



Water-Data Report 2011

12202450 SILVER BEACH CREEK AT MAYNARD PLACE, AT BELLINGHAM, WA

Puget Sound Basin
Strait of Georgia Subbasin

LOCATION.--Lat 48°46'10", long 122°24'19" referenced to North American Datum of 1927, in SW ¼ NE ¼ sec.22, T.38 N., R.3 E., Whatcom County, WA, Hydrologic Unit 17110002, on left bank at Maynard Place subdivision, 3.5 mi east of Post Office in Bellingham, and 0.1 m upstream from mouth at Lake Whatcom.

DRAINAGE AREA.--1.20 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.--Records fair except for estimated daily discharges, Nov. 22-23, Feb. 25-26, which are poor. Probably some diversion upstream for domestic use, and other effects from urbanization.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--10 years (water year 2002-2011) 1.34 ft³/s, 15.12 in/yr, 968 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71 ft³/s, Nov. 24, 2004, gage height, 6.58 ft; minimum discharge, no flow, many days June-July 2004, July-October 2008 and August-September 2011.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 57 ft³/s, Dec 12, gage height, 5.61 ft; minimum discharge, no flow many days through the year.

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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	0.27	5.1	2.9	1.0	1.1	1.6	6.5	2.0	0.64	0.14	0.25	0.03
2	0.23	3.2	2.0	1.0	0.97	2.5	5.9	2.9	0.55	0.15	0.28	0.06
3	0.22	0.93	1.4	0.95	1.7	2.0	3.2	2.1	0.51	0.15	0.20	0.07
4	0.19	0.59	1.2	0.96	4.9	1.5	6.4	1.7	0.35	0.12	0.19	0.06
5	0.14	0.65	0.97	2.0	2.3	1.2	5.2	1.9	0.32	0.12	0.19	0.02
6	0.15	0.64	0.88	7.7	3.0	1.0	4.4	2.8	0.36	0.12	0.23	0.04
7	0.13	0.83	1.3	9.1	2.8	0.94	2.3	3.4	0.33	0.14	0.23	0.04
8	0.13	0.69	13	5.0	1.9	1.3	1.6	2.3	0.28	0.14	0.18	0.03
9	0.43	0.49	12	3.6	1.5	2.0	1.2	1.8	0.40	0.14	0.20	0.03
10	1.1	0.41	6.6	2.5	1.4	2.7	1.0	1.5	0.34	0.22	0.22	0.04
11	0.28	0.43	5.0	1.9	1.3	1.7	1.1	9.2	0.32	0.14	0.21	0.03
12	0.18	0.40	35	7.4	2.8	3.1	0.78	8.2	0.29	0.14	0.21	0.03
13	0.16	0.57	12	7.4	2.4	2.1	1.1	3.5	0.29	0.16	0.14	0.02
14	0.12	0.81	9.5	7.5	2.1	1.6	2.4	2.7	0.30	0.23	0.18	0.08
15	0.13	3.2	4.8	5.6	1.7	2.3	1.3	3.0	0.61	0.24	0.15	0.04
16	0.12	2.8	3.2	12	1.4	4.3	1.1	4.0	0.29	0.33	0.15	0.04
17	0.09	3.2	2.6	15	1.4	2.0	0.87	2.4	0.27	0.32	0.10	0.02
18	0.09	6.9	2.3	6.8	1.1	1.5	0.89	1.6	0.84	0.33	0.12	0.03
19	0.08	3.4	2.1	4.5	1.0	2.7	1.1	1.3	0.34	0.22	0.11	0.02
20	0.08	2.4	1.9	4.2	0.86	1.4	0.79	1.1	0.25	0.16	0.10	0.03
21	0.08	1.4	2.0	15	0.83	1.1	1.8	1.2	0.22	0.73	0.14	0.04
22	0.07	e0.90	1.5	7.0	1.0	0.94	0.99	0.95	0.19	0.42	0.17	0.08
23	0.11	e0.60	1.5	4.3	0.90	0.80	0.80	0.74	0.19	0.41	0.16	0.08
24	0.65	0.48	1.5	7.0	0.76	0.69	0.68	0.68	0.21	0.26	0.11	0.08
25	0.63	0.58	1.6	4.6	e0.65	0.61	1.3	0.74	0.22	0.29	0.13	0.11
26	0.33	4.9	2.1	3.1	e0.60	0.53	1.0	1.5	0.13	0.30	0.07	0.28
27	0.20	4.2	1.9	2.3	1.0	0.51	4.7	0.99	0.19	0.25	0.10	0.25
28	0.17	2.0	1.7	2.0	1.9	0.44	6.2	0.70	0.23	0.29	0.07	0.09
29	0.15	1.5	1.5	2.1	---	0.43	3.1	0.63	0.18	0.22	0.04	0.06
30	0.13	4.1	1.2	1.6	---	8.0	2.3	0.64	0.15	0.27	0.13	0.08
31	0.88	---	1.0	1.3	---	7.9	---	0.69	---	0.27	0.09	---
Total	7.72	58.30	138.15	156.41	45.27	61.39	72.00	68.86	9.79	7.42	4.85	1.91
Mean	0.25	1.94	4.46	5.05	1.62	1.98	2.40	2.22	0.33	0.24	0.16	0.06
Max	1.1	6.9	35	15	4.9	8.0	6.5	9.2	0.84	0.73	0.28	0.28
Min	0.07	0.40	0.88	0.95	0.60	0.43	0.68	0.63	0.13	0.12	0.04	0.02
Ac-ft	15	116	274	310	90	122	143	137	19	15	9.6	3.8
Cfsm	0.21	1.62	3.71	4.20	1.35	1.65	2.00	1.85	0.27	0.20	0.13	0.05
In.	0.24	1.81	4.28	4.85	1.40	1.90	2.23	2.13	0.30	0.23	0.15	0.06

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	0.73	2.51	2.54	3.63	2.18	1.62	1.40	0.81	0.36	0.10	0.08	0.12
Max	3.31	5.80	4.47	5.73	9.40	2.66	3.01	2.22	1.12	0.31	0.24	0.39
(WY)	(2004)	(2005)	(2002)	(2009)	(2002)	(2007)	(2005)	(2011)	(2008)	(2007)	(2004)	(2004)
Min	0.06	0.39	0.72	2.32	0.57	0.62	0.31	0.21	0.03	0.00	0.02	0.02
(WY)	(2007)	(2003)	(2003)	(2008)	(2009)	(2006)	(2004)	(2005)	(2004)	(2004)	(2010)	(2008)

12202450 SILVER BEACH CREEK AT MAYNARD PLACE, AT BELLINGHAM, WA—Continued**SUMMARY STATISTICS**

	Calendar Year 2010	Water Year 2011	Water Years 2002 - 2011	
Annual total	482.03	632.07		
Annual mean	1.32	1.73	1.34	
Highest annual mean			1.97	2002
Lowest annual mean			0.75	2003
Highest daily mean	35 Dec 12	35 Dec 12	68 Feb 22, 2002	
Lowest daily mean	0.00 Aug 23	0.02 Sep 5	0.00 Jun 5, 2004	
Annual seven-day minimum	0.00 Aug 23	0.03 Sep 7	0.00 Jul 4, 2004	
Maximum peak flow			68 Feb 22, 2003	
Maximum peak stage			5.57 Feb 22, 2002	
Annual runoff (ac-ft)	956	1,250	968	
Annual runoff (cfsm)	1.10	1.44	1.11	
Annual runoff (inches)	14.94	19.59	15.12	
10 percent exceeds	3.1	4.5	3.1	
50 percent exceeds	0.70	0.80	0.60	
90 percent exceeds	0.02	0.09	0.03	

