

09291000 LAKE FORK RIVER BELOW MOON LAKE, NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'23", long 110°29'02", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 20, T. 2 N., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 2,000 ft downstream from Moon Lake Dam, 2 mi downstream from Brown Duck Creek, and 12 mi northwest of Mountain Home.

DRAINAGE AREA.--112 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1921 to September 1934 (fragmentary), April 1942 to current year. Published as West Fork of Lake Fork near Mountain Home 1921-34, and as Lake Fork Below Moon Lake, near Mountain Home 1942-65.

REVISED RECORDS.--WSP 1313: 1930 (M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,970 ft above sea level by barometer. Prior to April 1942, at damsite 2,000 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Moon Lake Reservoir (see station 09290500). No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,180 ft<sup>3</sup>/s, Jun 19, 1949, gage height, 4.83 ft, from rating curve extended above 860 ft<sup>3</sup>/s; maximum gage height, 5.46 ft, Jun 26, 1944; no flow at times when reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,220 ft<sup>3</sup>/s, May 24, gage height, 4.19 ft; no flow on many days.

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	.00	e.00	.00	.00	.00	.00	.00	110	647	271	360	158
2	.00	e.00	.00	.00	.00	.00	.00	111	617	271	358	172
3	.00	e.00	.00	.00	.00	.00	.00	113	537	270	356	277
4	.00	e.00	.00	.00	.00	.00	.00	139	440	269	354	196
5	.00	e.00	.00	.00	.00	.00	.00	173	365	268	365	154
6	.00	e.00	.00	.00	.00	.00	.00	313	302	268	536	151
7	.00	e.00	.00	.00	.00	.00	.00	312	375	267	529	150
8	.00	e.00	.00	.00	.00	.00	.00	310	376	266	525	149
9	.00	e.00	.00	.00	.00	.00	.00	334	386	266	518	148
10	.00	e.00	.00	.00	.00	.00	.00	357	378	265	510	136
11	.00	e.00	.00	.00	.00	.00	.00	360	329	264	504	60
12	e.00	e.00	.00	.00	.00	.00	.00	303	343	263	454	59
13	e.00	e.00	.00	.00	.00	.00	.00	244	261	263	276	59
14	e.00	e.00	.00	.00	.00	.00	.00	240	217	263	171	59
15	e.00	e.00	.00	.00	.00	.00	.00	237	329	263	170	59
16	e.00	e.00	.00	.00	.00	.00	.00	240	469	263	170	58
17	e.00	e.00	.00	.00	.00	.00	.00	245	466	242	169	71
18	e.00	e.00	.00	.00	.00	.00	.00	249	463	230	170	81
19	e.00	e.00	.00	.00	.00	.00	.00	252	382	262	171	81
20	e.00	e.00	.00	.00	.00	.00	.00	251	303	280	170	81
21	e.00	e.00	.00	.00	.00	.00	.00	253	302	279	169	81
22	e.00	e.00	.00	.00	.00	.00	.00	253	301	283	168	80
23	e.00	e.00	.00	.00	.00	.00	.00	372	299	346	168	80
24	e.00	e.00	.00	.00	.00	.00	.00	911	298	353	167	80
25	e.00	e.00	.00	.00	.00	.00	.00	921	265	360	167	63
26	e.00	e.00	.00	.00	.00	.00	.00	871	244	376	166	43
27	e.00	e.00	.00	.00	.00	.00	.00	787	244	374	162	42
28	e.00	e.00	.00	.00	.00	.00	14	730	247	371	162	39
29	e.00	e.00	.00	.00	---	.00	101	721	264	371	161	41
30	e.00	.00	.00	.00	---	.00	110	710	272	369	160	41
31	e.00	---	.00	.00	---	.00	---	639	---	365	159	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	225.00	12061	10721	9121	8645	2949
MEAN	.000	.000	.000	.000	.000	.000	7.50	389	357	294	279	98.3
MAX	.00	.00	.00	.00	.00	.00	110	921	647	376	536	277
MIN	.00	.00	.00	.00	.00	.00	.00	110	217	230	159	39
AC-FT	.00	.00	.00	.00	.00	.00	446	23920	21270	18090	17150	5850

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2001, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)	MEAN	MAX	MIN	(WY)
	49.9	202	.000	1983	7.46	120	.000	1966	.98	17.3	.000	1984
	1.51	28.2	.000	1984	2.35	44.4	.000	1966	3.53	72.3	.000	1943
	48.0	202	.000	1943	301	555	.000	1969	373	920	.000	1945
	356	717	155	1995	249	410	35.6	1944	140	326	.000	1982
	140	410	1984	1984	140	1989	1992	1984	140	1989	1992	1984

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR	FOR 2001 WATER YEAR	WATER YEARS 1943 - 2001
ANNUAL TOTAL	38462.00	43722.00	
ANNUAL MEAN	105	120	128
HIGHEST ANNUAL MEAN			211
LOWEST ANNUAL MEAN			60.9
HIGHEST DAILY MEAN	689	921	2000
LOWEST DAILY MEAN	.00	.00	.00
ANNUAL SEVEN-DAY MINIMUM	.00	.00	.00
ANNUAL RUNOFF (AC-FT)	76290	86720	93090
10 PERCENT EXCEEDS	378	362	365
50 PERCENT EXCEEDS	5.7	.00	14
90 PERCENT EXCEEDS	.00	.00	.00

e Estimated