



Water-Data Report 2006

10172952 DUNN CREEK NEAR PARK VALLEY, UT

Great Salt Lake Basin
Northern Great Salt Lake Desert Subbasin

LOCATION.--Lat 41°51'31", long 113°19'35" referenced to North American Datum of 1927, in NW ¼ NW ¼ NW ¼ sec.15, T.13 N., R.13 W., Box Elder County, UT, 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 mi².

SURFACE-WATER RECORDS

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 ft³/s, May 28, 1983; minimum discharge, 0.14 ft³/s, Mar 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 96 ft³/s, May 19, gage height, 2.87 ft; minimum daily discharge, 1.3 ft³/s, Nov 29-30, Dec 10,13-19.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[e, estimated; &, affected value]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.8	1.6	1.4	1.8	1.6	2.0	2.9	28	14	6.6	3.9	2.2
2	1.9	1.6	1.5	1.9	1.6	2.1	3.1	27	14	6.3	3.7	2.2
3	2.5	1.6	1.5	1.8	1.6	2.2	3.7	26	14	6.3	3.7	2.1
4	2.1	1.8	1.5	1.7	e1.5	2.1	5.0	26	16	6.0	3.5	2.1
5	2.0	1.7	1.5	1.7	e1.4	2.0	5.7	24	27	6.1	3.5	2.1
6	1.9	1.8	1.5	1.8	e1.4	2.0	5.0	23	26	5.8	e3.3	2.1
7	1.9	1.7	1.4	1.8	e1.5	2.0	5.1	23	25	5.6	e3.2	2.1
8	2.0	1.6	1.4	1.5	e1.5	1.9	5.4	23	25	5.2	e3.1	2.5
9	1.9	1.6	1.4	1.8	e1.5	1.8	6.3	22	23	4.9	e3.0	2.3
10	1.9	1.5	1.3	1.7	e1.6	2.1	6.7	22	16	4.7	e2.9	2.2
11	1.9	1.5	1.4	&1.7	1.6	1.9	6.6	22	13	4.6	e2.9	2.1
12	1.9	1.5	1.4	e1.7	1.6	1.9	7.5	24	13	4.6	e2.8	2.1
13	1.8	1.6	1.3	1.7	1.6	1.8	8.7	28	13	4.7	e2.7	2.0
14	1.8	1.8	1.3	1.8	1.7	1.9	8.7	31	13	4.6	e2.7	2.0
15	1.8	1.5	1.3	e1.7	&1.6	2.0	10	39	12	4.5	e2.6	2.2
16	1.8	1.6	1.3	1.7	e1.4	1.9	11	51	11	4.5	e2.6	2.2
17	1.7	1.5	1.3	1.7	e1.4	2.0	9.9	52	9.8	4.3	e2.5	2.1
18	1.8	1.5	1.3	1.7	e1.5	2.0	9.4	37	9.6	4.2	2.4	2.1
19	1.8	1.5	1.3	1.7	e1.5	2.0	8.6	52	9.6	4.3	2.4	2.1
20	1.7	1.5	1.4	e1.5	e1.4	2.0	8.6	57	9.2	4.6	2.3	2.2
21	1.7	1.5	1.4	e1.4	e1.4	2.0	8.8	42	8.9	4.4	2.3	2.2
22	1.7	1.5	2.1	e1.4	e1.4	1.9	10	47	8.9	4.2	2.2	2.3
23	1.7	1.4	2.5	e1.4	1.5	2.0	13	48	8.8	4.2	2.2	2.1
24	1.7	1.4	1.9	e1.4	1.5	2.2	12	44	8.2	4.2	2.1	2.0
25	1.7	1.5	1.7	e1.5	1.6	2.6	12	45	8.0	4.1	2.1	2.0
26	1.6	1.4	1.8	e1.5	1.6	2.8	12	45	7.6	3.9	2.1	2.0
27	1.7	1.7	1.7	e1.5	1.7	2.6	14	41	7.3	3.9	2.1	2.0
28	1.8	1.4	1.8	1.6	2.0	2.7	17	31	7.1	3.9	2.1	1.9
29	1.8	1.3	1.6	1.6	---	3.3	19	20	7.1	3.9	2.0	1.9
30	1.6	1.3	1.5	1.6	---	3.1	23	15	7.0	3.8	2.0	1.9
31	1.6	---	2.3	1.6	---	2.9	---	14	---	3.7	2.0	---
Total	56.5	46.4	48.0	50.9	43.2	67.7	278.7	1,029	392.1	146.6	82.9	63.3
Mean	1.82	1.55	1.55	1.64	1.54	2.18	9.29	33.2	13.1	4.73	2.67	2.11
Max	2.5	1.8	2.5	1.9	2.0	3.3	23	57	27	6.6	3.9	2.5
Min	1.6	1.3	1.3	1.4	1.4	1.8	2.9	14	7.0	3.7	2.0	1.9
Ac-ft	112	92	95	101	86	134	553	2,040	778	291	164	126

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972-73, 1977-2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.79	1.54	1.30	1.25	1.34	2.43	5.45	19.1	18.9	6.86	3.13	2.00
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)

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	Calendar Year 2005	Water Year 2006	Water Years 1972-73, 1977-2006	
Annual total	3,406.7	2,305.3		
Annual mean	9.33	6.32	5.43	
Highest annual mean			12.0	1983
Lowest annual mean			2.00	1994
Highest daily mean	60	May 23	57	May 20
Lowest daily mean	1.0	Jan 12	1.3	Nov 29
Annual seven-day minimum	1.1	Jan 6	1.3	Dec 13
Annual runoff (ac-ft)	6,760	4,570	3,940	
10 percent exceeds	33	18	13	
50 percent exceeds	2.4	2.1	2.0	
90 percent exceeds	1.3	1.5	0.91	

