Water-Data Report 2008

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 mi^2.

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.--Records fair, except estimated discharges and those above 30 ft^3/s, which are poor. Natural flow may be affected by upstream urbanization.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--7 years (water year 2002-08) 0.53 ft^3/s, 13.27 in/yr, 382 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum recorded discharge, 145 ft^3/s, Nov. 13, 2006; gage height, 5.63 ft; minimum discharge, no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8.4 ft^3/s, June 9, gage height, 4.24 ft; minimum discharge, no flow on many days in July, August and September.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.06	0.07	0.12	0.71	0.98	0.29	1.2	0.24	0.16	0.02	0.00	0.00
2	0.12	0.06	0.59	1.4	0.93	0.17	0.98	0.22	0.15	0.02	0.00	0.00
3	0.04	0.10	3.9	0.96	0.68	0.28	0.81	0.25	0.37	0.03	0.00	0.00
4	0.08	0.09	1.8	0.83	0.55	0.22	0.76	0.24	0.99	0.02	0.00	0.00
5	0.04	0.08	1.0	0.63	1.5	0.18	0.64	0.23	0.59	0.01	0.00	0.00
6	0.04	0.10	0.67	0.57	1.7	0.16	0.71	0.22	1.3	0.01	0.00	0.00
7	0.14	0.11	0.45	0.47	2.5	0.20	0.71	0.21	0.70	0.01	0.00	0.00
8	0.05	0.15	0.28	0.56	1.7	0.19	0.73	0.20	0.49	0.01	0.00	0.00
9	0.04	0.27	0.21	0.66	1.8	0.15	0.64	0.19	1.2	0.01	0.00	0.00
10	0.04	0.21	0.16	1.7	1.5	0.31	0.66	0.35	1.6	0.01	0.00	0.00
11	0.05	0.14	0.14	1.6	1.3	0.62	0.54	0.38	0.89	0.01	0.00	0.00
12	0.04	0.26	0.13	1.5	1.1	0.43	0.49	0.26	0.59	0.00	0.00	0.00
13	0.03	0.13	0.52	1.6	0.92	0.37	0.44	0.33	0.45	0.00	0.00	0.00
14	0.03	0.12	0.67	2.3	0.74	0.35	0.38	0.55	0.36	0.00	0.00	0.00
15	0.04	0.19	1.3	1.9	0.77	0.36	0.35	0.41	0.31	0.00	0.00	0.00
16	0.11	0.47	0.99	1.3	0.72	0.49	0.32	0.34	0.27	0.00	0.00	0.00
17	0.06	0.37	1.1	0.96	0.60	0.76	0.30	0.30	0.25	0.00	0.00	0.00
18	0.08	0.30	1.1	0.76	0.52	0.57	0.27	0.26	0.24	0.00	0.00	0.00
19	0.55	0.24	2.5	1.4	0.43	0.45	0.27	0.25	0.22	0.00	0.01	0.00
20	0.11	0.18	1.6	0.95	0.36	0.62	0.26	0.42	0.21	0.00	0.02	0.01
21	0.15	0.13	0.92	0.68	0.31	0.69	0.24	0.29	0.20	0.00	0.01	0.00
22	0.21	0.09	1.5	0.55	0.27	0.49	0.24	0.25	0.18	0.00	0.00	0.00
23	0.11	0.08	1.6	0.46	0.22	3.1	0.22	0.24	0.17	0.00	0.00	0.00
24	0.17	0.08	1.2	0.39	0.18	2.3	0.22	0.23	0.16	0.00	0.04	0.00
25	0.12	0.08	1.0	0.31	0.14	1.4	0.21	0.20	0.15	0.00	0.00	0.00
26	0.09	0.30	1.2	0.30	0.12	2.0	0.20	0.25	0.14	0.00	0.01	0.00
27	0.08	0.30	1.2	0.29	0.11	1.4	0.20	0.21	0.11	0.00	0.01	0.00
28	0.07	0.21	2.7	0.23	0.10	1.3	0.21	0.19	0.08	0.00	0.00	0.00
29	0.10	0.17	2.1	0.37	0.24	1.9	0.40	0.18	0.06	0.00	0.00	0.00
30	0.08	0.14	1.3	0.39	---	1.8	0.27	0.17	0.04	0.00	0.00	0.00
31	0.07	---	0.89	0.88	---	1.5	---	0.16	---	0.00	0.00	---
Total	3.00	5.22	34.84	27.61	22.99	25.05	13.87	8.22	12.63	0.16	0.10	0.01
Mean	0.10	0.17	1.12	0.89	0.79	0.81	0.46	0.27	0.42	0.01	0.00	0.00
Max	0.55	0.47	3.9	2.3	2.5	3.1	1.2	0.55	1.6	0.03	0.04	0.01
Min	0.03	0.06	0.12	0.23	0.10	0.15	0.20	0.16	0.04	0.00	0.00	0.00
Ac-ft	6.0	10	69	55	46	50	28	16	25	0.3	0.2	0.02
Cfsm	0.18	0.32	2.08	1.65	1.47	1.50	0.86	0.49	0.78	0.01	0.01	0.00
In.	0.21	0.36	2.40	1.90	1.58	1.73	0.96	0.57	0.87	0.01	0.01	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2008, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.24	1.26	1.11	1.30	0.88	0.84	0.46	0.10	0.10	0.01	0.01	0.03
Max	0.77	3.84	2.26	2.05	1.38	1.83	0.85	0.27	0.42	0.05	0.05	0.14
(WY)	(2004)	(2005)	(2002)	(2006)	(2006)	(2007)	(2005)	(2008)	(2008)	(2006)	(2004)	(2004)
Min	0.00	0.17	0.37	0.70	0.37	0.51	0.10	0.02	0.01	0.00	0.00	0.00
(WY)	(2007)	(2003)	(2003)	(2004)	(2004)	(2003)	(2004)	(2005)	(2003)	(2004)	(2002)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 2002 - 2008	
Annual total	189.99		153.70			
Annual mean	0.52		0.42		0.53	
Highest annual mean					0.79	2005
Lowest annual mean					0.26	2003
Highest daily mean	10	Jan 7	3.9	Dec 3	40	Nov 25, 2004
Lowest daily mean	0.00	Jul 8	0.00	Jul 12	0.00	Jul 1, 2002
Annual seven-day minimum	0.00	Jul 8	0.00	Jul 12	0.00	Jul 1, 2002
Maximum peak flow					61	Dec 14, 2001
Maximum peak stage					4.86	Dec 14, 2001
Annual runoff (ac-ft)	377		305		382	
Annual runoff (cfsm)	0.964		0.778		0.977	
Annual runoff (inches)	13.09		10.59		13.27	
10 percent exceeds	1.3		1.3		1.3	
50 percent exceeds	0.08		0.21		0.15	
90 percent exceeds	0.00		0.00		0.00