

GREAT SALT LAKE BASIN

1

10010100 GREAT SALT LAKE NEAR SALINE, UT

LOCATION.--Lat 41°15'19", long 112°29'46", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec. 14, T. 6 N., R. 6 W., Box Elder County, Hydrologic Unit 16020310, 3.4 mi northwest of Saline at the Little Valley boat harbor, 30 mi west of Ogden and 27 mi south of Promontory.

PERIOD OF RECORD.--April 1966 to current year.

REVISED RECORDS.--WDR UT-75-1: 1966-75. WDR UT-83-1: 1966-82. WDR UT-96-1: 1990-95. WDR UT-2001-1: 1966-2000. 1966-2000.

GAGE.--Water-stage recorder on pier of boat harbor. Datum of gage since August 1, 1996 is 4,186.95 ft above NGVD of 1929. April 1966 to August 1, 1996 at datum 4,190.05 ft above NGVD of 1929. Both datums from levels run to USGS Benchmarks 72-77 FMK 1966.

REMARKS.--Wind effects may cause substantial changes in hourly elevations, which are shown in the published daily mean elevations after October 1989. Samples for specific gravity and temperature were collected from water surface near the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 4,211.20 ft, Apr 7-29, 1987; minimum, 4,192.90 ft, Oct 15, Nov 1, 1966.

Date	Temperature water (Deg C)	Specific Gravity (20.0 Deg C)	Percent Salinity
Oct 18, 2002.....	18.5	1.212	27.7
Jan 8, 2003.....	6.0	1.221	28.7
Feb 26.....	6.0	1.196	26.0
May 13.....	18.5	1.208	27.3
Sep 4.....	26.5	1.194	25.8

ELEVATION ABOVE NGVD 1929, FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,197.1	4,196.9	4,196.9	4,197.0	4,197.2	4,197.3	4,197.2	e4,197.2	4,197.0	4,196.5	4,196.0	4,195.5
2	4,197.2	4,196.8	4,196.9	4,197.0	4,197.5	4,197.2	4,197.4	e4,197.1	4,197.0	4,196.5	4,196.0	4,195.5
3	4,197.1	4,196.8	4,196.9	4,197.0	4,197.2	4,197.2	4,197.3	e4,197.2	4,197.0	4,196.5	4,196.0	4,195.5
4	4,196.9	4,196.8	4,196.9	4,197.0	4,197.2	4,197.3	4,197.2	e4,197.1	4,197.0	4,196.5	4,195.9	4,195.5
5	4,197.0	4,196.8	4,196.9	4,197.1	4,197.2	4,197.3	4,197.3	e4,197.1	4,196.9	4,196.4	4,195.9	4,195.5
6	4,197.0	4,196.8	4,196.9	4,197.0	4,197.2	4,197.3	4,197.2	e4,197.1	4,196.9	4,196.5	4,195.9	4,195.4
7	4,196.9	4,196.8	4,196.9	4,197.0	4,197.1	4,197.2	4,197.2	e4,197.1	4,196.9	4,196.4	4,195.9	4,195.4
8	4,197.0	4,196.8	4,196.9	4,197.0	4,197.1	4,197.2	4,197.2	e4,197.1	4,196.8	4,196.4	4,195.8	4,195.5
9	4,196.9	4,197.0	4,196.9	4,197.0	4,197.1	4,197.2	4,197.2	e4,197.1	4,196.8	4,196.4	4,195.7	4,195.4
10	4,196.9	4,196.9	4,196.9	4,197.0	4,197.1	4,197.2	4,197.2	e4,197.2	4,196.8	4,196.3	4,195.8	4,195.3
11	4,197.0	4,196.9	4,196.9	4,197.0	4,197.1	4,197.2	4,197.2	e4,197.2	4,196.8	4,196.3	4,195.8	4,195.3
12	4,197.0	4,196.9	4,196.9	4,197.0	4,197.1	4,197.2	4,197.1	e4,197.2	4,196.8	4,196.3	4,195.8	4,195.4
13	4,196.9	4,196.9	4,196.9	4,197.0	4,197.2	4,197.2	4,197.2	e4,197.2	4,196.8	4,196.3	4,195.8	4,195.3
14	4,196.9	4,196.9	4,196.9	4,197.0	4,197.2	4,197.2	4,197.3	4,197.2	4,196.7	4,196.3	4,195.7	4,195.2
15	4,196.9	4,196.9	4,196.9	4,197.1	4,197.2	4,197.2	4,197.3	4,197.1	4,196.8	4,196.3	4,195.7	4,195.2
16	4,196.9	4,196.9	4,196.9	4,197.1	4,197.2	4,197.3	4,197.2	4,197.2	4,196.8	4,196.2	4,195.7	4,195.3
17	4,196.9	4,196.9	4,197.0	4,197.0	4,197.2	4,197.5	4,197.2	4,197.2	4,196.7	4,196.2	4,195.7	4,195.3
18	4,196.9	4,196.9	4,197.0	4,197.1	4,197.2	4,197.5	4,197.3	4,197.3	4,196.7	4,196.2	4,195.7	4,195.1
19	4,196.9	4,196.9	4,196.9	4,197.1	4,197.2	4,197.3	4,197.3	4,197.1	4,196.6	4,196.2	4,195.6	4,195.1
20	4,196.9	4,196.9	4,196.9	4,197.1	4,197.2	4,197.2	4,197.2	4,197.1	4,196.7	4,196.2	4,195.6	4,195.1
21	4,196.9	4,196.9	4,196.9	4,197.1	4,197.4	4,197.2	4,197.1	4,197.1	4,196.7	4,196.2	4,195.6	4,195.1
22	4,197.0	4,196.9	4,197.0	4,197.1	4,197.6	4,197.2	4,197.2	4,197.0	4,196.7	4,196.2	4,195.6	4,195.1
23	4,196.9	4,196.9	4,197.0	4,197.1	4,197.3	4,197.3	4,197.2	4,197.1	4,196.5	4,196.1	4,195.7	4,195.1
24	4,196.9	4,197.0	4,197.0	4,197.1	4,197.3	4,197.2	4,197.1	4,197.0	4,196.7	4,196.1	4,195.6	4,195.1
25	4,196.9	4,197.1	4,197.0	4,197.1	4,197.3	4,197.2	4,197.3	4,197.0	4,196.6	4,196.1	4,195.6	4,195.1
26	4,196.9	4,196.9	4,196.9	4,197.1	4,197.2	4,197.4	4,197.3	4,197.0	4,196.5	4,196.1	4,195.6	4,195.1
27	4,196.9	4,196.9	4,197.0	4,197.1	4,197.2	4,197.4	4,197.2	4,197.1	4,196.5	4,196.1	4,195.6	4,195.1
28	4,196.9	4,196.9	4,197.0	4,197.1	4,197.3	4,197.3	4,197.2	4,197.0	4,196.6	4,196.1	4,195.5	4,195.0
29	4,196.9	4,196.9	4,197.0	4,197.1	---	4,197.2	e4,197.3	4,197.0	4,196.5	4,196.1	4,195.6	4,195.0
30	4,196.9	4,196.9	4,196.9	4,197.1	---	4,197.2	e4,197.1	4,197.1	4,196.5	4,196.0	4,195.5	4,195.0
31	4,197.1	---	4,197.0	4,197.1	---	4,197.2	---	4,197.0	---	4,196.0	4,195.5	---
MEAN	4,196.9	4,196.9	4,196.9	4,197.1	4,197.2	4,197.3	4,197.2	4,197.1	4,196.7	4,196.3	4,195.7	4,195.2
MAX	4,197.2	4,197.1	4,197.0	4,197.1	4,197.6	4,197.5	4,197.4	4,197.3	4,197.0	4,196.5	4,196.0	4,195.5
MIN	4,196.9	4,196.8	4,196.9	4,197.0	4,197.1	4,197.2	4,197.1	4,197.0	4,196.5	4,196.0	4,195.5	4,195.0

e Estimated