

WHATCOM CREEK BASIN

12202400 EUCLID CREEK AT EUCLID AVENUE, AT BELLINGHAM, WA

LOCATION.--Lat 48°44'56", long 122°24'29", in SW^{1/4}SW^{1/4}, sec.27, T.38 N., R.3 E., Whatcom County, 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.

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 those above 30 ft³/s and estimated discharges, which are poor. Natural flow may be affected by upstream urbanization.

AVERAGE DISCHARGE.--3 years (water year 2002-04) 0.41 ft³/s, 10.36 in/yr, 298 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15 ft³/s, Dec. 14, 2001; maximum gage height, 5.81 ft, Nov. 19, 2003, backwater from log jam; minimum discharge, no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 6.0 ft³/s, Nov. 19; maximum gage height, 5.81 ft, backwater from log jam; minimum discharge, no flow many days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.09	0.91	0.40	1.0	0.20	0.33	0.02	0.07	0.00	0.00	0.05
2	0.00	0.06	1.0	0.37	0.66	0.18	0.29	0.02	0.06	0.01	0.00	0.03
3	0.00	0.05	1.1	0.34	0.47	0.34	0.26	0.02	0.06	0.01	0.00	0.03
4	0.00	0.04	0.86	0.30	0.40	0.36	0.22	0.03	0.05	0.00	0.00	0.03
5	0.00	0.03	0.76	0.28	0.27	1.1	0.16	0.02	0.08	0.00	0.00	0.03
6	0.04	0.02	1.3	0.28	0.23	0.81	0.15	0.02	0.09	0.04	0.00	0.03
7	0.04	0.01	0.95	0.64	0.21	1.9	0.13	0.01	0.06	0.01	0.00	0.03
8	0.04	0.01	0.82	1.2	0.18	1.6	0.12	0.02	0.05	0.01	0.00	0.03
9	0.00	0.01	0.69	0.91	0.15	1.2	0.11	0.01	0.08	0.01	0.00	0.03
10	0.00	0.20	0.60	0.89	0.13	0.87	0.10	0.05	0.05	0.01	0.00	0.04
11	0.00	0.18	0.57	0.66	0.12	0.69	0.10	0.02	0.04	0.00	0.00	0.05
12	0.14	0.09	0.64	0.57	0.10	0.57	0.08	0.02	0.04	0.00	0.00	0.03
13	0.02	0.08	0.59	0.51	0.08	0.48	0.07	0.01	0.10	0.00	0.00	0.03
14	0.00	0.06	0.60	0.51	0.23	0.47	0.07	0.01	0.06	0.00	0.00	0.03
15	0.03	0.10	0.53	0.47	0.58	0.38	0.06	0.01	0.05	0.00	0.00	0.13
16	1.3	1.0	0.56	0.37	0.65	0.35	0.10	0.01	0.04	0.00	0.00	0.13
17	4.4	1.4	0.48	0.31	0.59	0.36	0.07	0.01	0.03	0.00	0.00	1.2
18	0.90	e4.0	0.45	0.28	0.71	0.59	0.06	0.01	0.03	0.00	0.00	0.68
19	0.80	e6.0	0.42	0.25	0.66	0.45	0.05	0.01	0.03	0.00	0.00	0.44
20	4.4	2.2	0.40	0.21	0.54	0.39	0.07	0.01	0.02	0.00	0.00	0.21
21	5.8	1.2	0.46	0.18	0.45	0.36	0.04	0.01	0.02	0.00	0.11	0.14
22	2.2	0.85	0.40	0.20	0.40	0.32	0.04	0.03	0.02	0.00	0.25	0.15
23	1.4	0.97	0.40	0.41	0.35	0.29	0.04	0.01	0.02	0.00	0.02	0.20
24	0.62	1.1	0.39	0.55	0.31	0.67	0.03	0.01	0.02	0.00	0.42	0.13
25	0.34	1.2	0.42	0.53	0.29	0.69	0.03	0.04	0.02	0.00	0.42	0.10
26	0.19	0.87	0.38	0.87	0.28	0.91	0.03	0.02	0.02	0.00	0.11	0.09
27	0.12	0.71	0.50	1.2	0.27	0.71	0.03	0.16	0.01	0.00	0.05	0.08
28	0.53	3.6	0.57	1.7	0.23	0.58	0.02	0.15	0.01	0.00	0.04	0.07
29	0.28	2.6	0.50	2.2	0.22	0.51	0.02	0.10	0.01	0.00	0.04	e0.06
30	0.16	1.3	0.43	2.8	---	0.50	0.02	0.11	0.01	0.00	0.03	e0.06
31	0.11	---	0.43	1.2	---	0.39	---	0.08	---	0.00	0.03	---
TOTAL	23.86	30.03	19.11	21.59	10.76	19.22	2.90	1.06	1.25	0.10	1.52	4.34
MEAN	0.77	1.00	0.62	0.70	0.37	0.62	0.10	0.03	0.04	0.00	0.05	0.14
MAX	5.8	6.0	1.3	2.8	1.0	1.9	0.33	0.16	0.10	0.04	0.42	1.2
MIN	0.00	0.01	0.38	0.18	0.08	0.18	0.02	0.01	0.01	0.00	0.00	0.03
AC-FT	47	60	38	43	21	38	5.8	2.1	2.5	0.2	3.0	8.6
CFSM	1.43	1.85	1.14	1.29	0.69	1.15	0.18	0.06	0.08	0.01	0.09	0.27
IN.	1.64	2.07	1.32	1.49	0.74	1.32	0.20	0.07	0.09	0.01	0.10	0.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	0.32	0.67	1.08	0.91	0.75	0.63	0.40	0.09	0.03	0.00	0.02	0.05
(WY)	(2004)	(2004)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2004)
MIN	0.02	0.17	0.37	0.70	0.37	0.51	0.10	0.03	0.01	0.00	0.00	0.00
(WY)	(2003)	(2003)	(2003)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2004)	(2002)	(2002)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL TOTAL	149.28		135.74		0.41	
ANNUAL MEAN	0.41		0.37		0.61	2002
HIGHEST ANNUAL MEAN					0.26	2003
LOWEST ANNUAL MEAN					15	Dec 14, 2001
HIGHEST DAILY MEAN	6.0	Nov 19	6.0	Nov 19	0.00	Jul 1, 2002
LOWEST DAILY MEAN	0.00	Jun 6	0.00	Oct 1	0.00	Jul 1, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 11	0.00	Jul 11	0.00	Jul 1, 2002
MAXIMUM PEAK FLOW					61	Dec 14, 2001
MAXIMUM PEAK STAGE					4.86	Dec 14, 2001
ANNUAL RUNOFF (AC-FT)	296		269		298	
ANNUAL RUNOFF (CFSM)	0.757		0.687		0.763	
ANNUAL RUNOFF (INCHES)	10.28		9.35		10.36	
10 PERCENT EXCEEDS	1.0		0.91		1.1	
50 PERCENT EXCEEDS	0.18		0.10		0.12	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated