09261700 BIG BRUSH CREEK ABOVE RED FLEET RESERVOIR, NEAR VERNAL, UT

LOCATION.--Lat 40°35'20", long 109°27'53", in NW¼SE¼NE¼ sec. 5, T. 3 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank 950 ft below State Highway 44, 5.5 mi upstream from Little Brush Creek, and 10.5 mi northeast of Vernal.

DRAINAGE AREA.--77.2 mi^2.

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,625 ft above NGVD of 1929, from topographic map. Prior to September 1980, water-stage recorder at site 250 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Water from Oaks Park Reservoir (capacity 6,250 acre-ft), near headwaters, is diverted through Oaks Park Canal to Ashley Creek basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 384 ft^3/s, May 22, 1998, gage height, 2.09 ft; maximum gage height, 3.06 ft, May 23, 1980 at different datum; minimum daily, 6.8 ft^3/s, Aug 13, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 241 ft^3/s, May 17, gage height, 1.76 ft; minimum discharge, 9.6 ft^3/s, Mar 21.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	11	11	11	11	11	76	148	31	30	15
2	e13	12	11	11	10	11	14	63	120	29	30	15
3	e13	12	11	11	10	11	14	66	91	29	29	15
4	e13	12	12	11	10	11	14	68	74	28	28	15
5	e13	12	12	11	e10	11	14	57	64	41	27	15
6	e13	12	12	11	e10	11	14	51	57	46	26	16
7	e13	13	12	11	e10	11	14	52	53	47	24	17
8	e13	13	12	11	e10	11	12	51	46	49	23	15
9	e13	13	12	12	10	11	12	48	43	46	23	16
10	e13	12	12	11	10	11	11	45	45	46	21	17
11	13	12	11	11	10	11	12	44	56	45	21	15
12	13	12	12	11	11	10	14	56	69	46	19	15
13	13	12	12	11	11	12	20	90	61	46	18	14
14	13	12	12	11	11	11	32	125	58	44	19	14
15	13	12	12	11	11	11	42	173	48	43	18	14
16	13	12	12	11	10	11	48	201	44	42	18	14
17	13	12	12	e11	10	11	51	228	43	41	20	13
18	13	12	12	e11	10	11	47	238	43	41	20	13
19	12	12	11	e11	10	11	41	227	43	40	18	13
20	12	12	11	e11	11	11	38	201	42	40	17	13
21	12	13	e11	11	11	10	37	190	40	38	17	13
22	12	12	e11	11	11	10	42	192	43	37	17	13
23	13	12	e11	11	11	10	42	195	43	37	17	13
24	15	12	e11	12	11	11	42	200	46	37	19	12
25	13	12	e11	11	11	11	68	202	50	38	18	12
26	13	11	e11	11	11	11	116	205	43	37	17	12
27	13	11	e11	11	11	10	129	202	42	36	16	11
28	13	11	11	11	11	10	122	200	39	34	16	12
29	15	11	11	11	---	10	110	190	36	32	16	11
30	13	11	11	12	---	10	97	176	34	31	16	11
31	12	---	11	11	---	9.8	---	161	---	30	16	---
TOTAL	402	359	355	344	294	332.8	1,280	4,273	1,664	1,207	634	414
MEAN	13.0	12.0	11.5	11.1	10.5	10.7	42.7	138	55.5	38.9	20.5	13.8
MAX	15	13	12	12	11	12	129	238	148	49	30	17
MIN	12	11	11	11	10	9.8	11	44	34	28	16	11
AC-FT	797	712	704	682	583	660	2,540	8,480	3,300	2,390	1,260	821

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	21.2	17.9	15.7	14.6	14.0	15.1	44.9	152	111	44.6	32.0	23.4
MAX	38.2	29.3	25.4	22.4	21.4	24.5	88.9	296	314	126	51.2	35.1
(WY)	(1987)	(1987)	(1984)	(1984)	(1987)	(1986)	(1985)	(1998)	(1983)	(1983)	(1983)	(1997)
MIN	13.0	12.0	10.2	10.1	10.5	10.7	17.7	37.9	24.1	14.4	12.0	13.0
(WY)	(2003)	(2003)	(1993)	(1993)	(2003)	(2003)	(1982)	(2002)	(2002)	(2002)	(2002)	(2002)

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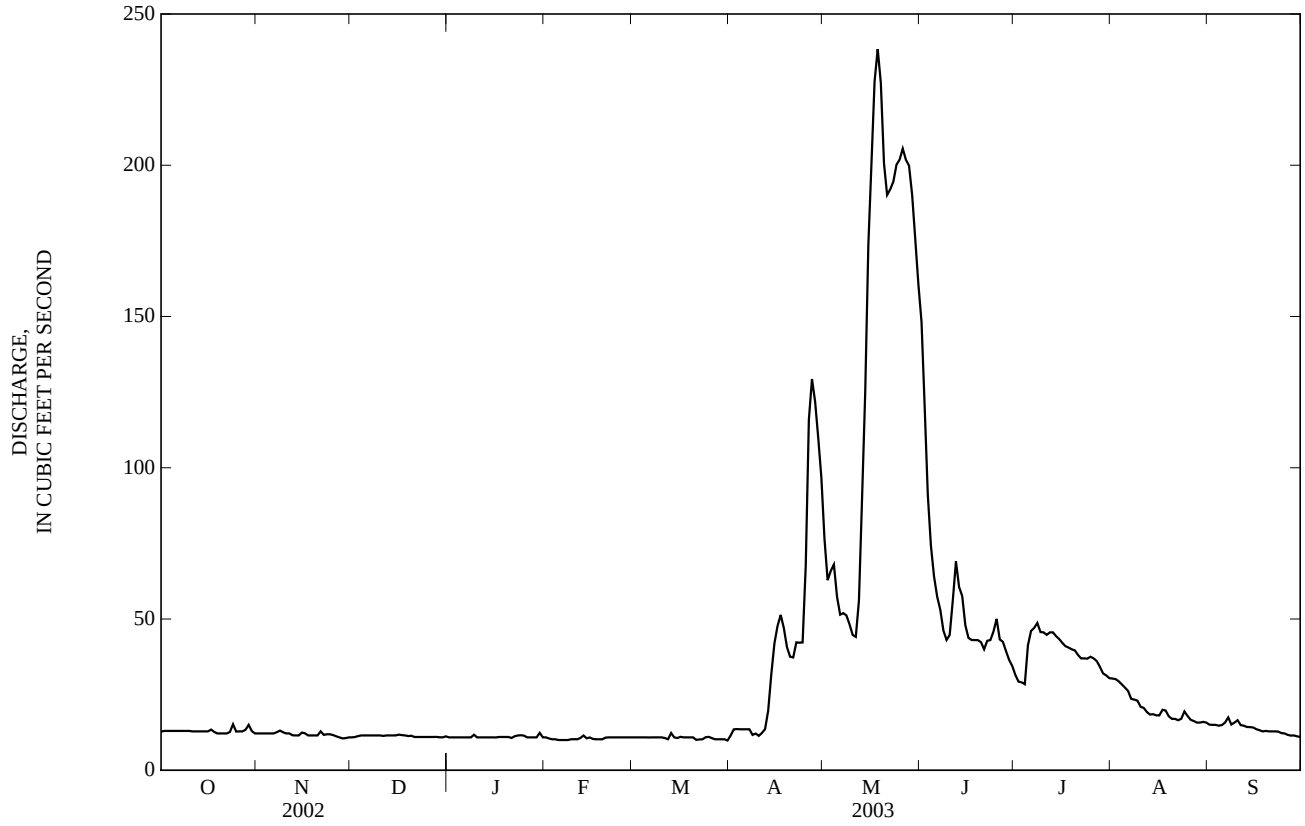
SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	6,146.8		11,558.8			
ANNUAL MEAN	16.8		31.7		42.4	
HIGHEST ANNUAL MEAN					69.6	1998
LOWEST ANNUAL MEAN					17.6	2002
HIGHEST DAILY MEAN	54	May 1	238	May 18	375	May 22, 1998
LOWEST DAILY MEAN	6.8	Aug 13	9.8	Mar 31	6.8	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	11	Nov 26	10	Feb 2	8.8	Feb 7, 1992
ANNUAL RUNOFF (AC-FT)	12,190		22,930		30,700	
10 PERCENT EXCEEDS	29		59		95	
50 PERCENT EXCEEDS	13		13		21	
90 PERCENT EXCEEDS	12		11		12	

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