12467000 CRAB CREEK NEAR MOSES LAKE, WA

LOCATION.--Lat 47°11'22", long 119°15'53", in NW 1/4 NE 1/4 sec.35, T.20 N., R.28 E., Grant County, Hydrologic Unit 17020015, on left bank at downstream side of highway bridge, 3.0 mi upstream from Parker Horn, 4.0 mi north of town of Moses Lake, and at mile 63.0.

DRAINAGE AREA.--2,228 mi^2, of which 219 mi^2 in the vicinity of Long Lake Reservoir is noncontributing.

PERIOD OF RECORD.--September 1942 to current year.

REVISED RECORDS.--WSP 1933: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 1,070.39 ft above Bureau of Reclamation datum. Prior to July 14, 1956, at site 300 ft upstream at same datum.

REMARKS.--No estimated daily discharges. Records good except for period April 20 to Sept. 30 which is fair. Numerous small diversions for irrigation and domestic use upstream from station. Most natural flow from upper basin passes this station underground. No known regulation. Since 1952, return flow from irrigation on Columbia Basin project has increased runoff during summer months. Bureau of Reclamation satellite telemeter at station.

AVERAGE DISCHARGE.--51 years (water years 1952-2002), 70.0 ft^3/s, 50,740 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,400 ft^3/s Feb. 28, 1957, gage height, 6.81 ft; no flow for several months each year prior to 1952 and part of each day Jan. 14, 15, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 53 ft^3/s Oct. 30 and 31, gage height, 2.86 ft, maximum gage height, 3.32 ft Aug. 31; minimum discharge, 2.0 ft^3/s Mar. 21.

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	39	32	24	11	7.9	7.7	5.1	25	33	43	44	46
2	41	29	20	15	7.8	7.5	4.8	27	33	44	46	47
3	40	27	22	17	7.8	7.2	4.9	27	33	40	47	45
4	38	26	17	13	7.8	7.2	4.7	27	33	40	50	45
5	39	24	16	12	7.9	7.6	4.8	24	32	39	49	47
6	38	23	17	13	8.0	7.4	5.1	23	29	38	50	47
7	38	22	17	14	8.4	7.7	4.6	24	31	38	49	46
8	39	21	15	12	13	8.6	4.2	26	32	39	48	44
9	36	21	14	11	10	9.0	4.4	27	33	41	49	44
10	37	20	13	11	9.1	11	4.6	27	31	40	50	46
11	37	19	14	10	8.8	12	5.3	27	34	40	48	46
12	38	19	14	10	8.1	8.7	15	26	34	39	47	46
13	39	19	16	9.9	7.8	7.7	11	25	35	40	46	45
14	39	20	16	10	7.7	7.1	15	27	34	40	45	48
15	38	18	13	9.5	7.5	7.0	15	28	33	40	46	48
16	39	20	13	9.4	8.3	6.8	15	29	33	39	46	48
17	37	29	13	9.0	9.6	6.4	12	29	33	39	48	48
18	36	20	11	8.7	9.8	6.4	14	29	34	39	48	47
19	37	19	12	9.2	10	6.7	14	30	32	39	47	47
20	36	20	12	10	10	6.5	14	32	32	38	47	45
21	37	21	12	10	9.6	5.9	16	32	33	43	47	45
22	37	20	12	9.3	11	6.1	17	33	34	44	46	45
23	38	18	11	8.7	9.7	6.1	18	33	36	44	45	45
24	36	16	11	9.0	9.4	6.2	18	32	36	42	45	44
25	38	16	11	9.9	7.8	6.2	17	32	34	43	46	43
26	39	15	11	9.4	7.7	6.0	19	33	32	43	47	44
27	37	14	10	8.9	7.8	6.0	22	32	34	44	46	45
28	36	16	11	8.4	7.9	5.8	22	32	36	44	47	47
29	37	20	11	7.7	---	5.5	20	32	37	43	48	48
30	45	20	11	7.6	---	5.5	22	32	41	45	48	47
31	43	---	11	7.8	---	5.4	---	33	---	44	50	---
TOTAL	1184	624	431	321.4	246.2	220.9	368.5	895	1007	1274	1465	1378
MEAN	38.2	20.8	13.9	10.4	8.79	7.13	12.3	28.9	33.6	41.1	47.3	45.9
MAX	45	32	24	17	13	12	22	33	41	45	50	48
MIN	36	14	10	7.6	7.5	5.4	4.2	23	29	38	44	43
AC-FT	2350	1240	855	637	488	438	731	1780	2000	2530	2910	2730

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2002, BY WATER YEAR (WY)

MEAN	59.4	36.2	23.3	60.9	124	160	84.8	50.1	47.6	58.1	68.0	70.7
MAX	111	68.9	43.8	779	490	1012	582	222	163	113	130	136
(WY)	1975	1974	1974	1959	1970	1956	1969	1997	1997	1974	1972	1971
MIN	0.28	0.19	0.13	0.029	4.31	3.60	6.30	13.4	16.7	25.4	35.2	35.6
(WY)	1952	1952	1952	1952	1953	1953	1964	1962	1960	1959	1957	1957

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1952 - 2002	
ANNUAL TOTAL	9265.4		9415.0			
ANNUAL MEAN	25.4		25.8		70.0	
HIGHEST ANNUAL MEAN					183	1956
LOWEST ANNUAL MEAN					25.8	2002
HIGHEST DAILY MEAN	54	May 15	50	Aug 4	6960	Mar 1 1957
LOWEST DAILY MEAN	6.0	Apr 10	4.2	Apr 8	0.00	Dec 21 1951
ANNUAL SEVEN-DAY MINIMUM	6.5	Apr 4	4.6	Apr 4	0.00	Dec 21 1951
ANNUAL RUNOFF (AC-FT)	18380		18670		50740	
10 PERCENT EXCEEDS	40		46		118	
50 PERCENT EXCEEDS	28		26		42	
90 PERCENT EXCEEDS	9.4		7.7		13	