DIVERSIONS AND RETURN FLOWS AT AND BELOW IMPERIAL DAM

09525500 YUMA MAIN CANAL BELOW COLORADO RIVER SIPHON, AT YUMA, AZ

LOCATION.--Two gages, one at each end of canal siphon passing under Colorado River. At intake, lat 32°43'49", long 114°37'09", in NE1/4NE1/4 sec. 35, T.16 S., R.22 E., San Bernardino meridian, in Imperial County, CA, Hydrologic Unit 15030107, on left bank 1,645 ft downstream from center of Yuma Main Canal wasteway gates and 3.5 mi downstream from siphon-drop powerplant. At outlet, in NW1/4NE1/4 sec. 35, T.16 S., R.22 E., San Bernardino meridian, in Yuma County, AZ, on right bank. Siphon crossing is 1,300 ft upstream from 4th Avenue bridge over Colorado River at Yuma.

PERIOD OF RECORD.--Jan. 1924 to current year. Prior to Oct. 1938, monthly discharge only published in WSP 1313. Diversion from Yuma Main Canal for municipal supply for Yuma (sta 09526000), published with this record prior to Oct. 1973, is listed separately in this report.

REVISED RECORDS.--WSP 1713: 1958, 1959 (Yuma municipal supply).

GAGE.--Water-stage recorder at each end of siphon. Datum of each gage is 100.62 ft above sea level. Prior to Oct. 1, 1963, at datum 0.05 ft lower. Elevation of sill of inlet is 125.5 ft above sea level. Prior to Oct. 29, 1938, nonrecording gages at approximately same sites, read simultaneously.

REMARKS.--Records good except those below 100 ft^3/s, which are poor. Daily discharge computed from relation between discharge and head on siphon, which is the difference between intake and outlet gages. Records show quantity of water delivered through Colorado River siphon for irrigation in the Valley Division of the Yuma Project and for municipal supply for city of Yuma (see sta 09526000).

EXTREMES.--1930 to current year: Maximum daily discharge, 984 ft^3/s Oct. 9, 1992; no flow at times.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	706	717	444	200	406	295	841	828	236	621	e483	446
2	715	760	438	325	321	356	849	813	295	732	399	490
3	764	552	282	405	328	289	811	776	350	747	356	489
4	760	505	266	363	436	252	820	634	417	661	242	500
5	756	544	249	259	511	293	806	652	441	530	e37	492
6	710	576	501	418	571	310	745	764	461	366	e17	424
7	716	586	481	480	555	551	723	843	433	374	e105	334
8	719	617	403	483	468	696	793	868	336	483	e409	342
9	729	565	337	437	361	703	858	853	414	591	531	393
10	741	517	308	400	432	734	852	799	449	684	492	431
11	779	557	310	352	446	808	840	668	400	676	503	419
12	784	596	263	267	491	838	756	719	397	593	520	464
13	637	637	438	340	336	857	655	810	422	508	517	478
14	772	657	465	395	209	870	696	850	444	501	460	446
15	854	658	281	353	153	850	766	786	388	499	430	470
16	859	600	311	336	153	681	828	670	388	565	387	438
17	860	479	422	372	224	477	870	497	474	487	354	446
18	827	480	409	395	251	383	840	328	552	386	401	477
19	806	525	386	279	260	352	649	543	500	328	443	529
20	753	544	385	346	313	386	579	666	446	261	466	570
21	747	590	404	447	337	608	639	723	439	362	449	536
22	782	555	346	479	306	671	778	742	393	495	399	554
23	738	536	351	464	315	530	825	646	400	614	320	594
24	694	453	288	445	367	616	818	475	458	574	236	566
25	689	481	165	391	374	730	825	380	508	473	282	536
26	670	581	314	304	273	811	821	403	556	402	347	625
27	567	553	413	313	277	740	780	480	566	359	433	638
28	616	379	425	390	236	742	790	497	575	e436	444	698
29	710	498	363	432	---	823	795	497	532	e472	425	702
30	702	561	405	479	---	809	814	460	552	e535	437	724
31	686	---	334	476	---	792	---	327	---	e580	412	---
TOTAL	22848	16859	11187	11825	9710	18853	23462	19997	13222	15895	11736	15251
MEAN	737	562	361	381	347	608	782	645	441	513	379	508
MAX	860	760	501	483	571	870	870	868	575	747	531	724
MIN	567	379	165	200	153	252	579	327	236	261	17	334
AC-FT	45320	33440	22190	23450	19260	37390	46540	39660	26230	31530	23280	30250

CAL YR 2002 TOTAL 199700 MEAN 547 MAX 872 MIN 165 AC-FT 396100
WTR YR 2003 TOTAL 190845 MEAN 523 MAX 870 MIN 17 AC-FT 378500

e Estimated