

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

LOCATION.--Lat 48°46'10", long 122°24'19", in SW<sup>1/4</sup>NE<sup>1/4</sup> sec.22, T.38 N., R.3 E., Whatcom County, 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 mi<sup>2</sup>.

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, which are poor. Probably some diversion upstream for domestic use, and other effects from urbanization.

AVERAGE DISCHARGE.--4 years (water year 2002-05) 1.48 ft<sup>3</sup>/s, 16.76 in/yr, 1,070 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71 ft<sup>3</sup>/s, Nov. 24, 2004, gage height, 6.58 ft; minimum discharge, no flow, many days June and July 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 71 ft<sup>3</sup>/s, Nov. 24, gage height, 6.58 ft; minimum discharge, 0.01 ft<sup>3</sup>/s, on July, 23, 24, 27, 29, 31, and Aug. 3-9, 11-16, minimum gage height, 4.17 ft, Oct. 1-5, 7-8.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	4.2	1.7	1.2	0.85	0.55	4.0	0.32	0.15	0.06	0.05	0.05
2	0.18	15	1.5	0.96	0.77	0.42	2.1	0.30	0.12	0.06	0.03	0.04
3	0.17	4.2	1.4	0.83	0.79	0.40	2.4	0.31	0.09	0.05	0.02	0.04
4	0.16	2.4	3.7	0.70	11	0.53	2.0	0.31	0.08	0.04	0.02	0.05
5	0.28	1.8	10	0.59	2.7	0.53	1.5	0.26	0.23	0.09	0.02	0.04
6	0.29	6.7	3.2	0.67	6.3	0.41	1.3	0.21	0.12	0.27	0.02	0.04
7	0.18	5.3	3.5	0.68	4.2	0.43	2.2	0.18	0.12	0.10	0.02	0.04
8	6.1	3.2	3.1	0.59	2.3	0.41	1.6	0.18	0.24	0.13	0.02	0.04
9	4.3	2.3	5.5	0.48	1.9	0.50	1.1	0.34	0.14	0.44	0.02	0.04
10	2.0	1.8	22	0.44	1.7	0.42	1.0	0.20	0.11	0.11	0.05	0.07
11	1.3	1.5	15	0.45	1.5	0.40	12	0.18	0.10	0.08	0.02	0.05
12	0.99	1.3	5.7	0.57	1.6	0.37	14	0.15	0.18	0.05	0.02	0.05
13	0.81	1.1	3.2	0.49	1.4	0.33	4.3	0.14	0.10	0.04	0.02	0.05
14	0.72	1.8	5.0	0.42	1.3	0.31	2.4	0.19	0.09	0.03	0.02	0.06
15	0.69	3.8	2.6	0.44	1.1	0.30	2.2	0.23	0.07	0.05	0.02	0.05
16	0.92	2.6	2.0	1.6	0.97	0.70	14	0.40	0.07	0.04	0.02	0.13
17	1.8	1.9	1.9	0.85	0.51	8.2	0.36	0.12	0.03	0.73	0.09	
18	2.0	7.9	2.0	25	0.78	0.41	3.5	0.32	0.10	0.03	0.10	0.08
19	1.3	5.3	1.6	19	0.70	0.77	2.2	0.26	0.08	0.02	0.07	0.07
20	1.0	3.0	1.3	21	0.59	4.4	1.7	0.20	0.07	0.03	0.04	0.06
21	1.2	2.3	1.1	13	0.54	e2.4	1.3	0.18	0.14	0.03	0.03	0.06
22	1.2	2.3	0.93	11	0.50	e1.3	1.1	0.17	0.16	0.03	0.03	0.06
23	1.5	3.4	0.81	5.5	0.48	e0.80	0.87	0.14	0.09	0.02	0.03	0.07
24	1.2	36	0.76	2.9	0.44	e0.62	0.70	0.13	0.08	0.02	0.03	0.06
25	1.0	27	7.2	2.2	0.43	e0.56	0.58	0.13	0.20	0.02	0.04	0.07
26	0.87	12	4.6	1.8	0.41	e0.88	0.55	0.12	0.10	0.02	0.04	0.07
27	0.75	6.7	2.1	1.5	0.40	e0.80	0.47	0.11	0.16	0.02	0.04	0.08
28	0.73	2.7	1.7	1.3	0.39	e1.4	0.40	0.10	0.10	0.03	0.28	0.08
29	0.77	2.2	1.8	1.0	---	e1.9	0.39	0.10	0.09	0.02	0.15	0.92
30	1.4	2.4	1.8	1.1	---	e1.7	0.36	0.10	0.07	0.02	0.08	0.22
31	0.86	---	1.6	1.1	---	1.4	---	0.15	---	0.02	0.07	---
TOTAL	36.86	174.1	120.30	137.51	46.89	26.86	90.42	6.47	3.57	2.00	2.15	2.83
MEAN	1.19	5.80	3.88	4.44	1.67	0.87	3.01	0.21	0.12	0.06	0.07	0.09
MAX	6.1	36	22	25	11	4.4	14	0.40	0.24	0.44	0.73	0.92
MIN	0.16	1.1	0.76	0.42	0.39	0.30	0.36	0.10	0.07	0.02	0.02	0.04
AC-FT	73	345	239	273	93	53	179	13	7.1	4.0	4.3	5.6
CFSM	0.99	4.84	3.23	3.70	1.40	0.72	2.51	0.17	0.10	0.05	0.06	0.08
IN.	1.14	5.40	3.73	4.26	1.45	0.83	2.80	0.20	0.11	0.06	0.07	0.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

MEAN	1.24	3.07	2.75	3.41	3.51	1.54	1.63	0.35	0.09	0.06	0.10	0.15
MAX	3.31	5.80	4.47	4.44	9.40	2.08	3.01	0.55	0.12	0.11	0.24	0.39
(WY)	(2004)	(2005)	(2002)	(2005)	(2002)	(2002)	(2005)	(2003)	(2005)	(2002)	(2004)	(2004)
MIN	0.11	0.39	0.72	2.43	1.52	0.87	0.31	0.21	0.03	0.00	0.02	0.04
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2005)	(2004)	(2005)	(2004)	(2004)	(2003)	(2003)

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SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 2002 - 2005	
ANNUAL TOTAL	557.80		649.96		1.48	
ANNUAL MEAN	1.52		1.78		1.97	2002
HIGHEST ANNUAL MEAN					0.75	2003
LOWEST ANNUAL MEAN					68	Feb 22, 2002
HIGHEST DAILY MEAN	36	Nov 24	36	Nov 24	0.00	Jun 5, 2004
LOWEST DAILY MEAN	0.00	Jun 5	0.02	Jul 19	0.00	Jul 4, 2004
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 4	0.02	Aug 3	0.00	Feb 22, 2003
MAXIMUM PEAK FLOW					68	Feb 22, 2002
MAXIMUM PEAK STAGE					5.57	
ANNUAL RUNOFF (AC-FT)	1,110		1,290		1,070	
ANNUAL RUNOFF (CFSM)	1.27		1.48		1.23	
ANNUAL RUNOFF (INCHES)	17.29		20.15		16.76	
10 PERCENT EXCEEDS	3.5		4.2		3.3	
50 PERCENT EXCEEDS	0.71		0.47		0.44	
90 PERCENT EXCEEDS	0.01		0.04		0.03	

e Estimated