



U.S. Department of the Interior
U.S. Geological Survey

Arizona Water Science Center Yuma Field Office

Lower Colorado River Diversions and Returns

Provisional Data for:
November 2009

On the Web at: <http://az.water.usgs.gov/pubs/yuma.htm>

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Diversions and Return Flows - Provisional Data

Mean Daily Discharge in Cubic feet per second , except as noted by #.

	Colorado River at Lees Ferry	Paria River at Lees Ferry	Colorado River near Grand Canyon	Colorado River below Hoover Dam	Colorado River below Davis Dam	Topock Marsh Inlet near Needles, Ca	Topock Marsh Outlet near Needles, Ca	Colorado River Aquaduct near Parker Dam	Bill Williams River below Alamo Dam	Bill Williams River near Parker Dam	CAP Canal at Havasu Pumping Plant
Day	09380000	09382000	09402500	*09421500	09423000	09423550	*09423650	#09424150	09426000	09426620	#09426650
1	11500	10	10800	8710	12300	22	0	3610	1.4	10	4880
2	12100	10	12000	11300	12600	24	0	3570	39	10	3310
3	12200	9.4	12500	11100	12800	26	0	3580	32	10	4720
4	12100	9.5	12500	9530	12700	25	0	3650	32	9.8	4890
5	12200	12	12500	12900	11000	11	0	3520	33	9.8	4890
6	12300	12	12500	13100	11000	12	0	3600	41	9.6	4890
7	11400	13	12700	10200	11500	16	0	3580	1.6	9.3	4890
8	11600	13	11800	13000	11500	16	0	3590	1.7	9.7	4880
9	12200	13	12000	13400	11700	17	0	3570	32	9.9	4830
10	12100	13	12600	8800	11300	14	0	3620	32	9.9	4630
11	11900	14	12400	7260	10700	9.1	0	3600	32	9.8	4890
12	11800	14	12300	8610	9990	3.4	0	3660	33	9.5	4880
13	12000	15	12300	8800	9960	3.2	0	3590	32	9.8	4880
14	11300	15	12500	9520	9980	3.3	0	3470	1.8	9.7	4880
15	11700	18	11700	10500	9930	2.9	0	3620	1.9	9.7	4880
16	12200	14	12100	11100	10500	7.5	0	3440	32	9.7	4680
17	12100	13	12500	11000	10500	7.5	0	3570	32	9.7	4880
18	12000	15	12500	11700	10500	7.5	0	3570	32	9.7	4830
19	11900	15	12400	12100	10600	8.3	0	3620	31	9.6	4820
20	12000	15	12300	10400	10600	9.2	0	3610	32	9.7	4870
21	11000	15	12400	8380	11500	19	0	3600	2.4	9.7	4870
22	11500	15	11400	9600	10900	15	0	3600	2.4	11	4870
23	11900	14	11800	10600	10600	9.2	0	3540	32	11	4870
24	11800	14	12200	14900	11300	10	0	3520	32	11	4820
25	11900	12	12100	14600	11600	20	0	3540	32	12	4820
26	11400	12	12200	10900	11300	15	0	3530	32	12	4870
27	11700	13	11700	9610	10000	11	0	3530	33	12	4870
28	11000	13	12100	11900	13800	15	0	3500	2.4	12	4870
29	11200	14	11300	9470	9980	29	0	3570	2.3	11	4870
30	11700	16	11600	13800	7680	4	0	3530	32	12	4880
TOTAL	353700	400.9	363700	326790	330320	392.1	0	107100	707.9	308.6	143910
MEAN	11790	13	12123	10893	11011	13	0	24	10		
ACFT	701564	795	721399	648188	655190	778	0	1404	612		

*Data furnished by other agencies

#Data furnished by other agencies in acre-feet

UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Diversions and Return Flows - Provisional Data

Mean Daily Discharge in Cubic feet per second , except as noted by #.

	Colorado River below Parker Dam	Colorado River Indian Reservation Main Canal	Gardner Lateral Spill near Parker AZ	Upper Main Drain near Poston AZ	CRIR Poston Wasteway near Poston AZ	CRIR Poston Wasteway Spill Gates	Palo Verde Canal near Blythe CA	Palo Verde Drain near Blythe CA	Lower Main Drain near Blythe CA	Colorado River below Palo Verde Dam	PVID Olive Lake Drain near Blythe CA
Day	09427520	09428500	09428505	09428508	09428510	*09428511	09429000	09429030	09429060	09429100	*09429130
1	7800	519	2.2	72	119	47	532	17	144	5270	3
2	7680	682	1.4	66	126	60	742	17	148	6470	3
3	7220	669	5.3	65	110	45	764	17	145	5900	3
4	6640	694	4.1	63	147	84	861	17	147	5480	3
5	4130	693	2.3	65	128	63	763	17	139	4950	3
6	6880	684	4.8	64	95	31	861	18	140	3590	3
7	6920	588	7.3	67	113	46	790	18	144	5130	3
8	7410	450	1.5	68	109	41	557	17	145	5820	3
9	6410	543	2	54	118	64	544	17	146	6030	3
10	6400	542	2	57	125	68	567	17	142	5240	3
11	5910	473	2.1	63	126	63	634	17	143	5340	3
12	4060	466	6.3	53	126	73	686	17	137	4890	3
13	5040	393	8.7	52	90	38	668	17	138	3610	3
14	6860	338	11	50	60	10	560	17	136	4530	3
15	5460	334	3.5	53	133	80	435	17	137	5580	3
16	5840	327	0.01	56	130	74	494	17	136	4760	3
17	5870	368	7.7	50	79	29	545	17	140	5020	3
18	6340	413	6.2	53	83	30	630	17	139	4960	3
19	5900	500	12	56	81	25	702	17	138	4990	3
20	6840	428	18	61	115	54	605	17	138	5450	3
21	7350	372	7.8	55	85	30	619	17	138	5640	3
22	7040	464	7.4	53	136	83	455	17	141	6220	3
23	5630	373	13	52	103	51	559	17	136	5700	3
24	5830	395	15	49	75	26	620	17	136	4820	3
25	5670	388	13	56	106	50	663	17	138	4940	3
26	4830	388	20	65	239	174	363	17	157	4760	3
27	4890	388	15	60	140	80	525	17	164	4530	3
28	4430	423	5.5	46	117	71	611	17	144	4230	3
29	5330	349	9.3	50	100	50	515	17	140	4110	3
30	5320	422	4	54	103	49	561	17	139	4600	3
TOTAL	181930	14066	218.41	1728	3417	1689	18431	512	4255	152560	90
MEAN	6064	469	7	58	114	56	614	17	142	5085	3
ACFT	360858	27900	433	3427	6778	3350	36558	1016	8440	302603	179

*Data furnished by other agencies

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UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Diversions and Return Flows - Provisional Data

Mean Daily Discharge in Cubic feet per second , except as noted by #.

	PVID F-Canal Spill near Blythe CA	PVID D-10-11-2 Spill near Blythe CA	PVID D-10-11-5 Spill near Blythe Ca	PVID D-23 Spill near Blythe CA	PVID D-23-1 Spill near Blythe CA	PVID C-Canal Spill near Blythe Ca	PVID C-28 Upper Spill near Blythe Ca	PVID Outfall Drain near Blythe CA	PVID C-28 Lower Spill near Blythe Ca	Colorado River above Imperial Dam	Colorado River below Imperial Dam
Day	*09429155	*09429160	*09429170	*09429180	*09429190	*09429200	*09429210	*09429220	*09429230	09429490	09429500
1	55	11	1.5	28	4.5	46	0	446	26	5430	762
2	35	1.3	0.36	33	6.5	40	0.63	413	6.8	6100	558
3	26	1.7	0.36	27	8.2	38	0	391	4.2	6130	270
4	33	2.7	2.6	30	5.1	47	0	393	2.4	6390	270
5	21	2.4	0.73	23	5.4	52	0	401	2.2	6360	692
6	22	1.3	0.36	12	6	42	0	397	9.2	6120	433
7	25	0.34	5.8	36	8.5	36	0	413	7.5	5650	332
8	25	0.34	4.7	29	7.2	56	0	452	28	4980	273
9	26	2	12	31	7.9	38	0	397	9.7	5730	272
10	19	1	7.7	38	7.4	26	0	370	16	6450	900
11	32	1	5.1	40	7	28	0	381	22	6550	627
12	18	1	2.6	21	5.6	20	0	391	16	6200	547
13	33	4	2.6	5.3	6.5	24	0	393	25	5860	624
14	49	3	7.3	23	6	40	0	401	26	5590	645
15	47	4.4	13	35	7.6	40	0	417	26	4910	633
16	23	4	3.6	33	7	23	0	419	20	5620	270
17	38	9.7	2.2	19	7.4	29	0	429	26	6210	270
18	25	4	2.2	20	6.2	30	0	427	26	6110	270
19	21	2.7	5.5	25	7	36	0	399	13	6110	270
20	30	11	2.2	31	6.2	49	10	375	0.3	5860	270
21	19	8.4	2.2	40	5.8	29	0	385	23	5640	270
22	28	2	9.5	26	6.7	51	0	401	26	5530	342
23	22	4.2	5.1	21	8.7	24	0	415	25	6470	270
24	18	0	3.6	13	7.4	39	0	391	18	6670	270
25	31	17	2.9	14	7.2	61	0	364	7.5	6200	270
26	19	2.7	8.8	33	9	58	0	370	28	5330	270
27	22	1.7	3.3	28	7.9	36	0	356	26	5780	270
28	18	2.7	7.3	34	7	31	0	373	26	5550	270
29	38	3.7	7.3	32	8.7	45	0	385	26	5270	363
30	34	6.4	6.6	36	7	42	0	377	23	5040	411
TOTAL	852	117.68	139.01	816.3	208.6	1156	10.63	11922	540.8	175840	12194
MEAN	28	4	5	27	7	39	0	397	18	5861	406
ACFT	1690	233	276	1619	414	2293	21	23647	1073	348779	24187

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UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Diversions and Return Flows - Provisional Data

Mean Daily Discharge in Cubic feet per second , except as noted by #.

	Colorado River below Laguna Dam	Gila River below Painted Rock Dam	Gila River near Dateland Arizona	Gila River near Dome AZ	Colorado River below Yuma Main Canal WW	Colorado River at Northerly Boundary	Mittry Lake Diversion at Imperial Dam	Gila Gravity Main Canal at Imperial Dam	North Gila Main Canal Turnout #1 near Yuma Az	North Gila Main Canal Turnout #2 near Yuma AZ	Wellton Mohawk Canal near Yuma AZ
Day	09429600	09519800	09520280	09520500	09521100	*09522000	*09522400	09522500	09522600	09522650	09522700
1	528	0	0	15	932	1210	6	452	37	7.7	310
2	819	0	0	16	969	1240	6	1140	50	14	453
3	376	0	0	12	873	1150	5.9	1040	56	6.1	480
4	306	0	0	14	916	1170	5.9	1130	66	13	566
5	502	0	0	33	1070	1370	5.9	686	64	15	310
6	461	0	0	11	1250	1520	5.9	696	48	11	433
7	437	0	0	15	951	1260	5.9	609	57	10	415
8	302	0	0	13	917	1180	5.9	364	37	7.8	220
9	298	0	0	11	929	1210	5.9	924	53	10	328
10	338	0	0	12	978	1190	6.9	789	38	8.8	301
11	664	0	0	9.6	1340	1500	6.9	999	45	13	441
12	290	0	0	9.6	1300	1530	6.9	778	70	8.3	387
13	290	0	0	11	1150	1410	6.9	478	55	11	305
14	290	0	0	13	1220	1460	6.9	356	50	4.5	217
15	290	0	0	13	1190	1440	6.9	362	43	5.5	147
16	290	0	0	12	940	1600	6.9	897	55	5.7	355
17	312	0	0	12	485	1610	10	1090	55	9.2	437
18	375	0	0	14	505	1600	10	943	42	19	366
19	319	0	0	13	453	1600	10	820	58	16	287
20	293	0	0	13	402	1590	10	649	75	6.5	378
21	287	0	0	15	416	1830	10	496	66	7.7	347
22	289	0	0	15	547	1830	10	497	58	13	284
23	313	0	0	13	526	1820	10	1140	62	21	384
24	283	0	0	13	395	1840	9.6	1130	45	21	420
25	272	0	0	12	424	1860	9.6	996	67	13	335
26	282	0	0	13	671	1840	9.6	777	49	3.7	345
27	284	0	0	17	498	1840	9.6	695	75	11	445
28	285	0	0	14	432	1840	9.6	648	86	8.1	449
29	289	0	0	16	540	1830	9.6	434	41	16	303
30	379	0	0	14	608	1850	9.6	4.7	4.7	0	10
TOTAL	10743	0	0	414.2	23827	46220	238.8	22019.7	1607.7	316.6	10458
MEAN	358	0	0	14	794	1541	8	734	54	11	349
ACFT	21309	0	0	822	47261	91677	474	43676	3189	628	20743

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UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Diversions and Return Flows - Provisional Data

Mean Daily Discharge in Cubic feet per second , except as noted by #.

	South Gila Main Canal near Yuma AZ	All American Canal near Imperial Dam	Reservation Main Canal near Yuma AZ	Titsink Canal near Yuma AZ	Yaqui Canal near Yuma AZ	Pontiac Canal near Yuma AZ	Yuma Main Canal at Siphon Drop Powerplant	Diversions from YMC below Siphon Drop PP	Yuma Main Canal Wasteway at Yuma AZ	Yuma Main Canal below Colorado River Siphon	Ypislanti Canal near Winterhaven California
Day	*09522800	*09523000	09523200	09523400	09523600	09523800	*09524000	*09524500	09525000	09525500	09526200
1	31	4210	26	0	7.1	5.7	828	15	334	479	19
2	65	4400	80	0	17	3.7	786	32	211	543	19
3	59	4810	108	0	19	13	871	20	200	651	24
4	55	4980	58	0	11	15	1160	21	547	592	21
5	46	4980	66	0	12	17	1210	22	642	546	15
6	47	4990	75	0	21	7.6	1180	10	561	609	21
7	50	4700	59	0	14	4.7	934	4.7	348	581	22
8	38	4340	31	0	4.9	2.5	946	3.3	507	436	9.8
9	44	4530	33	0	5.7	11	995	9.9	516	469	24
10	51	4750	50	0	6.4	12	1080	12	587	481	29
11	43	4920	48	0	7.5	12	1270	16	717	537	33
12	59	4870	53	0	14	18	981	10	436	535	18
13	47	4750	28	0	4.7	9.9	1020	10	525	485	36
14	66	4580	43	0	12	8.9	1050	16	542	492	20
15	30	3910	6.1	0	3.3	5.1	1010	15	618	377	11
16	49	4450	18	0	4.1	5.6	774	11	335	428	22
17	53	4840	55	0	6	2.9	645	20	55	570	14
18	66	4890	54	0	4.1	5.5	631	32	8	591	23
19	66	5010	41	0	5.4	9.9	569	27	17	525	22
20	69	4930	31	0	6.6	5	560	33	18	509	15
21	65	4860	26	0	5.6	1.3	541	36	34	471	10
22	46	4680	2.2	0	2.9	1.1	480	35	163	282	4.9
23	66	5050	47	0	3.9	29	514	25	104	385	13
24	78	5260	73	0	7.2	26	511	17	20	474	19
25	78	4920	52	0	13	0.43	538	20	61	457	32
26	45	4270	4.7	0	5.2	4.9	464	4.2	283	177	12
27	74	4810	34	0	8.4	3.2	584	0	115	469	35
28	82	4620	9.3	0	5.2	10	566	0	59	507	18
29	42	4460	0	0	0.86	2.3	475	5.1	160	310	0.21
30	1.4	4610	41	0	16	19	520	0	139	381	18
TOTAL	1611.4	141380	1252.3	0	254.06	272.23	23693	482.2	8862	14349	579.91
MEAN	54	4713	42	0	8	9	790	16	295	478	19
ACFT	3196	280427	2484	0	504	540	46995	956	17578	28461	1150

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UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Diversions and Return Flows - Provisional Data

Mean Daily Discharge in Cubic feet per second , except as noted by #.

	Pilot Knob Powerplant and Wasteway	All American Canal below Pilot Knob Wasteway	Levee Canal Wasteway near Yuma AZ	North Gila Drain No. 1 near Yuma AZ	North Gila Main Canal Wasteway near Yuma AZ	South Gila Pump Outlet Channel No. 3 near Yuma Az	South Gila Pump Outlet Channel No. 2 near Yuma AZ	Bruce Church Wasteway near Yuma AZ	Wellton Mohawk Main Outlet Drain near Yuma AZ	South Gila Pump Outlet Channel No. 1 near Yuma AZ	South Gila Terminal Canal WW near Yuma AZ
Day	*09527000	*09527500	09528800	09529000	09529150	*09529160	*09529240	09529250	09529300	*09529360	09529420
1	0	2850	0	4.4	6.2	0	0	7.8	168	0	3.3
2	0	3140	0	5.2	6.5	0	0	11	171	0	3.5
3	0	3500	0	5.3	6.1	0	0	3.4	184	0	4.5
4	0	3510	0.03	4.7	5.6	0	0	13	186	0	5
5	0	3450	0.7	5.1	7.8	0	0	15	168	0	3.9
6	0	3470	0.04	4.4	10	0	0	15	161	0	3.5
7	0	3370	0	4.8	8.9	0	0	14	136	0	6.5
8	0	2920	0	4.4	8.7	0	0	15	127	0	11
9	0	3100	2.3	4.1	11	0	0	16	105	0	5
10	0	3320	0	3.9	6.9	0	0	16	114	0	5.6
11	0	3340	0.01	4.8	5.1	0	0	14	105	0	5.9
12	0	3500	0.06	4.7	7.3	0	0	13	110	0	3.3
13	0	3340	0.07	4.1	6.5	0	0	14	115	0	6
14	0	3130	0.03	4.2	2.3	0	0	15	125	0	8.5
15	0	2300	0	4	5	0	0	20	117	0	5.6
16	452	2860	0	4.3	4.6	0	0	15	114	0	3.1
17	934	2910	0.23	4.3	4.6	0	0	14	127	0	6.2
18	937	3010	0.01	4.1	6.4	0	0	14	125	0	5.8
19	1060	3140	0.33	4.2	4	0	0	16	117	0	4.2
20	1080	3100	0.4	4.2	3.8	0	0	17	130	0	4.9
21	1260	2760	0.37	4.2	0.84	0	0	11	139	0	1.6
22	1230	2690	0	3.5	4.9	0	0	19	125	0	4.8
23	1210	3030	0	3.5	2.1	0	0	17	136	0	5.4
24	1280	3140	0.05	3.8	0.73	0	0	15	123	0	2.4
25	1280	2770	0.01	3.6	1.9	0	0	17	116	0	7.8
26	1090	2230	0.86	3.8	0.62	0	0	20	123	0	4.6
27	1230	2670	0.39	4.4	0.51	0	0	15	121	0	5.3
28	1270	2300	0.21	4.1	0.83	0	0	15	124	0	9.1
29	1230	2320	0.09	4.7	0.33	0	0	16	128	0	7.3
30	1210	2520	0.63	3.5	0.24	0	0	8.3	109	0	0.03
TOTAL	16753	89690	6.82	128.3	140.3	0	0	431.5	3949	0	153.63
MEAN	558	2990	0	4	5	0	0	14	132	0	5
ACFT	33230	177900	14	254	278	0	0	856	7833	0	305

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UNITED STATES DEPARTMENT OF THE INTERIOR - GEOLOGICAL SURVEY - WATER RESOURCES DIVISION

Lower Colorado River - Diversions and Return Flows - Provisional Data

Mean Daily Discharge in Cubic feet per second , except as noted by #.

	South Gila Pump Outlet Channel No. 4 near Yuma Az	Reservation Drain No. 7 near Bard CA	Reservation Drain No. 6 near Bard CA	Reservation Drain No. 2 near Bard CA	Reservation Drain No. 3 near Bard CA	Reservation Main Drain No. 4 near Yuma AZ	Yuma Mesa Outlet Drain near Yuma AZ	Reservation Drain No. 11 near Winterhaven	Araz Drain No. 8B near Winterhaven California
Day	*09529440	09529600	09529700	09529800	09529900	09530000	*09530200	09530400	09530500
1	0	3	20	1.1	6.4	49	6	4.3	11
2	0	3	20	1.1	6.4	50	6	4.3	11
3	0	3	20	1.1	6.4	52	6	4.3	11
4	0	3	20	1.1	6.4	53	6	4.3	11
5	0	3	20	1.1	6.4	56	6	4.3	11
6	0	3	20	1.1	6.4	54	6	4.3	10
7	0	3	20	1.1	6.4	47	6	4.3	12
8	0	3	20	1.1	6.4	51	6	4.3	11
9	0	3	20	1.1	6.4	55	6	4.3	11
10	0	3	20	1.1	6.4	55	6	4.3	11
11	0	3	20	1.1	6.4	56	6	4.3	12
12	0	3	20	1.1	6.4	56	6	4.3	14
13	0	3	20	1.1	6.4	56	6	4.3	13
14	0	3	20	1.1	6.4	57	6	4.3	13
15	0	3	20	1.1	6.4	57	6	4.3	11
16	0	3	20	1.1	6.4	48	6	4.3	11
17	0	3	20	1.1	6.4	43	6	4.3	11
18	0	3	20	1.1	6.4	44	6	4.3	11
19	0	3	20	1.1	6.4	43	6	4.3	12
20	0	3	20	1.1	6.4	43	6	4.3	12
21	0	3	20	1.1	6.4	47	6	4.3	12
22	0	3	20	1.1	6.4	43	6	4.3	11
23	0	3	20	1.1	6.4	46	4.4	4.3	11
24	0	3	20	1.1	6.4	46	0	4.3	12
25	0	3	20	1.1	6.4	47	0	4.3	11
26	0	3	20	1.1	6.4	45	0	4.3	12
27	0	3	20	1.1	6.4	47	0	4.3	11
28	0	3	20	1.1	6.4	47	0	4.3	13
29	0	3	20	1.1	6.4	47	0	4.3	11
30	0	3	20	1.1	6.4	50	0	4.3	9.6
TOTAL	0	90	600	33	192	1490	136.4	129	343.6
MEAN	0	3	20	1	6	50	5	4	11
ACFT	0	179	1190	65	381	2955	271	256	682

*Data furnished by other agencies

#Data furnished by other agencies in acre-feet

United States Department of the Interior - Geological Survey - Water Resources Division
Lower Colorado River - Diversions and Reservoirs - Provisional Data

DIVERSIONS

STATION NAME	STATION NUMBER	MONTHLY TOTAL - ACRE-FEET
#Gila Gravity Main Canal at Pumping Plant	9522850	11260
#Unit B Main Canal	9522900	1710
#City of Yuma Diversions	9526000	626
Wellton Mohawk MODE # 2	9531800	0

RESERVOIRS

	#LAKE MEAD	LAKE MOHAVE	LAKE HAVASU	#ALAMO LAKE	#Senator Wash
End of Current Months Contents	10919000	1497000	575200	124500	8647
End of Previous Months Contents	10897000	1465000	583200	126700	8045
Change in Contents	22000	32000	-8000	-2200	602

*Data furnished by other agencies.
 #Data furnished by other agencies in acre-feet.