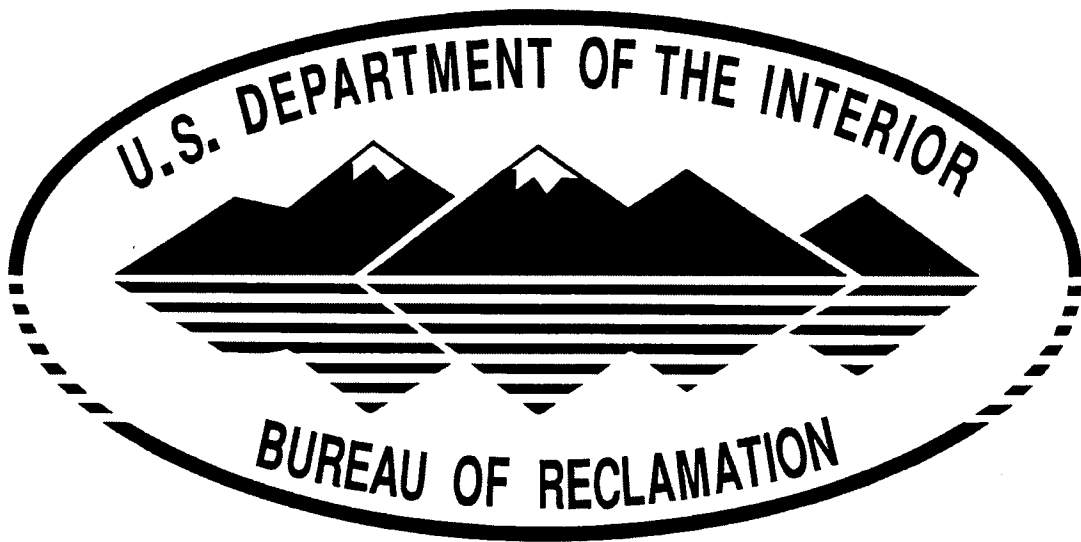


COMPILATION OF RECORDS IN  
ACCORDANCE WITH ARTICLE V OF THE  
DECREE OF THE SUPREME COURT OF  
THE UNITED STATES IN  
ARIZONA v. CALIFORNIA ET AL. DATED MARCH 9, 1964

CALENDAR YEAR 2001



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

COMPILATION OF RECORDS IN  
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DECREE OF THE SUPREME COURT OF  
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CALENDAR YEAR 2001

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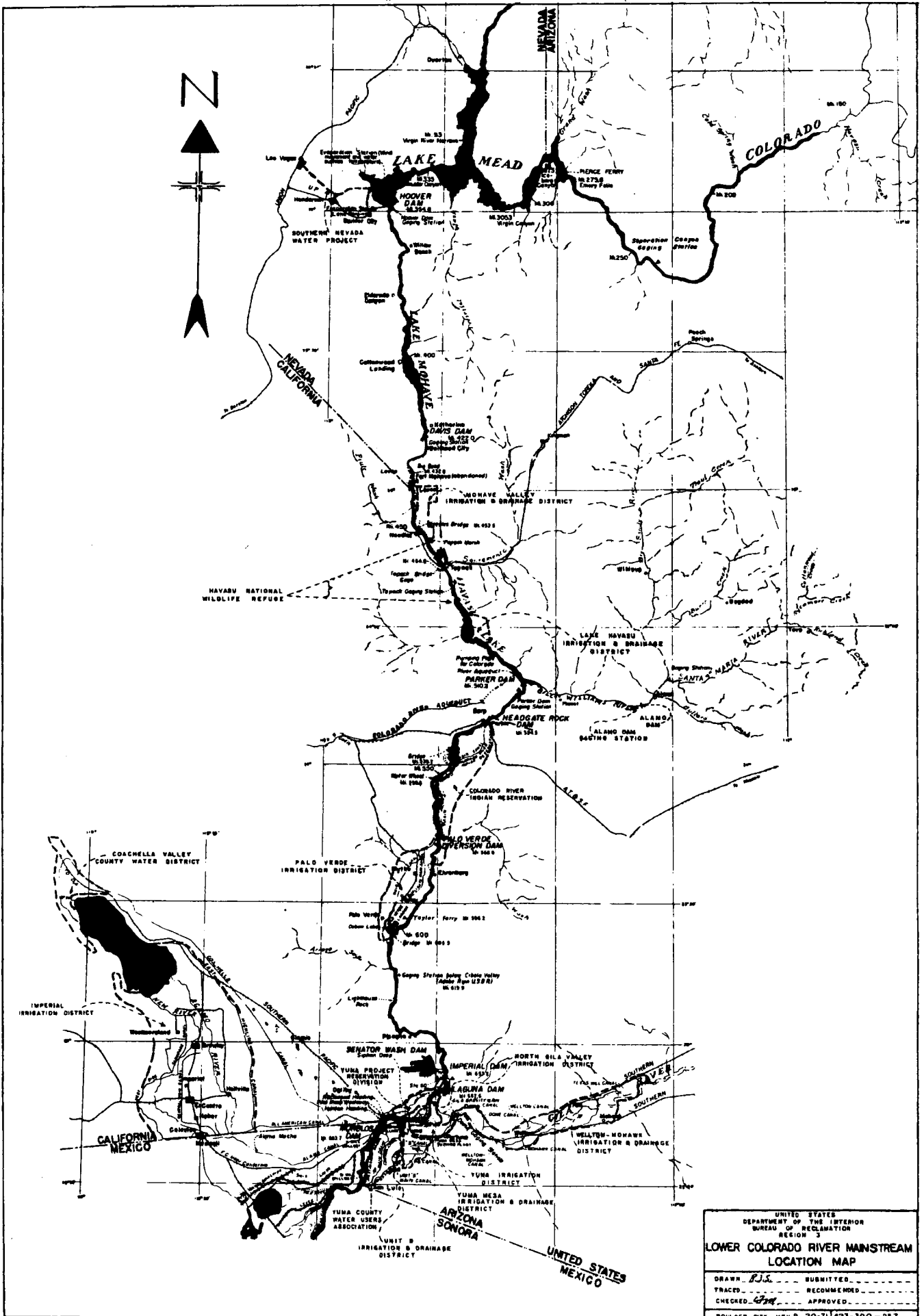
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UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF RECLAMATION  
 REGION 2

**LOWER COLORADO RIVER MAINSTREAM  
 LOCATION MAP**

DRAWN *R.S.* SUBMITTED \_\_\_\_\_  
 TRACED \_\_\_\_\_ RECOMMENDED \_\_\_\_\_  
 CHECKED *Wm* APPROVED \_\_\_\_\_

BOULDER CITY, NEV 9-20-71 423-300-957

S U M M A R Y  
 CONSUMPTIVE USE BY STATE, UNMEASURED RETURNS ESTIMATE, AND RESERVOIR CONTENTS  
 CALENDAR YEAR 2001

05/13/2002

(THOUSAND ACRE-FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOWER BASIN STATES WATER USE SUMMARY:													
ARIZONA	216.4	236.0	254.4	305.4	345.8	302.6	250.9	199.7	181.5	154.5	182.0	211.9	2841.0
CALIFORNIA	235.4	310.7	366.4	535.7	593.2	566.7	589.3	548.5	457.6	421.3	342.6	287.5	5254.7
NEVADA	14.6	14.5	17.0	28.3	39.8	31.6	37.4	38.0	31.7	30.1	19.1	13.3	315.4
SUBTOTAL	466.4	561.2	637.8	869.5	978.8	900.8	877.5	786.2	670.9	605.9	543.6	512.6	8411.2
UNMEASURED RETURNS	12.9	10.3	17.6	18.9	23.2	28.1	30.6	29.4	23.1	19.4	13.8	13.6	240.8
TOTAL USE, LOWER BASIN STATES	453.5	550.9	620.3	850.5	955.6	872.8	846.9	756.7	647.7	586.5	529.9	499.1	8170.4
TOTAL DELIVERIES TO MEXICO	166.5	192.7	241.7	200.0	110.6	122.2	143.0	113.6	103.1	85.2	99.0	123.2	1700.6
WATER BYPASSED PURSUANT TO MINUTE 242	10.1	8.3	9.2	8.6	8.7	8.5	2.2	4.8	8.3	8.7	11.9	14.6	103.7
TOTAL USE, LOWER BASIN STATES & MEXICO	630.1	751.9	871.2	1059.1	1074.8	1003.4	992.1	875.1	759.1	680.3	640.7	636.8	9974.7
END OF MONTH ACTIVE CONTENTS:													
LAKE POWELL	19328	19023	18865	18821	19797	20259	19764	19321	19135	18802	18511	17996	229622
LAKE MEAD	22523	22430	22154	21603	21127	20557	20245	20137	19873	19882	19776	19795	250102
LAKE MOHAVE	1679	1657	1711	1734	1680	1691	1657	1669	1610	1475	1532	1655	19747
LAKE HAVASU	556	593	585	594	573	590	576	582	567	570	549	552	6888
TOTAL LOWER BASIN STORAGE	24758	24680	24450	23931	23380	22838	22478	22387	22051	21926	21857	22001	276737
USE ABOVE HOOVER DAM:													
ARIZONA	0.003	0.003	0.006	0.008	0.012	0.015	0.009	0.017	0.013	0.007	0.006	0.006	0.104
NEVADA	13.694	13.581	15.987	27.658	38.303	29.971	35.763	36.228	30.196	28.573	17.909	12.412	300.276
TOTAL USE ABOVE HOOVER DAM	13.697	13.584	15.993	27.666	38.315	29.986	35.772	36.245	30.209	28.580	17.915	12.418	300.380
USE BELOW PARKER DAM:													
ARIZONA	19.5	55.2	61.8	125.8	166.0	148.2	150.1	124.2	112.6	103.8	65.7	36.4	1169.3
CALIFORNIA	136.6	212.3	256.7	428.8	481.3	458.0	477.7	435.8	359.9	314.6	236.9	184.7	3983.4
MEXICO	176.5	201.0	250.9	208.6	119.2	130.6	145.2	118.4	111.4	93.8	110.9	137.7	1804.3
TOTAL USE BELOW PARKER DAM	332.6	468.5	569.4	763.2	766.6	736.9	773.1	678.4	583.9	512.3	413.4	358.8	6957.0

1/ Estimated total unmeasured return 240,783 acre-feet (af) reduces States use. Estimated unmeasured return by State is 153,216 af in Arizona, 86,075 af in California, and 1,492 af in Nevada.

2/ Sum of Total Use, Lower Basin States, deliveries to Mexico in satisfaction of Treaty, and water bypassed Pursuant to Minute 242.

3/ Includes water delivered in satisfaction of the Treaty with Mexico and water bypassed pursuant to Minute 242.

Note to Reader: Each section of this report, and each State within each section has its own footnotes. The numbers are repeated for each section.

ARTICLE V OF THE DECREE OF THE SUPREME COURT  
OF THE UNITED STATES  
IN ARIZONA v. CALIFORNIA ET AL. 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 ET AL. DATED MARCH 9, 1964

CALENDAR YEAR 2001



The following tabulations for calendar year 2001 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 for the Colorado River Indian Reservation are made at Headgate Rock Dam.

RELEASES OF WATER THROUGH REGULATORY STRUCTURES  
CONTROLLED BY THE UNITED STATES  
CALENDAR YEAR 2001

05/13/2002		(THOUSAND ACRE-FEET)												
STRUCTURE		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	1/	856	653	655	616	613	588	808	825	460	607	610	802	8090.7
HOOVER DAM		689	770	974	1140	1029	1080	1001	888	698	516	667	758	10209.4
DAVIS DAM		650	828	932	1167	1149	1119	1093	857	790	696	637	650	10567.5
PARKER DAM		344	472	647	838	865	877	921	741	645	544	438	367	7699.4
HEADGATE ROCK DAM	2/	334	437	616	779	792	802	848	669	592	505	407	339	7121.2
PALO VERDE DAM		307	381	494	658	647	618	690	563	514	406	343	288	5908.7
IMPERIAL DAM	3/	20	37	33	34	41	29	48	51	58	31	28	19	427.3
DIVERSION TO MITTRY LAKE FROM GILA GRAVITY MAIN CANAL		1	1	1	1	1	1	1	1	1	1	1	1	10.4
TOTAL IMPERIAL DAM + DIVERSION TO MITTRY LAKE		21	38	34	35	42	29	49	52	59	32	28	19	437.7
LAGUNA DAM		25	43	46	35	38	27	39	49	55	36	31	22	445.9

1/ Glen Canyon Dam lies within the Upper Basin, hence is not covered by the Decree. We report releases for comparison purposes only.

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

3/ Flow below Imperial Dam does not include diversions through the All American and Gila Gravity Main canals

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 ET AL.

DATED MARCH 9, 1964

CALENDAR YEAR 2001

The following tabulations for calendar year 2001 show final records of diversions of water from the mainstream of the Colorado River, return flow of such water to the mainstream, and the 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 show quantities of water drawn by surface diversion from the mainstream of the Colorado River, pumped from the mainstream through pumps in the mainstream, and wells in the Colorado River flood plain and the accounting surface. Diversions are listed in two separate tabulations for each State. The first tabulation lists water users whose diversions are measured and generally reported monthly. Return flows to the mainstream and consumptive use are also listed for points of diversion and return when that information is available.

The second tabulation for each State, titled "Supplemental Use Tabulation" shows quantities of water pumped from pumps in the mainstream and wells in the flood plain of the accounting surface where the amount of water use is generally determined from records of power use. Amounts diverted by pumping were determined as follows: (1) for most electric pumps, diversions were computed on an annual basis from power records and a "kilowatt-hour per acre-foot pumped factor" that was determined by discharge measurement; (2) for pumps without flow meters or where power records are not available, a consumptive use factor of 6 acre-feet per irrigated acre of land per year was used.

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

Tabulations for calendar year 2001 include determinations of the unmeasured return flows of Colorado River water 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 diversions, return flows, or consumptive uses tabulated in this report constitute the records referenced in Article V of the Decree of the Supreme Court in Arizona v. California et al. and should not be interpreted as an entitlement or indication that the use is authorized. If you notice any error or omission, please report it to the contact person listed on the cover page.

DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF ARIZONA

05/13/2002

(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	3	3	6	8	12	15	9	17	13	7	6	6	104
LAKE MEAD NAT'L RECREATION, AZ DIVERSIONS FROM LAKE MOHAVE (KATHERINE LANDING, WILLOW BEACH)	DIVERSION RETURNS CONSUMPTIVE USE	28	52	98	91	96	92	96	94	37	94	93	81	952
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION	3.1	2.6	1.7	1.4	1.9	2.3	3.7	2.1	2.3	2.4	2.5	1.4	27.3
	RETURNS	3.1	2.6	1.6	1.3	1.8	2.3	3.6	2.0	2.2	2.4	2.5	1.4	26.8
	CONSUMPTIVE USE	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.5
BULLHEAD CITY PUMPED FROM WELLS DIV. AT DAVIS DAM, MOHAVE CO. PARKS	DIVERSION	517	497	541	621	728	822	850	870	738	747	619	549	8098
	DIVERSION	3	2	3	6	11	14	18	15	12	9	3	7	104
	RETURNS CONSUMPTIVE USE	520	499	544	627	739	836	868	885	750	756	622	556	8202
MOHAVE WATER CONSERVATION DIST. PUMPED FROM WELLS	DIVERSION	51	44	48	59	75	73	81	89	67	72	66	51	777
	RETURNS													
	CONSUMPTIVE USE													
BROOKE WATER PUMPED FROM RIVER	DIVERSION	25	24	28	32	42	45	43	42	38	33	30	25	407
	RETURNS													
	CONSUMPTIVE USE													
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS	DIVERSION	919	1493	3185	2917	4605	5289	5391	4601	3843	2740	1562	324	36869
	RETURNS													
	CONSUMPTIVE USE													
FORT MOJAVE INDIAN RESERVATION 14 PUMPS AND WELLS IN FLOOD PLAIN DELIVERED BY CITY OF NEEDLES	DIVERSION 2/3/4	1751	2573	7564	4911	8073	9916	8843	8550	4387	1957	3317	1604	63446
	DIVERSION	0	0	2	0	1	2	0	0	0	0	0	0	5
	RETURNS CONSUMPTIVE USE	1751	2573	7566	4911	8074	9918	8843	8550	4387	1957	3317	1604	63451
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	DIVERSION 2/	28	23	39	42	51	62	68	65	51	43	31	30	534
	RETURNS													
	CONSUMPTIVE USE													
HAVASU NATIONAL WILDLIFE REFUGE INLET-NW NE NW SEC 33 T9N RSSW G&SRM WELL 8N/23E-15Aa (TOPOCK MARSH)	DIVERSION 8/	1280	3960	3700	6917	5621	6596	1860	1676	2790	1500	1100	839	37839
	DIVERSION 2/	11	9	16	17	21	25	27	26	21	17	12	12	214
	RETURNS	0	0	482	4130	4680	2740	2790	1750	0	0	0	0	16572
	CONSUMPTIVE USE	1291	3969	3234	2804	962	3881	-903	-48	2811	1517	1112	851	21481
LAKE HAVASU I.D.D. (CITY) DISTRICT PUMPED FROM WELLS	DIVERSION	872	770	968	1154	1506	1608	1477	1589	1558	1377	1203	981	15063
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF ARIZONA

05/13/2002

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	DIVERSION RETURNS CONSUMPTIVE USE	191422	171288	176841	166901	163576	132425	84689	59535	55268	42012	108176	170959	1523092
TOWN OF PARKER 1 WELL-NW NW NW SEC 7 T9N R19W G&SRM	DIVERSION 10/ RETURNS CONSUMPTIVE USE	44 0 44	44 0 44	57 0 57	70 0 70	95 0 95	101 0 101	97 0 97	100 0 100	95 0 95	74 0 74	65 0 65	57 0 57	900 0 900
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM 1 PUMP (B-04-22,S14 bbd) & TOWN OF PARKER	DIVERSION DIVERSION 4/10/ RETURNS CONSUMPTIVE USE	10470 565 11843 -808	34920 391 15402 19909	31010 215 15037 16188	59250 265 18315 41200	72800 684 22635 50849	74860 1151 25970 50041	72580 1138 27014 46704	71880 1235 26462 46653	52890 828 24526 29192	38820 514 21189 18145	30710 384 18155 12939	28020 340 17024 11336	578210 7710 243572 342348
EHRENBURG IMPROVEMENT ASSN. 1 PUMP SW SEC 3 T3N R22W G&SRM	DIVERSION RETURNS CONSUMPTIVE USE	23	25	20	27	31	44	45	42	49	39	39	28	411
CIBOLA VALLEY IRRIGATION DISTRICT 3 PUMPS SEC'S 20, 21 & 26T1N R23W	DIVERSION RETURNS CONSUMPTIVE USE	77	2098	1122	1196	2720	3512	5037	3352	2900	1851	1435	1003	26302
CIBOLA NATIONAL WILDLIFE REFUGE 4 PUMPS IN SEC. 2 & 31 T1S, R23W	DIVERSION RETURNS CONSUMPTIVE USE	908	596	155	650	1021	646	520	1131	1441	1472	1449	1034	11025
IMPERIAL NATIONAL WILDLIFE REFUGE 2 WELLS SEC 13 T5S R22W G&SRM	DIVERSION 2/ RETURNS CONSUMPTIVE USE	426	342	582	629	769	933	1018	979	770	645	458	450	8000
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM WELLS W, X, Y, Z	DIVERSION DIVERSION 2/ RETURNS CONSUMPTIVE USE	0 27 0 27	0 25 0 25	0 28 0 28	0 79 0 79	2 128 0 130	0 124 0 124	0 129 0 129	3 124 0 127	0 98 0 98	0 51 0 51	0 32 0 32	0 25 0 25	5 870 0 875
GILA MONSTER RANCH DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION RETURNS CONSUMPTIVE USE	278 33 245	419 9 410	545 13 532	976 23 953	2134 51 2083	1732 51 1681	1829 82 1747	952 9 943	934 -1 935	917 21 896	1181 73 1108	1056 115 941	12953 479 12474
WELLTON MOHAWK I. & D. D. DIVERSION AT IMPERIAL DAM	DIVERSION GGMC RETURN DOME RETURN MOD RETURN 9/ RETURNS, TOTAL CONSUMPTIVE USE	16097 2119 1105 10350 13574 2523	20606 487 1087 8770 10344 10262	27358 719 988 9200 10907 16451	39539 1058 549 8980 10587 28952	52167 1407 117 8840 10364 41803	50142 1654 38 8700 10392 39750	48187 2410 139 3850 6399 41788	33262 358 301 6990 7649 25613	38577 -23 87 10150 10214 28363	33045 845 628 10460 11933 21111	27030 1866 654 11160 13680 13350	20715 2508 1033 10460 14001 6714	406725 15408 6726 107910 130043 276681

DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF ARIZONA

05/13/2002		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
<b>CITY OF YUMA</b>														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	1725	1653	1792	1981	2473	2674	2744	2787	2639	2413	2102	2036	27019
DIVERSION AT IMPERIAL DAM (GGMC)	DIVERSION	32	17	48	50	50	52	62	49	49	50	41	39	539
	RETURNS	801	812	826	733	769	756	810	860	751	979	862	867	9826
	CONSUMPTIVE USE	956	858	1014	1298	1754	1970	1996	1976	1937	1484	1281	1208	17732
<b>MARINE CORPS AIR STATION (YUMA)</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	68	73	117	155	227	304	334	327	251	261	131	59	2307
	RETURNS													
	CONSUMPTIVE USE													
<b>SOUTHERN PACIFIC COMPANY</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	RETURNS													
	CONSUMPTIVE USE													
<b>YUMA MESA FRUIT GROWERS ASSN.</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	1	1	1	1	1	1	1	1	1	1	1	1	12
	RETURNS													
	CONSUMPTIVE USE													
<b>UNIVERSITY OF ARIZONA</b>														
DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	61	74	42	71	123	85	99	92	118	161	74	38	1038
	RETURNS													
	CONSUMPTIVE USE													
<b>YUMA UNION HIGH SCHOOL</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	9	11	7	9	34	23	27	25	15	15	13	12	200
	RETURNS													
	CONSUMPTIVE USE													
<b>CAMILLE, ALEC JR.</b>														
DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	0	0	8	8	0	0	0	0	0	0	0	0	16
	RETURNS													
	CONSUMPTIVE USE													
<b>DESERT LAWN MEMORIAL</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	18	16	24	29	62	65	65	20	15	9	12	1	336
	RETURNS													
	CONSUMPTIVE USE													
<b>NORTH GILA VALLEY IRRIGATION DISTRICT</b>														
DIVERSION AT IMPERIAL DAM	7 DIVERSION	2401	2201	2732	4685	6720	5521	4164	2058	4239	5085	3814	2530	46150
	RETURNS	1589	1285	1541	2460	3435	3016	2457	1343	2330	2878	2593	1948	26874
	CONSUMPTIVE USE	812	916	1191	2225	3285	2505	1707	715	1909	2207	1221	582	19275
<b>YUMA IRRIGATION DISTRICT</b>														
DIVERSION AT IMPERIAL DAM	7 DIVERSION	2939	3096	3702	6869	8856	4509	4713	3970	6251	7078	5445	4626	62054
PUMPED FROM PRIVATE WELLS	DIVERSION	47	64	54	179	115	170	50	88	191	112	116	58	1244
	RETURNS	1047	636	769	1347	1760	995	1217	701	1063	1444	1521	1627	14127
	CONSUMPTIVE USE	1939	2524	2987	5701	7211	3684	3546	3357	5379	5746	4040	3057	49171
<b>YUMA MESA I. D. D.</b>														
DIVERSION AT IMPERIAL DAM	7 DIVERSION	10103	8139	10018	16937	25798	26142	26775	24766	20489	20030	15428	8344	212968
	RETURNS	4710	2727	2730	5590	7201	6135	6414	3994	4352	5606	6316	6557	62332
	CONSUMPTIVE USE	5393	5412	7288	11347	18597	20007	20361	20771	16137	14424	9112	1787	150636



DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF ARIZONA

05/13/2002		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
UNIT "B" I. D. D.														
DIVERSION AT IMPERIAL DAM	7/7E DIVERSION	1377	894	1306	2121	3361	3183	3249	3146	2418	2503	1968	896	26422
	RETURNS	761	464	465	955	1227	1019	1032	687	769	953	1045	1065	10442
	CONSUMPTIVE USE	616	430	841	1166	2134	2164	2217	2459	1649	1549	923	-169	15980
YUMA COUNTY WATER USERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	18500	22316	23825	40698	42245	27965	29295	23242	32023	50310	35258	24052	369729
PUMPED FROM WELLS	7I DIVERSION	163	114	168	166	151	117	116	44	118	117	172	134	1580
	RETURNS	11034	10261	10120	10740	11804	10177	10720	9235	11249	15776	15876	13642	140634
	CONSUMPTIVE USE	7629	12169	13873	30124	30592	17905	18691	14051	20892	34651	19554	10544	230675
COCOPAHI INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	312	521	69	612	1561	644	856	669	664	215	64	86	6273
PUMPED FROM WELLS	DIVERSION	3	3	0	2	6	3	3	1	2	1	0	0	24
PUMPED FROM WELLS, WEST COCOAPAH	DIVERSION	184	185	187	421	479	424	451	361	197	383	359	164	3794
	RETURNS	4	8	1	9	29	10	20	18	22	7	2	3	133
	CONSUMPTIVE USE	495	701	255	1026	2017	1061	1289	1013	840	592	421	248	9957
YUMA AREA OFFICE, USBR														
DIVERSION FROM MODE	DIVERSION	96	81	114	119	137	42	44	44	42	44	42	44	850
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	96	81	114	119	137	42	44	44	42	44	42	44	850
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	RETURNS 5/	5077	4634	4875	5180	5326	5093	2814	4965	5355	5946	5649	5900	60814
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY														
	DIVERSION 6/	3043	2872	3776	4004	5710	6757	5572	5463	5043	4425	3679	3313	53658
	RETURNS													
	CONSUMPTIVE USE													
ARIZONA TOTALS														
	11/ DIVERSION	266916	282539	302126	365479	415082	368916	312660	257389	242176	221255	247729	274637	3556904
	RETURNS	50477	46584	47767	60071	69283	66356	61773	57676	60631	66734	65774	62750	715876
	CONSUMPTIVE USE	216439	235955	254359	305408	345799	302559	250887	199713	181545	154521	181955	211887	2841028

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 af per irrigated acre.

4/ Calculated using monthly power records.

5/ Pumped from wells 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.

DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF ARIZONA

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(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
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/	321172												
Pumped from wells	1244												
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	2195 *												
Return flow North Gila Valley (6 drains & wasteways)	8265 *												
Return flow South Gila Valley wells (Drainage Pumping Outlet Canals)	60814												
Return flow Yuma Mesa Outlet Drain B/	49700 *												
Return flow protective and regulatory pumping unit C/	1922 *												
Estimated unmeasured groundwater return flow D/	26224												
Return flow share of Gila Main Canal loss E/	15028 *												
Subtotal return flow F/	164148	164148	check from above										
Consumptive Use (see note above)	158268	158269	check from above										

(A) Total for the North Gila Valley, the Yuma Irrigation District, the Yuma Mesa Irrigation and Drainage District, 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 ground water flows are recovered by pumping from wells on the Cocopah Indian Reservation and in the YCWUA area, and by some of the surface drains in the YCWUA area. Efforts will be made to at least quantify these return flows within broad limits by respective water user entities in future years.

8/ Diversion adjusted for delivery to Mohave Valley Irrigation and Drainage District (Chesney).

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 developing a method to separate the different sources of return flow and will apply that methodology when available.

10/ Includes 1 river pump, CRIT tribal usage delivered by the Town of Parker has been deducted.

11/ Annual Totals are rounded to the nearest 10 AF.

ARIZONA SUPPLEMENTAL USE TABULATION  
DAVIS DAM TO INTERNATIONAL BOUNDARY  
CALENDAR YEAR 2001  
STATE OF ARIZONA

05/13/2002

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Marble Canyon Company		1.0	1.2	1.2	1.7	1.8	2.1	2.1	2.3	2.1	2.1	1.6	1.4	20.4
SUBTOTAL, LEE FERRY TO DAVIS DAM	4/	1	1	1	2	2	2	2	2	2	2	2	1	20
McAlister, M. River intake		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	1.2
Crystal Beach Water Cons. District T4N/R20W Sec7		7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	90.0
Arizona State Parks (Windsor Beach)		1.2	1.0	1.6	1.8	2.1	2.6	2.8	2.7	2.2	1.8	1.3	1.3	22.4
Havasu Water Co. of AZ (Citizens Utilities)		40.3	32.4	39.4	41.1	50.4	88.7	72.0	71.4	62.2	66.7	48.3	40.5	653.1
SUBTOTALS, DAVIS DAM TO PARKER DAM	4/	49	41	48	50	60	99	82	82	72	76	57	50	767
Hillcrest Water Co.		1.65	1.35	1.31	2.06	2.07	2.27	1.94	2.62	2.24	2.03	2.20	1.73	23.5
Rayner, Jack Jr. (B-04-22)34 DCC(CDD)		32.7	260.4	281.1	30.2	344.0	559.1	233.3	383.6	171.1	0.0	123.3	98.7	2517.5
Rayner, Jack Jr. (B-04-22)34 DCC(DCD)		15.5	64.7	17.2	12.9	66.4	74.2	72.1	91.6	45.9	71.8	9.1	41.5	582.9
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/	117.9	94.5	161.0	173.8	212.4	257.2	280.6	270.0	212.2	177.7	126.3	124.3	2208.0
Cibola Sportsman Sec. 31, T1S, R23W, CCB		25.6	20.5	34.9	37.7	46.1	56.0	61.1	58.8	46.2	38.7	27.5	27.0	480.0
BLM Permitees (LHFO & YFO)		58.37	50.92	76.17	103.3	91.1	153.45	157.9	76.71	156.51	141.65	115.99	71.47	1253.5
SUBTOTALS, PARKER DAM TO IMPERIAL DAM	4/	252	492	572	360	762	1102	807	883	634	432	404	365	7065
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) 8DAC		10.9	5.8	7.0	7.0	45.2	48.1	77.6	5.4	54.9	32.8	2.9	6.3	303.9
Dulin, A. (C-8-22) 9CCC		440.8	455.7	466.7	482.4	592.9	658.4	644.3	539.6	559.2	527.1	553.7	390.6	6311.4
Glen Curtis Cit (C-8-22) 7CCD		42.7	31.8	29.1	127.8	230.7	324.9	22.4	258.0	236.2	114.7	49.6	142.9	1610.8
Glen Curtis Cit (C-8-22) 24BDD	2/3/	17.6	14.1	24.1	26.0	31.7	38.4	41.9	40.4	31.7	26.6	18.9	18.6	330.0
Glen Curtis Cit (C-8-22) 24BDD		295.4	267.6	271.5	235.4	475.6	455.5	341.0	412.7	439.2	534.9	390.8	233.7	4353.3
Glen Curtis Cit (C-8-22) 18DDD	2/3/	32.0	25.7	43.7	47.2	57.7	69.9	76.3	73.4	57.7	48.3	34.3	33.8	600.0
Youmans, R. SEC17 T08S R22W CBC	2/3/	51.3	41.1	70.0	75.6	92.4	111.8	122.0	117.4	92.3	77.3	54.9	54.0	960.0
Cameron Bros. SEC24 T08S R23W CCB	3/	26.0	20.9	35.6	38.4	46.9	56.8	62.0	59.7	46.9	39.3	27.9	27.5	487.8
Ott, Judd T. SEC30 T08S R22W BAB	3/	0.4	0.3	0.5	0.6	0.7	0.8	0.9	0.9	0.7	0.6	0.4	0.4	7.2
Ott, Judd T. (C-8-22) 19CCA	3/	29.9	23.9	40.8	44.0	53.8	65.1	71.1	68.4	53.7	45.0	32.0	31.5	559.1
Cameron Bros SEC24 T08S R23W CAD	3/	87.4	70.1	119.3	128.8	157.5	190.7	208.1	200.2	157.3	131.8	93.6	92.2	1637.0
Cameron Bros SEC25 T08S R23W ACB	3/	1.2	0.9	1.6	1.7	2.1	2.6	2.8	2.7	2.1	1.8	1.3	1.2	21.9
Ogram, George SEC24 T08S R23W DCC	3/	22.4	17.9	30.5	33.0	40.3	48.8	53.2	51.2	40.3	33.7	24.0	23.6	418.9
Peach SEC22 T08S R23W DCC		56.7	40.6	1.1	45.9	8.5	118.4	47.5	0.0	0.0	0.0	0.0	0.0	318.7
Ogram, George SEC23 T08S R23W CDA		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
Ott, Lee & Larry SEC23 T8S R23W	3/	29.9	23.9	40.8	44.0	53.8	65.2	71.1	68.4	53.8	45.0	32.0	31.5	559.4
Yucca Pwr Plant (APS) SEC36 T16S R12E CBA	3/	46.8	43.7	57.5	66.8	79.9	74.0	78.9	83.5	77.0	68.0	67.6	60.0	803.7
Amigo Farms SEC28 T16S R22E CDA		8.2	0.0	0.0	10.6	21.4	6.9	7.7	0.0	6.3	5.0	37.7	6.6	110.4
Curry Family LTD SEC29 T16S R22E DAC		11.5	10.6	23.7	0.5	10.2	36.7	6.0	0.0	37.4	0.0	14.9	16.0	167.5
Power, R.E. & P. SEC29 T16S R22E BCC	2/3/	152.2	122.0	207.8	224.3	274.2	332.0	362.2	348.6	273.9	229.4	163.0	160.5	2850.0
Hall, Ansil SEC36 T16S R21E BCB	2/3/	23.1	18.5	31.5	34.0	41.6	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	21.9	23.6	28.9	35.0	38.1	36.7	28.8	24.2	17.2	16.9	300.0
Cocopah Bend RV SEC30 T16S R22E BDB	2/	18.2	14.6	24.8	26.8	32.7	39.6	43.2	41.6	32.7	27.4	19.4	19.1	340.0
Doug Mellon Farm 16S/21E-25DAA		145.6	77.7	68.7	132.1	284.7	123.5	84.4	64.9	96.3	33.5	162.4	80.9	1354.7
Doug Mellon Farm 16S/22E-30CDA		0.0	0.4	59.4	54.1	167.1	43.7	10.1	0.4	45.2	7.8	101.3	42.6	532.1
Farmland Mgmt SEC19 T09S R24W BAD		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Farmland Mgmt SEC19 T09S R24W BDD		17.4	0.0	0.0	30.5	12.6	4.9	32.6	0.0	11.4	0.0	0.0	0.0	109.4

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CALENDAR YEAR 2001  
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(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Farmland Mgmt	SEC19 T09S R24W BDA	9.4	0.0	0.0	0.0	16.4	6.5	0.3	19.2	0.0	15.2	16.4	6.3	89.7
Waymon Farms	SEC31 T09S R24W BBB	244.8	129.5	114.8	255.4	237.1	72.1	53.8	64.4	157.3	364.8	176.2	153.7	2023.9
Waymon Farms	SEC36 T09S R25W AAA	183.5	68.3	202.1	235.1	254.3	78.3	57.4	67.7	120.5	267.2	108.0	179.9	1822.3
W. Brand-D. Donnelly	(C-9-25) 35ABA	2/3/	33.6	27.0	45.9	49.6	60.6	73.4	80.1	77.0	60.5	50.7	36.0	630.0
J. W. Cumings	(C-10-25) 1BBA		26.5	129.5	62.4	205.0	126.4	118.5	26.7	75.3	164.5	85.8	108.0	1233.5
P. Sibley	(C-10-25) 2CDA	2/3/	104.1	83.5	142.2	153.5	187.6	227.2	247.8	238.5	187.4	157.0	111.5	1950.0
J. W. Cumings	(C-10-25) 14ADB		61.5	29.8	55.3	54.4	36.1	73.3	101.1	76.3	67.8	28.8	0.0	584.4
C. & J. Cummings	(C-10-25) 26BAB	2/3/	25.6	20.5	35.0	37.8	46.2	55.9	61.0	58.7	46.1	38.6	27.5	480.0
J. Barkley	(C-10-25) 25CBA	2/3/	25.6	20.5	35.0	37.8	46.2	55.9	61.0	58.7	46.1	38.6	27.5	480.0
Brown, Roger S.	(C-11-25) 2BBA		32.0	25.7	43.7	47.2	57.7	69.9	76.3	73.4	57.7	48.3	34.3	600.0
Hughes, Earl	(C-11-25) 3DAC		12.9	8.0	32.0	23.5	17.1	53.9	3.5	20.3	0.0	5.2	13.6	238.1
State of Arizona (State Land Department)			378.9	439.6	682.4	523.3	922.9	1624.6	1306.3	1095.6	916.0	696.9	611.7	9834.8
SUBTOTALS, BELOW IMPERIAL DAM	4/		2741	2338	3155	3592	4886	5554	4681	4496	4335	3915	3216	45806
*** Total Arizona Supplemental Tabulation***	4/		3043	2872	3776	4004	5710	6757	5572	5463	5043	4425	3679	53658

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 af per acre.

3/ Reported annual total only, distributed monthly according to nearby users.

4/ Values rounded to the nearest 1 af.

DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF CALIFORNIA

05/13/2002

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
FORT MOJAVE INDIAN RESERVATION DELIVERED BY CITY OF NEEDLES PUMPED FROM RIVER AND WELLS	DIVERSION	3	3	3	4	5	7	7	6	5	5	4	4	55
	DIVERSION 4/ RETURNS	386	637	3369	1337	2479	2583	2572	2700	933	479	619	363	18457
	CONSUMPTIVE USE	389	640	3372	1341	2484	2590	2579	2706	938	484	623	367	18512
CITY OF NEEDLES 4 WELLS NW SW SEC 29 T9N R23E SBM	DIVERSION	106	120	135	211	287	354	352	264	269	251	189	178	2717
	RETURNS 9/ CONSUMPTIVE USE	61	39	45	42	43	46	51	54	49	78	49	28	585
	CONSUMPTIVE USE	45	81	90	170	244	308	301	210	220	174	140	150	2132
CHEMEHUEVI INDIAN RESERVATION PUMPED FROM RIVER AND WELLS	DIVERSION 7/ RETURNS	13	18	19	12	17	13	36	34	20	22	7	5	216
	CONSUMPTIVE USE													
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	DIVERSION	98605	97880	106470	105630	109377	105988	108907	109979	96830	106189	105182	102542	1253579
	RETURNS 2/ CONSUMPTIVE USE	277	252	255	245	271	248	262	247	240	250	261	269	3077
	CONSUMPTIVE USE	98328	97628	106215	105385	109106	105740	108645	109732	96590	105939	104921	102273	1250502
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	DIVERSION	6	5	7	7	19	27	19	28	22	14	7	5	167
	RETURNS	1	0	1	0	0	1	1	1	1	1	1	0	7
	CONSUMPTIVE USE	5	5	7	7	19	26	19	27	21	13	6	5	160
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 4 PUMPS AND WELLS 4 PUMPS BIG RIVER	DIVERSION 4/ DIVERSION 4/6/ RETURNS	31	123	37	287	286	350	293	358	302	284	101	190	2643
	CONSUMPTIVE USE	89	113	138	180	206	206	192	178	117	86	71	77	1653
	CONSUMPTIVE USE	120	236	175	468	492	556	485	536	419	371	172	267	4296
CITY OF WINTERHAVEN 1 WELL SE NE NE SEC 27 T16S R22E SBM	DIVERSION 6/ RETURNS	7	6	10	10	13	15	17	16	13	11	8	7	132
	CONSUMPTIVE USE													
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	DIVERSION	20180	57230	46160	89440	107000	123800	119200	114200	89810	68870	53800	55050	944740
	RETURNS	25027	28535	29636	34966	39815	39956	41066	47052	47050	44107	36643	38253	452106
	CONSUMPTIVE USE	-4847	28695	16524	54474	67185	83844	78134	67148	42760	24763	17157	16797	492634
YUMA PROJECT, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	1985	2308	2744	5216	5561	2016	2402	2321	3328	6154	4215	2742	40992
	RETURNS	23	28	34	61	75	21	46	49	80	153	117	66	753
	CONSUMPTIVE USE	1962	2280	2710	5155	5486	1995	2356	2272	3248	6001	4098	2676	40239
YUMA PROJECT, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	2424	2573	2420	4952	6531	4966	4485	3280	3622	4957	3745	2225	46180
	RETURNS	16	17	17	35	56	37	51	43	57	76	66	31	502
	CONSUMPTIVE USE	2408	2556	2403	4917	6475	4929	4434	3237	3565	4881	3679	2194	45678
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS	RETURNS 3/ CONSUMPTIVE USE	2546	2118	2868	3125	2474	2687	2469	2821	2149	2502	3858	3023	32640
TOTAL USE: YUMA PROJECTS, RES. DIV.	CONSUMPTIVE USE	1824	2718	2245.45	6947	9487	4237	4321	2688	4664	8380	3919	1846.92	53277

DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
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05/13/2002		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
<b>IMPERIAL IRRIGATION DISTRICT</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	125766	167868	221562	342406	371484	339109	370894	340093	293193	265665	198881	154005	3190927
	RETURNS	2494	3479	4593	7052	9398	7572	11995	12700	13305	11740	10063	6624	101015
	CONSUMPTIVE USE	123272	164389	216969	335355	362086	331537	358899	327392	279888	253925	188818	147381	3089911
<b>COACHELLA VALLEY WATER DISTRICT</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	15661	15787	20027	30689	40950	36887	35138	37462	31594	26729	26942	18066	335932
	RETURNS	311	327	415	632	1036	824	1136	1399	1434	1181	1363	777	10835
	CONSUMPTIVE USE	15350	15459	19612	30057	39914	36064	34002	36063	30160	25548	25579	17289	325096
<b>OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY</b>														
	DIVERSION 5/	862	802	1169	1492	2118	1733	1857	1943	1952	1625	1220	1077	17850
	RETURNS													
	CONSUMPTIVE USE													
<b>CALIFORNIA TOTALS</b> <span style="float: right;">10/</span>														
	DIVERSION	266123	345473	404271	581875	646332	618054	646371	612862	522010	481341	394989	336538	5856238
	RETURNS	30756	34796	37864	46158	53169	51391	57077	64366	64365	60087	52421	49072	601520
	CONSUMPTIVE USE	235368	310677	366407	535717	593163	566663	589293	548496	457645	421254	342568	287466	5254718
	WATER MANAGEMENT													
	ACCT. CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	0
	TOTAL USE	235368	310677	366407	535717	593163	566663	589293	548496	457645	421254	342568	287466	5254718
<b>WATER CONSERVATION PROGRAM</b>														
IMPERIAL I. D./METROPOLITAN W. D. CONSERVED WATER	8/	8906	8906	8906	8906	8906	8906	8906	8906	8906	8906	8906	8914	106880

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 seepage returning from regulatory reservoirs 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 af per irrigated acre.
- 8/ IID/MWD Water Conservation Program Phase 1 conserved water made available by IID for diversion in current year by MWD.
- 9/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California).
- 10/ Annual Totals are rounded to the nearest 10 af.

CALIFORNIA SUPPLEMENTAL USE TABULATION  
DAVIS DAM TO INTERNATIONAL BOUNDARY  
CALENDAR YEAR 2001  
STATE OF CALIFORNIA

05/13/2002

(ACRE-FEET)

WATER USER			JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/	
Southern Cal Gas	09N/23E -29DCA	4/	0.6	1.3	0.7	2.0	5.8	11.5	13.7	11.5	10.0	4.1	0.4	0.0	61.4	
Pacific Gas & Electric		3/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
Havasu Water Company of CA	T5N/R25E SEC31		3.8	3.3	3.4	4.0	5.5	6.4	6.7	6.4	6.3	4.8	3.9	4.0	58.5	
SUBTOTALS, DAVIS DAM TO PARKER DAM			5/	4	5	4	6	11	18	20	18	16	9	4	120	
Lye, C. L.	1S/24E -16Gb	2/4/	4.0	6.3	8.4	9.3	9.2	14.3	9.5	9.9	11.7	11.1	7.0	0.0	100.7	
Lake Enterprises (Chemgold, Inc.)		3/	1.0	1.2	2.5	3.0	4.5	4.6	5.0	4.5	2.5	0.8	0.5	0.5	30.5	
BLM Permittees (Multiple diversion points)		3/	28.5	24.6	35.9	45.5	50.8	53.5	56.4	59.8	64.3	45.1	40.5	30.9	535.7	
SUBTOTALS, PARKER DAM TO IMPERIAL DAM			5/	34	32	47	58	64	72	74	79	57	48	31	667	
Valdez, Mike	SEC35 T15S R23E DDC	2/4/	25.6	20.5	34.9	37.7	46.1	56.0	61.1	58.8	46.2	38.7	27.5	27.0	480.0	
Living Earth Frm	SEC02 T16S R23E BBC	4/	25.6	20.5	34.9	37.7	46.1	56.0	61.1	58.8	46.2	38.7	27.5	27.0	480.0	
Valdez, Mike	SEC22 T16S R23E BDD		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	
Power, Pete	SEC14 T16S R23E CCB	2/4/	128.2	102.7	175.0	188.9	230.9	279.6	305.0	293.5	230.6	193.2	137.3	135.1	2400.0	
Harp, P. (R. Harp)	(C-8-23)13AAD	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	
Horizon Farms	(C-8-22) 6CDA	4/	167.9	115.9	254.2	221.1	421.0	264.9	230.6	255.4	269.6	331.1	260.2	179.7	2971.6	
Horizon Farms	(C-8-22) 7BAB	4/	0.0	3.7	3.0	0.7	17.7	5.2	11.1	36.9	20.0	8.9	5.5	8.1	120.8	
Horizon Farms	(C-10-22) 7ABD	4/	12.0	9.6	16.4	17.7	21.6	26.2	28.6	27.5	21.6	18.1	12.9	12.7	225.0	
Horizon Farms	(C-10-22) 6DCB	4/	12.0	9.6	16.4	17.7	21.6	26.2	28.6	27.5	21.6	18.1	12.9	12.7	225.0	
Horizon Farms	(C-8-22) 6BBB	2/4/	12.0	9.6	16.4	17.7	21.6	26.2	28.6	27.5	21.6	18.1	12.9	12.7	225.0	
Horizon Farms	(C-8-22) 6BCD	4/	26.7	21.4	36.5	39.4	48.1	58.3	63.6	61.2	48.1	40.3	28.6	28.2	500.0	
Horizon Farms	(C-8-22) 6CBA	4/	76.9	89.4	65.0	125.6	182.6	190.7	184.0	133.8	92.4	88.7	99.8	48.8	1377.7	
Horizon Farms	(C-10-22) 6CBB	4/	12.0	9.6	16.4	17.7	21.6	26.2	28.6	27.5	21.6	18.1	12.9	12.7	225.0	
MivCo Packing	(C-16-23) 9CCA	4/	61.8	53.6	67.3	96.1	89.3	17.9	24.7	44.0	123.6	221.2	182.7	87.9	1070.1	
Horizon Farms	(C-8-22) 1BBA	4/	9.4	28.1	0.0	21.9	53.1	46.9	25.0	71.9	90.6	31.2	28.1	21.9	428.1 -1	
Ed Wavers Farms	(C-8-23) 1BAD	4/	18.8	25.0	15.6	28.1	75.0	78.1	65.6	87.5	28.1	37.5	0.0	0.0	459.3	
Horizon Farms (formerly Living Earth) (C-8-23) 2ADC		4/	2.4	12.1	3.5	0.0	8.3	0.0	0.0	0.0	3.5	0.0	0.0	0.0	29.8 -4	
Land, K. H.	(C-8-23) 2DDA	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	
Wilson Farms	(C-8-23) 12BBA	4/	1.2	1.2	0.0	3.5	5.9	8.3	10.6	2.4	1.2	0.0	0.0	0.0	34.3	
Horizon Farms	(C-8-23) 1DCC	4/	45.4	2.7	15.1	20.6	19.2	0.0	0.0	35.7	31.6	5.5	0.0	23.4	199.2 -1	
Dees, Alex	(C-8-23) 1DAC	4/	58.9	75.5	117.8	182.3	294.6	220.9	303.8	261.2	298.3	136.2	82.8	73.6	2105.9	
Harp, Robert	(C-8-23) 12DAC	2/4/	9.6	7.7	13.1	14.2	17.3	21.0	22.9	22.0	17.3	14.5	10.3	10.1	180.0	
Horizon Farms	(C-8-23) 12AAC	4/	54.6	42.9	42.9	107.7	253.3	184.1	196.5	147.7	192.1	138.3	124.4	204.5	1689.0	
Horizon Farms	(C-8-23) 12CDB	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	
Power, O. L.	(C-8-23) 11DCA	4/	49.4	92.1	155.1	211.2	123.6	20.2	53.9	139.3	206.7	141.6	87.6	101.1	1381.8	
Valdez, Mike	T16S R23E SEC 30ACC		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	
Valdez, Mike	T16S R23E SEC 30ADD		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	
Unknown, I.D.	16S-22E 29DAD	2/4/	12.8	10.3	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.		3/4/	0.3	0.2	0.4	0.4	0.5	0.6	0.7	0.7	0.5	0.4	0.3	0.3	5.4	
Wetmore, Mark M.		3/4/	0.5	0.4	0.7	0.7	0.9	1.1	1.2	1.1	0.9	0.7	0.5	0.5	9.3	
Williams, Jerry		3/	0.1	0.0	0.0	0.0	0.2	0.1	0.2	0.2	0.1	0.1	0.1	0.1	1.1	
Lindeman, William H. & Hazel D.		3/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	
Carney, Jerome D.		3/4/	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.5	
Phillips, Dorothy L.		3/4/	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
SUBTOTALS, BELOW IMPERIAL DAM			5/	824	765	1118	1428	2043	1643	1766	1851	1857	1559	1168	1042	17064
*** Total California Supplemental Tabulation ***			5/	862	802	1169	1492	2118	1733	1857	1943	1952	1625	1220	1077	17850

5870.1

CALIFORNIA SUPPLEMENTAL USE TABULATION  
 DAVIS DAM TO INTERNATIONAL BOUNDARY  
 CALENDAR YEAR 2001  
 STATE OF CALIFORNIA

05/13/2002

(ACRE-FEET)

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

- 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 af per acre.
- 3/ Location of well/pump not reported.
- 4/ Reported annual total only, distributed monthly according to nearby users.
- 5/ Values rounded to the nearest 1 af.



DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF NEVADA

05/13/2002

(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	5	5	7	5	6	6	4	7	6	4	5	6	65
	RETURNS	3	3	3	3	2	2	2	2	1	2	2	2	27
	CONSUMPTIVE USE	2	2	3	2	4	4	2	5	4	2	3	4	38
ROBERT B. GRIFFITH WATER PROJECT														
DIVERSION AT SADDLE ISLAND, LAKE MEAD														
BY USER: BOULDER CITY 4/														
	LAS VEGAS VALLEY W.D. 4/	28261	26610	31027	40457	48489	39436	44970	44849	39894	40655	30120	25571	440339
	HENDERSON 4/	441	421	538	746	1020	1219	1279	1270	1145	904	720	522	10225
	NORTH LAS VEGAS 4/	22824	21015	24294	31292	36452	27121	31651	31706	28194	30480	22555	18894	326479
	NELLIS AIR FORCE BASE 4/	2614	2978	3555	4952	6503	6851	7480	7416	6628	5533	4128	3544	62182
	RETURNS	2330	2173	2593	3420	4382	4105	4323	4160	3646	3488	2566	2496	39682
	CONSUMPTIVE USE	51	24	47	48	132	141	237	296	282	249	151	114	1771
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSIONS FROM LAKE MEAD														
	DIVERSION	33	26	30	42	217	88	53	53	40	49	41	36	706
	RETURNS													
	CONSUMPTIVE USE													
LAKE MEAD NATIONAL RECREATION AREA														
DIVERSION FROM LAKE MOHAVE														
(COTTONWOOD)														
	DIVERSION	16	32	14	17	19	17	31	31	24	41	43	22	308
	RETURNS													
	CONSUMPTIVE USE													
BASIC MANAGEMENT INC.														
DIVERSION AT SADDLE ISLAND, LAKE MEAD														
	DIVERSION	378	299	374	314	316	581	480	549	516	577	386	440	5210
	RETURNS													
	CONSUMPTIVE USE													
CITY OF HENDERSON														
DIVERSION AT SADDLE ISLAND, LAKE MEAD														
	DIVERSION	490	420	792	828	1233	1453	1667	1821	1522	1312	876	375	12789
	RETURNS													
	CONSUMPTIVE USE													
NEVADA DEPARTMENT OF FISH & GAME														
DIVERSION AT SADDLE ISLAND, LAKE MEAD														
	DIVERSION	546	459	473	447	479	462	508	566	547	562	532	541	6122
	RETURNS	545	458	472	446	478	461	507	565	546	561	531	540	6110
	CONSUMPTIVE USE	1	1	1	1	1	1	1	1	1	1	1	1	12
CITY OF BOULDER CITY														
DIVERSION AT HOOVER DAM														
	DIVERSION	7	6	7	31	42	59	79	58	56	39	43	39	466
	RETURNS													
	CONSUMPTIVE USE													
PACIFIC COAST BUILDING PRODUCTS INC.														
DIVERSION AT GYPSUM WASH, LAKE MEAD														
	DIVERSION	48	55	64	62	71	64	80	82	82	68	69	53	798
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN NEVADA WATER AUTHORITY (SCE)														
PUMPED FROM SEC 24 T32S R66E MDB&M														
	DIVERSION	773	854	952	528	1245	1394	1361	1464	1215	1330	1082	770	12968
	RETURNS													
	CONSUMPTIVE USE													

DIVERSIONS FROM MAINSTREAM, RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2001  
STATE OF NEVADA

05/13/2002

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
BIG BEND WATER DISTRICT														
DIVERSION SEC 12 T32S R66E MDB&M	DIVERSION	372	329	375	426	491	507	527	558	492	445	392	339	5253
	RETURNS	244	229	266	267	247	250	289	294	217	268	269	237	3077
	CONSUMPTIVE USE	128	100	109	159	244	257	238	264	275	177	123	102	2176
FORT MOJAVE INDIAN RESERVATION 2 WELLS, SECTIONS 27 & 5														
	DIVERSION	170	216	295	431	638	683	541	482	421	233	226	185	4521
	RETURNS													
	CONSUMPTIVE USE													
LAS VEGAS WASH RETURN FLOWS														
	RETURNS 2/	15712	14086	16620	14527	12727	12415	12141	11702	12365	14403	13899	14314	164911
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO CALIFORNIA BOUNDARY														
	DIVERSION 3/ RETURNS CONSUMPTIVE USE	0	0	1	1	1	1	1	1	1	1	1	1	10
NEVADA TOTALS														
	5/ DIVERSION	31099	29311	34410	43589	53247	44750	50303	50521	44816	45315	33815	28377	489554
	RETURNS	16504	14776	17361	15243	13454	13128	12939	12563	13129	15234	14701	15093	174125
	CONSUMPTIVE USE	14596	14536	17049	28346	39793	31623	37364	37957	31687	30081	19114	13284	315429
GROUNDWATER INJECTED STORAGE														
6/ LAS VEGAS VALLEY WATER DIST.														
	INJECTED	5471	5200	4241	4916	1441	0	0	0	0	0	0	0	21269
	WITHDRAWN	0	0	0	0	0	0	0	0	478	16	0	0	494
CITY OF NORTH LAS VEGAS														
	INJECTED	13	29	21	26	17	0	0	0	0	0	0	0	106
	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/ Annual Totals are rounded to the nearest 10 af.

6/ Nevada Injected Storage Balance:

Beginning of Year Cumulative Injected Storage	232163
Plus Current Year Additions	21375
Minus Current Year Withdrawls	494
End of Year Cumulative Injected Storage	253044

NEVADA SUPPLEMENTAL USE TABULATION  
 DAVIS DAM TO INTERNATIONAL BOUNDARY  
 CALENDAR YEAR 2001  
 STATE OF NEVADA

05/13/2002

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
Sportsman's Park	4/ *	0.4	0.4	0.8	0.8	0.9	1.1	1.2	1.2	0.9	0.8	0.6	0.5	9.7
Boy Scouts of America SEC5 T33S R66E	2/ *	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
*** Total Nevada Supplemental Tabulation ***	3/	0	0	1	1	1	1	1	1	1	1	1	1	10

- 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.
- 3/ Values rounded to the nearest whole number.
- 4/ Estimated ET using reference ET and acreage method.

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 ET AL. DATED MARCH 9, 1964

CALENDAR YEAR 2001

The following tabulations for calendar year 2001 show records of releases of mainstream water pursuant to orders thereto, but not diverted by the party ordering the same (rejected water), and the quantity of such water delivered to Mexico in satisfaction of the Mexican Treaty or diverted by others in satisfaction of decreed rights. In addition to the requirements of the Decree we have tabulated quantities of such rejected water delivered to Mexico in excess of Treaty requirements and quantities delivered to storage. Due to concerns regarding the accuracy of the program used to pro-rate individual contributions of rejected water which were delivered to Mexico in excess of Treaty requirements, this line has been zeroed out, resulting in all rejected water reported as having been delivered to storage or other users.

Water ordered but not diverted was analyzed daily for each diverter as the absolute value of the difference between the 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 quantities. Final approval of daily orders was given in advance of the delivery date by the amount of time required for water to travel between the storage location and the users point of diversion from 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 are scheduled based on Mexico's daily orders. Releases from storage are scheduled in sufficient quantities, which when added to return flows, 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.

Currently, no daily 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 2001  
STATE OF ARIZONA

05/13/2002

(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	2602	2306	9744	1444	1780	5613	6653	2489	959	4119	5647	2415	45771
DIVERTED BY OTHERS DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2029	5433	15231	3447	3370	16158	1724	6188	302	2935	9362	3852	45771
	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	6	323	732	1025	3917	2275	3981	1020	1200	736	282	502	15999
DIVERTED BY OTHERS DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	2	145	317	1025	3917	1718	3981	1020	1200	736	282	502	14845
	4	179	415	0	0	557	0	0	0	0	0	0	1155
	0	0	0	0	0	0	0	0	0	0	0	0	0
NORTH GILA VALLEY I.D., DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2632	1410	2166	1751	1894	2067	3326	1710	1912	4907	4027	3082	30884
DIVERTED BY OTHERS DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	585	383	335	932	1656	1494	1581	662	1018	902	1079	1329	11956
	2047	1027	1831	819	238	573	1745	1048	895	4005	2948	1753	18929
	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	6236	3584	5962	2735	226	756	3477	3426	4824	4586	4816	4195	44823
DIVERTED BY OTHERS DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	240	266	268	2735	226	264	587	3426	1494	764	901	754	11925
	5996	3318	5695	0	0	492	2890	0	3330	3822	3915	3441	32899
	0	0	0	0	0	0	0	0	0	0	0	0	0
YUMA IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	970	268	1184	363	0	127	742	585	466	464	365	496	6030
DIVERTED BY OTHERS DELIVERED TO STORAGE 1/ DELIVERED TO MEXICO IN EXCESS OF TREATY	97	24	52	363	0	109	242	585	226	89	139	133	2059
	873	244	1133	0	0	18	500	0	240	375	226	363	3972
	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 2001  
STATE OF ARIZONA

WATER USER	05/13/2002												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
YUMA MESA I. & D. DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	2182	2408	3477	2918	0	3679	3535	0	3558	2690	3947	1936	30330
DIVERTED BY OTHERS	301	438	442	2918	0	1623	1420	0	1351	536	791	607	10427
DELIVERED TO STORAGE 1/	1881	1970	3035	0	0	2057	2115	0	2208	2154	3156	1329	19905
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
UNIT "B" I. & D. DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	444	387	294	278	0	567	301	0	494	165	131	194	3255
DIVERTED BY OTHERS	97	81	50	278	0	538	89	0	214	60	32	56	1495
DELIVERED TO STORAGE 1/	347	306	244	0	0	30	212	0	280	105	99	139	1762
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
YUMA COUNTY WATER USERS' ASSN., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	4903	6536	6617	7355	6853	3068	3203	2606	2257	3840	5726	4905	57869
DIVERTED BY OTHERS	1367	2047	2196	7355	6853	2465	3203	2606	2257	3840	5726	4905	44820
DELIVERED TO STORAGE 1/	3537	4489	4421	0	0	603	0	0	0	0	0	0	13050
DELIVERED TO MEXICO IN EXCESS OF TREATY	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	19975	17222	30176	17869	14670	18152	25218	11836	15670	21507	24941	17725	234961
DIVERTED BY OTHERS	2689	3384	3660	15606	12652	8211	11103	8299	7760	6927	8950	8286	97527
DELIVERED TO STORAGE 1/	16714	16966	32005	4266	3608	20488	9186	7236	7255	13396	19706	10877	137443
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0

1/ 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 2001  
STATE OF CALIFORNIA

WATER USER	05/13/2002												TOTAL
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	
METROPOLITAN WATER DISTRICT, DIVERSION AT LAKE HAVASU													
ORDERED BUT NOT DIVERTED	13100	3200	6200	2400	2500	2300	1700	3700	1800	1200	3100	3900	45100
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS													
DELIVERED TO STORAGE 1/	13100	3200	6200	2400	2500	2300	1700	3700	1800	1200	3100	3900	45100
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT, DIVERSION AT PALO VERDE DAM													
ORDERED BUT NOT DIVERTED	2799	486	2729	2817	2043	1210	2817	8529	7178	2297	1704	99	34708
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	748	81	1240	2817	2043	1180	2817	8529	7178	2297	1704	99	30733
DELIVERED TO STORAGE 1/	2051	405	1490	0	0	30	0	0	0	0	0	0	3976
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
YUMA PROJECT RESV. DIVISION, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	2704	2231	2642	791	2110	902	1654	1753	2190	1382	3580	0	21939
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	724	623	817	791	2110	706	1654	1753	2190	591	1406	0	13365
DELIVERED TO STORAGE 1/	1980	1609	1825	0	0	196	0	0	0	791	2174	0	8575
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
IMPERIAL IRRIGATION DISTRICT, DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	12494	20591	15223	6145	5022	2586	2085	5568	6032	7095	6702	8351	97894
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	1307	2299	4403	6145	5022	2382	2085	5568	6032	7095	6702	8351	57391
DELIVERED TO STORAGE 1/	11187	18292	10820	0	0	204	0	0	0	0	0	0	40503
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0
COACHELLA VALLEY WATER DIST., DIVERSION AT IMPERIAL DAM													
ORDERED BUT NOT DIVERTED	1700	1242	1329	682	210	155	1162	563	504	105	0	1023	8675
DELIVERED TO MEXICO IN													
SATISFACTION OF TREATY													
DIVERTED BY OTHERS	254	224	593	682	75	141	1162	563	504	105	0	1023	5326
DELIVERED TO STORAGE 1/	1446	1018	736	0	135	14	0	0	0	0	0	0	3349
DELIVERED TO MEXICO IN													
EXCESS OF TREATY	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 2001  
 STATE OF CALIFORNIA

05/13/2002

(ACRE-FEET)

WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
<b>CALIFORNIA TOTALS</b>													
ORDERED BUT NOT DIVERTED DELIVERED TO MEXICO IN SATISFACTION OF TREATY	32797	27750	28123	12835	11885	7153	9418	20113	17704	12079	15086	13373	208316
DIVERTED BY OTHERS	3033	3227	7053	10435	9250	4409	7718	16413	15904	10088	9812	9473	106815
DELIVERED TO STORAGE 1/	29764	24524	21071	2400	2635	2744	1700	3700	1800	1991	5274	3900	101503
DELIVERED TO MEXICO IN EXCESS OF TREATY	0	0	0	0	0	0	0	0	0	0	0	0	0

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 ET AL. DATED MARCH 9, 1964

CALENDAR YEAR 2001

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY  
AND  
WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS  
CALENDAR YEAR 2001

05/13/2002		(ACRE-FEET)												
WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY AT NORTHERLY INT'L BOUNDARY	1/	157038	183630	232895	189559	99305	113499	133766	105904	93834	73495	87430	112872	1583227
DELIVERY AT SOUTHERLY INT'L BOUNDARY		9436	9030	8825	10449	11294	8684	9212	7685	9261	11666	11524	10284	117350
DELIVERY AT TIJUANA	2/	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL DELIVERY TO MEXICO	3/	166474	192660	241720	200008	110599	122183	142978	113589	103095	85161	98954	123156	1700577
TO MEXICO AS SCHEDULED		136798	160824	204111	187021	102809	119777	125941	96410	89308	67474	94169	115358	1500000
TO MEXICO IN EXCESS OF SCHEDULE	4/	29676	31836	37609	12987	7790	2406	17037	17179	13787	17687	4785	7798	200577
WATER BYPASSED PURSUANT TO MINUTE 242		10072	8343	9176	8583	8650	8465	2212	4787	8313	8662	11926	14555	103744

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

2/ Temporary emergency delivery of Colorado River entitlement at Tijuana, via the Colorado River Aqueduct, pursuant to Minute 308.

3/ Does not include Water Bypassed Pursuant to Minute 242.

4/ 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 ET AL. DATED MARCH 9, 1964

CALENDAR YEAR 2001

DIVERIONS FROM MAINSTREAM OF GILA AND SAN FRANCISCO RIVERS  
AND  
CONSUMPTIVE USE OF SUCH WATER FOR BENEFIT OF THE GILA NATIONAL FOREST  
CALENDAR YEAR 2001

05/13/2002

(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

R E V I S I O N S

RECORDS OF DIVERSIONS, RETURN FLOWS, AND CONSUMPTIVE USE

IN ACCORDANCE WITH ARTICLE V(B) OF THE DECREE OF

THE SUPREME COURT OF THE UNITED STATES IN

ARIZONA v. CALIFORNIA ET AL.

DATED MARCH 9, 1964

REVISIONS TO THE CALENDAR YEAR 2000 DECREE REPORT

The following pages contain corrections which have been made to the 2000 record since the printing of the 2000 Decree Accounting Report. The paragraphs below discuss each of the corrections.

In the 2000 report, the consumptive use by Lower Colorado River Dams Project, Davis Dam, Arizona was incorrectly reported as 26 acre-feet, which is the amount diverted. The measured return flows were not reported; the correct consumptive use is 0.3 acre-feet, with a 25.7 acre-feet return flow.

In the 2000 report the diversion "Pumped from 11 pumps and wells" for the Colorado River Indian Reservation, in California was incorrectly reported as 25,089 acre-feet. The correct diversion from these wells was 1838 acre-feet, this results in a total diversion of 3557 acre-feet.

An error was made in the calculation of diversions from the All-American Canal and the Gila Gravity Main Canal which resulted in an approximately 240,000 acre-feet under reporting of diversions from the Colorado River to the States of Arizona and California.

All corrected values are shown on the following revised Summary, and Arizona and California Diversions, Return Flow and Consumptive Use tables from the 2000 Decree Accounting report. Corrected values are highlighted with gray background.

We hope that these errors have not caused an inconvenience. We strive to report the most accurate data possible and will continue to make every effort to avoid errors in the future.

SUMMARY  
USE BY STATE, UNMEASURED RETURNS ESTIMATE, AND RESERVOIR CONTENTS  
CALENDAR YEAR 2000

Revised from 2001 Report

05/13/2002

(THOUSAND ACRE-FEET)

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
LOWER BASIN STATES WATER USE SUMMARY:													
ARIZONA	165.2	217.0	282.3	324.8	363.7	248.0	236.1	198.2	167.9	153.4	218.2	237.9	2812.8
CALIFORNIA	299.1	335.7	472.3	565.9	590.7	552.8	580.4	511.5	446.9	400.2	319.5	284.1	5359.2
NEVADA	15.6	14.6	22.3	31.3	36.9	33.4	36.7	36.9	29.4	30.4	21.4	13.1	322.0
SUBTOTAL	480.0	567.2	776.9	922.0	991.3	834.2	853.3	746.6	644.3	584.0	559.1	535.2	8494.1
UNMEASURED RETURNS 1/	14.5	11.6	19.8	21.4	26.2	31.7	34.6	33.3	26.2	21.9	15.6	15.3	272.4
TOTAL USE, LOWER BASIN STATES	465.5	555.6	757.1	900.6	965.2	802.5	818.6	713.3	618.1	562.1	543.5	519.9	8221.7
MEXICO IN SATISFACTION OF TREATY	171.9	187.0	218.6	198.8	170.6	157.1	163.9	133.8	131.3	173.5	155.2	175.4	2037.1
WATER BYPASSED PURSUANT TO MINUTE 242	8.3	6.9	7.9	8.2	8.4	8.4	10.7	9.7	9.7	9.3	9.4	10.4	107.4
TOTAL USE, LOWER BASIN STATES & MEXICO 2/	645.7	749.5	983.6	1107.7	1144.2	967.9	993.3	856.8	759.2	744.9	708.2	705.6	10366.2
END OF MONTH ACTIVE CONTENTS:													
LAKE POWELL	21137	20948	20819	20674	21045	21758	21569	21305	20939	20753	20302	19823	251072
LAKE MEAD	25046	24974	24598	24213	24047	23514	22912	22435	22444	22435	22405	22358	281381
LAKE MOHAVE	1685	1664	1674	1697	1747	1701	1670	1710	1523	1348	1471	1609	19498
LAKE HAVASU	553	538	543	576	593	593	576	595	566	588	542	547	6810
TOTAL LOWER BASIN STORAGE	27284	27176	26815	26486	26387	25808	25158	24741	24533	24371	24418	24514	307689
USE ABOVE HOOVER DAM:													
ARIZONA	0.003	0.004	0.004	0.009	0.013	0.016	0.016	0.016	0.009	0.010	0.006	0.005	0.111
NEVADA	14.508	13.560	20.978	30.486	35.708	31.871	35.033	35.298	27.874	29.141	20.129	11.827	306.413
TOTAL USE ABOVE HOOVER DAM	14.511	13.564	20.982	30.495	35.721	31.887	35.049	35.314	27.883	29.151	20.135	11.832	306.524
USE BELOW PARKER DAM:													
ARIZONA	35.5	65.7	100.4	134.6	160.2	153.2	150.8	123.3	112.1	84.5	60.0	41.8	1222.2
CALIFORNIA	187.7	231.2	359.6	454.5	474.2	443.5	467.1	398.3	339.2	289.4	213.8	175.1	4033.5
MEXICO 3/	180.3	193.9	226.5	207.1	179.0	165.4	174.7	143.5	141.1	182.8	164.7	185.8	2144.6
TOTAL USE BELOW PARKER DAM	403.5	490.8	686.5	796.1	813.5	762.2	792.6	665.0	592.4	556.7	438.5	402.6	7400.3

1/ Estimated total unmeasured return 272,365 acre-feet (af) reduces States' use. Estimated unmeasured return, by State, is 169,374 af in Arizona, 100,867 af in California, and 2,128 af in Nevada.

2/ Sum of Total Use, Lower Basin States, deliveries to Mexico in satisfaction of Treaty and water bypassed pursuant to Minute 242.

3/ Includes water delivered in satisfaction of the the treaty with Mexico and water bypassed pursuant to Minute 242.



DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2000  
STATE OF ARIZONA

Revised from 2001 Report

05/13/2002

(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	3	4	4	9	13	16	16	16	9	10	6	5	111
LAKE MEAD NAT'L RECREATION, AZ. DIVERSIONS FROM LAKE MOHAVE (KATHERINE, WILLOW BEACH)	DIVERSION RETURNS CONSUMPTIVE USE	91	43	62	99	121	93	96	113	46	72	91	17	944
LOWER COLORADO RIVER DAMS PROJECT DIVERSION AT DAVIS DAM	DIVERSION RETURNS CONSUMPTIVE USE	3 0 3	3 0 3	1 0 1	1 0 1	2 0 2	2 0 2	2 0 2	2 0 2	2 0 2	2 0 2	3 0 3	3 0 3	26 0 26
BULLHEAD CITY PUMPED FROM WELLS	DIVERSION	539	497	573	628	807	832	803	842	750	675	553	508	8007
DIV. AT DAVIS DAM, MOHAVE CO. PARKS	DIVERSION RETURNS CONSUMPTIVE USE	5  544	5  502	5  578	8  636	17  824	19  851	18  821	15  857	13  763	7  682	6  559	4  512	122  8129
MOHAVE WATER CONSERVATION DIST. PUMPED FROM WELLS	DIVERSION RETURNS CONSUMPTIVE USE	44	42	48	45	58	78	67	83	58	62	53	56	694
BROOKE WATER, (WAS CONSOLIDATED W U) PUMPED FROM RIVER	DIVERSION RETURNS CONSUMPTIVE USE	27	26	27	34	42	43	47	45	39	32	28	26	416
MOHAVE VALLEY I.D.D. PUMPED FROM WELLS	DIVERSION RETURNS CONSUMPTIVE USE	1561	1631	2764	3580	4580	4582	5491	4029	2652	2893	2070	1599	37432
FORT MOJAVE INDIAN RESERVATION 14 PUMPS AND WELLS IN FLOOD PLAIN DELIVERED BY CITY OF NEEDLES	DIVERSION 2/3/4 DIVERSION RETURNS CONSUMPTIVE USE	1835 1 1836	2255 1 2256	4081 1 4082	5286 1 5287	7661 1 7662	10947 1 10948	10637 2 10639	7840 1 7841	5228 1 5229	5253 1 5254	2662 1 2663	2186 0 2186	65871 12 65883
GOLDEN SHORES WATER CONSERVATION DIST PUMPED FROM WELLS	DIVERSION 2/ RETURNS CONSUMPTIVE USE	29	23	40	43	53	64	70	67	53	44	31	30	547
HAVASU NATIONAL WILDLIFE REFUGE INLET-NW NE NW SEC 33 T9N R23E SSW G&SRM WELL 8N/23E-15Aa (TOPOCK MARSH)	DIVERSION 8/ DIVERSION 2/ RETURNS CONSUMPTIVE USE	55 11 0 66	198 10 0 208	2761 16 0 2777	4360 18 0 4378	6068 22 1080 5010	6990 26 1570 5446	5990 29 134 5885	4310 28 304 4034	2430 22 0 2452	3600 18 0 3618	1570 13 246 1337	1670 13 0 1683	40002 226 3334 36894
LAKE HAVASU I.D.D. (CITY) PUMPED FROM WELLS	DIVERSION RETURNS CONSUMPTIVE USE	867	803	850	1078	1384	1344	1927	1572	1642	1281	977	905	14630

DIVERIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW  
AND CONSUMPTIVE USE OF SUCH WATER  
CALENDAR YEAR 2000  
STATE OF ARIZONA

Revised from 2001 Report

05/13/2002

(ACRE-FEET)

WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
CENTRAL ARIZONA PROJECT PUMPED FROM LAKE HAVASU	DIVERSION	124569	145651	170654	174981	183679	71266	60169	56200	42757	54881	150239	189112	1424158
	RETURNS													
	CONSUMPTIVE USE													
TOWN OF PARKER PUMPED FROM RIVER	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
1 WELL-NW NW SEC 7 T9N R19W G&SRM	DIVERSION 10/	52	51	67	86	98	109	114	101	89	75	52	48	942
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	52	51	67	86	98	109	114	101	89	75	52	48	942
COLORADO RIVER INDIAN RESERVATION DIVERSION AT HEADGATE ROCK DAM	DIVERSION	23187	37818	52256	57840	74799	75761	77799	75490	52712	36469	27638	29318	621087
1 PUMP (B-04-22,S14 bbd) & TOWN OF PARKER	DIVERSION 4/10/	382	306	522	563	688	835	912	877	689	577	410	403	7164
	RETURNS	15899	17575	20347	19607	22725	20756	23094	23034	19831	19498	16417	17162	235945
	CONSUMPTIVE USE	7670	20549	32431	38796	52762	55840	55617	53333	33570	17548	11631	12559	392306
EHRENBURG IMPROVEMENT ASSN. 1 PUMP SW SEC 3 T3N R22W G&SRM	DIVERSION	26	27	26	37	44	47	47	60	40	34	30	23	441
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA VALLEY IRRIGATION DISTRICT 3 PUMPS SEC'S 20, 21 & 26T1N R23W	DIVERSION	1604	1285	2190	2365	2896	3510	3827	3680	2891	2422	1721	1694	30085
	RETURNS													
	CONSUMPTIVE USE													
CIBOLA NATIONAL WILDLIFE REFUGE 5 PUMPS IN SEC. 2 & 31 T1S, R23W	DIVERSION	790	315	1331	595	844	1596	1813	967	1529	2000	1843	944	14567
	RETURNS													
	CONSUMPTIVE USE													
IMPERIAL NATIONAL WILDLIFE REFUGE 2 WELLS SEC 13 T5S R22W G&SRM	DIVERSION 2/	480	384	655	707	865	1049	1147	1101	865	725	515	507	9000
	RETURNS													
	CONSUMPTIVE USE													
YUMA PROVING GROUND DIVERSION AT IMPERIAL DAM	DIVERSION	0	12	1	0	0	15	0	0	0	2	0	0	30
WELLS W, X, Y, Z	DIVERSION 2/	48	38	65	70	86	104	114	109	86	72	51	50	893
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	48	50	66	70	86	119	114	109	86	74	51	50	923
STURGES DIVERSION AT IMPERIAL DAM	DIVERSION	891	853	1320	1268	1623	1470	1228	546	521	717	579	451	11467
(WARREN ACT)	RETURNS	80	38	159	60	72	53	45	27	32	30	22	51	669
	CONSUMPTIVE USE	811	815	1161	1208	1551	1417	1183	519	489	687	557	400	10798
WELLTON MOHAWK I. & D. D. DIVERSION AT IMPERIAL DAM	DIVERSION	18565	27250	36561	43434	52452	47611	48492	34484	37214	27886	22934	21901	418784
	GGMC RETURN	1846	1373	4871	2304	2592	1933	1977	1934	2541	1297	996	2755	26419
	DOMES RETURN	964	1063	810	380	238	88	226	212	232	305	735	1085	6338
	MOD RETURN 9/	8870	7450	8270	8330	8860	8860	10820	9620	10020	9410	9300	10470	110280
	RETURNS, TOTAL	11680	9886	13951	11014	11690	10881	13023	11766	12793	11012	11031	14310	143037
	CONSUMPTIVE USE	6885	17364	22610	32420	40762	36730	35469	22718	24421	16874	11903	7591	275747

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WATER USER		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL 1/
CITY OF YUMA														
DIVERSION AT IMPERIAL DAM (AAC)	DIVERSION	2645	2078	2370	2562	3265	3790	3603	3448	3422	2737	2358	2456	34734
DIVERSION AT IMPERIAL DAM (GILA)	DIVERSION	41	41	52	42	50	61	70	64	36	31	23	32	543
	RETURNS	775	699	683	674	743	805	824	872	896	907	875	851	9604
	CONSUMPTIVE USE	1911	1420	1739	1930	2572	3046	2849	2640	2562	1861	1506	1637	25673
MARINE CORPS AIR STATION (YUMA)														
DIVERSION AT IMPERIAL DAM	DIVERSION	80	87	113	177	239	252	256	242	215	175	110	84	2030
	RETURNS													
	CONSUMPTIVE USE													
SOUTHERN PACIFIC COMPANY														
DIVERSION AT IMPERIAL DAM	DIVERSION	4	4	4	4	4	4	4	4	4	4	4	4	48
	RETURNS													
	CONSUMPTIVE USE													
YUMA MESA FRUIT GROWERS ASSN.														
DIVERSION AT IMPERIAL DAM	DIVERSION	1	1	1	1	1	1	1	1	1	1	1	1	12
	RETURNS													
	CONSUMPTIVE USE													
UNIVERSITY OF ARIZONA														
DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	80	49	47	40	123	106	185	99	41	88	54	38	950
	RETURNS													
	CONSUMPTIVE USE													
YUMA UNION HIGH SCHOOL														
DIVERSION AT IMPERIAL DAM	DIVERSION	6	0	9	22	34	25	30	30	27	11	9	8	211
	RETURNS													
	CONSUMPTIVE USE													
CAMILLE, ALEC. JR.														
DIVERSION AT IMPERIAL DAM (WARREN ACT)	DIVERSION	5	4	7	8	10	12	13	12	10	8	6	5	100
	RETURNS													
	CONSUMPTIVE USE													
DESERT LAWN MEMORIAL														
DIVERSION AT IMPERIAL DAM	DIVERSION	26	22	17	43	48	57	57	67	51	30	11	18	447
	RETURNS													
	CONSUMPTIVE USE													
NORTH GILA VALLEY IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM 7/	DIVERSION	2898	3471	4524	5247	6575	5802	4378	2209	3304	4325	3364	2868	48965
	RETURNS	1888	2065	2761	2782	3399	2906	2447	1414	1891	2414	2121	1817	27905
	CONSUMPTIVE USE	1010	1406	1763	2465	3176	2896	1931	795	1413	1911	1243	1051	21060
YUMA IRRIGATION DISTRICT														
DIVERSION AT IMPERIAL DAM 7/	DIVERSION	3925	3996	6597	7121	7941	6181	6183	4676	6386	6226	4212	4733	68177
PUMPED FROM PRIVATE WELLS	DIVERSION	28	138	203	401	284	82	177	117	335	317	132	91	2305
	RETURNS	1212	991	2295	1685	1833	1387	1364	1115	1726	1520	1019	1606	17753
	CONSUMPTIVE USE	2741	3143	4505	5837	6392	4876	4996	3678	4995	5023	3325	3218	52729
YUMA MESA I. D. D.														
DIVERSION AT IMPERIAL DAM 7/	DIVERSION	10445	10976	17139	19366	26951	28552	28833	26827	26257	17460	11660	9396	233862
	RETURNS	3899	3542	6306	4782	5095	5154	5332	5268	5303	3639	2606	3797	54723
	CONSUMPTIVE USE	6546	7434	10833	14584	21856	23398	23501	21559	20954	13821	9054	5599	179139

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UNIT "B" I. D. D.														
DIVERSION AT IMPERIAL DAM 77E/	DIVERSION	1683	1562	2307	2612	3411	3856	3605	3598	2728	1856	1425	1751	30394
	RETURNS	667	599	987	786	809	844	859	844	761	565	423	685	8829
	CONSUMPTIVE USE	1016	963	1320	1826	2602	3012	2746	2754	1967	1291	1002	1066	21565
YUMA COUNTY WATER USERS ASSOCIATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	17374	21262	29618	41936	34851	24028	23988	16271	25821	35690	31701	18933	321473
PUMPED FROM WELLS 7E/	DIVERSION	198	192	208	145	218	159	160	147	215	152	197	168	2159
	RETURNS	11152	9075	9365	11208	12034	10318	10770	9661	10434	15459	14942	12768	137186
	CONSUMPTIVE USE	6420	12379	20461	30873	23035	13869	13378	6757	15602	20383	16956	6333	186446
COCOPAHI INDIAN RESERVATION														
DIVERSION AT IMPERIAL DAM	DIVERSION	502	546	698	794	446	241	530	208	57	0	77	75	4174
PUMPED FROM WELLS 7E/	DIVERSION	6	5	5	3	3	2	4	2	0	0	0	1	31
PUMPED FROM WELLS, WEST COCOAPAHI	DIVERSION	332	350	561	674	738	825	777	964	829	768	356	596	7770
	RETURNS	2	-3	-7	5	7	5	7	4	1	0	2	1	24
	CONSUMPTIVE USE	838	904	1271	1466	1180	1063	1304	1170	885	768	431	671	11951
YUMA AREA OFFICE, USBR														
DIVERSION FROM WELL NO.8	DIVERSION 2/	82	74	82	80	82	80	82	82	80	82	80	82	968
	RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	
	CONSUMPTIVE USE	82	74	82	80	82	80	82	82	80	82	80	82	968
PUMPED FROM SOUTH GILA WELLS (DPOC'S)	RETURNS 5/	6409	6001	6429	6220	6369	6040	5979	5053	5361	5400	5275	4989	69525
OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY	DIVERSION 6/	2862	3050	4160	5181	5422	6241	6190	5938	4792	4086	3287	3158	54367
	RETURNS													
	CONSUMPTIVE USE													
ARIZONA TOTALS	11/													
	DIVERSION	218887	267439	345603	383595	429599	308768	299982	257585	226949	213857	273143	295972	3521378
	RETURNS	53663	50468	63276	58823	65856	60719	63878	59362	59029	60444	54979	58037	708534
	CONSUMPTIVE USE	165224	216971	282327	324772	363743	248049	236104	198223	167920	153413	218164	237935	2812844

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.

NOTE: Negative values exist in the RETURNS of some users. The calculations used to derive these values are correct, the negative values may be attributed to lag between irrigation application and measurement of return flow and/or gaging error.

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Footnotes:

- 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)	351004	
Pumped from wells	2305	
Surface returns from South Gila Valley (S.Gila Canal Wasteway)	2413 *	
Return flow North Gila Valley (6 drains & wasteways)	7497 *	
Return flow South Gila Valley wells (DPOC's)	69525	
Return flow Yuma Mesa Outlet Drain (B)	31994 *	
Return flow protective and regulatory pumping unit (C)	3500 *	
Estimated unmeasured groundwater return flow (D)	28151	
Return flow share of Gila Main Canal loss (E)	29621 *	
Subtotal return flow (F)	172702	169906 check from above
Consumptive Use (see note above)	180607	183403 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 riparian vegetaion (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 Cocopah Indian Reservation and in the YCWUA area, and by some of the surface drains in the YCWUA area. Efforts will be made to at least quantify these return flows within broad limits by respective water user entities in future years.
- 8/ Diversion adjusted for delivery to Mohave Valley I. D. D. (Chesney).
- 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.
- 10/ Includes 1 river pump, CRIT tribal usage delivered by the Town of Parker has been deducted.
- 11/ Totals are rounded to the nearest 1 AF.

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FORT MOJAVE INDIAN RESERVATION DELIVERED BY CITY OF NEEDLES PUMPED FROM RIVER AND WELLS	DIVERSION	3	2	4	4	5	6	6	6	5	4	3	3	50
	DIVERSION 4/ RETURNS	1247	1636	2107	4243	4696	2735	1859	2068	1313	776	573	0	23253
	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
	CONSUMPTIVE USE	1250	1638	2111	4247	4701	2741	1865	2074	1318	780	576	3	23303
CITY OF NEEDLES PUMPED FROM RIVER AND WELLS	DIVERSION	132	106	180	195	238	289	315	303	238	199	142	139	2475
	RETURNS 9/ CONSUMPTIVE USE	88	70	120	130	159	192	210	202	159	133	94	93	1649
	CONSUMPTIVE USE	44	35	60	65	79	96	105	101	79	67	47	46	826
CHEMEHUEVI INDIAN RESERVATION PUMPED FROM RIVER AND WELLS	DIVERSION 7/ RETURNS CONSUMPTIVE USE	11	26	26	17	63	30	80	26	15	34	6	9	342
METROPOLITAN WATER DISTRICT DIVERSION FROM LAKE HAVASU	DIVERSION	110395	103016	110734	107207	111766	106455	111351	111116	106475	110073	105295	109265	1303148
	RETURNS 2/ CONSUMPTIVE USE	290	255	282	256	220	249	247	280	248	274	261	272	3134
	CONSUMPTIVE USE	110105	102761	110452	106951	111546	106206	111104	110836	106227	109799	105034	108993	1300014
PARKER DAM AND GOVERNMENT CAMP DIVERSION AT PARKER DAM	DIVERSION	12	11	18	18	25	25	26	27	14	17	7	5	205
	RETURNS CONSUMPTIVE USE	1	0	0	1	1	1	1	1	1	1	1	1	10
	CONSUMPTIVE USE	11	11	18	17	24	24	25	26	13	16	6	4	195
COLORADO RIVER INDIAN RESERVATION PUMPED FROM 11 PUMPS AND WELLS	as rptd in 2000 rpt	1294	1791	2169	4503	4960	3044	2133	2195	1424	815	707	54	25089
4 PUMPS BIG RIVER	DIVERSION 4/ RETURNS	47	155	62	261	265	309	274	128	111	39	134	54	1839
	DIVERSION 4/6/ RETURNS	92	73	125	135	165	200	219	211	165	139	98	97	1719
	corrected CONSUMPTIVE USE	139	228	187	396	430	509	493	339	276	178	232	151	3558
CITY OF WINTERHAVEN 1 WELL SE NE NE SEC 27 T16S R22E SBM	DIVERSION 6/ RETURNS CONSUMPTIVE USE	7	5	9	10	12	14	16	15	12	10	7	7	124
PALO VERDE IRRIGATION DISTRICT DIVERSION FROM PALO VERDE DAM	DIVERSION	39860	61580	78700	99420	113500	115800	118500	108900	82470	67300	48320	48410	982760
	RETURNS CONSUMPTIVE USE	31536	32610	38061	37827	42536	41256	40073	48901	41219	43613	37515	35666	470813
	CONSUMPTIVE USE	8324	28970	40639	61593	70964	74544	78427	59999	41251	23687	10805	12744	511947
YUMA PROJECT, RES. DIV. INDIAN UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	1833	2034	3539	4533	3615	1470	2055	1196	2876	3235	2878	2005	31269
	RETURNS CONSUMPTIVE USE	4	-7	-21	20	36	20	19	14	23	50	39	22	219
	CONSUMPTIVE USE	1829	2041	3560	4513	3579	1450	2036	1182	2853	3185	2839	1983	31050
YUMA PROJECT, RES. DIV. BARD UNIT DIVERSION AT IMPERIAL DAM	DIVERSION	2474	3369	5029	6801	7063	5067	4103	3037	3237	4032	4009	2642	50863
	RETURNS CONSUMPTIVE USE	4	-8	-22	21	49	45	25	28	16	43	39	19	259
	CONSUMPTIVE USE	2470	3377	5051	6780	7014	5022	4078	3009	3221	3989	3970	2623	50604
RETURNS FROM YUMA PROJECT RESERVATION DIVISION RETURNS	RETURNS 3/ CONSUMPTIVE USE	3111	2753	3193	3271	4205	2777	3260	3543	3031	3315	3261	3213	38933
SUM YUMA PROJECTS, RES. DIV. USE	CONSUMPTIVE USE	1188	2665	5418	8022	6388	3695	2854	648	3043	3859	3548	1393	42721

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<b>IMPERIAL IRRIGATION DISTRICT</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	159534	179174	283818	352066	362321	332461	352379	305213	268065	241949	179293	145911	3162184
	RETURNS	779	-1311	-3769	3147	7457	8773	6690	7896	4010	7470	5103	3169	49414
	CONSUMPTIVE USE	158755	180485	287587	348919	354864	323688	345689	297317	264055	234479	174190	142742	3112770
<b>COACHELLA VALLEY WATER DISTRICT</b>														
DIVERSION AT IMPERIAL DAM	DIVERSION	18281	17839	24019	34297	40498	39824	37891	38578	29134	26426	24609	17351	348747
	RETURNS	89	-131	-319	307	833	1051	719	998	436	816	700	377	5876
	CONSUMPTIVE USE	18192	17970	24338	33990	39665	38773	37172	37580	28698	25610	23909	16974	342871
<b>OTHER USERS PUMPING FROM COLORADO RIVER AND WELLS IN FLOOD PLAIN DAVIS DAM TO INTERNATIONAL BOUNDARY</b>														
	DIVERSION 5/	1121	862	1437	1694	1987	2460	2603	2502	1954	1717	1142	1082	20561
	RETURNS													
	CONSUMPTIVE USE													
<b>CALIFORNIA TOTALS</b>														
	10/													
corrected	DIVERSION	335049	369888	509806	610900	646219	607144	631677	573326	496084	455950	366516	326980	5929539
	RETURNS	35902	34231	37525	44980	55496	54364	51244	61863	49143	55715	47013	42832	570307
corrected	CONSUMPTIVE USE	299147	335657	472281	565920	590723	552780	580433	511463	446941	400235	319502	284148	5359232
	WATER MANAGEMENT													
	ACCT. CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	0
corrected	TOTAL USE	299147	335657	472281	565920	590723	552780	580433	511463	446941	400235	319502	284148	5359232
<b>WATER CONSERVATION PROGRAM</b>														
IMPERIAL I. D./METROPOLITAN W. D. CONSERVED WATER 8/		9122	9122	9122	9122	9122	9122	9122	9122	9122	9122	9122	9118	109460

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.

NOTE: Negative values exist in the RETURNS of some users. The calculations used to derive these values are correct, the negative values may be attributed to lag between irrigation application and measurement of return flow and/or gaging error.

Footnotes:

- 1/ No surface returns unless shown.
- 2/ Estimate based on measured seepage returning from regulatory reservoirs less an estimated amount of phreatophyte use.
- 3/ Unassigned returns 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/ IID/MWD Water Conservation Program Phase 1 conserved water made available by II for diversion in current year by MWD.
- 9/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California).
- 10/ Totals are rounded to the nearest 1 AF.