

TULALIP AND MISSION CREEK BASINS

12158010 TULALIP CREEK ABOVE EAST BRANCH NEAR TULALIP, WA

LOCATION.--Lat 48°05'52", long 122°17'13", in SE 1/4 SW 1/4 sec.10, T.30 N., R.4 E., Snohomish County Hydrologic Unit 17110019, Tulalip Indian Reservation, on left bank wing wall upstream side of diversion dam, 1.9 mi north of Tulalip and 2.0 mi above mouth.

DRAINAGE AREA.--9.74 mi².

PERIOD OF RECORD.--November 2000 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2.8 ft below NGVD of 1929, from precision Global Positioning System (GPS).

REMARKS.--Records fair except for discharges below 10 ft³/s and estimated daily discharges, which are poor. Some natural regulation in lakes and beaver ponds in basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61 ft³/s Dec. 16, 2001, gage height 123.91; minimum discharge, 2.6 ft³/s many day in Nov. 2001 and July and Aug. 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 61 ft³/s Dec. 16, gage height 123.91 ft; minimum discharge, 2.6 ft³/s many days in Nov., Jul. and Aug.

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	4.6	4.2	19	12	19	12	15	8.7	5.8	4.3	3.4	e3.4
2	4.6	4.0	17	13	19	10	14	8.5	6.0	4.4	3.5	e3.5
3	4.6	3.7	16	12	18	9.6	14	9.0	5.6	4.3	3.5	e3.5
4	4.7	3.4	19	12	17	9.0	13	8.9	5.5	4.7	3.7	e3.4
5	4.4	3.5	20	12	17	9.0	13	9.7	5.8	4.4	4.3	e3.4
6	4.5	3.5	19	13	18	8.7	13	9.5	5.5	4.1	3.8	e3.5
7	4.6	3.5	17	14	19	8.8	13	9.0	5.2	4.7	3.7	e3.3
8	4.5	3.6	17	14	20	9.4	12	8.6	5.2	6.4	3.6	e3.5
9	4.6	3.7	17	13	18	9.6	13	8.4	5.1	4.2	3.5	e3.5
10	4.9	3.2	18	13	18	10	14	8.2	5.1	3.9	3.6	e3.5
11	4.8	3.1	19	12	17	9.9	14	7.9	5.0	3.7	3.5	e3.5
12	5.2	3.8	24	12	17	9.9	11	7.7	4.9	3.6	3.5	e3.5
13	5.6	5.1	28	12	16	10	10	8.0	4.7	3.7	3.4	e3.5
14	6.1	10	28	12	15	15	15	8.2	4.8	3.8	3.4	e3.5
15	5.1	6.9	26	11	14	13	10	7.5	4.7	3.6	3.5	e3.6
16	5.9	5.3	33	11	14	14	12	7.4	4.7	3.5	3.5	e4.1
17	5.6	4.6	43	11	14	13	11	8.1	4.8	3.5	3.6	e4.8
18	5.6	4.5	32	11	14	13	11	7.4	5.7	3.6	3.9	e4.1
19	6.8	7.6	30	16	15	17	11	7.3	4.9	3.5	4.0	e4.2
20	5.6	7.8	33	15	14	24	11	8.4	4.7	3.6	4.0	e4.3
21	6.5	7.2	29	19	14	23	10	7.8	4.6	3.5	4.0	e4.0
22	6.2	11	25	18	14	22	9.9	7.1	4.2	3.3	3.7	e3.9
23	8.0	12	23	17	15	20	9.5	6.7	4.3	3.1	3.5	e3.8
24	13	10	21	16	14	18	9.2	6.7	4.3	3.1	3.5	e3.9
25	12	9.8	19	19	13	17	9.1	6.7	4.2	3.4	e3.7	e4.1
26	6.7	9.4	17	17	13	17	9.0	6.9	4.1	3.5	e3.8	e3.9
27	9.2	8.6	13	17	13	15	9.1	7.6	4.3	3.5	e3.6	e4.5
28	4.5	12	11	17	12	17	9.3	6.7	4.9	3.7	e3.6	e3.9
29	4.3	18	10	17	---	16	9.5	6.5	4.9	3.6	e3.6	e4.5
30	4.4	17	11	17	---	15	9.2	6.2	4.5	3.5	e3.6	e5.1
31	5.9	---	12	19	---	14	---	5.9	---	3.4	e3.5	---
TOTAL	183.0	210.0	666	444	441	428.9	343.8	241.2	148.0	119.1	113.0	115.2
MEAN	5.90	7.00	21.5	14.3	15.8	13.8	11.5	7.78	4.93	3.84	3.65	3.84
MAX	13	18	43	19	20	24	15	9.7	6.0	6.4	4.3	5.1
MIN	4.3	3.1	10	11	12	8.7	9.0	5.9	4.1	3.1	3.4	3.3
AC-FT	363	417	1320	881	875	851	682	478	294	236	224	228
CFSM	0.61	0.72	2.21	1.47	1.62	1.42	1.18	0.80	0.51	0.39	0.37	0.39
IN.	0.70	0.80	2.54	1.70	1.68	1.64	1.31	0.92	0.57	0.45	0.43	0.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002	2001	2002
MEAN	5.90	7.00	13.0	10.1	11.3	10.8	10.6	6.77	5.42	4.21	4.14	4.17
MAX	5.90	7.00	21.5	14.3	15.8	13.8	11.5	7.78	5.91	4.58	4.63	4.50
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2001	2001	2001	2001
MIN	5.90	7.00	4.43	5.97	6.78	7.83	9.66	5.75	4.93	3.84	3.65	3.84
(WY)	2002	2002	2001	2001	2001	2001	2001	2001	2002	2002	2002	2002

SUMMARY STATISTICS FOR 2001 CALENDAR YEAR FOR 2002 WATER YEAR WATER YEARS 2001 - 2002

ANNUAL TOTAL	2742.9	3453.2		
ANNUAL MEAN	7.51	9.46	9.46	
HIGHEST ANNUAL MEAN			9.46	2002
LOWEST ANNUAL MEAN			9.46	2002
HIGHEST DAILY MEAN	43	Dec 17	43	Dec 17 2001
LOWEST DAILY MEAN	3.1	Nov 11	3.1	Nov 11 2001
ANNUAL SEVEN-DAY MINIMUM	3.4	Nov 5	3.3	Jul 21 2002
ANNUAL RUNOFF (AC-FT)	5440	6850	6850	
ANNUAL RUNOFF (CFSM)	0.77	0.97	0.97	
ANNUAL RUNOFF (INCHES)	10.48	13.19	13.20	
10 PERCENT EXCEEDS	12	18	18	
50 PERCENT EXCEEDS	5.8	7.7	7.7	
90 PERCENT EXCEEDS	4.4	3.5	3.5	

e Estimated