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 mi^2.

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 sea level, 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.--55 years (water years 1946-2000), 24.0 ft^3/s, 17,380 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 189 ft^3/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, 100 ft^3/s June 21-23, gage height, 3.39 ft; minimum discharge, 1.6 ft^3/s Nov. 23, 24.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	2.7	1.9	44	9.9	6.8	3.5	7.4	34	75	35	16
2	13	2.7	2.2	41	9.3	6.8	3.4	8.0	36	74	34	16
3	12	2.5	2.2	39	9.1	6.8	3.4	8.6	37	70	33	15
4	11	2.4	2.3	36	8.7	6.8	3.4	8.9	40	66	32	15
5	11	2.3	2.6	34	8.3	6.8	3.4	9.4	42	63	31	15
6	10	2.2	e3.2	32	8.3	6.8	3.4	9.9	43	62	31	14
7	9.9	2.1	e4.0	30	8.3	6.8	3.4	10	45	60	30	14
8	10	2.0	e5.0	28	7.9	6.8	3.4	11	47	58	29	14
9	9.3	2.0	e6.0	27	7.9	6.8	3.4	11	49	56	28	13
10	8.8	2.0	e7.0	26	7.8	6.4	3.4	12	50	54	28	13
11	8.4	1.9	e8.0	24	7.6	6.1	3.4	12	53	53	27	12
12	8.0	2.7	e9.0	23	7.3	6.1	3.4	12	61	51	26	12
13	7.6	2.9	11	22	7.2	6.0	3.7	13	61	50	26	11
14	7.3	2.6	12	21	7.2	5.7	4.1	13	63	49	25	11
15	6.4	2.3	15	20	7.2	5.5	4.1	13	67	48	24	10
16	6.1	2.1	16	19	7.0	5.5	4.1	14	74	47	24	9.8
17	5.7	2.0	17	17	6.8	5.2	4.1	14	80	46	23	9.6
18	5.5	1.9	17	16	6.8	5.1	4.2	15	82	45	22	9.1
19	5.1	1.9	18	16	6.8	4.9	4.3	16	86	44	22	8.7
20	4.8	1.8	21	15	6.8	4.6	4.3	16	95	43	22	8.3
21	4.6	1.9	24	14	6.8	4.4	4.5	17	97	43	21	8.0
22	4.3	1.8	30	13	6.8	4.4	4.7	18	98	43	21	7.8
23	4.1	1.6	36	13	6.8	4.1	5.0	19	97	42	20	7.4
24	3.9	1.7	43	12	6.8	4.1	5.2	21	93	41	20	7.1
25	3.8	2.5	48	12	6.8	4.0	5.2	22	89	e40	19	6.6
26	3.6	2.6	51	11	6.8	3.8	5.4	23	87	e40	19	6.5
27	3.6	2.5	53	11	6.8	3.8	5.9	25	84	e40	19	6.2
28	3.4	2.1	53	10	6.8	3.8	6.4	27	82	39	18	5.8
29	3.1	2.0	51	10	6.8	3.8	6.8	28	80	38	18	5.5
30	3.1	1.9	49	9.6	---	3.6	7.1	31	78	37	17	5.6
31	2.9	---	47	9.3	---	3.6	---	33	---	37	17	---
TOTAL	213.3	65.6	665.4	654.9	217.4	165.7	130.0	498.2	2030	1554	761	313.0
MEAN	6.88	2.19	21.5	21.1	7.50	5.35	4.33	16.1	67.7	50.1	24.5	10.4
MAX	13	2.9	53	44	9.9	6.8	7.1	33	98	75	35	16
MIN	2.9	1.6	1.9	9.3	6.8	3.6	3.4	7.4	34	37	17	5.5
AC-FT	423	130	1320	1300	431	329	258	988	4030	3080	1510	621

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2000, BY WATER YEAR (WY)

MEAN	4.13	8.11	23.9	26.3	26.8	21.6	18.5	31.8	49.0	42.5	25.0	10.0
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	.088	.008	.11	.48	1.88	2.54	1.21	3.37	7.58	11.0	2.18	.29
(WY)	1988	1988	1988	1953	1977	1966	1962	1999	1963	1978	1992	1987

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1945 - 2000	
ANNUAL TOTAL	7291.9		7268.5			
ANNUAL MEAN	20.0		19.9		24.0	
HIGHEST ANNUAL MEAN					51.9	1950
LOWEST ANNUAL MEAN					6.75	1977
HIGHEST DAILY MEAN	75	Jul 9	98	Jun 22	177	Dec 1 1990
LOWEST DAILY MEAN	1.6	Nov 23	1.6	Nov 23	.00	Oct 31 1966
ANNUAL SEVEN-DAY MINIMUM	1.8	Nov 18	1.8	Nov 18	.00	Oct 31 1966
ANNUAL RUNOFF (AC-FT)	14460		14420		17380	
10 PERCENT EXCEEDS	51		50		60	
50 PERCENT EXCEEDS	9.7		10		16	
90 PERCENT EXCEEDS	2.9		3.0		1.4	

e Estimated