

YAKIMA RIVER BASIN

12500420 MOXEE DRAIN AT BIRCHFIELD ROAD NEAR UNION GAP, WA

LOCATION.--Lat 46°32'46", long 120°26'13", in NE 1/4 NE 1/4 sec.9, T.12 N., R.19 E., Yakima County, Hydrologic Unit 17030003, on right bank, at County road crossing, 2 miles east of Union Gap, and at mile 1.4.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 1999 to June 2000 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 900 ft above sea level (levels by Bureau of Reclamation).

REMARKS.--No estimated daily discharges. Records good. Most flow is waste and return from irrigation from water imported from the Yakima River at the Selah-Moxee Irrigation Diversion located at river mile 123.6 on the Yakima River and the Roza Diversion located at river mile 127.9 on the Yakima River. Bureau of Reclamation satellite telemeter at station.

COOPERATION.--Gage-height record was collected in cooperation with North Yakima Conservation District and Bureau of Reclamation. Several discharge measurements provided by North Yakima Conservation District.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 106 ft³/s Aug. 7, 1999, gage height, 70.21 ft; minimum discharge, 70 ft³/s, Mar. 17, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge during period October to June, 95 ft³/s June 5, gage height 69.99 ft; minimum discharge, 7.0 ft³/s Mar. 17.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	50	11	9.0	8.4	8.0	7.5	44	70	73	---	---	---
2	55	11	8.9	8.3	7.9	7.6	48	66	69	---	---	---
3	57	11	8.7	8.1	8.1	7.7	44	68	74	---	---	---
4	58	11	8.7	8.2	8.4	8.7	44	68	86	---	---	---
5	55	11	8.8	8.0	8.3	8.1	41	68	75	---	---	---
6	55	11	8.8	8.0	8.3	7.9	50	66	57	---	---	---
7	56	11	8.8	8.0	8.3	7.8	52	69	56	---	---	---
8	57	10	8.7	8.1	8.3	7.7	49	69	---	---	---	---
9	58	10	8.8	8.0	8.3	7.7	57	66	---	---	---	---
10	59	10	8.7	8.0	8.2	7.6	62	68	---	---	---	---
11	58	10	8.8	8.1	8.3	7.4	63	71	---	---	---	---
12	57	10	8.7	7.9	8.4	7.3	62	64	---	---	---	---
13	54	9.9	8.7	8.0	8.3	7.3	68	66	---	---	---	---
14	56	9.8	8.7	8.2	8.5	7.3	73	68	---	---	---	---
15	58	9.8	8.6	8.0	8.2	14	74	63	---	---	---	---
16	58	9.8	8.5	8.3	8.1	21	82	65	---	---	---	---
17	57	9.7	8.7	8.1	8.0	8.9	86	60	---	---	---	---
18	59	9.5	8.7	7.8	8.0	7.4	83	58	---	---	---	---
19	36	9.8	8.3	7.8	8.0	7.3	83	58	---	---	---	---
20	31	9.5	8.4	7.8	8.0	7.5	80	63	---	---	---	---
21	21	9.3	8.3	7.8	8.0	13	79	66	---	---	---	---
22	17	9.3	8.3	7.8	8.0	16	79	65	---	---	---	---
23	15	9.3	8.3	7.8	8.0	24	78	59	---	---	---	---
24	15	9.3	8.3	7.8	7.7	28	70	54	---	---	---	---
25	13	9.3	8.3	8.0	7.5	34	76	58	---	---	---	---
26	13	9.2	8.3	8.0	7.9	33	75	58	---	---	---	---
27	14	9.0	8.3	7.8	8.3	33	77	66	---	---	---	---
28	14	9.0	8.3	7.8	7.7	35	77	72	---	---	---	---
29	12	9.0	8.3	7.8	7.7	34	68	68	---	---	---	---
30	12	9.0	8.3	7.8	---	35	71	78	---	---	---	---
31	11	---	8.4	7.8	---	36	---	88	---	---	---	---
TOTAL	1241	296.5	265.4	247.3	234.7	494.7	1995	2046	490	---	---	---
MEAN	40.0	9.88	8.56	7.98	8.09	16.0	66.5	66.0	70.0	---	---	---
MAX	59	11	9.0	8.4	8.5	36	86	88	86	---	---	---
MIN	11	9.0	8.3	7.8	7.5	7.3	41	54	56	---	---	---
AC-FT	2460	588	526	491	466	981	3960	4060	972	---	---	---

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2000, BY WATER YEAR (WY)

	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000	1999	2000
MEAN	40.0	9.88	8.56	7.98	8.09	16.0	66.5	66.0	---	53.6	58.9	56.9
MAX	40.0	9.88	8.56	7.98	8.09	16.0	66.5	66.0	---	53.6	58.9	56.9
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	---	1999	1999	1999
MIN	40.0	9.88	8.56	7.98	8.09	16.0	66.5	66.0	---	53.6	58.9	56.9
(WY)	2000	2000	2000	2000	2000	2000	2000	2000	---	1999	1999	1999

SUMMARY STATISTICS

	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1999 - 2000	
HIGHEST DAILY MEAN	78	Jul 18	88	May 31	88	May 31 2000
LOWEST DAILY MEAN	8.3	Dec 19	7.3	Mar 12	7.3	Mar 12 2000
ANNUAL SEVEN-DAY MINIMUM	8.3	Dec 21	7.5	Mar 8	7.5	Mar 8 2000
10 PERCENT EXCEEDS	62		70		69	
50 PERCENT EXCEEDS	50		9.8		44	
90 PERCENT EXCEEDS	8.7		7.8		7.9	