



Water-Data Report 2006

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT

Lower Colorado-Lake Mead Basin
Lower Virgin Subbasin

LOCATION.--Lat 37°28'12", long 114°02'45" referenced to North American Datum of 1927, in NW ¼ SW ¼ NW ¼ sec.24, T.38 S., R.20 W., Washington County, UT, Hydrologic Unit 15010010, on left bank 0.4 mi downstream from Nevada-Utah State line and about 19 mi southwest of Enterprise.

DRAINAGE AREA.--58.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1991 to current year.

REVISED RECORDS.--WRD UT-05-1: Elevation.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,740 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion for irrigation upstream of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,760 ft³/s, Feb 24, 1998, gage height, 10.16 ft, from floodmarks - rating curve extended above 70 ft³/s on basis of slope-area measurement at gage height, 9.56 ft; no flow Aug 8, 10, 1994.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Mar 29	0630	*224	*9.79

Minimum daily discharge, 0.44 ft³/s, Aug 20.

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	2.0	3.3	5.0	e4.8	5.3	6.3	14	5.5	2.9	2.7	9.3	1.3
2	1.6	3.3	5.1	e4.8	5.3	6.0	e15	5.5	2.7	2.9	8.7	1.3
3	1.9	3.1	5.8	e4.8	5.3	6.0	e15	5.5	2.4	3.3	7.9	1.1
4	2.2	3.3	5.3	e4.9	5.3	5.8	e15	5.6	2.5	3.1	7.3	1.1
5	2.5	3.2	5.1	e4.9	5.2	5.4	e17	6.1	2.2	3.3	6.6	1.2
6	2.5	3.1	5.1	e4.9	5.2	5.8	e20	5.4	2.1	3.4	e3.8	1.5
7	2.4	3.2	4.9	e5.0	5.3	6.1	e18	e3.6	2.4	4.1	e2.3	3.1
8	2.4	3.2	e4.8	e5.0	5.3	6.1	e15	3.3	2.6	3.6	e1.3	2.6
9	2.5	3.2	e4.8	e5.0	5.3	6.2	e14	6.5	2.4	2.9	1.1	2.2
10	2.7	3.2	e4.7	e5.1	5.3	6.6	e13	4.8	2.2	3.1	1.1	1.8
11	2.7	3.7	e4.7	e5.0	5.1	6.7	e12	3.9	2.1	3.0	1.1	1.3
12	2.6	3.5	e4.6	4.9	5.2	6.7	e11	3.9	2.2	2.8	1.0	1.4
13	2.5	3.5	e4.6	5.1	5.4	6.3	e10	3.9	2.3	2.8	e1.0	1.8
14	2.4	3.4	e4.6	5.1	5.9	6.4	e11	3.7	2.2	2.3	e1.0	2.1
15	2.4	3.0	e4.6	5.2	5.6	6.8	e13	3.7	2.2	1.9	e1.0	2.3
16	2.2	3.1	e4.6	4.9	5.1	7.1	e11	4.0	2.3	1.7	e1.0	2.1
17	2.3	3.2	e4.6	4.9	5.3	7.6	e9.0	4.1	1.9	1.9	e1.0	2.5
18	3.1	3.3	e4.6	5.1	5.2	7.9	e8.0	4.3	1.8	1.9	e1.0	2.6
19	3.6	3.3	e4.6	5.2	5.3	7.9	e8.0	4.2	1.7	1.7	0.75	2.6
20	3.2	3.2	e4.6	5.2	5.3	7.8	7.1	4.2	2.1	1.5	0.44	2.4
21	3.1	3.2	4.8	5.0	5.3	7.9	7.1	3.9	2.2	1.5	0.54	2.5
22	2.9	3.4	4.7	5.1	5.3	9.1	6.7	3.9	2.1	1.5	0.74	2.8
23	2.9	3.5	4.5	4.8	5.3	11	6.7	4.3	2.0	1.3	0.83	2.9
24	3.0	3.4	4.6	5.1	5.3	14	6.4	4.1	1.9	0.97	0.91	2.3
25	3.3	3.6	4.6	5.2	5.2	15	6.2	4.0	1.6	1.2	0.95	2.9
26	3.3	4.7	e4.6	5.3	5.2	16	6.1	3.6	1.9	1.4	1.0	2.9
27	3.2	4.9	e4.6	5.3	5.0	14	5.9	2.8	2.0	1.8	1.2	2.8
28	3.5	4.8	e4.6	5.3	5.9	42	5.7	3.3	2.1	3.4	1.3	2.7
29	3.4	4.9	e4.7	5.3	---	124	5.5	3.6	2.2	23	1.5	2.7
30	3.3	5.0	e4.7	5.3	---	43	5.5	3.7	2.3	6.0	1.4	2.7
31	3.3	---	e4.7	5.3	---	24	---	3.5	---	9.0	1.3	---
Total	84.9	106.7	147.8	156.8	148.7	451.5	317.9	132.4	65.5	104.97	70.36	65.5
Mean	2.74	3.56	4.77	5.06	5.31	14.6	10.6	4.27	2.18	3.39	2.27	2.18
Max	3.6	5.0	5.8	5.3	5.9	124	20	6.5	2.9	23	9.3	3.1
Min	1.6	3.0	4.5	4.8	5.0	5.4	5.5	2.8	1.6	0.97	0.44	1.1
Ac-ft	168	212	293	311	295	896	631	263	130	208	140	130

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	4.07	4.90	5.21	18.0	26.4	34.1	17.1	5.67	2.25	1.17	2.17	1.64
Max	24.5	24.0	16.7	132	115	128	97.6	15.8	5.44	3.39	14.0	5.82
(WY)	(2005)	(2005)	(2005)	(2005)	(1993)	(1993)	(1998)	(2005)	(1995)	(2006)	(2000)	(1997)
Min	0.85	1.91	2.43	3.12	3.10	2.98	2.95	2.18	0.65	0.15	0.16	0.56
(WY)	(2004)	(2004)	(1992)	(2002)	(2002)	(2002)	(2002)	(1996)	(1996)	(1997)	(2003)	(2001)

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	Calendar Year 2005	Water Year 2006	Water Years 1992 - 2006	
Annual total	9,561.9	1,853.03		
Annual mean	26.2	5.08	10.1	
Highest annual mean			30.7	2005
Lowest annual mean			2.00	2002
Highest daily mean	839	Jan 10	124	Mar 29
Lowest daily mean	1.3	Sep 11	0.44	Aug 20
Annual seven-day minimum	1.7	Sep 6	0.74	Aug 19
Annual runoff (ac-ft)	18,970		3,680	7,340
10 percent exceeds	66		7.9	16
50 percent exceeds	4.6		3.9	3.2
90 percent exceeds	2.2		1.5	0.52

