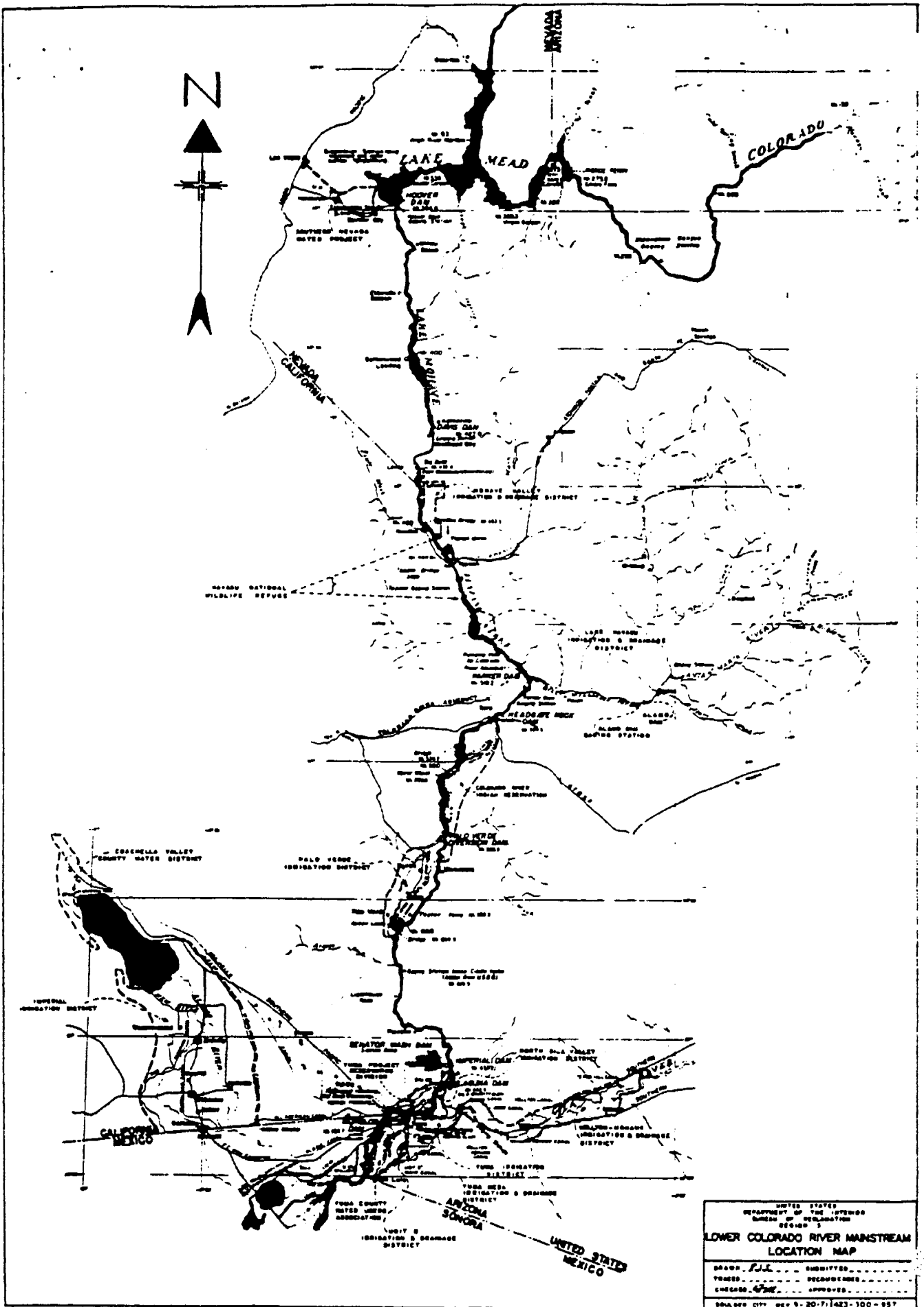


COMPILATION OF RECORDS IN
ACCORDANCE WITH ARTICLE V OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

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

Bureau of Reclamation

Lower Colorado Region
Boulder City, Nevada



UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 SECTION 3
**LOWER COLORADO RIVER MAINSTREAM
 LOCATION MAP**
 DRAWN BY *R.J.L.* SUBMITTED BY _____
 TRACED BY *R.J.L.* RECHECKED BY _____
 CHECKED BY *R.J.L.* APPROVED BY _____
 SDA, DENVER CITY, DEN. 9-20-71, 423-300-957

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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 1989

The following tabulations for calendar year 1989 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 "Diversion 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 1989

(ACRE- FEET)

STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
HOOPER DAM	506800	529000	890000	975100	1124000	966600	901500	871000	648600	629100	588300	594600	9225000
DAVIS DAM	388700	563900	943600	1087000	926700	982800	1130000	1013000	766200	606800	426400	445700	9281000
PARKER DAM	279100	452300	727500	863900	699400	705600	829500	707300	578700	493200	308400	285800	6931000
HEADGATE ROCK DAM 2/	264300	417000	645500	794300	622500	617700	737800	631300	517200	455000	281700	256900	6241000
PALO VERDE DAM 3/	238000	348400	560600	705600	541100	510800	630200	551600	488600	410100	250100	241400	5477000
IMPERIAL DAM 4/	29910	23260	33070	32660	35530	33250	38490	47210	38990	30230	23450	21760	387800
LAGUNA DAM	33170	26340	33430	36990	34880	33220	41530	51670	38330	33400	27800	26200	417000

1/ TOTALS ARE ROUNDED.

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

3/ RELEASES THROUGH PALO VERDE DAM ARE CALCULATED AS FLOW AT COLORADO RIVER BELOW PALO VERDE DAM LESS FLOW AT THE TWO COLORADO RIVER INDIAN RESERVATION DRAINS ENTERING BETWEEN PALO VERDE DAM AND GAGING STATION AT COLORADO RIVER BELOW PALO VERDE DAM.

4/ INCLUDES DIVERSION TO HITTRY 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 1989

The following tabulations for calendar year 1989 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 1989 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 1989
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	15	13	20	26	32	12	47	46	37	22	17	14	301
	15	13	20	26	32	12	47	46	37	22	17	14	301
DIVERSION RETURNS													
CONSUMPTIVE USE													
L.C.R.D. PROJECT (DAVIS DAM) DIVERSION AT DAVIS DAM	5	4	5	7	10	15	13	13	14	13	12	11	122
	5	4	5	7	10	15	13	13	14	13	12	11	122
DIVERSION RETURNS													
CONSUMPTIVE USE													
MOHAVE COUNTY PARKS DIVERSION AT DAVIS DAM	2	5	11	17	13	13	18	13	12	7	6	6	123
	2	5	11	17	13	13	18	13	12	7	6	6	123
DIVERSION RETURNS													
CONSUMPTIVE USE													
BULLHEAD CITY PUMPED FROM WELLS	277	196	318	424	444	490	555	554	506	454	381	318	4917
	277	196	318	424	444	490	555	554	506	454	381	318	4917
DIVERSION RETURNS													
CONSUMPTIVE USE													
MOHAVE WATER CONSERVATION PUMPED FROM WELLS													405
													405
DIVERSION RETURNS													
CONSUMPTIVE USE													
CONSOLIDATED WATER UTILITIES PUMPED FROM RIVER	21	19	25	29	34	37	42	39	36	29	23	21	355
	21	19	25	29	34	37	42	39	36	29	23	21	355
DIVERSION RETURNS													
CONSUMPTIVE USE													
MOHAVE VALLEY I. & D. DISTRICT PUMPED FROM WELLS	737	1420	3152	2843	3345	4171	5291	4586	3921	2255	1838	1757	35316
	737	1420	3152	2843	3345	4171	5291	4586	3921	2255	1838	1757	35316
DIVERSION RETURNS													
CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
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 6 PUMPS AND WELLS IN FLOOD PLAIN													59244
													59244
DIVERSION RETURNS													
CONSUMPTIVE USE													388
GOLDEN SHORES WATER CONSERVATION DIST. PUMPED FROM WELLS BY DISTRICT AND INDIVIDUAL PUMPERS													388
DIVERSION RETURNS													
CONSUMPTIVE USE													42987
HAVASU NATIONAL WILDLIFE REFUGE INLET-NW NE NW SEC 33 T9N R55W G6SRM SEC15 T8N R23E	689	2080	5930	5660	3530	6170	7620	5890	3820	1312	286	0	42987
	3	10	28	27	17	29	36	28	18	6	2	1	205
DIVERSION RETURNS													
CONSUMPTIVE USE	692	2090	5958	5687	3547	6199	7656	5918	3838	1318	288	1	43192
LAKE HAVASU IRRIGATION AND DRAINAGE DISTRICT PUMPED FROM WELLS	716	734	927	1069	1208	1337	1486	1477	1318	1114	943	874	13203
	716	734	927	1069	1208	1337	1486	1477	1318	1114	943	874	13203
DIVERSION RETURNS													
CONSUMPTIVE USE													
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	9209	12221	68771	64615	68881	118096	149093	146430	65033	20369	15624	20665	759007
	9209	12221	68771	64615	68881	118096	149093	146430	65033	20369	15624	20665	759007
DIVERSION RETURNS													
CONSUMPTIVE USE													
TOWN OF PARKER 1 WELL-NW NW NW SEC 7 T9N R19W G6SRM	45	53	77	100	114	129	140	131	111	93	59	55	1107
	45	53	77	100	114	129	140	131	111	93	59	55	1107
DIVERSION RETURNS													
CONSUMPTIVE USE													
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 4 WELL PUMPS	14760	35320	82090	69650	76880	87910	91660	75990	61530	38242	26694	28894	689610
	71	67	98	126	140	160	161	150	137	113	90	76	1389
DIVERSION RETURNS	16020	15450	23280	22810	23600	20350	24920	26900	26030	23974	20368	19444	263146
CONSUMPTIVE USE	-1189	19937	58908	46966	53420	67720	66901	49240	35637	14381	6416	9516	427853

DIVERIONS FROM MAINSTAYS AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
EHRENBURG IMPROVEMENT ASSN.													
1 PUMP SW SEC 3 T3N R22W G6SRM	12	14	17	24	26	39	43	48	30	29	24	18	324
DIVERSION RETURNS													
CONSUMPTIVE USE	12	14	17	24	26	39	43	48	30	29	24	18	324
CIBOLA VALLEY IRRIGATION DISTRICT													
5 PUMPS SEC'S 20 & 21 T1N R23W G6SRM	387	1482	3323	2320	2198	3967	4493	3637	2516	828	487	554	26192
DIVERSION RETURNS													
CONSUMPTIVE USE	387	1482	3323	2320	2198	3967	4493	3637	2516	828	487	554	26192
CIBOLA NATIONAL WILDLIFE REFUGE													
3 PUMPS	701	211	162	1175	950	1227	859	1055	998	1311	1973	1474	12096
DIVERSION RETURNS													
CONSUMPTIVE USE	701	211	162	1175	950	1227	859	1055	998	1311	1973	1474	12096
IMPERIAL NATIONAL WILDLIFE REFUGE													
2 WELLS SEC 13 T5S R22W G6SRM													210
DIVERSION RETURNS													210
CONSUMPTIVE USE													210
YUMA PROVING GROUND													
DIVERSION AT IMPERIAL DAM	0	3	2	0	2	0	1	1	3	1	0	0	13
DIVERSION RETURNS													
CONSUMPTIVE USE	0	3	2	0	2	0	1	1	3	1	0	0	13
WARREN ACT CONTRACTORS													
DIVERSION AT IMPERIAL DAM	169	218	363	493	442	548	805	338	428	379	228	388	4799
DIVERSION RETURNS													
CONSUMPTIVE USE	169	218	363	493	442	548	805	338	428	379	228	388	4799
MELLTON MOHAWK I. & D. DISTRICT													
DIVERSION AT IMPERIAL DAM	14365	28252	48715	51797	46080	46979	48595	41335	50823	33127	28109	21055	459232
DIVERSION RETURNS	13132	11762	10993	10010	10640	7672	10223	10955	12474	12954	13132	13077	137024
CONSUMPTIVE USE	1233	16490	37722	41787	35440	39307	38372	30380	38349	20173	14977	7978	322208

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
CITY OF YUMA													
DIVERSION AT IMPERIAL DAM	1243	1175	1578	1796	2030	2236	2246	1989	1916	1777	1539	1417	20942
RETURNS	814	655	798	723	780	805	805	904	800	850	774	883	9591
CONSUMPTIVE USE	429	520	780	1073	1250	1431	1441	1085	1116	927	765	534	11351
MARINE CORPS AIR STATION (YUMA)													
DIVERSION AT IMPERIAL DAM	12	48	156	194	185	245	237	231	221	185	77	48	1839
CONSUMPTIVE USE	12	48	156	194	185	245	237	231	221	185	77	48	1839
SOUTHERN PACIFIC COMPANY													
DIVERSION AT IMPERIAL DAM	4	4	4	4	4	4	4	4	4	4	4	4	48
CONSUMPTIVE USE	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	12
CONSUMPTIVE USE	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	12
CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	1	1	12
UNIVERSITY OF ARIZONA													
DIVERSION AT IMPERIAL DAM	60	61	57	73	106	111	122	65	98	74	15	75	917
CONSUMPTIVE USE	60	61	57	73	106	111	122	65	98	74	15	75	917
YUMA UNION HIGH SCHOOL													
DIVERSION AT IMPERIAL DAM	2	6	13	17	18	27	30	25	8	18	3	5	172
CONSUMPTIVE USE	2	6	13	17	18	27	30	25	8	18	3	5	172

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
CAMILLE, ALEC. JR. DIVERSION AT IMPERIAL DAM	0	2	3	5	4	4	3	0	1	1	1	1	25
	CONSUMPTIVE USE												
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM	2	7	7	7	15	12	11	10	9	8	6	5	99
	CONSUMPTIVE USE												
NORTH GILA VALLEY IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	2512	3149	4880	5813	5834	4330	3097	1706	3607	5464	4517	3106	48015
	RETURNS												
	CONSUMPTIVE USE												
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM PUMPED FROM PRIVATE WELLS	2271	3574	4787	5728	4396	3938	3411	3195	5454	4863	3651	3697	48965
	RETURNS												
	CONSUMPTIVE USE												
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	9188	12008	16695	24827	27057	30224	29784	23723	22003	18672	12984	12040	239205
	RETURNS												
	CONSUMPTIVE USE												
UNIT "B" I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	1584	1676	2495	3260	3658	3953	3651	3105	2812	3118	1840	2045	33197
	RETURNS												
	CONSUMPTIVE USE												
YUMA COUNTY WATER USERS ASSOCIATION DIVERSION AT IMPERIAL DAM PUMPED FROM WELLS	11963	17510	30320	39777	30250	25794	23901	24536	31046	39336	25188	17078	316699
	RETURNS												
	CONSUMPTIVE USE												

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
STATE OF ARIZONA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
COCOPAH INDIAN RESERVATION													
DIVERSION AT IMPERIAL DAM	41	49	105	109	135	91	248	19	241	323	69	55	1485
PUMPED FROM WELLS	3	2	2	2	3	3	5	0	9	6	2	3	40
RETURNS	1	1	1	1	2	2	5	0	5	6	2	1	27
CONSUMPTIVE USE	43	50	106	110	136	92	248	19	245	323	69	57	1498
PUMPED FROM SOUTH GILA WELLS													
RETURNS	5020	4260	5009	5106	4214	2488	4321	4162	3206	2602	3531	3457	47376
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY													
DIVERSION	1847	2438	4554	5497	6244	5611	7087	4934	2878	3403	2310	2232	49035
ARIZONA TOTALS													
DIVERSION	77146	129230	287555	295324	293947	357265	395468	352075	267406	183280	133781	122369	2894846
RETURNS	50966	48514	60067	58457	58556	46573	56228	57074	59860	58421	55577	54856	665149
CONSUMPTIVE USE	26180	80716	227488	236867	235391	310692	339240	295001	207546	124859	78204	67513	2229697

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/ 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 USERS 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 1989
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(BBD) 2/	47	138	793	513	704	321	795	1213	664	248	87	100	6000
Jack Rayner Jr.	(B-04-22)34 DCC(GDD)	19	37	0	0	0	0	0	0	0	0	0	0	5623
Jack Rayner Jr.	(B-04-22)34 DCC(DGD) 2/													56
Geo Arakelian	(B-03-22)16 DBD(DAD) 2/													2202
Adrin Towery	(B-01022)21 BGD 2/													2759
L Pratt	Sec14 T7S R22W ABC 2/													420
A Dulin	SEC08 T08S R22E DAC	127	66	95	134	234	208	247	347	162	151	45	95	1911
A Dulin	SEC07 T08S R22W CCD	35	37	119	101	171	165	273	293	80	39	0	132	1445
Pete Auza	SEC18 T08S R22W CBD	37	94	125	303	201	48	0	0	0	0	0	0	808
Pete Auza	SEC24 T08S R22W RDD	204	214	275	537	593	217	8	0	0	425	440	171	3084
Pete Auza	SEC18 T08S R22W DDD 2/													1590
R. Yowelman	SEC17 T08S R22W CCB 2/	8	27	104	107	175	137	149	101	14	27	36	61	720
Cameron Bros.	SEC24 T08S R22W CCB	15	15	34	41	42	96	92	10	8	29	19	33	946
Judd T. Ott	SEC19 T08S R22W BAB	140	97	66	63	67	127	144	92	76	71	55	98	434
Judd T. Ott	SEC24 T08S R22W CAD	8	11	83	75	149	108	128	78	12	21	55	49	1096
Cameron Bros	SEC13 T08S R23W AAD 2/													777
Harp (R. Harp)	SEC24 T08S R23W DCC	109	57	77	81	102	136	133	71	85	85	76	80	1458
Ott	SEC22 T08S R23W DDC	0	0	0	49	65	27	59	46	0	0	0	15	1092
Peach	SEC23 T08S R23W CDA	0	2	1	3	5	4	5	2	5	7	1	0	261
AZ Prod	SEC36 T16S R12E CBA 4/													35
Yuca Pwr Plant	SEC28 T16S R22E CDA	12	10	1	25	25	25	11	0	7	31	15	7	498
Dwane Slade	SEC29 T16S R22E DAC	11	12	3	43	42	71	37	0	45	98	38	24	169
Curtis Jennings	SEC30 T16S R22E ACC 2/													424
R.E. Power P. Power	SEC36 T16S R21E BCB 2/													2850
Ansil Hall	SEC33 T08S R24W BAB 2/													480
Burrell	SEC25 T16S R21E 2/													300
West Cocopa RV	C-08-22 14CDD	21	40	99	98	67	215	303	158	106	98	59	28	343
Sturges	C-08-22 18ADD	36	78	110	142	163	179	207	66	66	97	96	48	1292
Sturges	C-08-22 13B8B	26	65	81	121	104	120	201	81	46	36	7	9	1287
Sturges	C-08-22 13DAD	41	24	106	155	131	144	179	40	55	29	14	70	896
Sturges	C-08-22 04DAA	37	70	129	120	167	224	364	42	104	121	67	112	988
Sturges	C-08-21 18CDB	64	134	164	156	132	181	212	24	38	106	56	55	1322
Sturges	C-08-21 18BAC	63	112	133	209	253	269	335	92	49	153	119	99	1886
Sturges	C-08-22 14CAA	18	30	51	85	60	183	253	147	96	84	49	23	1079
Sturges	C-08-21 18BCD	9	56	41	44	34	42	23	11	1	0	0	0	261
Sturges	C-08-22 15DDD	17	31	32	81	46	107	78	35	1	78	47	25	578

BLM PERMITTEES 4/

MONTHLY DISTRIBUTION FOR THOSE NOT SHOWN 3/

743 981 1832 2211 2512 2257 2851 1985 1158 1369 929 897

PUMPAGE FROM COLORADO RIVER
AND HELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1989
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/-
		1847	2438	4554	5497	6244	5611	7087	4934	2878	3403	2310	2232	49035

*** Total Arizona Supplemental ***

- 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/ REPORTS ANNUAL AMOUNT.

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
STATE OF CALIFORNIA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
FORT MOHAVE INDIAN RESERVATION PUMPED FROM RIVER AND WELLS													
DIVERSION RETURNS	121	118	220	295	344	406	473	449	383	269	168	149	21072
CONSUMPTIVE USE	33	30	39	47	50	55	63	62	55	47	36	34	551
	88	88	181	248	294	351	410	387	328	222	132	115	2844
CITY OF NEEDLES													
DIVERSION RETURNS	92520	91441	99037	97278	100348	96214	106952	105256	104897	107457	93309	109869	1204578
CONSUMPTIVE USE	321	280	292	261	274	250	218	160	235	291	290	316	3188
	92199	91161	98745	97017	100074	95964	106734	105096	104662	107166	93019	109553	1201390
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM													
DIVERSION RETURNS	10	6	23	32	33	34	39	38	38	24	15	16	308
CONSUMPTIVE USE	10	6	23	32	33	34	39	38	38	24	15	16	308
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS 3 PUMPS BIG RIVER													
DIVERSION RETURNS	57	370	276	219	291	235	503	375	331	298	466	261	3682
CONSUMPTIVE USE	75	87	120	156	181	195	216	216	191	159	122	79	1797
	132	457	396	375	472	430	719	591	522	457	588	340	5479
CITY OF WINTERHAVEN 1 WELL SE SE NE SEC 27 T16S R22E SBM													
DIVERSION RETURNS	27210	57920	82375	95129	96200	107486	121192	107248	82732	58743	48322	50869	935426
CONSUMPTIVE USE	26932	30200	34931	37515	44774	56440	46122	44397	43635	41898	38805	37728	483377
	278	27720	47444	57614	51426	51046	75070	62851	39097	16845	9517	13141	452049

DIVERSIONS FROM MAINSTREAM AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
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	3330	4419	4834	6349	5664	6173	5613	2813	5850	9373	5879	3261	63558
RETURNS	78	39	46	56	47	90	80	21	93	131	157	45	883
CONSUMPTIVE USE	3252	4380	4788	6293	5617	6083	5533	2792	5757	9242	5722	3216	62675
YUMA PROJECTS, RES. DIV. BARD UNIT													
DIVERSION AT IMPERIAL DAM	2013	2735	3211	4640	4877	4199	3949	2426	2914	4613	2534	1906	40017
RETURNS	35	16	21	28	28	42	39	13	33	45	46	18	364
CONSUMPTIVE USE	1978	2719	3190	4612	4849	4157	3910	2413	2881	4568	2488	1888	39653
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETRUNS													
RETURNS	2188	2220	2729	2553	2119	2255	2966	2975	2443	3541	3314	2756	32059
IMPERIAL IRRIGATION DISTRICT													
DIVERSION AT IMPERIAL DAM	116837	186958	305180	358319	320896	298735	333803	299346	265076	260229	187164	153268	3085811
RETURNS	5516	3227	5677	6124	5216	8148	9199	4547	8203	7192	9319	3992	76360
CONSUMPTIVE USE	111321	183731	299503	352195	315680	290587	324604	294799	256873	253037	177845	149276	3009451
COACHELLA VALLEY WATER DISTRICT													
DIVERSION AT IMPERIAL DAM	16913	21040	33112	38815	39590	38089	41180	39505	34498	25967	20626	19255	368590
RETURNS	798	363	616	663	643	1039	1135	600	1068	718	1027	501	9171
CONSUMPTIVE USE	16115	20677	32496	38152	38947	37050	40045	38905	33430	25249	19599	18754	359419
OTHER USER PUMPING FROM COLORADO RIVER AND HELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY													
DIVERSION	846	1157	2845	1686	2804	2509	2435	1205	2326	1721	1316	1144	21994
CALIFORNIA TOTALS													
DIVERSION	260748	367367	533977	604544	573933	556695	618704	560039	501480	470513	361190	341180	5750370
RETURNS	35901	36375	44351	47247	53151	68319	59822	52775	55765	53863	52994	45390	605953
CONSUMPTIVE USE	224847	330992	489626	557297	520782	488376	558882	507264	445715	416650	308196	295790	5144417

NOTE: THE TERM 'CONSUMPTIVE USE' IN THIS TABULATION MEANS MEASURED DIVERSIONS INCLUDING UNDERGROUND PUMPING, LESS MEASURED RETURN FLOW AND LESS CURRENT ESTIMATE MEASURED 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 PHEATOPHYTE 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.
- 8/ REPORTS ANNUALLY.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1989
STATE OF CALIFORNIA

SUPPLEMENTAL SHEETS

(ACRES-FEET)

NAME OF PUMPER	LOCATION OF WELL/PUMP	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Barrett (R. Harp)	SEC06 T08S R22W BCD 2/													600
Barrett (R. Harp)	SEC06 T08S R22W CBD 2/													600
Ralph Land	SEC35 T15S R23E DDC	75	92	184	162	146	132	118	168	123	0	0	91	1291
Ralph Land	SEC22 T16S R23E RDD	81	76	227	118	280	258	154	109	554	109	154	115	2235
Pete Power	SEC14 T16S R23E CCB 2/													1992
F. Perez (Slade)	SEC06 T08S R22W CDA	145	474	505	224	462	442	434	171	265	411	542	417	4492
M. Spencer	SEC09 T16S R23E CAC	45	35	133	35	249	37	14	44	15	407	122	50	1186
M. Martin (A. Dees)	SEC01 T08S R23W BBA	18	6	18	12	15	20	23	15	3	0	0	9	139
H. Martin-A. Dees	SEC01 T08S R23W BAD	23	19	49	26	15	34	45	42	45	19	0	19	336
F. Schaffer-Harp	SEC02 T08S R23W ADC 2/													330
Taylor Bros	SEC02 T08S R23W DDA	16	27	44	30	23	48	54	6	4	4	0	0	256
Wilson (R. Harp)	SEC12 T08S R23W BBA	53	47	159	121	130	256	206	85	103	106	82	53	1401
Kitti Easterday	SEC01 T08S R23W DCC 2/	0	0	182	67	140	109	149	17	144	75	0	0	883
Alex Dees	(C-8-23)11DAC	70	49	253	230	298	294	323	136	243	72	93	51	2112
E. Evans (R. Harp)	(C-8-23)12AAD	35	3	13	0	0	1	0	0	0	0	0	0	52
P. Harp (R. Harp)	(C-8-23)12DAB	35	29	287	158	273	203	244	89	239	87	6	60	882
K. Easterday	(C-8-23)12CDB	66	48	172	136	163	129	141	61	82	57	31	30	1710
F. Smith (P. Power)	(C-8-23)11DCA													1116
Wetmore, Kenneth C.														5
Sherman, Maragret T.														24
Southern Cal Gas	T09E R23E SEC29 DDD 4/													106
BLM PERMITTEES														246
MONTHLY DISTRIBUTION FOR THOSE NOT SHOWN		184	252	619	367	610	546	530	262	506	374	286	249	
*** Total California Supplemental***		846	1157	2845	1686	2804	2509	2435	1205	2326	1721	1316	1144	21994

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/ LOCATION OF WELL/PUMP WAS NOT REPORTED. REPORTS ANNUAL AMOUNT.

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1989
STATE OF NEVADA

FINAL RECORDS

(ACRE-FEET)

WATER USER	(ACRE-FEET)												TOTALS 1/
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
BOULDER CANYON PROJECT DIVERION AT HOOVER DAM	DIVERSION	2	1	3	3	3	4	7	6	9	2	3	48
	RETURNS	1	1	2	1	1	2	5	4	7	1	1	29
	CONSUMPTIVE USE	1	0	1	2	2	2	2	2	2	1	2	19
BOULDER CITY DIVERION AT HOOVER DAM	DIVERSION	0	0	0	0	0	0	0	0	0	8	2	10
	RETURNS	0	0	0	0	0	0	0	0	0	4	1	5
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	4	1	5
ROBERT B. GRIFFITH WATER PROJECT DIVERION AT SADDLE ISLAND, LAKE HEAD	DIVERSION	12174	12638	18223	22437	21913	23152	27583	24960	22626	16871	14891	240070
	RETURNS												
	CONSUMPTIVE USE	12174	12638	18223	22437	21913	23152	27583	24960	22626	16871	14891	240070
LAKE HEAD NATIONAL RECREATION AREA DIVERION AT LAKE HEAD	DIVERSION	43	44	64	86	96	124	129	122	119	71	61	1055
	RETURNS												
	CONSUMPTIVE USE	43	44	64	86	96	124	129	122	119	71	61	1055
BASIC MANAGEMENT INC. DIVERION AT SADDLE ISLAND, LAKE HEAD	DIVERSION	567	620	801	930	988	1009	1071	1047	639	619	539	9405
	RETURNS												
	CONSUMPTIVE USE	567	620	801	930	988	1009	1071	1047	639	619	539	9405
NEVADA STATE DEPARTMENT OF FISH & GAME DIVERION AT SADDLE ISLAND, LAKE HEAD	DIVERSION	375	342	376	326	315	301	319	296	338	331	341	3959
	RETURNS	375	342	375	326	315	300	319	296	338	330	341	3955
	CONSUMPTIVE USE	0	0	1	0	0	1	0	0	1	1	0	4
PACIFIC COAST BUILDING PRODUCTS INC. DIVERION AT GYPSUM WASH, LAKE HEAD	DIVERSION	69	62	49	70	70	70	70	70	68	61	54	783
	RETURNS												
	CONSUMPTIVE USE	69	62	49	70	70	70	70	70	68	61	54	783

DIVERSIONS FROM MAINS^{1/} AND M-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCHE WATER
CALENDAR YEAR 1989
STATE OF NEVADA

FINAL RECORDS

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS 1/
SOUTHERN CALIFORNIA EDISON													
PUMPED FROM SEC 24 T32S R66E MDB&M	1164	1203	1548	979	1426	1702	1533	1517	994	930	669	600	14265
DIVERSION RETURNS													
CONSUMPTIVE USE	1164	1203	1548	979	1426	1702	1533	1517	994	930	669	600	14265
BIG BEND WATER DISTRICT													
1 PUMP SEC 13 T32S R66E MDB&M	183	174	207	234	283	303	363	435	394	304	307	252	3439
DIVERSION RETURNS													
CONSUMPTIVE USE	183	174	207	234	283	303	363	435	394	304	307	252	3439
LAS VEGAS WASH RETURN FLOWS													
RETURNS 2/	9550	9310	9590	9560	9050	8600	9450	9620	8810	9860	9430	10020	112850
OTHER USERS IN NEVADA PUMPING FROM COLORADO RIVER AND HELLS IN FLOOD PLAIN													
DIVERSION 3/													18
NEVADA TOTALS													
DIVERSION RETURNS	14578	15085	21272	25067	25096	26668	31074	28456	25085	24987	18940	16744	273052
CONSUMPTIVE USE	9926	9653	9967	9887	9366	8903	9771	9921	9112	10205	9765	10363	116839
CONSUMPTIVE USE	4652	5432	11305	15180	15730	17765	21303	18535	15973	14782	9175	6381	156213

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 SHEETS.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1989
STATE OF NEVADA

NAME OF PUMPER	LOCATION OF WELL/PUMP	SUPPLEMENTAL SHEETS (ACRE-FEET)													
		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/	
Boy Scouts of America															9
Noon Properties															8
Edward Crocker															1
*** Total Nevada Supplemental ***															
1/ REPORTS ANNUAL TOTAL															
18															

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 1989

The following tabulations for calendar year 1989 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 1989
STATE OF ARIZONA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CENTRAL ARIZONA PROJECT DIVERSION FROM LAKE HAVASU	1893	534	0	0	5019	0	0	10720	24041	7356	0	0	49563
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1893	534	0	0	5019	0	0	10720	24041	7356	0	0	49563
DIVERTED BY OTHERS													
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY													
COLO. RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK	1619	2289	1148	684	1131	9402	16806	14866	218	1297	1063	1755	52278
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1619	2289	1148	684	1131	9402	16806	14866	218	1297	1063	1755	52278
DIVERTED BY OTHERS	510	1188	647	645	742	2549	5835	3788	218	555	488	672	17837
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	649	815	501	39	389	6853	10114	9071	0	591	575	1083	30680
	460	286	0	0	0	0	857	2007	0	151	0	0	3761
YUMA PROVING GROUND U.S. ARMY DIVERSION AT IMPERIAL DAM 1/													
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													
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	2414	1726	1549	1527	1922	1519	2527	1156	740	478	1658	2666	19882
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2414	1726	1549	1527	1922	1519	2527	1156	740	478	1658	2666	19882
DIVERTED BY OTHERS	198	664	785	442	159	292	575	32	300	24	236	327	4034
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1111	1008	764	1085	1763	1227	1500	999	359	412	1422	2339	13989
	1105	54	0	0	0	0	452	125	81	42	0	0	1859

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

AND

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1989
STATE OF ARIZONA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
HARREN ACT CONTRACTORS GILA PROJECT DISTRICTS DIVERSION AT IMPERIAL DAM 1/	149	202	375	476	434	532	780	333	442	377	218	365	4683
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
DELIVERED TO STORAGE 2/	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	8297	3334	6530	7232	13623	7460	12609	15362	4703	10610	6323	9199	105282
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	282	863	752	1277	1218	1244	1694	621	301	708	153	942	10055
DIVERTED BY OTHERS	3326	2322	5778	5955	12405	6216	4955	12202	3613	8559	6170	8257	79758
DELIVERED TO STORAGE 2/	4689	149	0	0	0	0	5960	2539	789	1343	0	0	15469
DELIVERED TO MEXICO IN EXCESS OF TREATY	1579	914	1841	1152	1525	843	1418	2247	1728	2947	1904	595	18693
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	87	192	918	371	188	250	234	95	383	321	266	52	3357
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	772	649	923	781	1337	593	551	1611	1057	2303	1678	543	12798
DIVERTED BY OTHERS	720	73	0	0	0	0	633	541	288	323	0	0	2578
DELIVERED TO STORAGE 2/	6401	4901	2902	1827	3344	1624	4346	6970	3023	5447	4124	4592	49501
DELIVERED TO MEXICO IN EXCESS OF TREATY	301	1398	1652	430	129	708	121	133	1182	294	268	169	6785
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	3490	3057	1250	1397	3215	916	629	4677	1690	4562	3856	4423	33162
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2610	446	0	0	0	0	3596	2160	151	591	0	0	9554
DIVERTED BY OTHERS	500	319	472	313	468	625	863	1573	472	768	557	488	7418
DELIVERED TO STORAGE 2/	8	109	288	42	8	85	123	103	163	65	30	32	1056
DELIVERED TO MEXICO IN EXCESS OF TREATY	238	202	184	271	460	540	458	1143	287	580	527	456	5346
UNIT "B" I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	254	8	0	0	0	0	282	327	22	123	0	0	1016

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

AND
QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1989
STATE OF ARIZONA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CITY OF YUMA DIVERSION AT IMPERIAL DAM	45	0	0	145	0	0	139	377	257	24	162	106	1255
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	12	0	0	118	0	0	35	54	230	15	80	76	620
DIVERTED BY OTHERS	9	0	0	27	0	0	45	181	15	6	82	30	395
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	24	0	0	0	0	0	59	142	12	3	0	0	240
YUMA COUNTY WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	6185	5276	4070	3814	4977	4146	5538	6907	1382	3368	5197	5171	56031
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1648	2021	2997	3098	2063	1305	1402	970	1234	2095	2581	3707	25121
DIVERTED BY OTHERS	1199	2604	1073	716	2914	2841	1782	3321	83	783	2616	1464	21396
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	3338	651	0	0	0	0	2354	2616	65	490	0	0	9514
COCOPAH INDIAN RESERVATION DIVERSION AT IMPERIAL DAM	15	13	12	9	19	13	41	4	7	25	12	13	183
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	4	5	9	7	8	4	11	0	6	15	6	9	84
DIVERTED BY OTHERS	3	6	3	2	11	9	13	2	1	6	6	4	66
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	8	2	0	0	0	0	17	2	0	4	0	0	33
ARIZONA TOTALS	29097	19508	18899	17179	32462	26164	45067	60515	37013	32697	21218	24950	364769
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	3050	6440	8048	6430	4515	6437	10030	5796	4017	4092	4108	5986	68949
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	12690	11197	10476	10273	27513	19195	20047	43927	31146	25158	16932	18599	247153
	13208	1669	0	0	0	0	14210	10459	1408	3070	0	0	44024

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

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

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
CALENDAR YEAR 1989
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	280	59	163	0	1152	386	0	344	0	143	91	0	2618
ORDERED BUT NOT TAKEN DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	280	59	163	0	1152	386	0	344	0	143	91	0	2618
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	1855	2097	2122	3124	2975	3888	3749	3094	3074	1523	877	789	29167
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	551	803	1906	2045	1359	1321	1392	460	2545	934	432	381	14129
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	427	760	216	1079	1616	2567	2282	1755	-1	369	445	408	11923
YUMA PROJECT RESV. DIVISION BARD UNIT DIVERSION AT IMPERIAL DAM	1948	895	1271	581	1244	696	1446	2969	621	0	1916	2575	16162
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	224	335	1146	278	797	351	192	536	547	0	899	1422	6727
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	486	445	125	303	447	345	574	1737	72	0	1017	1153	6704
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	1238	115	0	0	0	0	680	696	2	0	0	0	2731
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	15961	1127	809	2043	3265	3804	2616	4231	175	145	1896	1968	38040
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1073	202	432	1113	692	428	458	58	91	85	214	603	5449
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	1301	925	377	930	2573	3376	2045	2636	1	10	1682	1365	17221
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	13587	0	0	0	0	0	113	1537	83	50	0	0	15370
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	541	662	432	1170	434	60	121	901	40	536	609	659	6165
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	155	274	395	540	224	6	109	175	40	238	383	383	2922
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	126	332	37	630	210	54	12	389	0	82	226	276	2374
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY													
DIVERTED BY OTHERS	260	56	0	0	0	0	0	337	0	216	0	0	869
DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY													

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

QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 AND
 CALENDAR YEAR 1989
 STATE OF CALIFORNIA

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTALS
CALIFORNIA TOTALS	20585	4840	4797	6918	9070	8834	7932	11539	3910	2347	5389	5991	92152
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN	0	0	0	0	0	0	0	0	0	0	0	0	0
SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
DIVERTED BY OTHERS	2003	1614	3879	3976	3072	2106	2151	1229	3223	1257	1928	2789	29227
DELIVERED TO STORAGE 2/	2620	2521	918	2942	5998	6728	4913	6861	72	604	3461	3202	40840
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	15962	705	0	0	0	0	868	3449	615	486	0	0	22085

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 1989

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERIES TO MEXICO IN SATISFACTION OF TREATY	85074	103941	175154	216955	139775	111692	170339	174040	92064	64451	69754	96761	1500000
PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS 1/	50628	14938	13211	10341	10697	7665	21276	25156	23692	22852	13998	13778	228232

1/ INCLUDES 138,624 ACRE-FEET BYPASS DELIVERED PURSUANT TO MINUTE 242.

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 1989

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 1989

DIVERSTIONS OF WATER FROM MAINSTAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 1969

(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