10146000 SALT CREEK AT NEPHI, UT

LOCATION.--Lat 39°42'47", long 111°48'13", in SE¼SW¼NE¼, sec. 3, T. 13 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on right bank 1.7 mi east of Nephi.

DRAINAGE AREA.--95.6 mi^2.

PERIOD OF RECORD.--December 1950 to September 1980, August 1993 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5,280.00 ft above NGVD of 1929. December 2, 1950 to November 7, 1952, at a site 0.5 mi downstream at datum 31.96 ft lower. November 7, 1952 to November 10, 1971, at a site 0.5 mi downstream at datum 30.53 ft lower.

REMARKS.--Records good. Flow regulated by Nephi City powerplant diversion dam about 5.0 mi above gage since December 1984.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 832 ft^3/s, Aug 1, 1968, gage height, 6.43 ft from floodmarks; minimum, 1.1 ft^3/s, Dec 13, 1951 and Dec 11, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60 ft^3/s, Aug 2, gage height, 2.19 ft; minimum daily discharge, 2.6 ft^3/s, Dec 24.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	3.9	3.3	6.0	6.3	7.6	5.9	6.3	50	12	7.3	6.1
2	4.9	4.1	3.3	5.7	6.7	7.6	6.5	6.3	46	12	9.9	6.1
3	5.2	4.8	3.3	5.7	6.9	7.6	6.6	6.5	37	11	7.8	6.3
4	4.5	5.2	3.3	5.8	6.8	8.1	6.5	6.6	31	11	8.4	5.9
5	4.2	5.3	3.3	5.7	6.4	8.0	6.8	6.6	25	11	8.1	5.7
6	4.2	5.5	3.3	5.7	5.7	8.0	7.0	6.1	22	11	7.5	6.0
7	4.0	5.5	3.3	5.7	4.6	8.1	7.0	6.0	21	11	7.1	6.0
8	3.9	5.7	3.3	5.7	3.9	7.9	7.0	6.3	19	11	6.9	6.0
9	3.8	6.9	3.3	5.7	4.9	7.6	7.0	6.3	18	11	6.6	6.0
10	3.7	7.0	3.4	5.9	6.1	7.6	7.0	6.0	16	11	6.6	6.1
11	3.8	6.9	3.2	6.0	6.6	7.0	6.9	6.0	15	11	6.3	6.1
12	3.7	6.4	3.1	6.0	6.6	6.1	6.6	6.0	15	10	6.0	6.0
13	3.7	5.6	3.1	5.7	7.0	5.7	6.6	6.1	15	10	5.5	6.0
14	3.8	4.6	3.1	5.7	7.6	5.5	6.6	7.1	12	10	5.6	6.0
15	3.9	4.2	3.1	5.9	7.4	5.5	6.9	12	12	9.3	6.0	5.8
16	3.9	4.0	3.2	5.8	7.3	5.5	6.7	18	11	9.1	6.0	5.6
17	3.9	3.9	3.5	6.0	7.3	5.4	6.6	27	13	9.1	6.3	5.5
18	3.9	3.7	3.3	6.0	7.3	5.2	6.9	35	12	9.0	6.2	5.5
19	3.9	3.7	2.8	6.0	7.3	5.2	7.0	42	13	8.7	6.0	5.5
20	3.9	3.5	2.9	6.0	7.3	4.9	6.7	34	17	8.7	5.9	5.5
21	3.9	3.5	3.4	6.2	7.2	4.7	6.6	31	16	8.6	5.7	5.5
22	3.9	3.3	3.2	6.2	6.2	4.7	6.7	32	12	8.2	6.4	5.5
23	3.9	3.3	2.8	6.0	5.3	4.7	6.6	34	13	8.1	7.0	5.5
24	4.0	3.3	2.6	6.1	5.2	4.9	6.6	35	19	8.4	7.3	5.5
25	3.9	3.3	3.4	6.1	6.4	4.8	6.6	38	16	8.5	7.1	5.5
26	3.9	3.3	3.0	6.3	7.0	4.5	6.7	41	12	8.4	7.0	5.5
27	3.9	3.2	4.0	6.3	7.2	5.4	7.0	42	12	8.2	6.7	5.5
28	3.9	3.2	5.6	6.3	7.4	5.0	6.7	45	12	8.0	6.3	5.5
29	3.9	3.3	5.9	6.3	---	4.7	6.6	49	12	8.0	6.3	5.5
30	3.9	3.3	6.0	6.3	---	4.7	6.6	52	12	7.8	6.3	5.5
31	3.9	---	6.0	6.3	---	4.8	---	51	---	7.6	6.3	---
TOTAL	125.3	133.4	110.3	185.1	181.9	187.0	201.5	706.2	556	296.7	208.4	172.7
MEAN	4.04	4.45	3.56	5.97	6.50	6.03	6.72	22.8	18.5	9.57	6.72	5.76
MAX	5.5	7.0	6.0	6.3	7.6	8.1	7.0	52	50	12	9.9	6.3
MIN	3.7	3.2	2.6	5.7	3.9	4.5	5.9	6.0	11	7.6	5.5	5.5
AC-FT	249	265	219	367	361	371	400	1,400	1,100	589	413	343

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952-80, 1994-2003, BY WATER YEAR (WY)

MEAN	10.4	9.95	9.32	9.30	10.2	14.0	41.2	78.0	57.1	26.2	14.7	12.0
MAX	26.0	19.7	16.4	17.0	18.6	30.9	172	276	132	70.8	50.9	32.9
(WY)	(1953)	(1953)	(1953)	(1970)	(1971)	(1997)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)
MIN	4.04	4.45	3.56	4.45	4.73	5.37	6.72	10.2	7.67	6.89	4.78	4.80
(WY)	(2003)	(2003)	(2003)	(1994)	(1995)	(2001)	(2003)	(2002)	(2002)	(1994)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952-80, 1994-2003	
ANNUAL TOTAL	2,232.8		3,064.5			
ANNUAL MEAN	6.12		8.40		24.5	
HIGHEST ANNUAL MEAN					66.1	1952
LOWEST ANNUAL MEAN					6.59	2002
HIGHEST DAILY MEAN	23	Jun 1	52	May 30	580	May 2, 1952
LOWEST DAILY MEAN	2.6	Dec 24	2.6	Dec 24	1.4	Dec 26, 2001
ANNUAL SEVEN-DAY MINIMUM	3.0	Dec 18	3.0	Dec 18	2.5	Dec 23, 2001
ANNUAL RUNOFF (AC-FT)	4,430		6,080		17,780	
10 PERCENT EXCEEDS	8.0		12		62	
50 PERCENT EXCEEDS	5.7		6.2		12	
90 PERCENT EXCEEDS	3.5		3.5		6.4	