

AZ NORTH GILA VALLEY IRRIGATION DISTRICT															
AZ	DIVERSION AT IMPERIAL DAM 7/	DIVERSION	2595	3091	5314	6052	5602	4041	4291	3257	3699	308	0	0	38250
AZ		MEAS. RETURNS	1871	1920	2695	2905	2677	2077	2197	1985	2038	186	0	0	20551
AZ		UNMEAS. RETURNS	356	423	728	829	767	554	588	446	507	42	0	0	5240
AZ		CONSUMPTIVE USE	368	748	1891	2318	2158	1410	1506	826	1154	80	0	0	12459
AZ YUMA IRRIGATION DISTRICT															
AZ	DIVERSION AT IMPERIAL DAM 7/	DIVERSION	3320	4937	7220	8753	8150	6432	6838	5554	5526	428	0	0	57158
AZ	PUMPED FROM PRIVATE WELLS	DIVERSION	11	21	165	188	172	27	307	74	0	0	0	0	965
AZ		MEAS. RETURNS	810	1292	1675	1636	1590	1439	1598	1577	994	85	0	0	12696
AZ		UNMEAS. RETURNS	710	1056	1573	1904	1773	1376	1522	1199	1177	91	0	0	12381
AZ		CONSUMPTIVE USE	1811	2610	4137	5401	4959	3644	4025	2852	3355	252	0	0	33046
AZ YUMA MESA I. D. D.															
AZ	DIVERSION AT IMPERIAL DAM 7/	DIVERSION	8291	10643	14347	17545	20401	23726	26205	22876	17140	1626	0	0	162800
AZ		MEAS. RETURNS	6921	6810	5101	1872	7789	8764	7942	7503	2790	635	0	0	56127
AZ		UNMEAS. RETURNS	1327	1703	2296	2807	3264	3796	4193	3660	2742	260	0	0	26048
AZ		CONSUMPTIVE USE	43	2130	6950	12866	9348	11166	14070	11713	11608	731	0	0	80625
AZ UNIT "B" I. D. D.															
AZ	DIVERSION AT IMPERIAL DAM 7/7E/	DIVERSION	1278	1374	1913	2532	2664	2902	3726	3247	2376	192	0	0	22204
AZ		MEAS. RETURNS	1213	1159	862	314	1350	1485	1354	1241	492	112	0	0	9582
AZ		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ		CONSUMPTIVE USE	65	215	1051	2218	1314	1417	2372	2006	1884	80	0	0	12622
AZ FORT YUMA INDIAN RESERVATION															
AZ DIVERSIONS FOR YUMA EAST WETLANDS															
AZ	RANCH "5" LANDS, YUMA ISLAND, AZ (180 a)	DIVERSION	50	87	139	147	82	35	6	31	0	0	0	0	578
AZ		MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ		UNMEAS. RETURNS	18	31	49	51	29	12	2	11	0	0	0	0	202
AZ		CONSUMPTIVE USE	33	57	91	96	53	23	4	20	0	0	0	0	376
AZ YUMA COUNTY WATER USERS ASSOCIATION															
AZ	DIVERSION AT IMPERIAL DAM	DIVERSION	19080	24757	41047	50114	41115	20998	26582	21216	21955	2715	0	0	269579
AZ	PUMPED FROM WELLS 7E/	DIVERSION	0	0	0	0	191	133	117	120	0	0	0	0	561
AZ		MEAS. RETURNS	6871	6911	6969	7053	7673	5342	5753	5672	7485	557	0	0	60286
AZ		UNMEAS. RETURNS	401	520	862	1052	867	444	561	448	461	57	0	0	5673
AZ		CONSUMPTIVE USE	11808	17326	33216	42009	32766	15345	20385	15216	14009	2101	0	0	204181
AZ COCOPA INDIAN RESERVATION															
AZ	DIVERSION AT IMPERIAL DAM	DIVERSION	30	186	281	159	208	213	536	347	905	34	0	0	2899
AZ	PUMPED FROM WELLS 7E/	DIVERSION	0	0	0	0	1	1	2	2	0	0	0	0	6
AZ	PUMPED FROM WELLS, WEST COCOPAH	DIVERSION	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ		MEAS. RETURNS	1	2	2	3	2	3	9	13	4	0	0	0	39
AZ		UNMEAS. RETURNS	0	0	0	0	0	0	1	1	0	0	0	0	2
AZ		CONSUMPTIVE USE	29	184	279	156	207	211	528	335	901	34	0	0	2864
AZ YUMA AREA OFFICE, USBR															
AZ	DIVERSION FROM WELL NO.8	DIVERSION 2/													0
AZ		MEAS. RETURNS													0
AZ		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ		CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ															
AZ	PUMPED FROM SOUTH GILA WELLS (DPOC'S)	MEAS. RETURNS 5/	0	5708	6562	6212	5984	6078	6307	5916	0	0	0	0	42767
AZ		UNMEAS. ABOVE	0	-5708	-6562	-6212	-5984	-6078	-6307	-5916	0	0	0	0	-42767
AZ		RETURNS CREDIT	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ															
AZ OTHER USERS PUMPING FROM COLORADO															
AZ	RIVER AND WELLS IN FLOOD PLAIN DAVIS	DIVERSION 6/													0
AZ	DAM TO INTERNATIONAL BOUNDARY	MEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ		UNMEAS. RETURNS	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ		CONSUMPTIVE USE	0	0	0	0	0	0	0	0	0	0	0	0	0
AZ ARIZONA TOTALS															
AZ		DIVERSION	247816	275202	362682	389538	383106	323975	294489	259744	254387	19769	0	0	2810707

AZ	MEAS. RETURNS	44125	49670	53034	50373	58514	55400	56033	59134	46547	3815	0	0	476645
AZ	UNMEAS. RETURNS	5668	5136	13240	17495	16620	17919	17299	13916	12128	773	0	0	120194
AZ	CONSUMPTIVE USE	198023	220396	296408	321670	307972	250656	221157	186694	195712	15181	0	0	2213868

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/	258208	
AZ Pumped from wells	965	
AZ Surface returns from South Gila Valley (S.Gila Cal Wasteway)	1827 *	
AZ Return flow North Gila Valley (6 drains & wasteways)	4552 *	
AZ Return flow South Gila Valley wells (DPOC's) less Unmeasured Return	43669	
AZ Return flow Yuma Mesa Outlet Drain B/	21591.7 *	
AZ Return flow protective and regulatory pumping unit C/	32374 *	
AZ Estimated unmeasured groundwater return flow D/	22537.1	
AZ Return flow share of Gila Main Canal loss E/	11499 *	
AZ Subtotal return flow F/	138050	133043 check from above
AZ Consumptive Use (see note above)	121123	126130 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.		

AZ

CA
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DIVERSIONS FROM MAINSTREAM-AVAILABLE RETURN FLOW
AND CONSUMPTIVE USE OF SUCH WATER
CALENDAR YEAR 2008
STATE OF CALIFORNIA

10/03/08

(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													0
PUMPED FROM RIVER AND WELLS													12507
	312	924	1599	2131	1993	1177	2017	1146	1164	44	0	0	
	0	0	0	0	0	0	0	0	0	0	0	0	0
	144	427	739	985	921	544	932	530	538	20	0	0	5780
	168	497	860	1146	1072	633	1085	616	626	24	0	0	6727
CITY OF NEEDLES													
4 WELLS NW SW SEC 29 T9N R23E SBM													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	0	0
CHEMEHUEVI INDIAN RESERVATION													
PUMPED FROM RIVER AND WELLS													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	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
METROPOLITAN WATER DISTRICT													
DIVERSION FROM LAKE HAVASU	81540	67129	46208	75832	96563	93602	87118	82236	82325	3990	0	0	716543
	271	240	262	250	256	245	245	250	250	31	0	0	2300
	0	0	0	0	0	0	0	0	0	0	0	0	0
	81269	66889	45946	75582	96307	93357	86873	81986	82075	3959	0	0	714243
PARKER DAM AND GOVERNMENT CAMP													
DIVERSION AT PARKER DAM													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	0	0
COLORADO RIVER INDIAN RESERVATION													
PUMPED FROM 11 PUMPS AND WELLS													0
4 PUMPS BIG RIVER													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	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
CITY OF WINTERHAVEN													
1 WELL SE NE NE SEC 27 T16S R22E SBM													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	0
	0	0	0	0	0	0	0	0	0	0	0	0	0
PALO VERDE IRRIGATION DISTRICT													
DIVERSION FROM PALO VERDE DAM	31530	54740	76260	88090	93760	103600	106000	99350	83030	4474	0	0	740834
	28089	30761	36049	40428	42364	42669	43605	42793	42710	2732	0	0	352200
	1766	3065	4271	4933	5251	5802	5936	5564	4650	251	0	0	41489
	1675	20914	35940	42729	46145	55129	56459	50993	35670	1491	0	0	347145
YUMA PROJECT, RES. DIV. INDIAN UNIT													
DIVERSION AT IMPERIAL DAM	2507	3715	6377	8079	5665	1358	2121	2915	2442	266	0	0	35445
	46	29	41	113	53	19	31	92	0	0	0	0	424
	419	620	1065	1349	946	227	354	487	408	44	0	0	5919
	2042	3066	5271	6617	4666	1112	1736	2336	2034	222	0	0	29102

DELIVERIES TO MEXICO IN SATISFACTION OF PART III OF 1944 TREATY AND WATER PASSING TO MEXICO IN EXCESS OF TREATY REQUIREMENTS CALENDAR YEAR 2008													
10/03/08													(ACRE-FEET)
WATER USER	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
DELIVERY AT NORTH INTERNATIONAL BOUNDARY 1/	119679	141982	193619	194235	99772	103296	109782	98098	90018	4171	0	0	1154652
DELIVERY AT THE LIMITROPHE	644	823	639	357	728	406	398	379	0	0	0	0	
DELIVERY AT TIJUANA	0	403	931	683	696	686	0	0	0	0	0	0	
DELIVERY AT SOUTH INT. LAND BOUNDARY	11471	11340	9515	6603	12058	10909	11460	10051	9053	689	0	0	93149
TOTAL DELIVERY IN SATISFACTION OF TREATY TO MEXICO AS SCHEDULED	131794	154548	204704	201931	113316	115297	121652	108585	99071	4860	0	0	1255758
119428	154380	204112	198669	110741	115575	119428	93370	89307	73739	102966	118286	1500001	
TO MEXICO IN EXCESS OF SCHEDULE 2/	12366	168	592	3262	2575	-278	2224	15215	9708	-42	0	0	45790
WATER BYPASSED PURSUANT TO MINUTE 242	10178	9452	9932	9619	9991	9729	7427	6927	10160	742	0	0	84157

1/ Includes wasteway deliveries to the River limitrophe in satisfaction of treaty.
2/ 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.

RELEASES OF WATER THROUGH REGULATORY STRUCTURES CONTROLLED BY THE UNITED STATES CALENDAR YEAR 2008													
10/03/08													(THOUSAND ACRE-FEET)
STRUCTURE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL
GLEN CANYON DAM	813	612	850	691	807	810	887	914	0	0	0	0	6385
HOOVER DAM	672	659	1025	1159	1113	949	876	804	0	0	0	0	7257
DAVIS DAM	559	740	1016	1164	1054	989	958	865	0	0	0	0	7344
PARKER DAM	298	474	749	851	697	712	752	659	0	0	0	0	5191
HEADGATE ROCK DAM 1/	280	435	688	782	634	640	671	584	-60	-3	0	0	4651
PALO VERDE DAM	267	361	583	694	519	500	562	473	0	0	0	0	3959
IMPERIAL DAM 2/	45	23	28	26	32	23	37	69	0	0	0	0	285
DIVERSION TO MITTRY LAKE FROM GILA MAIN CAL	0	0	1	1	1	1	1	1	0	0	0	0	6
SUM IMPERIAL DAM + DIVERSION TO MITTRY LAKE	46	24	29	27	33	24	38	70	0	0	0	0	291
LAGUNA DAM	43	26	29	26	32	24	33	61	0	0	0	0	273

1/ Computed as Parker Dam release less diversion at Headgate Rock Dam.
2/ Flow below Imperial Dam, does not include diversions through AAC and GGMC

