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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	710	608	427	374	180	435	780	916	435	616	257	320
2	756	522	279	364	343	438	700	867	574	539	262	412
3	803	551	329	403	429	415	449	818	722	517	433	462
4	824	625	315	213	435	481	302	881	702	376	405	442
5	822	678	601	306	411	530	349	910	543	334	472	400
6	781	666	597	407	397	527	432	919	435	380	517	369
7	816	629	395	418	392	447	547	913	489	532	461	339
8	761	553	357	406	289	455	716	908	509	583	378	381
9	770	505	283	346	352	559	713	854	510	701	281	399
10	797	567	280	357	445	768	564	827	438	698	e0.00	434
11	811	594	291	352	446	882	471	873	437	459	e0.00	465
12	734	416	450	317	509	849	632	862	433	417	e22	372
13	670	329	470	232	502	814	838	716	406	444	548	480
14	764	367	328	223	580	706	909	655	453	527	569	480
15	814	397	314	195	499	672	880	547	593	553	411	499
16	783	376	427	488	494	718	901	423	656	533	341	487
17	792	408	445	476	492	726	901	540	663	498	387	521
18	806	456	447	315	533	698	873	673	617	372	417	605
19	776	487	418	306	574	711	853	699	635	477	424	521
20	744	478	416	442	557	676	882	735	433	533	413	530
21	753	522	290	464	472	591	826	736	525	600	359	513
22	749	515	355	363	331	620	825	617	697	461	289	526
23	759	454	424	242	295	663	808	492	621	485	283	588
24	807	492	233	165	288	702	715	536	680	400	376	623
25	772	660	95	200	361	805	673	503	693	333	442	583
26	629	655	320	308	421	789	766	513	606	377	368	488
27	625	467	411	209	428	693	826	514	400	490	367	519
28	691	529	330	199	496	605	908	463	472	552	336	603
29	707	559	378	232	381	636	940	395	562	533	289	665
30	714	501	481	390	---	753	931	328	567	437	318	684
31	716	---	333	379	---	801	---	343	---	318	337	---
TOTAL	23456	15566	11519	10091	12332	20165	21910	20976	16506	15075	10762.00	14710
MEAN	757	519	372	326	425	650	730	677	550	486	347	490
MAX	824	678	601	488	580	882	940	919	722	701	569	684
MIN	625	329	95	165	180	415	302	328	400	318	0.00	320
AC-FT	46520	30880	22850	20020	24460	40000	43460	41610	32740	29900	21350	29180

CAL YR 2003 TOTAL 190492 MEAN 522 MAX 870 MIN 17 AC-FT 377800
WTR YR 2004 TOTAL 193068.00 MEAN 528 MAX 940 MIN 0.00 AC-FT 383000

e Estimated