

Water-Data Report 2011

12202400 EUCLID CREEK AT EUCLID AVENUE, AT BELLINGHAM, WA

Puget Sound Basin
Strait of Georgia Subbasin

LOCATION.--Lat 48°44'56", long 122°24'29" referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.27, T.38 N., R.3 E., Whatcom County, WA, Hydrologic Unit 17110002, on left bank 50 ft upstream from Euclid Avenue, 3.2 mi east of the City of Bellingham, and 320 ft upstream from mouth at Lake Whatcom.

DRAINAGE AREA.--0.54 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 320 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records fair, except daily discharges above 30 ft³/s, which are poor. Natural flow may be affected by upstream urbanization.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--10 years (water year 2002-2011) 0.54 ft³/s, 13.57 in/yr, 391 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded discharge, 145 ft³/s, Nov. 13, 2006; gage height, 5.63 ft; minimum discharge, no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 16 ft³/s, Dec. 12, gage height, 4.46 ft; minimum discharge, no flow on many days in October, July, August and September.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.64	0.25	0.34	0.40	0.54	1.6	1.0	0.16	0.05	0.01	0.00
2	0.00	0.30	0.16	0.33	0.38	1.2	1.7	1.3	0.14	0.05	0.01	0.00
3	0.00	0.06	0.11	0.28	0.46	1.3	1.0	0.89	0.13	0.05	0.01	0.00
4	0.00	0.03	0.07	0.29	0.85	0.91	2.8	0.68	0.17	0.06	0.00	0.00
5	0.00	0.03	0.06	0.97	0.59	0.73	3.5	0.67	0.11	0.05	0.01	0.00
6	0.00	0.03	0.05	2.8	0.73	0.60	3.0	0.72	0.11	0.04	0.01	0.00
7	0.00	0.05	0.06	4.5	0.72	0.51	1.5	0.80	0.13	0.03	0.01	0.00
8	0.00	0.04	1.0	2.6	0.57	0.54	0.78	0.65	0.11	0.05	0.00	0.00
9	0.02	0.03	1.6	1.5	0.50	0.79	0.56	0.63	0.10	0.03	0.00	0.00
10	0.06	0.02	1.0	0.97	0.45	1.2	0.49	0.59	0.09	0.03	0.00	0.00
11	0.01	0.03	0.78	0.78	0.42	0.79	0.50	2.7	0.09	0.02	0.00	0.00
12	0.00	0.02	8.8	2.8	0.71	2.2	0.46	4.4	0.08	0.04	0.00	0.00
13	0.00	0.04	6.2	4.1	0.59	1.5	0.58	1.7	0.08	0.06	0.00	0.00
14	0.00	0.07	5.4	3.7	0.60	0.94	1.1	0.81	0.07	0.07	0.00	0.00
15	0.00	0.25	3.3	3.1	0.55	1.4	0.82	0.90	0.11	0.04	0.00	0.00
16	0.00	0.19	2.0	4.2	0.52	2.7	0.61	0.96	0.07	0.12	0.00	0.00
17	0.00	0.42	1.3	5.2	0.56	1.2	0.50	0.55	0.06	0.09	0.00	0.00
18	0.00	0.71	1.1	2.7	0.44	0.79	0.47	0.44	0.12	0.05	0.00	0.00
19	0.00	0.31	0.84	1.4	0.41	0.94	0.42	0.37	0.08	0.03	0.00	0.00
20	0.00	0.18	0.64	1.2	0.37	0.59	0.36	0.38	0.07	0.03	0.00	0.00
21	0.00	0.10	0.51	4.8	0.38	0.49	0.38	0.37	0.06	0.11	0.00	0.00
22	0.00	0.06	0.43	2.7	0.35	0.40	0.32	0.26	0.06	0.04	0.19	0.02
23	0.01	0.04	0.47	1.5	0.32	0.36	0.31	0.25	0.06	0.03	0.17	0.00
24	0.04	0.02	0.45	2.1	0.28	0.33	0.31	0.23	0.05	0.03	0.06	0.00
25	0.09	0.02	0.42	1.7	0.26	0.30	0.46	0.25	0.05	0.03	0.00	0.02
26	0.02	0.36	0.71	1.1	0.27	0.27	0.37	0.31	0.05	0.03	0.00	0.10
27	0.01	0.36	0.77	0.76	0.45	0.26	1.8	0.25	0.06	0.02	0.00	0.05
28	0.01	0.13	0.69	0.63	0.65	0.22	5.5	0.23	0.06	0.01	0.00	0.01
29	0.01	0.11	0.54	0.62	---	0.24	3.1	0.19	0.07	0.01	0.00	0.01
30	0.01	0.38	0.44	0.52	---	1.2	1.6	0.22	0.06	0.01	0.00	0.01
31	0.08	---	0.39	0.49	---	1.9	---	0.23	---	0.01	0.01	---
Total	0.37	5.03	40.54	60.68	13.78	27.34	36.90	23.93	2.66	1.32	0.49	0.22
Mean	0.01	0.17	1.31	1.96	0.49	0.88	1.23	0.77	0.09	0.04	0.02	0.01
Max	0.09	0.71	8.8	5.2	0.85	2.7	5.5	4.4	0.17	0.12	0.19	0.10
Min	0.00	0.02	0.05	0.28	0.26	0.22	0.31	0.19	0.05	0.01	0.00	0.00
Ac-ft	0.7	10	80	120	27	54	73	47	5.3	2.6	1.0	0.4
Cfsm	0.02	0.31	2.42	3.62	0.91	1.63	2.28	1.43	0.16	0.08	0.03	0.01
In.	0.03	0.35	2.79	4.18	0.95	1.88	2.54	1.65	0.18	0.09	0.03	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2011, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.25	1.18	1.01	1.54	0.73	0.82	0.55	0.23	0.11	0.02	0.01	0.03
Max	0.82	3.84	2.26	3.29	1.38	1.83	1.23	0.77	0.42	0.06	0.05	0.14
(WY)	(2010)	(2005)	(2002)	(2009)	(2006)	(2007)	(2011)	(2011)	(2008)	(2010)	(2004)	(2004)
Min	0.00	0.17	0.31	0.70	0.23	0.51	0.10	0.02	0.01	0.00	0.00	0.00
(WY)	(2007)	(2003)	(2010)	(2004)	(2009)	(2003)	(2004)	(2005)	(2003)	(2004)	(2002)	(2002)

12202400 EUCLID CREEK AT EUCLID AVENUE, AT BELLINGHAM, WA—Continued**SUMMARY STATISTICS**

	Calendar Year 2010	Water Year 2011	Water Years 2002 - 2011	
Annual total	155.01	213.26		
Annual mean	0.42	0.58	0.54	
Highest annual mean			0.79	2005
Lowest annual mean			0.26	2003
Highest daily mean	8.8	Dec 12	8.8	Dec 12
Lowest daily mean	0.00	Aug 15	0.00	Oct 1
Annual seven-day minimum	0.00	Aug 15	0.00	Oct 1
Maximum peak flow			61	Dec 14, 2001
Maximum peak stage			4.86	Dec 14, 2001
Annual runoff (ac-ft)	307	423	391	
Annual runoff (cfs-m)	0.786	1.08	0.999	
Annual runoff (inches)	10.68	14.69	13.57	
10 percent exceeds	0.97	1.5	1.3	
50 percent exceeds	0.22	0.22	0.17	
90 percent exceeds	0.00	0.00	0.00	

