

12464770 CRAB CREEK AT ROCKY FORD ROAD, NEAR RITZVILLE, WA

LOCATION.--Lat 47°18'10", long 118°22'05", in NW 1/4 NE 1/4 sec.23, T.21 N., R.35 E., Lincoln County, Hydrologic Unit 17020013, on left bank, 100 ft downstream from Rocky Ford Road bridge crossing, 13 mi north of Ritzville.

DRAINAGE AREA.--384 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1993 to September 1995, August 1997 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 1,660 ft above NGVD of 1929, from topographic map.

REMARKS.--No estimated daily discharges. Records good. Several diversions for irrigation upstream from station. No regulation.

AVERAGE DISCHARGE.--7 years (water years 1994-95, 1998-2002), 53.8 ft³/s, 1.91 in/yr, 39,020 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,530 ft³/s Feb. 1, 1995, gage height, 6.72 ft; minimum discharge, 2.9 ft³/s Sept. 20, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 451 ft³/s Feb. 8, gage height, 3.21 ft; minimum discharge, 8.9 ft³/s Oct. 4, 5 and 8.

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	10	11	17	34	51	76	71	50	28	22	18	12
2	9.8	12	17	34	52	75	69	49	28	22	17	12
3	9.5	12	17	34	52	73	69	48	27	22	17	12
4	9.3	12	17	33	51	72	68	47	26	22	17	12
5	9.4	12	18	33	53	71	67	47	25	22	17	12
6	9.4	12	18	50	52	71	66	47	24	22	17	12
7	9.6	12	19	59	58	72	65	48	24	22	15	12
8	9.6	12	20	52	127	71	65	48	24	22	15	12
9	9.6	12	20	56	113	70	65	45	24	22	15	11
10	9.6	12	21	54	82	70	68	44	24	22	15	11
11	9.6	13	21	52	75	70	69	43	24	22	14	11
12	10	13	22	51	69	73	68	41	24	21	14	11
13	9.7	13	24	51	65	73	67	40	23	21	14	12
14	9.6	13	26	51	63	72	68	40	23	21	14	11
15	9.5	13	32	51	61	71	68	39	23	21	14	11
16	9.5	13	34	50	60	71	68	38	23	21	14	11
17	9.5	14	33	50	59	72	67	38	23	21	14	11
18	9.7	13	36	50	58	73	65	37	23	21	14	11
19	9.9	14	37	51	60	74	63	37	23	21	13	11
20	9.8	14	37	51	107	74	62	36	22	21	13	12
21	10	14	37	51	103	75	60	36	22	20	13	12
22	10	15	36	50	101	75	59	36	23	20	13	12
23	10	15	36	49	98	75	57	36	23	20	13	12
24	10	15	36	50	87	75	56	34	23	20	13	12
25	11	15	36	54	83	75	55	33	22	19	13	12
26	10	15	35	54	81	75	54	32	22	19	13	12
27	11	15	35	54	79	75	55	31	22	19	12	12
28	11	16	35	53	78	74	53	30	22	18	12	12
29	11	16	34	52	---	73	51	30	22	18	12	12
30	11	16	34	52	---	72	51	29	22	18	12	12
31	12	---	34	51	---	71	---	28	---	18	12	---
TOTAL	309.6	404	874	1517	2078	2259	1889	1217	708	640	439	350
MEAN	9.99	13.5	28.2	48.9	74.2	72.9	63.0	39.3	23.6	20.6	14.2	11.7
MAX	12	16	37	59	127	76	71	50	28	22	18	12
MIN	9.3	11	17	33	51	70	51	28	22	18	12	11
AC-FT	614	801	1730	3010	4120	4480	3750	2410	1400	1270	871	694
CFSM	0.03	0.04	0.07	0.13	0.19	0.19	0.16	0.10	0.06	0.05	0.04	0.03
IN.	0.03	0.04	0.08	0.15	0.20	0.22	0.18	0.12	0.07	0.06	0.04	0.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002		
MEAN	14.5	17.8	43.5	138	134	113	72.4	47.7	27.6	21.9	15.4	13.0
MAX	24.5	31.4	155	373	266	213	113	77.7	47.0	47.6	27.3	23.7
(WY)	1998	1998	1999	1998	1999	1999	2000	2000	1997	1997	1997	1997
MIN	3.63	4.09	8.75	30.5	22.2	16.7	14.7	11.5	11.4	8.87	4.69	3.72
(WY)	1995	1995	1995	2001	1994	1994	1994	1994	1994	1994	1994	1994

SUMMARY STATISTICS

FOR 2001 CALENDAR YEAR

FOR 2002 WATER YEAR

WATER YEARS 1993 - 2002

ANNUAL TOTAL	9075.6	12684.6		
ANNUAL MEAN	24.9	34.8		
HIGHEST ANNUAL MEAN			53.9	
LOWEST ANNUAL MEAN			88.2	1999
HIGHEST DAILY MEAN	50	Mar 16	13.7	1994
LOWEST DAILY MEAN	9.3	Oct 4	2160	Jan 19 1998
ANNUAL SEVEN-DAY MINIMUM	9.5	Oct 3	3.4	Sep 25 1994
ANNUAL RUNOFF (AC-FT)	18000		39020	Sep 24 1994
ANNUAL RUNOFF (CFSM)	0.065			
ANNUAL RUNOFF (INCHES)	0.88			
10 PERCENT EXCEEDS	44			
50 PERCENT EXCEEDS	23			
90 PERCENT EXCEEDS	11			