

CHAMBERS CREEK BASIN

12090400 NORTH FORK CLOVER CREEK NEAR PARKLAND, WA

LOCATION.--Lat 47°08'05", long 122°24'50", in SE 1/4 NW 1/4 sec.15, T.19 N., R.3 E., Pierce County, Hydrologic Unit 17110019, at Golden Given Avenue crossing, 1.5 mi southeast of Parkland.

DRAINAGE AREA.--6.25 mi².

PERIOD OF RECORD.--Water years 1960-1975 (annual maximum), November 1990 to September 1992, October 1994 to September 1997, October 1997 to April 1999 (seasonal records), October 1999 to current year.

REVISED RECORDS.--WDR WA-01-1: 1999(M).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 315 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Two flood control ponds (completed in 1999 and 2000, 228 acre-ft, total) upstream from station.

AVERAGE DISCHARGE.--7 years (water years 1992, 1995-97, 2000-02), 7.79 ft³/s, 16.94 in/yr, 5,640 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined Feb. 8, 1996, gage height, 12.81 ft, from outside high-water mark, affected by backwater; minimum discharge, no flow for many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 197 ft³/s Nov. 14, gage height, 7.90 ft, from crest-stage gage; minimum discharge, no flow for many days during year.

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	0.00	1.1	25	15	19	3.1	1.0	2.1	0.00	0.00	0.00	0.00
2	0.00	0.17	31	29	12	2.4	0.85	1.6	0.00	0.00	0.00	0.00
3	0.00	0.00	31	15	9.0	2.0	0.51	1.3	0.00	0.00	0.00	0.00
4	0.00	0.06	20	10	7.2	1.7	0.25	0.80	0.00	0.00	0.00	0.00
5	0.00	2.0	16	7.7	7.1	1.9	0.15	0.99	0.03	0.00	0.00	0.00
6	0.00	0.15	20	14	9.6	1.8	0.10	0.98	0.00	0.00	0.00	0.00
7	0.00	0.00	11	59	18	1.6	0.00	0.76	0.00	0.10	0.00	0.00
8	0.00	0.00	7.7	46	41	1.2	0.00	0.53	0.00	0.72	0.00	0.00
9	0.00	0.00	6.7	25	19	1.1	0.83	0.56	0.00	0.08	0.00	0.00
10	0.46	0.00	8.0	15	12	0.98	6.9	3.2	0.00	0.00	0.00	0.00
11	0.00	0.00	8.3	9.8	8.7	27	8.5	1.7	0.00	0.00	0.00	0.00
12	0.00	1.0	5.8	10	6.8	43	10	0.92	0.00	0.03	0.00	0.00
13	0.00	7.9	72	7.4	e5.2	28	32	0.74	0.00	0.00	0.00	0.00
14	0.00	125	74	5.5	3.6	14	101	0.87	0.00	0.00	0.00	0.00
15	0.00	66	37	3.9	2.9	9.0	41	0.45	0.00	0.00	0.00	0.00
16	0.00	30	76	2.9	2.9	9.2	21	0.15	0.00	0.00	0.00	0.00
17	0.00	13	80	2.4	3.1	14	13	0.59	0.00	0.00	0.00	0.00
18	0.00	5.5	39	2.2	4.4	15	8.0	0.27	0.00	0.00	0.00	0.00
19	0.00	11	30	4.9	7.7	e34	6.1	0.10	0.00	0.00	0.00	0.00
20	0.00	15	22	6.8	5.7	e90	4.8	0.75	0.00	0.00	0.00	0.00
21	0.00	15	15	9.0	33	37	4.0	1.1	0.00	0.00	0.00	0.00
22	0.33	46	11	6.8	23	18	3.4	0.44	0.00	0.00	0.00	0.00
23	2.5	38	7.5	4.6	39	10	2.8	0.14	0.00	0.00	0.00	0.00
24	0.49	16	5.7	21	33	6.8	2.2	0.00	0.00	0.00	0.00	0.00
25	1.9	8.4	4.1	93	16	5.5	1.7	0.00	0.00	0.00	0.00	0.00
26	0.01	4.7	3.3	56	10	4.1	2.0	0.00	0.00	0.00	0.00	0.00
27	7.3	2.8	3.0	30	6.6	3.3	9.4	0.03	0.00	0.00	0.00	0.00
28	1.2	42	9.1	18	4.7	2.6	6.9	0.73	1.0	0.00	0.00	0.00
29	0.00	41	6.1	11	---	2.2	4.1	1.2	2.5	0.00	0.00	0.00
30	0.45	24	4.1	14	---	1.8	3.0	0.29	0.34	0.00	0.00	0.00
31	9.5	---	9.1	22	---	1.3	---	0.00	---	0.00	0.00	---
TOTAL	24.14	515.78	698.5	576.9	370.2	393.58	295.49	23.29	3.87	0.93	0.00	0.00
MEAN	0.78	17.2	22.5	18.6	13.2	12.7	9.85	0.75	0.13	0.030	0.000	0.000
MAX	9.5	125	80	93	41	90	101	3.2	2.5	0.72	0.00	0.00
MIN	0.00	0.00	3.0	2.2	2.9	0.98	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	48	1020	1390	1140	734	781	586	46	7.7	1.8	0.00	0.00
CFSM	0.12	2.75	3.61	2.98	2.12	2.03	1.58	0.12	0.02	0.00	0.00	0.00
IN.	0.14	3.07	4.16	3.43	2.20	2.34	1.76	0.14	0.02	0.01	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2002, BY WATER YEAR (WY)

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
MEAN	1.14	11.3	20.6	20.7	19.7	12.9	9.49	2.45	0.85	0.11	0.080	0.12
MAX	4.24	20.6	40.3	42.2	41.9	23.2	27.8	5.41	3.01	0.23	0.42	0.40
(WY)	1998	1996	1999	1997	1996	1997	1991	1996	2001	1995	2001	1997
MIN	0.000	2.76	3.63	7.21	7.29	3.73	1.55	0.13	0.023	0.000	0.000	0.000
(WY)	1995	1995	2001	2001	2001	1992	1999	1992	1995	1991	1996	2000

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1991 - 2002

ANNUAL TOTAL	2458.61	2902.68		
ANNUAL MEAN	6.74	7.95	7.79	
HIGHEST ANNUAL MEAN			11.8	1997
LOWEST ANNUAL MEAN			4.18	2001
HIGHEST DAILY MEAN	125	Nov 14	125	Nov 14
LOWEST DAILY MEAN	0.00	May 13	0.00	Oct 1
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 17	0.00	Oct 1
ANNUAL RUNOFF (AC-FT)	4880		5760	5640
ANNUAL RUNOFF (CFSM)	1.08		1.27	1.25
ANNUAL RUNOFF (INCHES)	14.63		17.28	16.94
10 PERCENT EXCEEDS	16		25	21
50 PERCENT EXCEEDS	2.1		0.85	1.1
90 PERCENT EXCEEDS	0.00		0.00	0.00

e Estimated