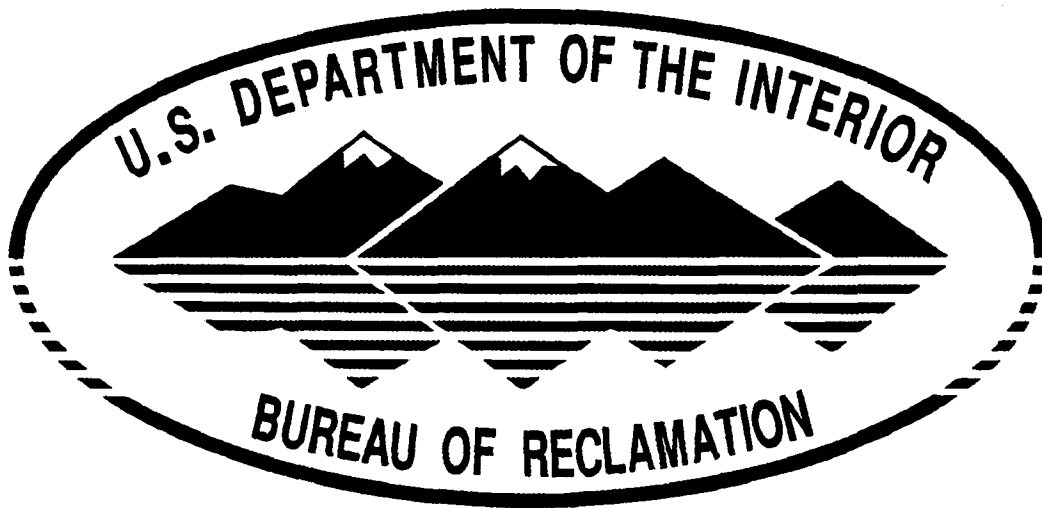
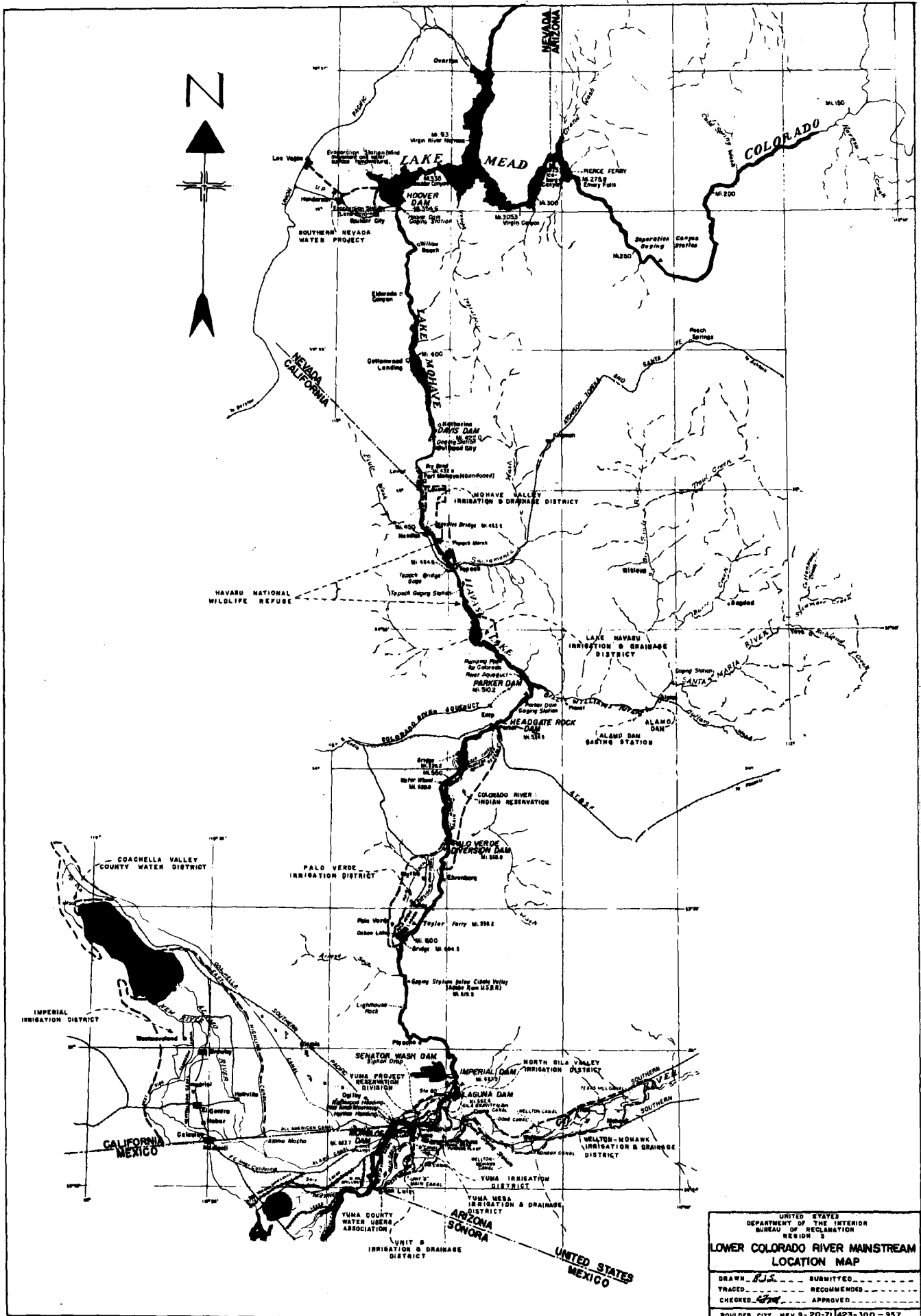


COMPILATION OF RECORDS IN
ACCORDANCE WITH ARTICLE V OF THE
DECREE OF THE SUPREME COURT OF
THE UNITED STATES IN
ARIZONA v. CALIFORNIA DATED MARCH 9, 1964

CALENDAR YEAR 1997



Bureau of Reclamation
Boulder Canyon Operations Office
Lower Colorado Region
Boulder City, Nevada



UNITED STATES
 DEPARTMENT OF THE INTERIOR
 BUREAU OF RECLAMATION
 REGION 3
**LOWER COLORADO RIVER MAINSTREAM
 LOCATION MAP**
 DRAWN *[Signature]* SUBMITTED _____
 TRACED _____ RECOMMENDED _____
 CHECKED *[Signature]* APPROVED _____
 BOULDER CITY, NEV. 9-20-71 423-300-957

CONTENTS

	<u>Page</u>
Location Map (Drawing No. 423-300-957)	Frontispiece
Summary of Water Supply and Consumptive Use	1
Article V of the Decree of the Supreme Court in <u>Arizona v. California</u> , March 9, 1964 ..	2
V(A) Releases of Water Through Regulatory Structures Controlled by the United States ...	4
V(B) Mainstream Diversions, Return Flows, and Consumptive Use	7
Arizona	9
Other Arizona Users	14
California	16
Other California Users	18
Nevada	20
Other Nevada Users	22
V(C) Water Ordered but not Diverted	23
Arizona	25
California	27
V(D) Deliveries of Water to Mexico	28
V(E) Diversions and Use for Gila National Forest	30

S U M M A R Y
USE BY STATE, UNMEASURED RETURNS ESTIMATE, AND RESERVOIR CONTENTS
CALENDAR YEAR 1997

01/15/99

(THOUSAND ACRE- FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
WATER USE SUMMARY													
ARIZONA	194.4	260.4	287.6	303.5	367.1	273.2	235.4	200.8	117.8	195.3	236.0	182.5	2853.9
CALIFORNIA	256.6	337.5	494.8	554.7	562.3	547.0	582.2	549.3	386.1	398.0	327.9	253.6	5250.1
NEVADA	14.6	12.2	18.7	19.2	27.7	30.0	27.0	25.2	17.4	22.3	13.6	14.9	242.8
STATES SUBTOTAL	465.6	610.2	801.1	877.4	957.0	850.1	844.6	775.3	521.3	615.6	577.6	451.0	8346.8
UNMEASURED RETURNS 1/	-13.1	-10.5	-17.9	-19.3	-23.6	-28.6	-31.3	-30.1	-23.6	-19.8	-14.1	-13.8	-245.9
TOTAL STATES 2/	452.5	599.7	783.2	858.1	933.4	821.5	813.4	745.2	497.7	595.8	563.5	437.2	8100.9
MEXICO IN SATISFACTION OF TREATY 2/													
MEXICO BYPASS PURSUANT TO MINUTE 242	224.8	382.4	336.2	220.0	189.1	158.1	193.8	343.6	404.9	135.9	140.3	143.5	2872.5
	6.8	8.3	10.2	8.4	10.6	10.2	8.2	6.0	1.4	5.8	3.4	9.9	89.2
USE TOTAL	697.2	1000.9	1147.5	1105.8	1156.7	1018.4	1046.6	1124.8	927.6	757.3	721.3	604.5	11308.4
END OF MONTH ACTIVE CONTENTS:													
LAKE POWELL													
	19991	19321	18918	19108	21090	23384	23293	22892	22802	22554	22123	21595	
LAKE MEAD													
	22288	22414	22786	22917	22910	23254	23426	23577	23769	24343	24822	25105	
LAKE MOHAVE													
	1672	1683	1727	1714	1743	1703	1693	1636	1674	1491	1474	1693	
LAKE HAVASU													
	564	586	550	580	609	593	589	578	580	552	563	598	
LOWER BASIN TOTAL STORAGE													
	24524	24683	25063	25211	25262	25550	25708	25791	26023	26386	26859	27396	
USE ABOVE HOOVER DAM:													
ARIZONA	0.009	0.012	0.012	0.019	0.017	0.017	0.018	0.018	0.015	0.016	0.008	0.005	0.166
NEVADA	13.219	11.140	17.413	18.441	25.943	28.643	25.531	23.673	15.771	20.947	12.271	14.009	227.001
TOTAL USE	13.228	11.152	17.425	18.460	25.960	28.660	25.549	23.691	15.786	20.963	12.279	14.014	227.167
USE BELOW PARKER DAM:													
ARIZONA	28.5	84.7	113.0	133.4	166.9	159.5	171.9	146.5	90.4	95.7	57.2	23.7	1271.3
CALIFORNIA	171.5	264.7	382.8	444.1	446.2	434.9	466.1	433.6	275.2	282.5	219.6	154.7	3975.9
MEXICO	231.6	390.7	346.4	228.4	199.7	168.3	201.9	349.6	406.3	141.6	143.7	153.4	2961.6
TOTAL USE	431.7	740.1	842.2	805.9	812.8	762.7	840.0	929.7	771.8	519.8	420.4	331.8	8208.8

1/ Estimated total unmeasured return 245,871 acre-feet reduces total Lower Basin use. Estimated unmeasured return by state is 156,912 af in Arizona, 88,227 af in California, and 732 af in Nevada.
2/ The 1997 Annual Operating Plan designated 1997 as a surplus water year, including 200,000 acre-feet of surplus to Mexico.

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. 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;

(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 1997

The following tabulations for calendar year 1997 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 1997

01/13/99

(THOUSAND ACRE-FEET)

STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	1072.0	1238.0	1532.0	1302.0	1290.0	1485.0	1322.0	1261.0	1136.0	1179.0	1190.0	1239.0	15246.0
HOOVER DAM	883.8	1051.0	1173.0	1150.0	1237.0	1010.0	1068.0	1097.0	914.2	523.3	675.5	886.3	11669.1
DAVIS DAM	768.7	1049.0	1117.0	1167.0	1216.0	1061.0	1085.0	1168.0	877.4	707.2	686.7	624.4	11527.4
PARKER DAM	484.3	762.7	855.3	837.8	853.7	836.0	908.2	995.1	742.6	504.7	386.3	304.3	8471.0
HEADGATE ROCK DAM 1/	476.6	720.0	799.7	778.5	777.9	759.6	826.3	921.6	692.4	466.2	357.7	278.1	7854.6
PALO VERDE DAM	418.4	671.8	741.0	697.0	689.7	662.0	719.8	808.5	657.4	432.1	359.5	272.6	7129.8
IMPERIAL DAM	22.3	20.2	23.4	34.3	26.1	27.2	22.9	31.2	88.8	34.5	23.0	18.8	372.7
DIVERSION TO MITTRY LAKE FROM GILA MAIN CANAL	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.9	0.8	0.8	0.9	0.9	10.4
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	23.2	20.9	24.4	35.2	27.0	28.1	23.8	32.1	89.6	35.3	23.9	19.7	383.0
LAGUNA DAM	22.5	24.8	29.7	43.4	31.2	37.7	38.8	51.3	91.4	30.8	24.4	20.2	446.1

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 1997

The following tabulations for calendar year 1997 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 one of two methods: (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.

Consumptive use estimates for individual diverters may be over or under estimated. Reclamation is continuing the development of the Lower Colorado River Accounting System to refine estimates of consumptive use.

Tabulations for calendar year 1997 do include acceptable determinations of the unmeasured Colorado River return flows to Lake Mead from Las Vegas Wash which accrue to 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 1997
STATE OF ARIZONA

01/13/99

(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 RETURNS CONSUMPTIVE USE	9	12	12	19	17	17	18	18	15	16	8	5	166	
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION RETURNS CONSUMPTIVE USE	13	13	23	27	34	37	39	35	36	46	26	26	355	
L.C.R.D. PROJECT (DAVIS DAM) DIVERSION AT DAVIS DAM	DIVERSION RETURNS CONSUMPTIVE USE	4 4 0	6 6 0	6 6 0	5 5 0	5 5 0	2 2 0	3 3 0	3 3 0	3 3 0	2 2 0	2 2 0	2 2 0	43 43 0	
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	447	408	518	598	819	730	797	805	719	645	512	618	7616	
DIV. AT DAVIS DAM, MOHAVE CO. PARKS	DIVERSION RETURNS CONSUMPTIVE USE	2 2 449	1 1 409	7 7 525	10 10 608	13 13 832	13 13 743	14 14 811	13 13 818	8 8 727	5 5 650	5 5 517	3 3 621	94 94 7710	
MOHAVE WATER CONSERVATION PUMPED FROM WELLS	DIVERSION RETURNS CONSUMPTIVE USE	37	30	50	54	67	81	88	85	67	56	39	38	692	
BROOKE WATER, (WAS CONSOLIDATED W U) PUMPED FROM RIVER	DIVERSION RETURNS CONSUMPTIVE USE	25	24	31	31	43	39	45	44	36	32	28	25	403	
MOHAVE VALLEY I. & D. DISTRICT PUMPED FROM WELLS	DIVERSION RETURNS CONSUMPTIVE USE	1099	2301	4168	4515	4487	5713	6082	5466	2793	2896	2016	1064	42600	
FORT MOHAVE INDIAN RESERVATION 6 PUMPS AND WELLS IN FLOOD PLAIN	DIVERSION 2/3/4 RETURNS CONSUMPTIVE USE	1040	1932	5602	5496	8211	10555	11118	8915	7069	4266	4395	1367	69967	
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	DIVERSION 2/ RETURNS CONSUMPTIVE USE	28	23	39	42	51	62	68	65	51	43	30	30	532	
HAVASU NATIONAL WILDLIFE REFUGE INLET-NW NE NW SEC 33 T9N RSSW G&SRM WELL 8N/23E-15Aa (TOPOCK MARSH)	DIVERSION 8/ DIVERSION 2/ RETURNS CONSUMPTIVE USE	241 10 0 251	7090 8 81 7017	5880 13 4120 1773	4691 14 3740 965	4899 17 3430 1486	8500 21 3290 5231	8208 23 2670 5561	7510 22 3460 4072	3920 17 2070 1867	3890 14 0 3904	2924 10 0 2934	329 10 0 -4251	58082 180 27451 30811	
LAKE HAVASU CITY (L.H.I.D.) DISTRICT PUMPED FROM WELLS	DIVERSION RETURNS CONSUMPTIVE USE	907	830	1076	1105	1436	1487	1626	1504	1290	1253	973	1525	15012	
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	DIVERSION RETURNS CONSUMPTIVE USE	161966	163132	161224	157190	183450	89662	38007	33214	13470	86466	167848	158301	1413930	

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1997
STATE OF ARIZONA

01/13/99		(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	0	0	0	0	0	0	0	0	0
1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	DIVERSION 10/	49	52	77	84	84	108	113	106	84	172	54	47	1031
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	49	52	77	84	84	108	113	106	84	172	54	47	1031
COLORADO RIVER INDIAN RESERVATION														
DIVERSION AT HEADGATE ROCK DAM	DIVERSION	7720	42700	55570	59260	75820	76440	81880	73480	50230	38460	28580	26240	616380
1 PUMP FROM RIVER (B-04-22)14 bbd	DIVERSION 3/10/	1077	555	879	1069	1568	2058	1995	2320	2082	942	259	472	15278
	RETURNS	12526	13878	18613	20167	21886	23095	23926	24894	22626	19955	18429	18940	238935
	CONSUMPTIVE USE	-3729	29377	37836	40162	55502	55403	59949	50906	29686	19447	10410	7772	392723
EHRENBURG IMPROVEMENT ASSN.														
1 PUMP SW SEC 3 T3N R22W G&SRM	DIVERSION	29	28	37	38	41	51	58	57	47	36	46	31	499
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA VALLEY IRRIGATION DISTRICT														
5 PUMPS SEC'S 20, 21 & 26T1N R23W	DIVERSION	411	3001	1671	2823	4005	4470	5059	4535	2137	1275	714	782	30883
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA NATIONAL WILDLIFE REFUGE														
4 PUMPS, SEC 2 AND 31	DIVERSION	625	327	563	1384	1085	1827	1798	1778	1735	1555	1583	814	15075
	RETURNS													
	CONSUMPTIVE USE													
IMPERIAL NATIONAL WILDLIFE REFUGE														
2 WELLS SEC 13 T5S R22W G&SRM	DIVERSION 2/	426	342	582	629	769	932	1017	978	769	644	458	450	8000
	RETURNS													
	CONSUMPTIVE USE													
YUMA PROVING GROUND														
DIVERSION AT IMPERIAL DAM WELLS X,Y,M	DIVERSION	0	0	0	0	2	0	0	0	0	0	0	0	2
	DIVERSION	27	30	87	122	126	151	167	145	88	30	36	28	1037
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	27	30	87	122	128	151	167	145	88	30	36	28	1039
STURGES														
DIVERSION AT IMPERIAL DAM	DIVERSION	220	424	601	719	844	739	712	1137	748	591	789	480	8004
	RETURNS	-4	9	15	-21	-16	40	-49	-45	55	-8	28	39	43
	CONSUMPTIVE USE	224	415	586	740	860	699	761	1182	693	599	761	441	7961
WELLTON MOHAWK I. & D. DISTRICT														
DIVERSION AT IMPERIAL DAM	DIVERSION	16499	27704	37383	38564	52362	55104	48976	39040	31655	28997	23236	15670	415190
	GGMC RETURN	-352	625	1060	-1240	-1088	3334	-3818	-1756	2614	-468	920	1400	1231
	DOMS RETURN	1105	1013	1176	632	562	228	305	180	513	1121	1240	1670	9745
	MOD RETURN 9/	6460	7900	8980	8320	10750	10550	7770	6090	5770	6500	6310	6300	91700
	RETURNS, TOTAL	7213	9538	11216	7712	10224	14112	4257	4514	8897	7153	8470	9370	102676
	CONSUMPTIVE USE	9286	18166	26167	30852	42138	40992	44719	34526	22758	21844	14766	6300	312514
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC) DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	1814	1691	2091	1990	2606	2669	2836	3061	2465	2787	2072	1968	28050
	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
	RETURNS	811	723	801	728	777	818	908	921	1058	1425	1002	1109	11081
	CONSUMPTIVE USE	1003	968	1290	1262	1829	1851	1928	2140	1407	1362	1070	859	16969
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM	DIVERSION	84	100	162	185	239	256	287	277	218	155	102	58	2123
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1997
STATE OF ARIZONA

01/13/99		(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 RETURNS CONSUMPTIVE USE	4	4	4	4	4	4	4	4	4	4	4	4	48
YUMA MESA FRUIT GROWERS ASSN. DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	1	1	12
UNIVERSITY OF ARIZONA DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	61	86	98	93	99	119	173	100	113	96	94	68	1200
YUMA UNION HIGH SCHOOL DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	4	6	11	12	22	28	28	34	13	20	14	8	200
CAMILLE, ALEC. JR. DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	0	2	2	5	4	5	2	5	2	2	0	0	29
DESERT LAWN MEMORIAL DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	0	0	0	0	0	0	0	0	2	0	0	0	2
NORTH GILA VALLEY IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION RETURNS CONSUMPTIVE USE	2366 1446 920	3501 1879 1622	4897 2739 2158	5095 2568 2527	7554 3757 3797	6059 3615 2444	4184 2304 1880	2778 1748 1030	2821 2079 742	5511 3150 2361	3007 2199 808	2070 1760 310	49843 29244 20599
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM 7/ PUMPED FROM PRIVATE WELLS	DIVERSION RETURNS CONSUMPTIVE USE	2549 609 635 2523	4078 601 995 3684	6149 611 1357 5403	6438 580 941 6077	5752 581 985 5348	5695 576 1611 4660	3438 494 471 3461	4149 573 717 4005	6202 498 1855 4845	6528 454 1008 5974	4230 73 959 3344	2122 64 635 1551	57330 5714 12169 50875
YUMA MESA I. & D. DISTRICT DIVERSION AT IMPERIAL DAM 7/	DIVERSION RETURNS CONSUMPTIVE USE	9079 1669 7410	10800 2424 8376	16591 3224 13367	18981 1758 17223	24851 1791 23060	28671 4559 24112	25863 -579 26442	25612 752 24860	17152 3521 13631	19011 1428 17583	12455 2929 9526	6168 3402 2766	215234 26878 188356
UNIT "B" I. & D. DISTRICT DIVERSION AT IMPERIAL DAM 7/7E/	DIVERSION RETURNS CONSUMPTIVE USE	1041 311 730	1582 418 1164	1997 533 1464	2471 350 2121	2761 363 2398	3462 675 2787	3279 40 3239	3293 210 3083	1690 474 1216	1973 283 1690	1597 485 1112	850 572 278	25996 4714 21282
YUMA COUNTY WATER USERS ASSOCIATION DIVERSION AT IMPERIAL DAM PUMPED FROM WELLS 7E/	DIVERSION RETURNS CONSUMPTIVE USE	18769 327 9044 10052	27104 315 8191 19228	33204 441 9454 24191	39305 448 10793 28960	37090 415 10413 27092	28285 394 9278 19401	29691 402 8628 21465	26281 409 8811 17879	19988 427 8609 11806	37106 514 13871 23749	27661 459 13598 14522	15815 435 11889 4361	340299 4986 122579 222706
COCOPA INDIAN RESERVATION DIVERSION AT IMPERIAL DAM PUMPED FROM WELLS 7E/ PUMPED FROM WELLS, WEST COCOPA	DIVERSION RETURNS CONSUMPTIVE USE	88 2 453 2 541	120 1 719 1 839	74 1 756 0 831	134 2 700 2 834	138 2 746 1 885	202 3 685 4 886	610 8 650 5 1263	171 3 754 2 926	143 3 568 2 712	41 1 341 2 381	54 1 309 2 362	248 7 151 11 395	2023 34 6831 34 8854

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1997
STATE OF ARIZONA

01/13/99

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	1/
YUMA AREA OFFICE, USBR															
DIVERSION FROM WELLS	DIVERSION 2/	52	41	70	76	93	113	123	118	93	78	55	54	968	
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	52	41	70	76	93	113	123	118	93	78	55	54	968	
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	RETURNS 5/	6274	5408	6274	5835	5868	5521	5714	5938	4986	5668	4794	5399	67679	
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 6/	4103	2233	2673	3043	3341	3744	3725	3798	2586	2303	2146	1750	35444	
	RETURNS														
	CONSUMPTIVE USE														
ARIZONA TOTALS	DIVERSION	234316	303957	345934	358052	426554	339771	283709	252696	174059	249259	288905	240200	3497412	
	RETURNS	39931	43551	58352	54578	59484	66620	48298	51925	56235	53937	52897	57718	643526	
	CONSUMPTIVE USE	194385	260406	287582	303474	367070	273151	235411	200771	117824	195322	236008	182482	2853886	

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 districts 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/	322407
Pumped from wells	5714
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	3500 *
Return flow North Gila Valley (6 drains & wasteways)	10162 *
Return flow South Gila Valley wells (DPOC's)	67679
Return flow Yuma Mesa Outlet Drain B/	26639 *
Return flow protective and regulatory pumping unit C/	382 *
Estimated unmeasured groundwater return flow D/	26967
Return flow share of Gila Main Canal loss E/	642 *
Subtotal return flow F/	135970 135970 check from above
Consumptive Use (see note above)	192151 192151 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* mileage 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 these underground flows are recovered by pumping from wells on the

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1997
STATE OF ARIZONA

01/13/99

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
<p>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.</p> <p>8/ Diversion adjusted for delivery to Mohave Valley I. D. D. (Chesney).</p> <p>9/ Main Outlet Drain return flow credit is measured flow at Station 0+00 and includes both Colorado River and Gila River water. Reclamation is working to develop a method to separate the different sources of return flow and will apply that methodology when available. For 1997, the MOD return flow was reduced to 91,700 acft as a demonstration project and consumptive use entitlement includes up to an additional 45,000 acft of surplus water.</p> <p>10/ CRIR includes 1 river pump and non-taxable tribal useage delivered by the Town of Parker.</p>													

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
LEES FERRY TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1997
STATE OF ARIZONA

01/13/99

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Marble Canyon Company	0.7	0.9	1.4	1.2	1.6	2.1	2.2	2	1.5	1.6	1.1	0.8	17.1
SUBTOTALS, LEES FERRY TO HOOVER DAM	0.7	0.9	1.4	1.2	1.6	2.1	2.2	2	1.5	1.6	1.1	0.8	17.1
Crystal Beach Water C.D. T14N/R20W SEC 7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	7.5	7.5
Havasu Water Co. of AZ (Citizens Utilities)	23.0	26.0	33.0	28.0	33.0	39.0	43.0	22.0	50.0	32.0	32.0	28.0	389.0
SUBTOTALS, DAVIS DAM TO PARKER DAM	23.0	26.0	33.0	28.0	33.0	39.0	43.0	22.0	50.0	32.0	32.0	35.5	396.5
Hillcrest Water Co.	1.3	1.2	1.5	1.8	2.2	2.4	2.7	2.1	2.2	1.5	1.8	1.3	22.0
Rayner, Jack Jr. (B-04-22)34 DCC(CDD)	140.8	24.6	219.7	584.6	337.7	565.1	771.2	499.7	254.5	67.9	195.1	202.8	3863.7
Rayner, Jack Jr. (B-04-22)34 DCC(DCD)	2.1	0.3	0.6	69.0	1.2	1.8	2.1	1.8	1.2	0.2	0.2	0.1	80.6
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(LHFO&YFO)	44.2	44.4	43.9	72.9	96.7	88.9	109.6	112.6	83.8	90.6	59.4	65.6	912.6
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	306.1	164.7	426.4	901.8	650.0	915.5	1166.2	886.3	553.9	338.0	382.8	394.1	7086.9
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	8.3	15.2	5.2	5.6	45.7	56.0	36.4	18.3	0.0	8.0	7.3	0.0	206.0
Dulin, A. (C-8-22) 9CCC	21.5	79.4	16.1	18.6	146.8	135.8	100.0	54.9	6.2	165.5	214.9	38.7	998.4
Glen Curtis Cit (C-8-22) 7CCD	4.8	30.6	65.7	147.3	183.4	0.2	13.7	2.3	2.0	99.2	0.9	0.0	550.1
Glen Curtis Cit (C-8-22) 18CAD	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
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	286.5	341.6	251.8	0.0	210.2	545.9	376.5	652.2	235.3	172.1	177.2	111.2	3360.5
Glen Curtis Cit (C-8-22) 18DDD 2/3/	10.7	8.5	14.6	15.7	19.2	23.3	25.4	24.5	19.2	16.1	11.4	11.3	200.0
Yowelman, 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	240.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	240.7
Ott, Judd T. SEC30 T08S R22W BAB	124.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	124.5
Ott, Judd T. (C-8-22) 19CCA	568.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	568.2
Cameron Bros. SEC24 T08S R22W CAD	308.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	308.3
Ogram, George SEC24 T08S R23W DCC	419.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	419.4
Peach SEC22 T08S R23W DDC	19.6	19.2	57.3	41.4	23.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	160.7
Ogram, George SEC23 T08S R23W CDA	537.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	537.7
Yucca Pwr Plant SEC36 T16S R21E CBA 3/	36.2	29.0	49.5	53.4	65.3	79.2	86.4	83.2	65.3	54.7	38.9	38.3	680.0
Texas Hill Farm SEC28 T16S R22E CDA	1.2	13.9	9.0	31.6	11.2	9.1	9.8	10.1	9.4	11.2	5.0	1.8	123.3
Curry Family LTD SEC29 T16S R22E DAC	6.4	61.4	3.9	9.6	25.8	22.5	19.9	3.5	0.0	0.0	0.0	0.0	153.0
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 CBA 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	60.6	57.3	54.8	118.5	130.6	182.1	158.8	203.1	241.0	74.1	141.3	3.7	1425.9
Huerta Packing 16S/21E-25ADD	47.7	117.8	84.0	98.9	56.4	0.0	0.0	65.4	23.3	102.9	59.5	20.5	676.4
Farmland Mgmt SEC19 T09S R24W BAD	0.0	1.7	24.9	24.5	26.0	39.1	4.5	11.4	2.2	7.7	10.3	15.6	167.9
Farmland Mgmt SEC19 T09S R24W BDD	0.0	6.1	69.0	66.9	68.1	103.3	11.1	29.6	5.6	20.9	32.0	43.3	455.9
Farmland Mgmt SEC19 T09S R24W BDA	3.6	40.9	38.9	39.2	59.2	6.6	17.2	2.7	8.7	22.1	25.1	7.2	271.4
Waymon Farms SEC31 T09S R24W BBB	169.9	202.0	166.7	202.0	110.6	115.4	67.3	142.7	121.0	134.7	172.3	109.0	1713.6
Waymon Farms SEC36 T09S R25W AAA	108.4	99.9	137.7	127.0	156.3	86.7	89.5	51.5	68.2	38.4	69.4	96.0	1129.0
W. Brand-D. Donnelly (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	38.9	143.7	142.6	134.7	60.3	0.8	24.9	112.3	27.0	67.6	85.8	68.5	907.1
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	18.1	43.7	51.0	42.5	60.3	39.0	20.4	38.1	64.6	33.2	0.0	0.0	410.9
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

PUMPAGE FROM COLORADO RIVER
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CALENDAR YEAR 1997
STATE OF ARIZONA

01/13/99

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
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	44.8	50.3	121.0	66.0	118.6	47.8	49.6	32.8	47.6	36.1	63.0	48.4	726.0
Hughes, Earl (C-11-25) 3DAC	113.9	219.3	65.0	23.0	44.4	40.5	34.0	32.6	0.0	0.4	0.4	100.5	674.0
SUBTOTALS, BELOW IMPERIAL DAM	3773.5	2041.1	2212.1	2112.4	2655.9	2787.1	2513.3	2887.3	1980.9	1931.3	1730.3	1319.8	27950.9
*** Total Arizona Supplemental ***	4103	2233	2673	3043	3341	3744	3725	3798	2586	2303	2146	1750	35444

- 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 1997
STATE OF CALIFORNIA

01/13/99

(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/ RETURNS CONSUMPTIVE USE	808	1236	2130	2804	3232	3758	3506	3152	1249	2728	1717	920	27241
CITY OF NEEDLES 4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION RETURNS 10/ CONSUMPTIVE USE	151 77 74	121 61 60	206 105 101	223 113 110	272 138 134	331 167 164	361 183 178	347 176 171	272 138 134	228 116 112	162 82 80	159 81 78	2833 1437 1396
CHEMEHUEVI INDIAN RESERVATION DIVERSION FROM RIVER AND WELLS	DIVERSION RETURNS CONSUMPTIVE USE	8	15	23	25	30	33	33	30	20	15	10	10	252
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	DIVERSION RETURNS 2/ CONSUMPTIVE USE	84340 293 84047	71401 266 71135	109542 292 109250	107354 259 107095	111957 268 111689	107547 259 107288	111903 268 111635	111843 241 111602	109305 237 109068	112531 252 112279	106152 254 105898	97946 272 97674	1241821 3161 1238660
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	DIVERSION RETURNS CONSUMPTIVE USE	10	8	14	15	18	22	24	23	18	15	11	11	189
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS 4 PUMPS BIG RIVER	DIVERSION 4/ DIVERSION 4/ RETURNS CONSUMPTIVE USE	0 84	0 228	0 397	0 385	0 659	0 651	0 555	0 556	0 263	0 243	0 388	0 88	0 4496
CITY OF WINTERHAVEN 1 WELL SE SE NE SEC 27 T16S R22E SBM	DIVERSION 6/ RETURNS CONSUMPTIVE USE	7	6	9	10	12	15	17	16	12	10	7	7	130
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	DIVERSION RETURNS CONSUMPTIVE USE WATER MANAGEMENT ACCT. CREDITS 8/	32700 26388 6312 0	58990 30597 28393 0	75330 37025 38305 0	84360 37557 46803 0	105000 41696 63304 0	107300 43305 63995 0	108500 47150 61350 0	110100 49859 60241 0	74250 52519 21731 0	67120 47270 19850 0	49460 44005 5455 0	44410 38298 6112 0	917520 495669 421851 0
YUMA PROJECTS, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	1553 33 1520	2817 12 2805	3663 17 3646	4142 53 4089	3648 10 3638	1510 22 1488	1338 8 1330	2460 20 2440	1866 17 1849	3961 137 3824	2719 59 2660	1331 45 1286	31008 433 30575
YUMA PROJECTS, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	2622 32 2590	3121 8 3113	4806 14 4792	5454 43 5411	7334 12 7322	6495 57 6438	5961 22 5939	3286 18 3268	3463 23 3440	5285 115 5170	3516 54 3462	1836 37 1799	53179 435 52744
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS SUM YUMA PROJECTS, RES. DIV. USE	RETURNS 3/ CONSUMPTIVE USE	3442 668	3161 2757	3321 5117	3272 6228	3778 7182	3301 4625	2735 4534	3017 2691	3321 1968	4654 4340	3827 2295	3899 -814	41728 41591
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	DIVERSION RETURNS CONSUMPTIVE USE	156154 5800 150354	213886 1726 212160	310929 2798 308131	364039 8612 355427	337789 1717 336072	338680 8897 329783	366850 4156 362694	336774 5562 331212	226933 4425 222508	252405 16423 235982	196346 8526 187820	134474 8131 126343	3235259 76773 3158486

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1997
STATE OF CALIFORNIA

01/13/99

(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	13970	20586	30307	34908	37510	35607	36117	38420	28637	22719	24279	23429	346489
	RETURNS	519	166	273	826	191	935	409	635	558	1478	1054	1417	8461
	CONSUMPTIVE USE	13451	20420	30034	34082	37319	34672	35708	37785	28079	21241	23225	22012	338028
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN														
DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 5/	751	1113	1332	1736	2619	1984	1974	1815	1062	1198	1035	1180	17799
	RETURNS													
	CONSUMPTIVE USE													
CALIFORNIA TOTALS														
	DIVERSION	293158	373527	538688	605456	610080	603934	637139	608822	447350	468459	385802	305802	5878216
	RETURNS	36584	35997	43845	50735	47810	56943	54931	59528	61238	70445	57861	52180	628097
	CONSUMPTIVE USE	256574	337530	494843	554721	562270	546991	582208	549294	386112	398014	327941	253622	5250119
	WATER MANAGEMENT													
	ACCT. CREDITS 8/	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL USE	256574	337530	494843	554721	562270	546991	582208	549294	386112	398014	327941	253622	5250119
WATER CONSERVATION PROGRAM														
IMPERIAL I. D./METROPOLITAN W. D. CONSERVED WATER 9/		8145	8145	8145	8145	8145	8145	8145	8145	8145	8145	8145	8145	97740

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 0 acres with 4.6 acft/ac of use in 1996. 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 and less flood control release of 0 to date is 0 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 1997
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01/13/99

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Ida Cal	11N/22W -31BAB	0.0	0.0	0.0	0.0	72.7	79.2	79.2	79.2	101.6	64.1	112.8	0.0	588.8
Ida Cal	11N/21E -36ADD	31.4	76.6	112.8	128.2	139.4	0.0	0.0	0.0	0.5	0.0	111.2	152.7	752.8
Ida Cal	11N/21E -36CDA	0.0	58.2	30.0	71.1	93.1	116.2	91.9	66.2	75.2	56.9	34.7	23.8	717.3
Southern Cal Gas	09N/23E -29DCA 4/	4.2	3.3	5.7	6.1	7.5	9.1	9.9	9.5	7.5	6.3	4.5	4.4	78.0
Havasu Water Company	T5N/R25E SEC31	3.3	3.0	4.7	4.7	9.6	6.9	8.1	8.2	6.3	6.0	5.1	5.0	70.9
SUBTOTALS, DAVIS DAM TO PARKER DAM		38.9	141.1	153.2	210.1	322.3	211.4	189.1	163.1	191.1	133.3	268.3	185.9	2207.8
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(LHFO&YFO)		34.4	36.8	36.2	19.9	50.6	72.1	59.3	54.6	69.3	40.3	55.3	35.0	563.8
Picacho Development Corp		8.2	8.2	10.9	9.2	11.7	9.6	9.1	8.3	3.5	1.9	8.0	7.6	96.2
SUBTOTALS, PARKER DAM TO IMPERIAL DAM		44.2	46.3	49.3	31.5	65.2	85.2	72.2	66.6	75.7	44.6	65.0	44.3	690.0
Land, Ralph	SEC35 T15S R23E DDC 2/4/	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
Living Earth Frm	SEC02 T16S R23E BBC	19.0	22.3	22.3	6.7	23.5	2.2	11.2	1.1	17.9	6.7	11.2	8.9	153.0
Valdez, Mike	SEC22 T16S R23E BDD	11.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	11.2
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	08S/R22W 6CDA	149.7	184.3	93.8	263.6	311.6	261.4	144.1	154.1	108.3	250.2	119.5	264.7	2305.3
Horizon Farms	08S/R22W 7BAB	0.0	0.0	0.0	46.8	226.2	115.2	73.3	24.4	16.1	12.6	4.9	57.2	576.7
Horizon Farms	10S/R22W 7ABD 2/4/	26.7	21.4	36.4	39.3	48.1	58.3	63.6	61.2	48.1	40.3	28.6	28.2	500.0
Horizon Farms	10S/R22W 6DCB 2/4/	26.7	21.4	36.4	39.3	48.1	58.3	63.6	61.2	48.1	40.3	28.6	28.2	500.0
Horizon Farms	08S/R22W 68BD 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	08S/R22W 68CD	24.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	24.4
Horizon Farms	08S/R22W 6CBA	30.7	55.8	44.0	79.6	135.4	130.5	128.4	69.1	30.7	122.2	88.0	69.1	983.5
Horizon Farms	10S/R22W 6CBB	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
Berrymen	(C-16S-23E) 9CCA	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
Ed Wavers Farms	(C-8-22) 1BBA	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
Ed Wavers Farms	(C-8-23) 1BAD	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
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	0.0	0.0	0.0
Land, K. H.	(C-8-23) 2DDA	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
Wilson Farms	(C-8-23) 12BBA	1.1	1.1	0.0	1.1	5.6	2.2	4.5	0.0	0.0	0.0	3.4	3.4	22.4
Horizon Farms	(C-8-23) 1DCC	20.3	55.3	75.6	129.1	260.1	70.1	35.1	11.1	11.1	42.4	64.6	95.9	870.7
Dees, Alex	(C-8-23) 1DAC	55.4	145.6	167.8	204.2	283.3	259.6	277.0	334.0	117.1	164.6	80.7	41.2	2130.5
Harp, Robert	(C-8-23) 12DAC 2/4/	9.6	7.7	13.1	14.1	17.3	21.0	22.9	22.0	17.3	14.5	10.3	10.1	180.0
Horizon Farms	(C-8-23) 12CDB	10.1	13.4	17.9	30.2	126.2	14.5	31.3	31.3	7.8	3.4	2.2	6.7	295.0
Power, O. L.	(C-8-23) 11DCA	97.1	75.7	87.4	44.6	133.9	234.9	238.8	133.9	0.0	0.0	31.1	120.4	1197.8
Valdez, Mike	T16S R23E SEC 30ACC	0.0	118.4	105.0	109.5	87.1	0.0	25.7	31.3	27.9	40.2	29.0	19.0	593.1
Valdez, Mike	T16S R23E SEC 30ADD	0.0	54.4	176.4	212.6	189.5	52.7	150.0	224.2	9.9	1.6	0.0	0.0	1071.3
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	0.0	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	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.3
Carney, Jerome D. 3/4/		0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	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		667.8	925.6	1130.0	1494.9	2231.2	1687.3	1713.0	1585.6	795.6	1019.7	701.6	949.3	14904.1
*** Total California Supplemental ***		751	1113	1332	1736	2619	1984	1974	1815	1062	1198	1035	1180	17802

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 1997
STATE OF NEVADA

01/13/99

(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	7	6	7	8	10	11	11	10	10	10	9	7	106
	RETURNS	2	0	0	0	1	1	1	1	1	2	3	4	16
	CONSUMPTIVE USE	5	6	7	8	9	10	10	9	9	8	6	3	90
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	24065	22383	29647	30165	36824	38367	34993	32205	24458	29971	28250	25858	357186
BY USER: BOULDER CITY 4/		335	396	535	629	914	1056	1018	874	706	655	501	384	8003
LAS VEGAS VALLEY W.D. 4/		19211	17657	23141	23279	28484	29053	26018	24111	17844	23197	22406	20947	275348
HENDERSON 4/		1988	1811	2761	2736	2824	4446	4565	4379	3406	3270	2754	2152	37093
NORTH LAS VEGAS 4/		2400	2371	2954	3335	4247	3463	3004	2506	2267	2630	2419	2256	33853
NELLIS AIR FORCE BASE 4/		131	148	255	186	356	349	388	335	235	217	169	120	2889
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD	DIVERSION	76	82	92	91	105	115	43	57	63	60	45	45	874
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE (COTTONWOOD)	DIVERSION	18	22	23	25	41	31	37	39	31	31	26	21	345
	RETURNS													
	CONSUMPTIVE USE													
BASIC MANAGEMENT INC.														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	685	530	415	412	521	539	642	681	765	543	468	529	6730
	RETURNS													
	CONSUMPTIVE USE													
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	827	542	706	936	1560	1586	1633	1608	1412	1064	579	560	13013
	RETURNS													
	CONSUMPTIVE USE													
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD	DIVERSION	468	382	411	419	472	461	476	476	467	469	451	456	5408
	RETURNS	467	380	410	418	470	460	475	474	466	467	450	455	5392
	CONSUMPTIVE USE	1	2	1	1	2	1	1	2	1	2	1	1	16
CITY OF BOULDER CITY														
DIVERSION AT HOOVER DAM	DIVERSION	5	5	10	21	25	26	32	21	15	3	6	2	171
	RETURNS													
	CONSUMPTIVE USE													
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD	DIVERSION	67	58	53	66	62	62	63	61	58	57	59	59	725
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN NEVADA WATER AUTHORITY (SCE)														
PUMPED FROM SEC 24 T32S R66E MDB&M	DIVERSION	1182	837	945	547	1342	1058	1232	1435	1400	1150	1188	811	13127
	RETURNS													
	CONSUMPTIVE USE													
BIG BEND WATER DISTRICT														
DIVERSION SEC 12 T32S R66E MDB&M	DIVERSION	329	338	402	416	486	494	528	409	482	455	363	331	5033
	RETURNS	88	88	100	220	110	211	304	309	268	273	219	211	2401
	CONSUMPTIVE USE	241	250	302	196	376	283	224	100	214	182	144	120	2632

DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 1997
STATE OF NEVADA

		(ACRE-FEET)													
		01/13/99													
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/	
FORT MOHAVE INDIAN RESERVATION (AVI) 2 WELLS, SECTIONS 27 & 5		DIVERSION	117	94	160	173	211	256	280	269	211	177	126	124	2200
		RETURNS													
		CONSUMPTIVE USE													
LAS VEGAS WASH RETURN FLOWS		RETURNS 2/	12647	12584	13701	13457	13417	12350	12203	11279	11252	10969	17295	13193	154347
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY		DIVERSION 3/ RETURNS	1	1	1	1	2	2	2	2	2	1	1	1	17
		CONSUMPTIVE USE													
NEVADA TOTALS		DIVERSION	27847	25280	32872	33280	41661	43008	39972	37273	29374	33991	31571	28804	404933
		RETURNS	13204	13052	14211	14095	13998	13022	12983	12063	11987	11711	17967	13863	162156
		CONSUMPTIVE USE	14643	12228	18661	19185	27663	29986	26989	25210	17387	22280	13604	14941	242777
GROUNDWATER INJECTED STORAGE 5/															
LAS VEGAS VALLEY WATER DIST.		INJECTED	4174	2140	1062	86	0	0	0	0	0	368	4332	5629	17791
		WITHDRAWN	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF NORTH LAS VEGAS		INJECTED	203	229	180	102	42	0	0	0	0	0	0	151	907
		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 122976 AF plus current year increase in injected storage of 18698 AF less current year withdrawals from injected storage of 0 AF yields year end total of 141674 AF injected storage.

PUMPAGE FROM COLORADO RIVER
AND WELLS IN FLOOD PLAIN
DAVIS DAM TO INTERNATIONAL BOUNDARY
CALENDAR YEAR 1997
STATE OF NEVADA

01/13/99

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL	1/
USBR (Sportsman's Park) 2/	0.6	0.4	0.8	0.8	1.0	1.2	1.3	1.3	1.0	0.8	0.6	0.6	10.4	
Boy Scouts of America SEC5 T33S R66E 2/	0.4	0.3	0.6	0.6	0.7	0.9	1.0	0.9	0.7	0.6	0.4	0.4	7.6	
*** Total Nevada Supplemental ***	1	1	1	1	2	2	2	2	2	1	1	1	17	

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
ORDERED 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 1997

The following tabulations for calendar year 1997 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 daily orders are required 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 1997
STATE OF ARIZONA

01/13/99		(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 DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2247	3031	2299	130	5853	4637	2596	2114	18957	29206	8183	17354	96607
	DIVERTED BY OTHERS													
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2247	3031	2299	130	5853	4637	2596	2114	18957	29206	8183	17354	96607
		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 DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3330	5643	18101	7803	6835	9243	1557	1626	787	1196	488	3120	59729
	DIVERTED BY OTHERS	1682	4606	9063	6440	4725	6403	791	1382	262	835	258	1448	37895
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1646	1037	9037	1361	2110	2838	752	234	524	361	230	1670	21800
		0	0	0	0	0	0	12	8	0	0	0	0	20
NORTH GILA VALLEY I.D. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	621	204	91	179	659	766	589	222	1146	770	867	811	6925
	DIVERTED BY OTHERS	127	109	6	113	444	430	149	115	131	222	270	113	2229
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	494	95	85	65	214	335	440	107	1016	547	597	698	4693
		0	0	0	0	0	0	0	0	0	0	0	0	0
STURGES (WARREN ACT) GILA PROJECT DISTRICTS DIVERSION AT IMPERIAL DAM 1/	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
		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 DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2811	2410	3624	1563	1724	2834	6736	2989	7553	6801	7432	6907	53384
	DIVERTED BY OTHERS	325	571	379	474	468	877	1736	1218	462	2039	764	534	9847
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2485	1839	3245	1089	1256	1958	4834	1753	7091	4762	6669	6373	43354
		0	0	0	0	0	0	167	18	0	0	0	0	185
YUMA IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	421	159	101	171	294	61	111	204	1230	294	369	1045	4460
	DIVERTED BY OTHERS	119	103	73	91	171	28	26	163	278	73	34	38	1197
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	301	56	28	79	123	34	85	42	952	220	335	1008	3263
		0	0	0	0	0	0	0	0	0	0	0	0	0

RELEASE OF MAINSTREAM WATER PURSUANT TO ORDERS
 BUT NOT DIVERTED BY PARTY ORDERING SAME
 AND
 QUANTITY OF SUCH WATER DELIVERED TO MEXICO IN SATISFACTION OF MEXICAN TREATY OR DIVERTED BY OTHERS
 CALENDAR YEAR 1997
 STATE OF ARIZONA

01/13/99		(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 DELIVERED TO MEXICO IN SATISFACTION OF TREATY	3227	2108	1053	1805	2212	1180	1553	2079	6645	1821	3029	4021	30733
	DIVERTED BY OTHERS	956	1367	635	1065	1355	454	401	1287	1025	712	379	280	9916
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2271	742	419	740	857	726	1150	783	5619	1109	2650	3741	20807
		0	0	0	0	0	0	2	8	0	0	0	0	10
UNIT "B" I. & D. DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	290	188	214	258	359	256	395	250	1492	409	167	813	5091
	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	260	81	95	117	175	151	276	117	1285	258	155	726	3696
		0	0	0	0	0	0	32	0	0	0	0	0	32
YUMA COUNTY WATER USERS ASSN. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
	DIVERTED BY OTHERS	0	0	0	0	0	0	0	0	0	0	0	0	0
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
		0	0	0	0	0	0	0	0	0	0	0	0	0
ARIZONA TOTALS	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	12947	13743	25483	11909	17936	18977	13537	9484	37810	40497	20535	34071	256929
	DIVERTED BY OTHERS	3209	6756	10156	8183	7163	8192	3103	4165	2158	3881	1705	2413	61084
	DELIVERED TO STORAGE 2/ DELIVERED TO MEXICO IN EXCESS OF TREATY	9704	6881	15208	3581	10588	10679	10133	5150	35444	36463	18819	31570	194220
		0	0	0	0	0	0	213	34	0	0	0	0	247

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 1997
STATE OF CALIFORNIA

		01/13/99												(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 DELIVERED TO MEXICO IN SATISFACTION OF TREATY	232	218	352	582	250	563	369	283	405	352	271	790	4667
	DIVERTED BY OTHERS													
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	232	218	352	582	250	563	369	283	405	352	271	790	4667
PALO VERDE IRRIGATION DISTRICT DIVERSION AT PALO VERDE DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1531	1490	2069	1365	2517	3134	2975	9918	4358	1426	405	1906	33094
	DIVERTED BY OTHERS	393	1109	1071	914	1595	1388	2051	6964	1728	926	216	930	19285
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1137	379	996	448	920	1743	817	2666	2628	498	186	974	13392
YUMA PROJECT RESV. DIVISION DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	1837	924	1006	756	2410	3392	1912	1670	1549	678	4023	7244	27401
	DIVERTED BY OTHERS	690	639	399	424	1339	2015	1642	1051	363	337	2089	4356	15344
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1144	284	605	329	1069	1375	264	617	1184	339	1932	2886	12028
IMPERIAL IRRIGATION DISTRICT DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	9168	2878	3884	4721	260	2723	2428	2836	25256	2231	2372	11677	70434
	DIVERTED BY OTHERS	718	395	557	887	206	549	819	569	1166	1523	627	1206	9222
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	8448	2481	3324	3832	52	2172	1450	2146	24088	706	1743	10469	60911
COACHELLA VALLEY WATER DIST. DIVERSION AT IMPERIAL DAM	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2007	639	379	613	589	319	1738	415	2364	468	2	2	9535
	DIVERTED BY OTHERS	381	494	218	157	161	210	436	232	171	282	0	0	2742
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	1624	143	159	454	426	107	1043	157	2192	184	0	2	6491
CALIFORNIA TOTALS	ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	14775	6149	7690	8037	6026	10131	9422	15122	33932	5155	7073	21619	145131
	DIVERTED BY OTHERS	2182	2637	2245	2382	3301	4162	4948	8816	3428	3068	2932	6492	46593
	DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	12585	3505	5436	5645	2717	5960	3943	5869	30497	2079	4132	15121	97489
		0	0	0	0	0	0	518	427	0	0	0	0	945

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 1997

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY
AND
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS
CALENDAR YEAR 1997

01/15/99

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY AT NORTH INTERNATIONAL BOUNDARY 1/	216498	374543	326927	209756	179005	149439	185536	335268	396826	124527	128629	133095	2760049
DELIVERY AT SOUTH INT. LAND BOUNDARY	8285	7883	9283	10216	10141	8638	8253	8291	8030	11344	11676	10369	112409
TOTAL DELIVERY IN SATISFACTION OF TREATY	224783	382426	336210	219971	189146	158077	193789	343559	404856	135871	140305	143464	2872457
TO MEXICO AS SCHEDULED 2/	115090	127130	163345	187566	189022	157158	192635	126899	99036	110256	121606	110257	1700000
TO MEXICO IN EXCESS OF SCHEDULE 3/	109693	255296	172865	32405	124	919	1154	216660	305820	25615	18699	33207	1172457
BYPASS PURSUANT TO MINUTE 242	6829	8274	10159	8402	10558	10223	8156	5999	1437	5775	3399	9943	89154

1/ Includes wasteway deliveries in satisfaction of treaty to the river limitrophe.

2/ Includes 200,000 acre-feet scheduled surplus under Paragraph (E) Article 15 of the 1944 treaty with Mexico.

3/ 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 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 1997

DIVERIONS FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS
AND
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST
CALENDAR YEAR 1997

01/13/99

(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