12158032 EAST BRANCH TULALIP CREEK NEAR MOUTH, NEAR TULALIP, WA

Puget Sound Basin
Puget Sound Subbasin

LOCATION.--Lat 48°05′42″, long 122°16′37″ referenced to North American Datum of 1927, in SW ¼ SE ¼ sec.10, T.30 N., R.4 E., Snohomish County, WA, Hydrologic Unit 17110019, Tulalip Indian Reservation, on right bank 200 ft from gate, 1.9 mi north of Tulalip and 0.7 mi above mouth. Prior to Feb. 13, 2006, at site 0.1 mi downstream.

DRAINAGE AREA.--1.66 mi^2, Prior to Feb. 13, 2006, 1.75 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--September 1960, October 1974 to August 1977 and November 2000 to May 2002 (discharge measurements). May 2002 to current year.

REVISED RECORDS.--WDR-WA-2008: 2002-05 (maximum gage heights).

GAGE.--Water-stage recorder. Elevation of gage is 170 ft above NGVD of 1929, from topographic map. Prior to Feb. 13, 2006 at site 0.1 mi downstream at datum 90.26 ft above NGVD of 1929, from precision Global Positioning System (GPS).

REMARKS.--Records fair, except for estimated daily discharges, which are poor. Some natural regulation from beaver ponds.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--11 years (water year 2001-2011), 2.48 ft^3/s, 20.32 in/yr, 1,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36.0 ft^3/s, Apr. 3, 2008, gage height 0.49 ft, site and datum then in use; Maximum gage height, 39.96 ft, Jan. 4, 2003 and Nov. 2, 2004, site and datum then in use; minimum discharge, 0.21 ft^3/s, Mar. 03, 22, 2008.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 29 ft^3/s, Jan. 21 ; minimum daily discharge, 1.4 ft^3/s, Oct. 13-18.

Suggested citation: U.S. Geological Survey, 2012, Water-resources data for the United States, Water Year 2011: U.S. Geological Survey Water-Data Report WDR-US-2011, site 12158032, accessed at http://wdr.water.usgs.gov/wy2011/pdfs/12158032.2011.pdf

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2010 TO SEPTEMBER 2011
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e2.4	e2.6	e3.0	1.6	2.8	2.9	9.0	2.7	2.9	2.4	2.0	2.0
2	e2.4	e2.7	e2.6	1.6	2.7	3.1	9.1	5.1	3.0	2.3	2.0	1.9
3	e2.2	e2.2	e2.4	1.6	2.5	3.0	6.8	4.3	2.8	2.5	1.9	1.9
4	e2.4	e2.1	e2.3	1.6	3.1	3.1	5.6	3.3	2.6	2.4	1.9	1.9
5	e2.2	e2.1	e2.3	1.8	2.7	3.8	5.8	2.9	2.6	2.3	2.0	1.9
6	e2.4	e2.2	e2.2	1.8	3.0	7.3	5.5	3.5	2.6	2.3	2.0	1.9
7	e2.2	e3.0	e2.3	2.4	3.0	3.6	5.4	3.8	3.0	2.4	2.0	1.9
8	e2.4	e3.4	2.9	2.3	2.9	2.6	4.4	3.2	3.0	2.5	2.0	1.9
9	e2.6	e3.2	2.3	2.4	2.7	2.4	4.1	2.8	2.7	2.3	2.0	1.9
10	e3.2	e2.6	2.3	2.6	2.8	3.1	3.7	2.7	2.7	2.3	2.0	1.9
11	e2.4	e2.4	2.1	2.9	2.9	2.6	3.7	2.9	2.6	2.3	2.0	1.9
12	e2.0	e2.6	2.6	3.3	3.4	3.2	5.9	2.8	2.6	2.3	1.9	1.9
13	1.4	e2.4	2.5	4.0	3.3	4.9	4.1	2.6	2.7	2.3	2.0	2.0
14	1.4	e2.8	3.1	4.4	4.6	10	3.2	2.9	2.6	2.4	2.0	2.0
15	1.4	e2.9	2.8	5.9	5.3	12	3.0	5.8	2.8	2.4	1.9	2.0
16	1.4	e3.0	2.6	5.5	4.8	10	3.4	4.0	2.5	2.5	1.9	2.0
17	1.4	e3.1	2.6	5.8	4.5	11	7.0	3.6	2.4	2.4	1.9	2.0
18	1.4	e3.8	2.5	7.3	3.6	11	4.4	3.2	2.6	2.2	2.0	2.2
19	1.5	e2.9	3.0	5.2	3.4	10	3.1	7.0	2.5	2.2	1.9	2.1
20	1.6	e2.6	3.0	4.7	3.1	7.0	2.8	3.1	2.4	2.2	1.9	2.1
21	e1.8	e2.4	2.1	13	3.2	5.1	2.9	3.8	2.3	2.3	1.9	2.1
22	e1.8	e2.3	2.3	13	3.4	4.4	2.7	4.6	2.4	2.3	2.1	2.1
23	e1.8	e2.3	2.3	9.2	3.4	3.7	2.7	3.9	2.3	2.1	2.0	2.1
24	e2.7	e2.1	2.3	7.3	3.2	3.3	2.8	3.2	2.5	2.1	2.0	2.1
25	e2.6	e2.2	4.3	5.6	3.0	3.1	3.5	2.9	2.4	2.2	1.9	2.1
26	e2.2	e2.5	2.7	3.7	3.0	3.0	3.2	2.9	2.3	2.2	1.9	2.3
27	e2.1	e2.7	1.7	3.4	3.1	3.0	2.9	2.7	2.3	2.1	1.9	2.4
28	e2.0	e2.9	1.8	3.0	3.2	2.8	2.8	2.7	2.3	2.1	1.9	2.2
29	e2.0	e2.6	1.7	2.9	---	2.9	2.8	2.7	2.4	2.0	1.9	2.2
30	e1.9	e2.6	1.6	6.1	---	3.5	2.7	2.6	2.5	2.0	2.0	2.2
31	e2.2	---	1.6	4.6	---	6.3	---	2.7	---	2.1	2.0	---
Total	63.4	79.2	75.8	140.5	92.6	157.7	129.0	106.9	77.3	70.4	60.7	61.1
Mean	2.05	2.64	2.45	4.53	3.31	5.09	4.30	3.45	2.58	2.27	1.96	2.04
Max	3.2	3.8	4.3	13	5.3	12	9.1	7.0	3.0	2.5	2.1	2.4
Min	1.4	2.1	1.6	1.6	2.5	2.4	2.7	2.6	2.3	2.0	1.9	1.9
Ac-ft	126	157	150	279	184	313	256	212	153	140	120	121
Cfsm	1.23	1.59	1.47	2.73	1.99	3.06	2.59	2.08	1.55	1.37	1.18	1.23
In.	1.42	1.77	1.70	3.15	2.08	3.53	2.89	2.40	1.73	1.58	1.36	1.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	2.11	2.55	2.93	3.75	2.63	2.72	2.97	2.26	2.15	1.81	1.80	1.86
Max	2.66	3.54	5.11	10.2	3.39	5.09	4.30	3.45	3.72	2.55	2.20	2.53
(WY)	(2009)	(2009)	(2009)	(2009)	(2004)	(2011)	(2011)	(2011)	(2010)	(2002)	(2002)	(2002)
Min	1.80	1.87	2.20	2.17	1.94	1.08	1.95	1.69	1.62	1.38	1.45	1.49
(WY)	(2007)	(2010)	(2010)	(2004)	(2005)	(2008)	(2004)	(2006)	(2004)	(2005)	(2005)	(2005)

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SUMMARY STATISTICS

	Calendar Year 2010		Water Year 2011		Water Years 2001 - 2011	
Annual total	968.6		1,114.6			
Annual mean	2.65		3.05		2.48	
Highest annual mean					3.17	2009
Lowest annual mean					2.06	2004
Highest daily mean	6.5	Jan 17	13	Jan 21	35	Jan 8, 2009
Lowest daily mean	1.4	Oct 13	1.4	Oct 13	0.40	Mar 2, 2008
Annual seven-day minimum	1.4	Oct 13	1.4	Oct 13	0.58	Feb 26, 2008
Annual runoff (ac-ft)	1,920		2,210		1,800	
Annual runoff (cfsm)	1.60		1.84		1.50	
Annual runoff (inches)	21.71		24.98		20.32	
10 percent exceeds	3.8		4.7		3.6	
50 percent exceeds	2.6		2.6		2.2	
90 percent exceeds	1.8		1.9		1.5