

SNOHOMISH RIVER BASIN

12143700 BOXLEY CREEK NEAR CEDAR FALLS, WA

LOCATION.--Lat 47°25'58", long 121°45'04", in NE 1/4 SW 1/4 sec.35, T.23 N., R.8 E., King County, Hydrologic Unit 17110012, on left bank 1.7 mi northeast of town of Cedar Falls, and 2.5 mi upstream from mouth.

DRAINAGE AREA.--1.57 mi².

PERIOD OF RECORD.--August 1945 to current year. Prior to October 1960 published in WSP 1932.

GAGE.--Water-stage recorder. Elevation of gage is 1,220 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion upstream from station. Flow is mostly seepage from Chester Morse Lake.

AVERAGE DISCHARGE.--57 years (water years 1946-2002), 23.8 ft³/s, 17,270 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 189 ft³/s Dec. 19, 1977, gage height, 2.88 ft, maximum gage height, 3.47 ft Nov. 30, Dec. 1, 1990; no flow at times during water years 1967, 1968, and 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 68 ft³/s June 22-25, gage height, 3.23 ft; minimum discharge, 1.6 ft³/s Nov. 5-12.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.6	2.0	13	22	13	9.6	e9.6	7.6	14	56	47	25
2	9.3	1.9	14	22	13	9.6	e9.4	7.9	15	54	46	24
3	8.8	1.7	14	21	13	9.3	e9.4	7.9	17	54	45	24
4	8.3	1.7	14	21	13	9.2	e9.2	8.0	19	53	44	24
5	8.0	1.7	14	21	13	9.2	e9.2	8.3	22	53	43	23
6	7.8	1.6	15	20	13	9.2	e9.0	8.5	26	51	42	22
7	7.4	1.6	15	20	13	9.2	e8.8	8.8	29	51	41	22
8	7.1	1.6	15	19	13	9.2	e8.8	8.8	35	51	40	22
9	6.6	1.6	15	18	13	9.6	8.8	8.8	43	51	39	22
10	6.5	1.6	15	17	13	9.6	8.8	8.8	49	51	39	21
11	6.3	1.6	15	16	12	10	8.6	8.9	54	51	38	21
12	5.8	1.7	15	15	12	10	8.4	9.1	57	52	37	21
13	5.4	2.0	16	15	12	10	8.8	9.3	60	53	35	21
14	5.1	2.9	16	14	12	10	9.6	9.5	60	53	34	20
15	4.9	3.2	15	14	12	11	9.4	9.6	60	53	33	20
16	4.6	3.4	15	14	11	11	9.0	9.6	60	54	33	20
17	4.2	3.5	15	13	11	11	8.5	9.6	61	54	32	20
18	3.9	3.7	15	13	11	11	8.3	9.6	63	54	31	20
19	3.8	4.0	15	13	11	11	7.9	9.6	65	54	31	19
20	3.7	4.5	15	14	11	11	7.7	10	65	54	30	19
21	3.4	5.0	15	13	11	11	7.6	10	66	54	30	19
22	3.4	6.3	15	13	11	11	7.6	10	68	54	29	19
23	3.4	7.4	15	13	11	11	7.6	11	68	54	29	18
24	3.2	7.9	17	14	11	11	7.6	11	68	53	29	17
25	3.0	8.3	18	14	10	10	7.6	11	66	53	28	17
26	2.9	9.0	19	14	10	10	7.6	11	65	53	28	17
27	2.7	9.7	21	14	9.6	10	7.6	11	64	51	28	17
28	2.4	9.3	21	13	9.6	10	7.6	12	62	50	27	16
29	2.1	11	21	13	---	e9.8	7.6	12	60	50	26	16
30	2.0	11	22	13	---	e9.6	7.6	13	58	49	26	16
31	2.0	---	22	13	---	e9.6	---	14	---	47	25	---
TOTAL	157.6	132.4	502	489	328.2	312.7	253.2	304.2	1519	1625	1065	602
MEAN	5.084	4.413	16.19	15.77	11.72	10.09	8.440	9.813	50.63	52.42	34.35	20.07
MAX	9.6	11	22	22	13	11	9.6	14	68	56	47	25
MIN	2.0	1.6	13	13	9.6	9.2	7.6	7.6	14	47	25	16
AC-FT	313	263	996	970	651	620	502	603	3010	3220	2110	1190

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2002, BY WATER YEAR (WY)

MEAN	4.125	7.950	23.39	25.70	26.09	20.99	18.04	31.50	49.40	43.06	25.34	10.31
MAX	34.5	78.4	94.5	79.1	103	79.5	68.3	82.2	129	93.0	74.8	40.3
(WY)	1960	1948	1991	1950	1953	1950	1950	1993	1946	1993	1955	1955
MIN	0.088	0.008	0.11	0.48	0.34	0.16	1.21	3.37	7.58	11.0	2.18	0.29
(WY)	1988	1988	1988	1953	2001	2001	1962	1999	1963	1978	1992	1987

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1945 - 2002

ANNUAL TOTAL	7717.98	7290.3		
ANNUAL MEAN	21.15	19.97	23.84	
HIGHEST ANNUAL MEAN			51.9	1950
LOWEST ANNUAL MEAN			6.75	1977
HIGHEST DAILY MEAN	85	Jun 28	177	Dec 1 1990
LOWEST DAILY MEAN	0.10	Mar 11	1.6	Nov 6
ANNUAL SEVEN-DAY MINIMUM	0.11	Mar 8	1.6	Nov 5
ANNUAL RUNOFF (AC-FT)	15310	14460	17270	
10 PERCENT EXCEEDS	65	53	60	
50 PERCENT EXCEEDS	11	13	16	
90 PERCENT EXCEEDS	0.18	4.8	1.3	

e Estimated