

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in NW¼NW¼NW¼ sec. 15, T. 13 N., R. 13 W., Box Elder County, Hydrologic Unit 16020308, on right bank 150 ft upstream from diversion structure, 200 ft downstream from confluence of left hand and right hand forks, and 2.9 mi north of Park Valley.

DRAINAGE AREA.--8.72 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1971 to September 1973, October 1976 to current year.

REVISED RECORDS.--WDR UT-99-1: 1998, daily values.

GAGE.--Water-stage recorder. Elevation of gage is 6,250 ft above NGVD of 1929, from topographic map. Prior to August 26, 1982 at site 110 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversion for flood-flows, located approximately 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 150 ft<sup>3</sup>/s, May 28, 1983; minimum discharge, 0.14 ft<sup>3</sup>/s, Mar 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34 ft<sup>3</sup>/s, May 26, gage height, 2.33 ft; minimum daily discharge, 0.47 ft<sup>3</sup>/s, Sept. 26.

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	0.81	0.88	0.95	0.93	1.1	0.83	0.95	1.4	13	3.7	0.94	0.61
2	1.1	0.94	0.92	0.90	1.0	0.85	0.89	1.4	11	3.5	0.91	0.65
3	1.0	0.96	0.93	0.99	1.0	0.83	0.85	1.5	9.9	3.4	1.0	0.56
4	1.1	0.97	0.94	0.96	0.98	0.83	0.83	1.6	9.0	3.2	1.0	0.53
5	1.0	0.96	0.91	0.87	e0.93	0.81	0.84	1.5	8.4	3.1	0.90	0.62
6	0.95	0.96	0.93	0.96	e0.86	0.87	0.86	1.5	8.2	2.9	0.82	0.73
7	0.95	0.95	0.92	1.0	e0.80	0.83	0.91	1.5	7.7	2.8	0.77	0.63
8	0.93	1.5	0.91	e0.94	e0.71	0.87	0.91	1.7	7.4	2.7	0.74	0.59
9	0.91	1.3	0.98	e0.92	0.78	0.88	0.92	2.0	7.1	2.6	0.71	0.60
10	0.90	1.1	0.93	e0.90	0.88	0.92	0.86	2.3	6.8	2.4	0.67	0.64
11	0.89	1.1	0.88	e1.0	0.85	0.99	0.83	2.3	6.5	2.2	0.62	0.61
12	0.89	1.1	0.89	0.97	0.88	1.0	0.83	2.2	6.2	2.1	0.60	0.58
13	0.89	1.1	0.90	1.0	1.1	1.0	0.88	2.0	6.2	1.9	0.59	0.58
14	0.89	1.1	0.89	1.1	0.87	1.0	0.96	1.9	6.3	1.9	0.58	0.57
15	0.89	1.0	0.89	e1.0	0.82	1.0	1.1	1.9	6.2	1.8	0.56	0.56
16	0.89	0.99	0.80	e0.92	0.83	1.1	1.1	2.2	6.2	1.7	0.66	0.54
17	0.89	0.94	0.98	e0.94	0.86	0.93	1.1	4.6	6.1	1.6	0.60	0.60
18	0.89	1.0	0.91	e0.94	0.84	0.92	1.2	5.3	6.0	e1.6	0.58	0.61
19	0.89	0.94	e0.82	e0.92	0.84	0.97	1.2	5.2	6.0	e1.6	0.57	0.60
20	0.89	0.97	e0.83	e0.94	0.85	0.95	1.1	5.5	6.5	e1.6	0.55	0.58
21	0.89	1.0	e0.83	e0.96	0.87	0.91	1.2	6.7	6.5	e1.5	0.60	0.57
22	0.97	1.0	e0.82	e0.99	0.95	0.93	1.5	8.6	6.0	e1.3	0.83	0.55
23	1.2	1.0	e0.80	1.2	0.86	0.95	1.8	12	6.1	e1.3	0.78	0.54
24	1.1	0.98	e0.80	1.1	0.90	0.91	1.6	16	5.7	e1.3	0.64	0.52
25	0.99	1.3	e0.78	1.1	0.90	0.87	1.4	20	5.3	e1.3	0.58	0.51
26	0.95	1.0	e0.78	0.97	0.88	1.1	1.4	29	4.9	e1.4	0.57	0.47
27	0.95	0.97	e0.80	1.0	0.87	0.99	1.3	24	4.6	e1.3	0.61	0.49
28	0.95	0.95	e0.82	1.1	0.86	1.0	1.3	20	4.3	e1.2	0.58	0.48
29	1.0	0.90	e0.84	1.0	---	1.0	1.5	19	4.0	e1.1	0.70	0.48
30	1.1	0.91	e0.87	1.1	---	0.98	1.5	15	3.9	e0.90	0.67	0.48
31	0.94	---	0.88	1.2	---	0.95	---	16	---	0.92	0.62	---
TOTAL	29.59	30.77	27.13	30.82	24.87	28.97	33.62	235.8	202.0	61.82	21.55	17.08
MEAN	0.95	1.03	0.88	0.99	0.89	0.93	1.12	7.61	6.73	1.99	0.70	0.57
MAX	1.2	1.5	0.98	1.2	1.1	1.1	1.8	29	13	3.7	1.0	0.73
MIN	0.81	0.88	0.78	0.87	0.71	0.81	0.83	1.4	3.9	0.90	0.55	0.47
AC-FT	59	61	54	61	49	57	67	468	401	123	43	34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972-73, 1977-2003, BY WATER YEAR (WY)

MEAN	1.83	1.56	1.31	1.25	1.35	2.39	5.19	18.1	18.7	6.85	3.17	2.02
MAX	3.64	2.45	2.09	2.04	2.82	6.33	16.4	38.1	57.3	17.9	8.45	4.58
(WY)	(1985)	(1983)	(1983)	(1980)	(1986)	(1986)	(1986)	(1986)	(1997)	(1983)	(1983)	(1984)
MIN	0.77	0.75	0.64	0.59	0.62	0.85	1.12	3.40	3.13	1.25	0.62	0.57
(WY)	(1993)	(1995)	(1995)	(1995)	(1995)	(1977)	(2003)	(1977)	(1992)	(1994)	(2001)	(2003)

GREEN RIVER BASIN

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1972-73, 77-2003	
ANNUAL TOTAL	1,266.03		744.02			
ANNUAL MEAN	3.47		2.04		5.32	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					2.00	1994
HIGHEST DAILY MEAN	39	May 20	29	May 26	150	May 28, 1983
LOWEST DAILY MEAN	0.64	Sep 25	0.47	Sep 26	0.32	Feb 15, 1995
ANNUAL SEVEN-DAY MINIMUM	0.69	Sep 24	0.49	Sep 24	0.42	Jan 19, 1995
ANNUAL RUNOFF (AC-FT)	2,510		1,480		3,860	
10 PERCENT EXCEEDS	8.3		5.4		13	
50 PERCENT EXCEEDS	1.0		0.95		2.0	
90 PERCENT EXCEEDS	0.83		0.61		0.92	

e Estimated

