

AZ

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

AZ

AZ 1/ No surface returns unless shown.

AZ 2/ Reported annual total only, distributed monthly according to nearby users.

AZ 3/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.

AZ 4/ Calculated using monthly power records.

AZ 5/ Pumped from underground and credited as return flow to Yuma Mesa Division but unassigned to districts as returns.

AZ Includes quantities of drainage from Yuma Mesa, Unit B, as well as from South Gila Valley.

AZ 6/ Details on Arizona Supplemental Sheets.

AZ 7/ Summation for the Yuma Mesa Division, consisting of the North Gila Valley Irrigation District, the Yuma Irrigation District, and the Yuma Mesa
AZ Irrigation & Drainage District is as follows:

AZ Item	AZ Annual Totals (Acre-Feet)	
AZ ----	AZ -----	
AZ Diversion at Imperial Dam A/	94541	
AZ Pumped from wells	157	
AZ Surface returns from South Gila Valley (S.Gila Cal Wasteway)	758 *	
AZ Return flow North Gila Valley (6 drains & wasteways)	1662 *	
AZ Return flow South Gila Valley wells (DPOC's) less Unmeasured Return	16162	
AZ Return flow Yuma Mesa Outlet Drain B/	5992.5 *	
AZ Return flow protective and regulatory pumping unit C/	11686.7 *	
AZ Estimated unmeasured groundwater return flow D/	10047.7	
AZ Return flow share of Gila Main Canal loss E/	4703 *	
AZ Subtotal return flow F/	51011.8	61877 check from above
AZ Consumptive Use (see note above)	43686.2	32821 check from above
AZ (A) Total for the North Gila Valley, The Yuma Irrigation and the Yuma Mesa Irrigation and Drainage Districts, and 'Unit B'.		
AZ (B) Estimated at 85 percent of the Yuma Mesa Outlet Drain with balance credited to 'Unit B'.		
AZ (C) Estimated at 85 percent of Protective and Regulatory Pumping Unit with balance credited to 'Unit B'.		
AZ (D) Estimated at 38 percent of the North Gila Valley Diversion at Imperial Dam plus 14 percent of Yuma Irrigation District diversion at AZ Imperial Dam. (Based on analysis of the USGS Report 83-4220 entitled 'A Method for Estimating Ground-Water Return Flow to the AZ Lower Colorado River in the Yuma Area')		
AZ (E) Diversion*mileage weighted share of Gila Main Canal loss less canal surface evaporation (1397 af/yr) and phreatophytes (2154 af/yr).		
AZ (F) Additional unmeasured amounts of return flows from the Yuma Mesa Irrigation and Drainage District, 'Unit B', the Cocopah Indian AZ Reservation, and the Yuma County Water Users Association (YCWUA) are utilized to meet consumptive uses in the United States and in AZ partial satisfaction of the Mexican Treaty obligation. Some of these underground flows are recovered by pumping from wells on the AZ 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 AZ quantify these return flows within broad limits by respective water user entities in future years.		
AZ 8/ Diversion adjusted for delivery to Mohave Valley I. D. D. (Chesney) and Farm Ditch (FMIR).		
AZ 9/ Main Outlet Drain return flow credit is measured flow at Station 0+00 and includes both Colorado River and Gila River water. Reclamation AZ is working to develop a method to separate the different sources of return flow and will apply that methodology when available.		
AZ 10/ Includes 1 river pump, CRIT tribal usage delivered by the Town of Parker has been deducted.		

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CA YUMA PROJECT, RES. DIV. BARD UNIT															
CA DIVERSION AT IMPERIAL DAM	DIVERSION	2303	1926	4893	6200	2198	0	0	0	0	0	0	0	0	17520
CA	MEAS. RETURNS	47	19	54	0	0	0	0	0	0	0	0	0	0	120
CA	UNMEAS. RETURNS	385	322	817	1035	367	0	0	0	0	0	0	0	0	2926
CA	CONSUMPTIVE USE	1871	1585	4022	5165	1831	0	0	0	0	0	0	0	0	14474
CA RETURNS FROM YUMA PROJECT															
CA RESERVATION DIVISION RETURNS	MEAS. RETURNS 3/	2520	2214	2723	2986	1029	0	0	0	0	0	0	0	0	11472
CA SUM YUMA PROJECTS, RES. DIV. USE	CONSUMPTIVE USE	1736	1615	5364	7329	2628	0	0	0	0	0	0	0	0	18672
CA															
CA IMPERIAL IRRIGATION DISTRICT															
CA DIVERSION AT IMPERIAL DAM	DIVERSION	149950	138471	291755	311481	110142	0	0	0	0	0	0	0	0	1001799
CA	MEAS. RETURNS	8824	3742	9432	3869	3071	0	0	0	0	0	0	0	0	28938
CA	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	CONSUMPTIVE USE	141126	134729	282323	307612	107071	0	0	0	0	0	0	0	0	972861
CA WATER TRANSFERRED TO SDCWA	DIVERSION	6377	2255	3564	2201	781	0	0	0	0	0	0	0	0	15178
CA	MEAS. RETURNS	375	61	115	69	25	0	0	0	0	0	0	0	0	551
CA	CA CONSUMPTIVE USE	6002	2194	3449	2132	757	0	0	0	0	0	0	0	0	14534
CA COACHELLA VALLEY WATER DISTRICT															
CA DIVERSION AT IMPERIAL DAM	DIVERSION	16756	14944	23931	29252	11234	0	0	0	0	0	0	0	0	96117
CA	MEAS. RETURNS	986	404	774	364	313	0	0	0	0	0	0	0	0	2841
CA	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	CONSUMPTIVE USE	15770	14540	23157	28888	10921	0	0	0	0	0	0	0	0	93276
CA OTHER USERS PUMPING FROM COLORADO															
CA RIVER AND WELLS IN FLOOD PLAIN	DIVERSION 5/														0
CA DAVIS DAM TO INTERNATIONAL BOUNDARY	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA CALIFORNIA TOTALS															
CA	DIVERSION	306080	279908	492838	529065	192182	0	0	0	0	0	0	0	0	1800073
CA	MEAS. RETURNS	41981	35291	46084.5	42521	17516.5	0	0	0	0	0	0	0	0	183394
CA	UNMEAS. RETURNS	3422	3272	6533	7663	2640	0	0	0	0	0	0	0	0	23530
CA	CONSUMPTIVE USE	260677	241345	440221	478881	172026	0	0	0	0	0	0	0	0	1593149
CA	WATER MANAGEMENT														
CA	ACCT. CREDITS	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CA	TOTAL USE	260677	241345	440221	478881	172026	0	0	0	0	0	0	0	0	1593149

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CA 1/ No surface returns unless shown.

CA 2/ Estimate based on measured seepage returning from regulatory reservoirs less an estimated amount of phreatophyte use.

CA 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.

CA 4/ Calculated using monthly power records.

CA 5/ Details on California Supplemental Sheets.

CA 6/ Reported annual total only, distributed monthly according to nearby users.

CA 7/ Calculated by assuming an annual diversion of 6 ac-ft per irrigated acre.

CA 8/ Needles total return estimated as 40% of diversion plus measured returns (unpublished report, Colorado River Board of California).

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