

12158010 TULALIP CREEK ABOVE EAST BRANCH, NEAR TULALIP, WA

LOCATION.--Lat 48°05'51", long 122°17'17", 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. Elevation of gage is 2.8 ft below NGVD of 1929, from precision Global Positioning System (GPS).

REMARKS.--Records poor. Some natural regulation in lakes and beaver ponds in basin.

AVERAGE DISCHARGE.--3 years (water years 2002-04) 6.70 ft³/s, 9.34 in/yr, 4,850 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61 ft³/s, Dec. 16, 2001, gage height, 123.91; minimum daily discharge, 0.87 ft³/s, June 25, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30 ft³/s, Nov. 19, gage height, 123.74 ft; minimum daily discharge, 0.87 ft³/s, June 25.

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	3.6	3.1	4.2	5.1	12	4.6	8.7	e3.6	1.8	1.9	e3.1	e3.2
2	3.8	3.6	4.9	5.0	11	3.9	8.7	3.7	1.5	2.2	e3.1	e3.7
3	4.0	3.4	7.1	e4.7	10	5.7	8.3	4.0	1.4	2.7	e3.1	e3.3
4	4.1	3.2	6.3	e4.3	8.9	10	8.2	4.2	1.3	2.6	e3.0	e3.1
5	4.5	4.5	8.2	e4.0	9.2	11	7.9	4.1	1.6	2.5	e3.3	e3.1
6	5.2	3.8	10	e4.0	11	11	7.5	4.0	1.9	3.2	e3.5	e3.0
7	7.0	3.0	7.4	e5.0	12	11	7.3	4.4	1.9	e3.7	e3.7	e3.0
8	5.6	3.0	7.4	7.8	11	8.6	7.4	3.9	1.7	e3.1	e3.4	e3.0
9	5.8	3.2	5.7	7.5	8.9	6.9	7.4	4.2	1.7	e3.0	e3.3	e3.1
10	4.2	6.8	4.2	7.8	4.5	6.7	7.5	4.5	4.9	e3.3	e3.2	e3.1
11	4.5	7.4	4.6	7.4	4.2	6.5	6.9	4.3	2.4	e3.1	e3.1	e4.2
12	5.7	3.6	4.4	7.4	4.1	4.5	6.6	3.7	1.6	e3.1	e3.2	e5.0
13	5.5	3.2	4.2	7.5	4.7	2.7	6.8	3.8	2.7	e3.0	e3.2	e5.0
14	4.4	2.9	4.1	7.8	6.5	1.2	7.1	3.7	2.3	e3.0	e3.2	e5.8
15	5.1	4.1	3.7	8.3	7.8	0.98	7.1	3.6	1.8	e3.0	e3.2	e4.8
16	7.3	8.6	3.9	6.9	10	1.2	6.8	3.5	1.8	e3.0	e3.2	e4.9
17	12	11	3.8	4.8	8.6	3.7	5.6	3.6	1.9	e3.0	e3.3	e5.0
18	3.3	14	3.6	5.1	6.8	7.2	5.7	3.6	2.0	e3.0	e3.3	e4.5
19	3.8	17	3.6	5.0	8.3	8.4	5.5	3.4	2.1	e3.0	e3.2	e4.8
20	7.6	8.8	3.5	5.1	8.4	8.5	5.9	3.8	1.3	e2.9	e3.1	e4.1
21	7.1	5.1	3.6	5.2	8.5	8.9	6.5	4.1	1.0	e2.9	e3.3	e3.9
22	3.9	4.0	3.6	5.5	8.5	9.0	6.0	4.9	2.2	e3.0	e3.8	e3.8
23	8.6	4.5	3.2	7.0	8.6	8.5	5.5	4.3	2.6	e3.1	e3.7	e3.9
24	6.4	5.6	3.8	8.9	9.1	9.8	e5.2	3.9	2.1	e3.1	e3.6	e4.0
25	6.3	6.0	3.8	11	7.8	9.1	e5.2	4.2	0.87	e3.0	e6.0	e3.8
26	6.3	6.5	4.0	8.5	4.0	9.0	e5.0	6.3	1.1	e3.0	e5.0	e3.8
27	3.9	6.0	5.2	8.5	4.5	9.0	e4.8	8.0	1.3	e3.2	e3.9	e3.7
28	5.0	4.7	6.0	e8.5	4.5	9.1	e4.4	8.8	1.2	e3.1	e3.7	e3.8
29	6.8	3.4	e5.6	10	5.2	8.6	e4.2	2.5	0.94	e3.2	e3.6	e3.9
30	3.3	3.6	e5.6	13	---	9.3	e3.8	2.5	1.4	e3.2	e3.5	e3.7
31	3.1	---	5.6	12	---	8.6	---	2.6	---	e3.1	e3.3	---
TOTAL	167.7	167.6	154.8	218.6	228.6	223.18	193.5	129.7	54.31	92.2	108.1	118.0
MEAN	5.41	5.59	4.99	7.05	7.88	7.20	6.45	4.18	1.81	2.97	3.49	3.93
MAX	12	17	10	13	12	11	8.7	8.8	4.9	3.7	6.0	5.8
MIN	3.1	2.9	3.2	4.0	4.0	0.98	3.8	2.5	0.87	1.9	3.0	3.0
AC-FT	333	332	307	434	453	443	384	257	108	183	214	234
CFSM	0.56	0.57	0.51	0.72	0.81	0.74	0.66	0.43	0.19	0.31	0.36	0.40
IN.	0.64	0.64	0.59	0.83	0.87	0.85	0.74	0.50	0.21	0.35	0.41	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2004, BY WATER YEAR (WY)

MEAN	5.45	6.02	8.92	8.55	9.21	9.56	9.17	5.98	4.17	3.56	3.78	3.91
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	5.05	5.46	4.43	5.97	6.48	7.20	6.45	4.18	1.81	2.85	3.34	3.38
(WY)	(2003)	(2003)	(2001)	(2001)	(2003)	(2004)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)

TULALIP AND MISSION CREEK BASINS

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 2001 - 2004
ANNUAL TOTAL	2,054.4	1,856.29	
ANNUAL MEAN	5.63	5.07	6.70
HIGHEST ANNUAL MEAN			9.46
LOWEST ANNUAL MEAN			5.07
HIGHEST DAILY MEAN	17	Nov 19	43 Dec 17, 2001
LOWEST DAILY MEAN	2.2	Jul 23	0.87 Jun 25, 2004
ANNUAL SEVEN-DAY MINIMUM	2.4	Jul 20	1.2 Jun 25, 2004
ANNUAL RUNOFF (AC-FT)	4,070	3,680	4,850
ANNUAL RUNOFF (CFSM)	0.578	0.521	0.688
ANNUAL RUNOFF (INCHES)	7.85	7.09	9.34
10 PERCENT EXCEEDS	9.0	8.7	13
50 PERCENT EXCEEDS	5.2	4.2	5.1
90 PERCENT EXCEEDS	3.0	2.6	3.1

e Estimated