

## TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

1

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat  $41^{\circ}51'31''$ , long  $113^{\circ}19'35''$ , in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  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, 39 ft<sup>3</sup>/s, May 9, gage height, 2.14 ft; minimum daily discharge, 0.51 ft<sup>3</sup>/s, Oct 1.

DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.51	0.70	0.81	0.86	0.83	0.89	4.1	8.3	7.6	7.2	2.5	e1.2
2	0.59	0.71	0.82	e0.90	0.83	0.89	4.7	8.0	8.9	7.6	2.6	e1.2
3	0.60	0.73	0.80	e0.90	0.83	0.88	4.9	9.7	11	6.9	2.5	e1.3
4	0.57	0.71	0.80	0.89	0.79	0.89	5.2	13	15	6.5	2.3	e1.3
5	0.57	0.73	0.89	e0.80	0.80	0.86	5.9	23	19	5.9	2.2	e1.3
6	e0.69	0.74	0.91	e0.84	0.78	0.84	6.5	28	21	5.6	2.1	1.3
7	0.65	0.76	0.97	e0.84	0.78	0.94	6.7	32	20	5.3	2.0	1.2
8	0.62	0.78	0.81	e0.87	0.80	1.2	6.4	31	17	5.0	1.9	1.2
9	0.60	0.82	0.83	0.90	0.78	1.7	6.4	35	15	4.9	1.9	1.2
10	0.61	0.82	0.88	0.89	0.78	2.2	6.3	29	14	4.7	1.8	1.2
11	0.66	0.79	0.83	0.89	e0.74	2.2	6.2	26	11	4.4	1.7	1.1
12	0.65	0.80	0.81	0.89	0.69	2.2	6.3	20	9.4	4.2	1.7	1.1
13	0.67	0.89	0.85	0.89	0.74	2.3	6.2	15	8.6	4.2	1.7	1.1
14	0.69	0.88	e0.80	0.89	0.74	2.3	6.4	12	8.8	4.1	1.7	1.1
15	0.69	0.91	e0.74	0.89	0.73	2.4	6.5	10	9.6	4.7	1.7	1.1
16	0.69	0.92	0.80	0.89	e0.74	2.5	6.8	8.5	10	6.5	1.7	1.1
17	0.70	e0.97	0.80	0.89	0.78	2.6	6.8	7.7	10	4.7	1.8	1.0
18	0.69	1.1	0.82	0.89	0.78	3.0	6.5	8.7	10	4.8	1.9	1.0
19	0.70	0.96	0.87	0.89	0.79	4.0	6.5	10	11	4.4	1.9	1.2
20	0.69	0.97	0.89	0.88	0.77	4.6	6.3	11	11	4.0	1.9	1.2
21	0.70	0.88	0.89	0.84	0.78	4.8	6.4	12	10	4.1	1.8	1.2
22	0.69	0.72	0.86	0.85	0.78	5.0	6.3	11	9.8	3.9	1.8	1.1
23	0.66	0.79	0.83	0.89	0.83	5.2	6.3	10	9.4	3.6	1.9	1.1
24	0.68	0.74	0.85	0.89	0.84	5.0	6.3	7.9	9.1	3.3	1.8	1.0
25	0.68	0.80	0.89	e0.85	0.79	4.7	6.3	6.3	8.7	3.4	1.7	0.96
26	0.69	0.77	e0.80	e0.85	0.85	4.4	6.3	5.3	8.4	3.6	1.9	0.96
27	0.67	0.74	e0.80	e0.80	0.79	3.9	6.5	5.3	8.3	3.1	1.7	0.96
28	0.67	0.73	e0.84	0.79	e0.83	3.7	7.1	6.8	7.9	2.8	1.6	0.95
29	0.68	0.72	e0.84	0.80	0.93	3.8	7.8	6.9	7.8	2.7	1.5	e1.1
30	0.71	0.97	e0.89	e0.80	---	4.0	8.0	7.0	7.4	2.6	1.4	1.3
31	0.69	---	0.89	e0.76	---	4.4	---	7.1	---	2.5	1.3	---
TOTAL	20.36	24.55	26.11	26.70	22.92	88.29	188.9	431.5	334.7	141.2	57.9	34.03
MEAN	0.66	0.82	0.84	0.86	0.79	2.85	6.30	13.9	11.2	4.55	1.87	1.13
MAX	0.71	1.1	0.97	0.90	0.93	5.2	8.0	35	21	7.6	2.6	1.3
MIN	0.51	0.70	0.74	0.76	0.69	0.84	4.1	5.3	7.4	2.5	1.3	0.95
AC-FT	40	49	52	53	45	175	375	856	664	280	115	67

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972-73, 1977- 2004, BY WATER YEAR (WY)

MEAN	1.79	1.54	1.29	1.24	1.33	2.41	5.23	18.0	18.4	6.77	3.13	1.99
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)	(1997)	(1983)	(1983)	(1984)	(1984)
MIN	0.66	0.75	0.64	0.59	0.62	0.85	1.12	3.40	3.13	1.25	0.62	0.57
(WY)	(2004)	(1995)	(1995)	(1995)	(1995)	(1977)	(2003)	(1977)	(1992)	(1994)	(2001)	(2003)

## TRIBUTARIES BETWEEN GREAT SALT LAKE DESERT AND BEAR RIVER

10172952 DUNN CREEK NEAR PARK VALLEY, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1972-73, 1977-2004
ANNUAL TOTAL	727.55	1,397.16	
ANNUAL MEAN	1.99	3.82	5.27
HIGHEST ANNUAL MEAN			12.0
LOWEST ANNUAL MEAN			2.00
HIGHEST DAILY MEAN	29	May 26	150
LOWEST DAILY MEAN	0.47	Sep 26	0.32
ANNUAL SEVEN-DAY MINIMUM	0.49	Sep 25	0.42
ANNUAL RUNOFF (AC-FT)	1,440	2,770	3,820
10 PERCENT EXCEEDS	5.4	9.4	12
50 PERCENT EXCEEDS	0.90	1.2	1.9
90 PERCENT EXCEEDS	0.60	0.72	0.90

e Estimated

