

09408135 VIRGIN RIVER ABOVE QUAIL CREEK, NEAR HURRICANE, UT

LOCATION.--Lat 37°11'28", long 113°21'19", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec. 30, T. 41 S., R. 13 W., Washington County, Hydrologic Unit 15010008, with permission of Interstate Rock Products, on left bank. Located 2.4 mi upstream of Quail Creek, 3.9 mi northwest of Hurricane, and 4.3 mi upstream of State Highway 9 bridge over Virgin River.

DRAINAGE AREA.--1,314 mi².

PERIOD OF RECORD.--February 1989 to September 1990, April 1992 to September 1993, April to September 2004.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,820 ft above NGVD of 1929, from topographic map. February 15, 1989 to September 30, 1990 at site 1.0 mi downstream at different datum. April 9, 1992 to September 30, 1990 at site 2.0 mi downstream at different datum.

REMARKS.--Records good except for Sep 6-21, which are fair, and estimated daily discharges, which are poor. Many diversion upstream of gage. Since June 1985, flow diverted about 11 mi upstream into pipeline that feed Quail Creek Reservoir, an offstream site 2.4 mi downstream of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,540 ft³/s, Feb 20, 1993, gage height, 9.60 ft, datum then in use, from rating curve extended above 2,800 ft³/s on basis of slope-area measurement at gage height 9.60 ft; minimum daily discharge, 20 ft³/s, Jul 25-27, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 412 ft³/s, Jul 16, gage height 11.35 ft from rating curve extended above 180 ft³/s on basis of slope-area measurement at gage height 18.68 ft. Minimum daily discharge, 26 ft³/s, July 14.

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	---	---	---	---	---	---	---	85	52	38	56	34
2	---	---	---	---	---	---	---	99	45	39	59	35
3	---	---	---	---	---	---	---	103	50	34	58	34
4	---	---	---	---	---	---	---	118	48	37	56	34
5	---	---	---	---	---	---	---	119	50	40	53	39
6	---	---	---	---	---	---	---	107	50	e31	63	40
7	---	---	---	---	---	---	---	91	52	e27	53	42
8	---	---	---	---	---	---	---	73	45	e29	52	33
9	---	---	---	---	---	---	---	78	44	e30	48	36
10	---	---	---	---	---	---	---	73	43	e29	42	45
11	---	---	---	---	---	---	---	71	46	e30	37	44
12	---	---	---	---	---	---	---	70	44	36	43	48
13	---	---	---	---	---	---	---	68	42	e30	45	46
14	---	---	---	---	---	---	---	65	42	e26	53	42
15	---	---	---	---	---	---	---	63	42	e28	55	50
16	---	---	---	---	---	---	---	65	41	135	59	45
17	---	---	---	---	---	---	---	63	46	84	62	44
18	---	---	---	---	---	---	---	61	43	68	121	47
19	---	---	---	---	---	---	---	61	43	48	e76	101
20	---	---	---	---	---	---	---	64	41	46	e86	96
21	---	---	---	---	---	---	---	59	45	43	e86	58
22	---	---	---	---	---	---	---	67	37	46	e70	e56
23	---	---	---	---	---	---	---	73	e27	45	e49	e49
24	---	---	---	---	---	---	---	73	36	41	e39	e46
25	---	---	---	---	---	---	---	65	35	48	37	e43
26	---	---	---	---	---	---	---	64	35	55	42	e51
27	---	---	---	---	---	---	---	62	38	54	37	e46
28	---	---	---	---	---	---	---	55	37	55	36	e40
29	---	---	---	---	---	---	---	57	50	52	41	e55
30	---	---	---	---	---	---	94	59	43	52	41	e98
31	---	---	---	---	---	---	---	57	---	42	37	---
TOTAL	---	---	---	---	---	---	---	2,288	1,292	1,398	1,692	1,477
MEAN	---	---	---	---	---	---	---	73.8	43.1	45.1	54.6	49.2
MAX	---	---	---	---	---	---	---	119	52	135	121	101
MIN	---	---	---	---	---	---	---	55	27	26	36	33
AC-FT	---	---	---	---	---	---	---	4,540	2,560	2,770	3,360	2,930