

TULALIP AND MISSION CREEK BASINS

1

12157250 MISSION CREEK NEAR TULALIP, WA

LOCATION.--Lat 48°03'31", long 122°15'58", in SW 1/4 NW 1/4 sec.26, T.30 N., R.4 E., Snohomish County, Hydrologic Unit 17110019, on left bank 100 ft upstream from highway crossing, 0.25 mi above mouth, and 0.9 mi east of Tulalip.

DRAINAGE AREA.--7.92 mi².

PERIOD OF RECORD.--October 1974 to September 1977, November 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 20.3 ft below NGVD of 1929, from precision Global Positioning System (GPS). Oct. 1974 to Sept. 1977, water-stage recorder, at site downstream from highway crossing, at different datum.

REMARKS.--Records fair, except estimated daily discharges, which are poor. Some natural regulation in lakes and beaver ponds. Chemical analysis Nov. 1974 to March 1977, water temperatures Oct. 1974 to March 1977.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85 ft³/s Jan. 19, 1977, gage height, 4.11 ft, from rating curve extended above 20 ft³/s datum then in use, probably result of release of water from beaver ponds; minimum, 0.12 ft³/s June 29, 1977, probably result of beaver activity upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 67 ft³/s Dec. 17; gage height 57.60 ft; minimum discharge, 0.75 ft³/s, Aug. 17, 18.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	5.4	19	7.0	20	6.7	8.7	4.3	3.0	2.1	1.2	e1.4
2	1.8	4.3	16	9.0	17	6.7	8.1	4.2	3.1	1.6	1.2	e1.5
3	1.6	3.6	14	7.6	15	6.4	7.3	4.3	2.8	1.4	1.1	e1.5
4	1.5	3.4	13	6.4	15	6.3	6.9	4.1	2.7	1.7	1.2	e1.5
5	1.6	3.5	11	5.9	14	5.7	6.4	6.5	3.1	1.8	1.4	e1.4
6	1.5	3.4	11	7.3	14	5.3	6.3	9.0	4.2	1.6	1.8	e1.4
7	1.4	3.1	9.4	11	14	5.3	6.4	6.9	4.2	1.5	1.7	e1.3
8	1.6	2.9	8.7	13	18	5.8	6.1	5.5	3.0	4.7	1.4	e1.2
9	1.6	2.8	10	9.3	15	6.7	6.4	4.7	2.6	5.2	1.3	e1.2
10	1.6	2.7	12	7.5	13	7.4	9.2	4.4	2.4	3.0	1.2	e1.2
11	1.9	2.7	14	6.8	14	8.1	8.8	3.8	2.2	2.2	1.1	e1.2
12	2.1	3.0	13	7.4	12	8.7	7.5	3.6	2.1	1.9	1.1	1.2
13	2.1	3.7	19	7.1	10	7.5	7.3	3.7	1.9	1.5	1.1	1.2
14	2.9	11	26	6.2	9.8	15	8.4	5.4	1.6	1.4	0.99	1.2
15	2.9	16	21	5.7	9.2	18	7.9	5.1	1.4	1.3	0.96	1.0
16	3.0	10	24	5.5	8.5	17	12	4.3	1.5	1.4	0.89	1.2
17	3.7	6.8	49	5.6	8.3	13	13	4.2	1.7	1.5	0.90	1.6
18	3.1	5.3	30	5.8	8.7	11	10	4.0	2.4	1.4	0.92	1.5
19	4.9	8.8	21	17	9.7	15	8.8	3.8	2.9	1.4	0.99	1.3
20	4.6	13	16	20	10	31	7.8	4.3	2.4	1.5	1.1	1.3
21	4.4	10	14	15	11	23	7.1	4.7	2.0	1.4	1.3	1.3
22	5.5	12	12	14	9.7	19	6.9	3.9	1.7	1.3	1.4	1.3
23	5.2	17	10	14	9.6	17	7.3	3.6	1.6	1.3	1.3	1.2
24	4.1	10	9.1	12	9.6	14	6.8	3.4	1.5	1.3	1.3	1.2
25	8.4	7.5	8.3	17	8.2	13	6.1	3.4	1.4	1.2	1.4	1.1
26	7.6	6.3	7.6	15	7.4	11	5.9	3.5	1.3	1.3	1.6	1.2
27	15	5.4	7.2	13	7.0	9.9	6.3	3.6	1.2	1.4	e1.5	1.2
28	11	11	7.4	14	7.0	11	5.7	3.7	1.6	1.4	e1.4	1.1
29	6.8	24	6.9	12	---	10	5.1	3.8	4.1	1.5	e1.4	1.6
30	4.7	22	6.2	14	---	9.2	4.6	4.2	3.3	1.5	e1.3	2.4
31	5.8	---	6.6	20	---	8.4	---	3.7	---	1.3	e1.4	---
TOTAL	125.7	240.6	452.4	331.1	324.7	352.1	225.1	137.6	70.9	55.0	38.85	39.9
MEAN	4.05	8.02	14.6	10.7	11.6	11.4	7.50	4.44	2.36	1.77	1.25	1.33
MAX	15	24	49	20	20	31	13	9.0	4.2	5.2	1.8	2.4
MIN	1.4	2.7	6.2	5.5	7.0	5.3	4.6	3.4	1.2	1.2	0.89	1.0
AC-FT	249	477	897	657	644	698	446	273	141	109	77	79
CFSM	0.51	1.01	1.84	1.35	1.46	1.43	0.95	0.56	0.30	0.22	0.16	0.17
IN.	0.59	1.13	2.12	1.56	1.53	1.65	1.06	0.65	0.33	0.26	0.18	0.19

e Estimated