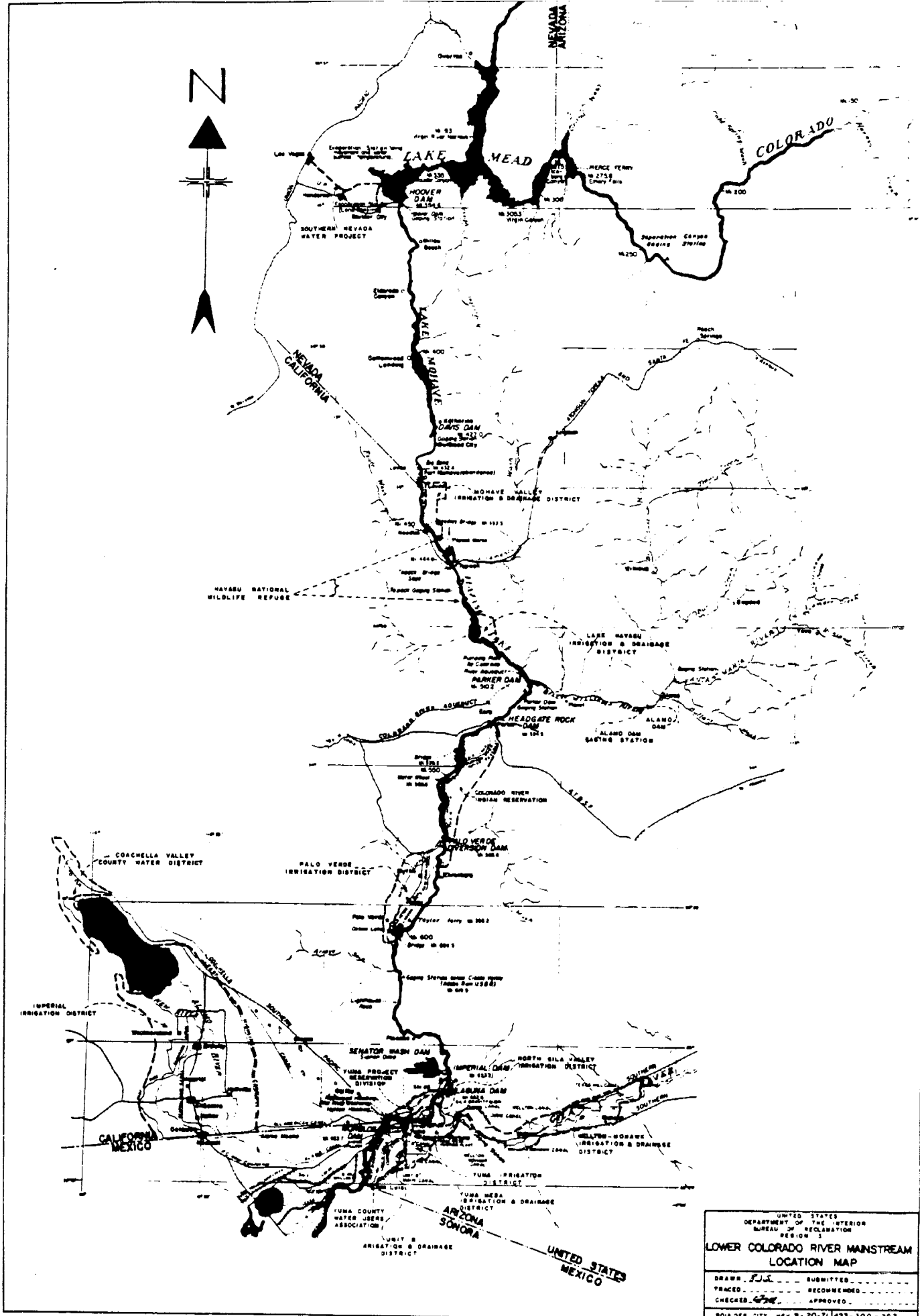


COMPILATION OF RECORDS IN
ACCORDANCE WITH ARTICLE V OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

C A L E N D A R Y E A R 1 9 8 7

Bureau of Reclamation
Lower Colorado Region
Boulder City, Nevada



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

DRAWN *J.P.H.* SUBMITTED _____
 TRACED _____ RECOMMENDED _____
 CHECKED *J.P.H.* APPROVED _____

BOULDER CITY, NEV. 9-20-71 423-100-357

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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 1987

The following tabulations for calendar year 1987 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 1987

(ACRE-FEET)

STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
HOOPER DAM	1622000	1139000	1137000	968100	989800	853500	845200	1022000	884000	685900	548200	639000	11334000
DAVIS DAM	1411000	1166000	1092000	1006000	927100	966000	1036000	1044000	840400	700500	423500	706800	11319000
PARKER DAM	1339000	1057000	937200	806400	737900	792400	857700	861200	702400	562600	348200	558500	9561000
HEADGATE ROCK DAM 2/	1319000	1013000	883000	744300	666200	710200	768600	781600	651700	530000	330800	536400	8935000
PALO VERDE DAM 3/	1219000	913400	808300	644200	618600	633000	653400	677800	600300	484200	262500	377100	7892000
IMPERIAL DAM 4/	696700	263000	128900	85270	65580	53330	62100	77660	91770	53970	34200	31190	1644000
LAGUNA DAM	695900	263900	135600	87100	68600	59210	65830	84950	94340	57000	35430	32990	1681000

1/ TOTALS ARE ROUNDED.

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

3/ MEASURED THROUGH THE GATES OF PALO VERDE DAM.

4/ INCLUDES DIVERSION TO MITTRY LAKE.

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

ARIZONA v. CALIFORNIA

DATED MARCH 9, 1964

CALENDAR YEAR 1987

The following tabulations for calendar year 1987 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 "kilowatt-hour 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 1987 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 1987
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
LAKE MEAD NAT'L RECREATION, AZ. DIVERSION FROM LAKE MOHAVE	16	16	19	31	41	48	47	50	42	33	15	11	369
	16	16	19	31	41	48	47	50	42	33	15	11	369
DIVERSION RETURNS													
CONSUMPTIVE USE													
L.C.R.D. PROJECT (DAVIS DAM) DIVERSION AT DAVIS DAM	1	1	3	2	3	2	2	4	2	4	2	0	26
	1	1	3	2	3	2	2	4	2	4	2	0	26
DIVERSION RETURNS													
CONSUMPTIVE USE													
MOHAVE COUNTY PARKS DIVERSION AT DAVIS DAM	5	5	7	12	14	15	10	13	8	9	10	4	112
	5	5	7	12	14	15	10	13	8	9	10	4	112
DIVERSION RETURNS													
CONSUMPTIVE USE													
BULLHEAD CITY PUMPED FROM WELLS	383	383	383	383	383	383	383	383	383	383	383	383	4596
	383	383	383	383	383	383	383	383	383	383	383	383	4596
DIVERSION RETURNS													
CONSUMPTIVE USE													
MOHAVE WATER CONSERVATION PUMPED FROM WELLS	16	14	16	23	31	36	36	32	30	29	24	22	309
	16	14	16	23	31	36	36	32	30	29	24	22	309
DIVERSION RETURNS													
CONSUMPTIVE USE													
CONSOLIDATED WATER UTILITIES PUMPED FROM RIVER	18	21	26	26	32	35	39	36	32	27	25	19	336
	18	21	26	26	32	35	39	36	32	27	25	19	336
DIVERSION RETURNS													
CONSUMPTIVE USE													
MOHAVE VALLEY I. & D. DISTRICT PUMPED FROM WELLS	776	788	1742	1797	2274	2956	3452	3559	2466	1343	762	601	22516
	776	788	1742	1797	2274	2956	3452	3559	2466	1343	762	601	22516
DIVERSION RETURNS													
CONSUMPTIVE USE													

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
FORT MOHAVE INDIAN RESERVATION 10 PUMPS AND WELLS IN FLOOD PLAIN													51916
DIVERSION 3/ RETURNS	169	496	2896	3610	3642	5816	6730	6663	2340	1197	914	3683	38156
CONSUMPTIVE USE	2	4	5	9	8	8	11	10	7	6	3	2	75
HAVASU NATIONAL WILDLIFE REFUGE INLET-NW NE NW SEC 33 T9N R5W G&SRM 1 WELL SEC15 T08N R23E AAA	171	500	2901	3619	3650	5824	6741	6673	2347	1203	917	3685	38231
DIVERSION	548	561	697	843	967	1101	1374	1245	1076	978	622	624	10636
RETURNS	548	561	697	843	967	1101	1374	1245	1076	978	622	624	10636
CONSUMPTIVE USE													
LAKE HAVASU IRRIGATION AND DRAINAGE DISTRICT PUMPED FROM WELLS	4914	10149	19595	31917	33377	47197	70764	67084	36344	13794	6141	13289	354565
DIVERSION	4914	10149	19595	31917	33377	47197	70764	67084	36344	13794	6141	13289	354565
RETURNS													
CONSUMPTIVE USE													
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	50	52	65	61	112	137	144	139	122	106	72	60	1120
DIVERSION	50	52	65	61	112	137	144	139	122	106	72	60	1120
RETURNS													
CONSUMPTIVE USE													
TOWN OF PARKER 1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	20035	44418	54167	62074	71676	82196	89059	79578	50659	32640	17450	22070	626022
DIVERSION	1	0	1	1	1	1	1	1	1	1	1	1	11
RETURNS	47	46	55	93	116	132	135	134	82	71	43	50	1004
DIVERSION 4/ RETURNS	16298	17572	22775	22491	25933	25128	25602	28714	26530	21930	18268	17196	268437
CONSUMPTIVE USE	3785	26892	31448	39677	45860	57201	63593	50999	24212	10782	-774	4925	358600
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM PUMPED FROM 2 WELLS IN PARKER 6 PUMPS													
DIVERSION	12	12	17	19	21	26	22	24	21	15	12	11	212
RETURNS	12	12	17	19	21	26	22	24	21	15	12	11	212
CONSUMPTIVE USE													
EHRENBERG IMPROVEMENT ASSN. 1 PUMP SW SEC 3 T3N R22W G&SRM													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	(ACRE-FEET)												TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
CIBOLA VALLEY IRRIGATION DISTRICT 5 PUMPS SEC S 20 & 21 T1N R23W G&SRM													
DIVERSION RETURNS	827	1647	2617	2640	3512	4355	3973	4061	3023	1151	53	363	28222
CONSUMPTIVE USE	827	1647	2617	2640	3512	4355	3973	4061	3023	1151	53	363	28222
CIBOLA NATIONAL WILDLIFE REFUGE 3 PUMPS													
DIVERSION RETURNS	208	120	116	473	387	394	297	142	446	1460	1349	905	6297
CONSUMPTIVE USE	208	120	116	473	387	394	297	142	446	1460	1349	905	6297
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM													
DIVERSION RETURNS	1	0	0	2	3	1	1	2	2	1	0	0	13
CONSUMPTIVE USE	1	0	0	2	3	1	1	2	2	1	0	0	13
WARREN ACT CONTRACTORS DIVERSION AT IMPERIAL DAM													
DIVERSION RETURNS	161	465	451	535	539	301	490	617	491	619	171	203	5043
CONSUMPTIVE USE	161	465	451	535	539	301	490	617	491	619	171	203	5043
WELLTON MOHAWK I. & D. DISTRICT DIVERSION AT IMPERIAL DAM													
DIVERSION RETURNS	18629	29563	36643	41971	45494	50352	55060	51077	46898	29304	24104	14609	443704
CONSUMPTIVE USE	12095	10653	12139	11617	10411	11679	13787	12462	8065	8005	6811	5988	123712
CONSUMPTIVE USE	6534	18910	24504	30354	35083	38673	41273	38615	38833	21299	17293	8621	319992
CITY OF YUMA DIVERSION AT IMPERIAL DAM													
DIVERSION RETURNS	1172	1124	1340	1616	1837	2007	2061	2028	1799	1472	1217	1145	18818
CONSUMPTIVE USE	702	704	73	711	716	653	717	717	763	733	741	754	7984
CONSUMPTIVE USE	470	420	1267	905	1121	1354	1344	1311	1036	739	476	391	10834
MARINE CORPS AIR STATION (YUMA) DIVERSION AT IMPERIAL DAM													
DIVERSION RETURNS	66	121	165	217	266	309	374	333	298	226	36	48	2459
CONSUMPTIVE USE	66	121	165	217	266	309	374	333	298	226	36	48	2459

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	(ACRE-FEET)												TOTALS 1/	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC		
SOUTHERN PACIFIC COMPANY DIVERSION AT IMPERIAL DAM	4	4	4	4	4	4	4	4	4	4	4	4	4	48
	4	4	4	4	4	4	4	4	4	4	4	4	4	48
COUNTY OF YUMA DIVERSION AT IMPERIAL DAM	1	1	1	1	1	1	1	1	1	1	1	1	1	12
	1	1	1	1	1	1	1	1	1	1	1	1	1	12
YUMA MESA FRUIT GROWERS ASSN. DIVERSION AT IMPERIAL DAM	1	1	1	1	1	1	1	1	1	1	1	1	1	12
	1	1	1	1	1	1	1	1	1	1	1	1	1	12
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM	36	68	40	56	52	128	135	111	110	64	43	52	52	895
	36	68	40	56	52	128	135	111	110	64	43	52	52	895
YUMA UNION HIGH SCHOOL DIVERSION AT IMPERIAL DAM	5	4	10	20	31	27	38	27	27	17	6	5	5	217
	5	4	10	20	31	27	38	27	27	17	6	5	5	217
CAMILLE, ALEC. JR. DIVERSION AT IMPERIAL DAM	1	1	1	1	4	5	2	2	2	1	0	1	1	21
	1	1	1	1	4	5	2	2	2	1	0	1	1	21
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM	4	7	1	0	6	13	13	15	14	0	0	4	4	77
	4	7	1	0	6	13	13	15	14	0	0	4	4	77

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
NORTH GILA VALLEY IRRIGATION DISTRICT													
DIVERSION AT IMPERIAL DAM	3383	3446	4094	4212	5752	5708	4527	2794	4437	4832	2552	2868	48605
RETURNS	2825	2729	2557	2317	2839	2954	2616	1642	2781	3394	2191	2208	31053
CONSUMPTIVE USE	558	717	1537	1895	2913	2754	1911	1152	1656	1438	361	660	17552
YUMA IRRIGATION DISTRICT													
DIVERSION AT IMPERIAL DAM	3322	4360	4512	6016	5686	5252	4595	5412	6746	5874	4370	3244	59389
DIVERSION PUMPED FROM PRIVATE WELLS	577	604	637	865	1073	1052	1067	930	838	677	381	714	9415
RETURNS	502	633	657	872	885	794	692	833	1068	955	692	528	9111
CONSUMPTIVE USE	3397	4331	4492	6009	5874	5510	4970	5509	6516	5596	4059	3430	59693
YUMA MESA I. & D. DISTRICT													
DIVERSION AT IMPERIAL DAM	13604	12667	14585	23010	26617	28748	32368	28135	23450	16485	8400	14911	242980
RETURNS	1017	961	328	1012	1953	1939	2006	2345	1429	2007	1575	1824	18396
CONSUMPTIVE USE	12587	11706	14257	21998	24664	26809	30362	25790	22021	14478	6825	13087	224584
UNIT "B" I. & D. DISTRICT													
DIVERSION AT IMPERIAL DAM	1606	1842	2446	3095	3116	3797	4427	3461	3317	2589	1434	2031	33161
RETURNS	180	170	58	179	345	342	354	414	252	354	278	322	3248
CONSUMPTIVE USE	1426	1672	2388	2916	2771	3455	4073	3047	3065	2235	1156	1709	29913
YUMA COUNTY WATER USERS ASSOCIATION													
DIVERSION AT IMPERIAL DAM	15163	15634	21352	30083	25549	26773	29727	31473	30250	37045	20802	14534	298385
PUMPED FROM WELLS	462	349	349	393	351	430	411	333	331	428	424	533	4794
RETURNS	9944	9295	9447	9649	9430	9391	9028	9232	9769	12315	11550	10349	119399
CONSUMPTIVE USE	5681	6688	12254	20827	16470	17812	21110	22574	20812	25158	9676	4718	183780
COCOPAH INDIAN RESERVATION													
DIVERSION AT IMPERIAL DAM	59	26	53	138	251	157	218	42	107	437	35	69	1592
PUMPED FROM WELLS	2	1	1	2	3	3	3	0	1	5	1	2	24
RETURNS	0	0	1	2	3	2	3	0	2	6	1	1	21
CONSUMPTIVE USE	61	27	53	138	251	158	218	42	106	436	35	70	1595
PUMPED FROM SOUTH GILA WELLS													
RETURNS 5/	4596	5114	5916	5286	5322	5276	5962	4714	2490	2760	2322	3404	53162
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY													
DIVERSION 6/	1376	2763	3267	6437	5602	5925	7509	6835	5079	3877	2164	1697	52531

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF ARIZONA

(ACRE-FEET)

FINAL RECORDS

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
ARIZONA TOTALS													
DIVERSION 7/ RETURNS	89023	134515	175608	229051	244371	281688	326932	303546	226307	161036	96166	100452	2368695
CONSUMPTIVE USE	48159	47831	53951	54136	57837	58158	60767	61073	53149	52459	44429	42574	634523
CONSUMPTIVE USE	40864	86684	121657	174915	186534	223530	266165	242473	173158	108577	51737	57878	1734172

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

- 1/ NO SURFACE RETURNS UNLESS SHOWN ON REPORT.
- 2/ REPORTED ANNUAL TOTAL.
- 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 UNASSIGNED TO DISTRICT 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/ MONTHLY FIGURES INCLUDE TOTAL OF ITEMS FOR WHICH MONTHLY DISTRIBUTION IS NOT SHOWN. DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN THE IMMEDIATE AREA.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1987
STATE OF ARIZONA

SUPPLEMENTAL SHEETS

(ACRE-FEET)

NAME OF PUMPER	LOCATION OF WELL/PUMP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Jack Siler	(B-04-22)14 BCB	277	604	523	756	821	826	836	846	601	487	358	145	7080
Jack Rayner Jr.	(B-04-22)34 DCC	0	63	284	902	150	106	1040	644	690	110	129	0	4118
Jack Rayner Jr.	(B-04-22)34 DCC	0	0	0	184	16	0	316	168	201	45	16	0	946
Geo Arakelian	(B-03-22)16 DBD	140	151	43	222	554	385	121	377	465	299	41	143	2940
Adrin Towery	(B-01022)21 BCD	2/												3600
L Pratt	Sec14 T7S R22W ABC	2/												210
L Pratt	Sec14 T7S R22W BCD	2/												210
A Dulin	SEC08 T08S R22E DAC	4	57	45	105	121	137	166	162	145	82	64	0	1088
A Dulin	SEC07 T08S R22W CCD	35	73	72	281	252	260	288	487	0	71	135	23	1977
Pete Auza	SEC18 T08S R22W CBD	29	66	52	158	200	215	247	215	207	196	104	100	1789
Pete Auza	SEC24 T08S R22W BDD	0	7	242	404	466	450	501	497	510	531	275	220	4103
Pete Auza	SEC18 T08S R22W DDD	2/												1590
R. Yowelman	SEC17 T08S R22W CCB	2/												720
Cameron Bros.	SEC24 T08S R22W CCB	8	32	47	66	71	61	73	21	0	20	0	7	406
Judd T. Ott	SEC30 T08S R22W BAB	6	6	7	12	20	38	31	42	0	9	10	12	193
Judd T. Ott	SEC19 T08S R22W CCD	100	62	53	49	76	86	96	110	83	66	54	124	959
Cameron Bros	SEC24 T08S R22W CAD	32	22	39	61	56	35	15	3	0	27	10	5	305
Harp (R. Harp)	SEC13 T08S R23W AAD	2/												1458
Ott	SEC24 T08S R23W DCC	28	28	30	65	62	38	0	0	0	0	55	45	351
Peach	SEC22 T08S R23W DDC	0	0	0	50	11	89	73	47	14	79	3	0	366
AZ Prod	SEC23 T08S R23W GDA	27	47	30	47	68	65	76	48	49	10	26	67	560
Yucca Pwr Plant	SEC36 T16S R12E CBA	4/												372
Dwane Slade	SEC28 T16S R22E CDA	1	9	4	27	19	9	12	20	16	0	19	19	155
Curtis Jennings	SEC29 T16S R22E DAC	0	0	0	0	0	0	0	27	0	42	1	14	84
R.E. Power P. Power	SEC30 T16S R22E ACC	2/												3900
Ansil Hall	SEC36 T16S R21E BCB	2/												480
Sturges	C-08-22 14CDD	127	262	337	445	336	523	619	508	218	375	50	159	3959
Sturges	C-08-22 18ADD	33	93	110	167	134	104	117	99	76	27	50	13	1023
Sturges	C-08-22 13BEB	1	52	5	28	61	96	117	97	60	4	1	11	533
Sturges	C-08-22 13DAD	24	40	81	93	60	93	123	65	61	32	18	2	692
Sturges	C-08-22 04DAA	0	95	92	187	200	169	167	157	79	108	68	43	1365
Sturges	C-08-21 18CDB	22	41	74	114	86	142	126	113	106	65	22	21	932
Sturges	C-08-21 18BAC	91	176	164	250	249	314	249	193	198	101	82	44	2111
Sturges	C-08-22 14CAA	48	96	127	170	128	197	235	184	41	133	38	58	1455
Sturges	C-08-21 18ECD	4	0	1	8	5	27	15	21	8	3	2	4	98
Ft. Mohave Farm	(B-17-22)27 CCD	2/												300
BLM PERMITTEES														102
MONTHLY DISTRIBUTION FOR THOSE NOT SHOWN 3/		339	681	805	1586	1380	1460	1850	1684	1251	955	533	418	
*** Total Arizona Supplemental ***		1376	2763	3267	6437	5602	5925	7509	6835	5079	3877	3877	1697	52531

- 1/ CALCULATED FROM MONTHLY POWER RECORDS AND POWER-DISCHARGE MEASUREMENTS WHERE AVAILABLE, AND WHERE POWER-DISCHARGE MEASUREMENTS WERE NOT AVAILABLE CALCULATED FROM POWER-DISCHARGE RATE.
- 2/ CALCULATED BY ASSUMING AN ANNUAL DIVERSION RATE OF 6 AC-FT PER ACRE UNLESS OTHERWISE NOTED.
- 3/ TOTAL OF ITEMS FOR USERS FOR WHICH MONTHLY DISTRIBUTION IS NOT SHOWN. DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN IMMEDIATE AREA.
- 4/ REPORTED ANNUAL TOTAL.

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER	(ACRE-FEET)												TOTALS 1/		
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC			
DIVERSION 7/ RETURNS CONSUMPTIVE USE															19578
FORT MOHAVE INDIAN RESERVATION PUMPED FROM RIVER AND WELLS															19578
CITY OF NEEDLES															
4 WELLS NW SW SEC 29 T9N R23E SBM	101	112	150	242	309	388	416	407	356	252	136	112			2981
	36	41	46	49	52	61	61	66	58	48	31	29			578
	65	71	104	193	257	327	355	341	298	204	105	83			2403
METROPOLITAN WATER DISTRICT															
DIVERSION FROM LAKE HAVASU	110272	102234	106256	110555	106460	111654	108318	109573	109706	103546	99899	103804			1282277
	329	288	321	288	290	252	255	253	242	295	300	328			3441
	109943	101946	105935	110267	106170	111402	108063	109320	109464	103251	99599	103476			1278836
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	7	7	10	17	28	34	36	39	32	25	12	8			255
	7	7	10	17	28	34	36	39	32	25	12	8			255
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS 2 PUMPS BIG RIVER	440	66	395	160	390	955	634	1381	347	41	27	62			4898
	35	35	41	84	79	118	138	62	74	81	45	42			834
	475	101	436	244	469	1073	772	1443	421	122	72	104			5732
CITY OF WINTERHAVEN															
1 WELL SE SE NE SEC 27 T16S R22E SBM	7	6	7	11	12	16	15	15	11	10	7	5			122
	7	6	7	11	12	16	15	15	11	10	7	5			122
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	33795	60098	72312	89723	90824	102269	107168	104550	76513	53701	35576	38041			864570
	31033	29170	38304	36801	39023	39919	41690	42329	39495	38774	34677	33219			444434
	2762	30928	34008	52922	51801	62350	65478	62221	37018	14927	899	4822			420136

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

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

YUMA PROJECTS, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	1382	2404	2087	3402	2220	3004	3971	2682	3664	3245	2447	1873	32381
RETURNS	12	14	13	26	19	26	36	24	43	38	39	14	304
CONSUMPTIVE USE	1370	2390	2074	3376	2201	2978	3935	2658	3621	3207	2408	1859	32077
YUMA PROJECTS, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	2930	3542	4545	5789	4782	5116	5263	3593	3126	5343	2614	2405	49048
RETURNS	14	13	18	28	25	27	30	22	23	37	23	11	271
CONSUMPTIVE USE	2916	3529	4527	5761	4757	5089	5233	3571	3103	5306	2591	2394	48777
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS	3028	2985	3179	3115	2867	2649	2722	2641	1847	1731	2865	2760	32389
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	146374	164480	248575	317808	304973	283644	314450	308481	259667	209218	127701	130615	2815986
RETURNS	2204	1871	3051	4814	5166	4836	5781	5741	5951	5507	4190	2009	51121
CONSUMPTIVE USE	144170	162609	245524	312994	299807	278808	308669	302740	253716	203711	123511	128606	2764865
COACHELLA VALLEY WATER DISTRICT DIVERSION AT IMPERIAL DAM	18018	21376	24301	33489	35638	36153	39159	43545	33320	23475	11621	18659	338754
RETURNS	271	243	298	507	604	616	720	810	764	618	381	287	6119
CONSUMPTIVE USE	17747	21133	24003	32982	35034	35537	38439	42735	32556	22857	11240	18372	332635
OTHER USER PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	740	572	1505	1352	1993	2343	1957	2517	2607	1630	1106	611	18933
CALIFORNIA TOTALS	314866	355523	461740	564030	549769	548117	583549	579448	492119	402253	282335	296869	5430618
RETURNS	36927	34625	45230	45628	48046	48386	51295	51886	48423	47048	42506	38657	538657
CONSUMPTIVE USE	277939	320898	416510	518402	501723	499731	532254	527562	443696	355205	239829	258212	4891961

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

- 1/ NO SURFACE RETURNS UNLESS SHOWN ON REPORT.
- 2/ ESTIMATE BASED ON MEASURED REGULATORY RESERVOIRS SEEPAGE RETURNS LESS AN ESTIMATED AMOUNT OF PHEAATOPHYTE USE.
- 3/ RETURNS UNASSIGNED INCLUDE UNKNOWN QUANTITIES OF DRAINAGE FROM THE INDIAN UNIT AND THE BARD UNIT IN THE RESERVATION DIVISION BUT EXCLUDES SEEPAGE FROM THE ALL-AMERICAN CANAL.
- 4/ CALCULATED USING MONTHLY POWER RECORDS.
- 5/ DETAILS ON CALIFORNIA SUPPLEMENTAL SHEETS.
- 6/ MONTHLY FIGURES INCLUDE TOTAL OF ITEMS FOR USERS FOR WHICH MONTHLY DISTRIBUTION IS NOT SHOWN. DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN IMMEDIATE AREA.
- 7/ CALCULATED BY ASSUMING AN ANNUAL DIVERSION OF 6 AC-FT PER IRRIGATED ACRE.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1987
STATE OF CALIFORNIA

SUPPLEMENTAL SHEETS

(ACRE-FEET)

NAME OF PUMPER	LOCATION OF WELL/PUMP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
C. L. Lye	T15N R24E SEC16 BAD 2/													30
Barrett (R. Harp)	SEC06 T08S R22W BCD 2/													900
Ralph Land	SEC35 T15S R23E DDC	2	0	0	114	22	136	145	126	156	0	0	0	700
Ralph Land	SEC22 T16S R23E BDD	8	0	35	29	39	54	68	61	107	55	54	0	510
Fete Power	SEC14 T16S R23E CCB 2/													1992
F. Perez (Slade)	SEC06 T08S R22W CDA	279	132	104	98	120	124	43	39	267	218	220	242	1886
M. Spencer	SEC09 T16S R23E CAC	42	32	51	2	81	41	8	0	231	72	101	0	661
M. Martin (A. Dees)	SEC01 T08S R23W BBA	0	0	88	41	3	24	20	17	0	0	0	0	193
M. Martin-A. Dees	SEC01 T08S R23W BAD	0	0	336	106	294	272	48	256	0	132	0	0	1444
F. Schaffer-Harp	SEC02 T08S R23W ADC 2/													330
Taylor Bros	SEC02 T08S R23W DDA	0	0	0	0	0	0	0	0	0	86	36	15	137
Wilson (R. Harp)	SEC12 T08S R23W BBA	32	35	74	82	109	85	132	130	121	50	65	38	953
Kitti Easterday	SEC01 T08S R23W DCC	46	0	94	86	103	115	146	140	146	69	71	0	1015
Hutcheson, John E.	SEC 27 T16S R23E SBM 4/													1
Wetmore, Mark M.	SEC 21 T16S R22E SBM 4/													9
Sherman, Margaret T.	SEC 21 T16S R22E SBM 4/													24
Bly, James R.	SEC 21 T16S R22E SBM 4/													3
Glynn, Edward	SEC 21 T16S R22E SBM 4/													1
Larry Kennedy	T11N R22E SEC31 BAD 2/													1
Russell Bros.	T11N R22E SEC36 DAC 2/													600
Southern Cal Gas	T09E R23E SEC29 DDD 4/													720
Alex Dees	SEC01 T8S R23W	65	71	55	173	241	218	238	239	317	212	61	52	1942
E. Evans (R. Harp)	SEC12 T8S R23W	0	0	0	0	0	197	67	169	83	0	3	0	519
P. Harp (R. Harp)	SEC12 T8S R23W													882
K. Easterday	SEC1 T8S R23W	25	108	152	158	264	223	312	373	239	173	117	37	2181
F. Smith (P. Power)	SEC11 T8S R23W	14	18	54	48	105	134	129	194	140	62	39	39	976
BLM PERMITTEES														254
MONTHLY DISTRIBUTION FOR THOSE NOT SHOWN														
		227	176	462	415	612	720	601	773	801	501	340	188	
*** Total California Supplemental***														
		740	572	1505	1352	1993	2343	1957	2517	2607	1650	1106	611	18933

1/ CALCULATED FROM POWER RECORDS AND POWER-DISCHARGE MEASUREMENTS WHERE AVAILABLE, AND WHERE POWER-DISCHARGE MEASUREMENTS WERE NOT AVAILABLE CALCULATED FROM POWER-DISCHARGE RATE.
2/ CALCULATED BY ASSUMING AN ANNUAL DIVERSION OF 6 AC-FT PER IRRIGATED ACRE UNLESS OTHERWISE NOTED.
3/ TOTAL OF ITEMS FOR USERS FOR WHICH MONTHLY DISTRIBUTION IS NOT SHOWN. DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN IMMEDIATE AREA.
4/ REPORTS ANNUAL TOTAL.

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF NEVADA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
Boulder Canyon Project Diversion at Hoover Dam	10	9	10	11	11	12	12	7	6	9	7	8	112
Diversion Returns	9	9	10	9	10	9	0	0	0	0	0	0	66
Consumptive Use	1	0	0	1	2	2	3	7	6	9	7	8	46
Robert B. Griffith Water Project Diversion at Saddle Island, Lake Mead	9640	9885	11813	15274	16640	17133	19704	16312	19137	13811	9129	8922	167400
Diversion Returns	9640	9885	11813	15274	16640	17133	19704	16312	19137	13811	9129	8922	167400
Consumptive Use													
Lake Mead National Recreation Area Diversion at Lake Mead	55	54	43	61	82	84	102	95	91	75	50	48	840
Diversion Returns	55	54	43	61	82	84	102	95	91	75	50	48	840
Consumptive Use													
Basic Management Inc. Diversion at Saddle Island, Lake Mead	770	691	930	893	988	1356	1338	1519	1360	1114	951	810	12720
Diversion Returns	770	691	930	893	988	1356	1338	1519	1360	1114	951	810	12720
Consumptive Use													
Nevada State Department of Fish & Game Diversion at Saddle Island, Lake Mead	390	352	385	341	348	350	362	364	351	381	364	376	4364
Diversion Returns	389	351	385	340	348	350	361	363	350	381	364	376	4358
Consumptive Use	1	1	0	1	0	0	1	1	1	0	0	0	6
Pacific Coast Building Products Inc. Diversion at Gypsum Wash, Lake Mead	39	36	40	46	55	56	53	50	56	57	22	62	572
Diversion Returns	39	36	40	46	55	56	53	50	56	57	22	62	572
Consumptive Use													
Southern California Edison Pumped from Sec 24 T32S R66E MDB&M	1021	1142	1295	943	796	1217	1664	1504	1535	722	600	1216	13655
Diversion Returns	1021	1142	1295	943	796	1217	1664	1504	1535	722	600	1216	13655
Consumptive Use													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1987
STATE OF NEVADA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
CLARK COUNTY PARKS & RECREATION DEPT. 1 PUMP SEC 1 T32S R66E MDB&M	0	0	0	1	1	1	1	1	1	0	0	0	6
CONSUMPTIVE USE	0	0	0	1	1	1	1	1	1	0	0	0	6
BIG BEND WATER DISTRICT													
DIVERSION RETURNS	94	90	104	123	148	165	206	202	166	163	134	123	1718
CONSUMPTIVE USE	94	90	104	123	148	165	206	202	166	163	134	123	1718
LAS VEGAS WASH RETURN FLOWS													
RETURNS 2/	8310	7170	7970	7570	7510	7170	7240	7120	6990	7060	7010	7020	88140
OTHER USERS IN NEVADA PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN													
DIVERSION 3/													40
NEVADA TOTALS													
DIVERSION 4/	12022	12262	14623	17696	19073	20378	23446	20058	22706	16335	11260	11568	201427
RETURNS	8708	7530	8365	7920	7867	7530	7610	7483	7340	7441	7374	7396	92564
CONSUMPTIVE USE	3314	4732	6258	9776	11206	12848	15836	12575	15366	8894	3886	4172	108863

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

1/ NO SURFACE RETURNS UNLESS SHOWN ON REPORT.

2/ ESTIMATED BASED ON HISTORIC USE METHOD ADOPTED BY THE TASK FORCE ON UNMEASURED RETURN FLOWS ON AUGUST 28, 1984.

3/ DETAILS ON NEVADA SUPPLEMENTAL SHEET.

4/ MONTHLY FIGURES INCLUDE TOTAL OF ITEMS FOR USERS FOR WHICH MONTHLY DISTRIBUTION IS NOT SHOWN. DISTRIBUTED ACCORDING TO MONTHLY DISTRIBUTION OF OTHER USERS IN IMMEDIATE AREA.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1987
STATE OF NEVADA

(ACRE-FEET)

SUPPLEMENTAL SHEETS

NAME OF PUMPER	LOCATION OF WELL/PUMP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Wiebke, Ethyl F.	SEC 33 T32S R66E	MDB&M 2/												1
Portenier, Warren E.	SEC 33 T32S R66E	MDB&M 2/												21
Soper, Irwin	SEC 33 T32S R66E	MDB&M 2/												4
Knight, John B.	SEC 33 T32S R66E	MDB&M 2/												5
Boy Scouts of America	SEC 5 T33S R66E	MDB&M 2/												9

***Total Nevada Supplemental ***

40

2/ REPORTS ANNUAL TOTAL.

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 1987

The following tabulations for calendar year 1987 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 for Nevada so no sheet is included in Nevada. The storage capacity of Lake Mead is so large in relation to the present daily diversions from the reservoir by Nevada that any "water ordered but not diverted" would be retained for future use and would have no significant effect on scheduling of daily operations of the reservoir.

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 1987
 STATE OF ARIZONA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CENTRAL ARIZONA PROJECT DIVERSION AT LAKE HAVASU	1310	4720	4471	0	8655	17388	0	0	2105	4806	7056	5851	56362
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1310	4720	4471	0	8655	17388	0	0	2105	4806	7056	5851	56362
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	1553	1749	2444	2743	2043	2003	2122	1626	1071	1273	899	1311	20837
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	109	409	309	474	446	466	119	139	506	303	149	726	4155
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1444	1340	2135	2269	1597	1537	2003	1487	565	724	750	454	16305
YUMA PROVING GROUND U.S. ARMY DIVERSION AT IMPERIAL DAM 1/	0	0	0	0	0	0	0	0	0	246	0	131	377
ORDERED BUT NOT DIVERTED 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/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	331	399	639	1035	1279	1434	1591	1267	748	744	996	982	11445
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	167	139	238	635	545	754	918	760	436	52	173	367	5184
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	164	139	401	400	734	680	673	507	312	623	643	615	5891
WARREN ACT CONTRACTORS GILA PROJECT DISTRICTS DIVERSION AT IMPERIAL DAM 1/	0	0	0	0	0	0	0	0	0	69	180	0	249
ORDERED BUT NOT DIVERTED 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/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
AND
CALENDAR YEAR 1987
STATE OF ARIZONA

(ACRE-FEET)

WATER USER	(ACRE-FEET)												TOTALS
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
WELLTON-MOHAWK I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	3152	2866	3572	3741	6331	2041	4382	2961	4921	9644	5984	8311	57906
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1371	1238	680	1099	1932	553	1946	1121	1369	867	298	2001	14475
DIVERTED BY OTHERS	1781	1628	2892	2642	4399	1488	2436	1840	3552	8505	4609	5122	40894
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	272	1077	1188	2537
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	633	565	714	575	1033	1184	1347	2973	1208	1736	1010	1599	14577
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	255	393	260	256	430	450	528	1960	607	309	323	482	6253
DIVERTED BY OTHERS	278	172	454	319	603	734	819	1013	601	1354	576	865	7788
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	73	111	252	436
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	1424	1091	2951	2120	1494	355	210	643	2477	3100	3838	4015	23718
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	494	672	1006	563	553	149	38	518	839	282	230	184	5528
DIVERTED BY OTHERS	930	419	1945	1557	941	206	172	125	1628	2572	3120	1961	15576
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	246	488	1870	2604
UNIT "B" I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	393	430	240	238	246	1291	300	593	653	375	488	514	5761
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	256	244	75	119	83	647	192	442	303	93	52	50	2556
DIVERTED BY OTHERS	137	186	165	119	163	644	108	151	350	282	321	406	3032
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	115	58	173
CITY OF YUMA DIVERSION AT IMPERIAL DAM	30	0	0	0	0	0	15	227	204	265	242	52	1035
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	26	0	0	0	0	0	10	145	200	118	114	18	631
DIVERTED BY OTHERS	4	0	0	0	0	0	5	82	4	76	82	23	276
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	46	11	57

RELEASE OF MAINSTREAM WALEK FURSUANI TO OTHERS
 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 1987
 STATE OF ARIZONA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
YUMA COUNTY WATER USERS ASSN.	2802	2834	2473	1208	3480	2566	2219	2161	714	2775	2549	5077	30858
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2446	2278	2333	856	2357	1827	1469	1381	700	1238	1199	1784	19868
DIVERTED BY OTHERS	356	556	699	352	1123	739	750	780	14	798	859	2255	9281
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	739	491	1038	2268
COCOPA INDIAN RESERVATION DIVERSION AT IMPERIAL DAM	8	4	4	4	25	11	13	2	2	28	4	20	125
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	7	3	4	3	17	8	9	1	2	13	2	7	76
DIVERTED BY OTHERS	1	1	0	1	8	3	4	1	0	8	1	9	37
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	7	1	4	12
ARIZONA TOTALS	11636	14658	17508	11664	24586	28273	12199	12453	14103	24746	23066	27732	222624
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	5131	5376	4905	4005	6363	4854	5229	6467	4962	3275	2540	5619	58726
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	6405	9161	13162	7659	18223	23419	6970	5986	9131	19748	18017	17561	155442
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	1652	2509	4552	8713

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

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 1987
 STATE OF CALIFORNIA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
METROPOLITAN WATER DISTRICT DIVERSION AT LAKE HAVASU	2768	1086	3534	3445	3700	2346	4082	8227	4294	4954	5101	4696	48233
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2768	1086	3534	3445	3700	2346	4082	8227	4294	4954	5101	4696	48233
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	1321	1218	1736	3126	3431	3513	8813	6101	3644	1478	2083	1640	38104
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	230	424	492	496	843	992	674	1597	825	399	327	210	7509
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1091	794	1244	2630	2588	2521	8139	4504	2819	960	1756	1244	30290
YUMA PROJECT RESV. DIVISION BARD UNIT DIVERSION AT IMPERIAL DAM	1212	718	1438	988	1916	1047	903	1497	557	777	1719	2072	14844
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	1051	562	1206	592	1287	690	782	1076	500	391	890	732	9759
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	161	156	232	396	629	358	121	421	57	154	470	1031	4186
YUMA PROJECT RESV. DIVISION INDIAN UNIT DIVERSION AT IMPERIAL DAM	589	464	617	557	853	593	615	1124	636	459	1582	1537	9626
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	510	363	518	333	280	390	533	808	571	231	819	542	5898
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	79	101	99	224	573	202	82	316	65	91	432	764	3028
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	781	5590	1226	2793	4108	482	716	3437	1789	9618	10903	6153	47596
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	781	381	244	672	1002	65	204	2446	1549	702	1012	165	9223
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	5209	982	2121	3106	417	512	991	240	1811	1901	2205	19495
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	0	0	0	0	0	0	0	0	0	7105	7990	3783	18878

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 AND
 CALENDAR YEAR 1987
 STATE OF CALIFORNIA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
COACHELLA WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	579	1571	1870	724	1022	75	188	331	22	835	1964	426	9607
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	565	668	1234	345	659	73	186	298	12	547	1053	42	5682
DIVERTED BY OTHERS	14	903	636	379	363	2	2	33	10	177	594	313	3426
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	111	317	71	499
CALIFORNIA TOTALS	7250	10647	10421	11633	15030	8056	15317	20717	10942	18121	23352	16524	168010
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	3137	2398	3694	2438	4071	2210	2379	6225	3457	2270	4101	1691	38071
DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	4113	8249	6727	9195	10959	5846	12938	14492	7485	8147	10254	10253	108658
	0	0	0	0	0	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0	0	7335	8307	4040	19682

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 1987

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
 AND
 WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
 CALENDAR YEAR 1987

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY 1/	55371	62173	198624	219701	129714	175113	210784	222945	113499	77017	89178	145881	1700000
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS 2/	1030559	703819	351467	70085	91182	60006	43663	64333	133788	183975	98251	213096	3044224

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

2/ INCLUDES 97,741 ACRE-FEET BYPASS DELIVERED PURSUANT TO MINUTE 242.

RECORDS OF DIVERSIONS OF WATER FROM THE
MAINSTREAM OF THE GILA AND SAN FRANCISCO RIVERS
AND THE CONSUMPTIVE USE OF SUCH WATER, FOR THE BENEFIT
OF THE GILA NATIONAL FOREST IN ACCORDANCE WITH
ARTICLE V(E) OF THE DECREE OF
THE SUPREME COURT OF THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

CALENDAR YEAR 1987

DIVERIONS OF WATER FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
 AND
 CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
 CALENDAR YEAR 1987

(ACRE-FEET)

	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

REVISION OF RECORDS
FOR CALENDAR YEAR 1986

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1986
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
PALO VERDE IRRIGATION DISTRICT													
DIVERSION FROM PALO VERDE DAM	36978	52948	81433	94553	90705	96735	102825	107300	81490	47312	42723	36986	871988
RETURNS	32480	31070	38070	39180	42530	41560	43690	44910	44780	40580	35340	33220	467410
CONSUMPTIVE USE	4498	21878	43363	55373	48175	55175	59135	62390	36710	6732	7383	3766	404578
YUMA PROJECTS, RES. DIV. INDIAN UNIT													
DIVERSION AT IMPERIAL DAM	1900	2264	3036	3386	2443	1498	2402	2957	2673	2439	1611	1102	27711
RETURNS	6	13	16	24	4	6	4	6	22	13	18	2	134
CONSUMPTIVE USE	1894	2251	3020	3362	2439	1492	2398	2951	2651	2426	1593	1100	27577
YUMA PROJECTS, RES. DIV. BARD UNIT													
DIVERSION AT IMPERIAL DAM	3075	2894	5019	5938	4775	4560	5254	3912	3086	3412	2546	2336	46807
RETURNS	6	12	16	25	6	9	7	6	14	13	16	4	134
CONSUMPTIVE USE	3069	2882	5003	5913	4769	4551	5247	3906	3072	3399	2530	2332	46673
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS													
RETURNS 2/	2409	2398	3362	3406	2836	2758	2975	3367	2576	3388	3126	2699	35300
IMPERIAL IRRIGATION DISTRICT													
DIVERSION AT IMPERIAL DAM	154910	146651	269599	313405	305741	276393	276108	260943	245604	179661	148749	124764	2702528
RETURNS	1106	1725	2633	4235	1208	1621	1158	1089	3726	2061	3036	556	24154
CONSUMPTIVE USE	153804	144926	266966	309170	304533	274772	274950	259854	241878	177600	145713	124208	2678374
COACHELLA VALLEY WATER DISTRICT													
DIVERSION AT IMPERIAL DAM	19104	15049	29477	33913	37190	37641	40290	42870	33466	21851	17183	14631	342665
RETURNS	136	190	287	459	147	221	169	180	507	251	350	66	2963
CONSUMPTIVE USE	18968	14859	29190	33454	37043	37420	40121	42690	32959	21600	16833	14565	339702

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1986
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
DIVERSION	300526	319810	500219	567991	559719	536562	547229	538903	479379	369673	324070	295122	5339241
RETURNS	36524	35742	44745	47664	47071	46504	48364	49904	51973	46665	42220	36915	534291
CONSUMPTIVE USE	264002	284068	455474	520327	512648	490058	498865	488999	427406	323008	281850	258207	4804950
CALIFORNIA TOTALS													