

GREAT SALT LAKE DESERT

10172870 TROUT CREEK NEAR CALLAO, UT

LOCATION.--Lat 39°44'39", long 113°53'21", in SW¹/₄NW¹/₄SW¹/₄ sec. 28, T. 12 S., R. 18 W., Juab County, Hydrologic Unit 16020306, on left bank 2.9 mi upstream from Birch Creek, and 14 mi southwest of Callao.

DRAINAGE AREA.--8.19 mi².

PERIOD OF RECORD.--October 1958 to September 1995, July 2002 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for winter record and estimated daily discharges, which are fair. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 177 ft³/s, Jun 2, 1983, gage height, 2.84 ft, maximum gage height, 3.00 ft, May 15, 1973; minimum, 0.24 ft³/s, Feb 25, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 7	1700	30	4.01				

Minimum daily discharge, 0.73 ft³/s, Jan 23.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.3	1.0	1.2	e0.80	e1.2	4.7	8.7	10	3.8	1.8	1.6
2	1.5	1.2	0.97	1.1	0.94	1.3	4.8	9.2	11	3.7	2.0	1.6
3	1.5	1.2	0.96	1.1	1.0	1.4	5.4	11	12	3.5	2.2	2.9
4	1.5	1.1	0.95	0.91	1.0	1.4	5.4	17	12	3.6	1.9	2.5
5	1.4	1.1	0.99	0.83	0.98	1.5	5.4	21	13	3.3	1.7	2.3
6	1.4	e1.1	0.99	e0.90	0.95	1.5	5.3	23	13	3.1	1.7	2.2
7	1.5	e1.1	1.0	0.99	1.0	1.7	5.8	27	13	2.9	1.9	2.1
8	1.5	e1.1	e0.95	1.1	1.0	1.9	6.1	23	13	2.8	1.6	2.0
9	1.4	e1.1	e0.90	1.0	1.0	2.3	5.9	18	12	2.7	1.7	2.0
10	1.5	1.1	e0.95	1.1	1.0	2.8	5.7	22	11	2.6	1.7	2.0
11	1.5	0.98	1.1	1.0	1.1	3.0	5.3	21	10	2.5	1.6	2.0
12	1.4	0.97	e1.0	1.00	1.0	3.2	5.2	19	9.6	2.4	1.5	2.0
13	1.5	1.1	1.1	1.0	1.1	3.4	5.4	17	8.9	2.3	1.6	2.0
14	1.4	1.0	e1.0	1.1	1.1	3.6	5.7	15	8.1	2.2	1.5	2.0
15	1.3	0.98	e0.90	1.1	1.1	3.7	5.8	14	7.5	2.3	1.5	2.0
16	1.2	0.97	e0.80	1.1	1.1	3.6	5.7	15	7.2	2.2	1.6	1.9
17	1.2	1.0	e0.80	0.97	1.2	3.6	5.5	17	7.1	2.1	1.6	1.9
18	1.2	0.95	e0.95	0.86	1.2	3.8	5.3	18	6.7	2.1	1.6	1.9
19	1.2	0.92	1.2	0.99	1.2	4.3	5.2	18	6.3	2.3	1.6	2.0
20	1.2	0.92	1.2	0.99	e1.2	4.5	4.8	16	6.0	2.2	1.7	2.2
21	1.1	0.95	1.2	0.84	1.2	5.0	4.6	15	5.8	2.2	1.9	2.2
22	1.1	e0.85	1.1	0.78	1.3	5.5	4.7	14	5.6	2.0	1.6	2.2
23	1.1	e0.80	e1.1	0.73	1.2	6.2	4.7	13	5.3	1.8	1.6	2.1
24	1.2	e0.80	1.1	0.79	1.3	6.6	4.9	13	5.1	e2.2	1.7	2.0
25	1.2	e0.90	e1.2	1.00	1.2	6.4	5.7	12	5.0	2.0	1.5	2.0
26	1.1	1.0	e1.1	0.89	1.3	6.1	6.8	11	4.8	2.1	1.5	1.9
27	1.1	0.95	e1.0	0.99	1.3	5.4	8.0	10	4.6	2.1	1.6	2.0
28	1.1	1.00	e1.0	1.1	1.2	4.8	9.5	10	4.4	1.9	1.6	2.0
29	1.1	1.1	e1.2	1.0	e1.2	4.2	9.7	11	4.3	1.9	1.6	2.1
30	1.2	1.1	1.2	1.0	---	4.0	8.9	11	4.0	1.8	1.5	2.2
31	1.3	---	1.1	0.95	---	4.2	---	10	---	1.8	1.5	---
TOTAL	40.2	30.64	32.01	30.41	32.17	112.1	175.9	479.9	246.3	76.4	51.6	61.8
MEAN	1.30	1.02	1.03	0.98	1.11	3.62	5.86	15.5	8.21	2.46	1.66	2.06
MAX	1.5	1.3	1.2	1.2	1.3	6.6	9.7	27	13	3.8	2.2	2.9
MIN	1.1	0.80	0.80	0.73	0.80	1.2	4.6	8.7	4.0	1.8	1.5	1.6
AC-FT	80	61	63	60	64	222	349	952	489	152	102	123

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2004, BY WATER YEAR (WY)

MEAN	2.12	2.01	1.73	1.61	1.66	2.18	5.01	17.6	21.5	5.86	2.57	1.99
MAX	8.59	4.96	3.29	3.31	3.35	5.04	11.1	59.2	95.4	20.1	6.55	5.37
(WY)	(1983)	(1983)	(1983)	(1983)	(1983)	(1983)	(1962)	(1984)	(1983)	(1995)	(1965)	(1965)
MIN	1.16	1.02	1.03	0.96	1.02	1.09	1.34	3.44	3.66	1.49	0.98	0.91
(WY)	(1993)	(2004)	(2004)	(1960)	(1960)	(1991)	(1991)	(1989)	(1959)	(1959)	(1959)	(1994)

GREAT SALT LAKE DESERT

10172870 TROUT CREEK NEAR CALLAO, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1959 - 2004	
ANNUAL TOTAL	1,249.99		1,369.43			
ANNUAL MEAN	3.42		3.74		5.59	
HIGHEST ANNUAL MEAN					16.3	1983
LOWEST ANNUAL MEAN					2.07	1989
HIGHEST DAILY MEAN	54	May 28	27	May 7	156	Jun 1, 1983
LOWEST DAILY MEAN	0.80	Feb 7	0.73	Jan 23	0.52	Feb 9, 1993
ANNUAL SEVEN-DAY MINIMUM	0.88	Feb 4	0.85	Jan 18	0.80	Sep 22, 1994
ANNUAL RUNOFF (AC-FT)	2,480		2,720		4,050	
10 PERCENT EXCEEDS	5.8		10		13	
50 PERCENT EXCEEDS	1.2		1.7		2.1	
90 PERCENT EXCEEDS	1.0		0.98		1.3	

e Estimated

