

## VIRGIN RIVER BASIN

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09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT

LOCATION.--Lat 37°28'12", long 114°02'45", in NW<sup>1/4</sup>SW<sup>1/4</sup>NW<sup>1/4</sup> sec. 24, T. 38 S., R. 20 W., Washington County, Hydrologic Unit 15010010, Bureau of Land Management, on left bank 0.4 mi downstream from Nevada-Utah State line and about 19 mi southwest of Enterprise.

DRAINAGE AREA.--58 mi<sup>2</sup>.

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

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,760 ft above NGVD of 1929, from topographic map.

REMARKS.-- Records fair except for daily discharges less than 2.0 ft<sup>3</sup>/s and estimated daily discharge, which are poor. Some regulation of low flow by Schroeder Reservoir (capacity about 200 acre-ft) 3 miles upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,760 ft<sup>3</sup>/s, Feb 24, 1998, gage height, 10.16 ft, from floodmarks, from rating curve extended above 70 ft<sup>3</sup>/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 ft<sup>3</sup>/s and maximum (\*):

	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)		Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
	Mar 17	0430	*8.9	*4.84					

Minimum daily discharge, 0.01 ft<sup>3</sup>/s, Jul 22, 23, 24, Aug 14, 15.

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	0.77	2.4	3.2	3.1	3.3	4.0	3.1	3.1	1.4	0.29	0.12	0.38
2	1.0	2.3	3.1	3.1	3.4	3.9	3.4	3.1	1.5	0.27	0.13	0.46
3	1.4	1.9	3.1	3.1	3.3	3.8	3.5	3.0	1.6	0.32	0.08	0.55
4	1.5	2.2	3.0	3.1	3.3	3.9	3.6	2.2	1.6	0.34	0.04	0.72
5	1.6	2.4	3.0	3.1	3.3	3.8	3.7	2.9	1.5	0.30	0.03	0.91
6	1.6	2.5	3.0	3.1	3.2	3.7	3.6	2.9	1.5	0.29	0.03	1.0
7	1.8	2.6	3.1	3.1	3.2	3.7	3.7	3.1	1.5	0.23	0.03	1.0
8	1.7	3.2	3.0	3.1	3.2	3.7	3.6	3.2	1.3	0.28	0.03	1.1
9	1.7	3.5	3.0	3.2	3.2	3.8	3.5	3.2	1.3	0.31	0.03	1.1
10	1.6	3.5	3.0	3.5	3.2	3.9	3.5	3.2	1.3	0.33	0.03	1.0
11	1.6	3.0	3.0	3.6	3.2	3.9	3.5	2.8	1.3	0.34	0.02	1.0
12	1.7	3.0	3.0	3.4	3.4	3.9	3.5	3.0	1.3	0.34	0.02	0.95
13	1.6	3.0	2.9	3.3	4.0	3.7	3.3	3.0	1.3	0.27	0.02	0.86
14	1.5	2.9	2.9	3.2	3.8	3.7	3.6	2.9	1.2	0.18	0.01	0.63
15	1.5	2.9	2.9	3.2	3.7	3.8	4.0	2.8	0.85	0.14	0.01	0.44
16	1.6	2.8	3.0	3.2	3.8	4.9	3.8	2.8	0.64	0.12	0.02	0.29
17	1.6	3.1	3.1	3.1	3.7	7.1	3.8	2.5	0.71	0.09	0.02	0.31
18	1.7	3.4	3.0	3.1	3.5	6.4	3.8	1.9	0.84	0.09	0.03	0.39
19	1.5	3.2	3.0	3.2	3.5	5.0	3.6	2.1	0.90	0.07	0.05	0.58
20	1.6	3.1	3.0	3.3	3.5	4.7	2.9	2.1	0.89	0.04	0.05	0.64
21	2.1	3.1	3.0	3.3	3.5	4.4	3.2	2.2	0.89	0.02	0.08	0.47
22	2.3	3.1	3.0	3.3	3.5	4.1	3.4	2.2	0.90	0.01	0.30	0.43
23	2.4	3.1	3.0	3.3	3.5	3.8	3.7	2.3	0.91	e0.01	0.16	0.45
24	2.4	3.1	3.0	3.3	3.6	4.0	3.6	2.3	1.0	0.01	0.15	0.49
25	2.4	3.1	3.0	3.3	4.0	4.0	3.6	1.9	1.00	0.03	0.22	0.52
26	2.4	3.0	3.0	3.2	3.9	4.0	3.6	1.9	1.00	0.04	0.37	0.54
27	2.8	3.0	3.0	3.3	4.1	4.0	3.4	2.0	0.97	0.04	0.54	0.55
28	2.6	3.0	3.1	3.3	4.0	4.0	3.5	1.9	0.85	0.05	0.63	0.51
29	2.6	3.0	3.2	3.2	---	3.8	3.2	1.9	0.54	0.08	0.74	0.46
30	2.5	3.1	3.1	3.3	---	3.1	3.1	1.9	0.37	0.10	0.64	0.50
31	2.4	---	3.1	3.3	---	2.8	---	2.0	---	0.11	0.34	---
TOTAL	57.47	87.5	93.8	100.2	98.8	127.3	105.3	78.3	32.86	5.14	4.97	19.23
MEAN	1.85	2.92	3.03	3.23	3.53	4.11	3.51	2.53	1.10	0.17	0.16	0.64
MAX	2.8	3.5	3.2	3.6	4.1	7.1	4.0	3.2	1.6	0.34	0.74	1.1
MIN	0.77	1.9	2.9	3.1	3.2	2.8	2.9	1.9	0.37	0.01	0.01	0.29
AC-FT	114	174	186	199	196	252	209	155	65	10	9.9	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	2.74	3.67	4.23	10.8	26.4	36.1	16.9	5.21	2.33	0.93	2.12	1.64
MAX	7.75	6.66	9.59	55.2	115	128	97.6	14.6	5.44	2.86	14.0	5.82
(WY)	(2001)	(2001)	(1995)	(1993)	(1993)	(1993)	(1998)	(1998)	(1995)	(1998)	(2000)	(1997)
MIN	1.37	2.60	2.43	3.12	3.10	2.98	2.95	2.18	0.65	0.15	0.16	0.56
(WY)	(2002)	(1997)	(1992)	(2002)	(2002)	(2002)	(2002)	(1996)	(1996)	(1997)	(2003)	(2001)

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09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1992 - 2003
ANNUAL TOTAL	746.65	810.87	
ANNUAL MEAN	2.05	2.22	9.32
HIGHEST ANNUAL MEAN			29.0
LOWEST ANNUAL MEAN			2.00
HIGHEST DAILY MEAN	3.6	7.1	1,140
LOWEST DAILY MEAN	0.01	0.01	0.00
ANNUAL SEVEN-DAY MINIMUM	0.02	0.02	0.02
ANNUAL RUNOFF (AC-FT)	1,480	1,610	6,750
10 PERCENT EXCEEDS	3.1	3.7	12
50 PERCENT EXCEEDS	2.7	2.9	3.2
90 PERCENT EXCEEDS	0.34	0.13	0.48

e Estimated

