09312600 WHITE RIVER BELOW TABBYUNE CREEK, NEAR SOLDIER SUMMIT, UT

LOCATION.--Lat 39°52'33", long 111°02'12", in NE$^1/_4$SE$^1/_4$SW$^1/_4$ sec. 9, T. 11 S., R. 8 E., Utah County, Hydrologic Unit 14060007, 50 ft downstream from bridge on U.S. Highways 6-50, 1.5 mi downstream from Tabbyune Creek, 2.5 mi northwest of the Colton railroad siding, and 4.5 mi southeast of Soldier Summit.

DRAINAGE AREA.--75.6 mi^2.

PERIOD OF RECORD.--May 1967 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,230 ft above sea level, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 962 ft$^3/_s$ May 27, 1983, gage height, 5.82 ft; no flow many days August and September 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft$^3/_s$ and maximum (*):

Date	Time	Discharge (ft$^3/_s$)	Gage height (ft)	Date	Time	Discharge (ft$^3/_s$)	Gage (ft)
Apr. 23	1800	226	*3.08	May 14	0830	406	3.94
Apr. 30	0730	*418	*3.99	.			

Minimum daily discharge, 3.5 ft$^3/_s$ Feb. 6.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	5.8	e4.7	e3.8	e4.0	e3.8	60	333	116	29	14	8.6
2	5.1	5.0	e4.7	e4.0	e4.1	e3.9	54	280	112	28	14	7.9
3	5.3	5.1	e4.5	e4.7	e4.0	e3.9	55	258	105	28	14	9.7
4	7.6	5.1	e4.7	e4.6	e4.2	e3.8	60	246	99	27	17	9.5
5	5.4	5.5	e4.9	e4.6	e3.7	e3.9	54	276	95	26	18	8.0
6	5.3	5.9	e5.1	e4.5	e3.5	e3.9	48	324	89	26	15	7.6
7	5.1	e5.9	e4.7	e4.4	e3.6	e4.0	47	358	84	25	15	8.0
8	4.9	e5.9	e4.3	e4.5	e4.0	e4.1	47	357	84	23	12	7.9
9	4.8	e5.9	e3.8	e4.6	e4.5	e4.2	48	367	88	23	11	7.3
10	5.0	e6.0	e3.8	e4.8	e4.8	e4.3	44	376	81	23	13	8.6
11	4.8	e5.6	e3.9	e4.5	e5.2	e4.4	39	377	72	22	11	9.0
12	4.8	5.3	e4.0	e4.2	e5.5	e4.5	35	382	66	22	13	8.5
13	4.8	5.2	e4.0	e4.2	e5.2	e4.7	34	385	66	22	12	6.9
14	4.9	4.8	e4.1	e4.3	e4.5	e4.9	34	377	64	20	11	7.3
15	5.2	e5.2	e4.2	e4.0	e4.0	e5.2	40	370	61	20	10	7.4
16	4.8	e5.4	e4.3	e3.8	e3.8	e9.0	57	348	57	19	9.6	8.4
17	4.8	e5.4	e4.1	e3.8	e3.7	e15	85	323	53	19	9.5	7.0
18	4.5	e5.4	e3.9	e4.0	e4.1	e20	112	292	50	19	9.9	14
19	5.0	e5.5	e4.1	e4.3	e4.0	e35	136	264	48	21	9.2	20
20	5.5	e5.6	e4.3	e4.3	e3.9	e59	155	243	45	19	8.8	13
21	5.5	e5.8	e4.4	e4.2	e3.8	e80	184	224	43	18	11	12
22	e5.5	e6.8	e4.5	e4.4	e3.9	e80	192	208	41	17	13	10
23	5.5	e6.0	e4.5	e4.1	e4.0	e85	213	189	39	18	8.9	9.5
24	5.0	e6.0	e4.4	e4.2	e4.1	e82	194	183	38	18	8.5	9.4
25	5.6	e5.5	e4.5	e4.3	e3.8	e74	173	174	36	16	8.0	9.1
26	5.9	e5.0	e4.6	e4.4	e3.9	e62	162	157	35	15	7.7	11
27	e5.9	e5.0	e4.4	e4.0	e4.0	e70	191	142	34	15	7.8	10
28	5.9	e4.8	e4.0	e4.0	e3.9	e70	270	133	32	16	7.5	9.4
29	5.9	e5.0	e3.9	e4.0	---	e70	337	128	32	18	7.6	8.9
30	5.9	e4.7	e3.9	e4.0	---	e64	334	126	30	15	7.2	8.7
31	5.9	---	e3.9	e4.1	---	e64	---	121	---	15	7.6	---
TOTAL	165.2	164.1	133.1	131.6	115.7	1002.5	3494	8321	1895	642	341.8	282.6
MEAN	5.33	5.47	4.29	4.25	4.13	32.3	116	268	63.2	20.7	11.0	9.42
MAX	7.6	6.8	5.1	4.8	5.5	85	337	385	116	29	18	20
MIN	4.5	4.7	3.8	3.8	3.5	3.8	34	121	30	15	7.2	6.9
AC-FT	328	325	264	261	229	1990	6930	16500	3760	1270	678	561

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 1997, BY WATER YEAR (WY)

MEAN	5.71	5.32	4.48	4.11	5.01	13.4	64.7	160	56.2	15.8	7.30	5.13
MAX	11.9	9.91	8.16	7.68	20.3	55.1	169	416	209	41.2	22.8	11.7
(WY)	1985	1983	1984	1984	1986	1986	1986	1984	1983	1983	1983	1980
MIN	1.60	2.06	1.46	.64	1.90	2.73	5.68	4.37	1.95	.48	.016	.12
(WY)	1978	1991	1977	1977	1969	1991	1977	1977	1977	1977	1977	1977

SUMMARY STATISTICS	FOR 1996 CALENDAR YEAR		FOR 1997 WATER YEAR		WATER YEARS 1968 - 1997	
ANNUAL TOTAL	10859.2		16688.6			
ANNUAL MEAN	29.7		45.7		29.1	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	255	May 13	385	May 13	927	May 27 1983
LOWEST DAILY MEAN	2.8	Sep 3	3.5	Feb 6	.00	Aug 6 1977
ANNUAL SEVEN-DAY MINIMUM	3.0	Sep 1	3.9	Feb 1	.00	Aug 6 1977
ANNUAL RUNOFF (AC-FT)	21540		33100		21070	
10 PERCENT EXCEEDS	90		156		76	
50 PERCENT EXCEEDS	5.8		8.0		6.6	
90 PERCENT EXCEEDS	3.8		4.0		2.5	

e Estimated