09-5250.00 YUMA MAIN CANAL WASTEWAY TO COLORADO RIVER AT YUMA, ARIZONA

DESCRIPTION: The wasteway receives water from the Yuma Main Canal at the check structure on the canal, 501 meters upstream from the intake of the Colorado River siphon, and 5.1 kilometers downstream from the Siphon Drop Power Plant. This wasteway discharges into the Colorado River on the California side, 305 meters upstream from Colorado River below Yuma Main Canal Wasteway, and 10.5 kilometers upstream from the northerly international land boundary.

RECORDS: Discharge is computed as the difference between the measured discharge of the Yuma Main Canal at the Siphon Drop Power Plant upstream and that of the same canal below the Colorado River siphon, with deductions for small irrigation diversions from the canal between the two gaging stations. Records obtained and furnished by U. S. Geological Survey. Records available: April 1913 through 2001.

REMARKS: The wasteway discharges to the river the flow in excess of irrigation water in the Yuma Main Canal.

EXTREMES: Prior to 1935, when storage began in Lake Mead: Average annual flow, 367,333 TCM; maximum annual flow, 1,127,040 TCM, 1932; minimum annual flow, 141,728 TCM, 1917. Since 1935: Maximum mean daily discharge, 57.2 CMS, December 24-25, 1948; minimum mean daily discharge, no flow on numerous occasions.

MEAN DAILY DISCHARGE IN CUBIC METERS PER SECOND 2001 --- ANNUAL AND PERIOD SUMMARY

Day	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
1	4.53	2.83	13.1	4.84	4.47	2.29	1.90	1.42	3.31	2.15	7.90	2.52
2	2.63	2.72	11.6	4.98	5.27	2.52	1.56	2.04	.68	.85	7.59	2.66
3	2.38	2.72	10.3	5.47	4.42	2.38	2.35	1.81	.37	.88	8.24	1.87
4	3.17	2.69	11.2	5.07	4.96	2.61	2.41	1.95	.59	1.19	10.0	2.46
5	2.69	2.69	10.6	5.35	3.74	2.78	2.18	2.97	.31	2.75	12.4	2.97
6	1.90	2.61	9.15	5.81	2.58	2.78	5.04	1.42	.42	.93	12.1	3.74
7	2.69	3.26	3.68	6.51	1.64	2.80	2.52	1.56	.42	2.29	12.2	3.00
8	2.27	3.57	7.08	6.00	5.21	3.17	1.87	4.22	1.56	1.16	12.1	4.96
9	2.55	4.13	6.83	5.35	11.2	3.23	6.91	6.49	1.22	1.13	12.1	3.74
10	2.80	3.43	6.68	4.56	12.8	2.32	15.2	4.16	1.08	1.16	12.4	3.46
11	2.72	3.00	6.88	4.25	12.7	2.18	15.0	4.84	1.56	5.35	18.8	3.65
12	4.05	1.95	6.71	3.91	10.4	2.58	16.0	4.64	1.10	1.30	13.6	5.64
13	4.76	2.95	6.23	4.93	10.3	2.38	16.8	9.29	.91	1.25	13.8	4.93
14	4.62	3.40	5.75	5.24	14.1	2.72	16.2	16.9	.91	.96	13.5	1.59
15	3.09	4.45	5.78	4.62	13.6	2.27	8.18	9.06	.68	.71	14.5	2.46
16	2.49	4.45	7.53	3.48	12.7	2.80	1.90	7.33	.82	.88	13.5	2.55
17	3.09	4.19	7.14	3.48	12.0	2.69	1.81	.42	1.50	.88	13.7	2.75
18	1.33	5.32	.28	3.12	14.8	3.65	7.70	7.25	.28	.25	16.1	1.67
19	3.88	3.23	7.11	3.43	13.7	1.93	2.04	.28	8.10	.91	14.9	2.78
20	3.48	3.14	7.87	4.13	15.2	2.46	1.64	.59	8.47	.99	18.3	1.78
21	2.66	3.03	12.4	3.96	6.68	2.80	2.49	3.51	6.80	.51	18.4	2.63
22	2.10	3.09	17.7	3.29	11.2	2.41	2.10	13.6	7.39	1.02	20.4	1.27
23	3.17	3.14	23.7	2.89	8.30	2.38	1.90	10.1	3.91	2.15	19.9	2.49
24	3.60	3.60	25.2	8.10	5.52	2.41	1.08	7.45	7.05	1.39	16.4	4.28
25	1.56	6.37	10.5	9.43	5.52	3.34	1.95	6.29	5.15	1.19	10.2	7.99
26	1.42	8.21	10.3	4.39	14.0	1.90	.65	9.80	4.39	.59	10.2	5.32
27	3.37	9.35	14.4	3.96	8.89	2.18	1.30	8.30	1.44	3.65	3.46	2.72
28	3.31	12.8	5.30	4.76	3.57	2.18	1.76	8.16	4.64	2.10	14.4	1.53
29	2.55		5.07	4.25	7.99	2.04	.88	9.26	6.68	1.16	15.8	.74
30	2.58		4.45	2.86	16.4	1.70	2.12	5.10	6.88	2.15	3.12	.82
31	2.58		4.76		19.5		2.46	5.04		2.24		1.93
Sum	90.02	116.32	285.28	142.42	293.36	75.88	147.90	175.25	88.62	46.12	390.01	92.90

	Current Year 2001							Period 1935-2001		
	Extreme Gage Meters		Extreme-Cubic Meters per Second					Volume-Thousand Cubic Meters		
Month	High	Low	@ High Day	@ High	@ Low Day	@ Low	Average	Total	Average	Maximum	Minimum
Jan.			13	4.76	18	1.33	2.90	7,778	53,065	136,546	550
Feb.			28	12.8	12	1.95	4.15	10,050	43,356	109,952	444
Mar.			24	25.2	18	.28	9.20	24,648	43,213	111,248	440
April			25	9.43	30	2.86	4.75	12,305	42,569	106,795	402
May			31	19.5	7	1.64	9.46	25,346	50,516	108,892	411
June			18	3.65	30	1.70	2.53	6,556	44,051	107,263	422
July			13	16.8	26	.65	4.77	12,779	41,272	112,518	455
Aug.			14	16.9	19	.28	5.65	15,142	44,918	110,878	455
Sept.			20	8.47	18	.28	2.95	7,657	49,524	103,193	440
Oct.			11	5.35	18	.25	1.49	3,985	44,265	111,075	699
Nov.			22	20.4	30	3.12	13.0	33,697	45,185	125,198	882
Dec.			25	7.99	29	.74	3.00	8,027	51,476	134,203	570
Yearly				25.2		0.25	5.33	167,970	553,410	1,286,335	8,226

@ Mean daily