

10205000 SEVIER RIVER NEAR SIGURD, UT

LOCATION.--Lat $38^{\circ}52'24''$, long $111^{\circ}57'12''$, in SW $_{1/4}$ NE $_{1/4}$ SW $_{1/4}$ sec. 19, T. 22 S., R. 1 W., Sevier County, Hydrologic Unit 16030003, on left bank 200 ft downstream from county road bridge, 0.5 mi downstream from Rocky Ford Dam, 2.3 mi northeast of Sigurd, and 5.0 mi upstream from Lost Creek.

DRAINAGE AREA.--3,375 mi 2 .

PERIOD OF RECORD.--July to September 1912, July 1914 to current year. Prior to October 1938, published as "near Vermillion."

REVISED RECORDS.--WSP 1394: 1927-28, 1947.

GAGE.--Water-stage recorder. Elevation of gage is 5,180 ft from topographic map. July 15, to September 23, 1912, nonrecording gage 0.3 mi downstream at different datum. July 31, 1914 to April 19, 1917, nonrecording gage and April 20, 1917 to September 30, 1934, water-stage recorder at present site at datum 1.5 ft higher. October 1, 1934 to October 1, 1990, at datum 3.5 ft higher.

REMARKS.--Records good except for discharges less than 5 ft 3 /s, which are poor. Flow regulated by Rocky Ford Reservoir (capacity 1,700 acre-feet) 0.5 mi upstream. During irrigation season practically entire flow through Rocky Ford Dam is diverted above station for irrigation below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft 3 /s, May 30, 1922, gage height, 9.6 ft, present datum, from rating curve extended above 600 ft 3 /s on basis of maximum discharge for other Sevier River stations; practically no flow (seepage only) at times when Rocky Ford Reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 284 ft 3 /s, Dec 7, gage height, 5.98 ft; minimum daily discharge, 1.9 ft 3 /s, May 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	152	114	120	110	129	49	2.0	35	2.8	4.1	201
2	38	141	106	118	113	128	38	1.9	31	2.8	3.9	193
3	40	127	104	114	119	129	31	4.2	23	3.4	3.8	61
4	29	124	102	114	124	131	23	4.9	18	3.6	3.3	52
5	22	119	103	115	122	70	12	6.5	7.6	3.7	3.6	65
6	22	111	81	117	122	23	5.8	8.5	3.9	3.3	3.9	52
7	22	102	127	118	124	24	6.7	4.3	3.8	4.9	3.5	41
8	33	101	112	117	126	26	7.6	3.4	3.8	11	3.2	42
9	48	103	110	121	118	30	13	4.2	4.1	18	3.0	37
10	56	103	106	128	114	45	18	4.4	5.1	18	3.0	40
11	62	104	103	124	121	91	18	25	4.8	26	3.2	54
12	65	102	104	126	128	107	19	44	4.2	50	6.3	57
13	69	99	110	126	125	113	20	41	4.2	65	7.2	67
14	83	95	126	122	131	114	16	40	4.4	72	5.1	72
15	100	103	119	123	131	113	13	48	4.5	81	3.7	67
16	77	110	116	123	125	113	11	40	4.4	93	3.4	55
17	79	108	115	120	124	113	8.3	63	3.9	103	3.5	44
18	75	101	110	112	125	114	5.6	120	3.3	101	4.1	30
19	77	100	100	108	128	114	3.8	122	3.0	95	4.1	13
20	80	106	115	119	126	113	3.5	113	2.9	73	4.0	12
21	83	109	112	126	124	113	4.7	89	2.9	53	4.8	14
22	92	112	118	117	124	112	5.2	45	13	30	5.2	13
23	104	113	125	123	127	111	4.5	12	13	12	5.0	13
24	103	111	117	122	127	114	4.2	4.5	2.9	5.2	4.5	9.9
25	99	112	121	125	124	117	3.9	4.8	2.9	4.6	5.3	6.6
26	105	111	121	124	121	115	3.4	5.1	3.0	4.8	7.9	5.8
27	101	113	117	122	124	104	2.6	7.0	3.0	4.9	7.6	6.0
28	109	113	116	121	126	92	2.6	12	3.0	4.8	6.8	6.2
29	112	112	121	119	---	84	2.3	30	3.0	4.3	5.1	6.5
30	107	116	119	115	---	68	2.1	44	3.0	4.1	43	7.6
31	138	---	119	115	---	67	---	39	---	4.0	141	---
TOTAL	2266	3333	3489	3714	3453	2937	357.8	992.7	224.6	962.2	316.1	1343.6
MEAN	73.1	111	113	120	123	94.7	11.9	32.0	7.49	31.0	10.2	44.8
MAX	138	152	127	128	131	131	49	122	35	103	141	201
MIN	22	95	81	108	110	23	2.1	1.9	2.9	2.8	3.0	5.8
AC-FT	4490	6610	6920	7370	6850	5830	710	1970	445	1910	627	2670

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2001, BY WATER YEAR (WY)

MEAN	89.8	119	137	142	171	172	129	131	134	35.5	35.4	53.6
MAX	304	700	591	505	693	634	836	1468	2002	367	192	335
(WY)	1917	1917	1985	1984	1984	1984	1984	1922	1983	1983	1920	1985
MIN	15.0	34.6	35.4	45.4	57.9	42.7	4.44	2.87	1.47	.88	1.06	.59
(WY)	1952	1957	1957	1964	1935	1935	1972	1925	1953	1954	1963	1956

SUMMARY STATISTICS FOR 2000 CALENDAR YEAR FOR 2001 WATER YEAR FOR WATER YEARS 1915 - 2001

ANNUAL TOTAL	40887.0					23389.0							
ANNUAL MEAN	112					64.1					113		
HIGHEST ANNUAL MEAN											482		
LOWEST ANNUAL MEAN											38.7		
HIGHEST DAILY MEAN	382					Jan 27					2370		
LOWEST DAILY MEAN	2.3					May 7					.00		
ANNUAL SEVEN-DAY MINIMUM	2.8					May 3					.00		
ANNUAL RUNOFF (AC-FT)	81100										81890		
10 PERCENT EXCEEDS	337										243		
50 PERCENT EXCEEDS	66										78		
90 PERCENT EXCEEDS	3.6										2.8		