-American Canal.
4/ Calculated using monthly power records.
5/ Details on California Supplemental Sheets.
6/ Reported annual total only, distributed monthly according to nearby users.
7/ Calculated by, assuming an annual diversion of 6 ac-ft per irrigated acre.
8/ PVID/MWD land fallow test program of 20,215 acres with 4.6 acft/ac of use in 1993. Water is accounted as used in the year saved and stored for the exclusive future use of MWD and not to be additive to current year MWD diversions. Current total account credits deposited less this years diversions of 0 acre-feet is 121290 acre-feet.
9/ IID/MWD Water Conservation Program Phase 1 conserved water made available by IID for diversion in current year by MWD. Amount made available and diverted by MWD in 1990 was 6,110 acre-feet, 1991 was 26,700 acre-feet, and 1992 was 33,929 acre-feet.
10/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California). This years Needles values not reported. Diversion and return values estimated as 110% of 1992 values. Years 1990-1992 revised below.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1993
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Ida Cal	11N/22E -31Cb	2/4/	0.0	0.0	0.0	88.8	103.4	71.5	110.2	103.5	111.3	68.5	64.9	0.8	722.9
Ida Cal	11N/21E -36Hd	2/4/	0.0	0.0	0.0	88.1	94.4	112.8	135.3	108.8	50.7	95.6	48.9	49.5	784.1
Russell Bros.	11N/21E -36Pa		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Southern Cal Gas	9N/23E -29Qa		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Lye, C. L.	1S/24E -16Gb	2/4/	1.6	1.3	2.2	2.4	2.9	3.5	3.8	3.7	2.9	2.4	1.7	1.7	30.0
Land, Ralph	SEC35 T15S R23E DDC		0.0	45.3	52.0	100.6	75.4	33.5	3.4	6.7	58.7	36.9	26.8	10.1	449.4
Living Earth Frm	SEC35 T16S R23E BBC		11.3	4.1	7.3	10.5	9.7	11.3	3.2	13.8	7.3	23.5	30.0	20.5	152.5
Land, Ralph	SEC22 T16S R23E BDD		39.2	67.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	106.4
Power, Pete	SEC14 T16S R23E CCB	2/4/	108.7	87.1	148.5	160.3	196.0	237.7	259.3	249.5	196.0	164.2	116.7	114.9	2040.0
Dulin, A.	(C-8-22) 8DAC	4/	3.3	2.6	4.4	4.8	5.9	7.1	7.8	7.5	5.9	4.9	3.5	3.4	61.0
Dulin, A.	(C-8-22) 9CCC	4/	48.4	38.8	66.1	71.4	87.3	105.8	115.4	111.0	87.3	73.1	51.9	51.1	908.0
Spencer, Mindie	(C-8-22) 6CDA		67.8	87.2	208.9	315.5	250.4	190.9	269.8	171.6	182.6	273.9	208.9	167.4	2394.9
H & S Farms	(C-8-22) 7BAB		25.9	45.8	121.1	217.9	176.4	126.2	192.8	81.3	33.7	138.4	80.4	106.4	1346.3
Ed Wavers Farms	(C-8-22) 6BCD	2/4/	12.8	10.2	17.5	18.9	23.1	28.0	30.5	29.4	23.1	19.3	13.7	13.5	240.0
Ed Wavers Farms	(C-8-22) 6CBD		77.8	93.4	216.2	193.7	167.8	299.2	292.3	211.9	103.8	69.2	138.4	195.4	2059.1
Ed Wavers Farms	(C-8-22) 6CCA		89.1	99.4	209.3	117.6	185.1	211.9	299.2	134.9	109.0	89.1	48.4	122.8	1715.8
Spencer, M.	SEC9 T16S R23E CAC		60.2	18.1	8.8	48.4	53.3	11.6	7.8	58.6	56.6	137.0	85.3	89.9	635.6
Wavers, Edward M.	(C-8-23) 1BBA		17.5	5.8	37.9	23.3	17.5	35.0	43.7	37.9	17.5	11.7	0.0	2.9	250.7
Wavers, Edward M.	(C-8-23) 1BAD		9.4	11.8	28.3	2.4	11.8	47.1	33.0	28.3	2.4	0.0	0.0	2.4	176.9
Schaffer, F. (Harp)	(C-8-23) 2ADC	2/4/	17.6	14.1	24.0	25.9	31.7	38.4	41.9	40.4	31.7	26.6	18.9	18.6	330.0
Taylor Bros	(C-8-23) 2DDA		3.0	1.5	112.5	179.2	151.0	82.9	22.2	51.8	152.5	158.4	54.8	19.3	989.1
Easterday, Kitti	(C-8-23) 1DCC		60.9	2.8	92.7	103.8	16.6	13.8	0.0	0.0	0.0	0.0	0.0	0.0	290.6
Dees, Alex	(C-8-23) 1DAC		23.5	40.1	146.7	193.7	235.2	261.5	289.2	233.8	211.7	127.3	66.4	65.0	1894.1
Harp, P. (R. Harp)	(C-8-23) 12DAC	2/4/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Easterday, K.	(C-8-23) 12CDB		8.4	6.7	232.6	214.0	330.3	337.0	360.6	249.4	188.7	129.8	156.7	59.0	2273.2
Harp, (R. Harp)	(C-8-23) 13AAD	2/4/	32.0	25.6	43.7	47.2	57.7	69.9	76.3	73.4	57.7	48.3	34.3	33.8	600
Smith, F. (P. Power)	(C-8-23) 11DCA		63.6	51.2	121.8	83.0	0.0	2.8	69.2	1.4	76.1	258.7	213.1	41.5	982.4
Valdez, Mike	T16S R23E SEC 30Ec		0.0	42.9	250.4	238.0	43.6	0.0	0.0	161.9	31.8	199.2	160.5	226.9	1355.2
Valdez, Mike	T16S R23E SEC 30Fd		59.5	114.8	222.8	229.7	24.9	0.0	0.0	148.0	124.5	322.4	186.8	152.2	1585.6
Havasu Water Company (CA)	T5N R25E SEC31		2.9	2.4	3.8	4.8	6.3	8.8	9.2	7.6	6.2	5.7	4.3	3.7	65.7
Picacho Develpment Corp			7.6	6.1	10.6	11.0	6.1	6.1	10.3	2.9	12.4	11.0	6.3	13.8	104.2
Wetmore, Kenneth C. 2/3/4/			0.3	0.2	0.4	0.4	0.5	0.6	0.7	0.7	0.5	0.4	0.3	0.3	5.4
Wetmore, Mark M. 2/3/4/			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Sherman, Margaret T. 2/3/4/			1.3	1.0	1.7	1.9	2.3	2.8	3.0	2.9	2.3	1.9	1.4	1.3	23.9
Williams, Jerry 3/			0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	1.2
Lindeman, William H. & Hazel D.		3/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Carney, Jerome D. 3/4/			0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5
Andrade, Dorothy L. 3/4/			0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	1.8
Bureau of Land Management			45.0	36.1	61.5	66.4	81.1	98.4	107.3	103.3	81.1	68.0	48.3	47.5	844.3
*** Total California Supplemental ***			950	1005	2524	2939	2540	2568	2920	2554	2119	2643	1927	1690	26381

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Calculated by assuming an annual diversion rate of 6 ac-ft per acre.
3/ Location of well/pump not reported.
4/ Reported annual total only, distributed monthly according to nearby users.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF NEVADA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BOULDER CANYON PROJECT														
DIVERSION AT HOOVER DAM	DIVERSION	0	8	6	7	11	21	21	0	15	12	7	9	117
	RETURNS													
	CONSUMPTIVE USE													
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	17018	15914	20778	24282	29228	27994	30818	29561	25713	28757	23221	21836	295120
BY USER: BOULDER CITY 4/		226	212	383	561	753	819	989	954	821	648	399	332	7098
HENDERSON 4/		605	687	1250	1985	2627	3020	3683	3501	2986	2329	1439	1016	25127
LAS VEGAS VALLEY W.D. 4/		14865	13870	17511	19574	23047	21368	22796	21713	19126	23187	19684	19012	235752
NORTH LAS VEGAS 4/		1212	1038	1460	1908	2472	2441	2990	3023	2424	2305	1527	1354	24153
NELLIS AIR FORCE BASE 4/		110	106	174	255	329	346	360	370	356	288	171	123	2990
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	41	31	42	60	83	87	100	74	94	81	59	48	800
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE	DIVERSION	16	17	21	13	26	36	43	42	39	34	21	21	329
(COTTONWOOD)	RETURNS													
	CONSUMPTIVE USE													
BASIC MANAGEMENT INC.														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	578	458	541	506	468	563	551	668	613	556	520	510	6532
	RETURNS													
	CONSUMPTIVE USE													
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	766	527	579	585	836	738	772	734	716	708	659	662	8282
	RETURNS													
	CONSUMPTIVE USE													
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	347	347	380	364	376	364	376	369	365	376	366	376	4406
	RETURNS	347	347	380	364	376	364	376	369	365	376	366	376	4406
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF BOULDER CITY														
DIVERSION AT HOOVER DAM	DIVERSION	0	5	10	10	15	17	24	35	18	11	6	6	157
	RETURNS													
	CONSUMPTIVE USE													
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	29	44	53	43	49	65	55	49	59	57	40	51	594
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN CALIFORNIA EDISON														
PUMPED FROM SEC 24 T32S R66E MDB&M	DIVERSION	1259	1080	1034	783	1011	1382	1513	1702	1380	1410	1031	1222	14807
	RETURNS													
	CONSUMPTIVE USE													
BIG BEND WATER DISTRICT														
DIVERSION SEC 12 T32S R66E MDB&M	DIVERSION	259	252	255	330	421	408	466	491	423	401	355	326	4387
	RETURNS													
	CONSUMPTIVE USE													
LAS VEGAS WASH RETURN FLOWS	RETURNS 2/	12322	10471	11660	10998	10421	9589	8960	9585	8283	11189	11652	11623	126753

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF NEVADA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY	DIVERSION 3/	2	1	2	2	3	3	4	4	3	2	2	2	30
	RETURNS													
	CONSUMPTIVE USE													
NEVADA TOTALS	DIVERSION	20315	18684	23701	26985	32527	31678	34743	33729	29438	32405	26287	25069	335561
	RETURNS	12669	10818	12040	11362	10797	9953	9336	9954	8648	11565	12018	11999	131159
	CONSUMPTIVE USE	7646	7866	11661	15623	21730	21725	25407	23775	20790	20840	14269	13070	204402
GROUNDWATER INJECTED STORAGE 5/														
LAS VEGAS VALLEY WATER DIST.	INJECTED	4132	3596	3009	1461	1086	0	0	0	0	1541	3865	5179	23869
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF NORTH LAS VEGAS	INJECTED	122	105	33	16	16	0	0	0	0	140	125	110	667
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

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

1/ No surface returns unless shown.
2/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and as revised.
3/ Details on Nevada Supplemental Sheets.
4/ User deliveries adjusted by weighted use to equal total diversion at Lake Mead.
5/ Beginning of year cumulative injected storage of 47019 AF plus current year increase in injected storage of 24536 AF less current year withdrawls from injected storage of 0 AF yields year end total of 71555 AF injected storage.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1993
STATE OF NEVADA

FINAL RECORDS (ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Sportsman Park (Clark Co. Parks) 2/	1.1	0.9	1.5	1.6	1.9	2.3	2.5	2.4	1.9	1.6	1.1	1.1	20.0
Boy Scouts of America SEC5 T33S R66E 2/	0.5	0.4	0.7	0.8	0.9	1.1	1.2	1.2	0.9	0.8	0.6	0.6	9.8
*** Total Nevada Supplemental ***	2	1	2	2	3	3	4	4	3	2	2	2	30

1/ Calculated from monthly power records and power-discharge measurements where available, otherwise from power-discharge rate.
2/ Reported annual total only, distributed monthly according to nearby users.

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 1993

The following tabulations for calendar year 1993 show records of releases of mainstream water pursuant to orders thereto, 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 diversion 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 1993
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CENTRAL ARIZONA PROJECT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERTED	24136	4737	12859	10853	15193	8368	5450	38641	20684	7852	21881	13435	184089
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	24136	4737	12859	10853	15193	8368	5450	38641	20684	7852	21881	13435	184089
	DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO STORAGE 2/	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	ORDERED BUT NOT DIVERTED	0	530	0	936	1170	2876	1894	2821	1454	930	688	809	14108
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	345	0	821	345	2251	1246	1474	732	672	541	192	8619
	DIVERTED BY OTHERS	0	185	0	115	825	625	648	1347	722	258	147	617	5489
	DELIVERED TO STORAGE 2/	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	1876	1476	2112	2279	3007	1444	2356	1422	1803	3416	2850	1793	25834
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	208	476	692	1220	924	801	1301	214	966	772	391	545	8510
	DIVERTED BY OTHERS	1378	960	1420	1059	2083	643	1055	1208	837	2644	2459	1248	16994
	DELIVERED TO STORAGE 2/	290	40	0	0	0	0	0	0	0	0	0	0	330
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
STURGES (WARREN ACT) 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/	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
WELLTON-MOHAWK I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	2955	3779	3285	1634	3747	2182	2023	5584	5024	5599	6928	2378	45118
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	244	159	555	226	434	700	476	615	284	603	208	262	4766
	DIVERTED BY OTHERS	2183	3432	2730	1408	3313	1482	1547	4969	4740	4996	6720	2116	39636
	DELIVERED TO STORAGE 2/	528	188	0	0	0	0	0	0	0	0	0	0	716
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	430	647	210	123	204	252	109	260	363	415	855	506	4374
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	20	54	89	79	28	155	42	32	161	63	36	147	906
	DIVERTED BY OTHERS	192	571	121	44	176	97	67	228	202	352	819	359	3228
	DELIVERED TO STORAGE 2/	218	22	0	0	0	0	0	0	0	0	0	0	240
	DELIVERED TO MEXICO IN EXCESS OF TREATY													

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 1993
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YUMA MESA I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	811	2959	2271	3529	1904	1285	1950	1386	2557	3251	3838	1507	27248
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	79	444	740	1970	282	627	859	276	708	460	488	214	7147
	DELIVERED TO STORAGE 2/	573	2156	1531	1559	1622	658	1091	1110	1849	2791	3350	1293	19583
	DELIVERED TO MEXICO IN EXCESS OF TREATY	159	359	0	0	0	0	0	0	0	0	0	0	518
UNIT "B" I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	381	587	307	526	383	422	468	563	778	460	799	343	6017
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	34	177	8	220	73	119	252	186	105	87	77	123	1461
	DELIVERED TO STORAGE 2/	240	354	299	306	310	303	216	377	673	373	722	220	4393
	DELIVERED TO MEXICO IN EXCESS OF TREATY	107	56	0	0	0	0	0	0	0	0	0	0	163
YUMA COUNTY WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	1470	3398	4778	2360	4814	2087	4608	3796	3798	2212	8037	5947	47305
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	377	766	2775	1424	3055	1726	3033	1706	2067	1139	2942	2341	23351
	DELIVERED TO STORAGE 2/	163	2420	2003	936	1759	361	1575	2090	1731	1073	5095	3606	22812
	DELIVERED TO MEXICO IN EXCESS OF TREATY	930	212	0	0	0	0	0	0	0	0	0	0	1142
ARIZONA TOTALS	ORDERED BUT NOT DIVERTED	32059	18113	25822	22240	30422	18916	18858	54473	36461	24135	45876	26718	354093
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	962	2421	4859	5960	5141	6379	7209	4503	5023	3796	4683	3824	54760
	DELIVERED TO STORAGE 2/	28865	14815	20963	16280	25281	12537	11649	49970	31438	20339	41193	22894	296224
	DELIVERED TO MEXICO IN EXCESS OF TREATY	2232	877	0	0	0	0	0	0	0	0	0	0	3109

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 1993
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERTED	4749	11758	3352	2328	323	1699	1103	1721	1043	1940	1346	2388	33750
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS													
	DELIVERED TO STORAGE 1/	4749	11758	3352	2328	323	1699	1103	1721	1043	1940	1346	2388	33750
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	ORDERED BUT NOT DIVERTED	8376	85	1141	1801	2356	2698	1111	2212	952	119	857	1355	23063
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	1325	36	524	1148	1859	2263	559	859	645	103	549	490	10360
	DELIVERED TO STORAGE 1/	7051	35	617	653	497	435	552	1353	307	16	308	865	12689
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	14	0	0	0	0	0	0	0	0	0	0	14
YUMA PROJECT RES. DIVISION DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	5022	2168	506	454	1628	726	1934	2811	1390	309	3471	1414	21833
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	871	545	280	369	899	672	1349	1537	787	202	1357	516	9384
	DELIVERED TO STORAGE 1/	2925	1538	226	85	729	54	585	1274	603	107	2114	898	11138
	DELIVERED TO MEXICO IN EXCESS OF TREATY	1226	85	0	0	0	0	0	0	0	0	0	0	1311
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	7545	7131	10098	2275	2436	657	2023	1281	1144	609	9039	7103	51341
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	668	714	2779	1291	990	464	783	355	309	286	724	960	10323
	DELIVERED TO STORAGE 1/	4025	5881	7319	984	1446	193	1240	926	835	323	8315	6143	37630
	DELIVERED TO MEXICO IN EXCESS OF TREATY	2852	536	0	0	0	0	0	0	0	0	0	0	3388
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	1918	1553	204	103	117	246	109	56	103	242	452	549	5652
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	198	442	119	103	50	232	28	18	77	194	129	298	1888
	DELIVERED TO STORAGE 1/	1335	1010	85	0	67	14	81	38	26	48	323	251	3278
	DELIVERED TO MEXICO IN EXCESS OF TREATY	385	101	0	0	0	0	0	0	0	0	0	0	486
CALIFORNIA TOTALS	ORDERED BUT NOT DIVERTED	27610	22695	15301	6961	6860	6026	6280	8081	4632	3219	15165	12809	135639
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS	3062	1737	3702	2911	3798	3631	2719	2769	1818	785	2759	2264	31955
	DELIVERED TO STORAGE 1/	20085	20222	11599	4050	3062	2395	3561	5312	2814	2434	12406	10545	98485
	DELIVERED TO MEXICO IN EXCESS OF TREATY	4463	736	0	0	0	0	0	0	0	0	0	0	5199

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 1993

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1993

FINAL RECORDS (ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
ACTUAL DELIVERY IN SATISFACTION OF TREATY	265563	595099	1339906	937821	563720	317014	216066	176908	179522	212967	224653	163533	5192772
TO MEXICO AS SCHEDULED	136548	143430	159095	142699	110782	117136	151813	124245	111858	69721	98906	133767	1500000
TO MEXICO IN EXCESS OF SCHEDULE 1/	129015	451669	1180811	795122	452938	199878	64253	52663	67664	143246	125747	29766	3692772
BYPASS PURSUANT TO MINUTE 242	7090	9953	14202	10839	8747	1805	3014	2964	1238	1294	180	112	61438

1/ Water that is lost to the United States through releases into the Colorado River at above Morelos Dam in excess of Lower Basin delivery orders and Mexican Treaty requirements. These excess waters exceed water orders in Mexico and are generally not diverted for beneficial use in Mexico.

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 1993

DIVERSIONS FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 1993

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

1/ Zero diversions reported for 1993.

R E V I S I O N S

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

REVISIONS FOR CALENDAR YEARS 1990, 1991, AND 1992

REVISION 1990

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1990
STATE OF CALIFORNIA

REVISED RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
CITY OF NEEDLES														
4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	174	140	238	257	314	381	416	400	314	263	187	184	3267
	RETURNS 10/	104	85	125	137	168	201	223	219	167	153	130	123	1834
	CONSUMPTIVE USE	71	55	113	120	146	179	192	181	147	110	57	61	1433
CALIFORNIA TOTALS														
	DIVERSION	304797	361092	497763	564799	618750	577180	629775	568094	486523	455000	380995	361764	5806532
	RETURNS	38403	36433	44254	48327	52898	47552	58590	54876	55035	55155	48528	48859	588909
	CONSUMPTIVE USE	266394	324659	453509	516473	565852	529628	571185	513219	431489	399845	332468	312905	5217623

10/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California).

REVISION 1991

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1991
STATE OF CALIFORNIA

REVISED RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
CITY OF NEEDLES														
4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	162	165	180	288	385	422	428	373	276	268	182	137	3266
	RETURNS 10/	98	94	105	140	194	216	227	207	162	152	116	99	1810
	CONSUMPTIVE USE	64	71	75	148	191	206	201	166	114	116	66	38	1456
CALIFORNIA TOTALS														
	DIVERSION	281911	363742	378842	569359	616122	582813	623139	569084	477711	490122	376181	257223	5586249
	RETURNS	40968	39217	43323	44080	50264	47862	53902	53783	54723	57748	51997	44597	582464
	CONSUMPTIVE USE	240943	324525	335519	525279	565858	534951	569237	515301	422987	432374	324184	212626	5003784

10/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California).

REVISION 1992

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1992
STATE OF CALIFORNIA

REVISED RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
CITY OF NEEDLES														
4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	166	131	154	265	370	437	437	434	372	268	209	129	3372
	RETURNS 10/	112	91	107	156	210	237	245	247	214	163	130	96	2007
	CONSUMPTIVE USE	54	40	47	109	160	200	192	187	158	105	79	33	1365
CALIFORNIA TOTALS	DIVERSION	278646	277247	366394	520931	587881	559850	580615	455651	423273	437161	364472	263241	5115362
	RETURNS	36970	40704	46423	51426	62752	56142	54182	55243	51601	51559	45632	46962	599595
	CONSUMPTIVE USE	241676	236542	319971	469505	525129	503708	526433	400408	371672	385602	318841	216280	4515768
	WATER MANAGEMENT ACCT. CREDITS 8/	0	0	0	0	0	0	0	11992	7179	3258	2220	3652	28301
	TOTAL USE	241676	236542	319971	469505	525129	503708	526433	412400	378851	388860	321061	219932	4544069

8/ PVID/MWD land fallow test program of 20,215 acres with 1.4 acft/ac of use in 1992. Water is accounted as used in the year saved and stored for the exclusive future use of MWD and not to be additive to current year MWD diversions.

10/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California).

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COMPILATION OF RECORDS IN

ACCORDANCE WITH ARTICLE V OF THE

DECREE OF THE SUPREME COURT OF

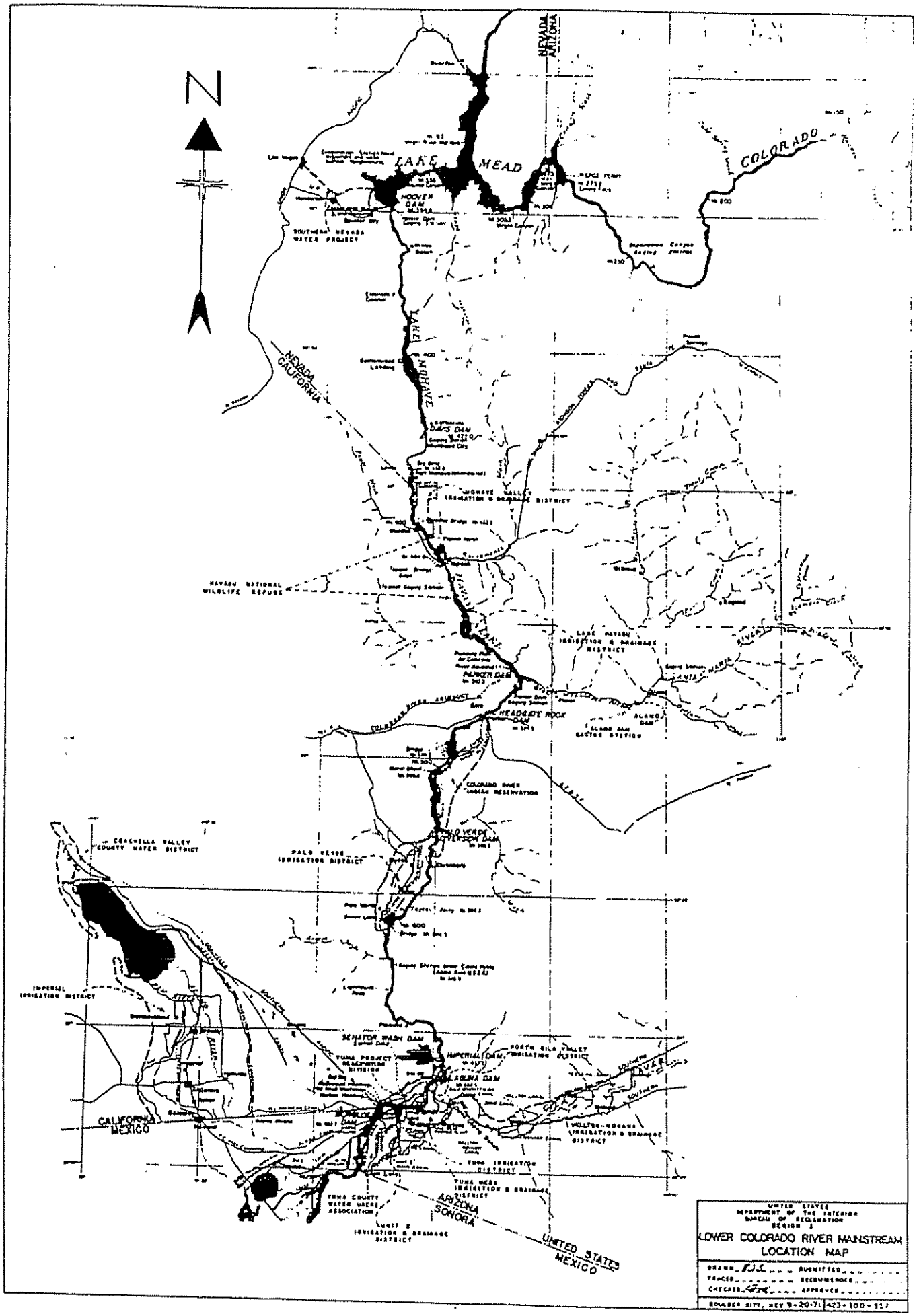
THE UNITED STATES IN

ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

CALENDAR YEAR 1994

Bureau of Reclamation

Lower Colorado Region
Boulder City, Nevada


N
NEVADA
ARIZONA
LAKE MEAD
COLORADO
HOOVER DAM
SOUTHERN NEVADA WATER PROJECT
LAKE MOHAVE
NEVADA
CALIFORNIA
DAVIS DAM
MOHAVE VALLEY IRRIGATION & DRAINAGE DISTRICT
HAVASU NATIONAL WILDLIFE REFUGE
LAKE HAVASU IRRIGATION & DRAINAGE DISTRICT
PARKER DAM
HEADGATE ROCK DAM
ALAMO DAM
ALAMO DAM GAGING STATION
COLORADO RIVER INDIAN RESERVATION
PALO VERDE DIVERSION DAM
PALO VERDE IRRIGATION DISTRICT
COACHELLA VALLEY COUNTY WATER DISTRICT
IMPERIAL IRRIGATION DISTRICT
SENATOR WASH DAM
YUMA PROJECT RESERVATION DIVISION
IMPERIAL DAM
NORTH GILA VALLEY IRRIGATION DISTRICT
LAGUNA DAM
CALIFORNIA
MEXICO
WELLTON-MOHAWK IRRIGATION & DRAINAGE DISTRICT
YUMA IRRIGATION DISTRICT
YUMA MESA IRRIGATION & DRAINAGE DISTRICT
YUMA COUNTY WATER USERS ASSOCIATION
UNIT B IRRIGATION & DRAINAGE DISTRICT
ARIZONA
SONORA
UNITED STATES
MEXICO
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
REGION 3
LOWER COLORADO RIVER MAINSTREAM
LOCATION MAP
DRAWN
SUBMITTED
TRACED
RECOMMENDED
CHECKED
APPROVED
BOULDER CITY, NEV. 9-20-71
423-300-951

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S U M M A R Y
WATER SUPPLY, CONSUMPTIVE USE, DELIVERY TO MEXICO, AND SYTEM LOSS
CALENDAR YEAR 1994

FINAL RECORDS (THOUSAND ACRE-FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER USE SUMMARY													
ARIZONA	162.6	104.9	237.3	252.0	234.5	199.8	206.8	197.6	132.3	179.1	191.7	53.8	2152.4
CALIFORNIA	292.3	269.1	443.7	563.9	535.4	556.0	578.1	540.5	451.8	428.4	320.4	254.4	5234.1
NEVADA	13.3	11.8	16.3	18.9	22.8	24.6	24.9	23.6	20.2	22.7	16.2	12.3	227.5
STATES SUBTOTAL	468.2	385.8	697.4	834.8	792.7	780.4	809.8	761.7	604.3	630.1	528.3	320.6	7614.0
UNMEASURED RETURNS 1/	17.7	17.9	21.6	22.0	26.2	21.6	20.3	20.6	21.4	22.4	20.6	21.5	253.8
TOTAL STATES	450.5	367.8	675.8	812.8	766.5	758.8	789.5	741.1	582.9	607.7	507.7	299.1	7360.2
MEXICO IN SATISFACTION OF TREATY	125.0	154.1	205.0	175.2	133.0	124.1	127.4	110.8	101.3	73.6	85.9	110.0	1525.5
MEXICO BYPASS PURSUANT TO MINUTE 242	6.4	12.8	12.4	11.6	12.6	8.7	6.0	8.4	11.2	10.3	12.5	11.7	124.4
USE TOTAL	599.6	552.7	914.7	1021.6	938.3	913.2	943.2	880.8	716.8	714.1	626.7	442.3	9264.0
END OF MONTH ACTIVE CONTENTS:													
LAKE POWELL	18122	17846	17785	17720	18628	19245	18724	18090	17772	17684	17516	17221	
LAKE MEAD	21510	21632	21291	20803	20359	20065	20005	19909	19930	19852	19575	19689	
LAKE MOHAVE	1630	1643	1665	1712	1772	1679	1577	1581	1468	1364	1462	1648	
LAKE HAVASU	554	538	577	569	606	598	576	577	584	546	561	578	
LOWER BASIN TOTAL STORAGE	23693	23814	23533	23084	22737	22341	22158	22067	21981	21762	21598	21915	

1/ Estimated total unmeasured return 253,798 acre-feet reduces total Lower Basin use below 7.5 million acre-feet. Estimated unmeasured return by state is 207,415 af in Arizona, 44,669 af in California, and 1,714 af in Nevada.

ARTICLE V OF THE DECREE OF THE SUPREME COURT

OF THE UNITED STATES

IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

Article V

V. The United States shall prepare and maintain, or provide for the preparation and maintenance of, and shall make available, annually and at such shorter intervals as the Secretary of the Interior shall deem necessary or advisable, for inspection by interested persons at all reasonable times and at a reasonable place or places, complete, detailed and accurate records of:

(A) Releases of water through regulatory structures controlled by the United States;

(B) Diversions of water from the mainstream, return flow of such water to the stream as is available for consumptive use in the United States or in satisfaction of the Mexican treaty obligation, and consumptive use of such water. These quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(C) Releases of mainstream water pursuant to orders therefor but not diverted by the party ordering the same, and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of rights decreed herein. Theses quantities shall be stated separately as to each diverter from the mainstream, each point of diversion, and each of the States of Arizona, California and Nevada;

(D) Deliveries to Mexico of water in satisfaction of the obligations of Part III of the Treaty of February 3, 1944, and separately stated, water passing to Mexico in excess of treaty requirements;

(E) 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.

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 1994

The following tabulations for calendar year 1994 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 river flow 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 "Diversions for Colorado River Indian Reservation Main Canal near Parker, Arizona." The diversions are made at Headgate Rock Dam.

RELEASES OF WATER THROUGH REGULATORY STRUCTURES
CONTROLLED BY THE UNITED STATES
CALENDAR YEAR 1994

FINAL RECORDS

(THOUSAND ACRE-FEET)

STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	800.6	693.8	619.2	626.0	611.4	632.5	854.9	873.5	634.4	516.4	520.0	684.5	8067.2
HOOVER DAM	612.3	581.8	1003.0	1102.0	1036.0	832.5	831.2	896.6	576.4	558.3	730.1	591.7	9351.9
DAVIS DAM	585.7	559.6	963.6	1035.0	950.9	928.9	929.5	873.3	681.6	662.0	594.4	380.9	9145.4
PARKER DAM	352.8	422.0	670.4	813.5	718.0	768.8	790.3	714.9	549.9	490.1	339.8	255.1	6885.6
HEADGATE ROCK DAM 1/	331.1	384.0	621.3	749.3	646.2	681.3	703.5	629.2	492.8	447.8	309.6	225.0	6221.1
PALO VERDE DAM	287.5	320.9	563.8	662.0	573.1	599.6	622.1	552.4	428.9	395.5	270.0	194.9	5470.7
IMPERIAL DAM	15.5	21.0	29.9	22.9	40.2	20.8	22.5	30.1	20.1	15.5	16.8	19.9	275.1
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL	0.9	0.8	0.9	1.1	1.1	1.0	1.1	1.1	1.0	1.1	0.7	0.9	11.5
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	16.4	21.8	30.8	24.0	41.2	21.8	23.6	31.2	21.1	16.6	17.5	20.8	286.6
LAGUNA DAM	16.8	24.1	37.4	25.7	36.3	22.6	20.8	26.5	22.2	18.7	17.8	24.9	293.6

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

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 1994

The following tabulations for calendar year 1994 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. 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, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations also show quantities of water pumped from the mainstream or from wells in the Colorado River flood plain. Amounts diverted by pumping were determined by: (1) For most electric pumps, diversions were 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 and some electric pumps, a consumptive use factor of 6 acre-feet per irrigated acre per year was used.

There are undetermined amounts of unmeasured return flow reaching the Colorado River by means of flow through aquifers connecting water use areas to the mainstream. Reclamation, working with the U.S. Geological Survey, is continuing the research and investigative program to determine the amounts of such unmeasured return flows.

Tabulations for calendar year 1994 do include acceptable determinations of the unmeasured Colorado River return flows to Lake Mead from Las Vegas Wash which accrue the State of Nevada and a portion of the unmeasured return flows from the Yuma Mesa which are credited to the State of Arizona.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The recording of diversions, return flows, or consumptive use in this tabulation is for statistical use only and is not to be interpreted as an entitlement, indication that the use is authorized, or imply that return flow credits are associated with a specific entitlement.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1994
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FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MEAD (TEMPLE BAR)	DIVERSION	8	9	15	19	20	27	26	21	21	18	11	5	200
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (DAVIS, KATHERINE, WILLOW BEACH)	DIVERSION	15	13	29	25	30	42	42	41	35	32	18	15	337
	RETURNS													
	CONSUMPTIVE USE													
L.C.R.D. PROJECT (DAVIS DAM) DIVERSION AT DAVIS DAM	DIVERSION	3	3	6	8	9	9	9	13	10	8	8	8	94
	RETURNS													
	CONSUMPTIVE USE													
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	347	320	415	598	714	721	816	836	585	551	469	428	6800
DIV. AT DAVIS DAM, MOHAVE CO. PARKS	DIVERSION	4	3	7	8	5	13	13	11	12	8	4	2	90
	RETURNS													
	CONSUMPTIVE USE	351	323	422	606	719	734	829	847	597	559	473	430	6890
MOHAVE WATER CONSERVATION PUMPED FROM WELLS	DIVERSION	36	32	40	41	48	59	57	47	45	40	35	28	508
	RETURNS													
	CONSUMPTIVE USE													
CONSOLIDATED WATER UTILITIES PUMPED FROM RIVER	DIVERSION	24	21	24	29	33	41	45	40	36	31	26	23	373
	RETURNS													
	CONSUMPTIVE USE													
MOHAVE VALLEY I. & D. DISTRICT PUMPED FROM WELLS	DIVERSION	1626	1799	3546	3483	3996	5823	6733	5900	3824	2652	1809	1237	42428
	RETURNS													
	CONSUMPTIVE USE													
FORT MOHAVE INDIAN RESERVATION 6 PUMPS AND WELLS IN FLOOD PLAIN	DIVERSION 2/3/4	2747	2328	4343	4197	5530	9200	10105	9101	4188	3129	2362	1611	58843
	RETURNS													
	CONSUMPTIVE USE													
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	DIVERSION 2/	29	23	39	42	51	63	68	65	51	43	31	30	535
	RETURNS													
	CONSUMPTIVE USE													
HAVASU NATIONAL WILDLIFE REFUGE INLET-NW NE NW SEC 33 T9N RSSW G&SRM	DIVERSION 8/	-115	-50	3518	9048	7915	9342	9051	8312	5350	4020	2200	574	59165
WELL 8N/23E-15Aa	DIVERSION 2/	6	5	8	8	10	12	14	13	10	9	6	6	107
(TOPOCK MARSH)	RETURNS	0	0	0	674	4300	4170	3410	0	0	0	0	0	12554
	CONSUMPTIVE USE	-109	-45	3526	8382	3625	5184	5655	8325	5360	4029	2206	580	46718
LAKE HAVASU IRRIGATION AND DRAINAGE DISTRICT PUMPED FROM WELLS	DIVERSION	790	741	906	1043	1247	1306	1794	1552	1406	1234	964	794	13777
	RETURNS													
	CONSUMPTIVE USE													
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	DIVERSION	116016	43526	126251	96367	90029	8467	15889	12911	5931	67450	128382	20379	731598
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
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WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
TOWN OF PARKER	DIVERSION	0	0	0	0	0	18	12	8	0	0	0	0	38
PUMPED FROM RIVER	DIVERSION	58	52	68	86	105	120	123	128	118	88	63	86	1095
1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	RETURNS	0	0	0	0	0	2	1	2	0	0	0	0	5
	CONSUMPTIVE USE	58	52	68	86	105	136	134	134	118	88	63	86	1128
COLORADO RIVER INDIAN RESERVATION	DIVERSION	21680	38040	49110	64200	71770	87460	86830	85740	57090	42310	30190	30130	664550
DIVERSION AT HEADGATE ROCK DAM	DIVERSION 2/3/	25	172	318	400	964	1038	1510	1073	1391	964	639	430	8923
1 PUMP FROM RIVER (B-04-22)14 bbd	RETURNS	14086	17758	22395	21851	23028	22903	24470	24934	24380	21548	18445	17950	253748
	CONSUMPTIVE USE	7619	20454	27033	42749	49706	65595	63870	61879	34101	21726	12384	12610	419725
EHRENBURG IMPROVEMENT ASSN.	DIVERSION	21	20	22	29	35	44	45	45	39	32	25	22	379
1 PUMP SW SEC 3 T3N R22W G&SRM	RETURNS													
	CONSUMPTIVE USE													
CIBOLA VALLEY IRRIGATION DISTRICT	DIVERSION 2/	1575	1262	2152	2323	2841	3444	3760	3615	2841	2380	1690	1663	29546
5 PUMPS SEC'S 20, 21 & 26T1N R23W	RETURNS													
	CONSUMPTIVE USE													
CIBOLA NATIONAL WILDLIFE REFUGE	DIVERSION	1007	1143	405	729	646	773	756	686	1193	691	398	345	8772
3 PUMPS	RETURNS													
	CONSUMPTIVE USE													
IMPERIAL NATIONAL WILDLIFE REFUGE	DIVERSION 2/	480	384	655	707	865	1049	1145	1102	866	725	515	507	9000
2 WELLS SEC 13 T5S R22W G&SRM	RETURNS													
	CONSUMPTIVE USE													
YUMA PROVING GROUND	DIVERSION	0	1	0	0	1	7	1	1	0	4	2	0	17
DIVERSION AT IMPERIAL DAM	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	1	0	0	1	7	1	1	0	4	2	0	17
STURGES	DIVERSION	197	300	532	477	488	688	760	711	466	529	175	179	5502
DIVERSION AT IMPERIAL DAM	RETURNS	13	14	14	15	11	13	4	12	20	17	0	15	148
(WARREN ACT)	CONSUMPTIVE USE	184	286	518	462	477	675	756	699	446	512	175	164	5354
WELLTON MOHAWK I. & D. DISTRICT	DIVERSION	16432	21642	32297	42269	34621	44081	43355	38669	32759	30147	20895	14522	371689
DIVERSION AT IMPERIAL DAM	GGMC RETURN	1167	1137	969	1513	840	946	237	728	1597	1062	-28	1360	11528
	DOME RETURN	0	0	0	0	0	5617	2470	651	423	960	1075	1926	13122
	MOO RETURN	9910	8238	11080	10730	13390	1620	2490	5710	6860	7650	8610	8500	94788
	RETURNS, TOTAL	11077	9375	12049	12243	14230	8183	5197	7089	8880	9672	9657	11786	119438
	CONSUMPTIVE USE	5355	12267	20248	30026	20391	35898	38158	31580	23879	20475	11238	2736	252251
CITY OF YUMA	DIVERSION	1729	1659	1757	1849	2036	2332	2503	2571	2343	2146	1826	1732	24483
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	30	27	32	32	33	39	44	44	39	32	27	32	411
DIVERSION AT IMPERIAL DAM (GILA)	RETURNS	954	1013	885	762	792	815	812	849	943	935	832	974	10566
	CONSUMPTIVE USE	805	673	904	1119	1277	1556	1735	1766	1439	1243	1021	790	14328
MARINE CORPS AIR STATION (YUMA)	DIVERSION	67	66	156	170	202	267	271	238	213	139	21	6	1816
DIVERSION AT IMPERIAL DAM	RETURNS													
	CONSUMPTIVE USE													

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FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
SOUTHERN PACIFIC COMPANY DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	RETURNS													
	CONSUMPTIVE USE													
YUMA MESA FRUIT GROWERS ASSN. DIVERSION AT IMPERIAL DAM	DIVERSION	1	1	1	1	1	1	1	1	1	1	1	1	12
	RETURNS													
	CONSUMPTIVE USE													
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	52	38	84	76	88	99	82	109	41	80	50	38	837
	RETURNS													
	CONSUMPTIVE USE													
YUMA UNION HIGH SCHOOL DIVERSION AT IMPERIAL DAM	DIVERSION	0	20	13	16	7	11	7	54	18	8	6	3	163
	RETURNS													
	CONSUMPTIVE USE													
CAMILLE, ALEC. JR. DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	4	0	3	3	5	3	7	0	5	0	2	0	32
	RETURNS													
	CONSUMPTIVE USE													
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM	DIVERSION	5	8	11	14	13	18	21	16	13	11	6	1	137
	RETURNS													
	CONSUMPTIVE USE													
NORTH GILA VALLEY IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION	3038	3029	4397	5155	4742	3996	2900	2353	4255	5019	2840	2300	44024
	RETURNS	1820	1706	2239	2644	2593	2095	1613	1342	2305	2973	1841	1557	24728
	CONSUMPTIVE USE	1218	1323	2158	2511	2149	1901	1287	1011	1950	2046	999	743	19296
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION	2762	3577	5288	6323	4910	3602	3103	3604	6413	4957	3572	2747	50858
PUMPED FROM PRIVATE WELLS	DIVERSION	473	783	1069	745	818	772	977	708	735	750	591	752	9173
	RETURNS	900	1184	1488	1575	1324	1234	997	1125	1847	1331	804	1182	14991
	CONSUMPTIVE USE	2335	3176	4869	5493	4404	3140	3083	3187	5301	4376	3359	2317	45040
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION	12108	9862	16670	22081	24617	29876	30273	30994	21912	18418	12835	7844	237490
	RETURNS	3285	3273	3677	3908	3567	3345	2461	3226	3309	2575	2187	3815	38628
	CONSUMPTIVE USE	8823	6589	12993	18173	21050	26531	27812	27768	18603	15843	10648	4029	198862
UNIT "B" I. & D. DISTRICT DIVERSION AT IMPERIAL DAM 7/7E/	DIVERSION	1663	1300	2406	2785	3050	3800	3629	4208	2586	2306	1591	1427	30751
	RETURNS	535	546	627	636	587	547	422	537	500	409	387	679	6412
	CONSUMPTIVE USE	1128	754	1779	2149	2463	3253	3207	3671	2086	1897	1204	748	24339
YUMA COUNTY WATER USERS ASSOCIATION DIVERSION AT IMPERIAL DAM	DIVERSION	16635	16620	30501	37025	34910	29007	22933	26741	22402	40413	25823	15477	318487
PUMPED FROM WELLS 7E/	DIVERSION	398	334	542	565	519	558	697	655	573	624	517	574	6556
	RETURNS	10067	8255	9282	9347	14717	8590	8214	8477	7340	12311	12395	10949	119944
	CONSUMPTIVE USE	6966	8699	21761	28243	20712	20975	15416	18919	15635	28726	13945	5102	205099

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
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FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
COCOPAH INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	48	22	104	210	0	292	272	27	110	0	67	51	1203
PUMPED FROM WELLS 7E/	DIVERSION	879	551	1167	1480	1516	1981	1769	1871	1930	404	491	588	14626
	RETURNS	2	1	3	5	0	6	7	1	3	0	3	3	34
	CONSUMPTIVE USE	925	572	1268	1685	1516	2267	2034	1897	2037	404	555	636	15795
YUMA AREA OFFICE, USBR														
DIVERSION FROM MODE & WELL NO.8	DIVERSION 2/	78	62	106	115	140	170	187	180	140	118	84	82	1462
	RETURNS	77	62	105	114	139	169	185	178	139	117	83	82	1450
	CONSUMPTIVE USE	1	0	1	1	1	1	2	2	1	1	1	0	12
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	RETURNS 5/	1997	2997	2350	2123	2814	2602	2014	3053	3354	4330	4778	5329	37741
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 6/	4443	1346	3414	3091	3027	3793	3975	3375	3293	2765	1853	1488	35863
	RETURNS													
	CONSUMPTIVE USE													
ARIZONA TOTALS	DIVERSION	207428	151098	292430	307876	302612	254468	256614	248394	185293	235289	243124	108171	2792797
	RETURNS	44813	46184	55114	55897	68102	54674	49807	50825	53020	56218	51412	54321	640387
	CONSUMPTIVE USE	162615	104914	237316	251979	234510	199794	206807	197569	132273	179071	191712	53850	2152410

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

1/ No surface returns unless shown.
2/ Reported annual total only, distributed monthly according to nearby users.
3/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.
4/ Calculated using monthly power records.
5/ Pumped from underground and credited as return flow to Yuma Mesa Division but unassigned to disticts as returns.
Includes quantities of drainage from Yuma Mesa, Unit B, as well as from South Gila Valley.
6/ Details on Arizona Supplemental Sheets.
7/ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District, and the Yuma Mesa Irrigation & Drainage District is as follows:

Item	Annual Totals (Acre-Feet)	
Diversion at Imperial Dam A/	332372	
Pumped from wells	9173	
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	5609 *	
Return flow North Gila Valley (6 drains & wasteways)	7120 *	
Return flow South Gila Valley wells (DPOC's)	37741	
Return flow Yuma Mesa Outlet Drain B/	13146 *	
Return flow protective and regulatory pumping unit C/	15892 *	
Estimated unmeasured groundwater return flow D/	23849	
Return flow share of Gila Main Canal loss E/	12731 *	
Subtotal return flow E/	116088	116088 check from above
Consumptive Use (see note above)	225457	225457 check from above

(A) Total for the North Gila Valley, The Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts, and 'Unit B'.
(B) Estimated at 85 percent of the Yuma Mesa Outlet Drain with balance credited to 'Unit B'.
(C) Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.
(D) Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
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Lower Colorado River in the Yuma Area')

(E) Diversion*milage weighted share of Gila Main Canal loss less canal surface evaporation (1397 af/yr) and prheotophytes (2154 af/yr).

(F) Additional unmeasured amounts of return flows from the Yuma Mesa Irrigation and Drainage District, 'Unit B', the Cocopah Indian Reservation, and the Yuma County Water Users Association (YCWUA) are utilized to meet consumptive uses in the United States and in partial satisfaction of the Mexican Treaty obligation. Some of thes underground flows are recovered by pumping from wells on the Cocopah Indian Reservation and in the YCWUA area, and by some of the surface drains in the YCWUA area. Efforts will be made to at least quantify these return flows within broad limits by respective water user entities in future years.

8/ Diversion adjusted for delivery to Mohave Valley I. D. D. (Chesney).

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1994
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FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Havasu Water Co. of AZ (Citizens Utilities)		25.0	20.0	29.0	55.0	34.0	50.0	60.0	54.0	44.0	35.0	26.0	23.0	455.0
SUBTOTALS, DAVIS DAM TO PARKER DAM		25.0	20.0	29.0	55.0	34.0	50.0	60.0	54.0	44.0	35.0	26.0	23.0	455.0
Rayner, Jack Jr.	(B-04-22)34 DCC(CDD)	126.5	22.1	786.1	208.0	384.4	639.8	1072.4	614.5	442.9	88.6	165.3	26.9	4577.5
Rayner, Jack Jr.	(B-04-22)34 DCC(DCD)	0.3	0.1	0.6	0.8	0.4	0.8	0.9	1.4	0.6	0.2	0.2	0.2	6.5
Ehrenberg Field Office USBR 3/		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Arakelian, George	(B-03-22)16 DBD(DAD)	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.7	0.6	0.5	0.3	0.3	6.0
Arakelian, George	(B-03-22)16 DBD(DAD) 3/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BLM Permitees		8.8	6.5	25.0	15.5	18.0	26.4	30.6	72.6	73.8	63.0	55.2	37.7	433.1
SUBTOTALS, PARKER DAM TO IMPERIAL DAM		135.9	29.0	812.2	224.8	403.4	667.7	1104.7	689.3	517.9	152.3	221.1	65.2	5023.4
Pratt, L.	(C-7-22) 14AB 2/3/	22.4	17.9	30.6	33.0	40.4	48.9	53.4	51.4	40.4	33.8	24.0	23.6	420.0
Pratt, L.	SEC 14 T7S R22W bcd 2/3/	0	0	0	0	0	0	0	0	0	0	0	0	0
Dulin, A.	(C-8-22) 8DAC	2.6	3.1	7.2	13.4	20.3	42.6	43.6	49.0	43.6	43.4	28.0	24.8	321.6
Dulin, A.	(C-8-22) 9CCC	92.8	69.2	82.9	81.5	89.1	196.1	183.9	109.5	103	148	65.7	63.3	1285.0
Glen Curtis Cit	(C-8-22) 7CCD	4.6	20.3	231.1	180.6	289.0	295.7	264.1	236.4	143.4	144.0	99.3	52.4	1960.9
Glen Curtis Cit	(C-8-22) 18CBD	0.0	41.1	56.7	115.4	44.3	10.1	5.2	0.1	0.0	0.0	9.5	0.2	282.6
Magco of AZ	(C-8-22) 24BD 3/	64.0	51.2	87.4	94.3	115.3	139.8	152.5	146.8	115.3	96.6	68.6	67.6	1200.0
Auza, Pete	SEC18 T08S R22W DDD 2/3/	38.4	30.7	52.4	56.6	69.2	83.9	91.5	88.1	69.2	58.0	41.2	40.5	720.0
Auza, Pete	SEC24 T08S R22W BDD	269.4	188.1	268.8	249.8	110.0	160.5	196.8	237.8	204.0	172.1	132.4	62.8	2252.5
Yowelman, R.	SEC17 T08S R22W CCB 2/3/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Cameron Bros.	SEC24 T08S R22W CCB	328.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	328.4
Ott, Judd T.	SEC30 T08S R22W BAB	358.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	358.4
Ott, Judd T.	(C-8-22) 19CCA	627.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	627.7
Cameron Bros	SEC24 T08S R22W CAD	177.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	177.1
Ott	SEC24 T08S R23W DCC	647.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	647.7
Peach	SEC22 T08S R23W DDC	24.8	27.3	61.6	22.1	0.0	52.0	0.0	0.0	0.0	0.0	0.0	0.0	187.8
AZ Prod	SEC23 T08S R23W CDA	332.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	332.0
Yucca Pwr Plant	SEC36 T16S R12E CBA 3/	17.8	14.3	24.3	26.3	32.1	38.9	42.5	40.8	32.1	26.9	19.1	18.8	334.0
Slade, Dwanee	SEC28 T16S R22E CDA	10.0	12.3	17.0	20.8	11.1	0.0	0.0	23.0	16.6	10.5	5.9	2.8	130.0
Curry Farms	SEC29 T16S R22E DAC	6.8	18.5	29.4	36.7	37.3	17.0	21.2	0.0	10.4	92.6	8.4	0.0	278.3
Power, R.E. & P.	SEC30 T16S R22E ACC 2/3/	151.9	121.7	207.5	224.0	273.9	332.0	362.2	348.6	273.9	229.4	163.0	160.5	2850.0
Hall, Ansil	SEC36 T16S R21E BCB 2/3/	23.0	18.4	31.4	34.0	41.5	50.3	54.9	52.8	41.5	34.8	24.7	24.3	432.0
Burrell	SEC33 T08S R24W BAB 2/3/	16.0	12.8	21.8	23.6	28.8	35.0	38.1	36.7	28.8	24.2	17.2	16.9	300.0
Huerta Packing	16S/21E-25Ha	39.6	51.2	91.6	102.5	24.5	22.7	0.0	0.0	46.9	63.5	0.0	26.4	468.9
Huerta Packing	16S/21E-25DAD	41.1	39.9	100.9	103.4	37.0	44.0	0.0	0.0	79.7	115.1	1.7	21.2	584.0
Cocopah Bend RV	16S/22E-30Fb 3/	18.1	14.5	24.8	26.7	32.7	39.6	43.2	41.6	32.7	27.4	19.4	19.1	340.0
Rnc 220 Trst	SEC19 T09S R24W BAD	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Pacific Coast Fm	(C-9-24) 19BAD	36.3	46.7	89.9	141.8	64.3	40.7	46.3	44.6	159.8	77.1	0.0	43.0	790.5
Pacific Coast Fm	(C-9-24) 19BDD	28.8	36.4	61.3	111.0	71.6	9.8	38.5	35.0	126.4	61.5	0.0	34.7	615.0
Pacific Coast Fm	(C-9-24) 19BDA	19.5	22.5	37.7	67.8	43.9	5.9	22.4	22.4	76.8	37.2	0.0	21.2	377.3
Consoul, Lee	SEC31 T09S R24W AAA	87.4	69.3	53.0	110.9	140.4	98.8	35.6	22.9	48.8	248.3	232.6	108.5	1256.5
Waymon Farms	(C-9-24) 31BBA	45.4	44.7	35.1	96.6	126.9	89.0	35.0	26.5	26.7	157.4	185.9	68.9	938.1
W. Brand-D. Donnely	(C-9-25) 35ABA 2/3/	33.6	26.9	45.9	49.5	60.5	73.4	80.1	77.0	60.5	50.7	36.0	35.5	630.0
J W Cuming	(C-10-25) 1BBA	250.7	35.3	101.4	100.7	24.8	87.9	135.5	84.5	135.6	34.0	35.8	67.7	1093.9
P. Sibley	(C-10-25) 2CDA 2/3/	103.9	83.3	142.0	153.3	187.4	227.2	247.8	238.5	187.4	157.0	111.5	109.8	1950.0
J W Cuming	(C-10-25) 14ADB	98.8	34.9	49.5	61.9	94.8	57.0	29.2	55.5	87.2	66.0	92.4	49.3	776.5
C & J Cummings	(C-10-25) 26BAB 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
J. Barkley	(C-10-25) 35CBA 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
J W Cuming	(C-11-25) 2BBA	78.2	45.9	99.9	67.5	94.3	43.3	59.5	74.7	99.5	62.1	33.0	19.3	777.2
Hughes, Earl	(C-11-25) 3DAC	66.1	3.6	265.3	226.7	166.8	471.8	236.8	212.4	223.3	123.8	22.3	91.9	2110.8

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1994
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Unknown	T16S/R22E 29DAD 2/3/	12.8	10.2	17.5	18.9	23.1	28.0	30.5	29.4	23.1	19.3	13.7	13.5	240
Gila Substation		0.7	0.7	4.1	4.9	5.1	4.1	9.8	4.8	5.1	4.9	1.6	0.4	46.2
Yuma Mesa Pumping Plant 3/		2.6	2.1	3.6	3.9	4.7	5.7	6.2	6.0	4.7	3.9	2.8	2.8	49.0
SUBTOTALS, BELOW IMPERIAL DAM		4281.7	1297.1	2573.2	2810.8	2589.5	3075.3	2810.4	2631.4	2730.8	2577.9	1605.7	1399.7	30389.9
*** Total Arizona Supplemental ***		4443	1346	3414	3091	3027	3793	3975	3375	3293	2765	1853	1488	35863

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Calculated by assuming an annual diversion rate of 6 ac-ft per acre.
3/ Reported annual total only, distributed monthly according to nearby users.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1994
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOHAVE INDIAN RESERVATION PUMPED FROM RIVER AND WELLS	DIVERSION 7/	1392	1096	2307	2537	1952	2697	2479	2741	2038	1504	903	851	22497
	RETURNS													
	CONSUMPTIVE USE													
CITY OF NEEDLES WELLS 6,8,10 NE SEC 30 T9N R23E SBM	DIVERSION	153	128	209	269	306	402	429	375	330	280	212	197	3289
	RETURNS 10/	95	84	121	138	185	213	239	178	158	157	144	109	1822
	CONSUMPTIVE USE	58	44	88	130	121	189	190	196	171	123	68	88	1467
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	DIVERSION	110894	100136	111248	105869	110439	106918	110324	111262	109069	110177	106483	110393	1303212
	RETURNS 2/	303	267	283	259	247	224	209	204	224	256	243	290	3009
	CONSUMPTIVE USE	110591	99869	110965	105610	110192	106694	110115	111058	108845	109921	106240	110103	1300203
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	DIVERSION	6	5	16	28	36	36	34	33	31	25	14	12	276
	RETURNS													
	CONSUMPTIVE USE													
COLORADO RIVER INDIAN RESERVATION WELLS	DIVERSION 4/	48	38	66	71	86	105	114	110	86	72	51	51	900
PUMPS	DIVERSION 4/	112	137	159	583	672	807	731	918	967	287	218	212	5801
	RETURNS													
	CONSUMPTIVE USE	160	175	224	653	759	912	845	1028	1053	359	269	262	6700
CITY OF WINTERHAVEN 1 WELL SE SE NE SEC 27 T16S R22E SBM	DIVERSION 6/	9	9	10	11	10	16	15	13	12	10	10	9	134
	RETURNS													
	CONSUMPTIVE USE													
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	DIVERSION	31460	40000	54980	71580	77730	90940	91850	103200	79920	65730	50580	42400	800370
	RETURNS	25745	27203	31815	31903	36019	35824	36774	39095	40503	40834	35880	36299	417894
	CONSUMPTIVE USE	5715	12797	23165	39677	41711	55116	55076	64105	39417	24896	14700	6101	382476
	WATER MANAGEMENT ACCT. CREDITS 8/	544	5170	7870	9597	12302	14406	14800	0	0	0	0	0	64688
YUMA PROJECTS, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	2811	3041	5112	6640	4680	3788	2279	2774	4133	7794	4485	1837	49374
	RETURNS	102	88	116	141	98	69	43	45	73	165	142	72	1154
	CONSUMPTIVE USE	2709	2953	4996	6499	4582	3719	2236	2729	4060	7629	4343	1765	48220
YUMA PROJECTS, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	2971	3160	4847	7004	6031	7045	4456	4613	4207	5852	3410	2014	55610
	RETURNS	64	59	68	86	78	70	51	46	45	73	63	50	753
	CONSUMPTIVE USE	2907	3101	4779	6918	5953	6975	4405	4567	4162	5779	3347	1964	54857
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS	RETURNS 3/	3466	2853	3950	3774	4040	3906	4358	4489	4453	3420	4415	3745	46869
SUM YUMA PROJECTS, RES. DIV. USE	CONSUMPTIVE USE	2150	3201	5825	9643	6495	6788	2283	2807	3769	9988	3275	-16	56208
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	160691	138476	278332	373207	337507	342390	365549	329482	270948	263596	182624	129280	3172082
	RETURNS	9907	7519	11373	13494	12660	10389	12113	9503	8809	9560	9868	8811	124006
	CONSUMPTIVE USE	150784	130957	266959	359713	324847	332001	353436	319979	262139	254036	172756	120469	3048076
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	20917	15113	25282	34661	35127	35767	37596	37624	33553	26587	21284	16019	339530
	RETURNS	1290	821	1033	1253	1318	1085	1246	1085	1091	964	1150	1092	13428
	CONSUMPTIVE USE	19627	14292	24249	33408	33809	34682	36350	36539	32462	25623	20134	14927	326102

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1994
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 5/	1244	1453	2053	2923	3156	2476	2475	2019	1911	1901	2046	1602	25261
	RETURNS													
	CONSUMPTIVE USE													
CALIFORNIA TOTALS	DIVERSION	332708	302792	484621	605382	577733	593387	618332	595163	507205	483815	372320	304876	5778335
	RETURNS	40972	38894	48759	51048	54645	51780	55033	54645	55356	55429	51905	50468	608935
	CONSUMPTIVE USE	291736	263898	435862	554334	523088	541607	563298	540518	451849	428386	320415	254409	5169400
	WATER MANAGEMENT ACCT. CREDITS 8/	544	5170	7870	9597	12302	14406	14800	0	0	0	0	0	64688
	TOTAL USE	292280	269068	443732	563931	535390	556013	578098	540518	451849	428386	320415	254409	5234088
WATER CONSERVATION PROGRAM IMPERIAL I. D./METROPOLITAN W. D. CONSERVED WATER 9/		3518	4020	6533	8292	8292	7287	8041	7287	6282	5779	4272	3267	72870

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

1/ No surface returns unless shown.
2/ Estimate based on measured regulatory reservoirs seepage returns less an estimated amount of phreatophyte use.
3/ Returns unassigned include drainage from the Indian Unit and the Bard Unit in the Reservation Division but excludes seepage from the All-American Canal.
4/ Calculated using monthly power records.
5/ Details on California Supplemental Sheets.
6/ Reported annual total only, distributed monthly according to nearby users.
7/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.
8/ PVID/MWD land fallow test program of 20,215 acres with 3.2 acft/ac of use in 1994. Water is accounted as used in the year saved and stored for the exclusive future use of MWD and not to be additive to current year MWD diversions. Current total account credits deposited less this years diversions of 0 acre-feet is 185978 acre-feet.
9/ IID/MWD Water Conservation Program Phase 1 conserved water made available by IID for diversion in current year by MWD.
10/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California).

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1994
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
IDA CAL	11N/22E -31Cb	6.8	79.7	38.7	53.8	81.6	58.5	29.9	35.0	8.7	9.3	0.9	0.0	402.9
IDA CAL	11N/21E -36Hd	18.3	21.3	69.1	105.4	127.2	137.6	85.8	81.2	101.3	0.0	67.9	20.7	835.8
Russel Bros.	11N/21E-36Pa	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Souther Cal Gas	9N/23E-29Qa 2/4/	3.5	2.8	4.8	5.2	6.3	7.7	8.4	8.1	6.3	5.3	3.8	3.7	66.0
Needles Field Office USBR		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Havasu Water Company	T5N R25E SEC31	3.3	3.6	4.0	4.8	6.0	8.3	9.5	9.2	8.2	5.8	3.9	2.9	69.3
SUBTOTALS, DAVIS DAM TO PARKER DAM		31.9	107.4	116.6	169.1	221.1	212.0	133.6	133.5	124.5	20.4	76.5	27.3	1373.9
Lye, C. L.	1S/24E -16Gb 2/4/	1.6	1.3	2.2	2.4	2.9	3.5	3.8	3.7	2.9	2.4	1.7	1.7	30.0
BLM Permitees		32.4	49.0	71.0	87.6	99.6	133.0	145.0	115.4	97.0	105.9	45.2	32.7	1013.8
Palo Verde Diversion Dam 4/		0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	2.2
Picacho Development Corp		0	0	0	0	0	0	0	0	0	0	0	0	0
Senator Wash Pumping Plant 4/		0.5	0.4	0.7	0.8	1.0	1.2	1.3	1.2	1.0	0.8	0.6	0.6	10.0
SUBTOTALS, PARKER DAM TO IMPERIAL DAM		34.6	50.8	74.1	90.9	103.7	137.9	150.4	120.6	101.1	109.3	47.6	35.1	1056.0
Imperial Diversion Dam 4/		12.1	9.7	16.5	17.8	21.8	26.4	28.9	27.8	21.8	18.3	13.0	12.8	227.0
Laguna Field Office USBR 4/		0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1	1.2
Land, Ralph	SEC35 T15S R23E DDC	5.8	0.0	0.0	0.0	0.0	0.0	0.0	1.5	43.7	77.2	206.9	8.7	343.8
Living Earth Frm	SEC35 T16S R23E BBC	10.5	9.7	8.9	10.5	17.0	21.9	11.3	13.0	18.6	33.2	47.8	32.4	234.8
Land, Ralph	SEC22 T16S R23E BDD	0.0	0.0	0.0	0.0	186.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	186.0
Power, Pete	SEC14 T16S R23E CCB 2/4/	108.7	87.1	148.5	160.3	196.0	237.7	259.3	249.5	196.0	164.2	116.7	114.9	2040.0
Harp, P. (R. Harp)	(C-8-23)13AA 2/4/	32.0	25.6	43.7	47.2	57.7	69.9	76.3	73.4	57.7	48.3	34.3	33.8	600.0
Spencer, Mindle	(C-8-22) 6CDA	165.5	205.3	279.7	410.6	313.1	233.5	160.4	204.0	215.5	264.3	232.2	151.4	2835.5
H & S Farms	(C-8-22) 7BAB	63.3	205.3	143.5	189.2	169.2	119.5	68.2	19.2	4.8	27.3	13.6	33.7	1056.8
Ed Wavers Farms	(C-8-22) 6BCD 2/4/	12.8	10.2	17.5	18.9	23.1	28.0	30.5	29.4	23.1	19.3	13.7	13.5	240.0
Ed Wavers Farms	(C-8-22) 6CBD	132.3	114.7	186.8	261.4	248.6	289.5	301.5	230.9	75.4	93.0	84.2	28.1	2046.4
Ed Wavers Farms	(C-8-22) 6CCA	97.8	49.7	42.5	83.4	133.1	137.1	142.7	84.2	26.5	8.0	95.4	47.3	947.7
Spencer, M.	SEC9 T16S R23E CAC	0.0	0.0	0.0	0.0	0.0	7.3	8.3	48.1	56.4	120.9	43.0	58.2	342.2
Wavers, Edward M.	(C-8-23) 1BBA	0.0	19.9	28.4	25.6	42.7	56.9	88.2	56.9	8.5	0.0	2.8	0.0	329.9
Wavers, Edward M.	(C-8-23) 1BAD	0.0	25.6	22.8	14.2	34.1	59.7	93.9	34.1	5.7	0.0	0.0	0.0	290.1
Schaffer, F. (Harp)	(C-8-23) 2ADC	5.1	3.8	3.8	0.0	0.0	0.0	1.3	0.0	0.0	0.0	0.0	0.0	14.0
Taylor Bros.	(C-8-23) 2DDA	19.3	23.7	102.2	143.6	158.4	42.9	0	28.1	121.4	117	19.3	10.4	786.3
Wilson (R.Harp)	(C-8-23) 12BBA	1.3	2.6	0.0	5.1	3.8	5.1	7.7	1.3	2.6	3.8	0.0	0.0	33.3
Easterday, Kitti	(C-8-23) 1DCC	0.0	42.3	52.6	137.6	73.1	0.0	0.0	0.0	0.0	0.0	15.4	0.0	321.0
Dees, Alex	(C-8-23) 1DAC	101.4	97.5	123.2	180.9	168.1	232.2	237.4	223.2	169.4	148.8	94.9	60.3	1837.3
Harp, P. (R. Harp)	(C-8-23) 12DAC 2/4/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Easterday, K.	(C-8-23) 12CDB	139.9	96.1	176.9	273.0	379.2	337.0	353.9	315.1	298.3	80.9	27.0	187.1	2664.4
Smith, F. (P. Power)	(C-8-23) 11DCA	52.4	44.6	93.2	170.8	145.6	27.2	0.0	1.9	0.0	0.0	0.0	40.8	576.5
Valdez, Mike	T16S R23E SEC 30Ec	38.5	61.6	89.8	175.8	136.0	38.5	79.5	1.3	114.2	68.0	246.3	251.5	1301.0
Valdez, Mike	T16S R23E SEC 30Fd	125.3	117.0	209.3	258.8	229.1	39.6	115.4	0.0	130.2	398.9	558.7	398.9	2581.2
Bly, James R.		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	3.6
Sunmor Properties		1.3	1.0	1.7	1.9	2.3	2.8	3.0	2.9	2.3	1.9	1.4	1.3	23.9
Wetmore, Kenneth C. 2/3/4/		0.3	0.2	0.4	0.4	0.5	0.6	0.7	0.7	0.5	0.4	0.3	0.3	5.4
Williams, Jerry 3/		0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	1.1
Lindeman, William H. & Hazel D. 3/		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Carney, Jerome D. 3/4/		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5
Andrade, Dorothy L. 3/4/		0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	1.8
Siphon Drop Pump Generating Plant, Yuma Main Canal 4/		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Pilot Knob Powerplant 4/		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
SUBTOTALS, BELOW IMPERIAL DAM		1177.3	1294.8	1862.4	2663.1	2831.5	2126.1	2191.3	1764.8	1685.7	1771.8	1922.4	1540.0	22833.2

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1994
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
*** Total California Supplemental ***	1244	1453	2053	2923	3156	2476	2475	2019	1911	1901	2046	1602	25263

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Calculated by assuming an annual diversion rate of 6 ac-ft per acre.
3/ Location of well/pump not reported.
4/ Reported annual total only, distributed monthly according to nearby users.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1994
STATE OF NEVADA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BOULDER CANYON PROJECT DIVERSION AT HOOVER DAM	DIVERSION	9	18	5	8	11	4	3	0	4	3	3	3	71
	RETURNS													
	CONSUMPTIVE USE													
ROBERT B. GRIFFITH WATER PROJECT DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	21420	18980	24563	26990	29905	30243	31788	30284	26389	29901	24769	21658	316890
BY USER: BOULDER CITY 4/		330	287	419	543	720	897	996	972	850	622	421	334	7391
HENDERSON 4/		1086	988	1588	2196	2949	3691	4042	3961	3369	2575	1871	1424	29739
LAS VEGAS VALLEY W.D. 4/		18408	16085	20043	21318	22690	22060	22840	21531	19013	23460	19908	17665	245022
NORTH LAS VEGAS 4/		1468	1490	2255	2651	3202	3192	3504	3417	2826	2984	2410	2121	31518
NELLIS AIR FORCE BASE 4/		129	131	259	281	345	402	406	403	331	259	159	115	3219
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA DIVERSIONS FROM LAKE MEAD	DIVERSION	45	37	48	75	69	88	101	103	91	66	54	47	824
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	DIVERSION	22	16	27	29	35	39	57	12	45	36	20	17	355
	RETURNS													
	CONSUMPTIVE USE													
BASIC MANAGEMENT INC. DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	497	418	504	510	544	621	731	732	653	647	691	575	7123
	RETURNS													
	CONSUMPTIVE USE													
CITY OF HENDERSON DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	1049	881	1045	939	1138	853	887	1186	844	1505	608	557	11492
	RETURNS													
	CONSUMPTIVE USE													
NEVADA DEPARTMENT OF FISH & GAME DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	369	333	369	359	372	359	410	433	422	438	415	427	4706
	RETURNS	369	333	369	358	372	359	410	433	422	438	415	427	4705
	CONSUMPTIVE USE	0	0	0	1	0	0	0	0	0	0	0	0	1
CITY OF BOULDER CITY DIVERSION AT HOOVER DAM	DIVERSION	5	4	10	15	15	34	36	43	33	26	17	8	246
	RETURNS													
	CONSUMPTIVE USE													
PACIFIC COAST BUILDING PRODUCTS INC. DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	57	42	82	57	71	52	67	59	70	66	68	57	748
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN CALIFORNIA EDISON PUMPED FROM SEC 24 T32S R66E MDB&M	DIVERSION	710	987	899	508	1119	1606	1383	1372	1553	1397	1346	1102	13982
	RETURNS													
	CONSUMPTIVE USE													
BIG BEND WATER DISTRICT DIVERSION SEC 12 T32S R66E MDB&M	DIVERSION	354	298	374	390	422	465	492	513	452	423	340	310	4833
	RETURNS													
	CONSUMPTIVE USE													
LAS VEGAS WASH RETURN FLOWS	RETURNS 2/	10886	9894	11216	10651	10539	9398	10628	10725	9963	11389	11756	12001	129046

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1994
STATE OF NEVADA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY	DIVERSION 3/	1	1	2	2	2	3	3	3	2	2	1	1	23
	RETURNS													
	CONSUMPTIVE USE													
NEVADA TOTALS	DIVERSION	24538	22015	27928	29882	33703	34367	35958	34740	30558	34510	28332	24762	361293
	RETURNS	11255	10227	11585	11009	10911	9757	11038	11158	10385	11827	12171	12428	133751
	CONSUMPTIVE USE	13283	11788	16343	18873	22792	24610	24920	23582	20173	22683	16161	12334	227542
GROUNDWATER INJECTED STORAGE 5/														
LAS VEGAS VALLEY WATER DIST.	INJECTED	3732	3805	2806	972	114	0	0	0	0	1342	3702	3646	20119
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF NORTH LAS VEGAS	INJECTED	114	120	177	178	147	0	0	0	0	252	402	389	1779
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

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

1/ No surface returns unless shown.
2/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and as revised.
3/ Details on Nevada Supplemental Sheets.
4/ User deliveries adjusted by weighted use to equal total diversion at Lake Mead.
5/ Beginning of year cumulative injected storage of 71555 AF plus current year increase in injected storage of 21898 AF less current year withdrawls from injected storage of 0 AF yields year end total of 93453 AF injected storage.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1994
STATE OF NEVADA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Clark County Parks & Rec. 2/	0.7	0.6	1.0	1.0	1.3	1.5	1.7	1.6	1.3	1.1	0.8	0.7	13.2
Boy Scouts of America SEC5 T33S R66E 2/	0.5	0.4	0.7	0.8	1.0	1.2	1.3	1.2	1.0	0.8	0.6	0.6	10.0
*** Total Nevada Supplemental ***	1	1	2	2	2	3	3	3	2	2	1	1	23

1/ Calculated from monthly power records and power-discharge measurements where available, otherwise from power-discharge rate.
2/ Reported annual total only, distributed monthly according to nearby users.

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 1994

The following tabulations for calendar year 1994 show records of releases of mainstream water pursuant to orders thereto, 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 diversion 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 1994
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CENTRAL ARIZONA PROJECT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERTED	16988	4009	12972	4272	5510	2622	1450	4200	2596	1016	29504	63574	148713
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS													
	DELIVERED TO STORAGE 2/	16988	4009	12972	4272	5510	2622	1450	4200	2596	1016	29504	63574	148713
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	ORDERED BUT NOT DIVERTED	325	5020	6996	2225	2103	3293	1944	2360	1303	1993	541	1946	30049
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	159	2400	3344	1743	789	1636	845	1349	795	968	284	377	14689
	DIVERTED BY OTHERS	166	2620	3479	482	1284	1657	1099	946	486	1025	257	1148	14649
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	173	0	30	0	0	65	22	0	0	421	711
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	2680	1718	1878	2868	2452	1686	2021	1630	1759	3558	2957	3543	28750
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	748	436	653	1160	450	1111	968	1061	504	1057	706	607	9461
	DIVERTED BY OTHERS	1932	1282	1203	1708	1968	575	1053	569	1221	2501	2251	2525	18788
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	22	0	34	0	0	0	34	0	0	411	501
STURGES (WARREN ACT) 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 EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
WELLTON-MOHAWK I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	2037	3735	6960	4875	7972	1966	3384	3112	6135	2993	3822	6135	53126
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	165	190	549	502	748	284	561	355	843	188	194	208	4787
	DIVERTED BY OTHERS	1872	3545	6330	4373	6998	1682	2823	2596	4885	2805	3628	4556	46093
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	81	0	226	0	0	161	407	0	0	1371	2246
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	218	589	522	65	272	101	115	163	555	345	325	305	3575
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	42	40	103	16	14	89	73	6	61	46	52	16	558
	DIVERTED BY OTHERS	176	549	409	49	246	12	42	143	472	299	273	194	2864
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	10	0	12	0	0	14	22	0	0	95	153

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 1994
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
YUMA MESA I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	1698	2041	1851	1833	1547	1597	2108	1486	4903	2844	2231	3332	27471
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	177	260	268	551	161	1160	1016	627	393	732	409	252	6006
	DIVERTED BY OTHERS	1521	1781	1537	1282	1287	437	1092	815	4054	2112	1822	2749	20489
	DELIVERED TO STORAGE 2/	0	0	46	0	99	0	0	44	456	0	0	331	976
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
UNIT "B" I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	169	397	264	397	536	246	351	417	1016	337	458	407	4995
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	14	46	50	188	103	135	171	105	222	105	65	20	1224
	DIVERTED BY OTHERS	155	351	202	209	429	111	180	290	748	232	393	222	3522
	DELIVERED TO STORAGE 2/	0	0	12	0	4	0	0	22	46	0	0	165	249
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
YUMA COUNTY WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	4526	3449	2797	3642	5183	3646	4066	3469	4380	5260	6129	6714	53261
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2089	787	645	1329	1878	2126	2172	2013	2037	2787	2579	1442	21884
	DIVERTED BY OTHERS	2437	2662	2079	2313	3035	1520	1894	1272	2051	2473	3550	3953	29239
	DELIVERED TO STORAGE 2/	0	0	73	0	270	0	0	184	292	0	0	1319	2138
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
ARIZONA TOTALS	ORDERED BUT NOT DIVERTED	28641	20958	34240	20177	25575	15157	15439	16837	22647	18346	45967	85956	349940
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3394	4159	5612	5489	4143	6541	5806	5516	4855	5883	4289	2922	58609
	DIVERTED BY OTHERS	25247	16799	28211	14688	20757	8616	9633	10831	16513	12463	41678	78921	284357
	DELIVERED TO STORAGE 2/	0	0	417	0	675	0	0	490	1279	0	0	4113	6974
	DELIVERED TO MEXICO IN EXCESS OF TREATY													

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 1994
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERTED	2574	835	2493	2025	2389	1853	2815	2163	814	2595	2642	2172	25370
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2574	835	2493	2025	2389	1853	2815	2163	814	2595	2642	2172	25370
	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													
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	ORDERED BUT NOT DIVERTED	1018	438	490	2452	2809	4364	6466	3233	2995	887	184	300	25636
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	434	210	246	1099	1371	2168	3082	1864	1902	538	56	16	12986
	DIVERTED BY OTHERS	584	228	244	1353	1299	2196	3384	1264	1069	349	128	284	12382
	DELIVERED TO STORAGE 1/	0	0	0	0	139	0	0	105	24	0	0	0	268
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
YUMA PROJECT RESV. DIVISION DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	3269	1605	891	940	2400	1025	3305	1186	825	1722	5215	5036	27419
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2053	462	252	434	811	448	1440	647	341	948	2826	1561	12223
	DIVERTED BY OTHERS	1216	1143	589	506	1526	577	1865	487	424	774	2389	2253	13749
	DELIVERED TO STORAGE 1/	0	0	50	0	63	0	0	52	60	0	0	1222	1447
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	2610	13785	22923	5461	4429	3866	1079	3850	2581	3178	4221	6530	74513
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	992	1194	1543	2563	438	1456	426	631	990	1244	1105	1033	13615
	DIVERTED BY OTHERS	1618	12591	19829	2898	3031	2410	653	2364	1591	1934	3116	2750	54785
	DELIVERED TO STORAGE 1/	0	0	1551	0	960	0	0	855	0	0	0	2747	6113
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	236	1714	573	75	323	601	145	333	109	712	254	538	5613
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	117	504	58	20	186	357	97	210	56	474	99	169	2347
	DIVERTED BY OTHERS	119	1210	515	55	137	244	48	121	53	238	155	321	3216
	DELIVERED TO STORAGE 1/	0	0	0	0	0	0	0	2	0	0	0	48	50
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
CALIFORNIA TOTALS	ORDERED BUT NOT DIVERTED	9707	18377	27370	10953	12350	11709	13810	10765	7324	9094	12516	14576	158551
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3596	2370	2099	4116	2806	4429	5045	3352	3289	3204	4086	2779	41171
	DIVERTED BY OTHERS	6111	16007	23670	6837	8382	7280	8765	6399	3951	5890	8430	7780	109502
	DELIVERED TO STORAGE 1/	0	0	1601	0	1162	0	0	1014	84	0	0	4017	7878
	DELIVERED TO MEXICO IN EXCESS OF TREATY													

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 1994

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1994

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY AT NORTH INTERNATIONAL BOUNDARY 1/	114689	144663	194539	164011	121627	113957	117701	100751	91735	62199	74366	100029	1400267
DELIVERY AT SOUTH INT. LAND BOUNDARY	10312	9451	10434	11221	11404	10145	9710	10037	9567	11436	11524	10012	125253
TOTAL DELIVERY IN SATISFACTION OF TREATY	125001	154113	204973	175232	133031	124102	127411	110788	101302	73635	85891	110041	1525520
TO MEXICO AS SCHEDULED	124849	154035	204299	175113	129713	124039	127282	108824	100527	72964	82191	96164	1500000
TO MEXICO IN EXCESS OF SCHEDULE 2/	152	78	674	119	3318	63	129	1964	775	671	3700	13877	25520
BYPASS PURSUANT TO MINUTE 242	6410	12803	12371	11552	12579	8654	5950	8392	11213	10308	12544	11658	124434

1/ Includes wasteway deliveries in satifaction of treaty to the river limitrophe.
2/ Water that is lost to the United States through releases into the Colorado River at above Morelos Dam in excess of Lower Basin delivery orders and Mexican Treaty requirements. These excess waters exceed water orders in Mexico and are generally not diverted for beneficial use in Mexico.

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 1994

DIVERSIONS FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 1994

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0

1/ Zero diversions reported for 1994.

R E V I S I O N S

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

REVISIONS FOR CALENDAR YEAR 1993

REVISION 1990

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1993
STATE OF NEVADA

REVISED RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
LAS VEGAS WASH RETURN FLOWS	RETURNS	12964	10412	11683	10996	10251	9371	8807	9507	8300	10707	10205	10008	123211
NEVADA TOTALS	DIVERSION	20315	18684	23701	26985	32527	31678	34743	33729	29438	32405	26287	25069	335561
	RETURNS	13311	10759	12063	11360	10627	9735	9183	9876	8665	11083	10571	10384	127617
	CONSUMPTIVE USE	7004	7925	11638	15625	21900	21943	25560	23853	20773	21322	15716	14685	207944

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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 1995

U.S. DEPARTMENT OF THE INTERIOR

BUREAU OF RECLAMATION

Bureau of Reclamation

Lower Colorado Region
Boulder City, Nevada

7/15/96

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ARTICLE V OF THE DECREE OF THE SUPREME COURT

OF THE UNITED STATES

IN ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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 1995

RELEASES OF WATER THROUGH REGULATORY STRUCTURES
CONTROLLED BY THE UNITED STATES
CALENDAR YEAR 1995

FINAL RECORDS (THOUSAND ACRE-FEET)

STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	756.4	654.3	604.6	633.5	625.0	981.6	1074.0	1123.0	1085.0	906.5	856.1	905.5	10205.5
HOOVER DAM	344.2	454.9	899.6	996.3	873.4	863.8	806.7	957.6	677.0	612.3	333.9	725.2	8544.9
DAVIS DAM	333.6	481.8	774.5	921.5	860.2	866.8	851.7	893.4	698.2	664.0	448.7	522.3	8316.7
PARKER DAM	190.2	485.1	729.6	744.0	668.0	703.8	744.5	706.4	572.7	489.6	363.7	321.1	6718.7
HEADGATE ROCK DAM 1/	188.4	469.8	666.9	678.4	593.0	619.4	650.5	616.8	513.5	448.8	335.2	287.3	6067.9
PALO VERDE DAM	164.8	387.7	620.6	595.4	507.0	521.5	560.2	563.5	482.7	439.6	310.7	230.3	5384.0
IMPERIAL DAM	17.5	18.3	24.7	24.3	22.4	17.1	17.4	25.1	19.3	20.4	15.7	15.4	237.4
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL	0.8	0.8	0.9	0.9	0.9	0.8	0.9	0.9	0.9	0.9	0.8	0.9	10.4
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	18.3	19.0	25.6	25.2	23.2	18.0	18.2	26.0	20.2	21.3	16.6	16.3	247.8
LAGUNA DAM	24.2	22.0	26.9	38.1	22.4	18.9	28.8	20.8	22.1	23.1	21.8	19.2	288.1

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.

The following tabulations for calendar year 1995 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. 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, U.S. Fish and Wildlife Service, and water user agencies. Diversions from the All-American Canal and Gila Gravity Main Canal at Imperial Dam were assigned to each user by adding each user's proportional share of the total canal losses to the delivery taken by each user at its turnout from the canal.

The tabulations also show quantities of water pumped from the mainstream or from wells in the Colorado River flood plain. Amounts diverted by pumping were determined by: (1) For most electric pumps, diversions were 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 and some electric pumps, a consumptive use factor of 6 acre-feet per irrigated acre per year was used.

There are undetermined amounts of unmeasured return flow reaching the Colorado River by means of flow through aquifers connecting water use areas to the mainstream. Reclamation, working with the U.S. Geological Survey, is continuing the research and investigative program to determine the amounts of such unmeasured return flows.

Tabulations for calendar year 1995 do include acceptable determinations of the unmeasured Colorado River return flows to Lake Mead from Las Vegas Wash which accrue the State of Nevada and a portion of the unmeasured return flows from the Yuma Mesa which are credited to the State of Arizona.

No person or entity is entitled to divert or use Colorado River water without an entitlement. An entitlement is an authorization to beneficially use Colorado River water pursuant to: (1) a right decreed by the Supreme Court, (2) a contract with the United States through the Secretary of the Interior (Secretary), or (3) a Secretarial reservation of water. The recording of diversions, return flows, or consumptive use in this tabulation is for statistical use only and is not to be interpreted as an entitlement, indication that the use is authorized, or imply that return flow credits are associated with a specific entitlement.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1995
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
TOWN OF PARKER	DIVERSION	0	0	0	0	0	0	18	22	19	0	0	0	59
PUMPED FROM RIVER	DIVERSION	68	48	69	84	111	129	119	119	108	94	72	64	1085
1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	RETURNS	0	0	0	0	0	0	1	2	1	0	0	0	4
	CONSUMPTIVE USE	68	48	69	84	111	129	136	139	126	94	72	64	1140
COLORADO RIVER INDIAN RESERVATION	DIVERSION	1840	15320	62720	65630	75040	84410	93960	89620	59220	40810	28460	33810	650840
DIVERSION AT HEADGATE ROCK DAM	DIVERSION 2/3/	401	65	197	1091	1504	1382	1892	1698	1827	1715	461	971	13204
1 PUMP FROM RIVER (B-04-22)14 bbd	RETURNS	12111	10189	17836	22012	22627	21611	24848	25909	23534	20354	18872	19039	238942
	CONSUMPTIVE USE	-9870	5196	45081	44709	53917	64181	71004	65409	37513	22171	10049	15742	425102
EHRENBURG IMPROVEMENT ASSN.	DIVERSION	20	20	27	35	39	45	48	55	43	36	29	26	423
1 PUMP SW SEC 3 T3N R22W G&SRM	RETURNS													
	CONSUMPTIVE USE													
CIBOLA VALLEY IRRIGATION DISTRICT	DIVERSION 2/	104	1045	2686	2347	3351	4428	5383	4523	2633	1484	639	587	29210
5 PUMPS SEC'S 20, 21 & 26T1N R23W	RETURNS													
	CONSUMPTIVE USE													
CIBOLA NATIONAL WILDLIFE REFUGE	DIVERSION	252	229	368	1056	763	1214	1009	1131	929	1081	1596	738	10366
3 PUMPS	RETURNS													
	CONSUMPTIVE USE													
IMPERIAL NATIONAL WILDLIFE REFUGE	DIVERSION 2/	534	427	729	786	962	1165	1272	1223	961	806	572	563	10000
2 WELLS SEC 13 T5S R22W G&SRM	RETURNS													
	CONSUMPTIVE USE													
YUMA PROVING GROUND	DIVERSION	2	2	1	1	4	2	1	1	1	4	4	4	27
DIVERSION AT IMPERIAL DAM	DIVERSION	69	56	95	102	125	152	166	159	125	105	75	73	1303
WELLS X,Y,M	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	71	58	96	103	129	154	167	160	126	109	79	77	1329
STURGES	DIVERSION	112	345	290	328	435	659	682	629	425	473	218	140	4736
DIVERSION AT IMPERIAL DAM	RETURNS	17	11	15	0	3	9	0	2	6	12	7	6	88
(WARREN ACT)	CONSUMPTIVE USE	95	334	275	328	432	650	682	627	419	461	211	134	4648
WELLTON MOHAWK I. & D. DISTRICT	DIVERSION	6658	26656	35318	34581	39019	48689	46547	41701	39330	30444	21442	18316	388701
DIVERSION AT IMPERIAL DAM	GGMC RETURN	1099	950	2049	40	331	778	5	116	670	841	786	824	8489
	DOME RETURN	2007	1135	549	0	0	0	0	0	541	2600	2077	2404	11313
	MOD RETURN 9/	8960	9030	10050	10390	11520	11350	12320	11840	9080	9970	6240	10740	121490
	RETURNS, TOTAL	12066	11115	12648	10430	11851	12128	12325	11956	10291	13411	9103	13968	141292
	CONSUMPTIVE USE	-5408	15541	22670	24151	27168	36561	34222	29745	29039	17033	12339	4348	247409
CITY OF YUMA	DIVERSION	1818	1935	1872	1509	2108	2370	2416	2703	2521	2284	1836	1789	25161
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	28	29	34	32	34	46	44	59	55	51	28	44	484
DIVERSION AT IMPERIAL DAM (GILA)	RETURNS	1152	1104	847	760	748	839	806	838	918	964	824	943	10743
	CONSUMPTIVE USE	694	860	1059	781	1394	1577	1654	1924	1658	1371	1040	890	14902
MARINE CORPS AIR STATION (YUMA)	DIVERSION	0	0	35	135	162	197	241	240	220	178	79	65	1552
DIVERSION AT IMPERIAL DAM	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1995
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
YUMA AREA OFFICE, USBR DIVERSION FROM MODE & WELL NO.8	DIVERSION 2/	62	49	84	91	111	135	147	142	111	93	66	65	1158
	RETURNS	40	32	55	59	73	88	96	92	73	61	43	43	756
	CONSUMPTIVE USE	21	17	29	32	39	47	51	49	39	32	23	23	402
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	RETURNS 5/	5636	5313	4202	4316	5000	4880	5172	5110	4420	5118	5100	5460	59727
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 6/	5109	1650	3150	3244	2896	3097	3742	3474	2831	2684	1990	2589	36457
	RETURNS													
	CONSUMPTIVE USE													
ARIZONA TOTALS	DIVERSION	111665	130848	278734	308297	335021	283667	281904	267427	213670	238857	177052	257235	2884377
	RETURNS	47092	41826	55687	60692	61573	56251	57901	59102	56391	59328	50922	56266	663032
	CONSUMPTIVE USE	64573	89022	223047	247605	273448	227416	224003	208325	157279	179529	126130	200969	2221346

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

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1/ No surface returns unless shown.
2/ Reported annual total only, distributed monthly according to nearby users.
3/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.
4/ Calculated using monthly power records.
5/ Pumped from underground and credited as return flow to Yuma Mesa Division but unassigned to disticts as returns. Includes quantities of drainage from Yuma Mesa, Unit B, as well as from South Gila Valley.
6/ Details on Arizona Supplemental Sheets.
7/ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District, and the Yuma Mesa Irrigation & Drainage District is as follows:

Item	Annual Totals (Acre-Feet)	
Diversion at Imperial Dam A/	339618	
Pumped from wells	9210	
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	4419 *	
Return flow North Gila Valley (6 drains & wasteways)	9673 *	
Return flow South Gila Valley wells (DPOC's)	59727	
Return flow Yuma Mesa Outlet Drain B/	22423 *	
Return flow protective and regulatory pumping unit C/	8551 *	
Estimated unmeasured groundwater return flow D/	25013	
Return flow share of Gila Main Canal loss E/	9823 *	
Subtotal return flow F/	139629	139628 check from above
Consumptive Use (see note above)	209199	209200 check from above

(A) Total for the North Gila Valley, The Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts, and 'Unit B'.
(B) Estimated at 85 percent of the Yuma Mesa Outlet Drain with balance credited to 'Unit B'.
(C) Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.
(D) Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the Lower Colorado River in the Yuma Area')
(E) Diversion*milage weighted share of Gila Main Canal loss less canal surface evaporation (1397 af/yr) and phreatophytes (2154 af/yr).
(F) Additional unmeasured amounts of return flows from the Yuma Mesa Irrigation and Drainage District, 'Unit B', the Cocopah Indian Reservation, and the Yuma County Water Users Association (YCWUA) are utilized to meet consumptive uses in the United States and in partial satisfaction of the Mexican Treaty obligation. Some of thes underground flows are recovered by pumping from wells on the

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1995
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Havasu Water Co. of AZ (Citizens Utilities)		23.9	23.4	25.4	25.9	34.2	38.8	45.4	47.0	40.3	39.2	30.9	23.9	398.3
SUBTOTALS, DAVIS DAM TO PARKER DAM		23.9	23.4	25.4	25.9	34.2	38.8	45.4	47.0	40.3	39.2	30.9	23.9	398.3
Hillcrest Water Co.		1.1	1.3	1.2	1.6	1.7	2.1	2.1	2.3	1.8	1.7	1.6	1.6	20.2
Rayner, Jack Jr.	(B-04-22)34 DCC(CDD)	26.6	13.7	594.9	397.9	364.8	112.2	306.7	213.9	243.8	27.4	97.7	381.8	2781.4
Rayner, Jack Jr.	(B-04-22)34 DCC(DCD)	0.2	0.0	81.3	9.2	0.3	2.4	1.9	94.6	2.8	1.3	1.1	0.5	195.6
Arakelian, George	(B-03-22)16 DBD(DAD)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Arakelian, George	(B-03-22)16 DBD(DAD) 3/	117.7	94.3	160.7	173.5	212.2	257.2	280.6	270.0	212.2	177.7	126.3	124.3	2208.0
BLM Permitees		18.8	35.3	43.9	62.4	76.5	95.5	79.2	101.0	68.0	67.0	67.0	49.0	763.6
SUBTOTALS, PARKER DAM TO IMPERIAL DAM		164.3	144.6	882.1	644.6	655.5	469.5	670.6	681.8	528.6	275.2	293.7	557.2	5968.8
Pratt, L.	Sec14 T7S R22W ABC 2/3/	19.2	15.4	26.2	28.3	34.6	41.9	45.8	44.0	34.6	29.0	20.6	20.3	360.0
Dulin, A.	(C-8-22) 7DAC	15.5	27.3	36.0	36.8	34.3	33.6	37.3	9.4	9.3	14.4	9.0	10.9	273.8
Dulin, A.	(C-8-22) 9CCC	28.4	61.6	79.6	84.5	77.7	118.6	49.5	269.1	175.5	152.2	90.1	381.7	1568.5
Glen Curtis Cit	(C-8-22) 7CCD	18.8	33.4	0.1	0.0	2.3	0.0	7.1	148.3	164.6	0.7	0.3	5.8	381.4
Glen Curtis Cit	(C-8-22) 18CAD	0.2	10.6	16.3	17.4	19.3	23.5	28.7	18.7	12.3	17.5	12.3	7.5	184.3
Glen Curtis Cit	(C-8-22) 24BDD 2/3/	105.5	84.5	144.1	155.6	190.3	230.7	251.7	242.2	190.3	159.4	113.3	111.5	1980.0
Glen Curtis Cit	(C-8-22) 24BDD	55.8	244.7	266.6	311.4	385.7	337.5	356.5	296.2	208.0	337.8	203.2	171.6	3175.0
Glen Curtis Cit	(C-8-22) 18DDD 2/3/	11.0	8.8	15.1	16.3	19.9	24.1	26.3	25.3	19.9	16.7	11.8	11.7	207.0
Yoweiman, R.	SEC17 T08S R22W CBC 2/3/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Cameron Bros.	SEC24 T08S R22W CCB	524.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	524.3
Ott, Judd T.	SEC30 T08S R22W BAB	292.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	292.1
Ott, Judd T.	(C-8-22) 19CCA	529.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	529.9
Cameron Bros	SEC24 T08S R22W CAD	451.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	451.0
Ogram, George	SEC24 T08S R23W DCC	852.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	852.4
Peach	SEC22 T08S R23W DDC	1.2	54.4	1.1	37.9	21.3	56.4	87.7	74.0	28.5	0.0	0.0	33.6	396.1
AZ Prod	SEC23 T08S R23W CDA	373.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	373.0
Yucca Pwr Plant	SEC36 T16S R12E CBA 3/	17.2	13.8	23.5	25.4	31.0	37.6	41.1	39.5	31.0	26.0	18.5	18.2	323.0
Texas Hill Farm	SEC28 T16S R22E CDA	11.3	7.6	29.0	17.0	11.1	10.7	9.7	14.2	18.8	11.1	5.5	5.2	151.2
Curry Family LTD	SEC29 T16S R22E DAC	0.0	4.4	17.0	7.0	0.0	14.7	24.3	17.8	4.9	18.5	19.4	97.2	225.2
Power, R.E. & P.	SEC30 T16S R22E ACC 2/3/	151.9	121.7	207.5	224.0	273.9	332.0	362.2	348.6	273.9	229.4	163.0	160.5	2850.0
Hall, Ansil	SEC36 T16S R21E BCB 2/3/	23.0	18.4	31.4	34.0	41.5	50.3	54.9	52.8	41.5	34.8	24.7	24.3	432.0
Burrell	SEC33 T08S R24W BAB 2/3/	16.0	12.8	21.8	23.6	28.8	35.0	38.1	36.7	28.8	24.2	17.2	16.9	300.0
Cocopah Bend RV	SEC30 T16S R22E BDB 2/	18.1	14.5	24.8	26.7	32.7	39.6	43.2	41.6	32.7	27.4	19.4	19.1	340.0
Huerta Packing	16S/22E-30CDA	26.4	12.3	41.7	49.7	72.4	86.4	35.1	0.0	93.8	33.0	174.2	28.6	653.6
Huerta Packing	16S/21E-25ADD	914.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	914.2
Farmland Mgmt	SEC19 T09S R24W BAD	31.9	41.8	79.0	104.4	76.0	0.6	33.8	6.6	61.0	34.6	14.8	18.7	503.2
Farmland Mgmt	SEC19 T09S R24W BDD	25.8	33.9	63.9	83.4	60.3	0.3	25.4	7.5	57.2	81.7	41.6	52.5	533.5
Farmland Mgmt	SEC19 T09S R24W BDA	15.8	20.7	38.7	50.3	36.4	0.2	15.9	4.9	35.1	49.5	25.2	32.2	324.9
Waymon Farms	SEC31 T09S R24W AAA	18.1	73.2	75.2	276.1	155.5	112.1	103.1	33.7	127.7	283.2	165.3	173.0	1596.2
Waymon Farms	(C-9-24) 31BBA	4.4	65.8	71.8	192.6	135.3	98.7	87.9	28.3	58.2	113.5	77.8	116.0	1050.3
W. Brand-D. Donnely	(C-9-25) 35ABA 2/3/	33.6	26.9	45.9	49.5	60.5	73.4	80.1	77.0	60.5	50.7	36.0	35.5	630.0
J W Cumings	(C-10-25) 1BBA	13.9	52.1	131.4	139.5	33.8	62.2	147.0	131.5	82.5	239.4	98.5	100.8	1232.6
P. Sibley	(C-10-25) 2CDA 2/3/	103.9	83.3	142.0	153.3	187.4	227.2	247.8	238.5	187.4	157.0	111.5	109.8	1950.0
J W Cumings	(C-10-25) 14ADB	29.1	10.3	75.0	57.4	0.0	62.0	78.6	42.6	0.0	0.0	82.3	81.3	518.6
C & J Cummings	(C-10-25) 26BAB 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
J. Barkley	(C-10-25) 35CBA 2/3/	25.6	20.5	34.9	37.7	46.1	55.9	61.0	58.7	46.1	38.6	27.5	27.0	480.0
Brown, Roger S.	(C-11-25) 2BBA	0.0	18.0	94.1	44.3	0.0	0.0	267.2	149.8	0.0	0.0	0.0	13.4	586.8
Hughes, Earl	(C-11-25) 3DAC	85.4	227.9	304.0	175.8	0.0	255.4	196.3	111.9	39.9	73.4	0.0	42.4	1512.4
SUBTOTALS, BELOW IMPERIAL DAM		4920.8	1482.2	2242.6	2573.1	2206.6	2588.4	3026.3	2745.5	2262.5	2369.5	1665.4	2008.1	30096.5

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1995
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOHAVE INDIAN RESERVATION PUMPED FROM RIVER AND WELLS	DIVERSION 7/	3	368	724	938	2529	2711	3418	4383	1254	2720	1394	922	21364
	RETURNS													
	CONSUMPTIVE USE													
CITY OF NEEDLES 4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	164	178	198	238	229	300	360	371	370	290	234	187	3119
	RETURNS 10/	76	90	112	138	142	170	195	172	195	172	118	127	1707
	CONSUMPTIVE USE	88	88	86	100	87	130	165	199	175	118	116	60	1412
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	DIVERSION	105094	52796	69756	55351	68716	89269	100747	112160	109708	98960	67317	67540	997414
	RETURNS 2/	292	306	268	271	250	241	207	206	229	251	245	275	3041
	CONSUMPTIVE USE	104802	52490	69488	55080	68466	89028	100540	111954	109479	98709	67072	67265	994373
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	DIVERSION	12	5	6	12	22	22	39	38	29	30	12	10	237
	RETURNS													
	CONSUMPTIVE USE													
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS 4 PUMPS FROM RIVER	DIVERSION 4/	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERSION 4/	52	210	570	800	1028	1232	1607	1277	1419	349	241	55	8840
	RETURNS													
	CONSUMPTIVE USE	52	210	570	800	1028	1232	1607	1277	1419	349	241	55	8840
CITY OF WINTERHAVEN 1 WELL SE SE NE SEC 27 T16S R22E SBM	DIVERSION 6/	7	6	9	10	12	15	16	16	13	10	8	7	129
	RETURNS													
	CONSUMPTIVE USE													
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	DIVERSION	13490	32330	69720	83520	95310	102800	110700	106900	81620	61540	46540	57330	861800
	RETURNS	27325	25519	31112	34204	38455	38340	42262	43867	41858	41137	35247	35875	435201
	CONSUMPTIVE USE	-13835	6811	38608	49316	56855	64460	68438	63033	39762	20403	11293	21455	426599
	WATER MANAGEMENT ACCT. CREDITS 8/	0	0	0	0	0	0	0	0	0	0	0	0	0
YUMA PROJECTS, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	1411	4106	5469	6339	4320	1706	1751	1837	2872	4617	2760	1751	38939
	RETURNS	55	53	85	90	55	28	26	27	56	76	52	55	658
	CONSUMPTIVE USE	1356	4053	5384	6249	4265	1678	1725	1810	2816	4541	2708	1696	38281
YUMA PROJECTS, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	1232	3926	4812	5259	6394	5831	4817	4035	4334	5946	3486	2771	52843
	RETURNS	31	30	43	44	53	55	58	35	61	66	44	63	583
	CONSUMPTIVE USE	1201	3896	4769	5215	6341	5776	4759	4000	4273	5880	3442	2708	52260
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS SUM YUMA PROJECTS, RES. DIV. USE	RETURNS 3/	2883	2993	4101	3555	3245	2826	2889	3465	3421	4261	3120	3614	40373
	CONSUMPTIVE USE	-326	4956	6052	7909	7361	4628	3595	2345	3668	6160	3030	790	50168
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	59236	170509	319366	345485	346146	351312	377522	341296	266899	253359	182669	158128	3171927
	RETURNS	4042	3934	8696	8644	8417	9705	13037	8974	10869	8192	6828	10007	101345
	CONSUMPTIVE USE	55194	166575	310670	336841	337729	341607	364485	332322	256030	245167	175841	148121	3070582
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION	12058	17800	24848	32846	35065	36207	38561	40295	34595	27274	22461	15795	337805
	RETURNS	823	411	677	822	853	1000	1332	1059	1409	882	840	1000	11108
	CONSUMPTIVE USE	11235	17389	24171	32024	34212	35207	37229	39236	33186	26392	21621	14795	326697

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1995
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Ida Cal	11N/22W -31BAB	17.5	177.9	112.8	192.2	346.3	62.0	131.4	189.6	0.0	0.0	0.0	0.0	1229.7
Ida Cal	11N/21E -36ADD	22.6	19.7	63.8	68.8	71.8	35.6	83.0	0.0	29.8	39.4	18.1	14.9	467.5
Ida Cal	11N/21E -36CDA	0.0	10.1	25.8	95.0	31.1	86.4	91.0	107.4	0.0	29.1	14.2	20.2	510.3
Southern Cal Gas	09N/23E -29DCA 4/	3.1	2.5	4.3	4.6	5.7	6.9	7.5	7.2	5.7	4.7	3.4	3.3	59.0
Havasu Water Company	T5N/R25E SEC31	3.1	2.5	2.8	1.3	5.4	5.5	7.6	7.6	7.1	3.3	7.1	4.3	57.6
SUBTOTALS, DAVIS DAM TO PARKER DAM		46.3	212.7	209.5	361.9	460.3	196.4	320.5	311.8	42.6	76.5	42.8	42.7	2324.1
Lye, C. L.	1S/24E -16Gb 2/4/	1.6	1.3	2.2	2.4	2.9	3.5	3.8	3.7	2.9	2.4	1.7	1.7	30.0
Picacho Development Corp		6.3	8.8	9.3	5.2	6.1	14	13.7	13.9	14.3	4.6	8.3	10.2	114.7
SUBTOTALS, PARKER DAM TO IMPERIAL DAM		7.9	10.1	11.5	7.6	9.0	17.5	17.5	17.6	17.2	7.0	10.0	11.9	144.7
Land, Ralph	SEC35 T15S R23E DDC 2/4/	38.4	30.7	52.4	56.6	69.2	83.9	91.5	88.1	69.2	58.0	41.2	40.5	720.0
Living Earth Frm	SEC02 T16S R23E BBC	22.7	16.2	25.9	24.3	17.8	21.9	17.0	87.5	46.2	12.2	29.2	23.5	344.4
Valdez, Mike	SEC22 T16S R23E BDD	10.4	115.4	124.3	111.2	58.3	0.0	31.4	16.9	144.5	188.0	35.0	28.5	863.9
Power, Pete	SEC14 T16S R23E CCB 2/4/	108.7	87.1	148.5	160.3	196.0	237.7	259.3	249.5	196.0	164.2	116.7	114.9	2040.0
Harp, P. (R. Harp)	(C-8-23)13AAD 2/4/	32.0	25.6	43.7	47.2	57.7	69.9	76.3	73.4	57.7	48.3	34.3	33.8	600.0
Horizon Farms	(C-8-22) 6CDA	72.6	263.1	340.9	329.2	309.8	217.8	202.2	305.9	261.8	235.9	251.5	278.7	3069.4
Horizon Farms	(C-8-22) 7BAB	24.3	10.5	42.1	64.0	153.1	98.0	107.7	166.9	105.3	87.5	77.8	13.0	950.2
Barrett	(C-8-22) 6BBD 2/4/	12.8	10.2	17.5	18.9	23.1	28.0	30.5	29.4	23.1	19.3	13.7	13.5	240.0
Ed Wavers Farms	(C-8-22) 6BCD	31.6	166.1	127.2	153.9	196.9	175.8	158.0	94.8	54.3	27.5	161.2	83.4	1430.7
Ed Wavers Farms	(C-8-22) 6CBA	51.8	141.0	161.2	178.2	69.7	183.1	209.8	157.2	90.7	89.1	132.9	81.0	1545.7
Berrymen	(C-16S-23E) 9CCA	29.4	67.3	109.2	153.6	107.3	14.8	10.3	76.9	138.3	188.6	49.2	47.5	992.4
Ed Wavers Farms	(C-8-22) 1BBA	5.7	39.8	11.4	45.5	28.4	48.4	85.3	76.8	17.1	0.0	8.5	0.0	366.9
Ed Wavers Farms	(C-8-23) 1BAD	5.7	42.7	0.0	31.3	14.2	31.3	19.9	14.2	8.5	0.0	0.0	0.0	167.8
Living Earth Fm	(C-8-23) 2ADC	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.4	0.0	19.4
Land, K. H.	(C-8-23) 2DDA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	48.9	62.2	28.1	188.1
Wilson Farms	(C-8-23) 12BBA	2.6	0.0	1.3	3.9	3.9	6.5	6.5	5.2	2.6	0.0	2.6	0.0	35.1
Horizon Farms	(C-8-23) 1DCC	0.0	5.2	20.7	20.7	24.6	27.2	0.0	53.1	79.1	40.2	38.9	18.1	327.8
Dees, Alex	(C-8-23) 1DAC	31.0	127.0	175.7	230.3	251.0	287.9	320.4	299.7	311.5	277.6	100.4	78.3	2490.8
Harp, Robert	(C-8-23) 12DAC 2/4/	51.2	41.0	69.9	75.5	92.3	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Horizon Farms	(C-8-23) 12CDB	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	107.9	89.3	134.8	332.0
Power, O. L.	(C-8-23) 11DCA	38.8	106.8	91.2	91.2	42.7	73.8	107.3	40.8	71.8	186.4	242.7	62.1	1155.6
Valdez, Mike	T16S R23E SEC 30ACC	54.4	68.7	0.0	0.0	41.5	41.5	16.9	3.9	5.2	198.3	286.5	76.5	793.4
Valdez, Mike	T16S R23E SEC 30ADD	122.0	126.9	272.0	202.7	169.8	115.4	26.4	225.8	375.8	487.9	163.2	441.7	2729.6
Unknown, I.D.	16S-22E 29DAD 2/4/	12.8	10.2	17.5	18.9	23.1	28.0	30.5	29.4	23.1	19.3	13.7	13.5	240.0
Wetmore, Kenneth C. 2/3/4/		0.3	0.2	0.4	0.4	0.5	0.6	0.7	0.7	0.5	0.4	0.3	0.3	5.4
Williams, Jerry 3/		0.0	0.1	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.0	0.1	1.1
Lindeman, William H. & Hazel D. 3/		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Carney, Jerome D. 3/4/		0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5
Phillips, Dorothy L. 3/4/		0.1	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	1.8
SUBTOTALS, BELOW IMPERIAL DAM		759.3	1502.1	1853.1	2018.0	1951.2	1903.6	1930.4	2213.8	2223.8	2563.1	2025.6	1665.9	22612.3
*** Total California Supplemental ***		814	1725	2074	2387	2420	2118	2268	2543	2284	2647	2078	1721	25081

1/ Calculated from monthly power records and power-discharge measurements where available, else from power-discharge rate.
2/ Calculated by assuming an annual diversion rate of 6 ac-ft per acre.
3/ Location of well/pump not reported.
4/ Reported annual total only, distributed monthly according to nearby users.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1995
STATE OF NEVADA

FINAL RECORDS

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY	DIVERSION 3/	1	1	2	2	2	2	3	3	2	2	1	1	22
	RETURNS													
	CONSUMPTIVE USE													
NEVADA TOTALS	DIVERSION	21317	22792	26038	30116	31425	32106	34705	34464	33513	34609	30808	27965	359858
	RETURNS	14283	11214	12581	13236	12480	10347	10400	10432	10695	11979	12309	12463	142419
	CONSUMPTIVE USE	7034	11578	13457	16880	18945	21759	24305	24032	22818	22630	18499	15502	217439
GROUNDWATER INJECTED STORAGE 5/														
LAS VEGAS VALLEY WATER DIST.	INJECTED	4165	3048	2587	121	0	0	0	0	0	0	2608	4133	16662
	WITHDRAWN	0	0	0	0	0	0	0	0	1619	1322	7	0	2948
CITY OF NORTH LAS VEGAS	INJECTED	434	333	336	320	221	0	0	0	0	293	266	308	2511
	WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0

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

-1721
215718

1/ No surface returns unless shown.
2/ Estimated return based on historic use method adopted by the task force on unmeasured return flows on August 28, 1984 and as revised.
3/ Details on Nevada Supplemental Sheets.
4/ User deliveries adjusted by weighted use to equal total diversion at Lake Mead.
5/ Beginning of year cumulative injected storage of 94968 AF plus current year increase in injected storage of 19173 AF less current year withdrawls from injected storage of 2948 AF yields year end total of 111193 AF injected storage. Beginning 1995 storage corrected by Nevada Division of Water Resources on 8/24/95.

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 1995

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 1995
STATE OF ARIZONA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
CENTRAL ARIZONA PROJECT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERTED	22688	11167	2645	1427	9163	7543	7472	2777	1737	3123	15457	2775	87974
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
	DIVERTED BY OTHERS													
	DELIVERED TO STORAGE 2/	22688	11167	2645	1427	9163	7543	7472	2777	1737	3123	15457	2775	87974
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	ORDERED BUT NOT DIVERTED	149	1771	1388	1089	2122	1825	456	79	512	2634	1111	2067	15203
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	24	795	621	873	1148	1133	361	56	345	678	430	879	7343
	DIVERTED BY OTHERS	125	922	698	216	974	692	95	11	167	1956	681	1188	7725
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	0	54	69	0	0	0	0	12	0	0	0	0	135
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	1476	2208	2876	2063	2227	1954	2011	724	1694	2779	2819	2162	24993
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	313	710	708	789	855	950	879	581	811	956	256	401	8209
	DIVERTED BY OTHERS	927	1462	2045	1274	1372	1004	1132	143	883	1823	2563	1761	16389
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	236	36	123	0	0	0	0	0	0	0	0	0	395
STURGES (WARREN ACT) 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 EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
WELLTON-MOHAWK I.& D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	2880	2924	3824	5324	3120	3001	2743	1093	2237	3725	6004	4465	41340
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	95	498	325	313	549	347	426	282	440	272	411	238	4196
	DIVERTED BY OTHERS	2267	2359	3291	5011	2571	2654	2317	811	1797	3453	5593	4227	36351
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	518	67	208	0	0	0	0	0	0	0	0	0	793
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	607	177	490	107	177	73	359	115	210	319	526	397	3557
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	56	38	56	8	16	46	61	75	38	73	12	36	515
	DIVERTED BY OTHERS	501	135	434	99	161	27	298	40	172	246	514	361	2988
	DELIVERED TO STORAGE 2/													
	DELIVERED TO MEXICO IN EXCESS OF TREATY	50	4	0	0	0	0	0	0	0	0	0	0	54

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 1995
STATE OF CALIFORNIA

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
METROPOLITAN WATER DISTRICT DIVERSION AT LAKE HAVASU	ORDERED BUT NOT DIVERTED	5026	6736	4850	4918	2530	3585	5437	2942	392	5544	4792	1299	48051
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	5026	6736	4850	4918	2530	3585	5437	2942	392	5544	4792	1299	48051
	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													
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	ORDERED BUT NOT DIVERTED	621	303	1864	2977	5831	5990	4245	4542	2499	1513	1468	1571	33424
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	113	18	756	1888	2696	3775	3564	3898	1968	161	492	926	20255
	DIVERTED BY OTHERS	415	277	1108	1089	3135	2215	681	567	531	1352	976	645	12991
	DELIVERED TO STORAGE 1/	93	8	0	0	0	0	0	77	0	0	0	0	178
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
YUMA PROJECT RESV. DIVISION DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	3219	4072	1795	970	2146	2114	2384	1980	926	746	3598	2825	26775
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	772	2781	288	228	839	1478	1857	1509	494	97	1109	1438	12890
	DIVERTED BY OTHERS	1751	1226	1408	742	1307	636	527	471	432	649	2489	1387	13025
	DELIVERED TO STORAGE 1/	696	65	99	0	0	0	0	0	0	0	0	0	860
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	11804	8759	3517	7990	1690	2473	863	1601	1660	2979	1456	430	45222
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2809	1797	811	1119	645	510	516	990	571	702	167	105	10742
	DIVERTED BY OTHERS	6000	6085	2575	6871	1045	1963	347	611	1089	2277	1289	325	30477
	DELIVERED TO STORAGE 1/	2995	877	131	0	0	0	0	0	0	0	0	0	4003
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED	823	240	528	288	393	428	24	258	220	502	204	541	4449
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	42	115	131	28	182	371	24	242	113	157	38	228	1671
	DIVERTED BY OTHERS	501	121	314	260	211	57	0	10	107	345	166	313	2405
	DELIVERED TO STORAGE 1/	280	4	83	0	0	0	0	6	0	0	0	0	373
	DELIVERED TO MEXICO IN EXCESS OF TREATY													
CALIFORNIA TOTALS	ORDERED BUT NOT DIVERTED	21493	20110	12554	17143	12590	14590	12953	11323	5697	11284	11518	6666	157921
	DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3736	4711	1986	3263	4362	6134	5961	6639	3146	1117	1806	2697	45558
	DIVERTED BY OTHERS	13693	14445	10255	13880	8228	8456	6992	4601	2551	10167	9712	3969	106949
	DELIVERED TO STORAGE 1/	4064	954	313	0	0	0	0	83	0	0	0	0	5414
	DELIVERED TO MEXICO IN EXCESS OF TREATY													

1/ Available for future use.

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1995

FINAL RECORDS (ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY AT NORTH INTERNATIONAL BOUNDARY 1/	123766	154761	172389	164659	164710	185727	196506	91890	82964	69709	95876	92910	1595867
DELIVERY AT SOUTH INT. LAND BOUNDARY	8182	9410	10990	11520	9695	8067	7803	9477	9701	11215	10350	10049	116459
TOTAL DELIVERY IN SATISFACTION OF TREATY	131948	164171	183379	176179	174405	193794	204309	101367	92665	80923	106225	102959	1712324
TO MEXICO AS SCHEDULED	124463	163088	183314	157029	151189	118256	125994	95786	92420	80232	105392	102838	1500001
TO MEXICO IN EXCESS OF SCHEDULE 2/	7485	1083	65	19150	23216	75538	78315	5581	245	691	833	121	212323
BYPASS PURSUANT TO MINUTE 242	11713	11184	9932	10296	11617	11308	12491	11400	8829	9731	6752	10223	125476

1/ Includes wasteway deliveries in satisfaction of treaty to the river limitrophe.
2/ Water that is lost to the United States through releases into the Colorado River at above Morelos Dam in excess of Lower Basin delivery orders and Mexican Treaty requirements. These excess waters exceed water orders in Mexico and are generally not diverted for beneficial use in Mexico.

DIVERSIONS FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 1995

FINAL RECORDS (ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GILA RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
SAN FRANCISCO RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0