12400900 MYERS CREEK NEAR CHESAW, WA

LOCATION.--Lat 48°59'55", long 119°01'08", in NW 1/4 NE 1/4 sec.3, T.40 N., R.30 E., Okanogan County, Hydrologic Unit 17020002, on left bank 450 feet upstream from the international boundary, 3.8 mi northeast of Chesaw, and at mile 9.8.

DRAINAGE AREA.--90.9 mi^2, approximately.

REVISED RECORDS.--WDR WA-97-01: Drainage area.

PERIOD OF RECORD.--1923-24 (partial record), 1926-50 (partial record), 1968-77 (partial record), October 1995 to current year. Prior to October 1995 published as near Myncaster, B.C. (station 12401000).

GAGE.--Water-stage recorder. Elevation of gage is 2,630 ft above sea level, from topographic map. October 1929 to September 1950 water-stage recorder 500 ft downstream at elevation 2,620 ft (from international boundary strip map, publication 1913). Prior to October 1929, staff gage only.

REMARKS.--Records fair. No known regulation. Small diversions for irrigation upstream from station.

AVERAGE DISCHARGE.--6 years (water years 1996-2001), 19.7 ft^3/s, 2.94 in/yr, 14,240 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 332 ft^3/s May 27, 1998, gage height, 7.33 ft, from high-water mark; no flow July 16-18, 25, 1926, Aug. 13-25, 1939, and may have occurred during nonirrigation seasons.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18 ft^3/s May 16, gage height, 4.04 ft, minimum discharge, 2.0 ft^3/s Aug. 15 and part of each day Aug. 14, 16-18, gage height, 3.52 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.7	9.2	e10	e6.0	e6.5	e5.5	9.3	14	10	6.4	3.5	2.6
2	6.7	8.7	e10	e6.0	e7.0	e5.5	9.1	13	10	5.5	3.2	2.6
3	6.4	8.3	e9.0	e6.0	e6.5	e5.5	9.0	13	10	5.2	3.1	2.6
4	6.6	8.3	e9.0	e6.0	e6.5	e6.0	9.0	13	10	4.5	3.2	2.4
5	6.7	8.0	e9.0	e6.0	e6.5	e6.5	9.0	13	11	4.3	3.1	2.3
6	6.9	8.0	e9.0	e5.5	e5.0	e6.5	9.1	13	13	4.3	3.0	2.4
7	7.0	7.9	e9.0	e5.0	e4.5	e6.5	9.3	12	12	4.3	2.8	2.5
8	7.0	8.6	e9.0	e5.0	e5.0	e6.5	9.3	13	10	4.2	2.7	2.6
9	7.0	9.0	e9.0	e6.0	e5.5	e6.5	9.4	13	9.4	4.0	2.5	2.6
10	7.0	e8.0	e8.0	e6.0	e5.5	e6.5	9.6	12	8.8	3.8	2.3	2.5
11	7.0	e7.0	e6.0	e6.0	e5.0	e7.0	9.2	12	8.8	3.4	2.3	2.5
12	7.0	e8.0	e3.5	e6.0	e5.0	e7.0	8.7	13	11	3.4	2.2	2.4
13	7.0	e8.5	e3.5	e6.0	e5.5	e7.0	8.6	14	11	3.8	2.2	2.3
14	7.0	e8.0	e4.0	e5.5	e6.0	5.8	8.7	14	11	4.1	2.2	2.2
15	7.0	e7.5	e4.5	e5.0	e5.5	5.2	9.0	14	9.4	4.0	2.0	2.3
16	7.1	e8.0	e4.5	e5.0	e5.0	5.1	9.0	16	8.7	4.1	2.1	2.4
17	7.3	e8.0	e4.5	e5.5	e5.0	5.4	10	15	8.6	4.3	2.1	2.4
18	7.3	e8.0	e4.5	e5.5	e5.0	6.0	11	15	8.4	4.2	2.2	2.4
19	7.3	e8.0	e4.5	e6.0	e5.5	7.2	11	15	7.7	4.1	2.4	2.4
20	7.6	e8.0	e4.5	e6.0	e5.5	7.5	10	14	7.0	4.0	2.5	2.6
21	8.6	e8.0	e4.5	e6.0	e6.5	7.6	10	14	6.6	4.0	2.5	2.8
22	8.3	e7.5	e5.0	e6.0	e7.0	7.4	10	13	6.1	5.3	2.8	2.9
23	8.0	e7.5	e5.5	e5.5	e6.5	7.7	10	13	5.8	4.6	3.0	2.9
24	7.7	e7.5	e6.0	e6.0	e6.5	8.0	10	13	5.9	3.9	2.9	2.8
25	7.7	e10	e7.5	e6.0	e6.0	9.4	12	13	7.1	3.5	2.8	2.9
26	7.7	e10	e7.5	e6.0	e5.0	10	14	12	7.2	3.3	2.7	3.6
27	8.1	e9.0	e6.0	e6.0	e5.0	10	15	12	7.5	3.2	2.6	4.1
28	9.7	e8.5	e6.0	e6.0	e5.0	9.8	17	12	9.5	3.6	2.5	4.0
29	11	e8.5	e5.5	e6.0	---	9.6	17	11	9.0	4.2	2.5	3.6
30	11	e9.5	e5.5	e6.0	---	9.4	15	11	7.6	4.0	2.5	3.5
31	9.6	---	e6.0	e6.0	---	9.3	---	11	---	3.9	2.5	---
TOTAL	237.0	249.0	200.0	179.5	159.0	222.9	317.3	406	268.1	129.4	80.9	82.1
MEAN	7.65	8.30	6.45	5.79	5.68	7.19	10.6	13.1	8.94	4.17	2.61	2.74
MAX	11	10	10	6.0	7.0	10	17	16	13	6.4	3.5	4.1
MIN	6.4	7.0	3.5	5.0	4.5	5.1	8.6	11	5.8	3.2	2.0	2.2
AC-FT	470	494	397	356	315	442	629	805	532	257	160	163
CFSM	.08	.09	.07	.06	.06	.08	.12	.14	.10	.05	.03	.03
IN.	.10	.10	.08	.07	.07	.09	.13	.17	.11	.05	.03	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2001, BY WATER YEAR (WY)

MEAN	11.3	11.6	9.72	8.17	9.01	13.0	35.7	57.1	41.3	18.9	10.2	9.42
MAX	14.3	15.3	12.8	9.94	11.5	18.2	51.6	98.9	69.2	35.6	16.7	13.7
(WY)	1999	1999	1999	1997	1999	1999	1997	1998	1998	1998	1998	1997
MIN	7.65	8.30	6.45	5.79	5.68	7.19	10.6	13.1	8.94	4.17	2.61	2.74
(WY)	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001	2001

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SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1996 - 2001	
ANNUAL TOTAL	4677.0		2531.2			
ANNUAL MEAN	12.8		6.93		19.7	
HIGHEST ANNUAL MEAN					29.2	1998
LOWEST ANNUAL MEAN					6.93	2001
HIGHEST DAILY MEAN	42	May 4	17	Apr 28	250	May 27 1998
LOWEST DAILY MEAN	3.5	Dec 12	2.0	Aug 15	2.0	Aug 15 2001
ANNUAL SEVEN-DAY MINIMUM	3.9	Aug 13	2.1	Aug 12	2.1	Aug 12 2001
ANNUAL RUNOFF (AC-FT)	9280		5020		14240	
ANNUAL RUNOFF (CFSM)	.14		.076		.22	
ANNUAL RUNOFF (INCHES)	1.91		1.04		2.94	
10 PERCENT EXCEEDS	31		11		49	
50 PERCENT EXCEEDS	9.0		6.5		12	
90 PERCENT EXCEEDS	4.6		2.6		5.5	

e Estimated