

## VIRGIN RIVER BASIN

1

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)
	Dec 26	0415	*246	*6.86				No other peak greater than base discharge.	

Minimum daily discharge, 0.08 ft<sup>3</sup>/s, Jul 6.

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	0.52	1.5	2.7	e4.8	3.3	19	7.8	3.8	1.3	0.73	0.21	0.34
2	0.53	1.0	2.3	e4.8	3.3	17	8.9	3.1	1.4	0.71	0.13	0.39
3	0.55	1.8	2.3	e4.8	3.8	16	9.6	3.4	1.5	0.62	0.24	0.47
4	0.50	1.8	2.2	e4.1	3.5	20	8.9	3.5	1.6	0.35	0.30	0.48
5	0.46	1.7	2.2	e3.7	3.4	20	8.4	3.5	1.1	0.17	0.35	0.62
6	0.36	1.7	2.2	e3.4	3.4	20	7.7	3.4	0.90	0.08	0.36	0.60
7	0.34	1.7	2.2	e3.4	3.4	28	7.7	3.2	0.82	0.20	0.33	0.51
8	0.54	1.7	2.3	e3.4	3.4	44	8.0	3.1	1.1	0.30	0.27	0.60
9	0.65	1.8	2.2	e3.4	3.4	63	8.1	2.6	1.2	0.37	0.31	0.65
10	0.76	1.9	2.2	e3.4	3.3	57	7.8	2.7	1.3	0.37	0.39	0.68
11	0.73	1.9	2.2	e3.2	3.4	45	7.1	2.3	1.4	0.24	0.39	0.76
12	0.55	1.9	2.1	e3.2	3.3	32	6.8	2.4	1.2	0.19	0.40	0.77
13	0.56	2.6	2.1	e3.2	3.3	28	6.4	2.6	0.74	0.22	0.42	0.49
14	0.63	2.3	2.1	3.3	3.3	26	6.3	2.6	0.48	0.29	0.40	0.47
15	0.73	2.1	2.2	3.4	3.3	24	6.0	2.5	0.50	0.63	0.35	0.56
16	0.82	2.6	2.1	3.4	3.3	22	5.9	2.1	0.71	0.80	0.28	0.65
17	0.89	2.4	2.1	3.3	3.3	19	4.6	2.3	0.90	0.85	0.28	0.71
18	0.86	2.2	2.1	3.3	3.4	17	3.7	2.2	1.0	0.85	0.34	0.83
19	0.76	2.1	2.1	3.3	3.5	16	4.7	2.2	0.94	0.71	0.41	0.84
20	0.95	2.1	2.1	3.3	3.5	16	5.1	2.2	0.62	0.71	0.38	0.89
21	1.1	2.1	2.2	3.3	4.0	14	5.1	2.2	0.75	0.72	0.49	1.1
22	1.1	2.1	2.2	3.3	4.9	15	5.0	2.1	0.81	0.71	0.52	1.1
23	1.1	2.0	2.2	3.3	8.0	13	5.0	1.1	0.81	0.66	0.41	1.1
24	1.1	1.6	2.3	3.3	12	13	4.8	1.4	0.98	0.54	0.43	1.1
25	1.1	1.7	5.7	3.3	13	12	4.5	1.7	0.98	0.40	0.49	1.1
26	1.0	1.9	78	3.3	36	11	4.4	1.8	0.87	0.21	0.52	1.2
27	1.2	1.9	16	3.3	41	10	4.4	1.9	0.56	0.31	0.50	1.3
28	1.3	1.7	e9.2	3.3	26	9.5	4.4	1.9	0.47	0.35	0.36	1.4
29	1.5	1.4	e7.3	3.3	21	8.6	4.0	2.0	0.69	0.34	0.26	1.4
30	1.5	2.2	6.8	3.3	---	8.3	4.3	1.7	0.72	0.33	0.21	1.6
31	1.6	---	e5.2	3.4	---	7.9	---	1.2	---	0.30	0.29	---
TOTAL	26.29	57.4	181.1	108.5	233.7	671.3	185.4	74.7	28.35	14.26	11.02	24.71
MEAN	0.85	1.91	5.84	3.50	8.06	21.7	6.18	2.41	0.94	0.46	0.36	0.82
MAX	1.6	2.6	78	4.8	41	63	9.6	3.8	1.6	0.85	0.52	1.6
MIN	0.34	1.0	2.1	3.2	3.3	7.9	3.7	1.1	0.47	0.08	0.13	0.34
AC-FT	52	114	359	215	464	1,330	368	148	56	28	22	49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	2.60	3.54	4.35	10.2	24.9	35.0	16.1	5.00	2.23	0.90	1.98	1.57
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	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)	(1996)	(1996)	(1997)	(2003)	(2001)	

## VIRGIN RIVER BASIN

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1992 - 2004
ANNUAL TOTAL	836.89	1,616.73	
ANNUAL MEAN	2.29	4.42	
HIGHEST ANNUAL MEAN			8.94
LOWEST ANNUAL MEAN			29.0
HIGHEST DAILY MEAN	78	Dec 26	2.00
LOWEST DAILY MEAN	0.01	Jul 22	2002
ANNUAL SEVEN-DAY MINIMUM	0.02	Aug 11	
ANNUAL RUNOFF (AC-FT)	1,660	3,210	1,140
10 PERCENT EXCEEDS	3.8	9.5	Feb 24, 1998
50 PERCENT EXCEEDS	2.1	2.1	0.00 Aug 8, 1994
90 PERCENT EXCEEDS	0.13	0.37	0.02 Aug 11, 2003
			6,480 11 3.1 0.46

e Estimated

