GREAT SALT LAKE BASIN

10010000 GREAT SALT LAKE AT STATE PARK SALTAIR BEACH BOAT HARBOR, UT

LOCATION.--Lat 40°43'53", long 112°12'46", in NE¼SW¼NW¼ sec. 17, T. 1 S., R. 3 W., Salt Lake County, Hydrologic Unit 16020310, at State Park Saltair Beach Boat Harbor on southeast shore of lake, 17.1 mi west of Salt Lake City. (Gage temporarily located 0.4 mi to the southeast, from Apr. 13, 1984 to May 30, 1985, because of problems associated with highwater, then relocated 0.1 mi to the northeast from May 30, 1985 to August 9, 1989 because of highway construction. Gage relocated to boat harbor marina on August 9, 1989).

PERIOD OF RECORD.--September 1875 to December 1899, October 1902 to current year. Records for October 1902 to September 1912 and diagram showing fluctuations of lake from 1851-1950, published in WSP 1314.

REVISED RECORDS.--WSP 1314: 1877. WDR-UT-74-1: 1967-73. WDR-UT-83-1: 1981-82. WDR-UT-95-1: 1984-94. WDR-UT-2001-1: 1984-2000.

GAGE.--Water-stage recorder at Boat Harbor since October 1938. Datum at gage since September 15, 1970 is 4,186.80 ft above NGVD of 1929. October 1938 to April 15, 1967, at datum 4,186.9 ft and April 15, 1967 to September 15, 1970, at datum 4,186.85 ft. Prior to October 1938, staff gages at sites and datums as follows: September 1875 to October 1877 at Black Rock at 4,208.4 ft above NGVD of 1929, November 1877 to November 1879 at Farmington Bay at 4,206.9 ft above NGVD of 1929, November 1879 to April 1881 near Black Rock at 4,203.1 ft above NGVD of 1929, April 1881 to December 1899 at Garfield Landing at 4,198.5 ft above NGVD OF 1929, October 1902 to July 1903, at Midlake on Lucin cutoff of Southern Pacific Railroad, 30 mi west of Ogden, at 4,197.9 ft above NGVD of 1929, and July 1903 to October 1938 at Saltair at 4,196.9 ft above NGVD of 1929. Datums since September 15, 1970, from levels run to USGS/National Geodetic Survey Benchmarks C-174 (1970) and E-174 (1970).

REMARKS.--Wind effects may cause substantial changes in hourly elevations, which are shown in the published mean daily 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 observed, 4,211.60 ft, Jun 3, 1986, Apr 1, 15, 1987; minimum, 4,191.35 ft, Oct 15, Nov 1, 1963. Maximum elevation prior to Jun 3, 1986, 4,211.6 ft in 1873, computed from traditional data by G. K. Gilbert and E. C. LaRue.

Date	Temperature water (Deg C)	Specific Gravity (20.0 Deg C)	Percent Salinity
Oct 15, 2002.....	15.0	1.095	13.8

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	e4,197.5	4,197.3	4,197.2	4,197.4	4,197.5	4,197.7	4,197.6	4,197.7	4,197.6	4,196.9	4,196.4	4,195.8
2	e4,197.5	e4,197.3	4,197.2	4,197.3	4,198.0	4,197.7	e4,197.6	4,197.6	4,197.5	4,196.9	4,196.3	4,195.8
3	e4,197.6	e4,197.2	4,197.2	4,197.4	4,197.7	4,197.7	e4,197.6	4,197.6	4,197.5	4,197.0	4,196.4	4,195.8
4	e4,197.6	e4,197.2	4,197.2	4,197.4	4,197.6	4,197.7	e4,197.7	4,197.6	4,197.5	4,196.9	4,196.3	4,195.8
5	e4,197.6	4,197.2	4,197.3	4,197.5	4,197.6	4,197.6	e4,197.6	4,197.7	4,197.5	4,196.9	4,196.3	4,195.8
6	e4,197.7	4,197.2	4,197.3	4,197.5	4,197.6	4,197.6	e4,197.6	4,197.6	4,197.4	4,196.9	4,196.2	4,195.8
7	e4,197.7	4,197.2	4,197.3	4,197.5	4,197.6	4,197.6	e4,197.7	4,197.6	4,197.5	4,196.9	4,196.2	4,195.6
8	4,197.4	4,197.3	4,197.3	4,197.5	4,197.6	4,197.6	e4,197.6	4,197.6	4,197.4	4,196.9	4,196.1	4,195.7
9	4,197.4	4,197.3	4,197.3	4,197.4	4,197.6	4,197.6	e4,197.7	4,197.6	4,197.3	4,196.8	4,196.2	4,195.7
10	4,197.3	e4,197.3	4,197.3	4,197.4	4,197.6	4,197.6	e4,197.6	4,197.7	4,197.3	4,196.8	4,196.1	4,195.8
11	4,197.4	e4,197.3	4,197.2	4,197.5	4,197.6	4,197.7	e4,197.7	4,197.7	4,197.3	4,196.8	4,196.1	4,195.6
12	4,197.3	4,197.3	4,197.2	4,197.5	4,197.6	4,197.8	e4,197.7	4,197.7	4,197.3	4,196.8	4,196.1	4,195.7
13	4,197.3	4,197.3	4,197.2	e4,197.5	4,197.6	4,197.7	e4,197.7	4,197.7	4,197.2	4,196.8	4,196.1	4,195.7
14	4,197.3	4,197.4	4,197.3	e4,197.5	4,197.6	4,197.7	e4,197.7	4,197.7	4,197.2	4,196.7	4,196.1	4,195.6
15	4,197.3	4,197.3	e4,197.3	4,197.5	4,197.6	4,197.6	4,197.8	4,197.7	4,197.2	4,196.7	4,196.0	4,195.5
16	4,197.3	4,197.3	e4,197.3	4,197.5	4,197.6	4,197.7	4,197.7	4,197.7	4,197.3	4,196.6	4,195.9	4,195.6
17	e4,197.3	4,197.3	e4,197.3	4,197.5	4,197.6	4,198.0	4,197.7	4,197.7	4,197.2	4,196.7	4,196.0	4,195.7
18	e4,197.3	4,197.3	e4,197.3	4,197.5	4,197.6	4,198.1	4,197.7	4,197.8	4,197.1	4,196.6	4,196.0	4,195.6
19	e4,197.4	4,197.3	4,197.3	4,197.5	4,197.6	4,197.9	4,197.8	4,197.7	4,197.0	4,196.6	4,196.0	4,195.5
20	e4,197.4	4,197.3	4,197.3	4,197.5	4,197.6	4,197.8	4,197.7	4,197.6	4,197.1	4,196.6	4,195.9	4,195.5
21	e4,197.4	4,197.3	4,197.3	4,197.5	4,197.6	4,197.8	4,197.6	4,197.6	4,197.1	4,196.6	4,195.9	4,195.5
22	4,197.4	4,197.3	4,197.3	4,197.6	4,197.9	4,197.8	4,197.6	4,197.6	4,197.1	4,196.6	4,195.9	4,195.5
23	4,197.3	4,197.3	4,197.4	4,197.5	4,197.7	4,197.8	4,197.6	4,197.6	4,196.9	4,196.6	4,195.9	4,195.5
24	4,197.3	4,197.4	4,197.3	4,197.6	4,197.7	4,197.8	4,197.6	4,197.6	4,197.0	4,196.6	4,195.9	4,195.5
25	4,197.3	4,197.5	4,197.3	4,197.6	4,197.7	4,197.7	4,197.7	4,197.5	4,197.0	4,196.5	4,195.9	4,195.5
26	4,197.3	4,197.4	4,197.3	4,197.6	4,197.7	4,197.8	4,197.8	4,197.6	4,197.0	4,196.5	4,195.9	4,195.5
27	e4,197.3	4,197.3	4,197.3	4,197.6	4,197.6	4,197.9	4,197.7	4,197.6	4,197.0	4,196.6	4,195.9	4,195.5
28	e4,197.3	4,197.3	4,197.3	4,197.6	4,197.7	4,197.8	4,197.7	4,197.6	4,197.0	4,196.5	4,195.9	4,195.5
29	e4,197.3	4,197.2	4,197.3	4,197.6	---	4,197.8	4,197.8	4,197.6	4,197.0	4,196.5	4,195.9	4,195.5
30	4,197.3	4,197.2	4,197.3	4,197.6	---	e4,197.7	4,197.7	4,197.5	4,197.0	4,196.4	4,195.8	4,195.5
31	4,197.4	---	4,197.3	4,197.6	---	e4,197.7	---	4,197.6	---	4,196.4	4,195.8	---
MEAN	4,197.4	4,197.3	4,197.3	4,197.5	4,197.6	4,197.7	4,197.7	4,197.6	4,197.2	4,196.7	4,196.0	4,195.6
MAX	4,197.7	4,197.5	4,197.4	4,197.6	4,198.0	4,198.1	4,197.8	4,197.8	4,197.6	4,197.0	4,196.4	4,195.8
MIN	4,197.3	4,197.2	4,197.2	4,197.3	4,197.5	4,197.6	4,197.6	4,197.5	4,196.9	4,196.4	4,195.8	4,195.5

e Estimated

10010100 GREAT SALT LAKE NEAR SALINE, UT

LOCATION.--Lat 41°15'19", long 112°29'46", in NE¼NE¼NW¼ 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

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE

LOCATION.--Lat 40°57'55", long 110°51'10", in SE¼NW¼SE¼ sec. 30, T. 3 N., R. 10 E., Summit County, Utah Hydrologic Unit 16010101, on left bank 400 ft downstream from West Fork and 2.8 mi upstream from Utah-Wyoming State line.

DRAINAGE AREA.--172 mi^2.

PERIOD OF RECORD.--July 1942 to current year.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,965 ft above sea level, from river-profile map. Prior to October 1, 1986 at datum 3.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated slightly by Whitney Reservoir, total capacity, 4,700 acre-ft since 1966. Three diversions above station for irrigation of about 265 acres above and 2,600 acres below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,230 ft^3/s, Jun 6, 1986, gage height, 4.05 ft, datum then in use; minimum, 6.8 ft^3/s, Apr 12, 1984, result of upstream ice jam.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 30	----	*2,040	*6.76				

Minimum daily discharge, 13 ft^3/s, Feb 9.

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	e98	51	e48	e27	e28	e20	52	169	1,330	248	89	76
2	104	47	e44	e28	e28	e21	50	157	1,140	234	88	69
3	98	66	e43	e29	e26	e21	42	168	927	217	87	68
4	91	68	e41	e29	e24	e20	37	181	788	216	84	60
5	90	62	e41	e30	e20	e19	41	160	678	227	78	58
6	88	59	e40	e32	e18	e19	41	139	601	213	73	63
7	93	57	e38	e34	e16	e20	40	148	559	188	69	67
8	93	56	e37	e33	e14	e20	41	146	516	147	70	60
9	89	57	e38	e31	e13	e21	50	142	504	135	68	65
10	84	e54	e37	e31	e14	e21	65	146	490	147	61	77
11	82	e57	e35	e32	e15	e22	89	135	468	184	65	79
12	75	52	e36	e32	e16	e23	118	143	446	178	61	73
13	73	59	e37	e33	e18	e25	155	191	e428	172	59	66
14	72	56	e36	e33	e19	e26	190	257	367	174	66	62
15	70	54	e35	e32	e18	e27	190	349	337	178	87	61
16	68	53	e35	e31	e18	e28	159	441	343	148	68	60
17	66	55	e34	e29	e21	e29	161	527	369	149	88	59
18	64	51	e33	e27	e23	e30	149	578	295	148	62	60
19	62	53	e30	e26	e25	e31	127	582	278	137	58	e62
20	62	55	e28	e26	e27	e33	118	527	259	143	56	60
21	62	55	e25	e27	e29	35	142	e600	281	127	58	58
22	66	54	e22	e28	e27	36	155	755	374	118	66	56
23	69	53	e21	e29	e25	39	121	945	326	110	65	54
24	68	e52	e19	e30	e24	38	136	1,080	364	103	60	52
25	64	50	e19	e31	e23	34	200	1,100	382	106	57	51
26	66	e50	e20	e31	e22	39	249	1,330	394	114	53	50
27	64	e50	e21	e32	e21	29	237	1,420	382	110	54	49
28	59	e50	e22	e32	e20	39	232	1,520	314	104	55	48
29	60	e48	e22	e31	---	42	215	1,620	266	97	55	47
30	54	e48	e23	e30	---	41	200	1,640	255	94	111	45
31	49	---	e25	e28	---	44	---	1,500	---	91	85	---
TOTAL	2,303	1,632	985	934	592	892	3,802	18,796	14,461	4,757	2,156	1,815
MEAN	74.3	54.4	31.8	30.1	21.1	28.8	127	606	482	153	69.5	60.5
MAX	104	68	48	34	29	44	249	1,640	1,330	248	111	79
MIN	49	47	19	26	13	19	37	135	255	91	53	45
AC-FT	4,570	3,240	1,950	1,850	1,170	1,770	7,540	37,280	28,680	9,440	4,280	3,600

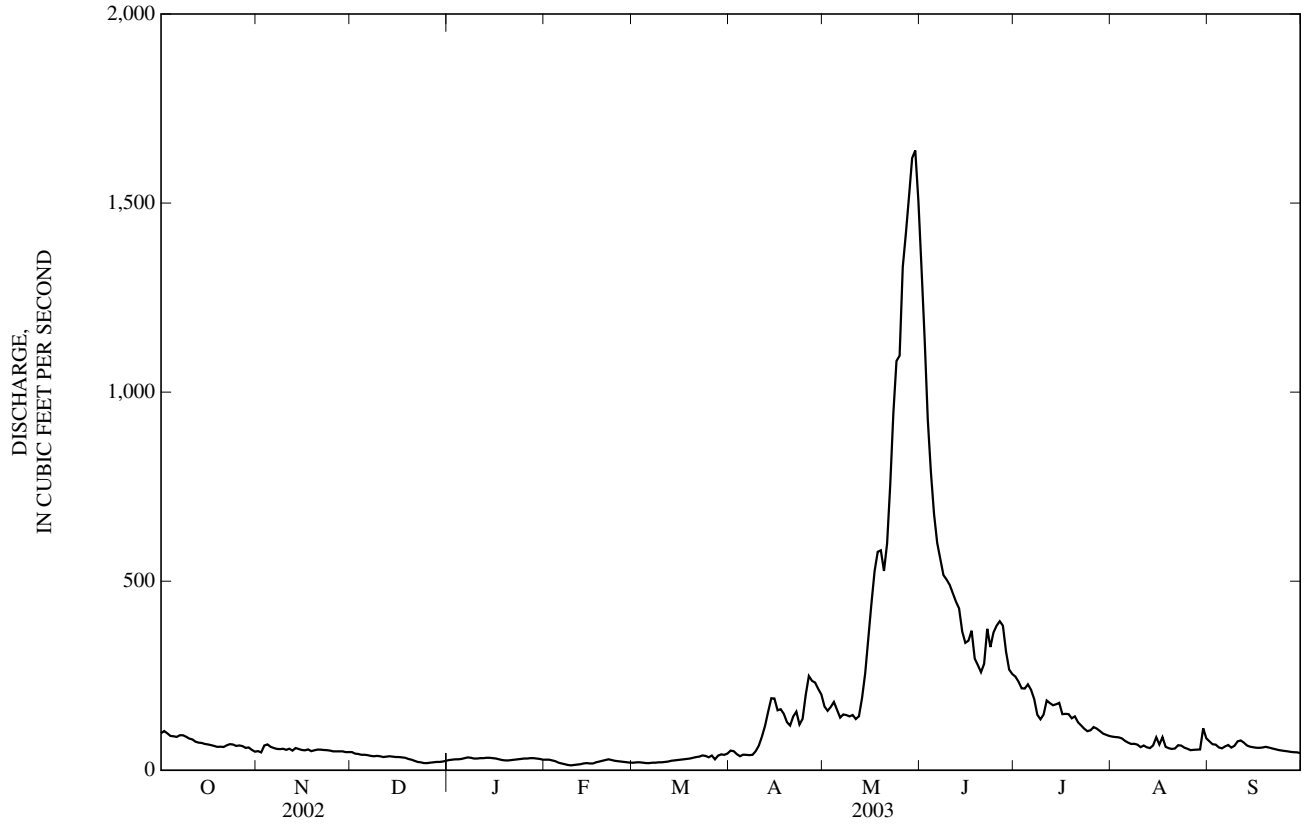
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2003, BY WATER YEAR (WY)

MEAN	63.4	54.6	46.5	41.8	39.7	43.5	111	597	845	298	93.7	73.7
MAX	208	106	94.9	72.4	64.3	69.0	316	1,044	1,990	1,105	244	229
(WY)	(1983)	(1984)	(1984)	(1984)	(1984)	(1986)	(1946)	(1984)	(1986)	(1995)	(1965)	(1983)
MIN	30.8	32.5	27.7	29.6	21.1	26.0	37.2	162	204	67.4	31.0	23.9
(WY)	(1959)	(1955)	(1960)	(1991)	(2003)	(1964)	(1944)	(1977)	(1992)	(1961)	(2002)	(1956)

10011500 BEAR RIVER NEAR UTAH-WYOMING STATE LINE—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1943 - 2003	
ANNUAL TOTAL	38,816		53,125			
ANNUAL MEAN	106		146		193	
HIGHEST ANNUAL MEAN					335	1986
LOWEST ANNUAL MEAN					81.5	1977
HIGHEST DAILY MEAN	830	Jun 1	1,640	May 30	2,680	Jun 4, 1986
LOWEST DAILY MEAN	19	Dec 24	13	Feb 9	13	Feb 9, 2003
ANNUAL SEVEN-DAY MINIMUM	21	Dec 22	15	Feb 6	15	Feb 6, 2003
ANNUAL RUNOFF (AC-FT)	76,990		105,400		139,500	
10 PERCENT EXCEEDS	263		355		593	
50 PERCENT EXCEEDS	54		60		59	
90 PERCENT EXCEEDS	27		23		33	

e Estimated



10016900 BEAR RIVER AT EVANSTON, WY

LOCATION.--Lat 41°16'13", long 110°57'47", in NE¼ NW¼ NW¼ sec.21, T.15 N., R.120 W., Uinta County, Hydrologic Unit 16010101, on left bank 100 ft downstream from bridge on State Highway 89, in the City of Evanston.

DRAINAGE AREA.--433 mi^2.

PERIOD OF RECORD.--May 1984 to September 2003 (no winter records 1984 to 2001).

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 6,730 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except those for estimated discharges, which are poor. Natural flow of stream affected by storage reservoirs, diversions for irrigation, and return flow from irrigated areas.

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	65	e21	e14	e14	e24	e37	136	152	1,350	130	41	37
2	94	e18	e13	e15	e25	e35	122	146	1,200	139	49	31
3	81	e19	e14	e14	e26	e36	90	141	942	120	60	29
4	73	e19	e13	e14	e26	e38	70	157	765	100	58	30
5	64	e18	e13	e14	e28	e42	75	200	630	95	53	33
6	59	e17	e14	e15	e29	e41	80	169	534	95	41	40
7	58	e16	e14	e14	e30	43	71	157	522	93	35	50
8	68	e15	e15	e15	e32	55	79	183	485	96	32	49
9	66	e16	e15	e14	e33	70	104	197	434	93	34	39
10	59	e15	e13	e15	e33	85	126	230	388	91	33	48
11	54	e14	e12	e15	e33	143	131	340	381	89	33	60
12	51	e15	e12	e14	e34	226	158	264	343	91	36	54
13	48	e14	e13	e14	e35	203	192	241	362	91	31	45
14	44	e14	e12	e14	e37	215	251	292	322	86	33	36
15	43	e13	e13	e14	e38	145	295	385	275	89	46	33
16	39	e12	e14	e14	e40	137	211	519	246	102	62	32
17	e36	e13	e13	e15	e41	111	211	666	242	110	74	26
18	32	e12	e12	e16	e39	89	215	612	211	117	54	27
19	31	e13	e12	e17	e40	83	189	684	199	98	36	28
20	26	e13	e12	e18	e38	88	159	595	180	102	35	26
21	22	e13	e13	e19	e36	87	151	579	232	97	42	24
22	20	e12	e13	e20	e35	95	174	705	357	68	46	21
23	29	e12	e12	e20	e33	128	148	898	498	57	48	18
24	e34	e13	e11	e20	e32	104	119	1,050	849	53	48	21
25	e31	e13	e12	e19	e32	78	149	1,010	745	65	40	23
26	e30	e14	e12	e20	e32	88	245	1,190	580	57	40	22
27	e26	e15	e13	e21	e36	77	233	1,340	475	59	35	21
28	e25	e16	e13	e21	e38	70	220	1,360	321	53	36	21
29	e26	e16	e14	e24	---	67	187	1,510	212	53	37	21
30	e23	e15	e15	e25	---	77	176	1,560	178	53	38	21
31	e20	---	e14	e24	---	119	---	1,500	---	44	58	---
TOTAL	1,377	446	405	528	935	2,912	4,767	19,032	14,458	2,686	1,344	966
MEAN	44.4	14.9	13.1	17.0	33.4	93.9	159	614	482	86.6	43.4	32.2
MAX	94	21	15	25	41	226	295	1,560	1,350	139	74	60
MIN	20	12	11	14	24	35	70	141	178	44	31	18
AC-FT	2,730	885	803	1,050	1,850	5,780	9,460	37,750	28,680	5,330	2,670	1,920

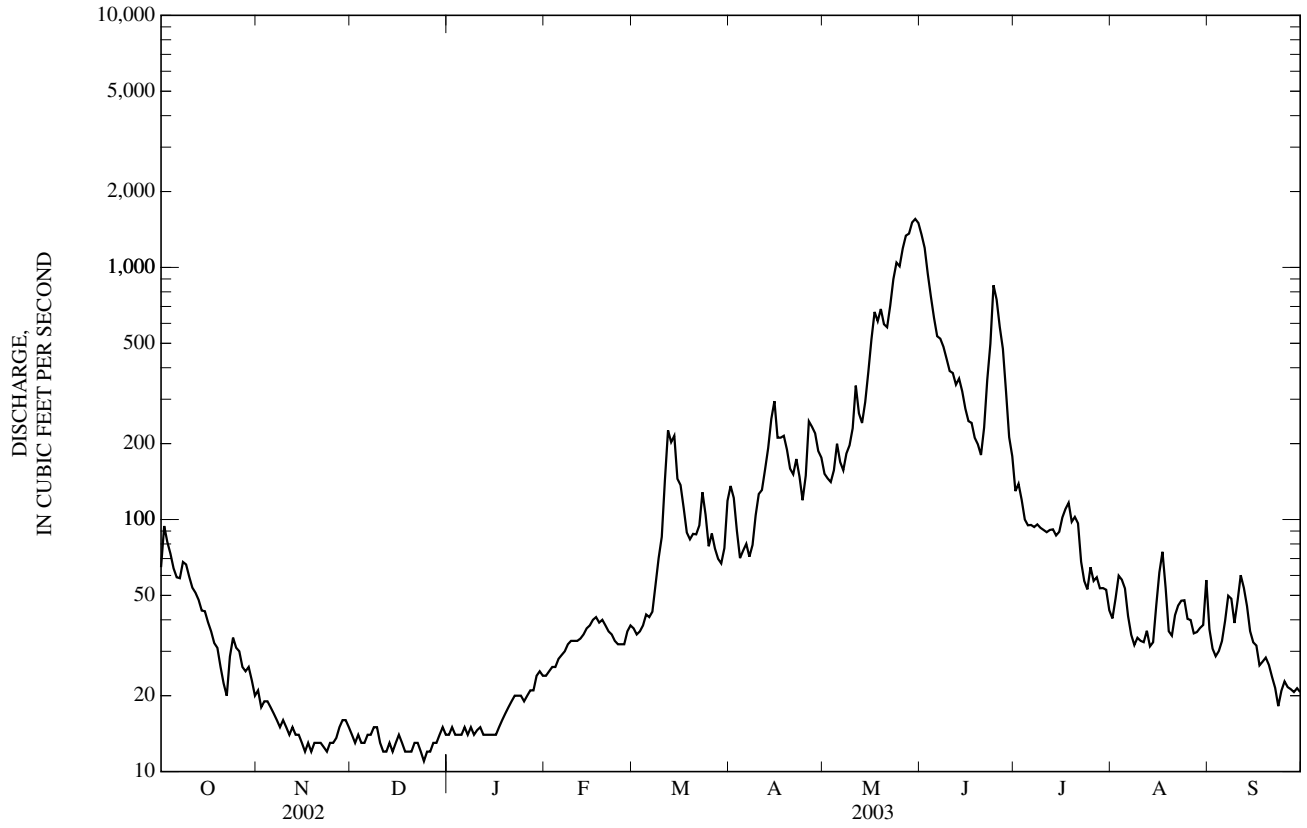
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2003, BY WATER YEAR (WY)

MEAN	28.0	16.0	20.2	20.6	29.9	69.7	297	747	758	197	64.5	55.5
MAX	44.4	17.2	27.4	24.1	33.4	93.9	602	1,291	1,890	980	181	225
(WY)	(2003)	(2002)	(2002)	(2002)	(2003)	(2003)	(1985)	(1986)	(1986)	(1995)	(1984)	(1984)
MIN	11.5	14.9	13.1	17.0	26.4	45.5	133	330	121	31.9	12.8	11.8
(WY)	(2002)	(2003)	(2003)	(2003)	(2002)	(2002)	(1995)	(1990)	(1992)	(2000)	(2002)	(1988)

10016900 BEAR RIVER AT EVANSTON, WY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1984 - 2003	
ANNUAL TOTAL	30,168.7		49,856		--	
ANNUAL MEAN	82.7		137		109	
HIGHEST ANNUAL MEAN	--		--		137	2003
LOWEST ANNUAL MEAN	--		--		81.3	2002
HIGHEST DAILY MEAN	815	May 21	1,560	May 30	3,160	May 16, 1984
LOWEST DAILY MEAN	6.2	Aug 12	11	Dec 24	3.2	Oct 20, 2001
ANNUAL SEVEN-DAY MINIMUM	8.1	Aug 6	12	Dec 18	5.3	Aug 18, 1988
MAXIMUM PEAK FLOW	--		1,820	May 30	3,680	May 16, 1984
MAXIMUM PEAK STAGE	--		5.21	May 30	7.35	May 16, 1984
ANNUAL RUNOFF (AC-FT)	59,840		98,890		78,920	
10 PERCENT EXCEEDS	254		341		275	
50 PERCENT EXCEEDS	28		41		34	
90 PERCENT EXCEEDS	13		14		13	

e Estimated.



10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°26'04", long 111°01'01", in NE¼NW¼NW¼ sec. 29, T. 17 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 9.3 mi upstream from Woodruff Narrows Dam and 10 mi southeast of Woodruff.

DRAINAGE AREA.--752 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,455 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversion for irrigation of about 43,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,150 ft^3/s, Jun 2, 1983, gage height, 6.17 ft; minimum, no flow several days during Aug, Sep 1988, and Sep 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,570 ft^3/s, May 31, gage height, 4.71 ft; minimum daily discharge, 1.4 ft^3/s, Nov 2, 3.

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	5.0	1.6	44	e13	e42	e5.2	80	90	1,320	86	34	35
2	9.3	1.4	45	e12	e47	e6.5	76	78	1,160	73	34	30
3	13	1.4	42	e11	e24	e7.0	62	73	929	69	43	27
4	8.6	1.6	37	e10	e17	e8.0	43	76	735	55	50	24
5	7.7	10	42	e9.6	e14	e9.0	34	123	580	43	47	25
6	6.7	31	39	e9.0	e12	e9.8	39	151	416	39	40	30
7	6.1	33	33	e8.0	e9.4	e13	41	155	382	36	31	38
8	5.8	38	31	e7.4	e7.4	e18	34	195	355	32	27	45
9	5.5	57	26	e7.3	e5.9	e28	46	212	312	e29	26	41
10	5.3	e53	30	e6.7	e5.2	e60	72	239	259	e27	26	37
11	4.6	e46	27	e6.2	e4.0	e130	77	280	239	e27	29	40
12	3.4	42	25	e5.9	e3.3	e200	95	226	229	e26	25	47
13	2.9	37	27	e6.2	e2.4	297	124	165	254	e26	26	46
14	3.2	40	26	e6.0	e3.3	318	171	198	238	e26	24	40
15	3.1	45	26	e5.8	e4.5	207	210	257	189	27	26	36
16	2.8	36	28	e5.0	e7.0	147	184	369	162	29	34	35
17	2.2	40	31	e4.0	e9.0	108	144	500	150	37	53	36
18	1.8	65	23	e3.7	e10	80	144	520	144	46	42	31
19	1.8	50	23	e3.3	e8.2	61	144	584	127	49	33	31
20	1.7	47	29	e2.9	e7.3	55	116	528	115	43	29	32
21	1.6	39	e26	e2.5	e6.3	54	96	471	131	47	30	31
22	1.9	41	e25	e2.6	e5.5	52	104	521	213	35	40	21
23	3.0	45	e23	e3.4	e6.0	69	119	726	327	23	43	17
24	3.0	51	e22	e4.1	e7.0	72	81	903	774	25	35	15
25	2.4	45	e20	e5.0	e7.6	55	70	990	772	29	39	20
26	2.0	54	e19	e7.1	e6.5	37	135	1,010	529	37	36	23
27	2.0	36	e18	e8.8	e5.3	48	173	1,190	386	29	33	24
28	2.1	35	e17	e17	e3.0	38	143	1,230	274	37	29	24
29	1.8	38	e16	e36	---	e36	118	1,290	176	40	30	23
30	1.7	48	e15	e35	---	33	109	1,380	125	45	33	23
31	1.7	---	e14	e20	---	49	---	1,440	---	42	37	---
TOTAL	123.7	1,108.0	849	284.5	290.1	2,310.5	3,084	16,170	12,002	1,214	1,064	927
MEAN	3.99	36.9	27.4	9.18	10.4	74.5	103	522	400	39.2	34.3	30.9
MAX	13	65	45	36	47	318	210	1,440	1,320	86	53	47
MIN	1.6	1.4	14	2.5	2.4	5.2	34	73	115	23	24	15
AC-FT	245	2,200	1,680	564	575	4,580	6,120	32,070	23,810	2,410	2,110	1,840

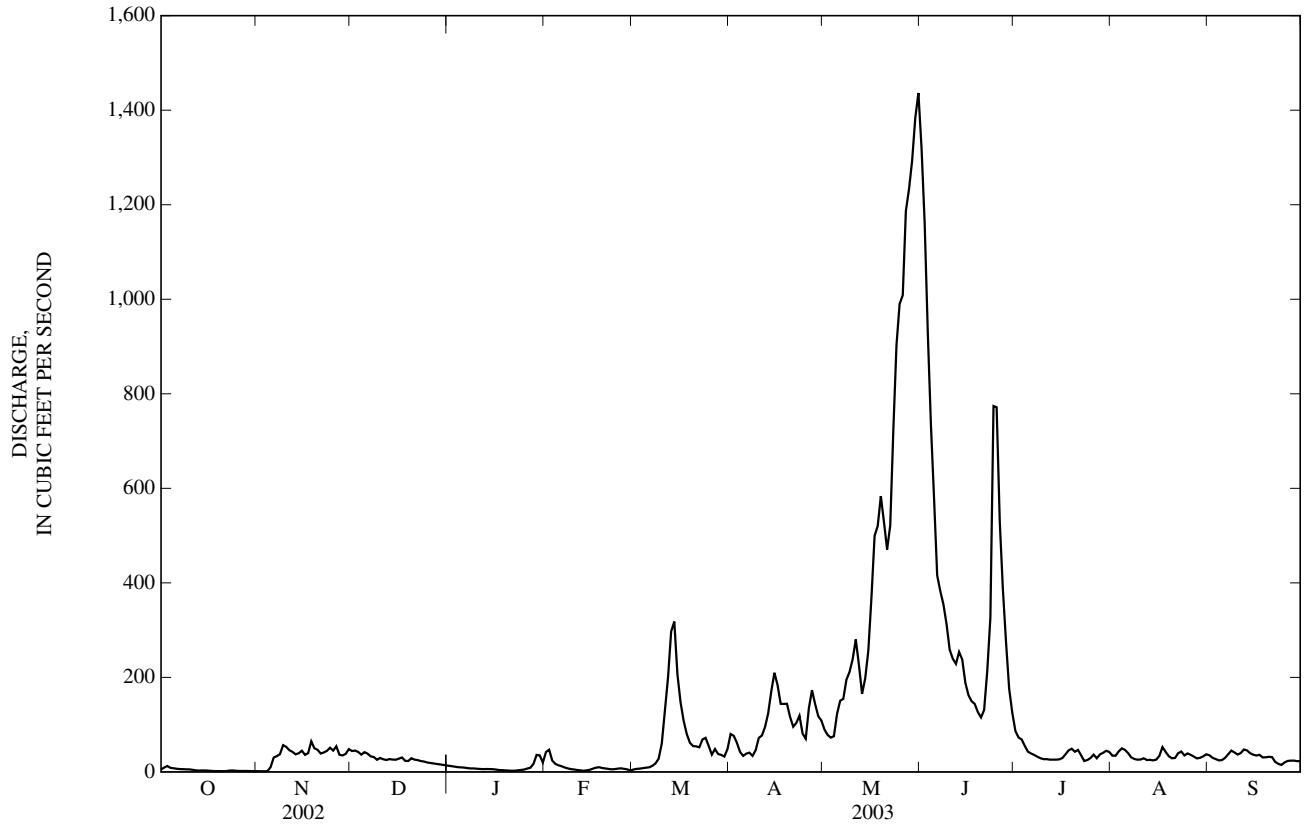
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	71.1	71.5	70.6	66.7	81.8	163	330	792	831	193	48.9	48.0
MAX	437	198	181	147	312	627	671	1,957	2,564	1,191	340	288
(WY)	(1983)	(1974)	(1984)	(1984)	(1986)	(1986)	(1969)	(1984)	(1986)	(1995)	(1983)	(1983)
MIN	3.03	6.06	7.21	6.76	10.4	26.8	77.7	104	54.6	4.41	0.68	0.49
(WY)	(1965)	(1989)	(1989)	(1989)	(2003)	(1977)	(1977)	(1977)	(1992)	(2000)	(2000)	(1988)

10020100 BEAR RIVER ABOVE RESERVOIR, NEAR WOODRUFF, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003	
ANNUAL TOTAL	22,914.98		39,426.8			
ANNUAL MEAN	62.8		108		231	
HIGHEST ANNUAL MEAN					583	1986
LOWEST ANNUAL MEAN					45.1	1977
HIGHEST DAILY MEAN	613	May 21	1,440	May 31	3,900	Jun 2, 1983
LOWEST DAILY MEAN	0.00	Sep 1	1.4	Nov 2	0.00	Aug 23, 1988
ANNUAL SEVEN-DAY MINIMUM	0.04	Aug 31	1.6	Oct 29	0.00	Aug 30, 1988
ANNUAL RUNOFF (AC-FT)	45,450		78,200		167,100	
10 PERCENT EXCEEDS	159		255		684	
50 PERCENT EXCEEDS	37		35		81	
90 PERCENT EXCEEDS	1.3		4.1		8.4	

e Estimated



10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT

LOCATION.--Lat 41°30'20", long 111°00'50", in NE¼NE¼NW¼ sec. 32, T. 18 N., R. 120 W., Uinta County, Wyoming, Hydrologic Unit 16010101, on right bank 1,100 ft downstream from Woodruff Narrows Dam, 1.6 mi upstream from Salt Creek, 5.4 mi upstream from Wyoming-Utah State line, and 7.7 mi east of Woodruff.

DRAINAGE AREA.--784 mi^2.

PERIOD OF RECORD.--October 1961 to current year.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 6,398.96 ft above NGVD of 1929 (levels by Utah Water Resources Division from Bureau of Reclamation bench mark). Prior to September 26, 1962, at site 175 ft upstream at same datum.

REMARKS.--Records good. Flow regulated by Woodruff Narrows Reservoir (station 10020200) beginning January 1962. Diversions for irrigation of about 43,500 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft^3/s, Jun 2, 1983, gage height, 8.26 ft; no flow Jul 4, 5, 1962, Aug 30, 31, Sep 1, 2, 6, 7, 1979, Oct 30, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,190 ft^3/s, May 31; minimum daily discharge, 3.5 ft^3/s, Oct 5.

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	9.8	11	e12	13	13	14	16	147	1,170	191	45	23
2	9.5	11	e12	13	13	14	16	148	1,170	191	38	23
3	9.7	11	e12	13	13	14	16	89	1,170	190	32	23
4	9.0	11	e12	13	13	14	16	35	1,160	223	32	23
5	3.5	11	e12	13	13	14	16	35	1,140	245	32	23
6	6.2	11	12	13	13	14	16	53	1,040	240	32	23
7	9.3	11	12	13	13	14	16	96	865	231	32	23
8	11	11	12	13	13	14	16	133	803	237	32	23
9	11	11	12	13	13	14	16	153	760	119	32	23
10	11	11	12	13	13	15	16	155	748	49	32	23
11	11	11	12	13	13	15	16	155	743	48	32	36
12	11	11	12	13	13	15	16	175	742	48	32	46
13	11	11	12	13	13	15	16	192	735	48	32	45
14	11	12	12	13	13	16	15	193	724	48	24	45
15	11	12	12	13	13	16	14	196	702	48	15	44
16	11	12	12	13	13	16	14	259	711	48	15	40
17	11	12	12	13	13	15	15	395	706	48	15	39
18	11	12	12	13	13	15	15	397	361	46	17	33
19	11	12	13	13	13	15	14	401	142	41	24	27
20	11	12	13	13	13	16	14	454	140	40	24	27
21	11	12	13	13	14	16	14	548	140	40	24	27
22	11	12	13	13	14	16	15	543	140	40	23	27
23	11	12	13	13	14	16	15	647	141	40	23	24
24	11	12	13	13	14	16	15	883	165	39	24	14
25	11	12	12	13	14	16	15	888	185	38	24	14
26	11	12	12	13	14	16	14	900	195	38	24	14
27	11	12	12	13	14	16	14	918	201	38	23	14
28	11	12	12	13	14	16	14	1,030	197	38	23	14
29	11	e12	12	13	---	16	14	1,180	196	38	23	14
30	11	e12	13	13	---	16	81	1,180	195	38	23	14
31	11	---	13	13	---	16	---	1,190	---	40	23	---
TOTAL	321.0	347	380	403	372	471	520	13,768	17,487	2,806	826	788
MEAN	10.4	11.6	12.3	13.0	13.3	15.2	17.3	444	583	90.5	26.6	26.3
MAX	11	12	13	13	14	16	81	1,190	1,170	245	45	46
MIN	3.5	11	12	13	13	14	14	35	140	38	15	14
AC-FT	637	688	754	799	738	934	1,030	27,310	34,690	5,570	1,640	1,560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2003, BY WATER YEAR (WY)

MEAN	57.6	53.4	46.5	44.2	47.0	95.1	273	767	971	282	77.2	59.9
MAX	425	421	184	153	171	473	891	1,828	2,437	913	331	278
(WY)	(1983)	(1983)	(1983)	(1985)	(1971)	(1972)	(1985)	(1984)	(1983)	(1975)	(1983)	(1983)
MIN	3.89	0.12	4.28	4.37	4.71	4.70	0.34	27.8	356	10.5	3.91	3.65
(WY)	(1990)	(1981)	(1978)	(1978)	(1978)	(1978)	(1977)	(1977)	(2002)	(2002)	(1979)	(1979)

10020300 BEAR RIVER BELOW RESERVOIR, NEAR WOODRUFF, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1962 - 2003	
ANNUAL TOTAL	19,138.0		38,489.0			
ANNUAL MEAN	52.4		105		231	
HIGHEST ANNUAL MEAN					509	1983
LOWEST ANNUAL MEAN					44.3	1977
HIGHEST DAILY MEAN	1,220	May 29	1,190	May 31	3,630	Jun 3, 1983
LOWEST DAILY MEAN	3.4	Sep 6	3.5	Oct 5	0.00	Jul 4, 1962
ANNUAL SEVEN-DAY MINIMUM	7.3	Sep 1	8.1	Oct 1	0.07	Nov 26, 1980
ANNUAL RUNOFF (AC-FT)	37,960		76,340		167,700	
10 PERCENT EXCEEDS	22		238		792	
50 PERCENT EXCEEDS	13		15		40	
90 PERCENT EXCEEDS	9.3		11		9.7	

e Estimated

10023000 BIG CREEK NEAR RANDOLPH, UT

LOCATION.--Lat 41°36'36", long 111°15'12", in NW¼NW¼NE¼ sec. 15, T. 10 W., R. 6 E., Rich County, Hydrologic Unit 16010101, on left bank 2.7 mi downstream from main forks and 5.2 mi southwest of Randolph.

DRAINAGE AREA.--52.4 mi^2.

PERIOD OF RECORD.--March 1939 to September 1944 (fragmentary), October 1949 to September 1970. October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,410 ft above NGVD of 1929, from topographic map. March 1939 to September 1944 (fragmentary), at site 0.2 mi downstream at different datum, October 1949 to September 1959 at site 200 ft upstream at different datum, September 1959 to September 1970 at site 300 ft upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 337 ft^3/s, Jul 11, 1957, gage height, 3.75 ft, site and datum then in use; minimum discharge, 0.9 ft^3/s, Aug 4, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
		unknown	unknown				

Minimum daily discharge, 1.0 ft^3/s, Jul 15.

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	4.7	e4.1	e6.0	e5.4	e3.9	e3.2	e5.8	e3.8	2.6	1.6	1.5	2.1
2	5.9	e4.0	e6.2	e5.1	e3.5	e3.3	e6.0	e3.8	2.6	1.6	1.8	2.1
3	4.8	e3.9	e6.4	e4.6	e3.3	e3.4	e6.0	e3.7	2.6	1.5	2.8	2.3
4	4.3	e3.7	e6.6	e4.6	e3.0	e3.4	e6.2	e3.7	2.6	1.5	2.8	2.3
5	4.1	e3.6	e6.4	e4.7	e2.6	e3.5	e6.2	e3.6	2.5	1.5	2.3	2.3
6	4.0	e3.5	e6.1	e5.1	e2.4	e3.6	e6.4	e3.5	2.4	1.6	2.3	2.6
7	3.9	e3.7	e5.7	e5.4	e2.3	e3.7	e6.4	e3.5	2.3	1.5	2.2	2.7
8	3.9	e3.8	e5.4	e5.8	e2.2	e3.8	e6.1	e3.4	2.2	1.4	2.0	2.4
9	3.9	e4.0	e5.1	e6.0	e2.3	e4.0	e5.8	e3.4	2.2	1.5	2.0	2.8
10	3.9	e4.1	e4.7	e6.3	e2.3	e4.2	e5.8	e3.4	2.2	1.4	1.9	3.1
11	3.7	e4.2	e4.6	e6.5	e2.4	e4.5	e6.0	e3.3	2.1	1.3	1.8	3.1
12	3.7	e4.3	e4.4	e6.0	e2.5	e4.8	e6.2	e3.3	2.4	1.3	1.7	2.8
13	3.8	e4.5	e4.2	e5.6	e2.6	e5.2	e6.4	e3.2	e2.4	1.2	1.9	2.6
14	3.9	e4.6	e3.9	e5.4	e2.7	e6.2	e6.4	3.2	e2.4	1.1	1.8	2.7
15	3.9	e4.8	e3.8	e5.0	e2.9	e7.3	e6.2	3.3	2.3	1.0	2.0	2.5
16	3.8	e4.9	e3.7	e4.5	e3.0	e6.3	e5.9	3.3	2.1	1.1	2.2	2.4
17	3.9	e5.0	e3.7	e4.2	e3.1	e5.8	e5.6	3.3	2.6	1.3	1.9	2.5
18	3.8	e5.2	e3.9	e4.0	e3.3	e5.6	e5.4	3.4	2.4	1.7	1.6	3.2
19	3.8	e5.4	e4.2	e3.7	e3.4	e5.4	e5.0	3.3	2.5	1.5	1.7	3.0
20	3.8	e5.6	e4.5	e3.8	e3.6	e5.2	e4.8	3.4	2.3	1.7	1.5	2.8
21	3.8	e5.4	e4.6	e4.0	e3.8	e5.2	e4.8	3.2	3.3	2.1	1.4	2.8
22	3.9	e5.2	e4.8	e4.3	e3.9	e5.4	e4.6	2.9	3.2	e1.8	1.9	2.7
23	4.7	e5.0	e5.2	e4.5	e3.8	e5.6	e4.5	2.9	3.4	e1.6	2.5	2.6
24	4.6	e5.0	e5.6	e4.9	e3.7	e5.4	e4.5	2.9	3.9	1.5	2.0	2.5
25	4.1	e5.1	e5.8	e5.3	e3.5	e5.2	e4.4	3.1	3.7	1.2	2.0	2.5
26	3.9	e5.1	e6.2	e5.8	e3.3	e5.1	e4.4	3.0	2.7	2.9	1.8	2.5
27	3.8	e5.3	e5.7	e6.2	e3.2	e4.9	e4.3	2.9	2.2	1.9	1.9	2.4
28	3.9	e5.6	e5.5	e6.6	e3.1	e5.1	e4.2	2.8	1.9	1.8	1.8	2.4
29	4.0	e5.6	e5.4	e5.7	---	e5.4	e4.1	2.8	2.0	1.8	1.9	2.4
30	e4.0	e5.8	e5.6	e5.1	---	e5.4	e3.9	2.7	1.8	1.6	2.4	2.4
31	e4.0	---	e6.0	e4.4	---	e5.6	---	2.7	---	1.6	2.3	---
TOTAL	126.2	140.0	159.9	158.5	85.6	150.7	162.3	100.7	75.8	48.1	61.6	77.5
MEAN	4.07	4.67	5.16	5.11	3.06	4.86	5.41	3.25	2.53	1.55	1.99	2.58
MAX	5.9	5.8	6.6	6.6	3.9	7.3	6.4	3.8	3.9	2.9	2.8	3.2
MIN	3.7	3.5	3.7	3.7	2.2	3.2	3.9	2.7	1.8	1.0	1.4	2.1
AC-FT	250	278	317	314	170	299	322	200	150	95	122	154

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-70, 1987-2003, BY WATER YEAR (WY)

MEAN	12.2	11.2	10.1	9.35	9.15	10.4	15.3	30.7	21.9	16.2	13.6	12.5
MAX	26.7	25.9	23.7	23.4	22.7	25.4	42.3	95.4	62.2	40.3	32.8	29.2
(WY)	(2000)	(1987)	(1987)	(1987)	(1999)	(1999)	(1951)	(1952)	(1952)	(1950)	(1999)	(1999)
MIN	2.14	2.84	2.18	2.17	2.63	2.65	3.56	2.85	1.86	1.48	1.29	1.80
(WY)	(1993)	(1993)	(1991)	(1991)	(1991)	(1991)	(1991)	(1992)	(1992)	(1961)	(1992)	(1992)

10023000 BIG CREEK NEAR RANDOLPH, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1950-70, 1987-2003	
ANNUAL TOTAL	1,612.9		1,346.9			
ANNUAL MEAN	4.42		3.69		14.4	
HIGHEST ANNUAL MEAN					32.1	1952
LOWEST ANNUAL MEAN					3.24	1992
HIGHEST DAILY MEAN	8.3	May 11	7.3	Mar 15	140	May 18, 1950
LOWEST DAILY MEAN	2.4	Aug 12	1.0	Jul 15	1.0	Aug 5, 1992
ANNUAL SEVEN-DAY MINIMUM	2.5	Aug 7	1.2	Jul 11	1.1	Aug 8, 1992
ANNUAL RUNOFF (AC-FT)	3,200		2,670		10,440	
10 PERCENT EXCEEDS	6.3		5.8		29	
50 PERCENT EXCEEDS	4.0		3.7		10	
90 PERCENT EXCEEDS	3.0		1.8		3.7	

e Estimated

10028500 BEAR RIVER BELOW PIXLEY DAM, NEAR COKEVILLE, WY

LOCATION.--Lat 41°56'20", long 110°59'05", in SW¼SE¼SE¼ sec. 25, T. 23 N., R. 120 W., Lincoln County, Hydrologic Unit 16010102, 800 ft downstream from Pixley Dam, 11 mi south of Cokeville, and 17.5 mi downstream from Twin Creek.

DRAINAGE AREA.--2,032 mi^2.

PERIOD OF RECORD.--October 1941 to November 1943 (published as Bear River near Cokeville), October 1952 to September 1956, May 1958 to current year (seasonal only). Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,185 ft above NGVD of 1929, from river-profile map. October 31, 1941 to November 30, 1943, at site 200 ft downstream at different datum.

REMARKS.--Records fair. Natural flow of stream affected by diversions for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 2,300 ft^3/s, Mar 25, 1956; minimum daily discharge, 0.09 ft^3/s, Sep 8, 2002.

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	0.51	---	---	---	---	---	12	1.7	0.66	13	30	9.9
2	---	---	---	---	---	---	13	1.6	1.2	7.2	29	9.6
3	---	---	---	---	---	---	11	1.3	1.4	3.0	26	9.9
4	---	---	---	---	---	---	9.9	1.3	1.6	1.1	27	8.3
5	---	---	---	---	---	---	9.5	1.1	1.8	e1.0	25	8.1
6	---	---	---	---	---	---	8.6	1.1	1.7	e1.0	23	7.7
7	---	---	---	---	---	---	8.1	1.5	1.9	e1.0	22	9.4
8	---	---	---	---	---	---	6.4	1.5	1.6	1.3	20	9.0
9	---	---	---	---	---	---	4.1	2.1	1.5	1.4	19	9.2
10	---	---	---	---	---	---	2.9	1.8	1.3	2.6	18	10
11	---	---	---	---	---	---	2.6	1.5	1.2	3.2	19	11
12	---	---	---	---	---	---	2.3	1.5	1.3	2.3	17	11
13	---	---	---	---	---	---	1.3	1.6	1.1	1.3	16	12
14	---	---	---	---	---	---	1.1	1.6	0.83	52	17	12
15	---	---	---	---	---	---	1.2	1.7	0.84	135	17	12
16	---	---	---	---	---	---	1.2	1.5	1.4	127	16	11
17	---	---	---	---	---	---	1.00	1.5	3.0	96	14	11
18	---	---	---	---	---	---	1.2	1.5	3.9	75	13	11
19	---	---	---	---	---	---	1.3	1.8	6.0	67	14	11
20	---	---	---	---	---	---	1.6	3.2	5.8	63	13	11
21	---	---	---	---	---	---	2.9	3.0	5.2	65	14	11
22	---	---	---	---	---	---	2.8	3.6	5.2	59	14	11
23	---	---	---	---	---	---	2.3	3.6	7.1	52	15	11
24	---	---	---	---	---	---	2.4	3.0	13	47	13	9.7
25	---	---	---	---	---	---	2.3	2.3	22	45	12	3.4
26	---	---	---	---	---	---	2.1	2.1	33	47	12	5.0
27	---	---	---	---	---	---	2.4	2.2	42	42	11	5.9
28	---	---	---	---	---	---	2.2	1.8	36	40	10	1.9
29	---	---	---	---	---	---	2.1	1.6	29	38	10	2.3
30	---	---	---	---	---	---	2.2	1.1	21	35	10	2.2
31	---	---	---	---	---	---	---	0.86	---	33	11	---
TOTAL	---	---	---	---	---	---	124.00	57.56	253.53	1,157.4	527	267.5
MEAN	---	---	---	---	---	---	4.13	1.86	8.45	37.3	17.0	8.92
MAX	---	---	---	---	---	---	13	3.6	42	135	30	12
MIN	---	---	---	---	---	---	1.0	0.86	0.66	1.0	10	1.9
AC-FT	---	---	---	---	---	---	246	114	503	2,300	1,050	531

e Estimated

10032000 SMITHS FORK NEAR BORDER, WY

LOCATION.--Lat 42°17'36", long 110°52'18", in NE¼SW¼SW¼ sec. 28, T. 27 N., R. 118 W., Lincoln County, Hydrologic Unit 16010102, on left bank 4.9 mi upstream from Howland Creek, 5.6 mi downstream from Hobble Creek, and 12.4 mi northeast of Border.

DRAINAGE AREA.--165 mi^2.

PERIOD OF RECORD.--May 1942 to current year.

REVISED RECORDS.--WSP 1734: 1952(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,720 ft above NGVD of 1929, from topographic map. Prior to October 16, 1945, at site 1.2 mi downstream at different datum. October 16, 1945 to November 1986 at site 0.4 mi downstream at different datum.

REMARKS.--Records fair, except for estimated daily discharges, which are poor. One diversion for irrigation of about 200 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,100 ft^3/s, Jun 4, 1986, gage height, 5.66 ft; minimum, 21 ft^3/s, Mar 29, 1975, Jan 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 697 ft^3/s, May 30, gage height, 2.82 ft; minimum daily discharge, 30 ft^3/s, Feb 13, 14, 15.

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	73	e54	52	e50	49	e34	66	203	586	183	114	83
2	74	e54	54	e48	50	e34	66	198	528	178	111	84
3	69	e53	59	e46	41	e35	63	206	482	174	115	83
4	71	e54	54	e45	e40	e35	73	209	448	170	114	81
5	72	e54	51	e44	e39	e38	59	203	414	167	108	81
6	69	e56	51	e44	e39	e39	58	188	387	164	105	83
7	66	e56	e51	e42	e36	e40	54	179	365	161	102	86
8	65	56	e51	e40	e35	e42	58	179	347	161	102	82
9	64	57	e50	e42	e34	e44	67	191	341	160	103	84
10	63	56	e50	e44	e33	e45	85	e180	331	155	99	95
11	63	55	e51	e45	e32	e46	105	e175	318	150	97	88
12	62	58	50	e42	e31	e48	125	171	e320	146	95	83
13	61	55	e50	e40	e30	e50	148	181	e300	143	94	81
14	61	55	51	e42	e30	e51	177	210	e280	140	94	80
15	60	54	51	e43	e30	e54	197	252	271	136	100	78
16	60	e55	e50	e45	e31	e56	e170	285	264	134	98	77
17	60	e55	e50	e47	e31	e63	e150	322	262	132	96	81
18	59	e55	e49	e47	e32	e61	156	300	253	131	92	82
19	59	e55	e48	e46	e32	e58	158	286	246	130	90	80
20	59	56	e48	e46	e33	e57	177	280	242	133	85	77
21	58	54	e47	e46	e33	52	191	e300	258	133	84	76
22	59	53	e46	e45	e34	57	205	322	241	128	86	75
23	63	56	e45	e45	e34	60	198	374	228	125	88	75
24	63	55	e44	e45	e33	54	203	415	231	123	83	74
25	61	e55	e42	e47	e32	54	237	452	243	122	82	73
26	59	e54	e41	45	e32	63	245	509	221	129	83	72
27	58	e54	e42	45	e33	55	206	550	211	121	85	71
28	56	e53	e43	47	e33	55	201	560	199	119	84	70
29	53	e53	e46	44	---	e55	218	590	193	118	85	70
30	57	e53	e48	47	---	e56	213	617	188	115	93	68
31	e56	---	e51	50	---	58	---	613	---	114	88	---
TOTAL	1,933	1,643	1,516	1,394	972	1,549	4,329	9,700	9,198	4,395	2,955	2,373
MEAN	62.4	54.8	48.9	45.0	34.7	50.0	144	313	307	142	95.3	79.1
MAX	74	58	59	50	50	63	245	617	586	183	115	95
MIN	53	53	41	40	30	34	54	171	188	114	82	68
AC-FT	3,830	3,260	3,010	2,760	1,930	3,070	8,590	19,240	18,240	8,720	5,860	4,710

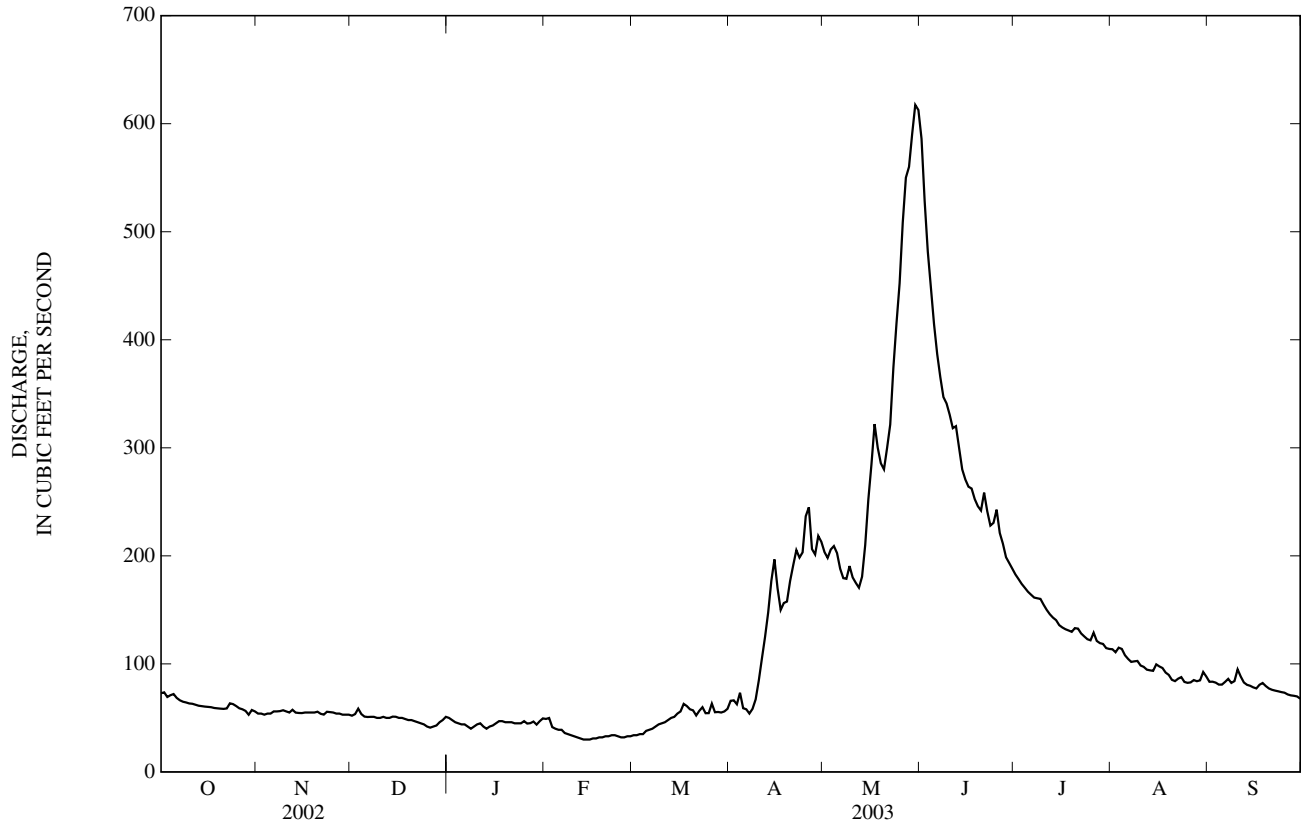
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2003, BY WATER YEAR (WY)

MEAN	90.5	77.9	68.9	63.3	60.7	62.5	159	535	622	291	151	108
MAX	156	113	88.4	85.0	82.8	99.4	385	1,072	1,377	602	242	166
(WY)	(1987)	(1986)	(1983)	(1983)	(1984)	(1986)	(1946)	(1997)	(1986)	(1975)	(1983)	(1986)
MIN	51.0	50.7	41.5	40.1	34.7	39.5	58.6	99.1	96.2	61.4	55.1	52.1
(WY)	(1978)	(1978)	(2002)	(1988)	(2003)	(1988)	(1975)	(1977)	(1977)	(1977)	(1977)	(1977)

10032000 SMITHS FORK NEAR BORDER, WY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1943 - 2003	
ANNUAL TOTAL	37,508		41,957			
ANNUAL MEAN	103		115		191	
HIGHEST ANNUAL MEAN					324	1986
LOWEST ANNUAL MEAN					71.1	1977
HIGHEST DAILY MEAN	472	Jun 1	617	May 30	2,000	Jun 4, 1986
LOWEST DAILY MEAN	40	Jan 1	30	Feb 13	30	Feb 13, 2003
ANNUAL SEVEN-DAY MINIMUM	40	Jan 31	31	Feb 11	31	Feb 11, 2003
ANNUAL RUNOFF (AC-FT)	74,400		83,220		138,500	
10 PERCENT EXCEEDS	222		248		506	
50 PERCENT EXCEEDS	67		66		90	
90 PERCENT EXCEEDS	41		42		58	

e Estimated



10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY

LOCATION.--Lat 42°07'36", long 110°58'21", in NW¼SE¼NE¼ sec. 28, T. 25 N., R. 119 W., Lincoln County, Hydrologic Unit 16010102, on left bank 1.1 mi upstream from Wyman Dam, 2.8 mi northwest of Cokeville, and 3.8 mi downstream from Smiths Fork.

DRAINAGE AREA.--2,447 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1954 to current year (October 1996 to September 1998 seasonal).

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,140 ft above NGVD of 1929, from river-profile map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Natural flow of stream affected by diversion for irrigation, return flow from irrigated areas, and regulation by upstream reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,620 ft^3/s, Jun 7, 1983, gage height, 8.75 ft; minimum, 31 ft^3/s, Oct 4, 5, 6, 1977, Nov 7, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 572 ft^3/s, May 30, gage height, 3.87 ft; minimum discharge, 31 ft^3/s, Nov 7.

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	85	74	144	e80	e97	e82	110	159	550	293	114	117
2	88	66	130	e85	e92	e85	104	174	510	275	111	112
3	80	77	133	e86	e87	e87	91	169	457	243	117	113
4	79	85	135	e88	e80	e90	80	171	404	224	127	110
5	84	95	137	e85	e76	e92	77	176	369	213	118	112
6	83	85	130	e83	e73	e94	76	174	351	e190	113	112
7	75	79	113	e82	e71	e100	70	166	329	e180	117	118
8	72	85	107	e77	e68	e110	69	183	310	e170	127	113
9	70	102	e110	e81	e70	116	75	211	303	166	130	115
10	72	100	e111	e86	e73	144	87	224	301	172	124	128
11	72	100	e110	e89	e77	182	91	208	297	167	123	128
12	70	94	e109	e95	e80	232	91	209	278	164	120	116
13	70	114	e109	e93	e86	233	102	207	e270	159	120	109
14	70	110	e108	e91	e90	261	119	220	262	154	119	107
15	70	108	e108	e86	e94	202	132	244	245	186	124	105
16	70	116	e105	e84	e102	205	121	272	239	224	123	105
17	69	123	e104	e83	e101	199	98	280	242	204	120	109
18	68	137	e98	e82	e98	161	98	286	256	181	114	115
19	68	127	e94	e83	e98	143	97	279	260	160	111	103
20	67	118	e88	e85	e90	137	106	266	259	148	110	100
21	67	115	e86	e85	e89	129	119	266	300	147	110	96
22	67	139	e84	e88	e87	129	134	272	305	147	112	94
23	78	140	e83	e86	e85	141	137	296	285	127	118	92
24	83	137	e82	e85	e86	119	130	315	290	119	114	91
25	77	114	e84	e91	e84	110	126	353	347	114	111	90
26	77	101	e88	e96	e83	129	135	403	338	125	107	87
27	74	155	e96	e98	e79	124	135	446	372	115	109	85
28	79	144	e98	e100	e80	117	128	469	348	111	112	85
29	79	138	e94	e110	---	107	134	505	327	109	111	84
30	65	127	e90	e108	---	e110	139	543	311	104	124	83
31	72	---	e82	e104	---	112	---	552	---	103	127	---
TOTAL	2,300	3,305	3,250	2,755	2,376	4,282	3,211	8,698	9,715	5,194	3,637	3,134
MEAN	74.2	110	105	88.9	84.9	138	107	281	324	168	117	104
MAX	88	155	144	110	102	261	139	552	550	293	130	128
MIN	65	66	82	77	68	82	69	159	239	103	107	83
AC-FT	4,560	6,560	6,450	5,460	4,710	8,490	6,370	17,250	19,270	10,300	7,210	6,220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955 - 2003, BY WATER YEAR (WY)

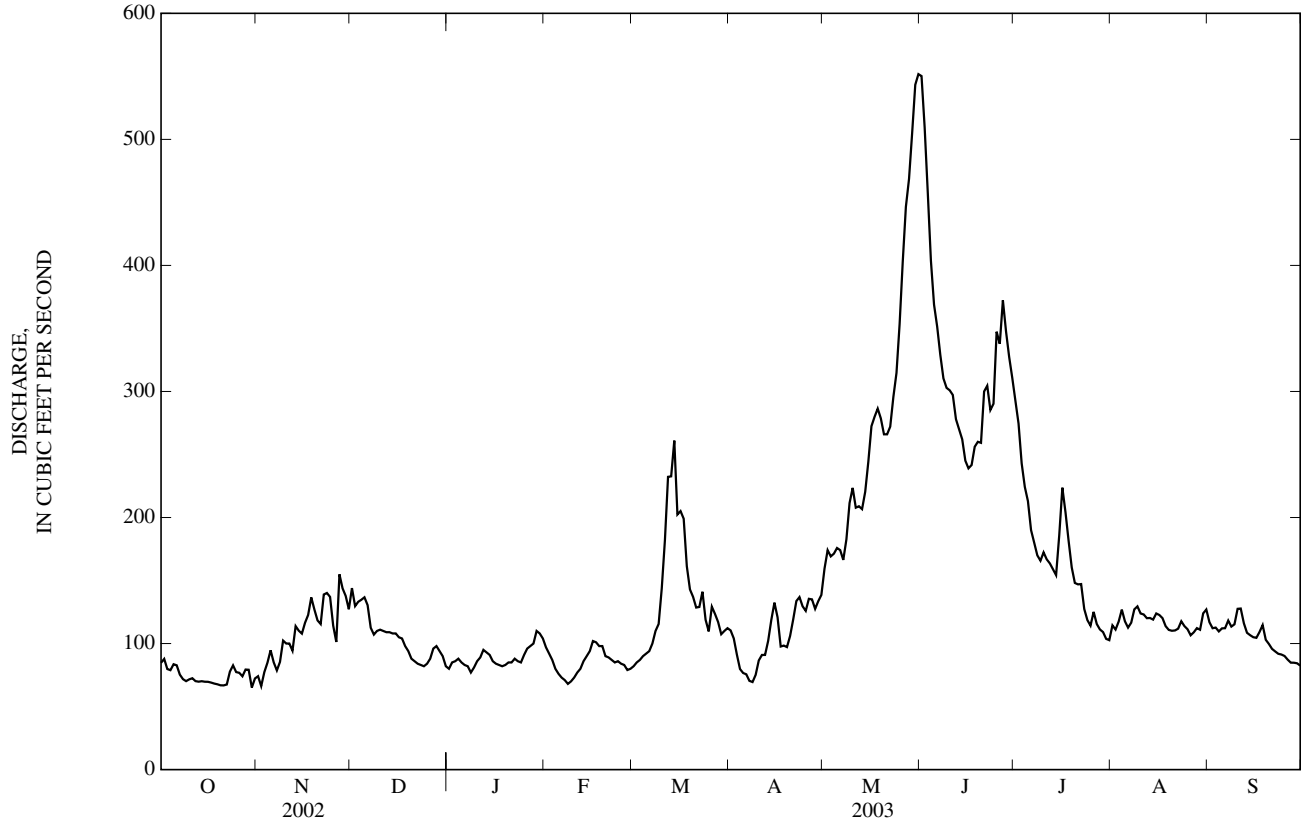
MEAN	219	229	201	182	206	359	663	959	1,194	567	234	200
MAX	755	692	536	344	429	1,159	1,945	2,794	3,712	1,556	707	658
(WY)	(1983)	(1983)	(1983)	(1984)	(1986)	(1986)	(1985)	(1984)	(1983)	(1983)	(1983)	(1983)
MIN	55.6	83.1	96.5	86.2	82.4	116	69.2	115	96.7	71.4	80.1	55.9
(WY)	(1978)	(1978)	(1978)	(1993)	(1993)	(1988)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)

10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1955 - 2003	
ANNUAL TOTAL	46,374		51,857			
ANNUAL MEAN	127		142		433	
HIGHEST ANNUAL MEAN					1,049	1984
LOWEST ANNUAL MEAN					112	1977
HIGHEST DAILY MEAN	386	Jun 2	552	May 31	5,400	Jun 7, 1983
LOWEST DAILY MEAN	62	Sep 5	65	Oct 30	31	Oct 5, 1977
ANNUAL SEVEN-DAY MINIMUM	64	Aug 31	68	Oct 16	36	Oct 1, 1977
ANNUAL RUNOFF (AC-FT)	91,980		102,900		313,400	
10 PERCENT EXCEEDS	213		273		1,050	
50 PERCENT EXCEEDS	104		111		220	
90 PERCENT EXCEEDS	73		77		108	

Enter new information here.

e Estimated



10038000 BEAR RIVER BELOW SMITHS FORK, NEAR COKEVILLE, WY—Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 29, 1998 to current year.

PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: November 13, 1998 to September 30, 2001.

EXTREMES FOR PERIOD OF DAILY RECORD.--
WATER TEMPERATURE: Maximum, 23.3°C, Jul 4, 5, 6, 2001; minimum, 0.0°C, on many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
OCT													
29...	1210	73	611	106	11.5	8.4	531	1.0	3.1	182	216	3	17.8
NOV													
26...	1350	97	616	123	14.1	8.5	593	1.5	1.0	210	240	6	23.0
DEC													
16...	1210	86	603	116	13.3	8.4	595	-4.0	0.2	205	240	5	20.5
JAN													
29...	1220	122	617	115	13.5	8.4	560	6.0	0.4	198	234	4	18.1
MAR													
21...	1320	128	613	128	12.7	8.4	542	7.5	6.2	183	213	5	21.1
MAY													
08...	1320	170	605	155	14.2	8.6	519	9.0	9.8	190	222	5	14.8
JUL													
18...	1100	197	620	135	10.2	8.3	726	27.5	18.9	248	303	--	42.2
SEP													
23...	1230	79	616	146	12.8	8.5	510	19.0	11.8	170	198	5	15.4

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Ammonia water, fltrd, mg/L (71846)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Fecal coliform, M-FC 0.7u MF col/ 100 mL (31625)	Suspended sediment load, tons/d (80155)	Suspended sediment concentration mg/L (80154)
OCT													
29...	76.7	<0.04	0.18	E.05	--	--	--	<0.008	<0.02	0.030	--	3.0	15
NOV													
26...	75.9	<0.04	0.15	E.06	--	--	--	<0.008	<0.02	0.023	E2	3.4	13
DEC													
16...	69.3	<0.04	0.19	0.06	--	0.25	--	<0.008	<0.02	0.019	--	3.9	17
JAN													
29...	65.8	0.04	0.26	0.08	0.22	0.34	0.06	<0.008	<0.02	0.029	--	11	33
MAR													
21...	76.0	E.02	0.37	E.04	--	--	--	<0.008	E.01	0.053	E2	5.5	16
MAY													
08...	64.0	<0.04	0.22	E.05	--	--	--	<0.008	<0.02	0.031	4	17	36
JUL													
18...	68.0	<0.04	0.67	<0.06	--	--	--	<0.008	<0.02	0.041	63	8.0	15
SEP													
23...	69.5	<0.04	0.15	<0.06	--	--	--	<0.008	<0.02	0.011	--	2.6	12

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)
JUL												
31...	1200	103	11.2	8.4	575	20.0	92.1	310	367.2	60.5	657	52

E Estimated value.
< Actual value is known to be less than the value shown.

10039500 BEAR RIVER AT BORDER, WY

LOCATION.--Lat 42°12'40", long 111°03'11", in NE¼NE¼NE¼ sec. 15, T. 14 S., R. 46 E., Bear Lake County, Idaho, Hydrologic Unit 16010102, on left bank 0.2 mi west of Wyoming-Idaho State line, 0.5 mi west of Border, and 2.1 mi upstream from Thomas Fork.

DRAINAGE AREA.--2,486 mi^2.

PERIOD OF RECORD.--October 1937 to September 1996, October 1996 to September 2000 (seasonal), October 2000 to September 2001.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 6,051.63 ft above NGVD of 1929, unadjusted.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow of stream affected by regulation of upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,880 ft^3/s, Jun 7, 1983, gage height, 9.69 ft; minimum, 24 ft^3/s, Apr 29, 30, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 507 ft^3/s, May 30, gage height, 3.05 ft; minimum discharge, 37 ft^3/s, Oct 1.

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	43	78	120	e80	e97	e82	95	92	494	246	91	78
2	49	81	101	e85	e92	e85	95	134	465	242	96	71
3	47	72	109	e86	e87	e87	87	135	393	207	98	71
4	45	72	111	e88	e80	e90	77	134	337	186	111	70
5	46	80	118	e85	e76	e92	71	139	298	174	108	75
6	60	80	107	e83	e73	e94	71	138	267	162	102	73
7	95	76	101	e82	e71	e100	70	133	247	151	98	79
8	87	85	97	e77	e68	e110	66	137	229	138	107	80
9	82	94	96	e81	e70	e116	67	164	234	128	113	77
10	79	95	e105	e86	e73	e140	72	189	215	126	110	82
11	77	91	e101	e89	e77	153	77	177	211	125	104	87
12	78	86	e102	e95	e80	210	75	166	188	124	103	83
13	78	95	e98	e93	e86	240	84	164	180	119	102	74
14	79	97	e102	e91	e90	292	96	165	178	115	103	70
15	79	96	e102	e86	e94	228	111	184	165	125	102	63
16	78	106	e97	e84	e102	216	117	212	154	189	105	62
17	77	110	e98	e83	e101	227	98	220	158	190	86	64
18	80	109	e98	e82	e98	186	91	234	182	174	79	70
19	80	106	e94	e83	e98	162	89	227	203	152	75	68
20	79	105	e88	e85	e90	150	91	224	201	139	72	67
21	78	102	e86	e85	e89	143	103	215	226	134	71	64
22	78	106	e84	e88	e87	138	116	216	255	135	76	63
23	80	127	e83	e86	e85	152	127	230	235	129	82	61
24	85	119	e82	e85	e86	144	114	245	233	106	82	62
25	82	113	e84	e91	e84	127	109	282	289	106	78	61
26	79	95	e88	e96	e83	130	117	324	288	111	75	60
27	78	108	e96	e98	e79	121	124	390	309	111	72	58
28	80	109	e98	e100	e80	105	116	405	304	103	70	56
29	83	111	e94	e110	---	e103	104	438	286	99	69	55
30	76	109	e90	e108	---	e98	78	484	268	95	72	52
31	75	---	e82	e104	---	96	---	485	---	88	81	---
TOTAL	2,292	2,913	3,012	2,755	2,376	4,417	2,808	7,082	7,692	4,429	2,793	2,056
MEAN	73.9	97.1	97.2	88.9	84.9	142	93.6	228	256	143	90.1	68.5
MAX	95	127	120	110	102	292	127	485	494	246	113	87
MIN	43	72	82	77	68	82	66	92	154	88	69	52
AC-FT	4,550	5,780	5,970	5,460	4,710	8,760	5,570	14,050	15,260	8,780	5,540	4,080

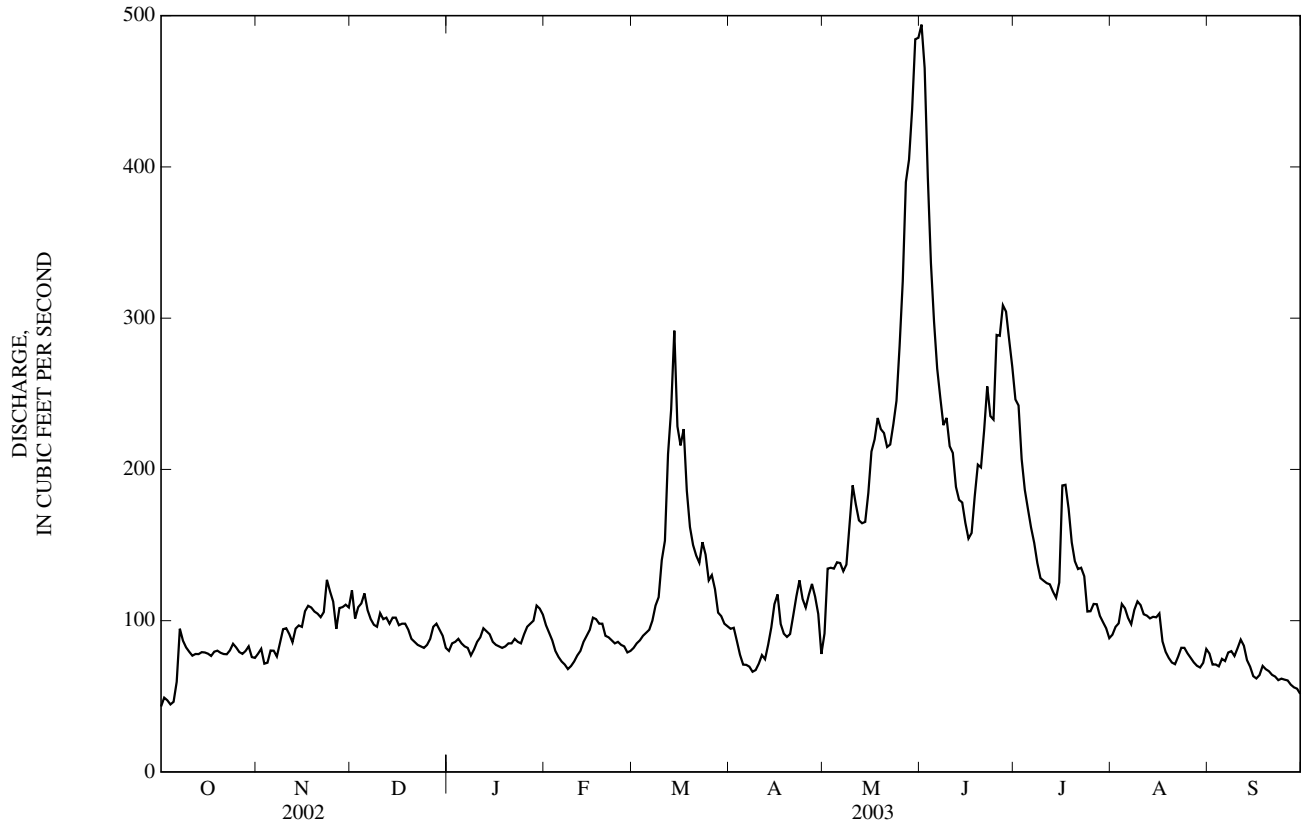
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	208	224	196	181	206	376	734	1,006	1,150	526	224	178
MAX	751	693	563	381	479	1,294	1,979	3,158	3,829	1,670	752	671
(WY)	(1983)	(1983)	(1983)	(1985)	(1986)	(1986)	(1985)	(1952)	(1983)	(1983)	(1983)	(1983)
MIN	43.5	74.6	97.2	77.6	75.2	105	71.2	74.4	62.2	54.2	42.3	38.5
(WY)	(2002)	(2002)	(2002)	(1993)	(1993)	(1988)	(1977)	(1977)	(1977)	(1977)	(1940)	(1940)

10039500 BEAR RIVER AT BORDER, WY—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	39,101		44,625			
ANNUAL MEAN	107		122		423	
HIGHEST ANNUAL MEAN					1,068	1983
LOWEST ANNUAL MEAN					103	2002
HIGHEST DAILY MEAN	336	Jun 3	494	Jun 1	4,840	Jun 8, 1983
LOWEST DAILY MEAN	29	Sep 4	43	Oct 1	25	Apr 29, 1977
ANNUAL SEVEN-DAY MINIMUM	33	Aug 31	55	Oct 1	29	Apr 28, 1977
ANNUAL RUNOFF (AC-FT)	77,560		88,510		306,500	
10 PERCENT EXCEEDS	185		225		1,090	
50 PERCENT EXCEEDS	95		96		218	
90 PERCENT EXCEEDS	42		71		104	

e Estimated



10046000 RAINBOW INLET CANAL NEAR DINGLE, ID

LOCATION.--Lat 42°13'48", long 111°17'43", in NW¼SW¼SE¼ sec. 3, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 1.5 mi west of Dingle and 1.8 mi downstream from headworks at Stewart Dam.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only prior to October 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage datum is 5,922.0 ft above NGVD of 1929, (by topographic survey). Prior to October 1, 1923, at site 300 ft downstream at different datum; October 1, 1923 to October 27, 1944, at site 0.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Canal diverts from Bear River at Stewart Dam in NE¼ sec. 34, T. 13 S., R. 44 E., for storage in Bear Lake. At times flow in canal is augmented by surplus water from Black Otter Slough entering at the station and by seepage and surplus water from irrigation.

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--81 years, 361 ft^3/s, 261,700 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,950 ft^3/s, May 27, 1984; no flow Apr 28, 1977 and Oct 1, 1979.

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	e3.9	69	e93	e98	e116	e110	195	e4.1	65	210	26	e5.7
2	e8.3	71	e93	e98	e120	e110	204	e4.1	65	195	27	e5.2
3	11	73	e96	e101	e120	e113	151	e4.1	103	186	27	e5.7
4	15	69	e96	e98	e120	e116	140	e4.1	103	159	26	e6.2
5	18	71	e90	e101	e120	e116	116	e4.1	e10	159	25	e5.7
6	24	71	e96	e104	e116	e116	107	e4.1	e10	163	26	e5.7
7	27	75	e98	e101	e120	e113	96	e4.1	e10	126	26	e5.2
8	32	85	e96	e98	e116	e116	83	e4.1	e10	107	27	e6.2
9	41	80	e90	e101	e116	e116	80	e4.1	e10	96	26	e6.2
10	48	83	e90	e104	e120	113	83	e4.1	e10	73	28	e5.7
11	49	85	e93	e107	e113	113	83	e4.1	e10	64	27	e6.2
12	51	85	e96	e104	e110	155	80	e4.1	e10	58	26	e6.2
13	53	83	e96	e101	e110	220	78	e4.1	e10	51	28	e6.2
14	51	80	e98	e104	e113	256	75	e4.1	e10	51	29	e6.2
15	55	88	e98	e104	e113	278	73	e4.1	e6.0	51	28	e6.2
16	48	85	e96	e107	e110	249	71	e4.1	e6.0	51	24	e6.2
17	49	78	e93	e110	e107	229	e4.0	e4.1	e6.0	51	20	e5.7
18	48	80	e96	e110	e113	243	e4.0	e4.1	e6.0	69	17	e5.2
19	49	80	e96	e113	e113	233	e4.0	e4.1	e6.0	98	15	e5.2
20	48	85	e98	e113	e110	213	e4.0	e4.1	e6.0	140	12	e5.2
21	48	90	e96	e110	e113	198	e4.0	e4.1	e6.0	116	e10	e5.2
22	49	88	e96	e104	e113	192	e4.0	e4.1	e6.0	96	e8.7	e5.7
23	56	88	e98	e104	e104	186	e4.0	e4.1	e6.0	85	e8.0	e5.7
24	60	90	e96	e104	e113	192	e4.0	e4.1	e6.0	75	e7.4	e5.7
25	64	93	e93	e110	e110	198	e4.0	e4.1	e6.0	26	e7.4	e5.2
26	64	90	e98	e113	e110	198	e4.0	e4.1	e6.0	26	e7.4	e5.7
27	62	98	e98	e113	e110	192	e4.0	e4.1	e6.0	26	e7.4	e6.2
28	64	88	e96	e116	e110	201	e4.0	e4.1	e6.0	26	e7.4	e5.7
29	80	88	e96	e116	---	192	e4.1	e4.1	e6.0	26	e7.4	e5.7
30	75	93	e98	e120	---	189	e4.1	65	e6.0	26	e7.4	e5.7
31	60	---	e98	e120	---	192	---	65	---	26	e7.4	---
TOTAL	1,411.2	2,482	2,961	3,307	3,179	5,458	1,771.2	248.9	532.0	2,712	575.9	172.5
MEAN	45.5	82.7	95.5	107	114	176	59.0	8.03	17.7	87.5	18.6	5.75
MAX	80	98	98	120	120	278	204	65	103	210	29	6.2
MIN	3.9	69	90	98	104	110	4.0	4.1	6.0	26	7.4	5.2
AC-FT	2,800	4,920	5,870	6,560	6,310	10,830	3,510	494	1,060	5,380	1,140	342

CAL YR	2002	TOTAL	18,614.0	MEAN	51.0	MAX	253	MIN 2.4	AC-FT	36,920
WTR YR	2003	TOTAL	24,810.7	MEAN	68.0	MAX	278	MIN 3.9	AC-FT	49,210

e Estimated

10055500 BEAR LAKE AT LIFTON, NEAR ST. CHARLES, ID

LOCATION.--Lat 42°07'16", long 111°18'52", in NE¼ sec. 16, T. 15 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, in Lifton pumping plant of Utah Power & Light Co., 3.5 mi east of St. Charles.

DRAINAGE AREA.--435 mi^2, approximately (does not include Mud Lake drainage).

PERIOD OF RECORD.--October 1903 to June 1906, elevations only, published as "at Fish Haven," January 1921 to current year. Monthly contents only January 1921 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,900 ft, PacifiCorp datum.

REMARKS.--Outflow regulated by gates and pumps at the north end of Bear Lake and by gates in dike at north end of Mud Lake, a shallow interconnected lake. Principal inflow to Bear Lake is from Bear River through Rainbow Inlet Canal (station 10046000) and Dingle Inlet Canals into Mud Lake, from which the inflow can enter into Bear Lake either through the pumping plant or an opening in the dividing causeway. The inflow can be routed directly into the Outlet Canal (station 10059500). Usable capacity of Bear Lake is 1,421,000 acre-ft between elevation 5,902.00 ft, lower limit of pumps, and 5,923.65 ft, upper limit of storage with existing facilities. Water is used for irrigation and power development. Figures herein given represent usable contents.

COOPERATION.--Records provided by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,423,000 acre-ft, Jun 10, 1923, elevation, 5,923.68 ft; no usable contents Nov 9-19, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 413,000 acre-ft May 28, elevation 5908.75 ft; minimum contents, 149,000 acre-ft Sep 30, elevation 5904.50 ft.

RESERVOIR STORAGE, THOUSAND ACRE FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	356	339	344	352	358	373	390	397	410	330	253	189
2	356	339	344	352	359	373	390	397	409	326	250	187
3	355	339	344	353	359	373	390	397	409	323	247	186
4	354	339	344	353	360	374	390	397	409	321	244	184
5	353	339	344	353	361	375	391	397	408	319	241	184
6	353	339	344	353	361	375	391	397	407	318	239	183
7	352	339	344	353	362	376	392	397	407	316	236	182
8	351	339	344	354	363	376	392	397	406	315	235	181
9	351	339	344	354	363	377	392	399	406	313	233	179
10	350	339	345	354	364	378	392	400	404	312	231	178
11	349	338	345	354	365	378	392	402	402	310	229	178
12	349	338	346	354	365	379	392	405	400	308	227	177
13	348	339	346	354	365	380	392	406	399	305	224	176
14	348	339	346	354	366	380	393	407	395	303	222	175
15	347	339	346	354	366	381	393	408	392	300	219	173
16	346	340	347	355	366	381	394	409	389	299	216	172
17	346	340	348	355	367	382	394	409	386	296	213	171
18	345	341	348	355	368	383	394	409	382	293	211	169
19	344	341	348	356	368	383	395	409	378	290	208	168
20	344	341	349	356	369	384	395	409	375	287	206	166
21	343	341	349	356	370	385	396	409	372	284	205	164
22	343	341	349	356	370	385	396	409	369	281	203	161
23	342	341	349	356	371	386	397	410	365	278	202	160
24	342	341	349	356	371	387	397	411	362	275	201	158
25	341	342	349	357	371	387	397	411	358	272	200	156
26	341	342	350	357	372	387	397	411	354	269	198	154
27	341	343	350	357	372	388	397	412	349	267	197	153
28	341	343	351	358	373	388	397	413	344	264	195	152
29	340	343	351	358	---	388	397	412	340	262	194	150
30	340	343	351	358	---	389	397	411	335	259	192	149
31	339	---	352	358	---	389	---	411	---	256	191	---
MAX	356	343	352	358	373	389	397	413	410	330	253	189
MIN	339	338	344	352	358	373	390	397	335	256	191	149
(#)	5907.59	5907.65	5907.79	5907.89	5908.12	5908.38	5908.50	5908.72	5907.52	5906.25	5905.19	5904.50
(*)	-19	+4	+9	+6	+15	+16	+8	+14	-76	-79	-65	-42

CAL YR 2002.....(*) -223
WTR YR 2003.....(*) -209

(#) Elevation, in feet, at end of month.
(*) Change in contents, in thousands of acre-feet.

10059500 BEAR LAKE OUTLET CANAL NEAR PARIS, ID

LOCATION.--Lat 42°13'00", long 111°20'35", in SW¼NW¼SW¼ sec. 8, T. 14 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on right bank 2,000 ft downstream from headgates (at dike) and 3 mi southeast of Paris.

PERIOD OF RECORD.--January 1922 to current year. Monthly discharge only January 1922 to September 1945, published in WSP 1314.

GAGE.--Water-stage recorder. Datum of gage is 5,912.6 ft above NGVD of 1929, unadjusted.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Bear Lake (station 10055500).

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--81 years, 416 ft^3/s, 301,500 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 3,080 ft^3/s, Jun 19-21, 1986; minimum daily discharge, 1.0 ft^3/s, for many days in 1937, 1954, 1959, 1961, 1964, 1977-78.

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	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	340	1,150	990	647
2	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	282	1,120	986	591
3	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	284	1,020	986	463
4	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	346	760	982	459
5	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	441	772	978	456
6	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	604	793	978	454
7	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	608	737	974	452
8	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	614	602	966	460
9	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	617	602	962	349
10	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	655	753	955	218
11	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	736	907	948	210
12	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	844	1,050	944	216
13	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,050	1,230	944	208
14	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,420	1,220	943	206
15	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,420	1,210	949	206
16	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,420	1,210	962	168
17	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,380	1,220	976	101
18	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,310	1,310	982	95
19	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,290	1,300	988	97
20	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,310	1,300	984	98
21	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,360	1,290	977	98
22	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,350	1,280	973	e5.0
23	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,350	1,250	966	e5.0
24	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,340	1,220	962	e5.0
25	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,340	1,210	839	e5.0
26	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,220	1,190	712	e5.0
27	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,180	1,160	794	e5.0
28	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	e5.0	1,230	1,090	787	e5.0
29	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	504	1,220	1,010	780	e5.0
30	e5.0	e5.0	e5.0	e5.0	---	e5.0	e5.0	509	1,220	1,010	703	e5.0
31	e5.0	---	e5.0	e5.0	---	e5.0	---	460	---	999	641	---
TOTAL	155.0	150.0	155.0	155.0	140.0	155.0	150.0	1,613.0	29,781	32,975	28,511	6,297.0
MEAN	5.00	5.00	5.00	5.00	5.00	5.00	5.00	52.0	993	1,064	920	210
MAX	5.0	5.0	5.0	5.0	5.0	5.0	5.0	509	1,420	1,310	990	647
MIN	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	282	602	641	5.0
AC-FT	307	298	307	307	278	307	298	3,200	59,070	65,410	56,550	12,490

CAL YR	2002	TOTAL	109,059.0	MEAN	299	MAX	1,660	MIN 5.0 AC-FT 216,300
WTR YR	2003	TOTAL	100,237.0	MEAN	275	MAX	1,420	MIN 5.0 AC-FT 198,800

e Estimated

10068500 BEAR RIVER AT PESCADERO, ID

LOCATION.--Lat 42°24'06", long 111°21'22", in SW¼SW¼SE¼ sec. 6, T. 12 S., R. 44 E., Bear Lake County, Hydrologic Unit 16010201, on left bank at Pescadero, 400 ft downstream from road bridge, 2 mi downstream from Bennington Creek, and 6.5 mi northwest of Montpelier.

DRAINAGE AREA.--3,705 mi^2.

PERIOD OF RECORD.--October 1921 to September 1954. June 1969 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorded. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map. Prior to October 1, 1988 at datum 0.35 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Bear Lake (station 10055500) and diversions above station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 4,280 ft^3/s, Jun 21, 1986; minimum daily, 23 ft^3/s, Mar 14-17, 1936.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,520 ft^3/s, Jun 26, gage height, 5.54 ft; minimum daily discharge, 28 ft^3/s, Sep 30.

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	42	39	51	e83	126	e84	93	49	491	1,400	1,030	685
2	44	40	52	e82	180	e84	82	49	421	1,350	1,030	681
3	55	42	50	e79	237	e82	78	51	400	1,210	1,050	567
4	44	43	57	e79	165	e83	76	51	411	945	1,030	496
5	47	45	54	e78	156	e84	76	54	512	870	1,020	486
6	50	45	52	e77	124	e81	74	58	648	878	1,020	485
7	50	44	47	e79	106	e81	e75	59	718	864	1,020	487
8	51	49	56	e80	e95	80	76	55	721	700	1,010	481
9	48	52	58	e81	e86	89	76	67	711	647	1,010	480
10	45	51	61	e77	e82	77	76	78	716	660	1,000	333
11	42	52	59	e73	e78	93	80	79	781	923	1,000	266
12	37	57	51	e74	e72	140	82	e83	871	976	994	257
13	35	52	55	e77	e72	236	80	85	e1,100	1,190	989	253
14	37	52	55	e79	e74	274	78	85	1,320	1,240	986	252
15	36	49	54	e79	e75	259	74	105	1,440	1,240	991	252
16	37	49	58	e76	e78	235	67	89	1,460	1,230	1,010	251
17	37	56	58	e73	e83	221	55	69	1,440	1,230	1,020	194
18	36	57	e58	e69	e84	173	48	68	1,370	1,310	1,030	159
19	37	61	e58	e70	e82	169	51	79	1,340	1,340	1,040	153
20	37	55	e56	e73	e82	145	55	76	1,340	1,340	1,050	152
21	37	55	e56	e77	e82	120	53	73	1,410	1,340	1,040	148
22	37	57	e56	e76	e82	108	49	72	1,420	1,340	1,050	147
23	41	56	e58	e75	e86	103	47	72	1,410	1,330	1,040	91
24	43	57	60	e72	e85	101	42	77	1,420	1,300	1,020	49
25	41	68	58	e74	e82	90	43	77	1,430	1,280	1,010	40
26	40	66	61	e76	e84	93	45	70	1,490	1,270	794	37
27	38	71	63	e77	e84	118	52	66	1,400	1,240	803	36
28	38	65	84	e80	e84	127	53	70	1,410	1,210	828	e32
29	46	57	99	e83	---	126	49	384	1,420	1,080	823	e30
30	46	53	79	e86	---	116	49	583	1,420	1,060	811	e28
31	40	---	78	e95	---	112	---	585	---	1,050	704	---
TOTAL	1,294	1,595	1,852	2,409	2,806	3,984	1,934	3,518	32,441	35,043	30,253	8,008
MEAN	41.7	53.2	59.7	77.7	100	129	64.5	113	1,081	1,130	976	267
MAX	55	71	99	95	237	274	93	585	1,490	1,400	1,050	685
MIN	35	39	47	69	72	77	42	49	400	647	704	28
AC-FT	2,570	3,160	3,670	4,780	5,570	7,900	3,840	6,980	64,350	69,510	60,010	15,880

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923-54, 1970-2003, BY WATER YEAR (WY)

MEAN	456	466	469	428	386	395	430	566	946	1,195	1,021	664
MAX	2,039	2,134	1,788	1,340	1,710	1,707	1,678	2,106	3,413	2,918	1,955	1,696
(WY)	(1984)	(1984)	(1985)	(1924)	(1985)	(1985)	(1986)	(1986)	(1986)	(1983)	(1983)	(1984)
MIN	35.7	53.2	53.9	36.4	29.8	25.4	64.5	113	340	516	511	43.2
(WY)	(1978)	(2003)	(2002)	(1936)	(1936)	(1936)	(2003)	(2003)	(1932)	(1938)	(1936)	(1977)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923-54, 1970-2003	
ANNUAL TOTAL	128,803		125,137			
ANNUAL MEAN	353		343		622	
HIGHEST ANNUAL MEAN					1,733	1984
LOWEST ANNUAL MEAN					266	1945
HIGHEST DAILY MEAN	1,770	Jul 7	1,490	Jun 26	4,280	Jun 21, 1986
LOWEST DAILY MEAN	35	Sep 24	28	Sep 30	23	Mar 14, 1936
ANNUAL SEVEN-DAY MINIMUM	36	Oct 12	36	Sep 24	23	Mar 11, 1936
ANNUAL RUNOFF (AC-FT)	255,500		248,200		450,500	
10 PERCENT EXCEEDS	1,260		1,140		1,340	
50 PERCENT EXCEEDS	66		81		504	
90 PERCENT EXCEEDS	40		45		75	

e Estimated

10075000 BEAR RIVER AT SODA SPRINGS, ID

LOCATION.--Lat 42°36'50", long 111°34'58", in NW¼SW¼NW¼ sec. 29, T. 9 S., R. 42 E., Caribou County, Hydrologic Unit 16010202, on left bank 800 ft upstream from Bailey Creek road bridge and 2 mi south of Soda Springs.

DRAINAGE AREA.--3,972 mi^2.

PERIOD OF RECORD.--May to September 1896, May, June 1898, and October 1953 to current year in reports of Geological Survey. Irrigation season only during 1944-49, 1951-53 in reports of Bear River Hydrometric Data (Geological Survey open-file report).

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,760 ft above NGVD of 1929, from topographic map. May 25 to October 2, 1896, May 22 to July 1, 1898, staff gage at different datum. During irrigation season 1944-49, 1950-53, water-stage recorder at site 800 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--50 years, 710 ft^3/s, 514,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,380 ft^3/s, Jun 9, 15, 1896, gage height, 8.40 ft, datum then in use; minimum daily discharge, 37 ft^3/s, Sep 30, Oct, 1, 2, 2001.

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	109	e95	e109	e99	e103	e114	194	165	678	1,390	1,030	723
2	108	e95	e107	e99	e103	e116	177	154	573	1,350	1,020	731
3	106	e97	e105	e101	e107	e116	174	150	519	1,260	1,050	683
4	108	e95	e103	e101	e107	e114	166	160	488	1,050	1,070	556
5	106	e95	e103	e103	e109	e118	161	164	526	887	1,040	530
6	106	e97	e101	e103	e109	e118	158	159	640	871	1,040	531
7	106	e103	e101	e99	e111	120	155	159	785	869	1,030	549
8	106	e107	e99	e103	e113	118	155	157	806	772	1,030	534
9	106	e112	e99	e103	e113	129	150	168	793	651	1,020	524
10	104	e107	e97	e101	e115	146	150	206	788	631	1,020	508
11	96	e112	e97	e101	e117	173	153	197	819	759	1,020	338
12	90	e109	e99	e99	e115	230	164	186	892	934	1,010	313
13	90	e112	e101	e101	e115	339	169	201	997	1,060	1,010	300
14	90	e109	e101	e103	e115	458	172	187	1,210	1,200	1,000	304
15	92	e109	e99	e103	e115	383	183	190	1,490	1,210	1,000	307
16	92	e107	e97	e101	e115	369	175	218	1,530	1,210	1,020	307
17	92	e107	e101	e101	e117	344	161	203	1,480	1,210	1,030	303
18	93	e112	e101	e103	e114	280	148	186	1,420	1,250	1,040	230
19	93	e112	e103	e99	e117	241	134	183	1,370	1,320	1,060	207
20	93	e109	e103	e103	e114	262	125	195	1,360	1,310	1,070	204
21	93	e109	e101	e101	e112	234	125	193	1,400	1,300	1,070	201
22	93	e109	e99	e99	e114	209	127	184	1,430	1,280	1,100	194
23	101	e114	e97	e101	e114	206	127	179	1,420	1,290	1,090	191
24	105	e116	e101	e103	e116	200	123	177	1,430	1,260	1,070	135
25	105	e116	e101	e103	e114	188	130	191	1,440	1,250	1,060	104
26	105	e116	e99	e100	e112	188	130	198	1,470	1,240	943	92
27	101	e116	e101	e102	e114	209	153	192	1,450	1,230	787	86
28	97	e114	e103	e102	e116	209	158	187	1,380	1,200	856	82
29	97	e116	e99	e100	---	212	159	205	1,410	1,120	864	80
30	97	e114	e101	e102	---	203	164	694	1,400	1,050	887	77
31	103	---	e99	e102	---	197	---	720	---	1,050	806	---
TOTAL	3,083	3,241	3,127	3,141	3,156	6,543	4,620	6,708	33,394	34,464	31,143	9,924
MEAN	99.5	108	101	101	113	211	154	216	1,113	1,112	1,005	331
MAX	109	116	109	103	117	458	194	720	1,530	1,390	1,100	731
MIN	90	95	97	99	103	114	123	150	488	631	787	77
AC-FT	6,120	6,430	6,200	6,230	6,260	12,980	9,160	13,310	66,240	68,360	61,770	19,680

CAL YR	2002	TOTAL	147,561	MEAN	404	MAX	1,720	MIN	65	AC-FT	292,700
WTR YR	2003	TOTAL	142,544	MEAN	391	MAX	1,530	MIN	77	AC-FT	282,700

e Estimated

10079000 SODA POINT RESERVOIR AT ALEXANDER, ID

LOCATION.--Lat 42°38'41", long 111°42'44", in NW¼SE¼NW¼ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, 0.5 mi Southeast of Alexander, 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

GAGE.--Elevation of gage is 5,600 ft, PacifiCorp datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1924 to current year. Prior to 1986, published in reports of the Bear River Commission.

COOPERATION.--Records provided by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 14,870 acre-ft Sep 13, 14, elevation 5720.20 ft; minimum contents, 12,490 acre-ft Jul 17, elevation 5717.84 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13,780	14,060	13,630	13,360	13,970	12,990	13,110	13,200	14,670	14,590	12,700	14,240
2	13,830	14,060	13,620	13,380	14,090	13,000	13,080	13,300	14,620	14,600	12,700	14,040
3	13,850	14,060	13,590	13,380	14,060	13,000	13,080	13,340	14,500	14,520	12,590	14,050
4	13,840	14,050	13,590	13,420	13,880	13,010	13,060	13,450	14,440	14,430	12,650	14,180
5	13,860	14,060	13,600	13,470	13,880	13,010	13,040	13,560	14,360	13,900	12,960	14,130
6	13,890	14,110	13,600	13,510	13,770	13,000	13,010	13,560	14,430	13,830	13,060	14,130
7	13,900	14,160	13,600	13,510	13,670	12,960	12,970	13,650	14,570	13,750	13,170	14,160
8	13,900	14,210	13,600	13,520	13,570	12,950	12,930	13,700	14,700	13,800	13,260	14,180
9	13,920	14,290	13,590	13,540	13,500	12,890	12,880	13,740	14,840	13,670	13,350	14,190
10	13,940	14,290	13,590	13,530	13,420	12,910	12,830	13,940	14,670	13,490	13,420	14,540
11	13,940	14,290	13,430	13,530	13,320	13,000	12,820	14,130	14,280	13,150	13,490	14,850
12	13,900	14,290	13,460	13,570	13,210	13,140	12,800	14,280	13,880	12,910	13,450	14,860
13	13,900	14,290	13,450	13,600	13,110	13,200	12,740	14,420	13,640	12,810	13,370	14,870
14	13,890	14,160	13,430	13,620	13,070	13,490	12,710	14,580	13,640	12,620	13,350	14,870
15	13,880	14,140	13,490	13,650	12,990	13,620	12,710	14,620	13,760	12,590	13,320	14,860
16	13,870	14,090	13,470	13,670	12,900	13,630	12,740	14,680	14,030	12,540	13,310	14,850
17	13,870	14,010	13,430	13,670	12,830	13,630	12,740	14,760	14,320	12,490	13,310	14,830
18	13,840	13,960	13,430	13,670	12,830	13,550	12,690	14,620	14,510	12,520	13,330	14,840
19	13,820	13,910	13,430	13,670	12,890	13,300	12,640	14,480	14,570	12,610	13,370	14,840
20	13,820	13,870	13,400	13,660	12,910	13,260	12,540	14,480	14,570	12,820	13,420	14,730
21	13,810	13,850	13,320	13,660	12,970	13,250	12,580	14,500	14,220	13,020	13,440	14,670
22	13,800	13,850	13,320	13,660	13,020	13,190	12,600	14,510	13,980	13,020	13,520	14,650
23	13,820	13,840	13,350	13,660	13,020	13,080	12,660	14,500	13,770	13,020	13,610	14,620
24	13,860	13,840	13,290	13,660	12,980	13,090	12,700	14,390	13,770	13,010	13,650	14,590
25	13,920	13,810	13,270	13,680	12,900	13,080	12,700	14,330	13,560	13,010	13,910	14,560
26	13,940	13,700	13,270	13,710	12,970	13,060	12,770	14,290	13,520	12,940	14,190	14,510
27	13,960	13,600	13,200	13,760	12,980	13,080	12,840	14,290	13,840	12,890	14,130	14,460
28	13,980	13,570	13,220	13,880	12,980	13,080	12,930	14,160	14,100	12,890	14,120	14,380
29	13,990	13,600	13,230	13,990	---	13,120	13,020	14,000	14,320	12,880	14,190	14,310
30	14,030	13,610	13,270	13,910	---	13,120	13,100	14,050	14,540	12,840	14,280	14,240
31	14,040	---	13,330	13,910	---	13,120	---	14,500	---	12,840	14,350	---
MAX	14,040	14,290	13,630	13,990	14,090	13,630	13,110	14,760	14,840	14,600	14,350	14,870
MIN	13,780	13,570	13,200	13,360	12,830	12,890	12,540	13,200	13,520	12,490	12,590	14,040
(#)	5719.41	5718.99	5718.71	5718.28	5718.35	5718.50	5718.48	5719.85	5719.89	5718.21	5719.71	5719.61
(*)	+410	-430	-280	-420	+70	+140	-20	+1400	+40	-1700	+1510	-110

CAL YR 2002.....(*) +100
WTR YR 2003.....(*) +610

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

10079500 BEAR RIVER AT ALEXANDER, ID

LOCATION.--Lat 42°38'42", long 111°41'51", in NE¼SW¼NW¼ sec. 17, T. 9 S., R. 41 E., Caribou County, Hydrologic Unit 16010202, on right bank 600 ft downstream from Soda hydroelectric plant of Utah Power & Light Co., 0.5 mi southeast of Alexander, and 5 mi downstream from Soda Creek.

DRAINAGE AREA.--4,099 mi^2.

PERIOD OF RECORD.--March 1911 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,650 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--91 years, 800 ft^3/s, 579,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,740 ft^3/s, Mar 31, 1911; maximum gage height, 15.95 ft, Dec 11, 1919 (backwater from ice); minimum, 14 ft^3/s, Oct 22, 1990.

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	158	158	193	168	281	192	297	187	692	1,450	1,050	854
2	159	158	193	167	323	193	298	187	668	1,470	1,040	770
3	161	158	193	167	339	194	298	186	591	1,440	1,010	651
4	162	158	193	167	290	194	299	190	540	1,400	852	592
5	159	157	193	166	269	195	299	190	532	1,170	935	572
6	160	157	193	166	268	200	294	189	589	1,070	937	559
7	161	192	193	165	268	201	295	189	703	1,020	939	561
8	154	201	192	165	268	201	295	188	743	977	950	562
9	160	226	192	165	267	201	296	170	836	982	952	448
10	165	236	192	164	267	206	291	165	971	959	954	292
11	166	236	192	164	266	207	286	156	1,080	1,150	985	308
12	163	236	192	163	266	283	297	156	1,070	1,220	1,020	314
13	165	235	192	163	266	326	297	160	1,060	1,410	998	315
14	166	235	192	167	267	452	282	190	1,210	1,480	1,000	315
15	163	235	191	167	268	520	277	208	1,350	1,480	1,000	316
16	164	235	191	166	268	527	293	208	1,390	1,450	1,010	316
17	164	235	191	166	213	521	289	289	1,390	1,390	1,020	317
18	160	235	191	161	185	522	274	314	1,390	1,350	1,010	318
19	164	234	191	161	186	417	284	257	1,390	1,310	1,020	251
20	164	234	190	160	187	369	228	216	1,550	1,290	1,040	220
21	164	234	185	164	187	370	195	215	1,640	1,340	1,050	221
22	159	234	185	164	188	370	195	235	1,660	1,340	1,050	217
23	159	239	185	163	189	320	191	239	1,650	1,310	1,050	217
24	159	239	184	163	189	299	190	239	1,560	1,310	937	171
25	159	228	184	163	190	299	190	238	1,530	1,290	885	135
26	159	223	183	167	190	300	189	238	1,400	1,300	887	135
27	159	203	174	166	191	300	189	268	1,310	1,300	844	136
28	158	199	169	162	192	296	188	293	1,300	1,190	829	132
29	158	198	173	243	---	296	188	292	1,310	1,100	831	129
30	158	198	169	282	---	296	187	418	1,390	1,080	841	129
31	158	---	168	281	---	297	---	608	---	1,080	852	---
TOTAL	4,988	6,346	5,799	5,416	6,728	9,564	7,671	7,278	34,495	39,108	29,778	10,473
MEAN	161	212	187	175	240	309	256	235	1,150	1,262	961	349
MAX	166	239	193	282	339	527	299	608	1,660	1,480	1,050	854
MIN	154	157	168	160	185	192	187	156	532	959	829	129
AC-FT	9,890	12,590	11,500	10,740	13,340	18,970	15,220	14,440	68,420	77,570	59,060	20,770

CAL YR	2002	TOTAL	177,993	MEAN	488	MAX	2,000	MIN	150	AC-FT 353,000
WTR YR	2003	TOTAL	167,644	MEAN	459	MAX	1,660	MIN	129	AC-FT 332,500

10080000 BEAR RIVER BELOW GRACE DAM, NEAR GRACE, ID

LOCATION.--Lat 42°35'11", long 111°43'51", in NE¼SE¼NW¼ sec. 1, T. 10 S., R. 40 E., Caribou County, Hydrologic Unit 16010202, on left bank 1,000 ft downstream from dam, and 1 mi north of Grace.

DRAINAGE AREA.--4,110 mi^2.

PERIOD OF RECORD.--April 1922 to November 1923 (fragmentary): March 1924 to current year. 1945 to 1950 published in reports on Bear River Hydrometric Data, water year 1946 published in WSP 1060. Prior to 1986, not published, records available from PacifiCorp.

GAGE.--Water-stage recorder. Elevation of gage is 5,550 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

COOPERATION.--Records collected by PacifiCorp.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,390 ft^3/s, Jun 10, 1986, gage height, 6.77 ft; minimum, 0.74 ft^3/s, Feb 2, 1986.

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	6.2	3.9	8.1	3.3	4.5	6.5	4.1	33	20	41	32	32
2	7.4	3.6	6.9	3.3	4.8	6.5	4.1	50	19	44	32	27
3	4.4	3.4	6.9	3.3	3.6	6.6	7.4	53	15	38	31	22
4	4.0	3.4	6.5	3.3	3.9	6.7	6.2	55	13	28	36	28
5	4.0	3.4	6.5	3.6	3.1	15	4.1	39	33	37	30	30
6	4.0	3.7	6.5	3.9	4.6	8.4	4.0	19	48	33	26	30
7	4.0	3.7	6.5	3.6	10	6.8	3.7	18	55	35	29	27
8	4.0	4.0	6.5	3.6	11	6.9	3.7	18	61	39	41	23
9	3.7	3.7	6.1	3.6	10	5.4	3.7	16	52	35	38	26
10	4.0	3.5	6.2	3.4	9.0	6.6	3.7	15	52	27	34	14
11	4.0	3.5	6.2	3.1	9.0	4.5	5.0	56	96	29	35	27
12	4.0	3.5	6.6	2.9	8.6	4.2	223	59	44	27	27	20
13	4.0	3.5	6.6	2.7	8.7	4.2	247	58	49	31	28	32
14	3.7	3.5	6.2	2.7	9.6	4.3	231	27	44	41	34	31
15	3.6	3.5	6.2	3.0	8.3	4.0	239	7.4	44	40	35	32
16	3.4	3.5	5.8	3.2	9.2	4.1	243	13	44	41	36	27
17	3.4	3.6	6.6	3.2	6.3	4.1	255	15	47	38	25	30
18	4.0	3.6	13	3.0	3.9	4.2	242	17	38	34	27	20
19	4.0	3.6	12	3.3	5.3	3.9	251	16	38	34	38	27
20	4.3	3.6	12	3.6	6.4	3.6	206	23	108	38	42	30
21	4.3	3.9	14	4.5	6.5	3.9	167	11	142	69	31	31
22	4.3	4.2	13	7.6	6.9	4.2	154	9.5	141	117	40	30
23	5.0	4.2	7.9	12	7.0	4.5	147	12	177	119	32	34
24	5.0	4.2	4.8	12	6.3	4.2	144	12	90	116	28	40
25	5.1	4.2	4.8	9.4	5.6	4.2	144	13	97	110	26	34
26	5.1	4.9	4.8	8.5	6.0	4.8	144	13	74	123	29	26
27	4.8	17	3.9	8.1	6.4	4.5	141	19	46	133	28	36
28	4.8	13	3.3	8.2	6.5	4.2	37	64	41	70	33	38
29	4.5	13	3.3	14	---	4.1	14	68	45	28	33	37
30	4.8	12	3.3	20	---	4.1	30	45	43	24	34	48
31	4.5	---	3.3	8.7	---	4.1	---	20	---	25	36	---
TOTAL	136.3	152.3	214.3	178.6	191.0	163.3	3,308.7	893.9	1,816	1,644	1,006	889
MEAN	4.40	5.08	6.91	5.76	6.82	5.27	110	28.8	60.5	53.0	32.5	29.6
MAX	7.4	17	14	20	11	15	255	68	177	133	42	48
MIN	3.4	3.4	3.3	2.7	3.1	3.6	3.7	7.4	13	24	25	14
AC-FT	270	302	425	354	379	324	6,560	1,770	3,600	3,260	2,000	1,760

CAL YR	2002	TOTAL	14,214.7	MEAN	38.9	MAX	372	MIN	1.9	AC-FT	28,190
WTR YR	2003	TOTAL	10,593.4	MEAN	29.0	MAX	255	MIN	2.7	AC-FT	21,010

10086000 ONEIDA NARROWS RESERVOIR AT ONEIDA, ID

LOCATION.--Lat 42°16'34", long 111°44'56", in SW¼NW¼SE¼ sec. 23, T. 13 S, R. 40 E., Franklin County, Hydrologic Unit 16010202, 6 mi south of Cleveland.

DRAINAGE AREA.--4,455 mi^2.

PERIOD OF RECORD.--October 1914 to current year. Prior to 1986, published in reports of Bear River Commission.

REVISED RECORDS.--WDR UT-74-1, WDR UT-89-1: Drainage area; WDR UT-88-1: 1987.

GAGE.--Elevation of gage is 4,800 ft, PacifiCorp datum.

REMARKS.--Records fair.

COOPERATION.--Records provided by Pacificorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 10,670 acre-ft Jul 4, elevation 4882.31 ft; minimum contents 9,698 acre-ft Aug 5, 6, elevation 4879.52 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10,430	10,330	10,500	10,470	10,550	10,450	10,480	10,310	10,640	10,480	10,280	10,520
2	10,500	10,310	10,500	10,470	10,470	10,470	10,450	10,310	10,620	10,570	10,230	10,520
3	10,480	10,370	10,500	10,470	10,380	10,450	10,450	10,350	10,600	10,580	10,130	10,500
4	10,480	10,330	10,500	10,470	10,350	10,430	10,470	10,420	10,550	10,670	9,931	10,380
5	10,500	10,350	10,480	10,480	10,280	10,430	10,450	10,500	10,400	10,650	9,698	10,380
6	10,540	10,380	10,450	10,470	10,380	10,430	10,450	10,500	10,310	10,470	9,698	10,400
7	10,470	10,400	10,420	10,470	10,330	10,470	10,420	10,500	10,300	10,250	9,849	10,470
8	10,500	10,430	10,470	10,480	10,400	10,470	10,420	10,480	10,520	10,130	9,997	10,470
9	10,470	10,520	10,500	10,450	10,480	10,450	10,420	10,500	10,550	10,050	9,997	10,480
10	10,470	10,550	10,520	10,450	10,480	10,450	10,420	10,550	10,370	9,966	9,849	10,500
11	10,470	10,520	10,520	10,520	10,480	10,470	10,430	10,520	10,300	9,784	9,849	10,330
12	10,500	10,470	10,500	10,540	10,470	10,450	10,450	10,550	10,220	9,832	9,866	10,400
13	10,480	10,430	10,480	10,470	10,500	10,470	10,500	10,540	10,150	9,897	9,980	10,470
14	10,430	10,430	10,470	10,470	10,500	10,570	10,540	10,520	10,130	9,883	9,980	10,450
15	10,380	10,430	10,470	10,430	10,470	10,640	10,470	10,520	10,280	9,980	9,883	10,520
16	10,380	10,430	10,470	10,450	10,450	10,600	10,370	10,580	10,480	9,914	9,949	10,520
17	10,420	10,450	10,480	10,470	10,450	10,620	10,430	10,570	10,470	9,949	10,080	10,550
18	10,450	10,450	10,480	10,470	10,400	10,470	10,540	10,550	10,370	9,866	10,080	10,500
19	10,450	10,470	10,480	10,520	10,370	10,380	10,520	10,670	10,180	9,832	9,949	10,420
20	10,430	10,470	10,480	10,480	10,370	10,310	10,500	10,570	10,060	9,949	9,914	10,370
21	10,470	10,470	10,470	10,500	10,380	10,380	10,520	10,520	10,120	9,949	9,949	10,280
22	10,470	10,480	10,480	10,500	10,400	10,420	10,380	10,430	10,300	9,883	9,980	10,220
23	10,480	10,470	10,450	10,470	10,420	10,480	10,380	10,430	10,540	9,966	9,966	10,260
24	10,480	10,500	10,370	10,450	10,400	10,520	10,330	10,380	10,600	9,897	10,060	10,330
25	10,470	10,470	10,400	10,450	10,430	10,450	10,330	10,400	10,600	9,949	10,060	10,380
26	10,400	10,430	10,470	10,430	10,430	10,470	10,450	10,420	10,600	9,949	10,080	10,300
27	10,350	10,470	10,520	10,450	10,430	10,520	10,480	10,380	10,600	10,230	10,310	10,260
28	10,330	10,470	10,520	10,470	10,430	10,500	10,470	10,420	10,520	10,380	10,400	10,260
29	10,330	10,480	10,520	10,480	---	10,540	10,450	10,450	10,600	10,450	10,500	10,260
30	10,370	10,500	10,480	10,570	---	10,540	10,450	10,480	10,550	10,310	10,540	10,310
31	10,380	---	10,450	10,650	---	10,500	---	10,570	---	10,300	10,480	---
MAX	10,540	10,550	10,520	10,650	10,550	10,640	10,540	10,670	10,640	10,670	10,540	10,550
MIN	10,330	10,310	10,370	10,430	10,280	10,310	10,330	10,310	10,060	9,784	9,698	10,220
(#)	4881.50	4881.83	4881.69	4882.26	4881.64	4881.83	4881.69	4882.02	4881.98	4881.26	4881.78	4881.30
(*)	+30	+120	-50	+200	-220	+70	-50	+120	-20	-250	+180	-170

CAL YR 2002.....(*) +80
WTR YR 2003.....(*) -40

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

10086500 BEAR RIVER BELOW UTAH POWER & LIGHT CO.'S TAILRACE, AT ONEIDA, ID

LOCATION.--Lat 42°16'00", long 111°45'04", in NE¼SE¼NW¼ sec. 26, T. 13 S., R. 40 E., Franklin County, Hydrologic Unit 16010202, on right bank 200 ft downstream from tailrace of Oneida plant and 6 mi south of Cleveland.

DRAINAGE AREA.--4,456 mi^2.

PERIOD OF RECORD.--October 1921 to current year. Monthly discharge only October 1921 to September 1945, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--82 years, 877 ft^3/s, 635,400 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,480 ft^3/s, May 8, 1922; minimum, 3.0 ft^3/s, Jun 13, 1978.

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	177	262	310	285	489	308	390	288	428	1,180	974	862
2	227	235	316	285	480	312	390	264	489	1,170	933	919
3	250	235	320	285	467	326	386	240	456	1,150	1,030	884
4	251	253	316	282	446	320	394	235	412	998	1,090	735
5	230	233	316	279	363	310	378	278	425	1,040	965	619
6	285	233	313	276	342	307	374	313	318	986	886	622
7	277	237	290	276	318	305	409	303	261	982	762	615
8	256	242	269	270	299	312	374	269	345	769	745	613
9	265	266	281	273	336	312	359	250	623	765	890	630
10	254	316	303	261	389	278	366	255	848	820	888	624
11	256	347	316	264	374	307	366	269	898	728	897	390
12	279	343	316	297	345	338	362	244	933	695	846	294
13	288	325	316	323	364	314	369	260	934	841	865	299
14	282	305	306	320	407	374	448	260	855	1,020	923	297
15	261	302	299	287	404	523	504	257	636	1,070	943	312
16	250	298	309	258	389	640	452	254	1,110	1,170	769	311
17	253	298	309	261	382	654	269	254	1,280	1,120	772	363
18	255	305	309	261	364	694	357	241	1,280	1,110	1,020	440
19	264	308	308	278	332	644	399	277	1,280	962	1,030	380
20	263	308	308	293	309	478	368	298	1,230	992	976	350
21	260	311	308	284	303	392	426	269	994	1,130	968	315
22	260	291	308	293	304	392	406	226	1,130	1,190	971	248
23	272	279	308	299	304	392	342	190	1,360	1,210	903	219
24	296	301	280	296	283	388	315	178	1,350	1,070	945	221
25	312	304	257	296	284	395	257	178	1,350	1,280	931	250
26	305	304	265	283	306	403	246	179	1,190	1,000	811	249
27	289	304	283	272	307	403	295	180	1,310	957	767	220
28	268	304	311	269	307	399	307	178	1,060	1,140	770	200
29	262	300	324	268	---	364	298	182	1,020	1,140	773	192
30	268	304	321	289	---	372	291	182	1,280	1,100	861	166
31	282	---	301	391	---	390	---	255	---	1,010	891	---
TOTAL	8,197	8,653	9,396	8,854	9,997	12,346	10,897	7,506	27,085	31,795	27,795	12,839
MEAN	264	288	303	286	357	398	363	242	903	1,026	897	428
MAX	312	347	324	391	489	694	504	313	1,360	1,280	1,090	919
MIN	177	233	257	258	283	278	246	178	261	695	745	166
AC-FT	16,260	17,160	18,640	17,560	19,830	24,490	21,610	14,890	53,720	63,070	55,130	25,470

CAL YR 2002 TOTAL 178,452 MEAN 489 MAX 1,600 MIN 151 AC-FT 354,000
WTR YR 2003 TOTAL 175,360 MEAN 480 MAX 1,360 MIN 166 AC-FT 347,800

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE

LOCATION.--Lat 42°00'47", long 111°55'14", in NE¼ NW¼NE¼ sec. 29, T. 16 S., R. 39 E., Franklin County, Idaho, Hydrologic Unit 16010202, on left bank 1,050 ft downstream from inlet canal to Cub River pumps, 1.1 mi downstream from Weston Creek, 1.8 mi upstream from Idaho-Utah State line, and 3.5 mi southeast of Weston.

DRAINAGE AREA.--4,881 mi^2.

PERIOD OF RECORD.--October 1970 to current year.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,420 ft above NGVD of 1929, from topographic map. Prior to September 10, 1982 at datum 2.00 ft higher. September 10, 1982 to September 30, 1985 at datum 10.0 ft lower.

REMARKS.--Records good except for estimated daily discharges which are fair. Natural flow of stream affected by storage reservoirs, power developments, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,870 ft^3/s, Jun 14, 1984, gage height, 9.20 ft; minimum daily discharge, 47 ft^3/s, Jun 8, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,260 ft^3/s, Aug 3, gage height, 12.08 ft; minimum daily discharge, 47 ft^3/s, Jun 8.

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	203	412	311	319	512	352	421	211	273	825	691	684
2	208	277	314	311	538	355	410	144	333	733	715	703
3	271	252	335	315	525	382	418	164	273	768	773	689
4	282	264	327	303	516	374	414	167	222	675	816	635
5	281	283	327	305	480	361	423	174	184	701	723	516
6	254	244	330	303	387	351	388	235	177	674	665	504
7	351	255	320	294	436	354	427	251	76	604	558	515
8	285	260	287	295	e430	360	407	198	47	464	516	518
9	293	290	278	299	e420	363	356	198	147	398	605	535
10	285	324	297	284	e410	373	356	205	528	385	739	551
11	281	397	322	277	e400	306	370	200	660	404	659	536
12	283	394	333	284	e405	379	367	193	768	349	592	392
13	329	388	339	354	416	364	368	179	770	418	592	357
14	322	345	338	354	462	348	401	180	737	597	618	354
15	316	318	320	352	e465	470	543	176	721	625	649	353
16	278	311	334	281	468	658	551	162	742	746	607	378
17	268	313	364	276	454	646	364	222	896	722	561	338
18	274	303	359	272	443	723	320	185	870	724	613	467
19	281	326	344	271	393	682	419	170	858	680	751	452
20	288	322	e325	320	364	605	416	223	818	678	700	407
21	288	327	e310	304	353	433	e370	185	770	712	672	383
22	297	325	e300	310	358	419	e300	136	764	807	690	336
23	299	294	e285	342	361	425	e250	e75	827	807	736	263
24	317	305	e280	342	349	424	e210	e70	924	864	743	253
25	357	321	e285	331	e350	468	e180	e65	952	778	733	252
26	353	313	e295	331	e350	460	181	e70	913	891	637	309
27	353	310	313	305	350	409	196	e80	805	726	557	272
28	321	317	328	308	346	385	252	e92	844	788	569	241
29	284	314	352	303	---	383	230	92	711	834	571	222
30	285	311	374	306	---	e390	216	92	838	838	618	219
31	299	---	363	365	---	416	---	96	---	756	728	---
TOTAL	9,086	9,415	9,989	9,616	11,741	13,418	10,524	4,890	18,448	20,971	20,397	12,634
MEAN	293	314	322	310	419	433	351	158	615	676	658	421
MAX	357	412	374	365	538	723	551	251	952	891	816	703
MIN	203	244	278	271	346	306	180	65	47	349	516	219
AC-FT	18,020	18,670	19,810	19,070	23,290	26,610	20,870	9,700	36,590	41,600	40,460	25,060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	933	994	1,004	982	992	1,187	1,389	1,500	1,377	1,043	947	931
MAX	2,850	2,983	2,552	1,904	2,556	3,264	3,594	3,968	4,263	3,442	2,416	2,545
(WY)	(1984)	(1984)	(1985)	(1984)	(1986)	(1986)	(1986)	(1986)	(1986)	(1983)	(1984)	(1986)
MIN	250	298	310	310	296	351	351	158	333	393	461	192
(WY)	(1993)	(1993)	(1982)	(2003)	(2002)	(1991)	(2003)	(2003)	(1989)	(1995)	(1993)	(1992)

10092700 BEAR RIVER AT IDAHO-UTAH STATE LINE—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	168,267		151,129			
ANNUAL MEAN	461		414		1,107	
HIGHEST ANNUAL MEAN					2,728	1984
LOWEST ANNUAL MEAN					414	2003
HIGHEST DAILY MEAN	1,310	Jun 25	952	Jun 25	4,830	Jun 21, 1983
LOWEST DAILY MEAN	116	May 18	47	Jun 8	47	Jun 8, 2003
ANNUAL SEVEN-DAY MINIMUM	183	May 15	78	May 23	69	Oct 31, 1981
ANNUAL RUNOFF (AC-FT)	333,800		299,800		801,800	
10 PERCENT EXCEEDS	831		733		2,220	
50 PERCENT EXCEEDS	345		353		861	
90 PERCENT EXCEEDS	265		209		312	

e Estimated

10105900 LITTLE BEAR RIVER AT PARADISE, UT

LOCATION.--Lat 41°34'32", long 111°51'16" in NW¼NE¼SE¼ sec 29, T. 10 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on right bank 1 mi west of Paradise.

DRAINAGE AREA.--182 mi^2.

PERIOD OF RECORD.--October 1992 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,740 ft above NGVD of 1929, from topographic map. Prior to August 11, 1994, 50 ft upstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,250 ft^3/s, May 11, 1998, gage height, 10.23 ft, minimum daily discharge, 4.4 ft^3/s Feb 10, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 211 ft^3/s, Mar 16, gage height, 6.53 ft; minimum discharge, 8.3 ft^3/s, Jun 9.

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	27	30	31	33	45	36	50	84	21	12	11	15
2	29	27	32	31	51	35	51	71	16	14	12	14
3	29	29	31	33	42	34	53	86	15	13	12	14
4	27	30	32	33	42	35	52	95	22	12	12	14
5	27	30	32	33	39	34	52	94	15	12	12	14
6	28	31	32	32	30	34	53	78	12	11	12	14
7	29	31	32	31	34	35	68	65	12	11	11	14
8	29	36	31	30	33	35	90	65	11	11	12	14
9	29	60	29	30	33	39	91	106	11	12	13	14
10	29	40	31	33	32	46	65	139	11	12	14	14
11	28	36	32	32	32	63	56	117	11	12	14	14
12	28	35	32	32	31	77	57	101	11	12	14	14
13	29	35	32	32	32	89	60	101	11	11	14	14
14	29	34	33	32	40	113	68	110	12	11	14	14
15	29	33	32	32	49	91	92	124	12	12	14	14
16	29	33	32	30	54	130	74	140	11	12	15	14
17	29	33	34	31	49	79	59	144	10	12	14	15
18	29	32	32	29	43	61	69	138	11	12	14	19
19	e29	32	31	30	41	59	60	140	12	12	15	e18
20	e30	32	31	31	41	57	56	116	12	12	14	16
21	e29	33	32	31	39	51	57	112	14	11	14	17
22	e29	33	33	31	39	49	68	115	14	11	13	15
23	31	34	31	32	38	53	72	118	15	11	15	16
24	31	34	23	32	35	50	60	113	16	11	15	16
25	28	32	30	31	37	46	65	110	16	12	15	16
26	29	30	32	32	37	68	94	97	16	11	13	15
27	29	30	34	33	35	74	91	75	13	12	13	16
28	30	31	33	45	35	65	75	54	15	12	14	16
29	32	31	33	40	---	59	75	43	15	11	15	15
30	32	31	32	37	---	53	88	36	14	9.3	15	15
31	31	---	33	41	---	51	---	30	---	9.5	15	---
TOTAL	903	998	980	1,015	1,088	1,801	2,021	3,017	407	358.8	420	450
MEAN	29.1	33.3	31.6	32.7	38.9	58.1	67.4	97.3	13.6	11.6	13.5	15.0
MAX	32	60	34	45	54	130	94	144	22	14	15	19
MIN	27	27	23	29	30	34	50	30	10	9.3	11	14
AC-FT	1,790	1,980	1,940	2,010	2,160	3,570	4,010	5,980	807	712	833	893

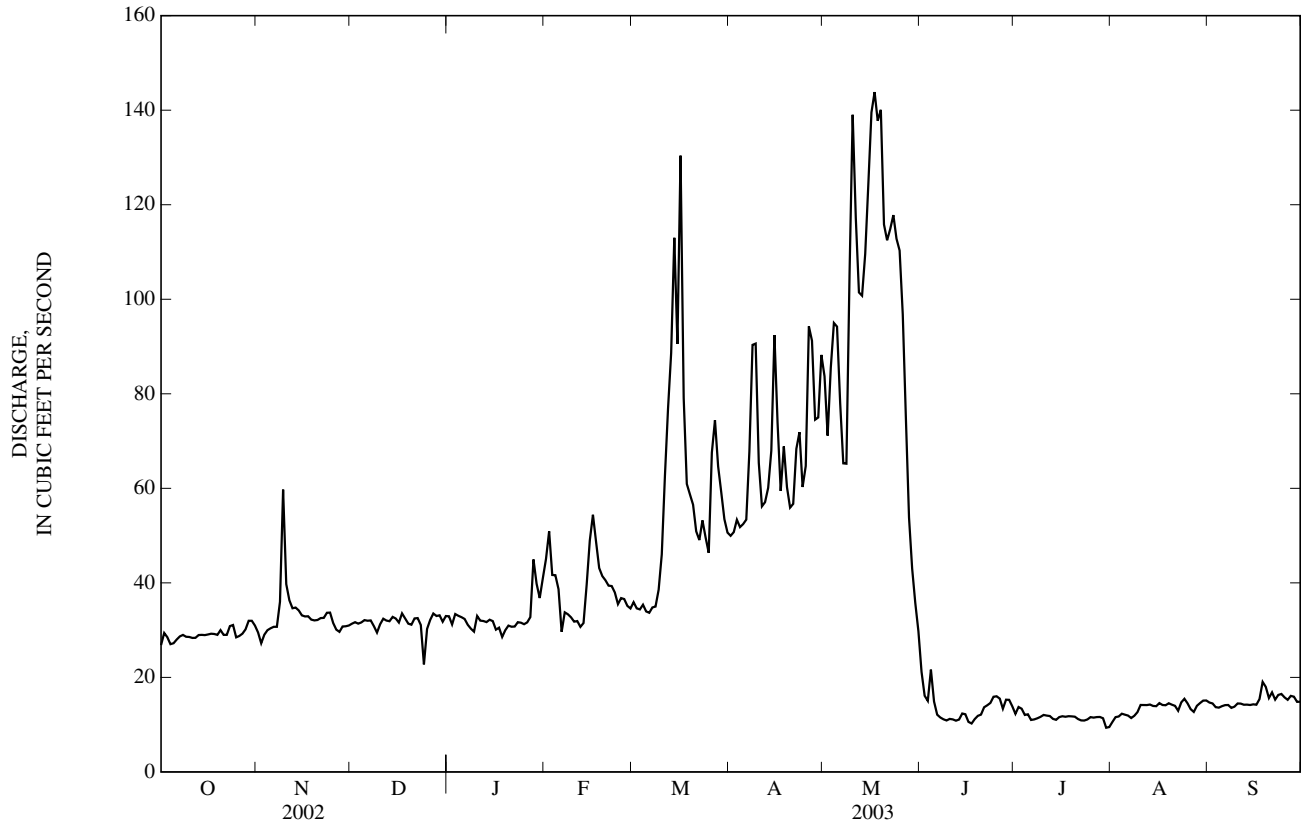
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2003, BY WATER YEAR (WY)

MEAN	45.1	47.2	46.0	49.4	52.3	109	206	305	136	35.3	30.5	35.8
MAX	114	124	88.8	118	92.5	186	360	626	337	89.3	95.3	95.5
(WY)	(1999)	(1999)	(1997)	(1997)	(1999)	(1997)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)
MIN	16.5	20.6	19.0	17.5	14.8	56.8	67.4	74.7	13.6	11.6	12.7	15.0
(WY)	(1993)	(1993)	(1993)	(1993)	(1993)	(2002)	(2003)	(2001)	(2003)	(2003)	(1993)	(2003)

10105900 LITTLE BEAR RIVER AT PARADISE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1993 - 2003	
ANNUAL TOTAL	16,432		13,458.8			
ANNUAL MEAN	45.0		36.9		91.6	
HIGHEST ANNUAL MEAN					172	1998
LOWEST ANNUAL MEAN					36.9	2003
HIGHEST DAILY MEAN	178	Apr 27	144	May 17	910	May 11, 1998
LOWEST DAILY MEAN	13	Jun 18	9.3	Jul 30	4.4	Feb 10, 1993
ANNUAL SEVEN-DAY MINIMUM	14	Jun 17	11	Jul 26	6.9	Feb 5, 1993
ANNUAL RUNOFF (AC-FT)	32,590		26,700		66,330	
10 PERCENT EXCEEDS	124		75		227	
50 PERCENT EXCEEDS	29		31		46	
90 PERCENT EXCEEDS	15		12		16	

e Estimated



10108400 LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

LOCATION.--Lat 41°44'35", long 111°45'40", in NE¼NW¼NE¼ sec. 31, T. 12 N., R. 2 E., Cache County, Hydrologic Unit 16010203, Cache National Forest, on left bank 487 ft downstream from head and 3.8 mi east of Logan.

PERIOD OF RECORD.--May 1963 to current year.

GAGE.--Water-stage recorder and 8-ft concrete Parshall flume. Datum of gage is 4,858.69 ft above NGVD of 1929 (Bureau of Public Roads bench mark).

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

AVERAGE DISCHARGE.--40 years, 22.0 ft^3/s, 15,970 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 111 ft^3/s, May 23, 1963, May 28, 1966; no flow at times most years.

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	24	5.4	3.0	1.6	1.8	1.6	e0.00	4.2	59	50	33	31
2	21	0.29	3.0	1.6	1.9	1.6	e0.00	21	66	50	33	31
3	22	2.9	3.0	1.7	1.7	1.4	e0.00	33	64	51	32	31
4	22	6.0	3.0	1.7	1.8	1.4	e0.00	34	63	53	30	31
5	22	5.9	3.1	1.7	1.7	1.4	e0.00	35	61	53	29	30
6	22	5.9	2.4	1.7	1.7	1.5	e0.00	35	59	53	28	31
7	22	5.9	2.1	1.7	1.7	1.6	e0.00	34	57	53	28	31
8	22	6.1	2.1	1.7	1.7	1.6	e0.00	28	55	53	29	30
9	22	6.0	2.1	1.7	1.7	1.7	e0.00	0.61	72	52	29	28
10	22	5.9	2.1	1.7	1.7	1.8	e0.00	0.45	78	52	29	28
11	22	5.8	2.1	1.7	1.7	1.9	e0.00	0.40	70	51	30	28
12	22	5.7	1.9	1.7	1.7	1.9	e0.00	0.40	70	52	30	28
13	22	5.7	1.9	1.8	1.8	1.9	e0.00	4.1	71	52	30	28
14	21	5.7	1.9	1.9	1.7	2.0	e0.00	22	72	51	30	28
15	21	5.7	1.9	1.9	1.7	2.0	e0.00	29	73	49	30	28
16	21	4.8	1.9	1.7	1.8	2.1	e0.00	34	77	48	30	28
17	22	3.6	1.9	1.7	1.8	2.1	e0.00	23	79	47	30	28
18	21	3.5	1.8	1.6	1.9	2.1	e0.00	25	79	46	30	28
19	22	3.5	1.8	1.6	1.8	2.1	e0.00	24	78	46	30	28
20	21	3.5	1.8	1.6	1.8	2.2	e0.00	41	69	47	30	28
21	20	3.5	1.8	1.7	1.8	1.3	e0.00	64	47	47	30	28
22	20	3.5	1.7	1.7	1.8	e0.00	e0.00	52	52	47	30	28
23	20	3.3	1.7	1.7	1.7	e0.00	e0.00	55	56	44	30	28
24	20	3.1	1.6	1.7	1.7	e0.00	e0.00	54	46	41	30	28
25	19	3.0	1.6	1.8	1.7	e0.00	e0.00	54	40	41	30	28
26	19	3.0	1.6	1.9	1.8	e0.00	e0.00	52	40	41	30	28
27	19	3.0	1.7	2.0	1.7	e0.00	e0.00	56	37	41	31	28
28	15	3.0	1.8	2.1	1.7	e0.00	e0.00	57	47	41	30	28
29	10	3.0	1.8	1.9	---	e0.00	e0.00	58	51	41	30	28
30	10	3.0	1.7	1.8	---	e0.00	1.6	59	51	36	30	28
31	9.3	---	1.7	1.7	---	e0.00	---	56	---	32	31	---
TOTAL	617.3	129.19	63.5	54.0	49.0	37.20	1.60	1,045.16	1,839	1,461	932	862
MEAN	19.9	4.31	2.05	1.74	1.75	1.20	0.053	33.7	61.3	47.1	30.1	28.7
MAX	24	6.1	3.1	2.1	1.9	2.2	1.6	64	79	53	33	31
MIN	9.3	0.29	1.6	1.6	1.7	0.00	0.00	0.40	37	32	28	28
AC-FT	1,220	256	126	107	97	74	3.2	2,070	3,650	2,900	1,850	1,710

CAL YR	2002	TOTAL	7,144.35	MEAN	19.6	MAX	66	MIN	0.00	AC-FT	14,170
WTR YR	2003	TOTAL	7,090.95	MEAN	19.4	MAX	79	MIN	0.00	AC-FT	14,060

e Estimated

10109000 LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT

LOCATION.--Lat 41°44'36", long 111°46'55", in NW¼NW¼NE¼ sec. 36, T. 12 N., R. 1 E., Cache County, Hydrologic Unit 16010203, on left bank 0.5 mi upstream from State dam, and 2.5 mi east of Logan.

DRAINAGE AREA.--214 mi^2.

PERIOD OF RECORD.--June 1896 to current year. Published as Logan River near Logan prior to 1913. Records since May 1913 equivalent to earlier records, if records for Utah Power & Light Co.'s tailrace near Logan (station 10108000) are added. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area. WDR UT-96-1:1995, Combined discharge of Logan River Above State Dam and Logan, Hyde Park and Smithfield Canal at Head.

GAGE.--Water-stage recorder. Elevation of gage is 4,680 ft above NGVD of 1929, from topographic map. Prior to May 7, 1913, nonrecording gage at various sites within 0.5 mi downstream at different datums. May 7, 1913, to September 3, 1938, water-stage recorder at present site at different datums.

REMARKS.--Records good. Flow affected by regulation and diversions above station for power, irrigation, and municipal culinary supply. Utah Power and Light Co. stopped diverting water from river November 1970 at which time the tailrace station (station 10108000) was discontinued. During 1963, site for gaging station for Logan, Hyde Park and Smithfield Canal (station 10108400) was relocated. Records for combined flow since that time are equivalent to previous records. For record of combined flow, see following page.

AVERAGE DISCHARGE.--River only: 90 years (water years 1914-2003), 155 ft^3/s 112,300 acre-ft/yr. Combined river and canal: 106 years, 269 ft^3/s 194,900 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--River only: Maximum discharge, 2,000 ft^3/s, Mar 21, 1916, gage height, 5.6 ft; minimum, 5.2 ft^3/s, Feb 26, 1986, result of hydro-electric plant testing. Combined river and canal: Maximum discharge observed, 2,480 ft^3/s, May 24, 1907; minimum daily, 50 ft^3/s, Jan 21, 1935.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 730 ft^3/s, May 30, gage height, 4.15 ft; minimum daily discharge, 64 ft^3/s, Feb 8. Combined river and canal: Maximum daily discharge, 772 ft^3/s, May 30, 31; minimum daily discharge, 66 ft^3/s, Feb 8.

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	96	100	96	88	104	90	e126	237	684	170	111	85
2	100	101	95	85	108	87	e126	224	633	166	110	85
3	95	100	95	88	101	89	e130	224	578	160	112	84
4	94	97	94	89	99	90	127	225	527	154	113	83
5	93	97	93	88	92	89	123	213	481	150	111	84
6	93	98	94	87	86	90	120	195	449	146	109	84
7	92	99	94	86	84	87	115	189	425	142	108	84
8	92	105	92	85	64	87	111	188	402	140	105	85
9	91	114	90	83	75	88	112	219	373	137	105	87
10	91	e105	89	87	79	88	128	217	359	134	103	91
11	90	e101	93	86	91	89	152	213	350	131	101	87
12	90	99	93	87	90	93	174	209	e330	128	100	85
13	89	99	91	88	92	101	188	215	e310	125	99	85
14	88	98	91	88	96	113	212	236	e290	121	98	84
15	90	97	92	87	95	113	252	303	278	122	98	83
16	89	97	90	85	96	114	229	394	257	121	100	84
17	90	100	93	85	93	112	221	457	247	121	97	89
18	90	99	91	83	93	108	225	414	238	119	95	88
19	90	98	89	83	92	104	214	406	229	118	93	87
20	91	98	86	84	92	103	211	378	231	116	92	85
21	90	99	89	84	93	104	222	e383	254	114	93	84
22	91	99	89	86	94	105	238	412	238	112	97	84
23	95	101	85	88	93	116	230	477	222	e115	94	83
24	95	101	77	87	89	114	214	555	226	e115	92	82
25	93	98	90	86	91	110	231	596	223	116	90	84
26	92	96	87	87	90	157	261	647	208	117	88	84
27	92	94	91	89	89	141	244	660	202	114	88	83
28	96	95	90	96	89	127	232	676	189	111	87	83
29	100	96	91	91	---	120	246	699	179	110	88	83
30	101	97	89	93	---	118	251	713	174	113	90	82
31	100	---	89	100	---	120	---	716	---	114	87	---
TOTAL	2,879	2,978	2,808	2,709	2,550	3,267	5,665	11,890	9,786	3,972	3,054	2,541
MEAN	92.9	99.3	90.6	87.4	91.1	105	189	384	326	128	98.5	84.7
MAX	101	114	96	100	108	157	261	716	684	170	113	91
MIN	88	94	77	83	64	87	111	188	174	110	87	82
AC-FT	5,710	5,910	5,570	5,370	5,060	6,480	11,240	23,580	19,410	7,880	6,060	5,040

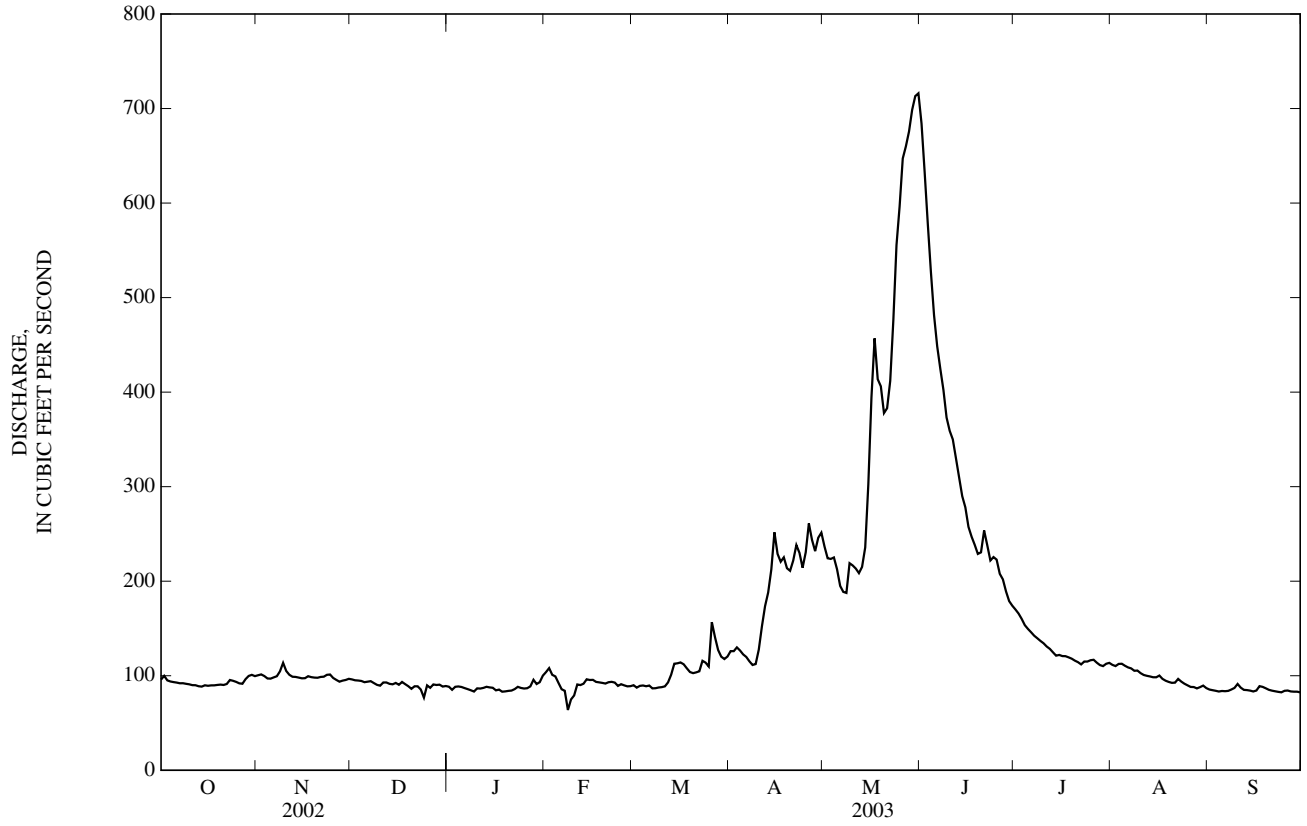
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	138	132	118	110	109	136	250	562	657	322	180	147
MAX	247	213	186	161	205	369	615	1,072	1,413	691	337	267
(WY)	(1984)	(1984)	(1984)	(1985)	(1986)	(1986)	(1986)	(1997)	(1986)	(1984)	(1983)	(1986)
MIN	67.4	71.9	69.0	63.1	61.6	78.9	109	131	113	77.9	63.6	61.1
(WY)	(1978)	(1993)	(1993)	(1993)	(1993)	(1991)	(1977)	(1977)	(1992)	(1992)	(1992)	(1992)

10109000 LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	49,102		54,099			
ANNUAL MEAN	135		148		239	
HIGHEST ANNUAL MEAN					440	1986
LOWEST ANNUAL MEAN					99.6	1992
HIGHEST DAILY MEAN	492	Jun 2	716	May 31	1,870	Jun 6, 1986
LOWEST DAILY MEAN	63	Jan 30	64	Feb 8	55	Jan 21, 1991
ANNUAL SEVEN-DAY MINIMUM	74	Jan 29	81	Feb 6	58	Sep 24, 1992
ANNUAL RUNOFF (AC-FT)	97,390		107,300		173,000	
10 PERCENT EXCEEDS	262		251		546	
50 PERCENT EXCEEDS	97		98		144	
90 PERCENT EXCEEDS	80		85		85	

e Estimated



LOGAN RIVER ABOVE STATE DAM, NEAR LOGAN, UT—Continued

10109001 COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF LOGAN RIVER ABOVE STATE DAM

AND LOGAN, HYDE PARK & SMITHFIELD CANAL AT HEAD, NEAR LOGAN, UT

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	120	105	99	90	106	92	126	241	743	220	144	116
2	121	101	98	87	110	89	126	245	699	216	143	116
3	117	103	98	90	103	90	130	257	642	211	144	115
4	116	103	97	91	101	91	127	259	590	207	143	114
5	115	103	96	90	94	90	123	248	542	203	140	114
6	115	104	96	89	88	92	120	230	508	199	137	115
7	114	105	96	88	86	89	115	223	482	195	136	115
8	114	111	94	87	66	89	111	216	457	193	134	115
9	113	120	92	85	77	90	112	220	445	189	134	115
10	113	111	91	89	81	90	128	217	437	186	132	119
11	112	107	95	88	93	91	152	213	420	182	131	115
12	112	105	95	89	92	95	174	209	400	180	130	113
13	111	105	93	90	94	103	188	219	381	177	129	113
14	109	104	93	90	98	115	212	258	362	172	128	112
15	111	103	94	89	97	115	252	332	351	171	128	111
16	110	102	92	87	98	116	229	428	334	169	130	112
17	112	104	95	87	95	114	221	480	326	168	127	117
18	111	102	93	85	95	110	225	439	317	165	125	116
19	112	102	91	85	94	106	214	430	307	164	123	115
20	112	102	88	86	94	105	211	419	300	163	122	113
21	110	102	91	86	95	105	222	447	301	161	123	112
22	111	102	91	88	96	105	238	464	290	159	127	112
23	115	104	87	90	95	116	230	532	278	159	124	111
24	115	104	79	89	91	114	214	609	272	156	122	110
25	112	101	92	88	93	110	231	650	263	157	120	112
26	111	99	89	89	92	157	261	699	248	158	118	112
27	111	97	93	91	91	141	244	716	239	155	119	111
28	111	98	92	98	91	127	232	733	236	152	117	111
29	110	99	93	93	---	120	246	757	230	151	118	111
30	111	100	91	95	---	118	253	772	225	149	120	110
31	109	---	91	102	---	120	---	772	---	146	118	---
TOTAL	3,496	3,108	2,875	2,771	2,606	3,305	5,667	12,934	11,625	5,433	3,986	3,403
MEAN	113	104	92.7	89.4	93.1	107	189	417	388	175	129	113
MAX	121	120	99	102	110	157	261	772	743	220	144	119
MIN	109	97	79	85	66	89	111	209	225	146	117	110
AC-FT	6,930	6,160	5,700	5,500	5,170	6,560	11,240	25,650	23,060	10,780	7,910	6,750

CAL YR	2002	TOTAL	56,245	MEAN	154	MAX	542	MIN	68	AC-FT	111,600
WTR YR	2003	TOTAL	61,209	MEAN	168	MAX	772	MIN	66	AC-FT	121,400

10113500 BLACKSMITH FORK ABOVE UTAH POWER & LIGHT CO.'S DAM, NEAR HYRUM, UT

LOCATION.--Lat 41°37'25", long 111°44'17", in SE¼NE¼NE¼ sec. 8, T. 10 N., R. 2 E., Cache County, Hydrologic Unit 16010203, on right bank 1.1 mi upstream from diversion dam, and 6 mi east of Hyrum.

DRAINAGE AREA.--263 mi^2.

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--October 1913 to September 1996, March 2000 to current year. Monthly discharge only for October 1913, published in WSP 1314.

REVISED RECORDS.--WSP 1514: 1925. WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since March 2000. Elevation of gage is 5,020 ft above NGVD of 1929, from topographic map. October 2, 1934 to May 27, 1987 at site 1,200 ft downstream at different datum. Prior to Oct 2, 1934, at site 200 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. A few small diversions for irrigation of about 200 acres above station. Flow is slightly regulated by powerplant above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,650 ft^3/s, May 14, 1984, gage height, 7.12 ft, site and datum then in use; minimum, 4.7 ft^3/s, Nov 28, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 140 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 15	1045	169	4.53	May 15	1045	*209	*4.78

Minimum daily discharge, 45 ft^3/s, several days in Aug and Sep.

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	57	57	56	49	62	54	90	115	68	51	50	46
2	60	56	55	47	61	54	98	115	67	51	52	45
3	58	55	54	49	58	55	94	115	66	51	57	45
4	58	56	54	48	58	56	89	118	66	51	55	45
5	58	56	53	48	55	56	88	120	66	51	53	45
6	57	56	53	47	51	56	85	117	66	51	54	45
7	57	57	53	47	53	56	84	116	65	51	54	45
8	57	61	52	47	52	56	82	121	64	50	53	45
9	56	67	51	48	53	58	81	130	65	50	52	45
10	57	62	53	50	53	60	87	139	62	51	52	46
11	56	59	54	51	53	63	106	143	61	50	52	46
12	57	57	54	51	53	69	124	136	59	50	51	46
13	57	58	53	51	55	73	126	139	58	50	52	45
14	57	e53	54	51	56	78	135	146	57	50	51	46
15	57	e52	53	51	57	78	151	161	57	51	51	47
16	57	e54	53	51	57	83	129	172	56	50	52	47
17	57	e54	55	52	56	79	113	178	54	50	51	46
18	57	e54	51	50	56	77	109	172	56	50	49	47
19	57	e54	49	51	56	77	101	163	55	50	49	47
20	58	e52	50	52	56	74	97	165	54	49	49	47
21	58	e54	51	52	55	72	95	e160	57	49	49	46
22	57	e56	50	52	56	73	94	e140	55	49	50	46
23	58	e54	48	53	56	78	99	e129	54	50	51	46
24	58	e56	46	52	53	78	109	e120	55	50	49	46
25	58	e54	48	51	55	76	110	e109	54	50	49	46
26	58	56	49	52	55	92	115	e98	53	50	49	46
27	58	56	51	54	54	95	112	e88	53	51	48	47
28	59	56	52	61	54	87	110	e82	53	51	47	47
29	59	56	52	55	---	83	109	77	53	51	45	47
30	58	56	50	57	---	80	112	74	53	50	46	46
31	57	---	52	62	---	81	---	72	---	e50	46	---
TOTAL	1,783	1,684	1,609	1,592	1,549	2,207	3,134	3,930	1,762	1,559	1,568	1,379
MEAN	57.5	56.1	51.9	51.4	55.3	71.2	104	127	58.7	50.3	50.6	46.0
MAX	60	67	56	62	62	95	151	178	68	51	57	47
MIN	56	52	46	47	51	54	81	72	53	49	45	45
AC-FT	3,540	3,340	3,190	3,160	3,070	4,380	6,220	7,800	3,490	3,090	3,110	2,740

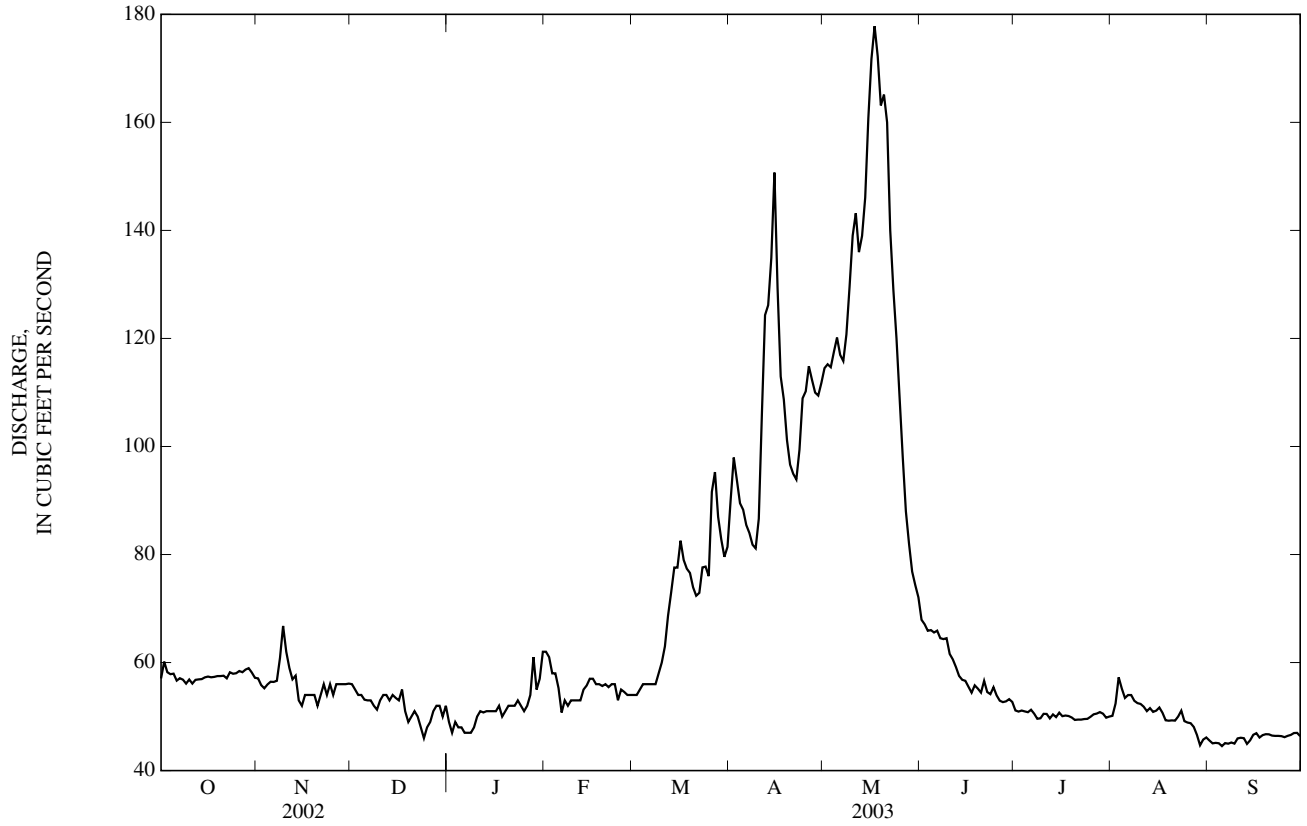
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1919-96, 2001-2003, BY WATER YEAR (WY)

MEAN	92.0	86.6	81.7	78.1	80.8	102	212	291	169	120	105	95.5
MAX	192	174	159	148	269	356	566	940	494	284	239	209
(WY)	(1985)	(1985)	(1984)	(1984)	(1986)	(1986)	(1946)	(1984)	(1984)	(1984)	(1984)	(1984)
MIN	42.6	41.2	40.7	42.9	43.5	47.3	63.9	58.6	49.7	45.1	40.9	40.2
(WY)	(1993)	(1993)	(1991)	(1991)	(1942)	(1942)	(1931)	(1934)	(1992)	(1992)	(1992)	(1992)

10113500 BLACKSMITH FORK ABOVE UTAH POWER & LIGHT CO.'S DAM, NEAR HYRUM, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915-17, 1919-96, 2001-2003	
ANNUAL TOTAL	24,668		23,756			
ANNUAL MEAN	67.6		65.1		127	
HIGHEST ANNUAL MEAN					295	1984
LOWEST ANNUAL MEAN					53.0	1941
HIGHEST DAILY MEAN	126	Apr 16	178	May 17	1,530	May 15, 1984
LOWEST DAILY MEAN	46	Dec 24	45	Aug 29	26	Dec 23, 1990
ANNUAL SEVEN-DAY MINIMUM	49	Dec 19	45	Sep 2	35	Dec 19, 1990
ANNUAL RUNOFF (AC-FT)	48,930		47,120		91,750	
10 PERCENT EXCEEDS	103		109		225	
50 PERCENT EXCEEDS	59		55		94	
90 PERCENT EXCEEDS	54		47		56	

e Estimated



10113500 BLACKSMITH FORK ABOVE UTAH POWER & LIGHT CO.'S DAM, NEAR HYRUM, UT—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--An 8.2-inch diameter, unheated, tipping bucket rain gage.

REMARKS.--Records good. Snowfall-affected data can result during the winter months when snow fills the rain gage bucket and then melts as temperatures rise. Snowfall-affected data is subject to appreciable errors.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 1.84 in, Mar 26, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 1.84 in., Mar 26.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.54	0.00	0.00	0.02	0.14	0.02	0.00	0.00	0.00	0.00	0.00	0.00
2	0.83	0.00	0.00	0.00	0.01	0.01	0.11	0.00	0.00	0.00	0.62	0.00
3	0.01	0.00	0.00	0.28	0.00	0.00	0.01	0.60	0.00	0.00	0.32	0.00
4	0.00	0.00	0.00	0.08	0.00	0.00	0.43	0.88	0.00	0.00	0.00	0.00
5	0.02	0.02	0.00	0.15	0.00	0.00	0.12	0.01	0.00	0.00	0.00	0.00
6	0.00	0.01	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.02	0.39	0.49	0.00	0.00	0.00	0.00
8	0.00	1.61	0.00	0.00	0.00	0.00	0.01	0.38	0.00	0.00	0.00	0.00
9	0.00	0.69	0.00	0.00	0.00	0.00	0.00	1.59	0.00	0.00	0.00	0.48
10	0.00	0.16	0.00	0.00	0.01	0.00	0.00	0.07	0.00	0.00	0.00	0.11
11	0.00	0.23	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	0.00	0.03	0.10	0.06	0.00	0.00	0.03	0.00	0.00	0.00	0.00
13	0.00	0.18	0.00	0.17	0.34	0.00	0.00	0.00	0.15	0.00	0.00	0.00
14	0.00	0.00	0.00	0.01	0.08	0.17	0.25	0.00	0.00	0.00	0.01	0.00
15	0.00	0.00	0.26	0.01	0.00	0.50	0.05	0.00	0.00	0.00	0.39	0.00
16	0.00	0.00	0.33	0.00	0.27	0.07	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.03	0.00	0.14	0.02	0.13	0.00	0.00	0.00	0.00	0.44
18	0.00	0.00	0.00	0.00	0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.16	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.49	0.00	0.04	0.00
22	0.39	0.00	0.00	0.00	0.00	0.00	0.62	0.00	0.00	0.00	0.15	0.00
23	0.08	0.37	0.00	0.30	0.01	0.00	0.01	0.00	0.11	0.00	0.00	0.00
24	0.14	0.21	0.00	0.01	0.00	0.00	0.00	0.00	0.12	0.00	0.01	0.00
25	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.04	0.45	0.00	0.00
26	0.01	0.00	0.00	0.00	0.02	1.84	0.13	0.00	0.00	0.00	0.00	0.00
27	0.01	0.00	0.29	0.89	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00
28	0.15	0.00	0.12	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.08
29	0.00	0.00	0.07	0.00	---	0.00	0.00	0.00	0.00	0.06	0.02	0.00
30	0.00	0.00	0.00	0.35	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.03	0.01	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	2.18	3.48	1.16	2.46	1.35	2.71	2.38	4.05	1.07	0.51	1.57	1.11

WTR YR 2003 TOTAL 24.03

10116500 CUTLER RESERVOIR NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'13", long 112°02'51", in NW¼NW¼SW¼ sec. 26, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, 2 mi north of Beaver Dam, 6 mi north of Collinston.

DRAINAGE AREA.--6,265 mi^2.

PERIOD OF RECORD.--October 1927 to current year.

GAGE.--Elevation of gage is 4,000 ft, PacifiCorp datum.

REMARKS.--Records fair. New capacity table being used from October 1, 1992.

COOPERATION.--Records provided by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 18,020 acre-ft Jul 3, 4, elevation 4407.85 ft; minimum contents 3,393 acre-ft Dec 3, elevation 4405.15 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15,750	14,670	9,754	14,310	13,960	13,620	11,600	13,620	15,750	18,020	13,270	16,120
2	15,020	15,020	4,858	14,670	14,670	14,310	9,186	14,310	16,120	17,630	13,620	16,490
3	14,310	15,380	3,393	14,310	14,670	14,670	9,186	15,380	16,490	18,020	13,620	16,870
4	14,670	14,310	5,825	14,670	14,310	13,270	10,350	14,670	16,120	18,020	13,960	17,250
5	15,380	14,310	7,866	14,310	14,310	13,960	12,260	15,020	16,120	17,630	14,670	17,250
6	15,380	13,620	10,050	13,960	13,960	12,590	11,930	15,020	15,750	17,630	14,670	17,250
7	15,380	13,960	12,260	13,960	13,960	13,620	10,970	15,750	15,750	17,630	15,020	16,870
8	15,380	14,670	13,270	13,960	13,620	13,620	12,260	15,750	14,670	16,870	14,670	16,490
9	14,670	15,380	12,590	13,270	13,620	14,310	11,280	15,380	12,590	16,490	13,960	16,870
10	14,670	15,020	13,620	12,930	13,270	13,960	10,650	15,750	10,970	15,380	13,620	16,870
11	13,960	14,310	13,620	14,670	13,620	14,670	10,650	16,120	10,970	14,310	13,620	17,250
12	14,310	14,310	13,960	14,670	14,310	14,670	10,650	15,750	10,970	12,930	14,670	17,250
13	13,960	15,020	14,310	14,310	14,670	14,670	10,650	16,120	10,970	11,930	13,620	17,250
14	13,620	14,310	14,310	14,310	14,670	14,670	10,650	16,120	10,970	10,970	13,620	17,250
15	13,960	13,620	14,670	14,670	14,670	13,270	10,970	15,750	10,650	10,350	13,620	16,870
16	14,310	13,620	14,670	14,670	13,620	13,960	11,280	16,120	10,470	10,050	13,270	16,490
17	14,310	15,380	13,960	14,310	13,960	13,620	10,650	16,490	10,470	10,050	12,930	16,120
18	14,310	15,380	13,960	14,310	14,670	12,590	11,600	16,120	10,350	10,350	13,270	16,490
19	14,310	15,380	14,670	14,310	14,670	15,750	12,590	16,120	10,650	10,050	12,930	16,490
20	14,310	15,380	14,670	14,310	13,620	14,310	11,930	16,120	10,650	10,050	12,930	16,870
21	13,960	15,380	14,310	13,620	13,960	12,930	11,930	14,670	11,280	10,050	13,270	17,250
22	13,960	15,380	14,670	13,620	12,590	10,970	11,280	16,490	11,280	10,170	13,270	17,250
23	13,960	15,380	14,670	13,960	10,970	10,970	11,600	15,750	12,590	10,050	13,960	17,250
24	13,960	15,020	12,930	14,310	11,600	10,650	10,350	16,120	12,260	10,350	14,670	17,250
25	13,960	15,380	14,670	13,620	10,970	10,350	11,280	16,120	14,310	10,350	15,020	16,870
26	14,670	15,380	14,670	13,270	11,930	10,970	13,620	16,490	15,380	11,280	15,750	16,870
27	14,310	15,380	15,020	13,270	12,590	11,280	12,930	16,490	16,490	11,280	15,750	16,870
28	14,310	12,590	15,020	13,270	13,270	10,050	13,270	16,490	16,870	12,260	15,750	16,490
29	14,670	12,590	14,310	13,270	---	11,930	13,270	16,490	17,630	12,590	15,750	16,120
30	12,930	12,590	13,960	13,270	---	10,050	12,930	16,490	17,630	13,270	15,750	15,750
31	14,670	---	13,960	13,270	---	10,650	---	16,120	---	13,270	15,750	---
MAX	15,750	15,380	15,020	14,670	14,670	15,750	13,620	16,490	17,630	18,020	15,750	17,250
MIN	12,930	12,590	3,393	12,930	10,970	10,050	9,186	13,620	10,350	10,050	12,930	15,750
(#)	4407.40	4407.10	4407.30	4407.20	4407.20	4406.80	4407.15	4407.60	4407.80	4407.20	4407.55	4407.55
(*)	-1080	-2080	+1370	-690	0	-2620	+2280	+3190	+1510	-4360	+2480	0

CAL YR 2002.....(*) +3310
WTR YR 2003.....(*) 0

(#) Elevation, in feet, at end of month.
(*) Change in contents, in acre-feet.

10117000 HAMMOND (EAST SIDE) CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'51", long 112°03'24", in SE¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 3,600 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Prior to 1915, published as Hammond Ditch near Collingston. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records good. Canal diverts from east side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

COOPERATION.--Records collected by PacifiCorp.

AVERAGE DISCHARGE.--89 years (water years 1913-81, 1983-2003), 53.3 ft^3/s, 38,590 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 184 ft^3/s, Jun 29, 1963, May 2, 1977; no flow at times in each year.

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	92	33	0.00	0.00	0.00	0.00	0.00	0.00	164	159	135	131
2	93	25	0.00	0.00	0.00	0.00	0.00	0.00	165	153	136	120
3	63	18	0.00	0.00	0.00	0.00	0.00	92	165	148	136	113
4	34	0.00	0.00	0.00	0.00	0.00	0.00	114	167	148	136	113
5	34	0.00	0.00	0.00	0.00	0.00	0.00	121	167	148	137	114
6	34	0.00	0.00	0.00	0.00	0.00	0.00	141	147	148	137	114
7	34	0.00	0.00	0.00	0.00	0.00	0.00	155	167	143	137	113
8	34	0.00	0.00	0.00	0.00	0.00	0.00	160	164	141	137	113
9	34	0.00	0.00	0.00	0.00	0.00	0.00	157	163	141	137	113
10	34	0.00	0.00	0.00	0.00	0.00	0.00	149	155	142	137	112
11	34	0.00	0.00	0.00	0.00	0.00	0.00	149	152	142	137	113
12	34	0.00	0.00	0.00	0.00	0.00	0.00	148	151	142	136	112
13	34	0.00	0.00	0.00	0.00	0.00	0.00	148	151	142	133	107
14	34	0.00	0.00	0.00	0.00	0.00	0.00	147	151	141	133	102
15	34	0.00	0.00	0.00	0.00	0.00	0.00	152	150	140	133	102
16	34	0.00	0.00	0.00	0.00	0.00	0.00	158	152	140	133	100
17	34	0.00	0.00	0.00	0.00	0.00	0.00	158	152	140	133	94
18	34	0.00	0.00	0.00	0.00	0.00	0.00	158	147	140	132	91
19	34	0.00	0.00	0.00	0.00	0.00	0.00	158	147	139	132	86
20	34	0.00	0.00	0.00	0.00	0.00	0.00	158	147	139	132	82
21	34	0.00	0.00	0.00	0.00	0.00	0.00	158	147	139	132	83
22	34	0.00	0.00	0.00	0.00	0.00	0.00	158	147	139	132	83
23	34	0.00	0.00	0.00	0.00	0.00	0.00	157	148	142	130	80
24	34	0.00	0.00	0.00	0.00	0.00	0.00	157	148	143	131	77
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157	149	137	131	77
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157	150	137	131	77
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	157	147	137	131	77
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	156	147	137	132	77
29	0.00	0.00	0.00	0.00	---	0.00	0.00	156	154	138	132	77
30	0.00	0.00	0.00	0.00	---	0.00	0.00	159	159	135	131	71
31	0.00	---	0.00	0.00	---	0.00	---	165	---	135	131	---
TOTAL	962.00	76.00	0.00	0.00	0.00	0.00	0.00	4,360.00	4,620	4,395	4,143	2,924
MEAN	31.0	2.53	0.000	0.000	0.000	0.000	0.000	141	154	142	134	97.5
MAX	93	33	0.00	0.00	0.00	0.00	0.00	165	167	159	137	131
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	147	135	130	71
AC-FT	1,910	151	0.00	0.00	0.00	0.00	0.00	8,650	9,160	8,720	8,220	5,800

CAL YR	2002	TOTAL	21,977.00	MEAN	60.2	MAX	168	MIN 0.00 AC-FT 43,590
WTR YR	2003	TOTAL	21,480.00	MEAN	58.8	MAX	167	MIN 0.00 AC-FT 42,610

10117500 WEST SIDE CANAL NEAR COLLINSTON, UT

LOCATION.--Lat 41°49'55", 112°03'36", in SW$^1/_4$ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on left bank 4,200 ft downstream from Cutler Dam and 4 mi north of Collinston.

PERIOD OF RECORD.--June 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Prior to May 22, 1914, nonrecording gage at same site and datum.

REMARKS.--Records good. Canal diverts from west side of Bear River at Cutler Dam for irrigation of about 58,000 acres below station in eastern Box Elder County.

COOPERATION.--Records collected by PacifiCorp.

AVERAGE DISCHARGE.--89 years (water years 1913-81, 1983-2003), 255 ft^3/s, 184,800 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 787 ft^3/s, Jun 23, 1986; no flow for periods in every year except 1914.

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	341	140	0.00	0.00	0.00	0.00	0.00	518	730	664	555	543
2	235	140	0.00	0.00	0.00	0.00	0.00	544	726	649	543	545
3	154	141	0.00	0.00	0.00	0.00	0.00	570	724	629	548	547
4	149	142	0.00	0.00	0.00	0.00	0.00	593	723	621	543	574
5	150	145	0.00	0.00	0.00	0.00	0.00	610	723	623	543	590
6	151	132	0.00	0.00	0.00	0.00	0.00	640	719	625	544	590
7	148	68	0.00	0.00	0.00	0.00	0.00	668	723	610	544	559
8	148	0.00	0.00	0.00	0.00	0.00	0.00	695	723	602	544	545
9	147	0.00	0.00	0.00	0.00	0.00	0.00	684	721	601	546	513
10	145	0.00	0.00	0.00	0.00	0.00	0.00	623	708	604	544	497
11	145	0.00	0.00	0.00	0.00	0.00	0.00	619	696	606	544	497
12	140	0.00	0.00	0.00	0.00	0.00	0.00	619	696	604	546	496
13	140	0.00	0.00	0.00	0.00	0.00	0.00	621	696	606	544	477
14	141	0.00	0.00	0.00	0.00	0.00	0.00	656	700	608	544	466
15	141	0.00	0.00	0.00	0.00	0.00	0.00	679	698	608	544	466
16	142	0.00	0.00	0.00	0.00	0.00	0.00	683	698	610	544	456
17	145	0.00	0.00	0.00	0.00	0.00	0.00	683	688	610	542	441
18	143	0.00	0.00	0.00	0.00	0.00	0.00	681	667	612	544	443
19	143	0.00	0.00	0.00	0.00	0.00	0.00	674	669	614	544	429
20	143	0.00	0.00	0.00	0.00	0.00	0.00	670	668	614	544	416
21	141	0.00	0.00	0.00	0.00	0.00	0.00	675	665	614	544	416
22	141	0.00	0.00	0.00	0.00	0.00	0.00	679	661	614	544	416
23	142	0.00	0.00	0.00	0.00	0.00	0.00	681	665	614	542	402
24	144	0.00	0.00	0.00	0.00	0.00	0.00	679	649	595	546	392
25	144	0.00	0.00	0.00	0.00	0.00	0.00	671	617	573	547	390
26	145	0.00	0.00	0.00	0.00	0.00	0.00	673	621	571	549	390
27	146	0.00	0.00	0.00	0.00	0.00	0.00	702	627	568	549	394
28	145	0.00	0.00	0.00	0.00	0.00	0.00	724	632	566	545	389
29	144	0.00	0.00	0.00	---	0.00	0.00	726	649	570	542	386
30	146	0.00	0.00	0.00	---	0.00	0.00	728	664	570	542	384
31	144	---	0.00	0.00	---	0.00	---	728	---	570	542	---
TOTAL	4,773	908.00	0.00	0.00	0.00	0.00	0.00	20,396	20,546	18,745	16,886	14,049
MEAN	154	30.3	0.000	0.000	0.000	0.000	0.000	658	685	605	545	468
MAX	341	145	0.00	0.00	0.00	0.00	0.00	728	730	664	555	590
MIN	140	0.00	0.00	0.00	0.00	0.00	0.00	518	617	566	542	384
AC-FT	9,470	1,800	0.00	0.00	0.00	0.00	0.00	40,460	40,750	37,180	33,490	27,870

CAL YR	2002	TOTAL	96,638.80	MEAN	265	MAX	741	MIN 0.00 AC-FT 191,700
WTR YR	2003	TOTAL	96,303.00	MEAN	264	MAX	730	MIN 0.00 AC-FT 191,000

10118000 BEAR RIVER NEAR COLLINSTON, UT

LOCATION.--Lat 41°50'03", long 112°03'16", in NW¼SE¼ sec. 27, T. 13 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 800 ft downstream from Cutler plant of Utah Power & Light Co., 2,000 ft downstream from Cutler Dam, and 5.5 mi north of Collinston.

DRAINAGE AREA.--6,267 mi^2.

PERIOD OF RECORD.--July 1889 to current year. Published as "at Collinston" prior to 1900. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WDR UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,276.13 ft above NGVD of 1929 (levels by Bureau of Reclamation). Prior to November 8, 1913, nonrecording gage, and November 8, 1913 to September 10, 1938, water-stage recorder, at site 0.8 mi downstream at different datums.

REMARKS.--Records good. Natural flow of stream affected by storage reservoir, power developments and diversions for irrigation.

COOPERATION.--Records collected by PacifiCorp, under general supervision of the U. S. Geological Survey, in connection with a Federal Energy Regulatory Commission project.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,700 ft^3/s, Feb 20, 1986, gage height, 8.68 ft; minimum daily, 10 ft^3/s, Aug. 4-12, 18-23, 1905; practically no flow at 2400 Aug 5, 1920.

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	236	148	1,390	390	438	304	620	92	96	e25	e25	e25
2	172	264	1,910	436	654	290	701	28	137	e25	e25	e25
3	136	217	538	465	862	506	702	70	372	e25	e25	e25
4	149	361	33	532	1,420	467	709	25	e25	e25	e25	e25
5	127	358	33	501	884	724	423	25	e25	e25	e25	e25
6	144	174	42	538	423	281	1,270	26	e25	e25	e25	e25
7	189	256	33	452	588	394	731	27	e25	e25	e25	e25
8	274	304	314	507	491	733	879	27	e25	e25	e25	e25
9	264	510	463	502	456	240	902	340	e25	e25	e25	e25
10	275	627	425	333	647	824	863	26	e25	e25	e25	e25
11	185	261	402	288	432	428	906	259	e25	e25	e25	e25
12	185	301	416	503	516	512	781	113	e25	e25	e25	e25
13	188	511	435	519	565	507	1,080	25	e25	e25	e25	e25
14	186	400	381	449	817	607	962	92	e25	e25	e25	e25
15	175	577	373	541	658	1,190	944	63	e25	e25	e25	e25
16	146	345	919	552	1,260	645	1,430	163	e25	e25	e25	e25
17	162	341	480	449	715	1,020	1,170	153	e25	e25	e25	e25
18	235	379	404	439	445	576	1,050	130	e25	e25	e25	e25
19	180	462	506	430	1,470	1,590	762	351	e25	e25	e25	e25
20	180	415	549	473	604	1,700	1,020	236	e25	e25	e25	e25
21	178	402	433	483	639	1,670	1,090	130	e25	e25	e25	e25
22	187	406	424	473	788	1,560	1,030	63	e25	e25	e25	e25
23	181	632	507	468	1,100	693	789	133	e25	e25	e25	e25
24	176	376	154	731	675	787	1,420	25	e25	e25	e25	e25
25	185	449	443	534	520	788	359	100	e25	e25	e25	e25
26	233	408	453	607	256	382	462	90	e25	e25	e25	e25
27	304	859	508	561	323	1,620	422	111	e25	e25	e25	e25
28	196	816	746	448	439	906	1,270	100	e25	e25	e25	e25
29	333	450	557	462	---	636	326	236	e25	e25	e25	e25
30	242	920	669	518	---	613	272	160	e25	e25	e25	e25
31	68	---	421	497	---	1,260	---	140	---	e25	e25	---
TOTAL	6,071	12,929	15,361	15,081	19,085	24,453	25,345	3,559	1,280	775	775	750
MEAN	196	431	496	486	682	789	845	115	42.7	25.0	25.0	25.0
MAX	333	920	1,910	731	1,470	1,700	1,430	351	372	25	25	25
MIN	68	148	33	288	256	240	272	25	25	25	25	25
AC-FT	12,040	25,640	30,470	29,910	37,860	48,500	50,270	7,060	2,540	1,540	1,540	1,490

CAL YR 2002 TOTAL 140,067 MEAN 384 MAX 2,520 MIN 25 AC-FT 277,800
WTR YR 2003 TOTAL 125,464 MEAN 344 MAX 1,910 MIN 25 AC-FT 248,900

e Estimated

10126000 BEAR RIVER NEAR CORINNE, UT

LOCATION.--Lat 41°34'35", long 112°06'00", in NE¼SE¼NE¼ sec. 30, T. 10 N., R. 2 W., Box Elder County, Hydrologic Unit 16010204, on right bank 1.2 mi downstream from Salt Creek, 2.0 mi northeast of Corinne, and 2.8 mi downstream from Malad River.

DRAINAGE AREA.--7,029 mi^2.

PERIOD OF RECORD.--October 1949 to September 1957, October 1963 to current year.

REVISED RECORDS.--WRD UT-74-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,204.6 ft above NGVD of 1929, unadjusted. Auxiliary nonrecording gage 7,800 ft downstream July 27, 1950 to November 21, 1955.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Natural flow of stream affected by upstream reservoirs, power development, diversions for irrigation, and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 14,770 ft^3/s, May 19, 1984, gage height, 17.50 ft; minimum daily discharge, 25 ft^3/s, Jun 13, 14, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,940 ft^3/s, Dec 3, gage height, 6.99 ft; minimum daily discharge, 25 ft^3/s, Jun 13, 14.

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	157	303	1,020	828	744	726	1,160	592	277	64	35	73
2	349	352	e1,420	753	697	626	1,070	325	210	61	35	75
3	476	459	1,850	e750	864	590	1,090	171	214	59	38	72
4	440	488	e1,210	e800	e900	792	915	140	304	57	43	68
5	407	625	379	e850	e950	848	961	159	173	54	46	66
6	365	649	232	e800	e1,000	983	932	102	91	51	47	67
7	383	547	194	e780	e980	669	1,340	85	59	49	47	71
8	415	516	195	760	e950	786	996	80	44	47	47	73
9	481	588	568	761	e900	963	1,150	95	38	45	46	76
10	520	e730	754	772	e850	679	1,160	360	35	42	45	84
11	542	e950	702	591	e800	979	1,110	350	30	42	45	99
12	465	810	740	583	e750	758	1,070	505	28	41	46	111
13	470	727	e740	756	722	792	1,090	487	25	40	43	115
14	433	754	e720	781	805	808	1,200	274	25	38	42	119
15	437	754	730	727	950	967	1,160	250	27	38	42	124
16	417	877	759	778	1,020	1,220	1,300	311	31	38	47	131
17	399	676	1,040	816	1,220	927	1,470	317	37	35	47	134
18	405	646	e920	723	1,020	1,160	1,270	383	44	33	48	142
19	473	686	776	730	836	963	1,160	419	50	33	48	141
20	450	790	805	708	1,240	1,390	1,140	488	54	34	50	136
21	438	749	867	727	971	1,580	1,200	399	55	32	52	134
22	435	736	803	737	886	1,570	1,170	368	57	31	57	134
23	439	707	765	731	1,030	1,380	1,200	257	61	30	61	136
24	437	869	841	724	1,100	1,070	1,190	266	64	30	61	132
25	441	746	e950	837	942	945	1,270	169	68	31	61	133
26	437	729	e900	818	822	1,020	779	156	68	32	61	134
27	469	721	e880	822	602	947	749	193	67	32	62	136
28	565	952	e850	799	624	1,400	797	261	65	33	62	142
29	557	1,120	e900	732	---	1,140	1,030	236	62	33	62	147
30	593	801	e940	712	---	e1,100	695	270	63	33	66	151
31	621	---	942	736	---	1,010	---	230	---	35	69	---
TOTAL	13,916	21,057	25,392	23,422	25,175	30,788	32,824	8,698	2,426	1,253	1,561	3,356
MEAN	449	702	819	756	899	993	1,094	281	80.9	40.4	50.4	112
MAX	621	1,120	1,850	850	1,240	1,580	1,470	592	304	64	69	151
MIN	157	303	194	583	602	590	695	80	25	30	35	66
AC-FT	27,600	41,770	50,370	46,460	49,930	61,070	65,110	17,250	4,810	2,490	3,100	6,660

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-57, 1964-2003, BY WATER YEAR (WY)

MEAN	1,361	1,634	1,699	1,816	1,857	2,323	2,836	2,897	2,204	727	631	926
MAX	4,240	4,471	4,414	3,639	5,966	6,041	7,258	9,598	9,201	4,186	3,045	3,423
(WY)	(1984)	(1985)	(1984)	(1984)	(1986)	(1986)	(1985)	(1984)	(1984)	(1983)	(1983)	(1984)
MIN	95.6	621	535	620	723	913	638	71.8	77.6	40.4	50.4	62.2
(WY)	(1993)	(2001)	(1995)	(1993)	(1993)	(1991)	(1992)	(1992)	(1992)	(2003)	(2003)	(1992)

10126000 BEAR RIVER NEAR CORINNE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1950-57, 1964-2003	
ANNUAL TOTAL	251,708		189,868			
ANNUAL MEAN	690		520		1,740	
HIGHEST ANNUAL MEAN					5,050	1984
LOWEST ANNUAL MEAN					435	1992
HIGHEST DAILY MEAN	2,430	Mar 26	1,850	Dec 3	14,300	May 19, 1984
LOWEST DAILY MEAN	54	Aug 24	25	Jun 13	25	Jun 13, 2003
ANNUAL SEVEN-DAY MINIMUM	56	Aug 21	29	Jun 10	29	Jun 10, 2003
ANNUAL RUNOFF (AC-FT)	499,300		376,600		1,261,000	
10 PERCENT EXCEEDS	1,310		1,070		3,630	
50 PERCENT EXCEEDS	649		488		1,400	
90 PERCENT EXCEEDS	78		43		127	

e Estimated

10128500 WEBER RIVER NEAR OAKLEY, UT

LOCATION.--Lat 40°44'14", long 111°14'50", in NW¼SE¼NE¼ sec. 15, T. 1 S., R. 6 E., Summit County, Hydrologic Unit 16020101, on right bank 1.5 mi downstream from South Fork, 2.2 mi upstream from Weber-Provo diversion canal, and 3.2 mi northeast of Oakley.

DRAINAGE AREA.--162 mi^2.

PERIOD OF RECORD.--October 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

REVISED RECORDS.--WSP 790: 1934. WSP 1394: 1907-09, 1911-12, 1921-22. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,640 ft above NGVD of 1929, from topographic map. Prior to October 25, 1933, staff gage at site 0.2 mi downstream at different datum. October 25, 1933 to August 29, 1955, water-stage recorder at present site at datum 0.5 ft higher. August 29, 1955 to October 27, 1981 at present site at different datum. October 27, 1981 to July 21, 1993 at site 0.3 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Several small diversions for irrigation above station. Flow slightly regulated by several small lakes on headwaters and a small reservoir on Smith and Morehouse Creek. Total capacity of lakes and reservoir, 10,750 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,170 ft^3/s, Jun 13, 1921, gage height, 9.0 ft, site and datum then in use, from rating curve extended above 2,000 ft^3/s; minimum observed, 15 ft^3/s, Dec 9, 1977, minimum discharge, 15 ft^3/s, Dec 15, 1990, Feb 27, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 31	0115	*1,950	*3.68				

Minimum daily discharge, 45 ft^3/s, Feb 22, 28, Mar 1, 3.

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	82	59	63	e68	e55	e45	84	190	1,330	241	135	62
2	95	70	61	e68	e58	e47	86	182	1,120	226	143	60
3	88	76	62	e67	e55	e45	82	180	943	210	150	59
4	82	75	62	e65	e56	e48	73	185	784	196	133	57
5	78	72	57	e65	e50	52	77	176	683	184	123	59
6	76	66	58	e62	e46	51	75	160	621	171	119	60
7	75	60	e56	e64	e52	50	72	160	573	157	111	59
8	78	62	e54	e64	e53	50	75	155	526	148	101	59
9	80	66	e56	e61	e52	51	86	155	487	141	99	60
10	79	61	e66	e61	e48	52	103	163	461	134	99	67
11	77	61	e72	e65	e47	53	133	157	433	136	99	67
12	74	58	e63	e62	e48	57	163	153	410	146	91	63
13	73	62	e63	e60	e51	62	191	174	443	153	89	59
14	70	60	e60	e54	e53	72	228	212	382	152	92	56
15	68	59	e60	e53	e48	70	232	274	347	149	96	55
16	67	60	e63	e59	e50	74	205	364	324	145	82	53
17	67	61	e60	e60	e50	68	199	472	300	149	87	54
18	65	59	e62	e58	e49	64	197	545	280	161	77	56
19	65	61	e67	e59	e47	62	186	611	270	159	69	e56
20	65	59	e66	e57	e48	62	179	576	263	160	67	53
21	63	58	e71	e56	e47	62	176	617	268	156	68	52
22	62	59	e70	e52	e45	65	176	738	312	157	80	51
23	69	60	e58	e53	e50	71	165	909	311	160	74	50
24	70	62	e62	e52	e47	71	161	1,160	367	160	69	50
25	68	60	e66	e51	e51	67	177	1,200	359	158	66	49
26	67	e55	e62	e51	e50	75	199	1,400	382	154	63	49
27	65	e64	e65	e52	e49	70	199	1,560	365	148	65	49
28	64	e69	e66	e56	e45	69	199	1,600	320	142	63	48
29	63	75	e66	e51	---	63	201	e1,630	285	149	63	47
30	62	68	e65	e52	---	68	201	e1,650	258	143	70	46
31	59	---	e65	e54	---	74	---	1,560	---	139	64	---
TOTAL	2,216	1,897	1,947	1,812	1,400	1,890	4,580	19,268	14,207	4,984	2,807	1,665
MEAN	71.5	63.2	62.8	58.5	50.0	61.0	153	622	474	161	90.5	55.5
MAX	95	76	72	68	58	75	232	1,650	1,330	241	150	67
MIN	59	55	54	51	45	45	72	153	258	134	63	46
AC-FT	4,400	3,760	3,860	3,590	2,780	3,750	9,080	38,220	28,180	9,890	5,570	3,300

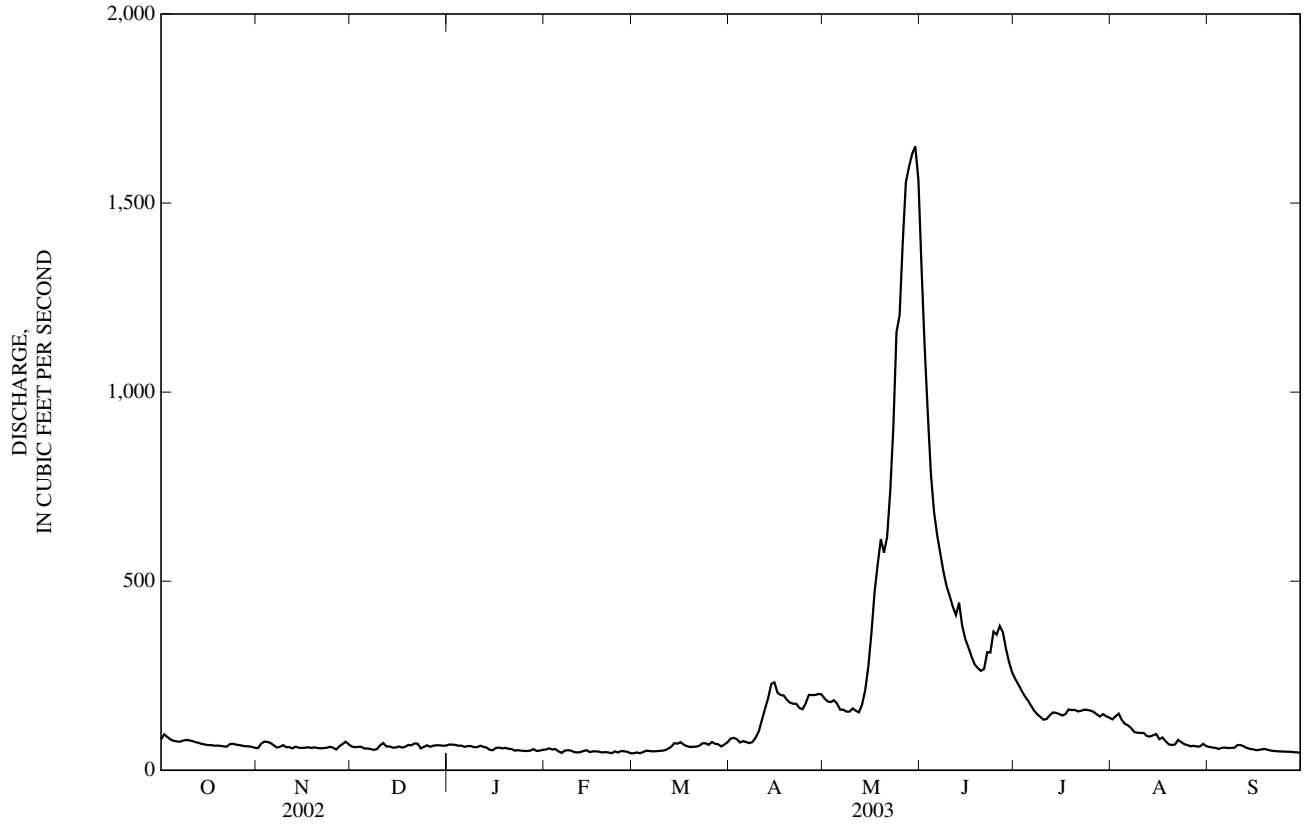
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1905 - 2003, BY WATER YEAR (WY)

MEAN	79.8	69.7	60.6	56.3	56.5	67.3	178	683	901	264	114	85.1
MAX	202	122	105	91.2	86.1	181	515	1,279	2,178	1,486	259	199
(WY)	(1983)	(1913)	(1984)	(1984)	(1915)	(1986)	(1910)	(1914)	(1909)	(1907)	(1983)	(1983)
MIN	33.8	34.4	28.8	33.2	35.0	35.9	64.2	170	81.0	41.7	34.4	32.9
(WY)	(1993)	(2002)	(1978)	(2002)	(1964)	(1977)	(1975)	(1977)	(1934)	(1934)	(1934)	(1934)

10128500 WEBER RIVER NEAR OAKLEY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1905 - 2003	
ANNUAL TOTAL	47,754		58,673			
ANNUAL MEAN	131		161		218	
HIGHEST ANNUAL MEAN					415	1907
LOWEST ANNUAL MEAN					77.4	1934
HIGHEST DAILY MEAN	984	May 31	1,650	May 30	4,170	Jun 13, 1921
LOWEST DAILY MEAN	27	Jan 14	45	Feb 22	20	Dec 1, 1977
ANNUAL SEVEN-DAY MINIMUM	30	Jan 13	47	Feb 26	23	Nov 30, 1977
ANNUAL RUNOFF (AC-FT)	94,720		116,400		158,100	
10 PERCENT EXCEEDS	320		322		614	
50 PERCENT EXCEEDS	66		68		80	
90 PERCENT EXCEEDS	40		51		48	

e Estimated



10129500 WEBER RIVER NEAR WANSHIP, UT

LOCATION.--Lat 40°47'34", Long 111°24'15", in SE¼SE¼NE¼ sec. 29, T. 1 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 0.1 mi downstream from Wanship Dam, 1.2 mi south of Wanship and 1.25 mi upstream from Silver Creek.

DRAINAGE AREA.--335 mi^2.

PERIOD OF RECORD.--October 1950 to September 1955, April 1957 to September 1960, October 1988 to current year. Monthly discharges only April 1957 to September 1960, published in WSP 1734.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map. November 17, 1950, to September 30, 1955, water-stage recorder at site 200 ft upstream at different datum.

REMARKS.--Records good. Flow completely regulated by Wanship Dam.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,340 ft^3/s, May 30, 1951, gage height, 4.73 ft, site and datum then in use; minimum daily, 0.1 ft^3/s, Nov 17-22, 1957.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 221 ft^3/s, Sep 10; minimum daily discharge, 25 ft^3/s, Mar 4, 7.

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	67	33	32	30	30	e27	26	29	140	163	158	164
2	55	33	32	29	30	e27	27	29	147	e169	153	161
3	42	33	32	29	30	e26	27	29	143	170	149	162
4	42	33	32	29	31	25	27	29	143	171	150	160
5	42	33	32	29	32	26	27	30	145	169	149	157
6	41	33	32	29	32	26	27	30	146	168	147	164
7	41	32	32	30	30	25	27	30	147	e172	146	175
8	35	32	33	30	30	26	27	30	147	171	153	185
9	31	32	33	30	30	26	27	30	146	167	145	211
10	31	32	33	30	30	26	27	30	162	e168	146	221
11	30	32	34	30	30	26	28	30	178	e165	149	218
12	31	32	35	30	30	26	28	30	183	e162	163	209
13	32	32	34	30	e30	26	27	30	190	161	166	209
14	33	32	32	30	e30	26	27	30	188	e162	172	207
15	33	32	33	29	e30	26	29	65	186	163	168	202
16	33	32	33	29	e30	26	28	80	187	e163	176	201
17	33	32	33	30	e30	27	28	80	187	e164	170	207
18	33	32	33	30	e30	26	28	79	182	e165	167	e205
19	33	32	32	29	e30	26	28	79	178	e166	163	e202
20	33	32	32	30	e30	26	27	77	179	e167	163	e200
21	33	32	31	30	e29	26	28	77	189	e168	163	e198
22	33	31	30	30	e29	26	28	77	191	e169	158	e196
23	33	30	30	31	e29	27	28	76	192	e170	167	e194
24	33	30	30	32	e28	27	27	78	192	169	164	e192
25	33	30	30	31	e28	27	27	78	190	172	173	e189
26	33	30	31	31	e28	27	27	77	187	160	171	186
27	33	31	32	31	e27	27	28	121	185	160	170	193
28	33	30	32	30	e27	27	28	e139	179	163	178	199
29	33	32	32	29	---	27	28	155	e174	158	183	196
30	33	32	31	30	---	27	29	146	165	159	184	196
31	33	---	30	30	---	26	---	142	---	159	173	---
TOTAL	1,114	954	993	927	830	815	825	2,042	5,148	5,133	5,037	5,759
MEAN	35.9	31.8	32.0	29.9	29.6	26.3	27.5	65.9	172	166	162	192
MAX	67	33	35	32	32	27	29	155	192	172	184	221
MIN	30	30	30	29	27	25	26	29	140	158	145	157
AC-FT	2,210	1,890	1,970	1,840	1,650	1,620	1,640	4,050	10,210	10,180	9,990	11,420

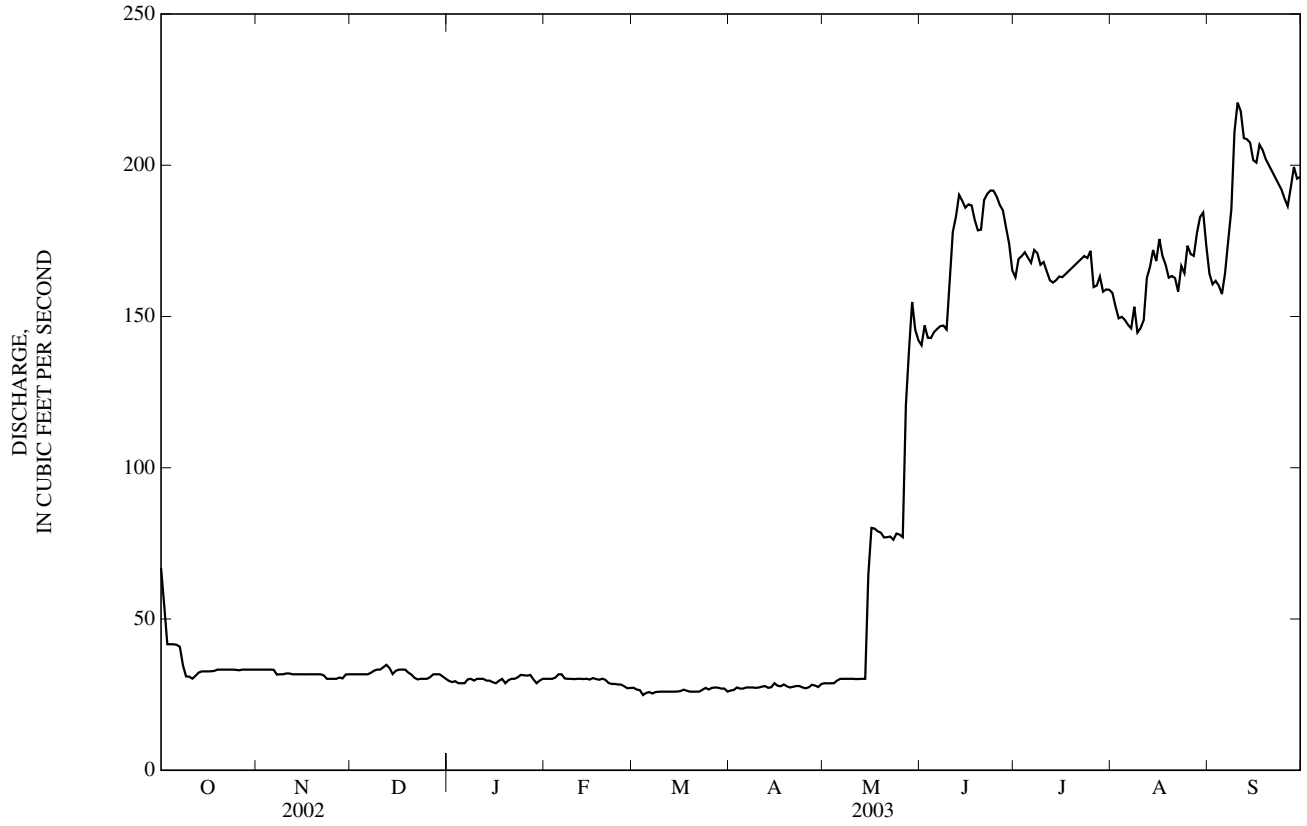
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	149	129	116	80.3	86.7	106	138	241	463	272	215	186
MAX	209	211	258	213	220	279	440	743	1,295	846	333	288
(WY)	(1994)	(1998)	(1958)	(1997)	(1997)	(1997)	(1958)	(1997)	(1995)	(1995)	(1989)	(1958)
MIN	23.3	23.2	22.5	23.0	15.8	24.6	23.4	53.2	137	120	162	84.2
(WY)	(1993)	(1993)	(1995)	(1993)	(1991)	(2001)	(2001)	(2002)	(1989)	(1958)	(2003)	(2002)

10129500 WEBER RIVER NEAR WANSHIP, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	28,790		29,577			
ANNUAL MEAN	78.9		81.0		182	
HIGHEST ANNUAL MEAN					314	1997
LOWEST ANNUAL MEAN					80.5	2002
HIGHEST DAILY MEAN	224	Jun 10	221	Sep 10	1,610	Jun 18, 1995
LOWEST DAILY MEAN	28	Mar 5	25	Mar 4	0.10	Nov 17, 1957
ANNUAL SEVEN-DAY MINIMUM	29	Feb 27	26	Mar 3	0.11	Nov 16, 1957
ANNUAL RUNOFF (AC-FT)	57,100		58,670		132,000	
10 PERCENT EXCEEDS	209		183		294	
50 PERCENT EXCEEDS	33		32		172	
90 PERCENT EXCEEDS	29		27		27	

e Estimated



10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT

LOCATION.--Lat 40°44'07", Long 111°28'31", in SW¼SE¼NE¼ sec. 15, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, on left bank 1.2 mi east of Silver Creek Junction, and 7 mi northeast of Park City.

DRAINAGE AREA.--17.4 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,470 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70 ft^3/s, Mar 31, 2002, gage height, 6.39 ft; minimum daily discharge 0.93 ft^3/s, Jul 30, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12 ft^3/s, Jun 24, gage height, 5.19 ft; minimum daily discharge, 0.93 ft^3/s, Jul 30.

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	2.3	2.0	2.3	2.2	3.0	2.4	3.1	2.1	1.4	1.5	2.2	2.0
2	2.3	2.1	2.2	2.2	2.8	2.3	3.0	2.4	1.4	1.5	2.6	1.8
3	2.3	2.0	2.1	2.2	2.8	2.3	2.4	2.1	1.4	1.2	2.6	1.8
4	2.2	2.0	2.1	2.1	2.5	2.3	2.4	2.7	1.5	1.0	2.4	1.9
5	2.2	2.0	2.2	2.1	2.3	2.4	2.8	3.0	1.6	1.4	2.4	1.9
6	2.2	2.0	2.3	2.1	2.4	2.6	2.9	2.2	1.5	1.0	2.5	2.0
7	2.1	2.1	2.5	2.0	2.4	3.4	2.8	2.2	1.6	1.0	2.5	2.0
8	2.2	2.2	2.6	1.9	2.3	3.7	2.4	2.8	1.5	1.0	2.7	2.0
9	2.3	2.3	2.4	1.9	2.3	4.7	2.4	2.5	1.6	1.0	2.8	2.1
10	2.2	2.1	2.5	1.9	2.0	5.4	2.5	2.9	1.5	1.0	2.6	2.2
11	2.3	e2.2	2.6	2.0	1.9	4.8	2.4	2.9	1.3	1.1	2.7	2.1
12	2.3	2.1	2.6	2.0	1.9	3.4	2.4	2.8	1.0	1.0	2.7	2.1
13	2.4	2.1	2.7	2.0	2.7	2.8	2.3	2.1	e1.0	0.96	2.7	2.2
14	2.4	2.1	2.8	1.9	4.9	2.7	2.2	1.9	1.0	0.99	2.6	1.9
15	2.4	2.1	2.8	2.0	4.4	3.0	2.2	1.9	0.99	0.97	2.4	1.7
16	2.1	2.2	2.8	1.9	3.0	5.5	2.4	1.8	1.0	0.95	2.3	1.7
17	2.2	2.2	2.7	2.0	3.2	4.4	2.1	2.0	1.0	1.1	2.2	1.5
18	2.2	2.2	2.8	2.1	2.9	3.5	2.8	2.3	1.0	1.00	2.1	1.3
19	2.3	2.3	2.5	2.2	2.6	3.4	3.0	1.9	1.0	1.0	2.0	1.1
20	2.2	2.3	2.2	2.3	2.5	3.6	2.6	1.8	1.0	1.0	2.3	1.0
21	2.0	2.3	2.4	2.2	2.4	3.2	2.4	1.6	1.1	0.98	2.3	1.0
22	2.1	2.4	2.4	2.3	2.4	2.9	2.6	2.1	1.1	1.0	2.3	1.0
23	2.2	2.5	2.5	2.3	2.3	2.7	2.5	1.9	2.2	1.00	2.3	0.99
24	2.2	2.5	2.5	2.3	2.3	2.8	2.2	1.4	6.6	1.1	2.2	0.99
25	2.2	2.4	2.3	2.4	2.2	2.6	2.2	1.3	3.2	1.1	2.0	1.0
26	2.2	2.4	2.5	2.4	2.4	2.8	2.1	1.3	2.1	1.1	1.9	1.0
27	2.1	2.4	2.6	2.3	2.4	3.0	2.0	1.3	1.3	1.1	1.8	1.1
28	2.1	2.5	2.6	2.8	2.4	3.1	2.0	1.4	2.1	1.2	1.8	1.1
29	2.2	2.5	2.1	2.5	---	2.9	1.9	1.4	2.8	1.2	1.9	1.1
30	2.2	2.5	2.2	2.4	---	e2.7	2.0	1.3	1.9	0.93	2.0	1.1
31	2.0	---	2.2	3.5	---	e2.9	---	1.4	---	1.7	2.0	---
MEAN	2.21	2.23	2.45	2.21	2.63	3.23	2.43	2.02	1.66	1.10	2.32	1.56
MAX	2.4	2.5	2.8	3.5	4.9	5.5	3.1	3.0	6.6	1.7	2.8	2.2
MIN	2.0	2.0	2.1	1.9	1.9	2.3	1.9	1.3	0.99	0.93	1.8	0.99

CAL YR 2002 MEAN 3.91 MAX 46 MIN 1.9
WTR YR 2003 MEAN 2.17 MAX 6.6 MIN 0.93

e Estimated

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2001 to current year.

PERIOD OF DAILY RECORD.--
DISSOLVED OXYGEN: October 2001 to current year.
PH: October 2001 to current year.
SPECIFIC CONDUCTANCE: October 2001 to current year.
WATER TEMPERATURE: October 2001 to current year.

INSTRUMENTATION.-Water quality monitor from October 2001 to current year.

REMARKS.--Dissolved oxygen records poor. PH records good. Specific conductivity records good except for the periods, October 24 to November 7, which is poor and December 28 to January 2, which is fair. Temperature records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISSOLVED OXYGEN: Maximum, 11.5 mg/L, Jun 5, 8, 2003; minimum, 1.0 mg/L, Aug 26, 2002.
PH: Maximum, 8.3 units, Apr 28, Jun 4, 5, 8, 2003; minimum, 6.7 units, Apr 18, 20, 21, 22, 2003.
SPECIFIC CONDUCTANCE: Maximum, 2,350 microsiemens/cm, Mar 28, 2003; minimum, 644 microsiemens/cm, Mar 31, 2002.
WATER TEMPERATURE: Maximum, 25.7°C, Jul 30, 2003; minimum, 0.0°C, Nov 29, 2001, Apr 2, 2002.

EXTREMES FOR CURRENT YEAR.--
DISSOLVED OXYGEN: Maximum, 11.5 mg/L, Jun 5, 8; minimum, 1.5 mg/L, Jul 1, 2, 3.
pH: Maximum, 8.3 units, Apr 28, Jun 4, 5, 8; minimum, 6.7 units, Apr 18, 20, 21, 22.
SPECIFIC CONDUCTANCE: Maximum, 2,350 microsiemens/cm, Mar 28; minimum, 766 microsiemens/cm, Nov 17.
WATER TEMPERATURE: Maximum, 25.7°C, Jul 30; minimum, 2.7°C, Mar 11.

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.6	5.2	6.4	9.1	7.0	7.8	9.1	7.4	7.8	---	---	---
2	8.2	5.7	7.0	9.1	7.2	7.8	9.0	7.4	7.9	8.9	---	---
3	8.6	6.4	7.2	9.2	6.1	7.8	9.2	7.5	8.0	9.0	7.6	8.1
4	8.6	5.9	7.1	9.3	7.2	7.8	9.4	7.5	8.0	9.1	7.4	8.2
5	8.6	5.9	7.1	9.2	7.1	7.8	9.3	7.2	7.8	9.2	7.6	8.3
6	8.7	6.0	7.1	9.3	7.1	7.8	9.1	6.8	7.6	9.5	7.8	8.5
7	8.6	5.9	7.0	8.5	6.8	7.3	8.9	6.6	7.4	9.6	8.0	8.7
8	8.5	5.9	7.0	7.5	6.6	6.9	8.7	6.3	7.3	9.6	8.2	8.8
9	8.6	5.8	6.9	7.7	6.5	7.0	8.9	6.7	7.5	9.8	8.5	8.9
10	8.7	5.5	6.8	8.0	6.7	7.2	8.8	6.4	7.5	9.6	8.3	8.7
11	8.5	5.4	6.8	8.2	6.8	7.5	8.7	7.0	7.7	9.5	8.0	8.4
12	8.5	5.1	6.8	8.4	6.7	7.6	8.7	6.6	7.5	9.6	7.3	8.3
13	8.5	6.3	7.1	8.2	7.2	7.5	8.7	6.7	7.5	9.5	7.4	8.2
14	8.5	6.0	7.1	8.7	7.1	7.6	8.5	6.0	7.1	9.5	7.0	8.1
15	8.4	5.0	7.0	8.6	7.3	7.8	8.0	5.5	6.7	9.6	6.6	7.8
16	8.1	6.2	6.9	8.9	7.5	7.9	8.3	6.2	7.1	9.0	5.9	7.5
17	8.3	6.1	7.1	8.8	7.4	7.8	8.0	6.2	7.0	8.8	5.4	7.0
18	8.4	6.2	7.2	9.1	7.4	8.0	8.2	6.1	7.2	9.4	6.6	8.1
19	8.5	5.9	7.3	9.2	7.6	8.2	8.2	6.2	7.1	9.6	7.1	8.3
20	8.5	6.1	7.3	9.3	7.8	8.3	8.2	5.6	7.0	9.2	6.9	8.0
21	8.5	6.1	7.2	8.9	7.1	7.8	8.3	6.2	7.2	9.3	6.9	8.0
22	8.2	6.5	7.1	8.7	6.0	7.4	8.2	6.3	7.2	9.3	7.0	8.0
23	8.0	5.8	7.0	9.0	6.4	7.6	8.3	6.7	7.5	9.2	6.3	7.5
24	8.3	6.4	7.1	9.1	7.6	8.0	8.3	6.6	7.4	8.7	6.5	7.6
25	8.5	6.2	7.2	9.3	7.7	8.4	8.2	6.6	7.5	9.3	7.1	7.9
26	8.5	5.9	7.1	9.3	8.0	8.5	8.3	6.6	7.3	9.2	7.1	7.8
27	8.4	6.4	7.0	9.4	7.9	8.4	---	---	---	8.6	6.0	7.1
28	8.1	6.4	7.1	9.4	7.7	8.2	---	---	---	9.0	6.2	7.6
29	8.6	6.4	7.3	9.2	7.6	8.0	---	---	---	9.1	6.6	7.5
30	8.7	5.6	7.1	9.1	7.4	7.9	---	---	---	8.6	5.9	7.0
31	8.9	5.7	7.5	---	---	---	---	---	---	8.9	5.6	7.4
MONTH	8.9	5.0	7.1	9.4	6.0	7.8	9.4	5.5	7.4	9.8	5.4	8.0

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.8	7.5	8.0	9.3	6.9	7.8	9.3	6.3	7.6	9.0	5.9	7.2
2	9.3	7.3	8.0	9.1	6.6	7.7	8.6	4.9	7.2	8.0	5.8	7.1
3	9.7	6.9	8.3	9.1	6.3	7.4	9.8	6.1	8.1	8.7	5.7	6.9
4	9.3	6.5	7.7	8.9	6.1	7.3	9.8	7.4	8.5	8.2	6.2	7.2
5	---	---	---	8.8	6.1	7.4	---	---	---	9.0	6.1	7.7
6	---	---	---	8.8	6.8	7.7	---	---	---	8.5	5.3	7.1
7	---	---	---	8.9	6.6	7.8	---	---	---	---	---	---
8	---	---	---	9.7	6.9	8.6	---	---	---	---	---	---
9	---	---	---	10.0	8.0	8.9	10.4	5.1	7.6	---	---	---
10	10.0	---	---	10.2	8.1	8.8	9.2	5.7	7.4	---	---	---
11	9.6	6.9	8.1	9.6	6.4	8.3	---	---	---	---	---	---
12	8.7	6.3	7.3	9.3	6.1	7.6	---	---	---	---	---	---
13	9.1	6.4	7.8	8.8	5.6	6.9	---	---	---	9.9	---	---
14	10.0	8.6	9.2	8.6	5.7	7.0	---	---	---	10.0	6.9	8.3
15	10.0	7.7	8.9	9.2	6.7	7.7	10.6	---	---	10.1	6.6	8.0
16	9.3	7.1	8.1	9.5	6.9	8.0	---	---	---	8.9	6.2	7.4
17	9.4	7.6	8.6	9.4	7.0	8.0	---	---	---	8.8	5.9	7.1
18	9.3	7.5	8.3	9.6	7.4	8.3	---	---	---	8.8	6.3	7.4
19	9.2	7.2	8.0	9.6	6.8	8.1	---	---	---	9.2	6.5	7.7
20	9.0	6.8	7.7	9.7	6.9	8.0	---	---	---	9.2	6.5	7.8
21	8.9	6.2	7.4	9.7	6.9	8.0	---	---	---	9.4	6.3	7.6
22	8.7	6.5	7.3	9.3	6.1	7.5	11.1	---	---	9.2	6.0	7.4
23	9.2	6.4	7.6	9.0	6.5	7.6	10.2	---	---	9.4	5.9	7.6
24	9.3	7.2	8.0	9.6	6.4	7.9	10.5	---	---	10.0	5.7	7.5
25	9.4	6.3	7.7	8.4	4.3	7.0	10.2	6.6	8.2	10.2	5.6	7.7
26	8.7	6.0	7.1	9.3	6.5	7.7	---	---	---	10.5	5.7	7.9
27	9.0	6.3	7.6	10.0	7.4	8.4	---	---	---	10.2	5.7	7.9
28	9.3	6.3	7.7	9.9	7.6	8.5	9.8	---	---	10.4	5.8	7.9
29	---	---	---	9.8	7.0	8.5	9.1	5.9	7.3	10.3	5.3	7.4
30	---	---	---	7.7	3.4	5.7	8.1	5.8	6.8	10.3	5.3	7.7
31	---	---	---	9.3	5.9	7.4	---	---	---	10.5	5.3	7.8
MONTH	10.0	6.0	7.9	10.2	3.4	7.8	11.1	4.9	7.6	10.5	5.3	7.6
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10.7	5.7	8.0	2.4	1.5	2.0	7.8	6.2	6.9	5.9	3.4	4.3
2	10.9	6.0	8.3	2.2	1.5	1.8	7.3	6.1	6.6	5.9	3.0	4.2
3	11.1	6.0	8.4	2.2	1.5	1.9	7.2	6.0	6.5	6.1	3.1	4.3
4	11.4	6.2	8.6	5.0	1.9	4.0	7.3	5.8	6.5	5.9	3.2	4.4
5	11.5	6.3	8.7	7.9	5.0	6.6	7.1	5.4	6.3	6.1	3.2	4.4
6	11.0	6.2	8.5	8.3	5.8	6.8	6.6	5.1	5.8	6.1	3.3	4.4
7	11.2	6.2	8.6	8.3	5.7	6.9	6.2	4.6	5.3	6.4	3.2	4.7
8	11.5	6.4	8.7	8.4	5.4	6.8	6.0	4.6	5.2	6.7	3.5	4.7
9	11.2	6.3	8.0	8.3	5.8	7.0	5.9	4.4	5.1	6.6	3.7	4.9
10	10.6	6.4	8.3	8.4	5.9	7.1	6.3	4.7	5.4	7.0	4.0	5.2
11	10.7	6.0	8.3	8.3	5.9	7.0	6.9	4.8	5.7	7.3	4.5	5.6
12	10.1	5.7	7.6	8.2	5.7	6.8	6.5	4.4	5.2	7.0	4.4	5.4
13	---	---	---	8.2	5.7	6.8	6.5	3.8	4.9	6.6	4.4	5.3
14	10.2	5.7	8.1	8.3	5.7	6.9	---	---	---	7.1	4.4	5.6
15	10.4	5.8	8.0	8.4	5.3	6.8	5.3	---	---	7.6	4.7	5.9
16	10.6	5.6	7.8	8.3	5.3	6.6	5.3	3.0	4.0	7.3	4.6	5.6
17	10.9	5.9	7.8	8.0	5.1	6.4	5.2	3.2	4.1	7.6	4.1	5.7
18	10.5	5.7	7.9	7.8	5.0	6.3	5.4	3.4	4.3	7.8	5.2	6.3
19	10.5	5.8	7.8	7.7	5.0	6.3	5.5	3.6	4.4	7.8	4.8	6.2
20	10.4	5.7	7.9	7.9	5.1	6.4	5.5	3.6	4.4	7.9	5.1	6.3
21	9.9	5.9	7.5	8.0	5.2	6.5	5.5	3.5	4.3	8.0	3.4	6.0
22	10.2	5.9	7.8	8.1	5.2	6.5	5.6	3.1	4.2	7.7	4.3	5.7
23	9.0	5.9	7.1	8.3	5.0	6.4	5.4	3.6	4.3	7.8	3.8	6.0
24	8.9	6.6	7.7	7.9	5.4	6.5	5.5	3.5	4.2	7.8	5.0	6.3
25	9.2	6.2	7.7	7.9	5.2	6.4	5.7	3.3	4.3	8.2	5.4	6.6
26	8.9	6.2	7.4	7.9	5.1	6.4	5.4	3.4	4.3	8.3	5.7	6.6
27	9.6	5.9	7.6	7.8	5.4	6.5	5.6	3.3	4.2	8.1	5.2	6.4
28	8.8	2.0	5.4	7.9	5.7	6.7	5.9	3.5	4.6	8.3	4.8	6.4
29	3.3	1.9	2.5	8.0	5.5	6.6	5.7	3.1	4.2	8.3	5.3	6.5
30	2.7	1.7	2.2	10.0	5.5	7.1	5.6	2.5	4.0	8.1	4.8	6.5
31	---	---	---	8.0	6.2	7.0	5.6	3.3	4.2	---	---	---
MONTH	11.5	1.7	7.5	10.0	1.5	6.1	7.8	2.5	4.9	8.3	3.0	5.5

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	7.4	7.2	7.2	7.6	7.3	7.2	7.4	7.2	7.3	7.4	7.2	7.1
2	7.4	7.2	7.3	7.6	7.3	7.2	7.4	7.2	7.3	7.4	7.1	7.1
3	7.4	7.2	7.3	7.6	7.4	7.2	7.4	7.2	7.3	7.4	7.2	7.3
4	7.5	7.2	7.3	7.6	7.4	7.3	7.4	7.2	7.3	7.4	7.2	7.3
5	7.5	7.2	7.3	7.6	7.4	7.3	7.3	7.2	7.2	7.5	7.2	7.3
6	7.5	7.2	7.3	7.6	7.4	7.2	7.3	7.2	7.2	7.4	7.2	7.3
7	7.5	7.2	7.3	7.6	7.3	7.4	7.3	7.2	7.2	7.4	7.2	7.3
8	7.5	7.2	7.3	7.5	7.3	7.4	7.3	7.2	7.2	7.5	7.2	7.3
9	7.5	7.3	7.3	7.5	7.4	7.4	7.3	7.2	7.2	7.5	7.2	7.3
10	7.6	7.2	7.4	7.5	7.3	---	7.3	7.2	7.3	7.4	7.2	7.3
11	7.5	7.3	7.4	7.6	7.4	---	7.4	7.2	7.3	7.4	7.2	7.3
12	7.5	7.3	7.4	7.6	7.4	7.5	7.3	7.2	7.3	7.4	7.2	7.3
13	7.5	7.2	7.3	7.5	7.4	7.4	7.3	7.2	7.2	7.4	7.2	7.3
14	7.5	7.3	7.3	7.6	7.4	7.4	7.4	7.2	7.2	7.4	7.2	7.3
15	7.5	7.2	7.3	7.6	7.4	7.4	7.3	7.2	7.2	7.5	7.2	7.3
16	7.4	7.3	7.2	7.6	7.4	7.4	7.3	7.2	7.2	7.4	7.2	7.3
17	7.5	7.3	7.3	7.6	7.4	7.3	7.3	7.1	7.2	7.3	7.1	7.2
18	7.5	7.2	7.2	7.6	7.4	7.4	7.3	7.1	7.2	7.3	7.1	7.2
19	7.5	7.2	7.2	7.6	7.4	7.4	7.3	7.1	7.2	7.3	7.1	7.2
20	7.5	7.3	7.3	7.6	7.4	7.3	7.4	7.2	7.2	7.4	7.2	7.2
21	7.5	7.3	7.3	7.5	7.3	7.3	7.4	7.2	7.2	7.3	7.2	7.2
22	7.5	7.3	7.3	7.5	7.3	7.3	7.4	7.2	7.2	7.4	7.2	7.3
23	7.4	7.3	7.3	7.5	7.3	7.3	7.4	7.2	7.2	7.4	7.1	7.2
24	7.5	7.3	7.3	7.6	7.4	7.3	7.4	7.2	7.2	7.3	7.1	7.2
25	7.5	7.3	7.3	7.5	7.4	7.2	7.4	7.2	7.2	7.3	7.1	7.2
26	7.6	7.3	7.3	7.5	7.0	7.2	7.4	7.2	7.2	7.4	7.1	7.2
27	7.5	7.3	7.3	7.3	7.1	7.2	7.4	7.2	7.2	7.3	7.1	7.2
28	7.5	7.3	7.3	7.4	7.2	7.2	7.5	7.3	7.3	7.4	7.2	7.2
29	7.6	7.3	7.3	7.4	7.2	7.2	7.4	7.2	7.2	7.4	7.2	7.3
30	7.5	7.3	7.3	7.4	7.1	7.2	7.4	7.1	7.2	7.4	7.1	7.2
31	7.6	7.3	7.2	---	---	---	7.4	7.2	7.2	7.4	7.1	7.2
MONTH	7.6	7.2	7.3	7.6	7.0	7.3	7.5	7.1	7.2	7.5	7.1	7.2
		FEBRUARY			MARCH			APRIL			MAY	
1	7.4	7.2	7.3	7.3	7.1	7.2	7.3	7.0	---	7.8	7.5	---
2	7.4	7.2	7.3	7.3	7.1	7.2	7.3	7.1	---	7.9	7.5	---
3	7.4	7.2	7.3	7.3	7.1	---	7.3	7.0	---	7.8	7.5	---
4	7.4	7.2	7.3	7.3	7.1	---	7.3	7.0	---	7.8	7.5	---
5	7.4	7.2	7.3	7.3	7.1	---	7.2	6.9	---	7.9	7.6	---
6	7.4	7.2	7.3	7.3	7.1	---	7.2	7.0	---	7.8	7.5	---
7	7.4	7.2	7.2	7.4	7.2	---	7.2	7.0	---	7.8	7.5	---
8	7.4	7.0	7.2	7.3	7.1	---	7.2	6.9	---	7.8	7.5	---
9	7.3	7.0	7.2	7.4	7.2	---	7.3	6.9	---	7.7	7.5	---
10	7.4	7.0	7.2	7.4	7.2	---	7.4	7.0	---	7.8	7.5	---
11	7.4	7.2	7.3	7.4	7.1	---	7.5	7.1	---	7.8	7.5	---
12	7.4	7.2	7.3	7.3	7.1	---	7.6	7.1	---	7.9	7.5	---
13	7.4	7.2	7.3	7.3	7.0	---	7.7	7.3	---	7.8	7.3	---
14	7.5	7.2	7.3	7.2	7.0	---	7.8	7.3	---	7.7	7.3	---
15	7.5	7.3	7.4	7.2	7.0	---	7.6	6.9	---	7.7	7.3	---
16	7.4	7.2	7.3	7.3	7.1	---	7.2	6.9	---	7.8	7.3	---
17	7.4	7.2	7.3	7.2	7.1	---	7.2	6.8	---	7.8	7.3	---
18	7.4	7.2	7.3	7.2	7.0	---	7.0	6.7	---	7.9	7.4	---
19	7.4	7.2	7.3	7.2	7.0	---	7.0	6.8	---	7.9	7.4	---
20	7.3	7.1	7.3	7.3	7.1	---	7.1	6.7	---	7.8	7.4	---
21	7.3	7.1	7.3	7.3	7.0	---	6.9	6.7	---	7.9	7.3	---
22	7.3	7.1	7.3	7.3	7.0	---	7.7	6.7	---	7.8	7.3	---
23	7.3	7.1	7.3	7.2	7.0	---	7.7	7.3	---	7.9	7.4	---
24	7.3	7.1	7.3	7.3	7.0	---	8.1	7.4	---	7.9	7.4	---
25	7.3	7.1	7.3	7.3	7.0	---	8.1	7.6	---	8.0	7.4	---
26	7.3	7.0	7.3	7.3	7.0	---	8.2	7.7	---	8.2	7.4	---
27	7.2	7.0	7.2	7.2	7.0	---	8.1	7.7	---	8.1	7.4	---
28	7.3	7.0	7.2	7.3	7.1	---	8.3	7.5	---	8.2	7.4	---
29	---	---	---	7.3	7.1	---	7.9	7.5	---	8.2	7.4	---
30	---	---	---	7.2	7.0	---	7.8	7.5	---	8.2	7.4	---
31	---	---	---	7.2	7.0	---	---	---	---	8.2	7.4	---
MONTH	7.5	7.0	7.3	7.4	7.0	7.2	8.3	6.7	---	8.2	7.3	---

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.2	7.4	---	8.1	7.6	---	7.8	7.4	---	7.5	7.2	---
2	8.2	7.4	---	8.0	7.6	---	7.6	7.4	---	7.5	7.2	---
3	8.2	7.4	---	8.1	7.5	---	7.6	7.4	---	7.6	7.2	---
4	8.3	7.4	---	8.0	7.5	---	7.6	7.4	---	7.6	7.2	---
5	8.3	7.4	---	7.8	7.5	---	7.6	7.4	---	7.5	7.2	---
6	8.2	7.4	---	7.9	7.5	---	7.6	7.4	---	7.6	7.2	---
7	8.2	7.4	---	7.9	7.5	---	7.5	7.4	---	7.6	7.2	---
8	8.3	7.4	---	8.0	7.5	---	7.5	7.3	---	7.6	7.3	---
9	8.2	7.5	---	7.9	7.5	---	7.5	7.3	---	7.6	7.3	---
10	8.1	7.5	---	7.9	7.5	---	7.6	7.3	---	7.5	7.3	---
11	8.2	7.4	---	7.9	7.5	---	7.6	7.3	---	7.6	7.3	---
12	8.1	7.4	---	7.9	7.5	---	7.6	7.3	---	7.5	7.3	---
13	---	---	---	7.9	7.5	---	7.5	7.2	---	7.6	7.3	---
14	8.0	7.4	---	7.9	7.5	---	7.4	7.2	---	7.6	7.3	---
15	8.1	7.4	---	8.0	7.5	---	7.4	7.2	---	7.7	7.3	---
16	8.1	7.4	---	7.9	7.5	---	7.4	7.2	---	7.6	7.3	---
17	8.1	7.4	---	7.8	7.5	---	7.4	7.2	---	7.7	7.3	---
18	8.1	7.4	---	7.9	7.5	---	7.5	7.2	---	7.8	7.4	---
19	8.0	7.3	---	7.9	7.5	---	7.5	7.2	---	7.8	7.3	---
20	8.0	7.3	---	7.9	7.5	---	7.5	7.2	---	7.9	7.4	---
21	7.9	7.3	---	7.9	7.5	---	7.5	7.2	---	7.8	7.4	---
22	7.9	7.3	---	8.0	7.5	---	7.5	7.2	---	7.8	7.3	---
23	7.6	7.2	---	8.0	7.5	---	7.5	7.2	---	7.8	7.4	---
24	7.5	7.3	---	7.9	7.6	---	7.5	7.2	---	7.8	7.4	---
25	7.6	7.2	---	7.9	7.5	---	7.5	7.2	---	7.7	7.4	---
26	7.8	7.2	---	7.9	7.6	---	7.5	7.2	---	7.9	7.4	---
27	8.0	7.5	---	7.9	7.6	---	7.5	7.2	---	7.9	7.4	---
28	7.9	7.5	---	7.9	7.6	---	7.5	7.2	---	7.9	7.5	---
29	8.0	7.6	---	7.9	7.6	---	7.4	7.2	---	8.0	7.5	---
30	8.0	7.6	---	8.1	7.6	---	7.4	7.1	---	7.9	7.5	---
31	---	---	---	7.9	7.5	---	7.4	7.1	---	---	---	---
MONTH	8.3	7.2	---	8.1	7.5	---	7.8	7.1	---	8.0	7.2	---

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1,690	1,360	1,540	2,000	1,710	1,930	1,750	1,590	1,660	2,300	1,580	1,930
2	1,630	1,510	1,570	2,000	1,850	1,920	1,720	1,440	1,640	2,230	1,370	2,010
3	1,670	1,510	1,590	2,070	1,850	1,940	1,780	1,610	1,700	2,050	1,630	1,940
4	1,740	1,580	1,660	2,230	1,910	2,070	1,790	1,650	1,720	2,040	1,900	1,960
5	1,890	1,690	1,780	2,170	1,700	2,090	1,830	1,700	1,760	1,980	1,820	1,910
6	1,830	1,730	1,780	2,130	1,310	1,960	1,800	1,680	1,740	1,960	1,680	1,900
7	1,780	1,660	1,720	2,070	1,680	1,830	1,800	1,660	1,710	1,910	1,680	1,860
8	1,700	1,620	1,670	1,840	1,640	1,750	1,740	1,630	1,670	1,940	1,820	1,890
9	1,750	1,600	1,670	1,890	1,730	1,820	1,740	1,590	1,650	1,920	1,830	1,880
10	1,740	1,650	1,690	1,920	1,800	1,860	1,750	1,550	1,660	1,980	1,800	1,890
11	1,760	1,580	1,690	1,930	1,580	1,860	1,730	1,590	1,660	1,980	1,740	1,920
12	1,810	1,640	1,720	1,880	1,490	1,830	1,760	1,610	1,680	1,940	1,840	1,890
13	1,800	1,700	1,750	1,900	1,490	1,820	1,840	1,650	1,740	1,880	1,810	1,850
14	1,700	1,620	1,660	1,820	1,680	1,770	1,810	1,660	1,740	1,860	1,770	1,820
15	1,710	1,240	1,600	1,830	1,690	1,760	1,850	1,710	1,770	1,830	1,750	1,800
16	1,840	1,500	1,720	1,810	1,450	1,730	1,800	1,670	1,730	1,850	1,740	1,800
17	1,810	1,710	1,760	1,820	766	1,610	1,990	1,650	1,830	1,830	1,740	1,780
18	1,880	1,340	1,750	1,770	1,300	1,630	2,070	1,770	1,940	1,920	1,760	1,830
19	1,820	1,100	1,650	1,760	817	1,450	2,040	1,830	1,920	1,870	1,770	1,810
20	1,830	1,640	1,730	1,790	1,170	1,650	1,970	1,820	1,900	1,820	1,700	1,750
21	1,820	1,660	1,740	1,760	1,320	1,650	2,050	1,710	1,970	1,800	1,640	1,720
22	1,780	1,510	1,630	1,810	1,250	1,660	2,040	1,880	1,960	1,800	1,530	1,720
23	1,780	1,540	1,670	1,840	1,340	1,640	2,000	1,820	1,910	1,810	1,320	1,670
24	1,900	1,380	1,700	1,800	1,560	1,710	2,010	1,870	1,940	1,840	1,620	1,770
25	1,880	1,580	1,770	1,760	1,050	1,580	2,060	1,840	1,950	1,850	1,710	1,780
26	2,000	1,520	1,810	1,840	1,220	1,660	2,060	1,870	1,960	1,860	1,710	1,770
27	1,930	1,560	1,780	1,820	1,680	1,740	2,100	1,810	1,990	1,830	1,710	1,760
28	1,890	1,650	1,790	1,820	1,660	1,730	2,110	1,910	2,000	1,740	1,670	1,700
29	1,880	1,680	1,790	1,810	1,620	1,710	2,120	1,880	2,010	1,800	1,680	1,740
30	2,050	1,730	1,940	1,760	1,550	1,650	2,170	1,920	2,060	1,850	1,730	1,780
31	2,030	1,940	1,990	---	---	---	2,230	2,020	2,130	1,880	1,350	1,660
MONTH	2,050	1,100	1,720	2,230	766	1,770	2,230	1,440	1,830	2,300	1,320	1,820
		FEBRUARY			MARCH			APRIL			MAY	
1	1,720	1,510	1,620	2,030	1,870	1,970	2,160	2,070	2,130	2,060	1,960	2,000
2	1,800	1,660	1,730	1,970	1,880	1,940	2,130	1,960	2,070	2,010	1,920	1,970
3	1,990	1,750	1,850	2,050	1,870	1,970	2,080	1,890	1,990	1,990	1,920	1,960
4	2,070	1,930	2,010	2,070	1,910	2,000	2,240	2,080	2,160	2,090	1,980	2,040
5	2,050	1,970	2,010	2,090	1,950	2,030	2,320	2,180	2,260	2,090	2,000	2,060
6	1,990	1,910	1,960	2,270	2,000	2,110	2,330	2,220	2,290	2,120	2,010	2,080
7	1,990	1,870	1,930	2,300	1,980	2,200	2,330	2,180	2,270	2,200	1,940	2,100
8	1,960	1,840	1,910	2,040	1,810	1,980	2,290	2,150	2,220	2,300	2,120	2,210
9	1,880	1,760	1,830	1,900	1,620	1,790	2,170	2,060	2,130	2,290	2,110	2,180
10	1,860	1,700	1,790	1,760	1,360	1,630	2,110	1,990	2,060	2,280	2,100	2,200
11	1,870	1,750	1,810	1,670	1,370	1,530	2,070	1,980	2,040	2,310	2,150	2,250
12	1,880	1,760	1,820	1,810	1,500	1,700	2,120	2,010	2,060	2,170	2,010	2,080
13	2,040	1,800	1,870	1,820	1,730	1,780	2,090	2,020	2,070	2,070	1,970	2,030
14	2,040	1,420	1,660	1,990	1,820	1,910	2,020	1,960	2,000	2,050	1,940	1,990
15	1,730	1,530	1,660	2,050	1,950	2,020	2,040	1,950	2,000	2,000	1,900	1,960
16	1,940	1,700	1,780	2,220	1,990	2,100	2,060	1,950	2,000	2,020	1,920	1,970
17	2,230	1,840	1,980	2,130	2,040	2,100	1,980	1,900	1,950	2,020	1,910	1,980
18	2,170	1,950	2,040	2,270	2,120	2,210	2,140	1,920	2,020	1,990	1,920	1,960
19	2,050	1,940	1,980	2,280	2,170	2,240	2,240	2,120	2,190	1,980	1,890	1,940
20	1,980	1,860	1,950	2,320	2,220	2,290	2,220	2,090	2,150	1,970	1,900	1,950
21	1,990	1,860	1,940	2,260	2,130	2,190	2,140	2,040	2,090	2,150	1,880	1,950
22	1,970	1,860	1,930	2,230	2,090	2,180	2,130	2,030	2,090	2,070	1,900	1,950
23	2,010	1,930	1,970	2,250	2,140	2,190	2,190	2,070	2,130	1,980	1,870	1,930
24	1,980	1,880	1,950	2,210	2,120	2,170	2,170	2,070	2,120	2,040	1,710	1,980
25	2,040	1,860	1,960	2,180	2,050	2,130	2,110	1,990	2,060	2,070	2,020	2,050
26	2,080	1,990	2,040	2,220	2,070	2,150	2,090	1,990	2,040	2,070	2,020	2,050
27	2,060	1,960	2,020	2,290	2,150	2,230	2,100	2,000	2,050	2,090	2,000	2,050
28	2,010	1,890	1,980	2,350	2,170	2,270	2,080	2,000	2,060	2,080	1,980	2,040
29	---	---	---	2,320	2,190	2,260	2,190	1,960	2,060	2,020	1,960	1,980
30	---	---	---	2,260	2,140	2,210	2,130	1,980	2,040	2,000	1,830	1,960
31	---	---	---	2,170	---	---	---	---	---	2,010	1,940	1,990
MONTH	2,230	1,420	1,890	2,350	1,360	2,050	2,330	1,890	2,090	2,310	1,710	2,030

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2,010	1,930	1,990	1,800	1,630	1,730	1,880	1,710	1,790	1,840	1,610	1,720
2	2,070	1,980	2,020	1,770	1,640	1,720	1,840	1,650	1,740	1,840	1,660	1,750
3	2,050	1,930	2,010	1,900	1,640	1,820	1,760	1,580	1,670	1,780	1,700	1,740
4	2,010	1,860	1,980	1,980	1,860	1,930	1,790	1,590	1,690	1,760	1,640	1,700
5	2,020	1,700	1,970	2,050	1,960	2,000	1,930	1,700	1,800	1,740	1,640	1,700
6	2,010	1,920	1,990	2,010	1,960	1,980	1,790	1,660	1,720	1,790	1,630	1,710
7	2,020	1,680	1,970	1,990	1,950	1,960	1,750	1,470	1,660	1,870	1,700	1,780
8	2,040	1,780	1,990	1,970	1,890	1,940	1,790	1,610	1,700	1,830	1,710	1,770
9	2,030	1,960	2,010	1,970	1,770	1,930	1,850	1,670	1,750	1,810	1,670	1,740
10	2,000	1,920	1,980	1,950	1,890	1,920	1,780	1,640	1,710	1,730	1,630	1,670
11	1,980	1,930	1,950	2,010	1,800	1,950	1,720	1,590	1,660	1,740	1,600	1,660
12	1,970	1,800	1,910	2,030	1,840	1,990	1,750	1,590	1,670	1,730	1,610	1,670
13	---	---	---	2,010	1,940	1,990	1,750	1,600	1,680	1,750	1,620	1,680
14	1,920	1,830	1,880	1,990	1,930	1,960	1,770	1,630	1,690	1,730	1,080	1,620
15	1,950	1,640	1,880	1,960	1,880	1,930	1,760	1,620	1,700	1,720	1,600	1,660
16	1,940	1,850	1,900	1,930	1,880	1,900	1,790	1,430	1,690	1,800	1,540	1,700
17	1,940	1,670	1,870	1,940	1,870	1,900	1,780	978	1,660	1,800	1,200	1,630
18	1,920	1,670	1,860	1,940	1,870	1,900	1,760	1,630	1,700	1,700	1,110	1,540
19	1,860	1,700	1,820	1,940	1,890	1,920	1,790	1,610	1,700	1,900	1,880	1,920
20	1,870	1,740	1,830	1,930	1,860	1,890	1,750	1,620	1,680	1,970	1,880	1,920
21	1,950	1,800	1,890	1,910	1,860	1,890	1,750	1,580	1,660	1,960	1,180	1,870
22	2,120	1,900	1,970	1,890	1,840	1,860	1,820	1,460	1,690	1,910	1,130	1,710
23	2,080	1,490	1,840	1,880	1,820	1,850	1,750	1,590	1,670	1,930	1,080	1,870
24	1,680	1,440	1,570	1,870	1,820	1,850	1,760	1,580	1,660	1,930	1,280	1,820
25	1,810	1,560	1,720	1,910	1,850	1,880	1,730	1,580	1,640	1,920	1,160	1,770
26	1,850	1,730	1,800	1,940	1,880	1,910	1,800	1,580	1,690	1,960	1,890	1,920
27	1,960	1,840	1,900	1,960	1,740	1,920	1,850	1,730	1,780	2,020	1,940	1,980
28	2,250	1,640	1,910	1,960	1,900	1,930	1,780	1,690	1,730	2,030	1,980	2,000
29	1,720	1,490	1,610	1,980	1,690	1,930	1,790	1,670	1,740	2,020	1,010	1,960
30	1,740	1,610	1,690	1,980	1,820	1,930	1,800	1,640	1,710	1,980	1,930	1,960
31	---	---	---	1,930	1,790	1,890	1,770	1,630	1,700	---	---	---
MONTH	2,250	1,440	1,890	2,050	1,630	1,910	1,930	978	1,700	2,030	1,010	1,770

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.3	14.0	14.8	11.9	8.5	10.3	11.8	10.5	11.0	12.4	8.7	10.3
2	14.6	13.4	14.0	11.6	8.9	10.1	11.5	9.6	10.5	11.6	4.4	9.4
3	14.5	11.7	13.5	11.4	8.8	10.2	11.1	9.3	10.1	12.2	8.6	11.0
4	15.2	13.4	14.4	11.6	8.7	10.3	11.0	9.3	10.1	11.9	9.3	10.8
5	15.6	13.5	14.6	11.9	9.0	10.4	11.3	9.5	10.3	11.7	9.7	10.8
6	16.2	13.2	14.7	12.1	9.0	10.6	10.9	8.0	9.7	11.6	8.1	10.3
7	16.3	12.9	14.6	11.4	9.0	10.5	10.8	8.3	9.9	11.0	7.6	9.6
8	15.7	12.8	14.3	11.5	9.8	10.9	10.8	7.9	9.8	10.7	6.4	9.0
9	15.6	12.8	14.1	11.5	10.7	11.1	10.7	8.0	9.6	10.1	5.6	8.6
10	15.1	12.4	13.9	11.6	10.1	10.8	10.6	8.0	9.4	9.9	6.8	8.8
11	14.8	13.0	13.9	11.9	10.3	10.9	10.2	9.0	9.9	10.1	8.6	9.3
12	14.8	11.4	13.3	11.3	9.4	10.4	10.7	9.3	10.0	10.3	8.6	9.4
13	14.6	11.5	13.2	10.8	9.9	10.5	10.7	8.5	9.9	10.6	7.6	9.1
14	14.5	11.7	13.2	11.7	10.1	10.6	10.8	9.7	10.4	10.4	7.8	9.1
15	14.6	11.2	13.2	11.3	9.4	10.4	11.2	9.2	10.3	10.2	7.8	9.0
16	14.8	12.0	13.2	11.2	9.3	10.3	10.7	9.2	10.1	9.6	6.3	8.3
17	14.7	11.5	13.2	11.2	9.7	10.3	10.9	8.8	10.0	9.8	6.7	8.5
18	14.6	11.0	13.0	11.1	9.0	10.1	10.7	7.6	9.6	9.7	6.1	8.4
19	14.4	11.0	12.9	11.0	9.4	10.1	10.6	8.1	9.2	10.1	6.4	8.7
20	14.2	11.1	12.8	11.3	9.1	10.2	9.5	6.3	8.4	10.6	6.2	9.1
21	14.0	10.9	12.5	11.7	9.4	10.6	10.1	7.7	9.0	10.8	6.7	9.4
22	13.9	12.1	12.9	11.9	9.6	10.7	10.7	7.6	9.2	11.2	8.0	10.1
23	13.7	12.4	13.1	11.7	10.2	11.0	10.3	7.2	9.1	11.6	10.0	10.8
24	14.0	11.2	12.6	11.6	10.5	11.0	10.7	7.4	9.3	11.5	10.3	10.9
25	13.8	10.8	12.6	11.2	9.3	10.3	10.7	7.7	9.2	11.4	10.2	10.9
26	14.0	11.6	12.7	11.8	8.9	9.8	10.6	6.4	9.4	12.1	10.1	11.1
27	14.1	12.1	12.9	10.6	8.5	9.7	11.6	8.7	10.5	11.4	10.1	10.5
28	13.1	11.1	12.2	11.0	9.2	10.2	11.9	6.8	10.6	10.3	5.6	8.5
29	13.1	10.4	11.8	11.2	9.3	10.4	11.6	8.1	10.3	9.7	7.3	8.5
30	12.7	10.7	11.5	11.5	9.5	10.6	11.7	3.2	9.9	10.3	8.1	8.9
31	12.1	9.8	10.9	---	---	---	11.3	6.3	9.7	9.8	3.6	6.8
MONTH	16.3	9.8	13.2	12.1	8.5	10.4	11.9	3.2	9.8	12.4	3.6	9.5
		FEBRUARY			MARCH			APRIL			MAY	
1	9.1	6.2	7.3	8.9	6.4	7.6	11.1	7.6	9.1	13.1	5.6	9.2
2	8.5	6.3	7.6	9.5	6.6	7.9	8.5	6.4	7.2	12.0	4.4	8.6
3	9.1	4.9	7.0	9.2	6.2	7.5	8.9	4.8	6.9	11.7	6.8	9.0
4	8.4	6.2	7.1	8.1	5.3	6.8	8.7	3.5	6.5	10.9	6.6	8.4
5	8.5	5.6	7.0	8.0	5.6	6.8	7.7	4.5	6.2	12.3	3.5	8.0
6	8.4	5.4	6.9	7.8	5.0	6.3	8.3	4.3	6.3	12.4	5.2	9.0
7	8.4	5.4	6.9	6.3	3.9	5.0	10.3	4.6	7.3	11.3	8.4	9.6
8	8.6	4.4	6.9	7.7	3.8	5.4	11.2	5.1	8.3	11.9	7.0	9.3
9	8.8	6.6	7.6	6.9	3.5	4.7	12.3	5.3	9.1	9.5	6.7	8.2
10	9.1	6.1	7.7	6.3	3.4	4.5	12.3	7.4	9.8	11.7	5.7	8.6
11	9.0	6.6	7.9	8.1	2.7	5.7	12.6	7.8	10.2	12.5	6.5	9.5
12	9.3	6.6	8.0	9.2	4.1	7.0	12.8	8.6	10.2	13.8	7.8	10.8
13	9.3	4.0	7.1	11.1	6.8	8.9	13.3	8.0	10.4	15.3	9.5	12.1
14	6.6	2.8	4.1	10.0	7.7	8.8	12.1	8.9	10.4	14.1	9.7	12.0
15	6.5	3.3	4.5	8.8	6.4	7.7	11.0	9.0	9.7	15.1	11.1	12.6
16	8.2	3.8	6.3	7.6	4.4	6.3	11.5	5.5	8.9	15.8	10.3	12.9
17	7.4	3.7	5.7	5.8	3.7	5.0	10.9	7.7	9.2	13.7	10.2	11.9
18	7.8	5.0	6.1	6.3	3.5	5.2	10.5	6.1	8.5	15.9	8.0	11.5
19	8.7	5.7	6.9	8.0	4.4	6.4	11.1	6.7	8.8	14.9	7.2	10.9
20	9.2	6.2	7.5	9.8	5.2	7.4	12.4	6.7	9.5	15.3	7.5	11.2
21	9.4	6.4	7.8	10.2	5.6	8.1	12.5	8.2	10.1	15.0	8.3	11.7
22	9.2	6.5	7.7	11.4	7.2	9.0	11.2	8.6	9.7	18.8	8.3	13.3
23	9.1	6.4	7.7	9.8	7.9	8.8	11.4	7.3	9.4	18.9	9.7	13.6
24	8.7	5.9	7.2	10.4	6.7	8.6	12.8	7.9	10.2	16.4	10.6	13.1
25	8.5	6.0	7.3	10.7	6.1	8.6	13.1	8.4	10.6	16.6	10.5	13.7
26	9.4	6.4	7.7	9.5	5.4	7.8	12.3	8.8	10.2	16.9	12.0	14.2
27	9.5	6.3	7.7	7.8	4.3	6.0	11.3	8.2	9.5	18.0	11.6	14.6
28	9.6	6.1	7.5	9.3	4.7	7.0	12.5	8.0	9.8	17.9	11.9	14.7
29	---	---	---	9.7	5.0	7.2	13.9	8.3	10.2	17.9	12.5	14.8
30	---	---	---	10.3	5.0	7.6	12.9	7.0	9.6	18.0	13.1	15.2
31	---	---	---	11.1	6.5	8.8	---	---	---	18.3	13.1	15.5
MONTH	9.6	2.8	7.0	11.4	2.7	7.0	13.9	3.5	9.1	18.9	3.5	11.5

10129900 SILVER CREEK NEAR SILVER CREEK JUNCTION, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.9	13.3	15.5	20.0	15.6	17.4	21.6	16.4	18.0	19.6	16.8	18.1
2	17.5	12.0	14.7	20.7	14.1	17.2	19.2	17.3	18.2	20.1	17.5	18.5
3	17.3	11.5	14.3	18.4	14.2	16.0	19.8	17.8	18.6	20.3	16.8	18.2
4	16.9	10.9	13.8	18.7	13.1	15.6	19.7	17.6	18.5	19.6	16.3	18.0
5	17.2	11.2	14.0	18.7	13.1	15.4	19.4	17.0	18.2	19.7	17.4	18.3
6	16.7	10.8	13.9	19.3	13.5	15.9	19.3	17.5	18.3	19.3	17.4	18.1
7	17.0	11.9	14.2	19.3	13.9	16.5	19.9	17.7	18.5	19.7	16.6	17.9
8	17.2	11.1	14.2	19.0	14.8	16.5	19.9	17.8	18.7	18.8	16.8	17.5
9	16.8	12.9	14.2	18.9	13.5	16.1	20.0	18.2	19.0	17.9	16.3	16.8
10	16.9	12.5	14.3	19.2	13.2	16.2	20.1	18.0	19.0	17.4	15.8	16.5
11	17.7	12.3	14.8	19.0	14.4	16.6	20.4	18.0	19.1	17.8	15.1	16.2
12	17.6	13.1	14.5	19.4	14.6	16.9	20.1	18.2	19.0	17.7	14.9	16.0
13	---	---	---	19.5	14.8	17.0	20.7	18.4	19.4	17.5	14.4	15.8
14	18.0	11.9	15.1	20.7	14.5	17.1	20.7	18.1	19.1	17.4	13.7	15.5
15	17.9	12.8	15.3	19.8	15.4	17.3	20.7	18.0	19.2	17.5	14.0	15.7
16	17.9	12.4	14.9	19.7	15.9	17.5	20.0	18.4	19.2	17.5	15.3	16.3
17	18.3	13.0	14.9	19.8	16.0	17.6	20.1	17.8	18.9	16.1	12.6	15.0
18	18.0	12.8	15.0	20.4	16.5	18.0	19.6	16.9	18.3	15.4	9.4	12.6
19	17.5	13.5	15.0	20.1	16.0	18.0	19.6	16.8	18.2	16.2	10.7	13.2
20	16.9	13.3	14.9	19.9	16.5	18.1	19.8	17.0	18.3	15.9	11.0	13.3
21	16.6	13.5	14.5	20.1	16.0	18.0	20.1	17.7	18.8	15.9	10.8	13.2
22	17.7	12.5	14.8	20.4	16.0	17.8	20.6	18.3	19.0	16.3	10.6	13.2
23	13.6	10.1	12.1	20.9	15.7	17.7	20.5	17.9	19.1	16.4	10.7	13.3
24	12.0	8.1	10.0	20.1	16.1	17.9	20.1	17.8	19.0	16.6	10.8	13.3
25	16.7	8.6	12.5	20.1	16.8	18.1	20.5	17.5	18.9	16.2	10.3	13.1
26	19.8	8.9	14.0	20.4	16.8	18.4	20.1	17.2	18.5	16.1	10.8	13.3
27	17.8	11.4	14.6	20.4	16.0	18.1	20.1	17.8	18.8	16.6	11.3	13.7
28	19.5	12.5	16.1	19.7	16.2	17.7	19.9	16.5	18.2	16.7	11.7	13.8
29	20.9	14.5	17.8	19.8	15.3	17.5	19.6	17.5	18.2	16.6	11.2	13.7
30	20.7	16.8	18.3	25.7	15.3	18.3	19.5	17.0	18.2	16.9	11.5	13.8
31	---	---	---	20.6	15.7	17.2	19.7	16.6	18.1	---	---	---
MONTH	20.9	8.1	14.6	25.7	13.1	17.2	21.6	16.4	18.7	20.3	9.4	15.4

10130500 WEBER RIVER NEAR COALVILLE, UT

LOCATION.--Lat 40°53'43", long 111°24'04", in NE¼SW¼NE¼ sec. 20, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 1.2 mi upstream from high-water line of Echo Reservoir, 1.4 mi south of Coalville, 1.7 mi upstream from Chalk Creek, and 5.5 mi downstream from Silver Creek.

DRAINAGE AREA.--435 mi^2.

PERIOD OF RECORD.--April 1927 to current year.

REVISED RECORDS.--WSP 1314: 1943(M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,600 ft above NGVD of 1929, from topographic map. Prior to March 22, 1931, nonrecording gage, March 22, 1931 to July 18, 1967, water-stage recorder at same site at different datum.

REMARKS.--Records good except for estimated daily values, which are fair. Many diversions for irrigation above station. No diversion between station and Echo Reservoir. Records do not include water diverted from Weber River basin through Weber-Provo diversion canal. Flow regulated by several small reservoirs above station, and since April 1, 1957, by Rockport Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,190 ft^3/s, May 6, 1952; maximum gage height, 5.08 ft (present datum), May 29, 1951; minimum, 6 ft^3/s, Sep 20, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 216 ft^3/s, Sep 11, gage height, 2.60 ft; minimum daily discharge, 22 ft^3/s, May 3.

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	88	44	42	e43	e44	e40	42	26	116	143	163	144
2	103	42	42	e42	e44	e39	42	25	124	154	162	142
3	66	41	41	e43	e44	e39	42	22	117	164	164	142
4	61	40	41	e42	e44	38	40	23	119	162	163	141
5	58	40	41	e42	e45	38	40	28	125	150	161	146
6	56	40	41	e42	e45	38	41	25	124	150	159	161
7	53	40	41	e43	e44	38	40	23	123	146	157	179
8	48	45	41	e44	e44	38	40	25	123	151	166	184
9	40	50	43	e43	e44	40	38	25	123	153	158	202
10	41	47	48	e44	e43	40	41	29	123	151	150	213
11	39	45	39	e44	e44	43	45	32	127	147	155	209
12	40	44	38	e43	e44	44	49	31	134	147	156	196
13	41	44	39	e43	e43	41	49	27	149	149	162	195
14	41	44	38	e43	e44	41	50	23	149	154	163	195
15	43	44	38	e42	e43	41	51	38	146	151	165	192
16	44	44	38	e42	e44	47	47	57	147	154	173	191
17	43	43	39	e43	e43	49	46	52	148	161	169	198
18	42	42	39	e43	e43	48	47	55	148	175	164	201
19	42	42	38	e42	e44	47	43	54	142	166	158	200
20	43	42	e41	e43	e43	46	38	53	142	168	155	196
21	43	42	e42	e44	e42	45	37	55	154	164	153	196
22	42	42	e41	e44	e41	43	38	53	161	150	151	195
23	44	42	e43	e44	e41	42	39	47	182	153	151	193
24	46	42	e42	e45	e41	41	36	48	193	147	144	189
25	44	43	e44	e45	e41	40	36	50	185	152	149	181
26	43	41	e44	e45	e40	41	39	46	181	148	144	183
27	42	42	e45	e45	e40	44	36	76	170	149	145	189
28	42	41	e45	e43	e40	42	31	122	167	162	151	200
29	42	42	e45	e42	---	42	26	125	166	151	161	201
30	42	41	e44	e43	---	41	27	116	156	156	164	194
31	43	---	e44	e44	---	40	---	120	---	162	156	---
TOTAL	1,505	1,281	1,287	1,340	1,202	1,296	1,216	1,531	4,364	4,790	4,892	5,548
MEAN	48.5	42.7	41.5	43.2	42.9	41.8	40.5	49.4	145	155	158	185
MAX	103	50	48	45	45	49	51	125	193	175	173	213
MIN	39	40	38	42	40	38	26	22	116	143	144	141
AC-FT	2,990	2,540	2,550	2,660	2,380	2,570	2,410	3,040	8,660	9,500	9,700	11,000

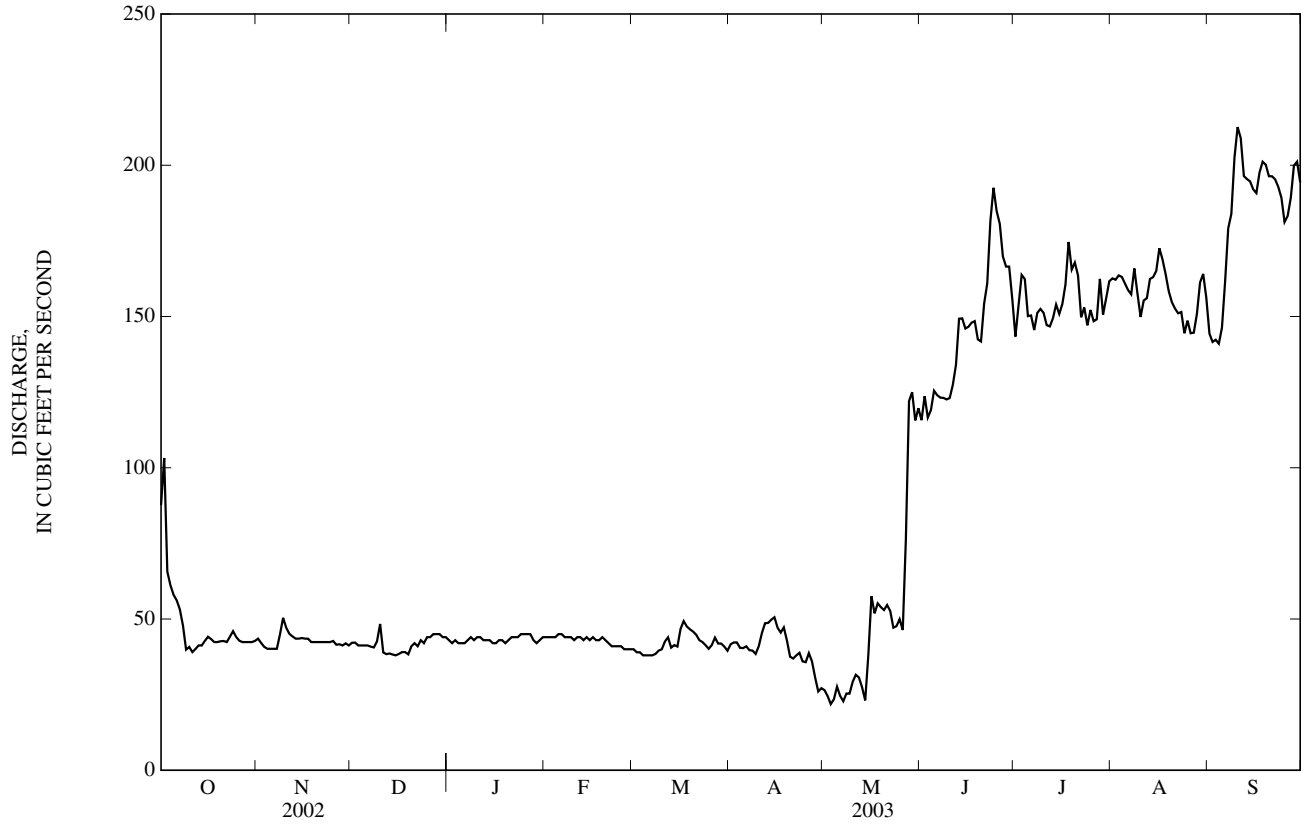
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	169	149	142	128	129	158	196	316	542	274	183	175
MAX	397	246	400	397	307	615	760	994	1,550	815	346	277
(WY)	(1985)	(1986)	(1984)	(1984)	(1985)	(1986)	(1986)	(1986)	(1983)	(1995)	(1983)	(1958)
MIN	26.8	32.0	27.9	23.5	28.1	27.5	31.4	44.3	96.8	89.7	40.6	43.6
(WY)	(1993)	(1962)	(1978)	(1978)	(1981)	(1981)	(1981)	(1959)	(1977)	(1958)	(1961)	(1960)

10130500 WEBER RIVER NEAR COALVILLE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	31,062		30,252			
ANNUAL MEAN	85.1		82.9		213	
HIGHEST ANNUAL MEAN					485	1986
LOWEST ANNUAL MEAN					71.1	1961
HIGHEST DAILY MEAN	210	Jul 25	213	Sep 10	1,860	Jun 12, 1983
LOWEST DAILY MEAN	38	Dec 12	22	May 3	7.0	Apr 20, 1977
ANNUAL SEVEN-DAY MINIMUM	38	Dec 11	24	May 2	15	May 2, 1961
ANNUAL RUNOFF (AC-FT)	61,610		60,000		154,700	
10 PERCENT EXCEEDS	175		166		364	
50 PERCENT EXCEEDS	58		44		172	
90 PERCENT EXCEEDS	42		39		44	

e Estimated



10131000 CHALK CREEK AT COALVILLE, UT

LOCATION.--Lat 40°55'14", long 111°24'03", in NW¼NE¼SE¼ sec. 8, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 100 ft downstream from bridge on U.S. Highway 189 in Coalville and 0.3 mi upstream from mouth.

DRAINAGE AREA.--250 mi^2.

PERIOD OF RECORD.--November 1904, March to November 1905, April 1927 to current year.

REVISED RECORDS.--WSP 1564: 1929. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 5,557.6 feet above NGVD of 1929. Prior to February 13, 1931, nonrecording gage at site 100 ft upstream at different datum. February 13, 1931 to October 15, 1941, water-stage recorder at site 300 ft upstream at different datum. October 16, 1941 to September 30, 1987 at datum 3.0 ft lower.

REMARKS.--Records good. Diversions above station used for irrigation of land in the drainage basin above the station. Flow slightly affected by Chalk Creek Reservoir, capacity, 1,600 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,790 ft^3/s, May 22, 1993, gage height, 6.89 ft; minimum, less than 1.0 ft^3/s for several days in 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	0730	*261	*4.31				

Minimum discharge, 3.5 ft^3/s, Aug 1.

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	18	13	19	14	e18	e16	32	98	131	31	4.5	13
2	31	12	15	10	e15	e15	38	82	118	21	4.3	10
3	22	12	14	15	e15	e17	34	82	100	21	5.6	7.4
4	19	12	17	14	e13	19	27	98	83	19	7.3	7.4
5	19	15	17	15	e14	17	32	105	74	19	5.9	9.8
6	19	17	13	14	e15	19	30	89	66	17	6.9	9.1
7	19	17	13	9.7	e13	18	28	80	56	14	6.0	9.5
8	20	22	9.6	11	e14	18	27	92	48	13	7.8	8.7
9	21	26	8.2	12	e16	21	31	96	45	12	9.1	9.3
10	20	22	11	13	e14	24	37	110	47	11	8.1	13
11	17	20	15	14	e17	37	45	116	47	12	8.9	16
12	17	15	17	14	e15	80	56	112	42	8.5	6.9	15
13	17	19	13	14	e16	113	62	115	45	6.7	7.1	13
14	17	17	16	14	e14	138	76	133	42	6.7	5.3	12
15	17	17	18	14	e16	84	82	167	40	6.1	10	12
16	17	14	11	9.9	e15	65	71	201	35	5.3	7.0	10
17	17	17	16	13	e13	50	63	232	35	6.5	12	10
18	17	18	14	12	e14	39	68	223	32	12	10	11
19	17	16	10	12	e14	34	72	236	33	8.5	8.4	11
20	17	17	12	12	e16	32	65	200	35	11	7.8	9.9
21	17	18	14	13	e13	30	61	191	38	20	8.2	9.9
22	17	17	15	14	e14	28	69	191	56	9.1	13	9.9
23	18	18	10	15	e15	34	73	209	86	5.6	14	10
24	20	18	9.4	15	e16	37	64	208	125	6.7	13	10
25	20	15	9.8	15	e15	30	71	179	115	24	16	8.8
26	19	9.6	11	15	e16	28	105	182	95	14	13	8.9
27	20	12	13	17	e18	29	97	180	72	12	12	8.7
28	19	18	14	e16	e14	28	91	170	62	9.3	11	7.8
29	18	16	15	e17	---	24	101	169	52	7.1	10	8.4
30	16	16	14	e15	---	27	107	161	43	5.4	14	7.5
31	14	---	15	e17	---	28	---	149	---	4.8	14	---
TOTAL	576	495.6	419.0	425.6	418	1,179	1,815	4,656	1,898	379.3	287.1	307.0
MEAN	18.6	16.5	13.5	13.7	14.9	38.0	60.5	150	63.3	12.2	9.26	10.2
MAX	31	26	19	17	18	138	107	236	131	31	16	16
MIN	14	9.6	8.2	9.7	13	15	27	80	32	4.8	4.3	7.4
AC-FT	1,140	983	831	844	829	2,340	3,600	9,240	3,760	752	569	609

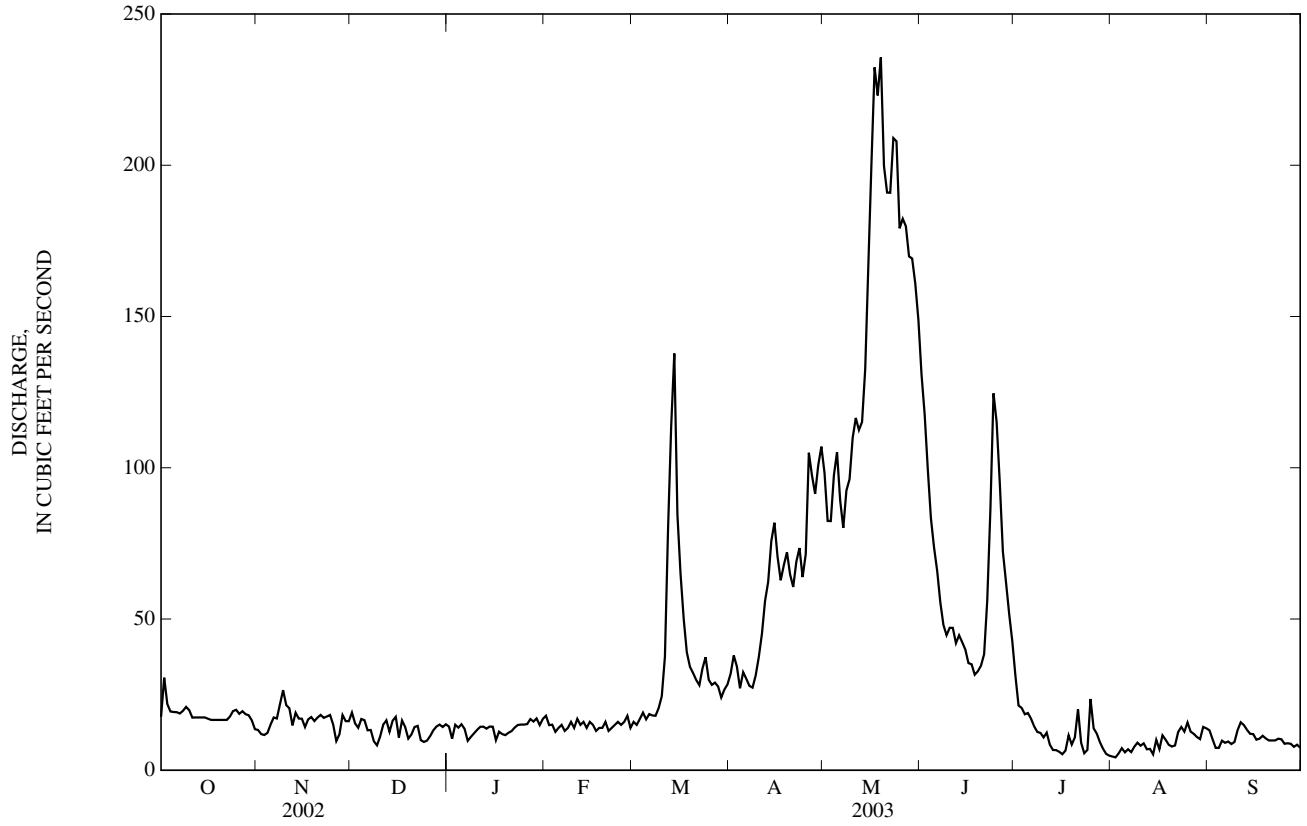
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2003, BY WATER YEAR (WY)

MEAN	21.8	23.9	21.1	20.8	23.7	40.5	116	279	176	47.1	23.6	21.5
MAX	66.7	60.3	54.2	49.8	94.6	168	378	775	812	194	89.9	69.2
(WY)	(1983)	(1985)	(1984)	(1984)	(1986)	(1986)	(1986)	(1986)	(1983)	(1983)	(1984)	(1983)
MIN	1.00	4.57	8.52	8.93	11.6	15.9	13.7	6.90	1.70	1.55	1.48	1.00
(WY)	(1935)	(1935)	(1940)	(1961)	(1940)	(1964)	(1934)	(1934)	(1934)	(1934)	(1934)	(1934)

10131000 CHALK CREEK AT COALVILLE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1928 - 2003	
ANNUAL TOTAL	12,067.8		12,855.6			
ANNUAL MEAN	33.1		35.2		68.1	
HIGHEST ANNUAL MEAN					197	1986
LOWEST ANNUAL MEAN					8.66	1934
HIGHEST DAILY MEAN	196	May 21	236	May 19	1,420	May 22, 1993
LOWEST DAILY MEAN	2.7	Aug 16	4.3	Aug 2	1.0	Jun 8, 1934
ANNUAL SEVEN-DAY MINIMUM	2.8	Aug 13	5.4	Jul 30	1.0	Aug 19, 1934
ANNUAL RUNOFF (AC-FT)	23,940		25,500		49,330	
10 PERCENT EXCEEDS	99		96		181	
50 PERCENT EXCEEDS	17		17		26	
90 PERCENT EXCEEDS	4.0		8.8		10	

e Estimated



10132000 WEBER RIVER AT ECHO, UT

LOCATION.--Lat 40°58'04", long 111°26'13", in NE¼SE¼NE¼ sec. 25, T. 3 N., R. 4 E., Summit County, Hydrologic Unit 16020101, on right bank 0.5 mi downstream from Echo Dam, 150 yards upstream from Echo Creek, 0.75 mi southeast of Echo.

DRAINAGE AREA.--727 mi^2.

PERIOD OF RECORD.--April 1927 to September 1960, October 1988 to current year. Monthly discharge only October 1958 to September 1960, published in WSP 1734.

GAGE.--Water-stage recorder. Elevation of gage is 5,440 ft above NGVD of 1929, from Echo Reservoir elevations. Prior to April 18, 1931, staff gage at site 0.3 mi upstream at different datum. April 18, 1931 to March 23, 1950, water-stage recorder at site 0.1 mi downstream at different datum. March 24, 1950 to September 30, 1960 water-stage recorder at site 0.25 mi upstream at different datum.

REMARKS.--Records good except for estimated days, which are fair. Flow regulated by Echo Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,060 ft^3/s, May 13, 1952, gage height 7.34 ft, datum then in use; minimum discharge, 0.15 ft^3/s, Jan 3, 4, 1991.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 437 ft^3/s, Aug 8; minimum daily discharge, 0.92 ft^3/s, Oct 31.

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	124	e0.93	e1.0	e1.0	e1.2	e1.0	1.1	1.4	e302	337	406	320
2	e74	e0.94	e1.0	e1.1	e1.1	e0.97	1.1	1.5	310	369	411	335
3	e48	e0.96	e1.0	e1.1	e1.1	e0.97	1.3	1.4	e293	385	368	376
4	e35	e0.95	e1.0	e1.1	e1.1	e1.0	1.2	1.5	e300	377	346	397
5	24	e0.96	e1.1	e1.1	e1.1	e1.1	1.2	1.5	e291	369	327	371
6	31	e0.97	e1.1	e1.1	e1.1	e1.1	1.2	1.5	e300	361	359	356
7	67	e0.93	e1.0	e1.1	e1.1	e1.1	1.1	1.5	e293	366	387	362
8	67	e0.93	e1.1	e1.1	e1.1	e1.1	e1.1	1.5	e296	363	437	380
9	67	e0.93	e1.1	e0.97	e1.1	e1.1	e1.1	1.5	e288	380	432	399
10	62	e0.95	e1.1	e1.1	e1.1	e1.1	e1.1	1.6	e284	385	410	379
11	62	e0.96	e1.1	e1.1	e1.0	e1.1	e1.2	1.5	282	365	394	341
12	69	e0.97	e1.1	e1.1	e1.1	e1.1	e1.2	1.5	281	359	380	329
13	83	e0.97	e1.1	e1.1	e1.1	e1.1	e1.2	1.5	335	356	384	336
14	50	e0.97	e1.1	e1.1	e1.1	e1.1	e1.2	1.5	315	375	387	342
15	0.97	e0.97	e1.0	e1.1	e1.1	e1.1	e1.2	1.5	297	383	383	330
16	e0.93	e0.93	e1.1	e1.1	e1.1	e1.1	1.3	1.5	289	366	370	337
17	e1.0	e0.95	e1.0	e1.1	e0.97	e1.1	1.4	1.8	285	388	383	350
18	e0.97	e0.93	e1.1	e1.1	e1.0	e1.2	1.4	1.6	321	393	384	309
19	e1.0	e0.94	e1.1	e1.1	e1.1	e1.1	1.4	1.8	319	388	385	288
20	e0.99	e0.93	e1.1	e1.1	e0.93	e1.2	1.4	102	338	387	400	284
21	e1.0	e0.97	e1.0	e1.1	e1.0	e1.2	1.4	186	325	359	407	288
22	e1.1	e0.97	e1.1	e1.1	e0.97	e1.2	1.4	177	274	374	382	309
23	e0.97	e0.97	e1.1	e1.1	e1.0	e1.2	1.4	198	216	403	342	323
24	e1.1	e1.0	e0.97	e1.1	e0.97	e1.1	1.4	237	136	400	320	347
25	e1.0	e0.97	e1.1	e1.0	e1.0	1.1	1.4	215	106	372	337	363
26	e0.98	e1.0	e1.1	e1.1	e1.0	1.2	1.4	214	117	352	341	349
27	e0.97	e1.0	e1.1	e1.2	e1.0	1.1	1.4	e211	181	291	352	362
28	e0.96	e0.97	e1.1	e1.1	e0.97	1.1	1.4	e223	262	311	346	369
29	e0.95	e0.97	e1.0	e1.2	---	1.1	1.4	e242	314	353	335	373
30	e0.93	e1.0	e1.0	e1.1	---	1.1	1.4	e251	302	401	321	353
31	e0.92	---	e1.1	e1.1	---	1.1	---	e274	---	415	304	---
TOTAL	879.74	28.79	32.97	33.97	29.51	34.24	38.4	2,559.1	8,252	11,483	11,520	10,357
MEAN	28.4	0.96	1.06	1.10	1.05	1.10	1.28	82.6	275	370	372	345
MAX	124	1.0	1.1	1.2	1.2	1.2	1.4	274	338	415	437	399
MIN	0.92	0.93	0.97	0.97	0.93	0.97	1.1	1.4	106	291	304	284
AC-FT	1,740	57	65	67	59	68	76	5,080	16,370	22,780	22,850	20,540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932-58, 1989-2003, BY WATER YEAR (WY)

MEAN	117	88.6	85.2	89.4	105	112	171	505	699	499	425	285
MAX	297	183	247	296	547	560	580	2,158	1,682	1,037	597	492
(WY)	(1994)	(1939)	(1999)	(1997)	(1997)	(1996)	(1998)	(1952)	(1950)	(1995)	(1990)	(1993)
MIN	0.45	0.43	0.29	0.43	0.42	0.75	1.12	27.2	235	176	97.4	23.0
(WY)	(1993)	(1993)	(1993)	(1955)	(1993)	(1993)	(1955)	(1991)	(1934)	(1934)	(1934)	(1934)

10132000 WEBER RIVER AT ECHO, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1932-58 1989-2003	
ANNUAL TOTAL	38,518.09		45,248.72			
ANNUAL MEAN	106		124		266	
HIGHEST ANNUAL MEAN					566	1952
LOWEST ANNUAL MEAN					108	1934
HIGHEST DAILY MEAN	544	Aug 1	437	Aug 8	3,010	May 7, 1952
LOWEST DAILY MEAN	0.92	Oct 31	0.92	Oct 31	0.17	Jan 3, 1991
ANNUAL SEVEN-DAY MINIMUM	0.93	Jan 17	0.94	Oct 29	0.19	Dec 6, 1992
ANNUAL RUNOFF (AC-FT)	76,400		89,750		192,600	
10 PERCENT EXCEEDS	384		374		582	
50 PERCENT EXCEEDS	1.2		1.3		164	
90 PERCENT EXCEEDS	0.96		0.97		1.2	

e Estimated

10132500 LOST CREEK NEAR CROYDON, UT

LOCATION.--Lat 41°10'35", long 111°24'20", in NW¼NW¼SE¼ sec. 8, T. 5 N., R. 5 E., Morgan County, Hydrologic Unit 16020101, on right bank 1,200 ft downstream from Lost Creek Dam, 1.9 mi upstream from Hell Canyon, 9.5 mi northeast of Croydon.

DRAINAGE AREA.--123 mi^2.

PERIOD OF RECORD.--February 1921 to December 1923, April 1941 to September 1967, October 1999 to current year. Published as miscellaneous measurements 1988 to 1999.

GAGE.--Water stage recorder. Elevation of gage is 5,820 ft. Prior to August 26, 1954 to June 7, 1966 at various sites 1,000 ft downstream at different datums. Gage established at current datum June 1966.

REMARKS.--Records good. Lost Creek Reservoir completed January, 1967. Active reservoir storage began April 22, 1967.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 770 ft^3/s, May 10, 11, 18, 1923, gage height, 4.20 ft; minimum, no flow on April 13-19, 1999.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 76 ft^3/s, Jul 24; minimum daily discharge, 7.9 ft^3/s, many days during the year.

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	16	9.5	7.9	e8.0	e8.0	e8.0	8.3	7.9	26	37	38	20
2	15	9.5	7.9	e8.0	e8.0	e7.9	8.3	7.9	26	41	34	20
3	14	9.5	7.9	e8.0	e8.1	e7.9	8.3	7.9	26	44	34	20
4	14	9.5	7.9	e8.0	e8.0	e7.9	8.3	7.9	34	36	23	20
5	14	9.5	7.9	e8.0	e8.0	e7.9	8.3	7.9	38	35	14	20
6	14	9.0	7.9	e8.0	e8.0	e8.0	8.3	7.9	38	35	15	20
7	12	8.3	7.9	e8.0	e8.0	e7.9	8.3	7.9	38	36	15	20
8	10	8.3	7.9	e7.9	e8.1	7.9	8.3	7.9	44	37	15	19
9	10	8.3	7.9	e7.9	e8.0	8.1	8.1	7.9	48	39	15	18
10	10	8.3	7.9	e8.0	e8.1	8.3	8.2	7.9	48	39	15	18
11	17	8.3	7.9	e8.0	e8.0	8.3	8.3	7.9	48	38	15	18
12	27	8.3	7.9	e7.9	e8.0	8.3	8.3	7.9	43	37	15	26
13	27	8.3	7.9	e7.9	e8.1	8.3	8.3	7.9	40	37	19	30
14	27	7.9	7.9	e8.0	e8.0	8.3	8.3	7.9	40	42	28	23
15	18	7.9	7.9	e8.0	e8.0	8.3	8.3	7.9	40	49	28	17
16	10	7.9	e7.9	e7.9	e8.0	8.3	8.2	7.9	40	44	28	17
17	10	7.9	e7.9	e8.0	e8.0	8.3	7.9	7.9	40	37	29	17
18	10	7.9	7.9	e8.0	e8.0	8.3	7.9	7.9	40	37	25	17
19	10	7.9	7.9	e8.0	e8.0	8.3	7.9	8.0	41	36	21	17
20	10	7.9	7.9	e8.0	e8.0	8.3	7.9	8.1	41	36	21	17
21	9.7	7.9	7.9	e8.0	e8.0	8.4	7.9	8.4	42	40	21	17
22	9.5	7.9	7.9	e8.0	e8.0	8.6	7.9	8.4	54	44	28	17
23	9.5	7.9	7.9	e8.0	e8.0	8.7	7.9	8.5	47	65	35	17
24	9.5	7.9	7.9	e8.0	e8.0	8.7	7.9	19	38	76	32	17
25	9.5	7.9	7.9	e8.0	e8.0	8.7	7.9	26	38	73	19	17
26	9.5	7.9	7.9	e8.0	e8.1	8.7	7.9	25	38	41	19	17
27	9.5	7.9	e7.9	e7.9	e8.0	8.7	7.9	25	38	20	19	17
28	9.5	7.9	e7.9	e8.0	e8.0	8.7	7.9	25	38	20	19	17
29	9.5	7.9	e7.9	e8.0	---	8.7	7.9	25	38	19	20	17
30	9.5	7.9	e8.0	e8.0	---	8.3	7.9	26	38	25	20	18
31	9.5	---	e7.9	e8.0	---	8.3	---	26	---	37	20	---
TOTAL	399.7	248.9	245.0	247.4	224.5	257.3	243.0	380.6	1,188	1,232	699	565
MEAN	12.9	8.30	7.90	7.98	8.02	8.30	8.10	12.3	39.6	39.7	22.5	18.8
MAX	27	9.5	8.0	8.0	8.1	8.7	8.3	26	54	76	38	30
MIN	9.5	7.9	7.9	7.9	8.0	7.9	7.9	7.9	26	19	14	17
AC-FT	793	494	486	491	445	510	482	755	2,360	2,440	1,390	1,120

CAL YR	2002	TOTAL	6,932.0	MEAN	19.0	MAX	87	MIN	7.9	AC-FT 13,750
WTR YR	2003	TOTAL	5,930.4	MEAN	16.2	MAX	76	MIN	7.9	AC-FT 11,760

e Estimated

10133600 McLEOD CREEK NEAR PARK CITY, UT

LOCATION.--Lat 40°41'15", long 111°31'58", in SW¼NE¼SE¼ sec. 31, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020101, at dividing structure, 3.2 mi northwest of Park City.

DRAINAGE AREA.--8.78 mi^2.

PERIOD OF RECORD.--October 1990 to September 1996, October 31, 2002 to September 2003.

GAGE.--Water-stage recorder. Elevation of gage is 6,590 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for winter period, which is fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 133 ft^3/s, Jun 17, 1995; minimum daily discharge, 0.69 ft^3/s, Jan 9, 11, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34 ft^3/s, Jun 24; minimum daily discharge, 3.2 ft^3/s, Sep 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	---	4.7	9.2	e6.0	e5.4	6.2	11	12	16	7.2	5.6	4.8
2	---	4.6	8.3	e6.6	e5.2	5.6	11	13	15	6.9	5.6	4.6
3	---	4.7	7.9	e6.8	e5.2	6.0	11	14	13	6.8	5.6	4.4
4	---	5.1	8.1	e7.0	e5.4	7.1	10	15	12	6.6	5.5	4.4
5	---	6.9	8.1	e7.2	e5.2	7.0	11	14	12	6.4	5.6	4.6
6	---	7.3	6.5	e7.4	e5.0	7.3	10	13	12	6.3	5.2	4.7
7	---	9.7	6.8	e7.6	e4.9	6.6	11	13	11	6.2	5.1	5.0
8	---	11	6.5	e7.6	e4.8	6.9	10	13	10	6.3	5.0	5.0
9	---	11	6.3	e7.2	e4.4	7.0	10	13	9.7	6.2	4.7	5.3
10	---	8.2	5.6	e6.8	e5.0	8.0	10	14	9.1	6.2	4.9	7.3
11	---	9.0	5.4	e6.8	e5.2	9.9	11	13	9.0	6.5	4.7	5.1
12	---	7.8	6.3	e6.6	e5.2	11	11	13	9.0	6.3	4.6	4.6
13	---	9.0	6.9	e6.6	6.5	13	11	11	9.1	6.4	4.3	4.4
14	---	9.0	8.9	e6.4	7.8	14	11	11	8.3	7.0	4.3	4.4
15	---	6.7	8.9	e6.4	6.8	14	12	12	7.3	6.8	4.3	4.4
16	---	6.0	7.0	e6.6	7.1	18	12	13	7.6	6.1	4.3	4.1
17	---	9.1	7.2	e6.7	6.6	14	12	15	8.1	5.9	4.3	4.1
18	---	7.1	5.3	e6.6	6.0	12	14	16	8.1	6.1	4.3	4.3
19	---	7.7	4.9	e6.4	7.0	11	13	17	7.4	6.7	4.3	3.9
20	---	9.3	6.0	e6.4	6.4	12	12	17	7.2	6.1	4.4	3.6
21	---	9.9	4.6	e6.5	6.3	12	12	15	9.8	6.0	4.5	3.6
22	---	10	4.1	e6.4	6.6	11	13	17	8.2	5.9	5.8	3.5
23	---	10	4.1	e6.6	7.0	12	12	20	18	6.4	5.1	3.4
24	---	10	e4.6	e6.6	8.3	11	12	21	16	6.6	5.0	3.2
25	---	6.5	e5.0	e6.4	6.7	11	12	20	10	6.7	4.9	3.4
26	---	4.9	e5.2	e6.0	6.8	13	12	22	8.9	6.0	4.7	3.8
27	---	5.2	e5.6	e6.2	7.0	12	12	23	8.1	5.9	4.6	3.5
28	---	5.8	e5.4	e5.8	6.0	11	12	22	8.0	6.0	4.6	3.4
29	---	8.7	e5.2	e5.3	---	11	13	22	7.8	5.9	4.6	3.5
30	e5.7	8.4	e5.0	e5.4	---	11	12	21	7.5	5.7	4.8	3.4
31	4.9	---	e5.2	e5.2	---	11	---	18	---	5.5	4.5	---
TOTAL	---	233.3	194.1	202.1	169.8	322.6	346	493	303.2	195.6	149.7	127.7
MEAN	---	7.78	6.26	6.52	6.06	10.4	11.5	15.9	10.1	6.31	4.83	4.26
MAX	---	11	9.2	7.6	8.3	18	14	23	18	7.2	5.8	7.3
MIN	---	4.6	4.1	5.2	4.4	5.6	10	11	7.2	5.5	4.3	3.2
AC-FT	---	463	385	401	337	640	686	978	601	388	297	253

e Estimated

10133650 EAST CANYON CREEK BELOW I-80 REST STOP, NEAR PARK CITY, UT

LOCATION.--Lat 40°43'26", long 111°31'08", in SW¼NW¼NE¼ sec. 20, T. 1 S., R. 4 E., Summit County, Hydrologic Unit 16020102, on left bank 10 ft below bridge, 5 mi north-northwest of Park City.

DRAINAGE AREA.--42.1 mi^2.

PERIOD OF RECORD.--November 2002 to September 2003.

GAGE.--Water-stage recorder. Elevation of gage is 6,360 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37 ft^3/s, Jun 24, 2003, gage height 5.38 ft; minimum daily discharge, 0.84 ft^3/s, Aug 14, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37 ft^3/s, Jun 24, gage height, 5.38 ft; minimum daily discharge, 0.84 ft^3/s, Aug 14.

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	---	---	10	e9.6	15	6.6	14	13	17	10	2.8	2.5
2	---	---	9.4	e9.4	14	5.8	13	14	15	9.5	2.8	2.8
3	---	---	8.8	e9.0	11	7.8	15	14	13	9.1	3.1	2.4
4	---	---	8.9	e8.8	8.9	7.4	14	17	12	8.6	3.0	2.3
5	---	---	8.7	e8.8	11	8.6	16	18	12	8.5	2.7	2.7
6	---	---	7.8	e8.6	8.5	7.4	16	15	11	8.4	2.7	3.2
7	---	7.9	7.5	e9.4	13	7.1	16	15	11	8.0	2.2	4.5
8	---	13	9.2	e9.6	14	11	15	18	11	7.3	2.2	4.2
9	---	15	9.5	e10	14	13	14	16	10	6.9	2.2	4.2
10	---	10	10	e11	14	16	13	16	11	7.7	2.3	8.3
11	---	11	5.5	e10	13	18	14	14	10	7.5	2.1	5.3
12	---	9.3	5.9	5.7	14	18	14	12	9.9	6.8	0.97	4.7
13	---	10	8.2	8.1	12	18	14	11	7.3	6.7	1.0	4.4
14	---	11	8.2	6.8	15	19	14	9.8	8.0	7.4	0.84	4.2
15	---	8.9	8.4	6.0	14	18	16	9.4	7.9	6.9	1.5	4.3
16	---	7.3	8.2	9.3	12	26	15	8.7	6.3	5.9	1.9	4.3
17	---	11	7.8	9.6	12	20	14	9.4	7.8	5.6	2.1	4.4
18	---	8.7	9.4	10	9.2	18	18	9.5	8.8	5.7	1.6	4.5
19	---	8.5	9.0	9.3	8.4	17	17	11	7.5	5.1	0.89	4.3
20	---	11	8.9	9.9	6.8	18	16	12	6.1	5.0	0.88	4.1
21	---	11	6.8	11	6.7	17	15	12	10	4.3	1.0	3.8
22	---	11	6.0	6.0	6.8	16	17	13	13	4.3	2.4	3.9
23	---	11	8.2	6.5	8.3	16	16	16	23	3.8	2.2	3.9
24	---	12	9.2	6.4	11	16	15	18	26	4.1	2.2	3.8
25	---	8.7	8.6	5.9	e8.2	15	15	18	17	6.5	2.2	3.7
26	---	9.1	8.2	6.2	6.4	16	15	18	13	6.4	1.6	4.0
27	---	9.4	9.0	7.9	7.6	18	15	21	12	6.0	2.0	4.0
28	---	7.1	7.6	13	7.5	17	14	21	11	5.3	2.0	3.9
29	---	11	7.4	9.3	---	16	13	21	11	3.2	2.7	3.9
30	---	9.5	7.1	11	---	14	13	20	11	3.1	1.8	3.9
31	---	---	e9.0	17	---	14	---	18	---	3.0	1.9	---
MEAN	---	---	8.27	9.00	10.8	14.7	14.9	14.8	11.7	6.34	1.99	4.01
MAX	---	---	10	17	15	26	18	21	26	10	3.1	8.3
MIN	---	---	5.5	5.7	6.4	5.8	13	8.7	6.1	3.0	0.84	2.3

e Estimated

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT

LOCATION.--Lat 40°45'35", long 111°33'48", in NE¼SW¼SW¼ sec. 1, T. 1 S., R. 3 E., Summit County, Hydrologic Unit 16020101, on right bank 0.5 mi north of Jeremy Ranch.

DRAINAGE AREA.--57.2 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,240 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 246 ft^3/s, Mar 31, 2002, gage height, 6.32 ft; minimum daily discharge, 2.2 ft^3/s, Aug 14, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 74 ft^3/s, Mar 16, gage height, 5.38 ft; minimum daily discharge, 3.0 ft^3/s, Aug 13, 14.

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	25	9.9	14	15	24	15	27	27	32	12	4.4	4.0
2	26	8.6	14	13	28	15	26	28	30	11	4.7	4.1
3	15	8.3	13	14	19	15	30	28	25	9.8	5.0	4.1
4	13	8.5	13	15	17	16	28	36	22	9.1	4.4	3.8
5	12	9.6	13	15	13	16	29	39	21	8.5	4.0	3.9
6	12	10	13	14	13	17	30	30	21	8.7	3.9	4.2
7	12	11	12	12	12	17	31	31	19	9.1	4.4	5.1
8	10	16	13	12	12	20	29	38	18	8.5	4.1	5.3
9	11	23	11	12	12	26	26	34	17	7.9	4.1	5.1
10	11	e16	11	13	12	32	27	37	17	8.0	4.1	10
11	11	e15	11	14	11	35	28	32	15	8.2	4.1	7.1
12	11	13	11	13	11	36	29	28	15	8.1	3.8	6.2
13	11	13	11	13	15	34	29	25	15	7.6	3.0	6.0
14	11	14	13	13	28	38	29	26	14	7.3	3.0	6.0
15	10	13	14	13	27	38	33	27	15	7.2	3.2	6.1
16	8.5	11	12	12	24	66	30	28	13	7.1	3.5	6.0
17	10	12	12	13	21	49	29	30	12	7.0	3.8	6.3
18	10	12	10	13	18	37	46	31	17	6.7	4.0	6.9
19	9.6	11	11	12	17	32	42	31	13	6.5	3.3	e6.9
20	11	12	11	12	16	36	35	32	9.6	7.1	3.1	6.9
21	9.9	13	11	13	16	33	31	31	13	6.4	3.1	6.7
22	11	13	12	13	16	28	32	32	18	5.4	3.6	6.6
23	12	13	11	15	16	29	32	37	45	5.5	3.8	6.5
24	12	15	11	14	14	29	30	41	54	5.9	4.0	6.4
25	12	13	10	14	15	26	29	42	32	6.8	4.6	6.2
26	11	10	10	14	16	36	29	43	20	8.1	3.6	6.5
27	11	9.7	11	16	15	40	29	46	17	7.7	3.8	6.9
28	10	11	12	26	15	35	29	44	14	7.0	3.7	6.8
29	11	13	13	19	---	e32	27	42	13	5.5	3.8	6.6
30	10	13	14	18	---	28	26	40	12	4.9	4.2	6.5
31	9.4	---	14	29	---	27	---	35	---	5.0	3.7	---
MEAN	11.9	12.4	12.0	14.6	16.9	30.1	30.2	33.9	20.0	7.54	3.86	5.99
MAX	26	23	14	29	28	66	46	46	54	12	5.0	10
MIN	8.5	8.3	10	12	11	15	26	25	9.6	4.9	3.0	3.8

CAL YR 2002 MEAN 21.8 MAX 139 MIN 2.2
WTR YR 2003 MEAN 16.6 MAX 66 MIN 3.0

e Estimated

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 2001 to current year.

PERIOD OF DAILY RECORD.--
DISSOLVED OXYGEN: October 2001 to current year.
PH: October 2001 to current year.
SPECIFIC CONDUCTANCE: October 2001 to current year. WATER TEMPERATURE:October 2001 to current year.

INSTRUMENTATION.-Water quality monitor from October 2001 to current year.

REMARKS.--Dissolved oxygen records poor. PH records good. Specific conductivity records good. Temperature records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISSOLVED OXYGEN: Maximum, 13.1 mg/L, Nov 27, 2002; minimum, 3.0 mg/L, Aug 20, 2002.
PH: Maximum 8.7 units, Sep 3, 2003; minimum, 6.9 units, Aug 11, 12, 2003.
SPECIFIC CONDUCTANCE: Maximum, 3,110 microsiemens/cm, Feb 20, 2002; minimum, 476 microsiemens/cm, May 20, 2002.
WATER TEMPERATURE: Maximum 24.2°C, Jul 27, 2003; minimum, 0.0°C, Dec 8, 11, 18, 21, Mar 3, 7, 2002.

EXTREMES FOR CURRENT YEAR.--
DISSOLVED OXYGEN: Maximum, 13.1 mg/L, Nov 27; minimum, 3.3 mg/L, Jul 21, 22.
pH: Maximum, 8.7 units, Sep 3; minimum, 6.9 units, Aug 10, 11.
SPECIFIC CONDUCTANCE: Maximum, 2,450 microsiemens/cm, Feb 4; minimum, 546 microsiemens/cm, Jun 3.
WATER TEMPERATURE: Maximum, 24.2°C, Jul 27; minimum, 0.1°C, Dec 17, 18.

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	9.0	7.1	8.2	12.0	10.3	10.8	12.1	10.1	10.8	10.6	9.2	10
2	9.5	8.6	9.0	11.8	10.0	10.7	12.2	10.1	10.8	10.5	9.2	9.8
3	9.4	8.2	8.8	12.1	9.8	10.5	12.4	10.3	10.9	10.3	9.1	9.7
4	9.4	8.2	8.7	11.8	9.7	10.4	12.3	10.3	11.0	10.6	9.4	9.9
5	9.5	8.2	8.7	11.8	9.6	10.2	12.1	10.1	10.8	10.5	9.4	9.8
6	9.7	7.7	8.7	11.0	9.5	10.1	12.5	10.3	11.0	10.9	9.6	10.1
7	9.5	7.7	8.4	11.0	9.0	10.0	12.5	10.3	11.0	10.9	9.5	10.0
8	9.9	7.7	8.6	10.7	9.8	10.1	12.4	10.0	10.9	10.8	9.3	9.9
9	10.2	7.9	8.8	10.7	9.8	10.2	12.3	9.4	10.5	10.8	9.1	9.8
10	10.1	7.9	8.8	11.8	---	---	12.2	9.6	10.6	10.5	9.5	9.9
11	9.8	7.8	8.5	11.8	9.9	10.7	12.3	9.9	10.8	10.7	9.8	10.1
12	10.6	8.0	9.2	12.4	10.2	11.0	12.0	10.3	10.8	10.7	9.7	10.1
13	10.6	8.5	9.3	12.1	10.1	10.8	12.2	10.2	10.8	11.1	9.7	10.1
14	10.6	8.5	9.4	12.3	10.0	10.8	12.1	10.3	10.9	11.1	9.8	10.2
15	10.4	8.3	9.2	12.2	10.1	10.8	11.3	10.0	10.4	11.2	9.7	10.3
16	10.5	8.1	9.1	13.0	10.3	11.2	11.8	9.8	10.6	11.3	9.3	10.1
17	10.3	8.3	9.1	12.7	10.2	11.1	11.9	10.1	10.9	11.1	9.4	10.0
18	10.4	8.3	9.1	12.9	10.2	11.3	12.1	10.4	11.1	10.9	8.8	9.7
19	10.7	8.4	9.2	12.9	10.4	11.4	12.1	10.1	10.8	10.9	8.9	9.5
20	10.6	8.4	9.3	12.6	10.5	11.4	11.7	9.8	10.5	10.8	9.0	9.6
21	10.5	8.5	9.3	12.6	10.2	11.1	11.4	10.0	10.6	11.0	9.2	9.8
22	10.2	8.6	9.1	12.4	10.1	10.9	11.5	10.0	10.5	10.8	9.6	10.0
23	10.3	8.6	9.2	12.4	9.8	10.8	11.5	9.9	10.5	10.8	9.6	10.0
24	10.7	8.7	9.5	12.0	9.8	10.7	11.6	9.7	10.4	10.7	9.6	10
25	11.0	8.9	9.7	12.8	10.6	11.4	11.0	9.5	10.2	10.8	9.5	10.0
26	11.0	8.6	9.5	12.9	10.4	11.3	11.3	9.6	10.3	10.8	9.6	10.1
27	10.8	8.6	9.3	13.1	10.1	11.2	11.2	9.6	10.1	10.8	9.7	10.1
28	10.9	8.7	9.6	12.8	10.4	11.2	11.1	9.3	10.0	10.5	9.8	10.1
29	11.4	9.3	10.0	12.7	10.4	11.2	10.9	9.1	9.8	11.0	9.8	10.2
30	11.6	9.6	10.3	12.7	10.5	11.2	10.4	9.3	9.9	10.9	9.7	10.2
31	11.9	9.8	10.5	---	---	---	10.0	9.3	9.6	10.5	9.4	9.9
MONTH	11.9	7.1	9.2	13.1	9.0	10.8	12.5	9.1	10.6	11.3	8.8	10.0

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

DISSOLVED OXYGEN, WATER, UNFILTERED, MILLIGRAMS PER LITER—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	10.3	9.3	9.8	11.0	8.9	9.7	9.0	6.7	7.6	11.1	8.0	9.5
2	10.8	9.4	10.2	10.8	8.4	9.5	9.0	7.0	8.2	11.1	8.0	9.5
3	11.1	9.8	10.4	10.7	8.4	9.3	10.1	8.4	9.1	10.9	8.0	9.3
4	11.2	9.9	10.5	10.6	8.4	9.5	10.4	8.2	9.2	11.0	8.2	9.3
5	11.4	9.5	10.2	11.2	8.8	9.6	10.0	8.2	9.0	11.2	8.1	9.7
6	11.2	9.7	10.3	10.6	8.6	9.5	10.2	8.0	9.1	11.1	8.2	9.6
7	11.3	9.7	10.3	10.5	8.4	9.3	9.9	7.4	8.7	10.8	8.0	9.2
8	11.4	9.8	10.3	10.4	8.4	9.2	9.9	7.1	8.5	10.9	8.2	9.5
9	11.3	9.7	10.3	10.2	8.1	9.1	9.5	6.8	8.0	11.2	8.4	9.8
10	11.5	9.7	10.3	10.1	7.9	9.1	9.3	6.8	7.9	11.7	8.7	10.2
11	11.5	9.7	10.4	9.5	7.4	8.5	9.2	6.8	7.8	12.0	8.3	10.2
12	11.7	9.6	10.4	9.3	7.2	8.3	9.2	6.9	7.9	11.7	7.7	9.6
13	11.5	9.7	10.4	9.0	6.8	7.9	9.3	6.9	7.9	11.3	7.1	9.2
14	11.2	10.1	10.6	8.5	6.9	7.7	9.2	7.0	7.9	11.2	7.0	8.9
15	10.9	9.7	10.4	9.0	7.4	8.1	9.3	6.8	8.2	10.9	6.9	8.6
16	10.7	9.5	10.1	9.0	7.4	8.2	9.8	7.5	8.7	11.0	6.8	8.8
17	11.2	9.6	10.3	8.7	7.5	8.3	9.8	7.7	8.6	10.8	6.8	8.6
18	11.3	9.5	10.2	9.0	8.0	8.5	9.7	7.7	8.7	11.2	7.5	9.1
19	11.4	9.3	10.1	9.2	7.5	8.4	9.9	8.0	9.0	11.5	7.4	9.4
20	11.0	8.9	9.9	8.7	7.0	7.8	10.0	7.9	8.8	11.3	7.3	9.2
21	11.1	8.8	9.7	9.0	6.9	7.9	9.9	7.8	8.8	11.1	6.9	8.9
22	11.0	8.7	9.7	8.6	6.4	7.4	9.9	7.8	8.9	10.7	6.5	8.5
23	11.4	9.2	10	8.3	6.5	7.4	10.8	8.2	9.5	10.0	6.5	8.1
24	11.7	9.0	10.0	8.5	7.0	7.7	10.4	7.9	9.1	9.6	6.5	7.8
25	11.2	9.3	10.1	9.2	6.9	8.0	10.5	7.1	9.0	9.4	6.4	7.9
26	11.4	9.3	10.0	8.4	7.0	7.8	10.9	7.1	9.1	9.4	6.5	7.8
27	11.1	9.0	9.7	9.6	8.4	8.9	11.2	8.3	9.6	9.3	6.1	7.6
28	11.1	8.9	9.7	10.0	7.7	8.9	10.8	8.1	9.3	9.1	6.2	7.5
29	---	---	---	10.0	---	---	10.9	8.1	9.3	9.1	6.3	7.5
30	---	---	---	9.8	7.3	8.5	11.0	8.3	9.5	8.8	6.0	7.3
31	---	---	---	9.3	6.6	7.9	---	---	---	9.0	6.0	7.4
MONTH	11.7	8.7	10.2	11.2	6.4	8.5	11.2	6.7	8.7	12.0	6.0	8.8
		JUNE			JULY			AUGUST			SEPTEMBER	
1	9.2	6.0	7.6	11.5	5.6	8.1	9.5	3.6	6.0	9.7	4.6	6.5
2	10.1	6.4	8.1	11.8	5.4	8.2	9.3	3.6	5.8	9.3	4.4	6.3
3	10.2	6.5	8.3	11.9	5.4	8.2	9.1	3.9	5.9	10.3	4.1	6.3
4	10.5	6.6	8.3	11.8	5.3	8.1	9.3	4.2	6.4	9.0	3.9	6.1
5	10.1	6.3	8.2	11.5	5.2	7.8	9.3	4.2	6.3	9.6	3.9	6.0
6	10.1	6.0	8.1	11.0	4.9	7.6	9.7	4.4	6.6	9.5	4.3	6.3
7	10.1	6.3	8.0	11.1	4.8	7.5	9.9	4.6	6.7	9.1	4.6	6.4
8	10.3	5.9	8.0	11.4	4.9	7.8	9.6	4.7	6.7	9.0	4.6	6.3
9	9.9	6.0	7.7	11.4	5.2	7.9	9.3	4.6	6.6	9.1	5.0	6.5
10	9.7	6.2	7.7	11.5	4.8	7.9	9.3	4.6	6.5	8.4	5.1	6.7
11	10.0	5.1	7.5	12.0	4.5	7.7	9.7	4.1	6.6	9.1	5.5	7.1
12	9.8	5.1	7.0	11.0	4.3	7.3	8.9	4.0	6.1	9.1	5.5	6.8
13	9.9	5.8	7.4	10.9	4.3	7.1	9.0	4.3	6.4	9.4	5.7	7.2
14	9.9	5.5	7.6	11.0	4.2	7.2	9.1	4.2	5.7	9.7	5.8	7.4
15	10.1	5.4	7.5	10.7	4.1	6.9	9.3	4.4	6.2	9.5	5.4	7.2
16	10.5	5.3	7.6	11.2	4.0	6.8	9.9	3.9	6.4	9.2	5.3	6.7
17	10.9	5.7	7.5	10.7	4.0	6.6	9.8	4.0	6.4	9.5	5.3	6.8
18	11.2	6.1	8.3	10.3	3.6	6.7	10.2	4.1	6.6	9.7	6.1	7.5
19	11.2	6.1	8.0	9.9	3.5	6.1	9.8	4.1	6.5	9.4	---	---
20	11.1	6.4	8.4	9.8	3.5	6.0	9.3	4.2	6.1	9.5	5.9	7.3
21	11.0	6.3	8.0	9.0	3.3	5.8	8.9	4.2	6.1	9.5	5.9	7.3
22	10.9	7.1	8.8	9.4	3.3	5.5	9.0	4.4	5.9	9.4	5.5	7.1
23	9.1	7.1	8.2	9.8	3.4	5.8	8.8	4.2	6.2	9.5	5.6	7.0
24	9.7	8.4	9.0	9.6	3.6	5.9	9.2	4.2	6.3	9.9	5.6	7.2
25	10.3	7.5	9.1	9.1	3.6	5.9	9.2	4.1	6.2	10.2	5.2	7.3
26	10.7	6.9	8.8	9.1	3.9	6.1	9.3	4.1	6.2	10.3	5.7	7.4
27	10.7	6.5	8.5	8.9	4.1	6.2	9.8	4.1	6.2	10.0	5.3	7.0
28	10.7	6.1	8.2	9.3	4.1	6.2	9.7	4.3	6.4	9.8	5.3	6.9
29	11.3	5.8	8.2	9.1	3.9	6.0	9.8	4.3	6.2	11.0	5.2	7.0
30	11.1	5.6	8.0	9.1	3.9	6.1	9.6	4.7	6.7	10.2	5.2	7.0
31	---	---	---	9.1	3.9	6.0	9.4	4.6	6.6	---	---	---
MONTH	11.3	5.1	8.1	12.0	3.3	6.9	10.2	3.6	6.3	11.0	3.9	6.8
YEAR	13.1	3.3	8.7									

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8.0	7.8	7.9	8.4	8.0	8.1	8.4	8.0	8.3	7.8	7.6	7.7
2	8.0	7.9	7.9	8.3	8.0	8.1	8.4	8.0	8.3	7.8	7.6	7.7
3	8.2	7.8	8.0	8.3	7.9	8.0	8.4	8.0	8.3	7.8	7.7	7.8
4	8.2	7.9	8.1	8.3	7.9	8.1	8.3	8.0	8.3	7.9	7.7	7.8
5	8.2	7.9	8.1	8.3	7.9	8.0	8.4	8.1	8.3	7.9	7.7	7.8
6	8.2	7.9	8.0	8.3	7.9	8.1	8.4	8.0	8.3	7.9	7.8	7.8
7	8.2	7.8	8.0	8.3	7.8	8.1	8.4	8.0	8.3	8.0	7.7	7.8
8	8.3	7.8	8.0	8.2	7.9	8.0	8.4	7.9	8.2	7.9	7.7	7.7
9	8.3	7.9	8.1	8.1	8.0	8.0	8.3	7.8	8.2	7.8	7.6	7.7
10	8.3	7.9	8.1	8.3	7.9	---	8.2	7.8	8.1	7.8	7.6	7.7
11	8.3	7.8	8.1	8.4	8.0	---	8.2	7.8	7.9	7.8	7.7	7.7
12	8.3	7.9	8.1	8.4	8.0	8.2	8.1	7.9	8.0	7.8	7.7	7.7
13	8.3	8.0	8.1	8.4	8.0	8.2	8.2	7.8	7.9	7.9	7.7	7.7
14	8.3	8.0	8.1	8.5	8.0	8.2	8.1	7.8	8.0	7.9	7.7	7.8
15	8.3	7.9	8.1	8.4	8.0	8.2	8.1	7.9	8.0	7.9	7.7	7.8
16	8.3	7.9	8.1	8.5	8.0	8.2	8.1	7.8	7.9	8.0	7.6	7.7
17	8.3	8.0	8.1	8.5	8.0	8.2	8.2	7.9	8.0	7.9	7.6	7.7
18	8.3	8.0	8.1	8.5	8.0	8.2	8.2	7.9	8.0	7.9	7.5	7.6
19	8.3	8.0	8.1	8.4	8.0	8.2	8.1	7.7	7.9	7.8	7.5	7.5
20	8.4	8.0	8.2	8.4	8.0	8.2	8.0	7.8	7.9	7.9	7.6	7.6
21	8.3	8.0	8.1	8.5	8.0	8.2	8.0	7.8	7.9	7.9	7.6	7.6
22	8.3	8.0	8.1	8.5	8.0	8.2	8.0	7.8	7.9	7.7	7.6	7.6
23	8.4	8.0	8.1	8.5	8.1	8.2	8.0	7.8	7.9	7.7	7.6	7.6
24	8.4	8.0	8.2	8.4	8.1	8.2	8.0	7.8	7.9	7.7	7.6	7.6
25	8.4	8.0	8.2	8.4	8.1	8.2	7.9	7.7	7.8	7.7	7.6	7.6
26	8.4	8.0	8.2	8.4	7.9	8.1	7.9	7.7	7.8	7.7	7.6	7.7
27	8.4	8.0	8.2	8.4	7.9	8.1	7.9	7.7	7.7	7.8	7.6	7.7
28	8.4	8.0	8.2	8.4	8.0	8.1	7.8	7.7	7.7	7.8	7.7	7.7
29	8.4	8.0	8.2	8.4	8.0	8.2	7.8	7.5	7.6	7.8	7.6	7.7
30	8.4	8.0	8.2	8.4	8.0	8.2	7.7	7.5	7.6	7.8	7.6	7.7
31	8.4	8.1	8.2	---	---	---	7.7	7.6	7.6	7.8	7.7	7.6
MONTH	8.4	7.8	8.1	8.5	7.8	8.1	8.4	7.5	8.0	8.0	7.5	7.7
		FEBRUARY			MARCH			APRIL			MAY	
1	7.7	7.6	7.6	8.0	7.7	7.9	8.2	7.8	---	8.5	7.8	---
2	7.8	7.6	7.6	8.0	7.7	7.8	8.1	7.9	---	8.5	7.8	---
3	7.9	7.5	7.6	8.0	7.7	---	8.2	7.9	---	8.5	7.8	---
4	7.8	7.6	7.7	8.1	7.8	---	8.2	7.9	---	8.4	7.8	---
5	7.8	7.5	7.6	8.2	7.7	---	8.2	7.9	---	8.6	7.8	---
6	7.7	7.5	7.6	8.1	7.8	---	8.2	7.9	---	8.5	7.8	---
7	7.6	7.4	7.5	8.1	7.8	---	8.3	7.9	---	8.4	7.8	---
8	7.5	7.3	7.4	8.2	7.8	---	8.3	7.9	---	8.5	7.8	---
9	7.5	7.3	7.4	8.1	7.8	---	8.3	7.8	---	8.5	7.8	---
10	7.7	7.3	7.4	8.1	7.8	---	8.3	7.8	---	8.6	7.9	---
11	7.7	7.5	7.6	8.1	7.8	---	8.3	7.8	---	8.6	7.8	---
12	7.8	7.5	7.6	8.2	7.8	---	8.4	7.8	---	8.6	7.8	---
13	7.9	7.6	7.7	8.1	7.8	---	8.4	7.8	---	8.5	7.6	---
14	7.9	7.7	7.8	8.0	7.8	---	8.3	7.8	---	8.3	7.5	---
15	7.8	7.6	7.7	8.0	7.8	---	8.3	7.9	---	8.4	7.5	---
16	7.9	7.7	7.7	8.0	7.8	---	8.3	7.9	---	8.4	7.5	---
17	8.0	7.6	7.8	8.0	7.8	---	8.4	7.8	---	8.4	7.5	---
18	8.0	7.7	7.8	8.0	7.8	---	8.2	7.8	---	8.3	7.6	---
19	8.0	7.7	7.8	8.1	7.8	---	8.3	7.9	---	8.3	7.5	---
20	8.0	7.7	7.8	8.1	7.9	---	8.3	7.9	---	8.3	7.5	---
21	8.1	7.8	7.9	8.1	7.8	---	8.3	7.9	---	8.4	7.5	---
22	8.0	7.7	7.9	8.0	7.8	---	8.2	7.8	---	8.3	7.4	---
23	8.1	7.7	7.8	8.1	7.7	---	8.4	7.9	---	8.4	7.4	---
24	8.1	7.6	7.8	8.2	7.8	---	8.3	7.7	---	8.2	7.5	---
25	8.0	7.7	7.8	8.1	7.8	---	8.4	7.8	---	8.4	7.5	---
26	8.1	7.7	7.9	8.0	7.7	---	8.3	7.8	---	8.4	7.5	---
27	8.1	7.7	7.9	8.1	7.8	---	8.4	7.7	---	8.4	7.5	---
28	8.1	7.7	7.9	8.1	7.8	---	8.4	7.8	---	8.3	7.4	---
29	---	---	---	8.1	7.8	---	8.3	7.8	---	8.2	7.4	---
30	---	---	---	8.2	7.8	---	8.5	7.8	---	8.3	7.4	---
31	---	---	---	8.2	7.8	---	---	---	---	8.3	7.4	---
MONTH	8.1	7.3	7.7	8.2	7.7	7.8	8.5	7.7	---	8.6	7.4	---

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

PH, WATER, UNFILTERED, FIELD, STANDARD UNITS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	8.3	7.4	---	8.5	7.5	---	8.1	7.2	---	8.5	7.7	---
2	8.3	7.4	---	8.5	7.5	---	8.0	7.2	---	8.6	7.6	---
3	8.3	7.4	---	8.2	7.4	---	7.9	7.2	---	8.7	7.8	---
4	8.2	7.4	---	8.3	7.4	---	8.1	7.2	---	8.4	7.4	---
5	8.3	7.4	---	8.2	7.4	---	7.9	7.1	---	8.3	7.4	---
6	8.1	7.4	---	8.2	7.4	---	8.0	7.1	---	8.2	7.4	---
7	8.1	7.2	---	8.3	7.4	---	8.0	7.2	---	8.5	7.6	---
8	8.1	7.2	---	8.2	7.4	---	7.8	7.1	---	8.2	7.6	---
9	8.0	7.2	---	8.3	7.3	---	7.7	7.0	---	8.3	7.6	---
10	8.0	7.3	---	8.3	7.4	---	7.6	6.9	---	8.3	7.6	---
11	8.4	7.3	---	8.4	7.3	---	8.0	6.9	---	8.4	7.7	---
12	8.5	7.5	---	8.2	7.3	---	7.7	7.2	---	8.2	7.6	---
13	8.4	7.6	---	8.2	7.3	---	7.7	7.3	---	8.3	7.6	---
14	8.5	7.5	---	8.3	7.3	---	7.7	7.3	---	8.2	7.6	---
15	8.4	7.5	---	8.2	7.2	---	7.8	7.4	---	8.2	7.5	---
16	8.3	7.4	---	8.4	7.2	---	7.9	7.4	---	8.3	7.6	---
17	8.5	7.4	---	8.2	7.2	---	8.1	7.4	---	8.3	7.5	---
18	8.4	7.5	---	8.1	7.2	---	8.2	7.5	---	8.1	7.5	---
19	8.3	7.4	---	8.0	7.1	---	8.0	7.5	---	8.1	7.5	---
20	8.3	7.4	---	8.1	7.1	---	7.9	7.5	---	8.3	7.6	---
21	8.3	7.3	---	7.9	7.1	---	8.1	7.5	---	8.2	7.6	---
22	8.4	7.5	---	8.0	7.1	---	8.2	7.6	---	8.0	7.5	---
23	7.8	7.4	---	8.2	7.4	---	8.3	7.6	---	8.1	7.5	---
24	8.0	7.5	---	8.2	7.4	---	8.4	7.7	---	8.4	7.6	---
25	8.5	7.8	---	8.1	7.3	---	8.5	7.6	---	8.3	7.7	---
26	8.5	7.8	---	8.2	7.4	---	8.3	7.6	---	8.5	7.7	---
27	8.5	7.8	---	8.2	7.4	---	8.5	7.6	---	8.4	7.8	---
28	8.5	7.7	---	8.2	7.4	---	8.5	7.7	---	8.5	7.7	---
29	8.4	7.5	---	8.1	7.4	---	8.4	7.7	---	8.5	7.7	---
30	8.4	7.5	---	8.0	7.2	---	8.6	7.7	---	8.5	7.7	---
31	---	---	---	8.1	7.2	---	8.4	7.7	---	---	---	---
MONTH	8.5	7.2	---	8.5	7.1	---	8.6	6.9	---	8.7	7.4	---
YEAR	8.7	6.9	7.9									

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1,130	868	1,020	1,320	1,090	1,200	1,040	981	1,010	1,860	1,470	1,620
2	1,110	919	1,060	1,320	1,060	1,210	1,040	998	1,030	1,840	1,320	1,630
3	1,190	1,050	1,130	1,320	1,040	1,190	1,110	958	1,050	1,560	1,370	1,460
4	1,180	1,070	1,130	1,290	979	1,160	1,050	990	1,020	1,490	1,220	1,370
5	1,150	1,060	1,110	1,250	940	1,150	1,020	962	996	1,450	1,260	1,360
6	1,180	999	1,070	1,240	1,040	1,120	1,090	921	1,020	1,380	1,180	1,290
7	1,150	1,050	1,100	1,180	952	1,080	1,130	939	1,050	1,570	1,200	1,370
8	1,150	1,080	1,110	1,050	940	993	1,200	898	1,080	1,580	1,220	1,410
9	1,130	1,030	1,080	1,180	984	1,110	1,320	911	1,130	1,480	1,230	1,360
10	1,120	1,030	1,080	2,000	1,050	1,300	1,250	886	1,100	1,440	1,210	1,310
11	1,120	1,050	1,090	1,520	1,160	1,310	1,180	934	1,060	1,510	1,220	1,310
12	1,120	1,020	1,070	1,380	1,180	1,270	1,080	1,030	1,060	1,520	1,320	1,400
13	1,120	1,010	1,080	1,300	1,070	1,170	1,150	883	1,060	1,430	1,130	1,310
14	1,090	1,020	1,060	1,220	1,040	1,090	1,090	945	1,030	1,380	1,150	1,280
15	1,160	995	1,040	1,260	1,090	1,130	1,060	993	1,040	1,320	1,210	1,270
16	1,100	997	1,060	1,130	1,060	1,090	1,190	904	1,080	1,570	1,100	1,360
17	1,080	982	1,040	1,110	997	1,040	1,220	932	1,110	1,470	1,080	1,310
18	1,120	1,010	1,060	1,140	963	1,040	1,570	1,160	1,370	1,560	1,110	1,360
19	1,110	1,040	1,080	1,110	983	1,030	1,840	1,320	1,610	1,520	1,100	1,350
20	1,100	993	1,050	1,060	905	972	1,740	1,390	1,570	1,520	1,080	1,330
21	1,100	1,020	1,060	1,000	957	978	1,530	1,270	1,380	1,470	1,050	1,280
22	1,110	996	1,040	994	951	975	1,360	1,200	1,270	1,330	1,170	1,240
23	1,120	999	1,040	983	931	960	1,320	1,090	1,250	1,320	1,200	1,240
24	1,070	992	1,030	1,610	944	987	1,400	1,170	1,310	1,320	1,240	1,270
25	1,090	1,000	1,040	1,670	1,040	1,180	1,420	1,260	1,360	1,370	1,230	1,290
26	1,110	996	1,050	1,320	1,060	1,200	1,400	1,240	1,330	1,310	1,210	1,260
27	1,070	969	1,020	1,460	1,100	1,280	1,340	1,220	1,280	1,590	1,180	1,260
28	1,070	980	1,030	1,220	939	1,130	1,330	1,200	1,260	1,450	1,300	1,370
29	1,190	974	1,050	1,140	902	1,040	1,380	1,120	1,270	1,550	1,320	1,440
30	1,330	1,000	1,120	1,130	924	1,030	1,400	1,200	1,310	1,480	1,210	1,350
31	1,190	1,060	1,100	---	---	---	1,620	1,260	1,440	1,290	1,130	1,210
MONTH	1,330	868	1,070	2,000	902	1,110	1,840	883	1,190	1,860	1,050	1,340
		FEBRUARY			MARCH			APRIL			MAY	
1	1,250	1,140	1,190	1,560	1,400	1,490	1,280	1,210	1,230	1,060	1,000	1,040
2	1,810	1,180	1,480	1,490	1,340	1,420	1,360	1,190	1,240	1,060	995	1,040
3	2,080	1,700	1,860	1,510	1,320	1,400	1,620	1,200	1,410	1,040	1,000	1,030
4	2,450	1,720	1,940	1,790	1,310	1,500	1,550	1,360	1,470	1,080	1,000	1,030
5	2,200	1,690	1,970	1,960	1,370	1,580	1,380	1,280	1,330	1,070	781	1,040
6	1,870	1,580	1,740	2,030	1,620	1,760	2,010	1,320	1,540	1,090	1,050	1,070
7	1,750	1,520	1,670	2,170	1,700	1,890	1,450	1,340	1,410	1,080	1,020	1,060
8	1,660	1,520	1,590	1,920	1,440	1,720	1,380	1,320	1,350	1,100	984	1,070
9	1,550	1,450	1,500	1,620	1,310	1,440	1,350	1,270	1,320	1,140	744	1,040
10	1,520	1,390	1,470	1,420	1,020	1,310	1,310	1,230	1,270	1,190	1,120	1,150
11	1,520	1,370	1,450	1,310	1,090	1,210	1,260	1,180	1,220	1,180	1,110	1,140
12	1,520	1,330	1,440	1,330	1,090	1,150	1,220	1,130	1,170	1,140	1,070	1,110
13	1,850	1,310	1,450	1,200	1,080	1,140	1,180	1,120	1,140	1,140	1,040	1,090
14	1,690	1,340	1,550	1,320	1,060	1,140	1,180	1,100	1,130	1,110	1,070	1,090
15	1,470	1,330	1,370	1,250	1,160	1,210	1,180	1,070	1,100	1,070	976	1,040
16	1,530	1,300	1,370	1,650	1,140	1,400	1,120	1,070	1,090	1,020	965	995
17	1,730	1,330	1,540	1,590	1,390	1,460	1,140	1,050	1,080	1,000	957	981
18	1,720	1,490	1,610	1,790	1,590	1,700	1,580	1,080	1,310	976	923	950
19	1,670	1,430	1,540	1,630	1,380	1,530	1,320	1,240	1,270	989	879	923
20	1,550	1,370	1,450	1,450	1,320	1,390	1,260	1,140	1,190	925	835	885
21	1,410	1,340	1,380	1,340	1,300	1,320	1,180	943	1,150	905	839	875
22	1,760	1,310	1,440	1,320	1,260	1,300	1,170	850	1,060	885	824	856
23	2,110	1,380	1,590	1,290	1,120	1,240	1,160	1,120	1,140	860	778	819
24	1,760	1,410	1,580	1,240	1,200	1,220	1,150	1,090	1,120	799	604	761
25	1,930	1,390	1,600	1,240	1,040	1,200	1,140	1,040	1,100	779	717	743
26	1,960	1,390	1,650	1,310	1,190	1,240	1,100	1,050	1,080	737	633	697
27	1,840	1,610	1,730	1,520	1,230	1,330	1,090	1,020	1,050	702	652	675
28	1,680	1,450	1,570	1,540	1,200	1,410	1,080	803	1,030	676	614	648
29	---	---	---	1,390	---	---	1,080	1,020	1,060	671	598	638
30	---	---	---	1,330	1,290	1,310	1,080	1,020	1,050	679	628	646
31	---	---	---	1,290	1,250	1,270	---	---	---	701	586	646
MONTH	2,450	1,140	1,560	2,170	1,020	1,390	2,010	803	1,200	1,190	586	928

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	698	603	657	1,100	1,020	1,060	1,500	1,190	1,320	1,660	1,400	1,500
2	735	558	696	1,160	1,050	1,110	1,530	1,180	1,350	1,540	1,380	1,460
3	767	546	730	1,200	1,050	1,140	1,620	1,280	1,390	1,490	1,160	1,390
4	824	718	787	1,250	1,100	1,160	1,620	1,370	1,450	1,580	1,380	1,480
5	855	719	814	1,320	1,130	1,190	1,530	1,340	1,450	1,560	1,340	1,500
6	1,010	808	887	1,260	1,010	1,160	1,550	1,420	1,510	1,520	1,390	1,450
7	976	867	924	1,200	967	1,130	1,570	1,330	1,450	1,490	1,200	1,320
8	964	852	904	1,210	1,060	1,150	1,640	1,390	1,530	1,320	1,220	1,270
9	953	892	919	1,260	1,130	1,200	1,610	1,410	1,520	1,360	1,180	1,270
10	958	854	903	1,240	1,090	1,170	1,610	1,470	1,540	1,300	1,110	1,200
11	1,030	822	941	1,250	1,080	1,160	1,580	1,300	1,480	1,320	1,170	1,240
12	1,070	968	1,010	1,180	1,030	1,110	1,700	1,510	1,600	1,310	1,200	1,260
13	1,060	974	1,010	1,210	1,060	1,140	1,770	1,690	1,720	1,320	1,170	1,240
14	1,090	976	1,020	1,210	1,070	1,140	1,810	1,760	1,790	1,290	1,170	1,240
15	1,020	966	997	1,290	1,130	1,200	1,800	1,760	1,780	1,370	1,100	1,270
16	1,140	955	1,050	1,290	1,020	1,200	1,800	1,590	1,690	1,400	1,200	1,280
17	1,150	974	1,050	1,380	1,180	1,230	1,750	1,400	1,540	1,410	904	1,280
18	1,040	962	999	1,380	1,190	1,260	1,630	1,400	1,480	1,400	1,280	1,340
19	1,040	978	1,010	1,300	1,220	1,270	1,680	1,530	1,590	---	1,310	---
20	1,100	1,000	1,060	1,280	1,040	1,200	1,760	1,610	1,700	1,430	1,320	1,370
21	1,240	987	1,080	1,350	1,080	1,240	1,840	1,760	1,810	1,420	1,180	1,370
22	1,060	910	970	1,360	1,290	1,340	1,840	1,500	1,690	1,420	1,250	1,350
23	989	795	918	1,370	1,280	1,330	1,700	1,480	1,580	1,380	1,310	1,350
24	1,070	897	977	1,340	1,260	1,290	1,500	1,420	1,460	1,380	1,260	1,350
25	1,080	1,030	1,050	1,340	1,180	1,260	1,510	1,280	1,360	1,440	1,240	1,370
26	1,070	1,030	1,050	1,270	1,090	1,170	1,620	1,420	1,520	1,390	1,280	1,340
27	1,040	1,010	1,030	1,230	1,070	1,160	1,600	1,360	1,490	1,370	1,280	1,320
28	1,090	1,010	1,050	1,260	1,100	1,180	1,600	1,410	1,510	1,380	1,240	1,320
29	1,120	965	1,050	1,400	1,200	1,290	1,630	1,390	1,520	1,510	1,170	1,330
30	1,150	1,000	1,060	1,470	1,350	1,420	1,710	1,330	1,510	1,380	1,250	1,320
31	---	---	---	1,480	1,240	1,380	1,650	1,480	1,560	---	---	---
MONTH	1,240	546	953	1,480	967	1,210	1,840	1,180	1,540	1,660	904	1,340
YEAR	2,450	546	1,230									

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.8	6.5	9.4	2.5	1.0	1.7	4.3	2.0	2.9	4.4	1.5	3.3
2	8.1	6.2	7.1	3.1	1.1	1.7	4.0	1.4	2.5	6.0	1.7	3.2
3	10.6	7.2	8.6	2.6	1.5	2.0	3.6	1.3	2.2	3.8	1.5	2.8
4	10.3	7.8	9.1	3.4	1.5	2.2	3.8	1.4	2.3	4.1	1.5	2.5
5	11.1	7.3	9.2	3.1	1.6	2.4	4.8	1.9	3.0	3.2	1.3	2.4
6	12.9	6.9	9.7	5.0	1.5	3.0	2.8	1.2	2.0	3.6	1.2	2.0
7	13.3	8.0	10.4	7.2	1.8	3.3	2.6	1.4	1.8	4.5	0.8	2.3
8	13.1	8.0	10.4	3.9	2.3	3.1	2.6	0.9	1.7	3.9	1.2	2.5
9	12.4	7.1	9.7	3.7	2.0	3.1	3.9	0.8	2.2	3.4	1.5	2.5
10	11.1	7.4	9.3	4.5	0.9	2.4	3.6	0.4	1.9	2.5	1.7	2.1
11	11.5	8.3	10.0	4.4	2.4	3.4	2.4	0.7	1.5	2.3	1.4	1.9
12	10.4	4.9	7.6	4.3	1.0	2.7	2.2	1.3	1.7	2.8	1.5	2.2
13	10.2	4.4	7.2	3.5	1.8	2.6	2.0	0.5	1.5	4.0	1.1	2.3
14	10.0	4.5	7.1	5.5	2.2	3.3	2.2	0.9	1.6	3.5	1.3	2.1
15	10.0	4.6	7.2	5.5	2.1	3.6	2.7	1.3	2.1	2.5	1.8	2.1
16	10.5	4.9	7.5	4.5	1.5	2.9	2.4	0.2	1.5	4.1	0.5	2.6
17	10.4	5.1	7.6	3.7	1.5	2.6	1.7	0.1	0.7	4.7	0.9	2.7
18	10.1	4.9	7.4	4.2	1.1	2.6	1.0	0.1	0.3	5.1	1.2	3.4
19	9.6	4.2	6.9	3.8	1.1	2.5	3.1	0.3	1.5	6.1	1.3	3.7
20	9.6	4.1	6.7	4.9	0.3	2.6	3.6	1.2	2.2	5.9	1.4	3.6
21	7.8	4.3	6.2	5.4	2.1	3.5	2.8	1.1	2.0	5.9	1.3	3.2
22	7.7	5.5	6.6	5.4	2.2	3.8	2.9	1.3	2.1	3.3	1.8	2.7
23	8.3	6.1	6.9	5.7	2.3	4.1	3.8	1.2	2.4	3.4	2.3	2.8
24	8.1	5.0	6.4	5.2	2.7	4.2	3.6	1.4	2.5	3.3	2.2	2.9
25	8.0	4.2	6.0	4.0	1.4	2.5	4.1	1.8	2.9	4.0	1.8	3.0
26	8.8	4.5	6.5	3.3	1.1	2.0	3.2	2.1	2.7	3.8	1.5	2.9
27	9.5	6.0	7.4	3.3	0.6	1.7	3.3	1.9	2.8	3.2	1.5	2.2
28	6.8	4.7	5.7	2.5	1.0	1.8	3.6	1.9	2.9	3.9	1.2	2.4
29	5.7	3.0	4.1	2.2	1.0	1.7	3.7	1.1	2.7	3.9	1.2	2.3
30	5.1	2.1	3.5	3.2	0.8	1.8	4.4	1.3	3.1	3.9	1.3	2.8
31	5.7	1.2	2.9	---	---	---	4.1	1.7	3.2	6.0	2.9	4.3
MONTH	13.3	1.2	7.4	7.2	0.3	2.7	4.8	0.1	2.1	6.1	0.5	2.7
		FEBRUARY			MARCH			APRIL			MAY	
1	4.6	2.5	3.6	5.5	1.8	3.5	11.0	6.7	8.8	12.6	6.0	9.6
2	4.2	1.4	2.3	6.8	1.6	4.3	8.4	3.8	5.8	11.1	6.4	9.2
3	2.6	1.4	2.1	6.5	1.6	4.3	5.5	2.0	3.7	10.5	7.4	8.9
4	2.7	1.4	2.0	4.7	1.9	3.6	5.6	1.1	3.6	10.1	7.2	8.4
5	3.7	1.1	2.5	4.3	2.1	3.1	5.7	2.4	3.8	10.9	5.2	7.9
6	2.8	1.9	2.4	5.1	2.1	3.6	6.8	1.6	4.3	11.5	5.2	8.5
7	3.4	1.9	2.5	5.7	2.6	4.3	9.3	2.7	6.0	10.5	8.0	9.3
8	3.1	1.9	2.6	7.4	1.5	4.5	10.8	3.1	7.0	10.7	6.7	8.8
9	3.7	1.8	2.8	6.8	1.4	4.3	12.2	4.9	8.6	9.6	6.7	7.9
10	3.4	2.0	2.6	6.8	1.2	4.3	12.4	6.0	9.3	11.3	5.1	7.8
11	3.2	1.8	2.4	8.3	2.2	5.1	13.2	6.6	9.8	12.0	5.8	8.9
12	3.3	2.0	2.5	8.3	2.5	5.3	12.4	7.2	9.8	14.8	7.3	11.1
13	2.8	1.6	2.2	9.5	3.0	6.4	13.3	7.4	10.1	16.2	9.8	12.9
14	1.9	0.8	1.2	7.7	5.0	6.0	12.0	7.5	10.0	15.4	9.9	12.8
15	3.4	0.8	1.9	5.6	2.8	4.5	10.2	6.6	7.9	17.2	11.3	14.0
16	4.4	1.1	2.5	6.8	2.2	4.7	11.1	4.2	7.6	17.2	10.6	14.0
17	3.7	1.3	2.5	5.1	2.3	3.3	10.8	6.1	8.3	14.4	11.4	12.6
18	4.7	1.7	2.8	3.8	1.6	2.8	9.1	5.0	7.1	14.9	9.5	12.0
19	5.3	1.4	3.3	6.3	1.9	4.2	11.3	5.0	7.7	14.5	7.1	10.9
20	5.7	1.8	3.9	8.4	3.6	6.0	11.8	5.7	9.1	15.0	7.9	11.6
21	6.3	2.1	4.3	9.0	2.8	6.0	11.4	6.7	9.3	16.4	8.8	12.6
22	4.7	2.6	3.5	9.6	4.3	7.1	10.4	7.7	8.9	17.6	10.1	13.9
23	3.9	1.5	2.6	8.2	5.8	7.0	11.0	5.9	8.4	17.9	10.6	14.3
24	3.3	1.4	2.3	8.4	4.1	6.3	12.3	6.8	9.6	15.2	10.8	13.3
25	2.6	1.1	1.9	9.0	2.6	6.0	13.9	7.1	10.6	16.9	9.6	13.2
26	4.3	1.5	2.5	7.3	2.4	5.4	11.8	7.5	9.7	17.9	11.3	14.7
27	5.2	1.7	3.2	4.8	1.1	3.0	10.6	5.8	8.3	19.2	11.1	15.2
28	6.0	2.0	3.5	7.8	0.8	4.3	12.1	6.9	9.5	19.6	11.6	15.7
29	---	---	---	8.1	1.6	4.5	11.5	7.0	9.4	18.3	11.8	15.3
30	---	---	---	9.8	2.7	6.4	13.2	7.5	10	18.8	12.6	15.6
31	---	---	---	11.3	4.4	8.0	---	---	---	20.2	12.9	16.5
MONTH	6.3	0.8	2.7	11.3	0.8	4.9	13.9	1.1	8.1	20.2	5.1	11.9

10133800 EAST CANYON CREEK NEAR JEREMY RANCH, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	19.2	13.5	16.5	21.5	14.9	18.2	23.5	16.8	20.1	20.1	14.1	17.2
2	18.1	11.2	14.8	21.4	14.4	18.0	21.9	17.6	19.6	20.9	15.8	18.0
3	17.5	10.9	14.3	21.2	14.6	17.9	21.9	17.6	19.4	21.5	14.9	18.1
4	16.9	10.8	13.9	20.4	14.2	17.6	22.9	16.2	19.3	21.0	14.7	18.0
5	18.1	10.5	14.4	21.6	14.2	17.8	21.5	15.6	18.7	20.1	16.6	18.2
6	17.7	11.4	14.7	21.3	14.6	18.0	20.4	16.4	18.6	19.8	16.1	17.7
7	18.4	12.3	15.2	21.9	15.6	18.8	21.9	16.2	18.8	21.4	14.7	17.7
8	18.9	11.8	15.3	21.2	15.7	18.4	21.8	16.4	18.8	19.1	15.6	17.0
9	17.7	13.8	15.6	21.0	14.2	17.6	22.1	17.0	19.4	16.6	14.1	15.2
10	16.3	12.5	14.7	21.7	14.0	17.9	21.7	16.8	19.2	15.6	12.5	13.9
11	19.1	12.3	15.3	22.1	15.5	18.8	22.7	16.7	19.2	17.6	11.3	14.0
12	17.9	14.1	15.7	22.5	16.1	19.4	19.7	17.2	18.6	17.7	11.9	14.2
13	17.6	12.7	15.2	22.0	16.5	19.4	21.7	17.6	19.2	17.3	10.5	13.6
14	20.0	12.6	16.2	22.4	15.8	19.3	21.3	17.3	18.7	17.2	9.7	13.1
15	20.3	13.9	17.2	22.2	17.1	19.6	21.1	17.3	18.9	17.5	10.5	13.8
16	19.8	14.2	17.0	22.2	17.1	19.5	20.9	17.3	18.7	17.4	12.8	15.0
17	19.5	13.7	16.2	23.0	17.8	20.1	21.4	16.1	18.6	15.8	12.1	13.8
18	19.6	13.1	16.3	23.3	17.9	20.3	21.0	15.0	17.9	15.9	9.9	12.5
19	17.7	14.4	16.1	23.6	17.7	20.5	20.7	15.0	17.8	15.8	10.1	12.3
20	18.4	13.4	15.7	23.4	18.7	20.7	20.2	16.0	17.9	16.5	10.5	13.1
21	16.9	14.1	15.1	22.9	17.7	20.3	20.2	17.1	18.5	16.5	10.5	13.2
22	17.4	12.0	14.7	23.5	17.3	20.2	19.9	17.1	18.4	17.0	10.5	13.5
23	15.2	10.0	11.8	23.4	17.9	20.5	20.6	16.2	18.4	17.2	10.9	13.7
24	11.4	9.0	10.1	23.9	18.2	20.8	20.9	15.9	18.5	17.1	10.8	13.7
25	15.7	9.3	12.2	23.3	19.0	21.1	23.1	15.7	19.1	16.7	9.2	13.2
26	18.0	10.7	14.3	24.1	19.0	21.3	20.6	15.7	18.3	16.9	10.5	13.5
27	19.1	12.2	15.6	24.2	18.0	20.9	22.5	17.5	19.4	17.5	11.2	14.0
28	19.9	12.9	16.5	23.4	17.8	20.4	21.6	15.0	18.2	17.7	11.4	14.3
29	21.3	13.8	17.4	22.5	17.2	20.1	19.9	16.1	17.7	17.7	11.6	14.4
30	21.3	15.3	18.3	23.1	16.6	19.8	20.3	15.0	17.5	17.3	11.2	14.2
31	---	---	---	22.0	17.1	19.6	20.4	14.4	17.4	---	---	---
MONTH	21.3	9.0	15.2	24.2	14.0	19.4	23.5	14.4	18.7	21.5	9.2	14.8
YEAR	24.2	0.1	9.3									

10134500 EAST CANYON CREEK NEAR MORGAN, UT

LOCATION.--Lat 40°55'21", long 111°36'23", in SW¼NW¼NW¼ sec. 10, T. 2 N., R. 3 E., Morgan County, Hydrologic Unit 16020102, on right bank 2,500 ft downstream from East Canyon Dam, 2.4 mi upstream from Sheep Canyon, and 8.7 mi southeast of Morgan.

DRAINAGE AREA.--144 mi^2.

PERIOD OF RECORD.--October 1931 to current year. Monthly discharge only prior to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder and Lyman rectangular weir. Elevation of gage is 5,460 ft above NGVD of 1929, from river-profile map.

REVISED RECORDS.--WSP 1634, WDR UT-77-1: Drainage area.

REMARKS.--Records good. No diversions between station and East Canyon Reservoir, which completely regulates flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 872 ft^3/s, May 4, 1952, gage height, 3.49 ft; minimum daily, 0.2 ft^3/s, Dec 19, 29, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 97 ft^3/s, Jun 20; minimum daily discharge, 4.7 ft^3/s, Nov 18, 19.

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	13	7.0	5.5	5.5	6.1	6.2	6.2	6.2	19	96	86	58
2	12	7.0	5.5	5.5	6.2	6.2	6.2	6.2	25	96	85	57
3	12	7.0	5.5	5.5	6.1	6.2	6.3	6.4	36	95	85	53
4	12	7.0	5.5	5.5	6.1	6.2	6.2	6.5	36	95	85	52
5	12	7.0	5.5	5.5	6.1	6.2	6.2	6.3	38	95	85	50
6	12	6.1	5.5	5.5	5.9	6.2	6.2	6.2	42	96	85	50
7	11	5.6	5.5	5.5	5.5	6.2	6.2	6.4	42	96	85	50
8	10	6.0	5.5	5.5	5.7	6.2	6.2	6.6	42	90	85	50
9	9.7	5.9	5.5	5.5	6.2	6.2	6.2	6.2	42	87	85	50
10	9.6	5.6	5.5	5.5	6.2	6.2	6.2	6.0	42	87	85	50
11	9.5	5.5	5.5	5.5	6.0	6.3	6.2	5.5	42	87	85	49
12	9.5	5.5	5.5	5.5	6.1	6.4	6.3	5.5	42	87	84	49
13	9.5	5.5	5.5	5.5	6.2	6.5	6.5	5.5	42	86	83	49
14	9.5	5.5	5.5	5.5	6.2	6.9	6.3	5.5	59	86	83	49
15	9.5	5.5	5.5	5.5	6.2	7.0	6.2	5.5	66	85	83	43
16	9.5	5.5	5.5	5.5	6.2	7.0	6.2	5.7	81	87	83	42
17	9.5	5.1	5.5	5.5	6.2	7.0	6.2	5.5	86	87	83	38
18	9.5	4.7	5.5	5.5	6.2	7.0	6.2	5.5	84	87	83	36
19	9.5	4.7	5.5	5.5	6.2	7.0	6.2	5.5	93	87	83	33
20	9.5	5.3	5.5	5.5	6.2	7.0	6.2	5.5	97	87	83	32
21	9.5	5.5	5.5	5.5	6.2	7.0	6.2	5.9	96	87	83	32
22	9.5	5.5	5.5	5.5	6.2	7.0	6.2	6.2	96	86	83	32
23	8.9	5.5	5.5	5.5	6.2	7.0	6.2	6.2	96	86	83	32
24	8.6	5.5	5.5	5.5	6.2	7.0	6.2	6.2	95	85	83	32
25	7.5	5.5	5.5	5.5	6.2	7.0	6.2	6.2	95	85	76	31
26	7.1	5.5	5.5	5.5	6.2	7.0	6.2	6.2	95	85	73	30
27	7.0	5.5	5.5	5.6	6.2	7.0	6.2	6.2	95	86	69	30
28	7.0	5.5	5.5	6.0	6.2	7.0	6.2	6.2	96	86	68	30
29	7.0	5.5	5.5	5.5	---	7.0	6.2	15	95	86	65	30
30	7.0	5.5	5.5	5.6	---	7.0	6.2	19	96	86	64	29
31	7.0	---	5.5	5.8	---	6.5	---	19	---	86	63	---
TOTAL	294.4	172.0	170.5	171.5	171.4	206.6	186.6	220.5	2,011	2,743	2,494	1,248
MEAN	9.50	5.73	5.50	5.53	6.12	6.66	6.22	7.11	67.0	88.5	80.5	41.6
MAX	13	7.0	5.5	6.0	6.2	7.0	6.5	19	97	96	86	58
MIN	7.0	4.7	5.5	5.5	5.5	6.2	6.2	5.5	19	85	63	29
AC-FT	584	341	338	340	340	410	370	437	3,990	5,440	4,950	2,480

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2003, BY WATER YEAR (WY)

MEAN	25.6	14.0	15.0	17.2	26.0	45.1	69.7	83.5	99.9	109	110	68.1
MAX	170	114	210	206	254	337	269	397	378	248	206	172
(WY)	(1969)	(1970)	(1984)	(1984)	(1985)	(1986)	(1948)	(1952)	(1983)	(1964)	(1975)	(1983)
MIN	3.66	1.10	1.10	1.26	1.50	1.93	2.68	5.04	7.30	54.5	32.8	6.70
(WY)	(1960)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1991)	(1967)	(1955)	(1941)	(1961)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1938 - 2003	
ANNUAL TOTAL	9,993.5		10,089.5			
ANNUAL MEAN	27.4		27.6		57.1	
HIGHEST ANNUAL MEAN					132	1984
LOWEST ANNUAL MEAN					17.8	1961
HIGHEST DAILY MEAN	151	Aug 15	97	Jun 20	768	May 5, 1952
LOWEST DAILY MEAN	3.4	Jan 7	4.7	Nov 18	0.20	Dec 19, 1964
ANNUAL SEVEN-DAY MINIMUM	4.0	Jan 3	5.2	Nov 14	1.1	Oct 30, 1960
ANNUAL RUNOFF (AC-FT)	19,820		20,010		41,340	
10 PERCENT EXCEEDS	73		86		152	
50 PERCENT EXCEEDS	7.0		6.5		28	
90 PERCENT EXCEEDS	4.7		5.5		4.7	

10136500 WEBER RIVER AT GATEWAY, UT

LOCATION.--Lat 41°08'13", long 111°49'54", in NE¼SW¼SW¼ sec. 27, T. 5 N., R. 1 E., Morgan County, Hydrologic Unit 16020102, on left bank 400 ft downstream from tailrace of Gateway powerplant, 500 ft upstream from Union Pacific Railroad bridge, 1,200 ft downstream from Strawberry Creek, and 3,200 ft east of section house at Gateway.

DRAINAGE AREA.--1,627 mi^2.

PERIOD OF RECORD.--November 1889 to June 1893, July to December 1893 (gage heights only), August 1894 to September 1899, August to November 1900, January to October 1901, April to June 1903 (gage heights and discharge measurements only), July to August 1919, August 1920 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Uinta" 1889-1903.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,800 ft above NGVD of 1929, by barometer. October 13, 1889 to July 11, 1903, nonrecording gage at site 1.2 mi downstream at different datum. June 22, 1919 to October 22, 1929, water-stage recorder at site 900 ft upstream at different datum. October 22, 1929 to November 27, 1964, at sites 1,300 ft downstream at different datums. November 27, 1964 to September 30, 1996, at present site at datum 10.0 ft lower.

REMARKS.--Records good except for estimated days, which are fair. Many diversions for irrigation above and below station. Water diverted above station by Gateway Canal since July 1957, part of which returns to river above station through tailrace of Gateway hydro-electric powerplant. Flow regulated by Rockport, Echo, Lost Creek, and East Canyon Reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 7,980 ft^3/s, May 31, 1896; minimum recorded, 18 ft^3/s, Nov 13, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 406 ft^3/s, Sep 10, gage height, 12.65 ft; minimum daily discharge, 43 ft^3/s, Jan 7, 8.

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	e202	51	63	51	139	70	e133	238	144	154	182	183
2	203	50	64	46	142	70	136	221	165	165	174	182
3	150	49	73	53	108	72	146	216	139	190	246	179
4	119	54	71	54	96	75	142	221	124	180	251	207
5	104	54	62	52	79	81	133	225	129	168	194	205
6	104	59	57	48	70	74	134	196	139	154	172	205
7	100	56	53	43	72	70	137	191	133	171	178	218
8	110	76	52	43	86	71	146	188	149	174	171	243
9	101	131	54	44	68	83	152	211	177	206	209	281
10	86	104	50	50	65	102	150	212	208	184	194	355
11	69	80	59	57	60	120	160	218	166	180	211	331
12	60	67	57	57	56	138	198	209	135	172	191	314
13	56	64	55	52	62	146	242	235	143	154	183	296
14	79	62	64	50	93	195	288	265	170	152	184	282
15	84	58	62	53	132	e235	344	308	146	191	209	295
16	72	56	57	48	123	274	264	298	158	184	194	265
17	82	55	70	49	113	e214	222	279	120	179	209	266
18	67	54	71	46	105	154	262	264	140	182	207	293
19	60	48	66	48	94	140	270	227	145	172	178	297
20	61	47	59	47	88	e140	246	163	151	191	186	260
21	63	47	52	47	85	e139	237	160	218	202	197	255
22	59	51	52	45	82	e141	254	203	243	150	210	244
23	60	56	47	49	79	e142	257	187	255	166	254	240
24	57	55	48	51	71	e140	250	210	271	200	214	234
25	62	50	45	53	76	e141	278	197	208	211	194	242
26	65	45	46	50	78	143	361	191	145	249	185	224
27	60	67	47	61	74	146	322	170	139	222	193	216
28	59	53	51	191	70	126	319	136	144	162	180	235
29	58	60	49	142	---	e127	331	125	169	154	186	247
30	57	56	51	119	---	e130	294	146	164	166	224	246
31	53	---	56	148	---	e129	---	146	---	174	197	---
TOTAL	2,622	1,815	1,763	1,947	2,466	4,028	6,808	6,456	4,937	5,559	6,157	7,540
MEAN	84.6	60.5	56.9	62.8	88.1	130	227	208	165	179	199	251
MAX	203	131	73	191	142	274	361	308	271	249	254	355
MIN	53	45	45	43	56	70	133	125	120	150	171	179
AC-FT	5,200	3,600	3,500	3,860	4,890	7,990	13,500	12,810	9,790	11,030	12,210	14,960

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1921 - 2003, BY WATER YEAR (WY)

MEAN	241	205	218	234	288	502	974	1,497	1,110	532	448	355
MAX	896	548	1,463	1,330	1,947	2,575	3,000	4,798	4,239	1,161	828	1,196
(WY)	(1985)	(1983)	(1984)	(1984)	(1986)	(1986)	(1986)	(1952)	(1983)	(1975)	(1983)	(1983)
MIN	57.9	58.0	43.6	45.7	49.2	67.8	105	208	165	179	156	62.3
(WY)	(1993)	(1962)	(1993)	(1991)	(1993)	(1964)	(1977)	(2003)	(2003)	(2003)	(1924)	(1934)

10136500 WEBER RIVER AT GATEWAY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1921 - 2003	
ANNUAL TOTAL	64,942		52,098			
ANNUAL MEAN	178		143		551	
HIGHEST ANNUAL MEAN					1,397	1986
LOWEST ANNUAL MEAN					143	2003
HIGHEST DAILY MEAN	773	Apr 27	361	Apr 26	7,390	May 5, 1952
LOWEST DAILY MEAN	45	Nov 26	43	Jan 7	32	Jan 4, 1993
ANNUAL SEVEN-DAY MINIMUM	48	Dec 23	47	Jan 16	35	Jan 31, 1962
ANNUAL RUNOFF (AC-FT)	128,800		103,300		399,400	
10 PERCENT EXCEEDS	349		250		1,300	
50 PERCENT EXCEEDS	161		142		349	
90 PERCENT EXCEEDS	54		52		97	

e Estimated

10137500 SOUTH FORK OGDEN RIVER NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°16'07", long 111°40'24", in SE¼NE¼SW¼ sec. 12, T. 6 N., R. 2 E., Weber County, Hydrologic Unit 16020102, on right bank 0.5 mi downstream from Magpie Creek, 0.5 mi upstream from Huntsville Mountain Canal, 5.0 mi downstream from Causey Dam, and 5.0 mi east of Huntsville.

DRAINAGE AREA.--137 mi^2.

PERIOD OF RECORD.--March 1921 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,190 ft above NGVD of 1929, by barometer. Prior to August 14, 1934, at site 300 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. One small diversion above station. Flow regulated by Causey Reservoir since January 4, 1966.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft^3/s, May 3, 1952, gage height, 5.98 ft; minimum, 9.0 ft^3/s, Feb 28, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 269 ft^3/s, May 14, gage height, 2.61 ft; minimum daily discharge, 33 ft^3/s, Sep 28, 29, 30.

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	40	37	36	41	51	40	61	74	94	74	81	48
2	40	37	36	41	51	40	65	72	88	78	81	48
3	39	36	36	40	47	40	64	72	77	80	82	47
4	38	36	36	40	47	41	61	75	77	79	80	46
5	38	36	36	40	46	42	60	73	74	80	78	46
6	39	36	35	40	54	42	59	70	71	80	75	46
7	39	36	35	40	48	41	58	68	66	81	75	45
8	39	40	35	41	48	40	57	75	64	84	74	43
9	38	45	35	42	44	41	59	84	61	87	66	42
10	38	38	35	41	40	42	63	87	65	88	59	43
11	38	37	35	40	39	44	73	94	65	88	57	41
12	38	36	36	40	39	48	89	92	65	89	56	38
13	38	36	35	40	39	52	99	113	65	90	58	38
14	37	36	35	40	42	61	100	206	64	89	57	38
15	36	36	36	40	43	62	108	227	61	90	53	38
16	36	35	36	40	44	70	90	238	58	90	56	37
17	36	35	38	40	44	66	85	241	58	90	57	40
18	36	35	36	41	43	59	87	226	57	90	56	42
19	36	35	36	41	43	55	81	199	62	90	56	42
20	36	35	36	41	42	54	78	181	66	87	56	41
21	36	36	36	41	42	53	79	171	68	87	55	39
22	36	36	36	40	42	55	81	167	67	88	53	36
23	36	36	37	38	41	60	81	163	65	87	57	34
24	37	37	38	39	40	59	77	159	68	87	55	34
25	37	36	38	39	40	57	80	149	67	88	51	34
26	36	36	38	39	40	61	85	133	66	90	51	34
27	36	36	38	40	40	60	79	132	66	89	52	34
28	36	36	36	50	40	57	77	124	66	87	50	33
29	37	36	40	47	---	55	77	113	73	83	49	33
30	37	36	44	46	---	54	77	111	71	82	49	33
31	37	---	41	49	---	55	---	96	---	82	49	---
TOTAL	1,156	1,094	1,136	1,277	1,219	1,606	2,290	4,085	2,035	2,654	1,884	1,193
MEAN	37.3	36.5	36.6	41.2	43.5	51.8	76.3	132	67.8	85.6	60.8	39.8
MAX	40	45	44	50	54	70	108	241	94	90	82	48
MIN	36	35	35	38	39	40	57	68	57	74	49	33
AC-FT	2,290	2,170	2,250	2,530	2,420	3,190	4,540	8,100	4,040	5,260	3,740	2,370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1922 - 2003, BY WATER YEAR (WY)

MEAN	42.8	40.4	43.0	43.6	51.8	95.3	272	428	165	72.7	59.9	49.2
MAX	86.0	94.0	145	108	216	419	704	931	554	149	117	104
(WY)	(1985)	(1984)	(1984)	(1971)	(1986)	(1986)	(1986)	(1984)	(1983)	(1975)	(1984)	(1984)
MIN	22.2	19.2	21.0	21.2	17.0	15.7	26.3	37.7	28.4	23.8	23.1	24.2
(WY)	(1978)	(1978)	(1978)	(1977)	(1977)	(1977)	(1977)	(1934)	(1934)	(1934)	(1934)	(1934)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1922 - 2003	
ANNUAL TOTAL	30,217		21,629			
ANNUAL MEAN	82.8		59.3		114	
HIGHEST ANNUAL MEAN					260	1986
LOWEST ANNUAL MEAN					36.8	1977
HIGHEST DAILY MEAN	424	May 7	241	May 17	1,640	May 5, 1936
LOWEST DAILY MEAN	35	Nov 16	33	Sep 28	13	Feb 26, 1977
ANNUAL SEVEN-DAY MINIMUM	35	Dec 5	34	Sep 24	13	Feb 28, 1977
ANNUAL RUNOFF (AC-FT)	59,940		42,900		82,500	
10 PERCENT EXCEEDS	168		89		268	
50 PERCENT EXCEEDS	56		47		52	
90 PERCENT EXCEEDS	36		36		32	

10140100 OGDEN RIVER BELOW PINEVIEW RESERVOIR, NEAR HUNTSVILLE, UT

LOCATION.--Lat 41°15'16", long 111°51'18", in SE¼NE¼SE¼ sec. 17, T. 6 N., R. 1 E., Weber County, Hydrologic Unit 16020102, on left bank 3,000 ft downstream from Pineview Dam, and 5.0 mi west of Huntsville.

DRAINAGE AREA.--323 mi^2.

PERIOD OF RECORD.--October 1988 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,760 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Flow extensively regulated by Pineview Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,430 ft^3/s, May 5, 1999, gage height, 6.90 ft; minimum daily, 4.0 ft^3/s, Jan 10, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 266 ft^3/s, Aug 28, gage height, 3.55 ft; minimum daily discharge, 5.0 ft^3/s, Sep 11.

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	21	11	7.8	8.0	12	10	15	15	37	18	34	217
2	7.3	10	7.6	9.4	12	9.9	15	17	30	15	28	207
3	7.1	10	7.4	9.7	8.6	10	14	15	52	33	30	200
4	7.1	12	7.3	9.7	10	10	12	19	62	29	23	179
5	7.5	13	7.3	9.7	9.3	8.9	12	21	68	26	19	143
6	7.6	13	7.3	9.5	8.3	8.4	11	18	77	28	21	136
7	7.6	13	7.3	7.9	9.3	6.9	11	17	83	35	22	161
8	7.7	14	7.3	9.4	11	11	13	16	84	37	25	160
9	7.7	14	7.2	9.4	10	8.9	14	23	74	39	29	85
10	7.8	13	7.1	9.4	10	10	14	27	55	32	28	23
11	7.6	13	7.0	9.6	10	12	14	24	40	27	67	5.0
12	7.6	13	6.6	9.7	11	15	15	20	101	27	80	11
13	7.6	12	6.5	9.6	11	17	15	19	175	27	81	11
14	7.6	11	6.5	9.4	10	27	15	20	168	27	153	11
15	7.7	9.4	6.5	9.4	9.3	22	15	23	166	27	196	12
16	7.9	9.4	6.6	9.3	9.9	32	13	26	144	21	209	15
17	7.9	9.3	6.9	9.4	9.6	20	13	28	125	22	197	21
18	7.9	9.2	6.6	9.4	8.9	15	16	27	135	26	184	14
19	7.9	9.2	6.7	9.6	8.7	12	15	27	131	26	194	14
20	8.0	9.1	7.1	9.7	8.6	13	14	25	131	26	202	15
21	8.7	8.8	7.0	9.6	8.6	13	13	24	123	26	216	15
22	9.5	8.9	6.4	9.6	9.6	15	14	26	77	26	201	15
23	10	8.9	6.2	9.7	10	21	14	27	38	24	176	39
24	11	9.0	6.2	9.7	9.9	18	14	28	23	24	161	40
25	12	8.8	6.2	9.4	10	15	13	29	16	32	180	23
26	11	8.4	6.1	9.4	10	18	15	30	15	33	233	19
27	11	7.6	6.6	10	10	16	15	38	16	35	222	19
28	11	7.6	7.3	19	10	13	15	38	16	43	231	26
29	11	7.7	7.3	9.5	---	12	14	31	16	34	240	32
30	11	7.7	6.8	10	---	11	15	37	16	30	222	17
31	11	---	7.4	12	---	12	---	40	---	32	196	---
TOTAL	283.3	311.0	214.1	305.1	275.6	443.0	418	775	2,294	887	4,100	1,885.0
MEAN	9.14	10.4	6.91	9.84	9.84	14.3	13.9	25.0	76.5	28.6	132	62.8
MAX	21	14	7.8	19	12	32	16	40	175	43	240	217
MIN	7.1	7.6	6.1	7.9	8.3	6.9	11	15	15	15	19	5.0
AC-FT	562	617	425	605	547	879	829	1,540	4,550	1,760	8,130	3,740

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2003, BY WATER YEAR (WY)

MEAN	13.5	10.0	20.5	14.7	33.0	117	176	294	198	141	122	49.2
MAX	23.8	14.4	170	80.6	175	475	613	1,023	551	440	230	138
(WY)	(1993)	(1989)	(1992)	(1997)	(1997)	(1997)	(1998)	(1999)	(1998)	(2002)	(1991)	(1995)
MIN	8.44	7.38	6.45	6.01	6.30	7.47	10.5	23.5	32.8	22.8	15.6	10.8
(WY)	(1992)	(1990)	(1991)	(1992)	(1991)	(1991)	(1992)	(1992)	(1992)	(1992)	(2002)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1989 - 2003	
ANNUAL TOTAL	28,011.0		12,191.1			
ANNUAL MEAN	76.7		33.4		99.4	
HIGHEST ANNUAL MEAN					234	1997
LOWEST ANNUAL MEAN					29.2	1992
HIGHEST DAILY MEAN	776	Jul 12	240	Aug 29	1,370	May 6, 1999
LOWEST DAILY MEAN	6.1	Dec 26	5.0	Sep 11	4.0	Jan 10, 1992
ANNUAL SEVEN-DAY MINIMUM	6.4	Dec 21	6.4	Dec 21	4.2	Jan 10, 1992
ANNUAL RUNOFF (AC-FT)	55,560		24,180		72,000	
10 PERCENT EXCEEDS	314		91		270	
50 PERCENT EXCEEDS	12		14		18	
90 PERCENT EXCEEDS	7.6		7.6		7.8	

10141000 WEBER RIVER NEAR PLAIN CITY, UT

LOCATION.--Lat 41°16'42", long 112°05'28", in NW¼NW¼NE¼ sec. 8, T. 6 N., R. 2 W., Weber County, Hydrologic Unit 16020102, on upstream side of right highway bridge abutment, on State Highway 40, 1 mi downstream from Fourmile Creek, 1.5 mi south of Plain City, and 6 mi upstream from mouth.

DRAINAGE AREA.--2,081 mi^2.

PERIOD OF RECORD.--January 1904 to current year. Monthly discharge only for some periods, published in WSP 1314.

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

GAGE.--Water-stage recorder. Datum of gage is 4,207.10 ft above NGVD of 1929. Prior to August 29, 1949, nonrecording gage at same site and datum, and August 30, 1949 to June 22, 1966, water-stage recorder on right bank 50 ft upstream at same datum. Prior to October 1, 1986 at datum 10.0 ft lower.

REMARKS.--Records good except for estimated daily discharges, which are fair. Practically entire flow is diverted during summer months for irrigation above station. Flow regulated by Rockport, Echo, Lost Creek, East Canyon, and Pine View Reservoirs; also diversion above station to Willard Bay Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,100 ft^3/s, May 6, 1952, gage height, 19.01 ft datum then in use; practically no flow during latter part of several summers since 1915.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 426 ft^3/s, Nov 9, gage height, 13.45 ft; minimum daily discharge, 30 ft^3/s, Jun 21.

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	156	112	73	93	53	53	51	59	42	48	49	e55
2	217	105	73	81	73	55	52	61	e45	35	56	e57
3	148	122	75	106	57	54	56	91	e40	39	78	e54
4	153	145	86	96	51	53	54	107	e41	55	138	e56
5	138	126	83	115	50	54	52	101	e40	50	80	74
6	122	125	75	108	48	72	52	62	41	38	58	57
7	106	127	71	76	47	57	54	81	54	39	71	57
8	118	164	69	109	46	51	54	99	70	38	67	63
9	119	352	71	113	48	50	52	174	83	41	54	e102
10	110	e251	72	120	53	50	54	83	119	54	66	e160
11	106	e198	69	96	46	64	54	92	e132	47	61	e149
12	88	162	72	115	46	52	105	54	e66	46	50	e142
13	71	109	71	106	46	50	140	55	55	55	41	121
14	67	102	69	72	52	48	115	82	63	45	39	109
15	101	89	75	67	52	55	96	81	80	41	40	107
16	99	82	79	65	49	66	93	92	76	46	50	99
17	102	76	143	62	50	59	43	53	56	51	54	79
18	104	76	106	59	49	52	129	37	46	42	58	97
19	95	75	93	51	49	52	76	31	39	49	52	119
20	94	69	85	50	50	51	66	35	35	44	47	107
21	95	65	79	49	51	51	83	36	30	51	44	77
22	98	65	73	48	51	50	105	36	78	54	71	67
23	123	61	72	49	52	48	82	77	63	43	112	62
24	123	71	66	49	52	50	63	104	87	42	97	68
25	118	70	63	49	54	50	68	90	55	54	82	52
26	116	67	64	48	53	50	101	96	44	87	61	58
27	111	67	63	48	52	59	120	96	38	e78	52	46
28	109	82	63	119	52	51	83	90	35	e65	52	43
29	114	81	66	62	---	49	74	76	35	e57	56	42
30	112	77	65	52	---	49	82	60	53	e53	74	54
31	115	---	78	50	---	50	---	45	---	e47	64	---
TOTAL	3,548	3,373	2,362	2,383	1,432	1,655	2,309	2,336	1,741	1,534	1,974	2,433
MEAN	114	112	76.2	76.9	51.1	53.4	77.0	75.4	58.0	49.5	63.7	81.1
MAX	217	352	143	120	73	72	140	174	132	87	138	160
MIN	67	61	63	48	46	48	43	31	30	35	39	42
AC-FT	7,040	6,690	4,690	4,730	2,840	3,280	4,580	4,630	3,450	3,040	3,920	4,830

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949 - 2003, BY WATER YEAR (WY)

MEAN	250	269	312	334	412	674	1,048	1,343	783	127	87.8	162
MAX	968	748	1,884	1,691	2,399	3,502	3,639	6,201	4,233	661	414	968
(WY)	(1985)	(1983)	(1984)	(1984)	(1986)	(1986)	(1986)	(1952)	(1983)	(1975)	(1983)	(1983)
MIN	27.4	20.7	41.8	35.4	40.8	44.5	59.7	15.0	10.3	6.26	3.00	27.4
(WY)	(1989)	(1962)	(1989)	(1989)	(1989)	(1977)	(1988)	(1961)	(1961)	(1961)	(1961)	(1956)

10141000 WEBER RIVER NEAR PLAIN CITY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1949 - 2003	
ANNUAL TOTAL	32,112		27,080			
ANNUAL MEAN	88.0		74.2		483	
HIGHEST ANNUAL MEAN					1,427	1986
LOWEST ANNUAL MEAN					65.3	1988
HIGHEST DAILY MEAN	390	May 22	352	Nov 9	9,970	May 6, 1952
LOWEST DAILY MEAN	30	Jun 22	30	Jun 21	1.0	Sep 1, 1961
ANNUAL SEVEN-DAY MINIMUM	39	Jun 21	40	Jun 27	1.0	Sep 1, 1961
ANNUAL RUNOFF (AC-FT)	63,690		53,710		350,000	
10 PERCENT EXCEEDS	127		117		1,290	
50 PERCENT EXCEEDS	76		64		182	
90 PERCENT EXCEEDS	52		45		50	

e Estimated

10143500 CENTERVILLE CREEK ABOVE DIVERSIONS NEAR CENTERVILLE, UT

LOCATION.--Lat 40°54'59", long 111°51'44", in SW¼SW¼SE¼ sec. 8, T. 2N S., R. 1 E., Davis County, Hydrologic Unit 16020102, 1.2 mi east of Centerville.

DRAINAGE AREA.--3.15 mi^2.

PERIOD OF RECORD.--October 1949 to September 1980, May 1, 1999 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. V-notch sharp crested weir since November 1960. Elevation of gage 4,680 ft above NGVD of 1929, from topographic map. Prior to November 21, 1960, at site 250 ft downstream at different datum.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 39 ft^3/s, May 19, 2002, gage height, 2.44 ft; minimum daily recorded, 0.48 ft^3/s, Jul 30, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.2 ft^3/s, May 17, gage height, 0.98 ft; minimum daily discharge, 0.48 ft^3/s, Jul 30.

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	1.4	1.1	1.2	1.2	1.5	1.2	1.8	2.3	2.5	1.1	0.49	0.59
2	1.2	1.2	1.2	1.2	1.5	1.1	1.8	2.2	2.4	1.0	0.59	0.58
3	1.1	1.3	1.2	1.2	1.3	1.1	1.7	2.2	2.2	1.0	0.89	0.57
4	1.1	1.3	1.2	1.2	1.3	1.2	1.5	2.4	2.1	1.0	0.79	0.56
5	1.1	1.2	1.2	1.2	1.2	1.2	1.5	2.4	1.8	0.99	0.68	0.57
6	1.1	1.1	1.2	1.2	1.2	1.2	1.5	2.5	1.7	0.97	0.66	0.56
7	1.1	1.2	1.2	1.2	1.2	1.2	1.5	2.6	1.7	0.95	0.66	0.59
8	1.1	1.5	1.2	1.2	1.2	1.2	1.5	2.6	1.6	0.92	0.64	0.56
9	1.1	1.4	1.1	1.2	1.2	1.2	1.7	2.6	1.5	0.89	0.62	0.72
10	1.1	1.3	1.2	1.3	1.2	1.2	1.9	2.9	1.5	0.87	0.62	0.88
11	1.1	1.3	1.2	1.2	1.2	1.3	2.1	2.9	1.4	0.85	0.61	0.71
12	1.1	1.2	1.2	1.2	1.2	1.4	2.3	3.0	1.4	0.83	0.62	0.68
13	1.1	1.3	1.2	1.2	1.3	1.5	2.5	2.9	1.3	0.81	0.61	0.68
14	1.1	1.2	1.2	1.2	1.4	1.8	2.7	3.1	1.3	0.79	0.60	0.67
15	1.1	1.2	1.2	1.2	1.3	1.7	2.7	3.3	1.3	0.76	0.55	0.65
16	1.1	1.2	1.2	1.2	1.3	1.8	2.3	3.6	1.4	0.72	0.57	0.65
17	1.1	1.2	1.2	1.2	1.3	1.6	2.2	3.6	1.4	0.72	0.57	0.80
18	1.1	1.2	1.3	1.1	1.3	1.5	2.7	3.4	1.3	0.72	0.56	0.75
19	1.1	1.2	1.2	1.2	1.3	1.4	2.5	3.3	1.3	0.72	0.55	0.71
20	1.1	1.2	1.2	1.2	1.3	1.4	2.6	3.3	1.3	0.71	0.54	0.69
21	1.0	1.2	1.2	1.2	1.2	1.3	2.8	3.2	1.6	0.69	0.56	0.67
22	1.1	1.2	1.2	1.2	1.2	1.4	3.1	3.2	1.2	0.66	0.66	0.66
23	1.2	1.2	1.2	1.3	1.2	1.6	2.9	3.2	1.7	0.66	0.57	0.65
24	1.2	1.2	1.2	1.2	1.2	1.5	2.6	3.3	1.4	0.66	0.56	0.65
25	1.1	1.2	1.2	1.2	1.2	1.5	2.7	3.4	1.5	0.71	0.58	0.64
26	1.1	1.2	1.2	1.2	1.2	1.7	2.9	3.3	1.7	0.60	0.57	0.65
27	1.2	1.2	1.2	1.3	1.2	1.5	2.7	3.2	1.4	0.54	0.50	0.67
28	1.2	1.2	1.2	1.7	1.2	1.4	2.6	3.1	1.2	0.52	0.56	0.71
29	1.1	1.2	1.2	1.3	---	1.4	2.6	2.9	1.2	0.50	0.60	0.67
30	1.2	1.2	1.2	1.3	---	1.4	2.4	2.8	1.1	0.48	0.64	0.65
31	1.1	---	1.2	1.4	---	1.5	---	2.7	---	0.50	0.60	---
TOTAL	34.9	36.8	37.2	38.3	35.3	43.4	68.3	91.4	46.4	23.84	18.82	19.79
MEAN	1.13	1.23	1.20	1.24	1.26	1.40	2.28	2.95	1.55	0.77	0.61	0.66
MAX	1.4	1.5	1.3	1.7	1.5	1.8	3.1	3.6	2.5	1.1	0.89	0.88
MIN	1.0	1.1	1.1	1.1	1.2	1.1	1.5	2.2	1.1	0.48	0.49	0.56
AC-FT	69	73	74	76	70	86	135	181	92	47	37	39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-80, 1999-2003, BY WATER YEAR (WY)

MEAN	1.37	1.42	1.39	1.38	1.43	1.93	4.84	10.3	6.16	2.29	1.40	1.26
MAX	2.22	2.06	2.00	2.23	2.25	5.49	10.2	21.1	17.4	6.31	3.00	2.10
(WY)	(1976)	(1972)	(1972)	(1972)	(1971)	(1972)	(1974)	(1952)	(1975)	(1975)	(1975)	(1975)
MIN	0.82	0.90	0.89	0.88	1.00	0.88	1.92	2.07	0.97	0.56	0.55	0.65
(WY)	(1962)	(1962)	(1955)	(1962)	(2002)	(1955)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1950-80, 1999-2003	
ANNUAL TOTAL	827.74		494.45			
ANNUAL MEAN	2.27		1.35		2.91	
HIGHEST ANNUAL MEAN					4.99	1974
LOWEST ANNUAL MEAN					1.08	1961
HIGHEST DAILY MEAN	11	May 19	3.6	May 16	35	May 20, 1975
LOWEST DAILY MEAN	0.64	Jul 31	0.48	Jul 30	0.48	Jul 30, 2003
ANNUAL SEVEN-DAY MINIMUM	0.68	Jul 27	0.52	Jul 27	0.50	Jul 17, 1961
ANNUAL RUNOFF (AC-FT)	1,640		981		2,110	
10 PERCENT EXCEEDS	6.3		2.6		6.9	
50 PERCENT EXCEEDS	1.2		1.2		1.6	
90 PERCENT EXCEEDS	0.88		0.62		1.0	

10145400 SALT CREEK BELOW NEPHI POWERPLANT DIVERSION, NEAR NEPHI, UT

LOCATION.--Lat 39°43'02", long 111°43'58", in SE¼SW¼NW¼ sec. 5, T. 13 S., R. 2 E., Juab County, Hydrologic Unit 16020201, on right bank 5.6 mi east of Nephi, 0.2 mi below confluence with Hopp Creek, 200 ft downstream from Nephi powerplant diversion dam, and 115 ft below mouth of Bradley's Canyon.

DRAINAGE AREA.--60.0 mi^2.

PERIOD OF RECORD.--September 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,750 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Flow at gage is extensively regulated by Nephi City at powerplant diversion dam 200 ft above gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 263 ft^3/s, May 1, 1998, gage height, 6.34 ft; minimum daily discharge, 2.0 ft^3/s, Dec 25-29, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 66 ft^3/s, May 29, gage height, 5.53 ft; minimum daily discharge, 3.0 ft^3/s, Nov 22, 23, Dec 17.

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	4.3	3.8	3.2	5.7	5.6	6.5	6.2	6.5	48	9.3	7.3	6.2
2	3.6	5.0	3.2	5.1	6.0	6.1	6.2	6.5	39	9.3	7.8	6.3
3	4.1	5.4	3.2	5.7	5.8	6.2	6.2	6.5	28	8.9	8.3	5.8
4	4.0	5.6	3.2	5.7	5.7	6.5	6.2	6.7	22	8.6	7.8	5.6
5	3.8	5.7	3.2	5.5	4.8	6.2	6.2	6.8	18	8.6	7.2	5.8
6	3.6	5.7	3.2	5.5	4.8	6.2	6.2	6.8	16	8.6	6.7	5.8
7	3.6	5.7	3.2	5.1	4.7	6.2	6.2	6.8	15	9.6	6.2	6.0
8	3.6	6.0	3.2	4.8	4.8	6.2	6.2	6.8	13	9.2	6.3	6.0
9	3.6	8.2	3.2	5.0	5.4	6.2	6.2	6.8	12	9.1	6.2	6.3
10	3.6	6.6	3.2	5.4	5.4	5.3	6.2	6.8	11	9.0	5.8	6.6
11	3.6	6.8	3.2	5.3	5.7	3.7	6.2	6.8	10	9.1	5.7	6.3
12	3.6	5.4	3.2	5.2	5.6	3.6	6.2	6.9	11	9.1	4.7	6.0
13	3.6	3.6	3.2	5.3	5.9	3.5	6.9	8.2	9.4	9.1	5.5	5.9
14	3.6	3.6	3.2	5.2	6.5	3.5	6.2	12	8.2	8.4	6.0	5.8
15	3.6	3.5	3.1	5.2	6.3	3.5	6.1	18	7.7	8.4	6.4	5.7
16	3.6	3.3	3.1	5.0	6.3	3.6	6.1	27	7.9	8.3	6.2	5.4
17	3.6	3.3	3.0	5.2	6.3	3.6	6.0	35	8.8	8.2	6.1	5.3
18	3.6	3.2	3.2	5.0	6.2	3.6	7.1	47	8.6	8.3	5.9	5.5
19	3.6	3.2	3.2	5.0	6.2	3.5	6.2	46	10	8.0	5.8	5.6
20	3.6	3.1	3.2	5.2	6.2	3.6	6.7	34	13	7.4	5.7	5.5
21	3.6	3.1	3.2	5.2	4.5	3.6	6.1	32	11	7.3	6.1	5.3
22	3.6	3.0	3.2	5.2	3.2	3.6	6.1	36	8.6	7.2	8.0	5.3
23	3.6	3.0	3.3	5.2	3.2	3.6	6.2	42	9.4	8.1	7.6	5.3
24	3.6	3.1	4.4	5.2	4.7	3.6	6.2	44	14	7.9	6.9	5.3
25	3.6	3.2	5.3	5.2	6.5	3.6	6.3	46	11	7.8	6.7	5.3
26	3.6	3.2	5.3	5.4	6.5	5.0	6.7	50	9.7	7.7	6.4	5.3
27	3.6	3.2	5.7	5.4	6.3	3.6	6.5	49	11	7.5	6.5	5.2
28	3.6	3.2	5.6	5.6	6.3	3.6	6.6	54	11	7.4	6.2	5.0
29	3.6	3.2	5.7	5.5	---	3.6	6.5	59	11	7.4	6.1	4.9
30	3.6	3.2	5.6	5.5	---	3.4	6.5	60	11	7.1	6.8	4.7
31	3.6	---	5.7	5.5	---	5.1	---	55	---	7.0	6.2	---
TOTAL	113.4	128.1	116.6	164.0	155.4	139.6	189.4	834.9	424.3	256.9	201.1	169.0
MEAN	3.66	4.27	3.76	5.29	5.55	4.50	6.31	26.9	14.1	8.29	6.49	5.63
MAX	4.3	8.2	5.7	5.7	6.5	6.5	7.1	60	48	9.6	8.3	6.6
MIN	3.6	3.0	3.0	4.8	3.2	3.4	6.0	6.5	7.7	7.0	4.7	4.7
AC-FT	225	254	231	325	308	277	376	1,660	842	510	399	335

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

MEAN	4.65	4.58	4.01	3.90	4.06	9.55	23.1	48.8	35.3	15.2	7.60	7.42
MAX	6.73	6.94	6.03	5.42	5.55	28.8	60.6	102	88.6	47.5	10.2	10.4
(WY)	(1995)	(1995)	(1995)	(2002)	(2003)	(1997)	(1997)	(1998)	(1995)	(1995)	(1998)	(1999)
MIN	2.80	3.23	2.30	2.94	3.36	3.46	6.27	8.74	7.01	5.94	4.56	4.66
(WY)	(1994)	(1994)	(1994)	(1994)	(2001)	(1994)	(2002)	(2002)	(2002)	(2000)	(2002)	(2001)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	2,023.9		2,892.7			
ANNUAL MEAN	5.54		7.93		14.0	
HIGHEST ANNUAL MEAN					27.9	1998
LOWEST ANNUAL MEAN					5.99	2002
HIGHEST DAILY MEAN	23	Jun 1	60	May 30	208	May 1, 1998
LOWEST DAILY MEAN	3.0	Nov 22	3.0	Nov 22	2.0	Dec 26, 1993
ANNUAL SEVEN-DAY MINIMUM	3.1	Nov 18	3.1	Nov 18	2.1	Dec 22, 1993
ANNUAL RUNOFF (AC-FT)	4,010		5,740		10,180	
10 PERCENT EXCEEDS	7.4		11		37	
50 PERCENT EXCEEDS	5.4		5.8		5.9	
90 PERCENT EXCEEDS	3.3		3.2		3.3	

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	

10146400 CURRANT CREEK NEAR MONA, UT

LOCATION.--Lat 39°48'09", long 111°51'44", in NE¼SW¼NW¼, sec. 6, T. 12 S., R. 1 E., Juab County, Hydrologic Unit 16020201, on left bank 40 ft upstream from bridge crossing, 800 ft downstream from Burriston ponds, 0.5 mi upstream from Mona Reservoir, 1 mi southwest of Mona.

DRAINAGE AREA.--225 mi^2.

PERIOD OF RECORD.--June 1978 to current year.

REVISED RECORDS.--WDR UT-84-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,890 ft above NGVD of 1929, from topographic map. Prior to June 10, 1985, at same site, different datum. Prior to October 1, 1992, at same site, different datum.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 595 ft^3/s, May 14, 1984, gage height, 6.30 ft; maximum gage height, 6.77 ft, May 31, 1983, site and datum then in use; minimum, 0.87 ft^3/s, Sep 2, 3, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 35 ft^3/s, Mar19, gage height, 4.97 ft; minimum discharge, 2.7 ft^3/s, Aug 14, 15.

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	4.1	4.4	5.1	5.9	7.8	11	10	8.7	6.1	3.8	3.1	2.9
2	4.6	4.5	5.2	6.0	7.9	11	9.1	8.7	6.2	3.6	3.1	3.0
3	5.0	4.4	5.2	6.3	8.8	11	9.1	8.9	5.5	3.6	3.1	3.0
4	4.7	4.3	5.1	6.8	8.8	12	9.6	9.7	4.8	3.5	2.9	2.9
5	4.2	4.3	5.1	6.7	7.9	12	11	9.8	3.1	3.5	2.9	2.9
6	4.0	4.3	5.2	7.0	7.2	11	11	9.5	5.7	3.5	3.0	2.9
7	3.9	4.3	5.2	6.8	6.7	10	11	9.3	7.4	3.5	3.0	3.0
8	3.9	4.6	5.2	6.3	6.3	9.3	10	17	5.7	3.4	3.0	3.1
9	3.9	5.7	5.2	6.3	6.5	8.9	9.9	18	5.2	3.4	3.9	3.1
10	3.9	5.3	5.3	7.3	6.6	8.8	9.5	16	5.2	3.4	4.0	e3.3
11	4.0	5.2	5.3	7.8	7.1	8.7	9.1	14	5.3	3.3	3.2	e3.4
12	3.8	5.2	5.4	7.7	7.9	8.7	8.8	11	5.1	3.3	3.0	3.4
13	3.6	5.1	5.4	7.5	11	8.7	8.5	9.4	5.0	3.2	2.9	3.4
14	4.2	4.8	5.4	7.6	15	8.7	8.3	8.6	4.7	3.0	2.8	3.4
15	4.6	4.6	5.4	7.7	14	8.8	8.9	8.1	4.5	3.2	2.8	3.4
16	4.4	4.7	5.5	7.1	11	10	9.7	8.1	4.2	3.2	3.0	3.5
17	4.4	4.8	6.8	7.1	9.7	19	9.4	8.1	3.5	3.2	3.0	3.5
18	4.4	4.7	6.4	6.9	8.8	31	10	8.3	3.9	3.1	2.9	3.5
19	4.4	4.6	5.6	6.8	8.3	32	11	8.2	4.2	3.1	2.9	3.6
20	4.3	4.6	5.3	7.1	8.3	25	10	8.9	4.1	3.1	2.9	3.6
21	4.3	4.6	5.4	7.6	8.1	16	9.1	7.8	4.1	3.1	2.9	3.7
22	4.3	4.6	5.4	7.5	8.0	13	9.6	7.3	4.0	3.0	2.9	3.7
23	4.4	4.9	5.4	7.5	7.9	12	13	6.9	3.9	3.1	3.0	3.7
24	4.4	5.1	5.3	7.8	7.8	14	12	7.1	4.3	3.0	2.9	3.7
25	4.2	5.0	5.2	7.7	8.6	14	10	7.0	4.3	3.0	2.9	3.7
26	4.2	4.9	5.2	7.6	9.9	12	8.8	6.5	4.0	3.1	2.9	3.8
27	4.4	4.9	5.2	7.9	9.7	13	8.4	5.6	3.7	3.0	2.9	3.8
28	4.4	4.9	5.3	8.4	9.9	12	8.4	6.8	3.4	2.9	2.9	3.9
29	4.4	5.0	5.6	8.4	---	12	8.3	6.3	5.0	2.9	2.9	3.9
30	4.4	4.9	5.6	8.2	---	11	8.3	5.9	4.8	2.9	3.0	4.0
31	4.4	---	5.8	7.9	---	11	---	5.7	---	3.0	3.0	---
TOTAL	132.1	143.2	167.7	225.2	245.5	405.6	289.8	281.2	140.9	99.9	93.6	102.7
MEAN	4.26	4.77	5.41	7.26	8.77	13.1	9.66	9.07	4.70	3.22	3.02	3.42
MAX	5.0	5.7	6.8	8.4	15	32	13	18	7.4	3.8	4.0	4.0
MIN	3.6	4.3	5.1	5.9	6.3	8.7	8.3	5.6	3.1	2.9	2.8	2.9
AC-FT	262	284	333	447	487	805	575	558	279	198	186	204

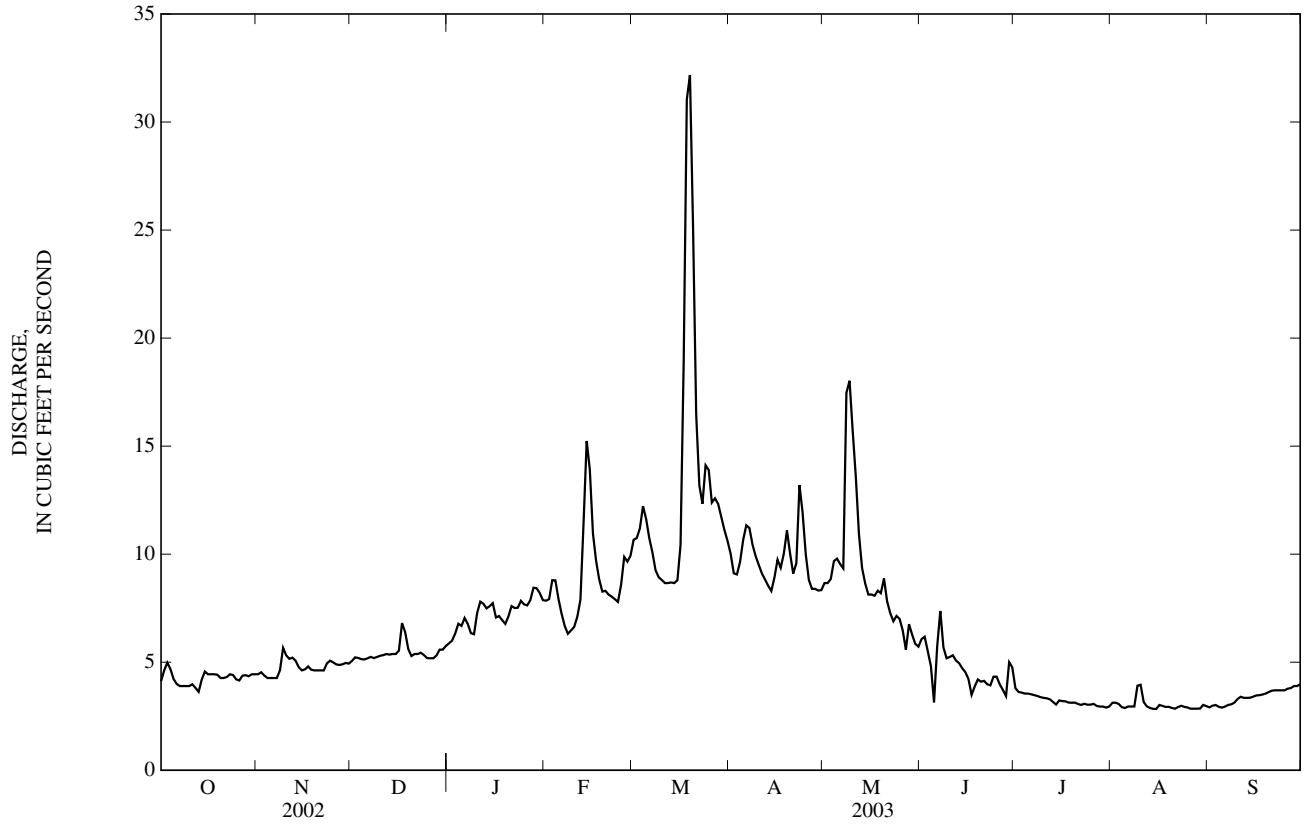
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2003, BY WATER YEAR (WY)

MEAN	18.9	24.5	26.1	30.0	39.2	47.3	46.0	48.2	30.4	12.4	10.9	12.6
MAX	71.7	75.4	85.4	65.5	104	172	191	319	245	50.4	41.5	41.5
(WY)	(1985)	(1984)	(1984)	(1986)	(1986)	(1985)	(1985)	(1984)	(1983)	(1983)	(1984)	(1984)
MIN	4.26	4.77	5.41	7.26	8.77	13.1	9.25	6.16	3.93	3.19	2.65	2.66
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(1992)	(1992)	(2002)	(2002)	(2002)	(2002)

10146400 CURRANT CREEK NEAR MONA, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979 - 2003	
ANNUAL TOTAL	2,463.6		2,327.4			
ANNUAL MEAN	6.75		6.38		28.8	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					6.38	2003
HIGHEST DAILY MEAN	23	Mar 7	32	Mar 19	566	May 14, 1984
LOWEST DAILY MEAN	1.0	Sep 3	2.8	Aug 14	1.0	Sep 3, 2002
ANNUAL SEVEN-DAY MINIMUM	1.7	Aug 30	2.9	Aug 13	1.7	Aug 30, 2002
ANNUAL RUNOFF (AC-FT)	4,890		4,620		20,870	
10 PERCENT EXCEEDS	14		10		62	
50 PERCENT EXCEEDS	5.2		5.2		15	
90 PERCENT EXCEEDS	2.7		3.0		6.0	

e Estimated



10149000 SIXTH WATER CREEK ABOVE SYAR TUNNEL, NEAR SPRINGVILLE, UT

LOCATION.--Lat 40°07'05", long 111°18'50", in NE¼NE¼SE¼ sec. 13, T. 8 S., R. 5 E., Utah County, Hydrologic Unit 16020202, on left bank 400 ft upstream from Syar Tunnel.

DRAINAGE AREA.--15 mi^2.

PERIOD OF RECORD.--October 1998 to September 2003 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,320 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow includes water diverted from Strawberry Reservoir (capacity, 1,106,500 acre-ft) since June 30, 1973, in Colorado River Basin via Strawberry Tunnel for irrigation in vicinity of Spanish Fork.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 120 ft^3/s, Sep 13, 2001, gage height, 5.27 ft; minimum, 3.0 ft^3/s, Mar 16, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 60 ft^3/s, Jun 10, gage height, 4.69 ft; minimum daily discharge, 20 ft^3/s, on many days.

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	21	24	24	e22	20	e21	23	24	35	34	33	33
2	24	24	24	e20	20	e21	23	27	33	34	35	32
3	26	25	24	20	20	e20	23	34	35	34	35	32
4	24	24	24	20	20	21	24	35	35	34	35	32
5	24	24	24	20	e20	21	23	34	35	33	35	32
6	24	24	24	21	e20	20	23	34	35	33	35	32
7	24	24	24	22	e20	21	23	35	34	33	35	33
8	24	26	25	22	e20	21	22	36	32	33	35	33
9	23	27	27	22	e20	21	22	36	33	32	35	33
10	e24	25	25	20	e21	21	23	36	36	31	35	32
11	25	25	24	20	e21	22	23	35	36	31	35	32
12	24	24	24	20	e22	22	23	35	37	31	35	32
13	24	24	24	20	23	23	23	36	36	31	35	32
14	25	24	24	20	22	22	23	36	36	31	e36	32
15	25	24	24	20	22	22	23	37	36	31	e34	e32
16	25	24	25	e20	22	22	22	36	36	31	34	e32
17	25	24	24	e21	e22	22	22	37	36	31	34	e32
18	25	24	24	e21	22	22	23	37	36	31	34	e32
19	23	24	e24	e21	e22	22	22	37	36	31	34	e32
20	23	24	e24	e20	22	22	23	37	36	31	34	e32
21	23	24	24	21	22	22	23	37	36	31	33	e32
22	26	24	24	20	22	22	23	37	36	32	34	e32
23	26	24	e24	20	22	22	23	37	36	32	34	e32
24	25	24	e24	20	e22	23	23	37	37	32	34	e32
25	26	24	e24	20	22	23	23	36	36	33	34	e32
26	26	28	e23	20	22	23	23	37	35	33	33	e32
27	28	26	e23	20	e21	23	23	35	35	33	34	e32
28	27	24	e23	20	e21	23	23	20	35	33	33	e32
29	26	24	e23	20	---	e24	23	33	35	33	33	e32
30	27	24	e23	20	---	e23	23	34	35	33	33	e32
31	24	---	e22	20	---	23	---	35	---	33	33	---
TOTAL	766	734	743	633	595	680	686	1,072	1,060	999	1,061	964
MEAN	24.7	24.5	24.0	20.4	21.2	21.9	22.9	34.6	35.3	32.2	34.2	32.1
MAX	28	28	27	22	23	24	24	37	37	34	36	33
MIN	21	24	22	20	20	20	22	20	32	31	33	32
AC-FT	1,520	1,460	1,470	1,260	1,180	1,350	1,360	2,130	2,100	1,980	2,100	1,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	17.5	17.6	16.9	15.2	15.4	16.5	23.5	38.8	40.8	37.3	35.9	33.6
MAX	30.9	30.1	27.2	23.9	24.4	27.2	38.7	54.0	47.7	41.9	40.6	39.5
(WY)	(2002)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)
MIN	5.50	5.16	4.38	4.32	4.26	4.81	6.05	31.4	35.3	32.2	32.8	28.7
(WY)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2003)	(2003)	(2000)	(2002)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	10,433		9,993			
ANNUAL MEAN	28.6		27.4		23.7	
HIGHEST ANNUAL MEAN					29.0	2002
LOWEST ANNUAL MEAN					18.5	2001
HIGHEST DAILY MEAN	58	Jun 28	37	May 15	75	Nov 24, 1998
LOWEST DAILY MEAN	21	Jan 6	20	Jan 2	3.2	Dec 19, 2000
ANNUAL SEVEN-DAY MINIMUM	21	Mar 6	20	Jan 10	3.5	Dec 18, 2000
ANNUAL RUNOFF (AC-FT)	20,690		19,820		17,140	
10 PERCENT EXCEEDS	38		35		39	
50 PERCENT EXCEEDS	26		24		24	
90 PERCENT EXCEEDS	22		21		4.9	

e Estimated

10149400 DIAMOND FORK ABOVE RED HOLLOW, NEAR THISTLE, UT

LOCATION.--Lat 40°04'35", long 111°22'57", in SW¼SE¼NW¼ sec. 33, T. 8 S., R. 5 E., Utah County, Hydrologic Unit 16020202, on right bank 0.5 mi upstream from Red Hollow, 8.0 mi upstream from mouth, and 9 mi northeast of Thistle.

DRAINAGE AREA.--97 mi^2.

PERIOD OF RECORD.--October 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,390 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow includes water diverted from Strawberry Reservoir (capacity, 1,106,500 acre-ft) since June 30, 1973, in Colorado River Basin via Strawberry Tunnel for irrigation in vicinity of Spanish Fork.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 464 ft^3/s, Jun 19, 2002, gage height, 5.68 ft; minimum daily discharge, 31 ft^3/s, Oct 25, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 446 ft^3/s, Aug. 1, 3, gage height, 5.57 ft; minimum daily discharge, 29 ft^3/s, Oct. 9, 12, 14.

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	39	72	74	76	74	72	77	81	244	235	430	216
2	35	71	73	74	75	72	77	167	256	279	405	216
3	40	72	73	76	76	72	77	237	244	296	427	203
4	34	72	74	76	78	73	76	237	260	322	421	209
5	32	72	75	75	75	73	77	176	277	334	358	209
6	32	72	75	75	e77	72	77	82	299	330	352	209
7	30	71	75	75	e75	73	76	44	303	332	334	211
8	30	74	73	75	e75	73	76	49	304	361	322	211
9	29	87	73	75	75	73	76	48	308	363	321	199
10	30	76	74	77	73	75	76	47	340	371	318	208
11	30	75	74	76	71	77	77	46	337	341	319	206
12	29	74	75	76	72	77	78	45	323	326	321	177
13	30	74	74	75	74	80	78	46	346	310	318	158
14	29	74	74	76	74	78	78	46	369	312	310	132
15	41	74	74	76	74	76	79	49	337	325	308	134
16	72	73	75	75	73	78	78	50	348	332	313	160
17	73	73	76	76	72	77	78	52	333	355	298	188
18	71	72	74	75	72	76	80	54	345	387	276	198
19	69	73	73	76	72	75	79	54	365	385	252	198
20	67	73	74	76	72	75	78	53	386	385	240	182
21	68	73	75	77	72	74	78	53	384	387	223	191
22	72	73	74	77	72	74	79	60	379	415	247	191
23	74	74	72	77	72	75	79	107	380	400	246	158
24	72	74	70	77	72	76	78	92	347	375	236	156
25	72	74	73	76	73	76	78	102	251	375	234	158
26	73	72	73	77	72	78	78	123	216	360	243	144
27	72	72	75	77	72	78	80	121	201	369	245	162
28	73	73	75	76	71	76	80	178	187	348	250	162
29	73	73	75	75	---	75	81	166	195	342	264	170
30	72	73	73	74	---	76	80	186	204	341	249	158
31	73	---	76	74	---	76	---	219	---	404	219	---
MEAN	52.8	73.5	74.0	75.7	73.4	75.2	78.0	99.0	302	348	300	182
MAX	74	87	76	77	78	80	81	237	386	415	430	216
MIN	29	71	70	74	71	72	76	44	187	235	219	132

CAL YR 2002 MEAN 155 MAX 441 MIN 29
WTR YR 2003 MEAN 145 MAX 430 MIN 29

e Estimated

10150500 SPANISH FORK AT CASTILLA, UT

LOCATION.--Lat 40°02'59", long 111°32'50", in SE¼NE¼NW¼ sec. 12, T. 9 S., R. 3 E., Utah County, Hydrologic Unit 16020202, on right bank 600 ft upstream from outlet of Cold Springs, 0.9 mi upstream from diversion dam of Bureau of Reclamation, 1.5 mi northwest of Castilla, and 2.8 mi downstream from Diamond Fork.

DRAINAGE AREA.--652 mi^2.

PERIOD OF RECORD.--September 1889 to December 1890, April 1903 to November 1917, May 1919 to September 1925, January 1933 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Spanish Fork" 1889-90, 1903-08.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above NGVD of 1929, from topographic map. Prior to May 3, 1919, nonrecording gages at various sites 1.5 mi to 2.5 mi downstream from present site at different datums below power canal, which began diverting late in 1908. May 3, 1919 to April 14, 1920, nonrecording gage; April 15, 1920 to September 30, 1925 and January 1, 1933 to April 16, 1940, water-stage recorder, at present site upstream from power canal at datum 2.00 ft lower.

REMARKS.--Records good. Several small diversions for irrigation above station. Flow since June 1915 includes water diverted from Strawberry Reservoir (capacity, 1,106,500 acre-ft) since June 30, 1973, in Colorado River Basin via Strawberry Tunnel for irrigation in vicinity of Spanish Fork. Flow affected by mudslide and draining of resultant lake about 5 mi upstream April 14 to September 30, 1983.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft^3/s, May 15, 1984, gage height, 11.53 ft; minimum, 5.8 ft^3/s, Dec 15, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 511 ft^3/s, Jun 19, Aug 3, gage height, 5.19 ft; minimum discharge, 57 ft^3/s, Oct 10, 12, 14.

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	84	106	119	112	114	128	129	157	353	236	462	236
2	73	106	120	103	119	125	132	198	364	274	455	237
3	99	105	117	111	117	126	134	288	348	298	474	231
4	79	107	126	109	120	131	130	303	357	330	457	230
5	66	107	127	111	112	129	132	269	371	351	391	231
6	61	108	120	109	106	124	133	177	394	345	373	231
7	61	111	119	106	107	107	131	135	390	344	360	231
8	60	114	114	104	117	108	127	146	383	376	350	231
9	59	146	116	105	116	125	127	148	388	383	356	228
10	58	131	113	112	113	127	128	146	420	392	351	237
11	59	126	114	114	112	130	132	144	419	364	353	233
12	58	146	116	114	114	132	137	141	411	340	357	222
13	59	123	113	110	121	129	142	141	440	316	352	215
14	59	102	116	110	128	131	149	149	436	313	342	209
15	62	103	116	111	128	129	155	165	403	328	345	208
16	101	116	114	105	128	132	148	192	434	339	370	211
17	103	118	124	107	127	139	146	221	444	360	347	217
18	104	116	118	103	127	137	152	242	469	390	316	220
19	103	116	111	105	123	134	145	261	479	396	279	221
20	100	116	109	106	121	131	142	253	463	399	260	219
21	99	117	114	110	119	129	141	248	451	398	245	220
22	101	117	114	113	122	127	141	250	424	421	263	221
23	106	116	105	113	122	128	143	298	431	417	269	215
24	106	119	102	113	122	131	138	294	409	405	255	213
25	106	123	106	114	129	127	137	295	298	402	251	214
26	105	118	107	115	128	132	142	298	243	393	258	213
27	105	116	112	114	127	135	145	290	226	399	260	216
28	105	117	111	116	127	130	148	317	219	394	265	217
29	107	118	111	116	---	127	151	304	218	379	283	217
30	106	117	109	114	---	128	158	304	220	378	282	217
31	106	---	112	114	---	128	---	332	---	431	246	---
TOTAL	2,660	3,501	3,545	3,419	3,366	3,976	4,195	7,106	11,305	11,291	10,227	6,661
MEAN	85.8	117	114	110	120	128	140	229	377	364	330	222
MAX	107	146	127	116	129	139	158	332	479	431	474	237
MIN	58	102	102	103	106	107	127	135	218	236	245	208
AC-FT	5,280	6,940	7,030	6,780	6,680	7,890	8,320	14,090	22,420	22,400	20,290	13,210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920-25, 1934-2003, BY WATER YEAR (WY)

MEAN	109	88.3	81.6	83.0	95.4	134	265	540	464	402	333	205
MAX	654	480	209	173	264	334	1,054	2,077	1,593	565	525	385
(WY)	(1984)	(1984)	(1984)	(2002)	(1986)	(1986)	(1952)	(1984)	(1983)	(1998)	(1985)	(1992)
MIN	33.5	42.7	40.5	45.4	41.9	53.0	56.7	180	126	101	92.4	59.7
(WY)	(1935)	(1962)	(1961)	(1961)	(1964)	(1964)	(1961)	(1934)	(1934)	(1934)	(1934)	(1934)

10150500 SPANISH FORK AT CASTILLA, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1920-25, 1934-2003	
ANNUAL TOTAL	74,508		71,252			
ANNUAL MEAN	204		195		235	
HIGHEST ANNUAL MEAN					569	1984
LOWEST ANNUAL MEAN					86.2	1934
HIGHEST DAILY MEAN	513	Jun 22	479	Jun 19	3,700	May 15, 1984
LOWEST DAILY MEAN	58	Oct 10	58	Oct 10	20	Dec 9, 1951
ANNUAL SEVEN-DAY MINIMUM	59	Oct 8	59	Oct 8	27	Oct 25, 1934
ANNUAL RUNOFF (AC-FT)	147,800		141,300		170,200	
10 PERCENT EXCEEDS	367		385		507	
50 PERCENT EXCEEDS	170		132		148	
90 PERCENT EXCEEDS	106		106		61	

10154200 PROVO RIVER NEAR WOODLAND, UT

LOCATION.--Lat 40°33'28", long 111°10'05", in NE¼NW¼SE¼ sec. 17, T. 3 S., R. 7 E., Summit County, Hydrologic Unit 16020203, on right bank on south side of State Highway 35, 0.3 mi downstream from Twin Pine Bridge, 1.6 mi downstream from South Fork and 3.5 mi southeast of Woodland.

DRAINAGE AREA.--162 mi^2.

PERIOD OF RECORD.--July 1963 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,950 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records include flow of Duchesne Tunnel, transmountain diversion. Flow also affected by some small irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on these diversions is available from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,040 ft^3/s, Jun 7, 1986, from rating curve extended above 2,000 ft^3/s on the basis of slope-area measurement of peak flow, gage height, 7.40 ft, datum then in use; minimum, 16 ft^3/s, Nov 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,290 ft^3/s, May 26,, gage height, 5.89 ft; minimum discharge, 26 ft^3/s, Feb 5, Mar 29.

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	85	54	68	62	51	41	94	208	1,310	143	54	51
2	95	45	59	60	52	43	99	204	1,060	130	66	37
3	90	51	54	61	50	41	89	196	851	113	85	33
4	78	58	59	59	51	45	75	199	684	78	72	37
5	74	60	60	59	36	44	86	196	582	74	58	40
6	70	62	51	56	42	45	80	174	504	75	64	34
7	77	63	56	56	47	45	76	170	438	66	58	45
8	80	69	48	e57	48	44	82	170	387	69	75	42
9	80	74	48	e55	48	45	98	173	354	54	61	45
10	81	68	58	e55	44	47	120	172	330	56	65	64
11	76	71	65	e59	43	49	154	170	301	52	68	48
12	73	62	61	e56	44	53	199	169	282	44	73	47
13	69	72	58	e54	47	59	240	205	348	48	72	48
14	66	66	61	e54	48	69	278	277	281	42	77	47
15	64	64	63	e56	44	64	273	423	242	66	78	47
16	66	60	56	e52	46	66	225	636	214	68	68	50
17	61	63	65	e54	45	64	221	787	199	77	59	58
18	59	60	64	e51	44	58	218	936	190	75	59	70
19	57	58	59	e52	42	57	196	1,020	180	65	69	71
20	57	61	59	e51	44	59	182	932	179	63	58	81
21	54	64	64	e50	42	59	190	1,050	183	62	63	82
22	52	63	63	e47	41	64	200	1,390	266	58	79	82
23	62	65	51	48	45	72	180	1,650	232	56	60	82
24	62	65	54	49	43	71	170	1,800	293	72	60	49
25	64	59	58	48	46	63	204	1,740	299	54	47	54
26	68	45	55	47	46	73	267	1,990	283	56	36	47
27	68	56	59	49	45	65	266	1,980	247	59	38	44
28	64	63	60	53	41	66	263	1,950	212	53	40	45
29	68	62	60	46	---	62	255	1,890	183	57	42	48
30	71	63	59	50	---	70	239	1,750	162	50	46	48
31	55	---	59	51	---	80	---	1,520	---	62	48	---
TOTAL	2,146	1,846	1,814	1,657	1,265	1,783	5,319	26,127	11,276	2,097	1,898	1,576
MEAN	69.2	61.5	58.5	53.5	45.2	57.5	177	843	376	67.6	61.2	52.5
MAX	95	74	68	62	52	80	278	1,990	1,310	143	85	82
MIN	52	45	48	46	36	41	75	169	162	42	36	33
AC-FT	4,260	3,660	3,600	3,290	2,510	3,540	10,550	51,820	22,370	4,160	3,760	3,130

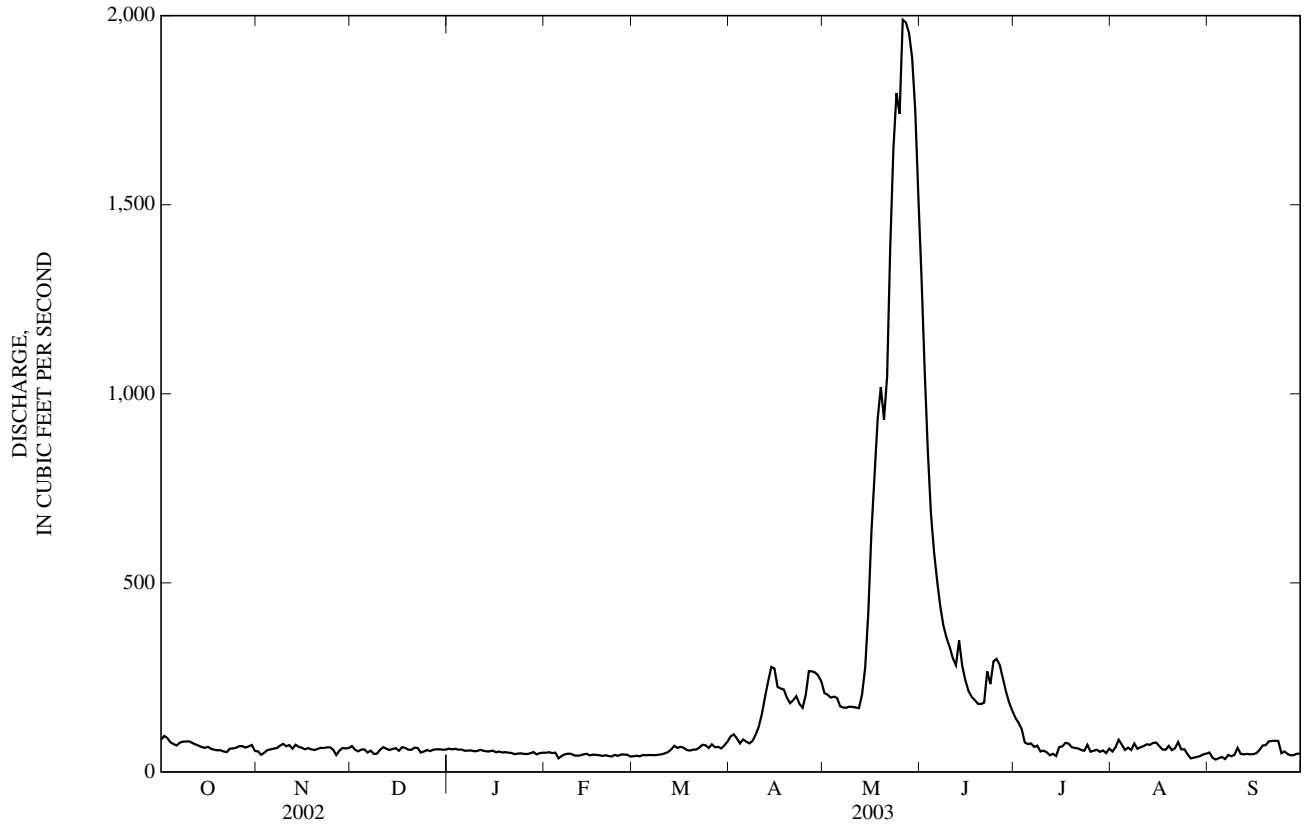
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	73.1	66.6	61.4	59.6	58.6	74.6	195	801	773	242	114	80.1
MAX	155	97.9	97.3	86.9	95.7	198	370	1,348	1,653	730	255	166
(WY)	(1983)	(1983)	(1984)	(1984)	(1986)	(1986)	(1985)	(1997)	(1995)	(1995)	(1965)	(1982)
MIN	36.0	42.3	38.4	36.6	40.1	41.5	69.4	128	113	46.6	26.6	29.0
(WY)	(2002)	(1993)	(1977)	(1977)	(1977)	(1977)	(1975)	(1977)	(1992)	(1992)	(1992)	(1992)

10154200 PROVO RIVER NEAR WOODLAND, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	47,059		58,804			
ANNUAL MEAN	129		161		217	
HIGHEST ANNUAL MEAN					351	1986
LOWEST ANNUAL MEAN					71.3	1977
HIGHEST DAILY MEAN	1,270	May 20	1,990	May 26	2,530	May 28, 1979
LOWEST DAILY MEAN	29	Aug 27	33	Sep 3	24	Aug 26, 1992
ANNUAL SEVEN-DAY MINIMUM	29	Aug 27	38	Sep 2	25	Aug 24, 1992
ANNUAL RUNOFF (AC-FT)	93,340		116,600		157,200	
10 PERCENT EXCEEDS	355		275		623	
50 PERCENT EXCEEDS	57		63		79	
90 PERCENT EXCEEDS	43		45		47	

e Estimated



10155000 PROVO RIVER NEAR HAILSTONE, UT

LOCATION.--Lat 40°36'03", long 111°19'51", in SW¼NE¼SW¼ sec. 36, T. 2 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on left bank 0.25 mi downstream of bridge on State Highway 32, 4.5 mi upstream from Ross Creek and Hailstone.

DRAINAGE AREA.--219 mi^2.

PERIOD OF RECORD.--October 1949 to current year.

REVISED RECORDS.--WDR UT-89-1, UT-93-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,220 ft above NGVD of 1929, from topographic map. Prior to November 20, 1964 at datum 1.00 ft higher. Gage relocated 1.5 mi upstream on April 8, 1993, to a site above the high water line of Jordanelle Reservoir, at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Records include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transbasin diversion. Flow also affected by irrigation diversions above station and by storage in several small reservoirs at headwaters. Information on flow of Duchesne Tunnel, and capacities of small reservoirs is available from Provo River Water Commissioner's Report, (total capacity, 10,080 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,100 ft^3/s, Jun 7, 1986, from rating curve extended above 2,500 ft^3/s; gage height, 9.91 ft, from floodmarks at site and datum then in use; minimum, 11 ft^3/s, Aug 20, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,560 ft^3/s, May 28, gage height, 9.21 ft; minimum daily discharge, 29 ft^3/s, Jul 13, 14, 15.

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	120	83	108	e76	e63	e61	125	261	3,140	102	32	47
2	144	84	97	e74	e65	e61	140	233	2,490	92	36	45
3	117	101	91	e76	e62	e51	130	215	1,710	84	53	44
4	102	102	96	e73	e58	e60	101	221	1,130	58	45	41
5	96	96	95	e73	e58	e64	125	221	844	49	40	43
6	93	93	86	e69	e52	e55	113	178	744	41	38	46
7	93	91	94	e70	e58	e63	101	174	659	40	37	50
8	99	108	91	e70	e60	e55	110	174	585	36	38	47
9	99	137	105	e68	e59	e60	129	184	524	36	38	47
10	96	107	114	e68	e54	e72	162	210	328	35	37	59
11	96	112	100	e72	e53	e78	222	208	276	34	41	62
12	94	92	96	e69	e54	e65	307	189	e252	32	39	61
13	91	116	91	e67	e58	e87	366	239	e228	29	40	59
14	87	106	94	e67	e59	e86	478	315	e204	29	39	58
15	83	100	95	e70	e54	e79	489	e406	182	29	40	61
16	83	89	e88	e64	e57	e92	398	e574	154	34	43	55
17	81	101	e83	e67	e56	e102	382	e729	154	36	50	58
18	101	97	e82	e64	e55	e99	381	e875	157	37	43	62
19	101	90	e86	e65	e52	121	352	e1,080	136	34	41	60
20	99	94	e94	e63	e63	121	322	e1,260	123	34	39	63
21	95	97	e83	e62	e59	119	326	e1,450	124	36	40	63
22	98	97	e78	e58	e56	122	347	1,740	184	34	45	62
23	112	97	e74	e60	e64	139	322	2,280	175	34	46	60
24	109	99	e67	e61	e66	139	297	2,850	240	36	54	55
25	105	95	e74	e59	e61	119	316	2,650	243	36	50	55
26	105	87	e68	e59	e68	137	398	3,300	250	36	42	54
27	100	115	e73	e61	e59	129	412	3,620	275	35	45	49
28	96	112	e74	e65	e56	125	396	3,570	162	34	43	50
29	97	109	e74	e57	---	e110	379	2,750	132	34	45	49
30	96	102	e73	e61	---	e102	363	3,280	116	31	51	48
31	85	---	e73	e63	---	95	---	3,130	---	30	49	---
TOTAL	3,073	3,009	2,697	2,051	1,639	2,868	8,489	38,566	15,921	1,277	1,319	1,613
MEAN	99.1	100	87.0	66.2	58.5	92.5	283	1,244	531	41.2	42.5	53.8
MAX	144	137	114	76	68	139	489	3,620	3,140	102	54	63
MIN	81	83	67	57	52	51	101	174	116	29	32	41
AC-FT	6,100	5,970	5,350	4,070	3,250	5,690	16,840	76,500	31,580	2,530	2,620	3,200

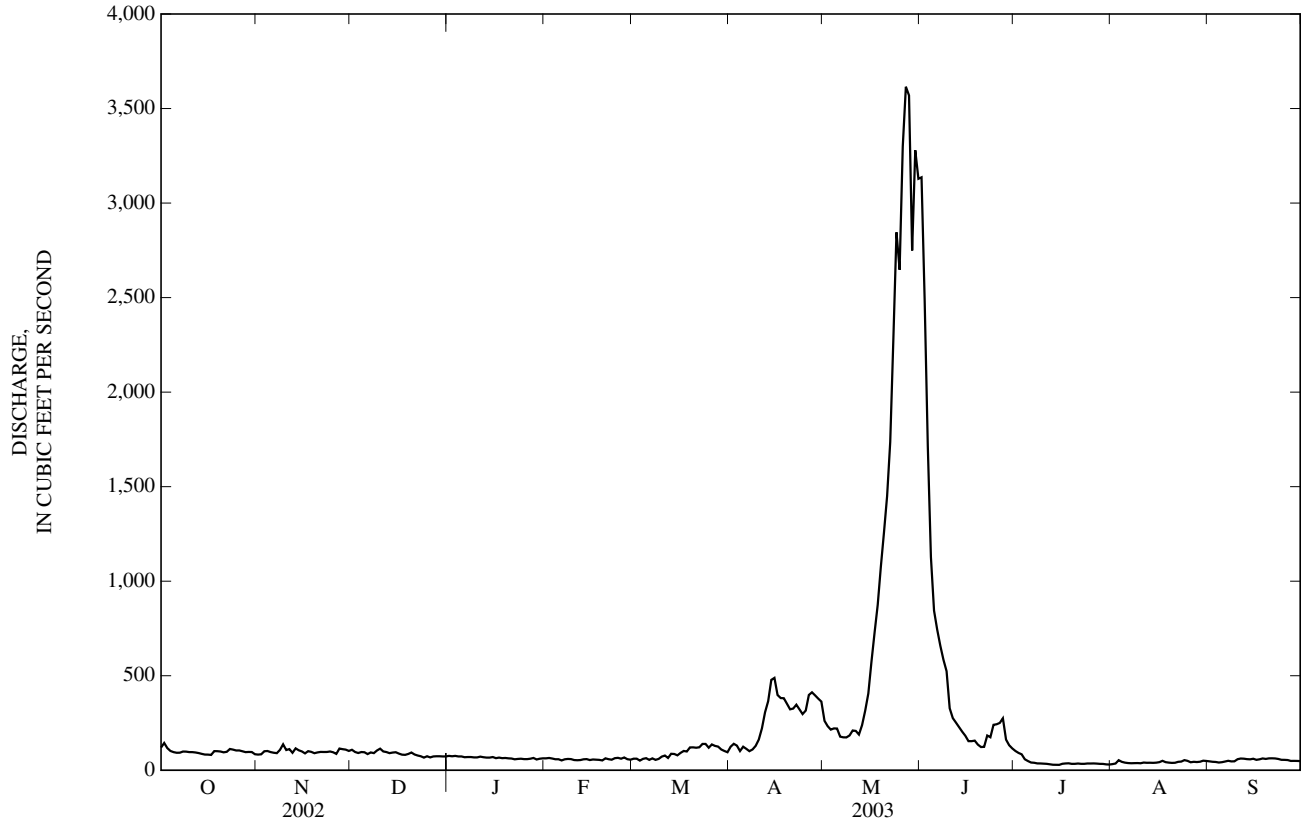
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2003, BY WATER YEAR (WY)

MEAN	86.8	97.4	91.8	86.4	91.4	116	308	1,057	938	250	95.3	79.4
MAX	191	170	156	135	228	311	824	1,935	2,026	856	263	203
(WY)	(1983)	(1973)	(1956)	(1971)	(1962)	(1986)	(1962)	(1993)	(1957)	(1965)	(1965)	(1983)
MIN	41.9	59.0	55.4	54.7	55.5	65.4	113	131	102	25.3	20.9	27.2
(WY)	(2002)	(1977)	(1977)	(1977)	(2002)	(1977)	(1961)	(1977)	(1992)	(1961)	(1992)	(1960)

10155000 PROVO RIVER NEAR HAILSTONE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1950 - 2003	
ANNUAL TOTAL	69,016		82,522			
ANNUAL MEAN	189		226		275	
HIGHEST ANNUAL MEAN					445	1962
LOWEST ANNUAL MEAN					80.2	1977
HIGHEST DAILY MEAN	2,260	May 21	3,620	May 27	3,620	May 27, 2003
LOWEST DAILY MEAN	16	Aug 17	29	Jul 13	12	Aug 21, 1960
ANNUAL SEVEN-DAY MINIMUM	17	Aug 16	32	Jul 10	14	Jul 25, 1961
ANNUAL RUNOFF (AC-FT)	136,900		163,700		199,400	
10 PERCENT EXCEEDS	499		364		801	
50 PERCENT EXCEEDS	73		86		104	
90 PERCENT EXCEEDS	27		40		56	

e Estimated



10155200 PROVO RIVER AT RIVER ROAD BRIDGE NEAR HEBER CITY, UT

LOCATION.--Lat 40°33'16", long 111°25'57", in NW¼SW¼SW¼ sec. 18, T. 3 S., R. 5 E., Wasatch County, Hydrologic Unit 16020203, on right bank 2.8 miles downstream of Jordanelle Reservoir, 2.8 miles north of Heber City.

DRAINAGE AREA.--270 mi^2.

PERIOD OF RECORD.--September 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,710 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Flow also affected by irrigation diversions above station and by storage in, and releases from, Jordanelle Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,420 ft^3/s, Jun 17, 2003, gage height, 2.59 ft; minimum daily discharge, 113 ft^3/s, Sep 6, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,420 ft^3/s, Jun 17, gage height, 2.59 ft; minimum daily discharge, 113 ft^3/s, Sep 6.

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	163	143	136	139	143	138	125	147	128	128	118	130
2	150	140	135	139	145	138	124	143	128	131	122	131
3	148	139	134	140	142	138	125	143	128	131	128	134
4	149	139	133	140	142	138	125	146	126	132	125	136
5	152	139	133	140	139	133	126	137	129	131	124	132
6	152	138	133	138	139	130	125	132	212	127	118	113
7	158	137	137	135	e139	130	125	136	274	130	119	117
8	158	143	139	135	e139	129	125	129	275	130	127	120
9	157	148	138	134	138	128	124	131	278	127	128	123
10	158	143	138	135	138	127	126	134	283	130	126	133
11	158	143	138	135	138	128	126	131	283	130	126	125
12	158	143	137	137	139	127	125	129	284	123	124	124
13	159	138	134	138	140	126	125	131	282	122	125	123
14	158	137	136	139	142	126	123	134	283	134	121	125
15	158	138	136	140	141	128	125	128	279	132	119	125
16	159	137	137	139	141	130	122	130	e690	126	119	122
17	154	138	139	139	141	129	130	131	1,350	128	123	130
18	150	135	138	138	138	129	121	127	1,340	128	118	129
19	151	133	137	139	135	129	125	125	1,130	128	118	122
20	151	132	138	139	135	129	129	130	856	128	116	118
21	151	134	138	139	136	128	130	130	653	130	119	118
22	150	134	137	138	137	127	134	128	504	121	125	118
23	150	134	138	140	138	127	135	128	456	118	126	117
24	149	135	138	140	138	127	134	129	469	118	129	120
25	146	134	138	141	138	124	133	130	325	117	132	120
26	147	134	138	141	138	125	127	129	122	114	129	121
27	147	135	139	141	138	124	127	126	117	119	128	121
28	147	135	139	143	137	124	129	124	120	118	127	123
29	148	135	139	141	---	124	127	130	117	120	122	123
30	149	136	138	140	---	124	139	132	118	114	119	119
31	149	---	141	142	---	125	---	130	---	115	121	---
MEAN	153	138	137	139	139	129	127	132	391	125	123	124
MAX	163	148	141	143	145	138	139	147	1,350	134	132	136
MIN	146	132	133	134	135	124	121	124	117	114	116	113

CAL YR 2002 MEAN 149 MAX 1,090 MIN 120
WTR YR 2003 MEAN 154 MAX 1,350 MIN 113

e Estimated

10155300 PROVO RIVER NEAR MIDWAY, UT

LOCATION.--Lat 40°30'25", long 111°26'56", in NE¼NW¼NW¼ sec. 1, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 150 ft downstream of bridge on State Highway 113, 1.8 miles west of Heber City.

DRAINAGE AREA.--268 mi^2.

PERIOD OF RECORD.--September 1995 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,490 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good. Flow also affected by irrigation diversions above station and by storage in, and releases from, Jordanelle Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,040 ft^3/s, May 28, 1999, gage height, 5.98 ft; minimum daily discharge, 19 ft^3/s, May 2, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,380 ft^3/s, Jun 17, gage height, 4.81 ft; minimum daily discharge, 104 ft^3/s, Jul 30.

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	175	142	130	136	142	137	116	153	137	113	111	133
2	168	138	130	135	147	137	116	147	137	116	117	131
3	158	138	129	135	144	138	120	147	138	119	122	130
4	159	136	127	135	142	141	119	151	137	120	120	127
5	160	136	127	135	137	137	120	149	137	120	119	127
6	165	135	127	134	136	132	120	139	196	116	115	105
7	172	134	130	132	141	132	119	143	265	121	111	107
8	177	141	132	132	146	131	119	124	268	122	117	109
9	177	151	133	132	140	128	119	121	274	120	118	118
10	177	145	134	130	140	127	119	128	278	121	117	133
11	176	144	132	130	138	127	117	132	281	122	117	125
12	174	142	135	130	139	130	115	129	284	119	118	123
13	173	138	136	132	142	127	122	127	284	118	123	121
14	165	134	138	135	143	124	121	132	284	129	123	122
15	166	137	138	135	144	125	124	126	281	125	121	119
16	168	135	139	135	145	130	123	123	688	119	122	119
17	160	135	141	135	143	129	128	127	1,350	117	126	125
18	154	134	139	134	141	128	130	127	1,360	118	123	127
19	153	132	138	134	136	127	123	126	1,230	122	122	120
20	153	130	138	134	135	128	133	131	959	124	118	115
21	153	132	138	134	135	129	132	132	737	124	117	111
22	151	133	139	135	137	130	137	130	576	118	126	113
23	150	133	138	139	137	130	138	124	495	114	125	111
24	147	130	138	141	138	128	137	120	502	112	128	116
25	144	130	139	141	138	117	133	121	354	108	134	118
26	142	130	140	141	137	117	114	129	125	105	133	119
27	141	130	135	140	135	116	113	135	115	105	131	116
28	141	130	135	146	135	116	115	131	121	106	131	119
29	144	130	137	144	---	116	122	135	111	109	128	117
30	147	130	136	141	---	116	137	140	110	104	126	107
31	147	---	137	140	---	117	---	136	---	109	125	---
TOTAL	4,937	4,065	4,185	4,212	3,913	3,947	3,701	4,115	12,214	3,615	3,784	3,583
MEAN	159	136	135	136	140	127	123	133	407	117	122	119
MAX	177	151	141	146	147	141	138	153	1,360	129	134	133
MIN	141	130	127	130	135	116	113	120	110	104	111	105
AC-FT	9,790	8,060	8,300	8,350	7,760	7,830	7,340	8,160	24,230	7,170	7,510	7,110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	142	128	131	150	167	150	139	407	510	237	152	158
MAX	193	151	166	345	473	325	213	706	890	413	211	206
(WY)	(1999)	(1998)	(1997)	(1997)	(1997)	(1997)	(1998)	(1996)	(1999)	(1998)	(1998)	(1998)
MIN	36.9	39.1	38.0	39.6	47.7	64.4	51.0	133	134	117	122	119
(WY)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(1996)	(2003)	(2002)	(2003)	(2003)	(2003)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	54,946		56,271			
ANNUAL MEAN	151		154		206	
HIGHEST ANNUAL MEAN					290	1997
LOWEST ANNUAL MEAN					149	2001
HIGHEST DAILY MEAN	1,060	May 22	1,360	Jun 18	2,000	May 28, 1999
LOWEST DAILY MEAN	114	Apr 14	104	Jul 30	19	May 2, 1996
ANNUAL SEVEN-DAY MINIMUM	127	Aug 21	107	Jul 25	29	Apr 27, 1996
ANNUAL RUNOFF (AC-FT)	109,000		111,600		149,200	
10 PERCENT EXCEEDS	165		158		409	
50 PERCENT EXCEEDS	137		132		140	
90 PERCENT EXCEEDS	130		116		114	

10155400 SPRING CREEK NEAR HEBER CITY, UT

LOCATION.--Lat 40°30'31", long 111°26'19", in SE¼SW¼SE¼ sec. 36, T. 3 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 260 ft upstream from State Highway 113, 5,000 ft upstream from mouth, and 1.5 mi west of State Highway 40 in Heber City.

DRAINAGE AREA.-60.8 mi^2.

PERIOD OF RECORD.--May 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Small diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 336 ft^3/s, Feb 10, 1999, from rating extended by computation of flow from contracted opening, gage height 3.49 ft; minimum daily discharge, 2.8 ft^3/s, Sep 21, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 135 ft^3/s, Jun 24; minimum daily discharge, 5.9 ft^3/s, Sep 22, 23.

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	44	8.3	9.5	e9.0	e11	e13	9.5	17	39	50	21	16
2	36	7.6	9.4	e8.0	e13	e13	8.9	17	39	48	24	15
3	21	7.1	9.1	e9.0	e11	e13	9.9	15	43	48	25	15
4	18	7.0	10	e9.0	e9.0	e14	10	18	45	50	25	15
5	18	7.0	10	e9.0	e8.0	e14	10	21	44	47	24	15
6	17	7.0	9.4	e9.0	e7.0	14	10	19	47	45	25	16
7	17	7.0	9.6	e9.0	e6.0	13	9.6	19	44	43	27	18
8	15	11	9.6	e9.0	e6.0	12	9.2	20	44	45	28	17
9	15	17	9.6	e8.0	e7.0	12	8.9	22	46	46	24	16
10	15	14	9.7	e10	e7.0	11	8.1	26	42	45	23	20
11	14	13	9.7	e9.0	e8.0	11	7.4	24	45	44	22	15
12	14	12	10	e9.0	e9.0	12	7.3	23	42	43	25	14
13	14	11	10	e8.0	e16	11	7.2	21	52	49	26	13
14	13	11	10	e8.0	e16	11	7.5	20	54	47	27	13
15	13	9.7	9.8	e9.0	e15	12	7.0	23	51	25	27	13
16	13	9.2	11	e7.0	e14	13	6.8	29	46	22	27	12
17	13	9.1	11	e6.0	e13	12	7.5	30	52	23	25	12
18	13	9.0	11	e6.0	e13	11	9.4	33	51	26	23	11
19	12	9.7	10	e6.0	e12	11	9.3	38	55	25	22	8.8
20	12	9.9	e10	e6.0	e14	10	9.2	37	53	25	20	9.0
21	11	10	e11	e7.0	e15	9.9	9.0	36	51	25	18	7.2
22	11	10	e10	e7.0	e15	9.9	9.6	33	54	20	20	5.9
23	11	10	e10	e11	e14	10	9.8	32	72	22	20	5.9
24	11	10	e8.0	e11	e11	10	9.4	39	135	24	17	9.2
25	11	10	e8.0	e10	e13	9.8	8.9	38	72	22	15	9.9
26	9.5	9.4	e9.0	e9.0	e14	10	8.3	35	58	24	15	11
27	9.8	9.3	e10	e9.0	e13	10	8.1	38	55	26	16	12
28	10	9.2	e10	e11	e12	10	8.2	39	52	24	17	12
29	10	9.3	e8.0	e11	---	9.9	7.2	42	51	23	16	8.7
30	9.6	9.2	e9.0	e10	---	9.6	11	44	52	22	18	7.7
31	9.2	---	e9.0	e11	---	9.6	---	40	---	21	14	---
TOTAL	460.1	293.0	300.4	270.0	322.0	351.7	262.2	888	1,586	1,049	676	373.3
MEAN	14.8	9.77	9.69	8.71	11.5	11.3	8.74	28.6	52.9	33.8	21.8	12.4
MAX	44	17	11	11	16	14	11	44	135	50	28	20
MIN	9.2	7.0	8.0	6.0	6.0	9.6	6.8	15	39	20	14	5.9
AC-FT	913	581	596	536	639	698	520	1,760	3,150	2,080	1,340	740

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

MEAN	18.5	17.7	15.3	14.8	18.4	20.9	17.4	39.9	49.0	31.7	22.8	21.1
MAX	33.6	23.4	19.2	17.8	26.4	33.0	23.1	60.5	90.5	47.5	30.3	34.0
(WY)	(1999)	(1999)	(1996)	(1999)	(2000)	(1997)	(1995)	(1995)	(1995)	(1998)	(2001)	(1998)
MIN	9.26	9.77	9.69	8.71	11.5	11.3	8.74	28.6	29.3	8.91	12.4	6.89
(WY)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(1994)	(1994)	(2000)

10155400 SPRING CREEK NEAR HEBER CITY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	7,056.5		6,831.7			
ANNUAL MEAN	19.3		18.7		24.0	
HIGHEST ANNUAL MEAN					30.0	1995
LOWEST ANNUAL MEAN					18.6	1994
HIGHEST DAILY MEAN	46	Jun 3	135	Jun 24	135	Jun 24, 2003
LOWEST DAILY MEAN	7.0	Nov 4	5.9	Sep 22	2.8	Sep 21, 2000
ANNUAL SEVEN-DAY MINIMUM	7.3	Nov 1	6.4	Jan 16	4.3	Sep 16, 2000
ANNUAL RUNOFF (AC-FT)	14,000		13,550		17,370	
10 PERCENT EXCEEDS	30		44		43	
50 PERCENT EXCEEDS	16		12		19	
90 PERCENT EXCEEDS	9.8		8.0		10	

e Estimated

10155500 PROVO RIVER NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'03", long 111°27'46", in NE¼NE¼SW¼ sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 1,000 ft upstream from Snake Creek and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--350 mi^2.

PERIOD OF RECORD.--October 1938 to September 1950, October 1991 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above NGVD of 1929, from topographic map. Prior to October 1991 at different sites and datums.

REMARKS.--Records good. Flow affected by irrigation diversions above station and by storage in, and releases from Jordanelle Reservoir, (capacity 329,000 acre-ft). Records from October 1938 to September 1950 include flow of Weber-Provo diversion canal and Duchesne Tunnel, a transbasin diversion. Flow also affected by several small reservoirs at headwaters. Information on flow of Duchesne Tunnel and capacities of reservoirs is available from Provo River Water Commissioner's Report, (total capacity, 10,080 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,280 ft^3/s, May 22, 1993, gage height, 6.29 ft; minimum, 13 ft^3/s, Oct 24, 1940 and Oct 7, 1948 at site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,440 ft^3/s, Jun 17, gage height, 5.38 ft; minimum daily discharge, 124 ft^3/s, Apr 28.

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	248	179	163	154	167	158	138	153	185	196	142	157
2	239	175	161	154	173	160	138	150	187	196	150	156
3	207	174	160	154	164	162	142	150	190	197	153	155
4	205	173	159	153	164	165	141	156	192	200	152	156
5	204	173	159	154	157	160	141	156	196	196	151	154
6	204	173	159	151	155	156	141	147	252	190	148	142
7	209	172	160	148	154	155	140	149	309	189	147	146
8	208	182	159	148	155	153	139	139	308	192	151	146
9	204	195	159	149	157	150	139	139	315	191	149	148
10	205	184	159	150	156	149	138	148	315	191	146	163
11	204	182	159	150	157	149	136	147	321	189	145	156
12	204	180	162	151	158	149	136	144	326	186	146	155
13	202	177	163	153	161	147	141	143	334	191	149	153
14	198	173	163	153	166	146	142	143	339	194	149	152
15	198	173	163	154	164	148	143	141	335	168	150	150
16	198	172	165	154	165	152	141	149	799	159	152	149
17	193	172	168	153	162	150	144	154	1,410	160	151	154
18	190	170	165	152	160	148	149	158	1,370	163	145	153
19	189	168	163	151	158	147	145	163	1,170	164	144	148
20	188	167	162	152	157	147	150	165	869	168	139	144
21	189	167	162	152	156	147	151	160	670	169	139	140
22	188	167	161	152	158	147	156	155	552	161	149	141
23	188	167	159	154	156	149	155	156	511	156	150	140
24	186	165	158	157	154	148	152	177	578	157	150	141
25	183	164	158	157	153	140	143	173	436	151	152	143
26	180	162	158	156	156	139	127	183	226	147	150	145
27	180	161	155	159	155	139	125	180	210	147	150	141
28	180	161	154	173	157	137	124	177	209	144	152	144
29	182	161	154	167	---	e137	126	184	199	145	151	139
30	184	162	153	162	---	e138	136	187	192	139	152	129
31	182	---	154	167	---	e139	---	181	---	140	150	---
TOTAL	6,119	5,151	4,957	4,794	4,455	4,611	4,219	4,907	13,505	5,336	4,604	4,440
MEAN	197	172	160	155	159	149	141	158	450	172	149	148
MAX	248	195	168	173	173	165	156	187	1,410	200	153	163
MIN	180	161	153	148	153	137	124	139	185	139	139	129
AC-FT	12,140	10,220	9,830	9,510	8,840	9,150	8,370	9,730	26,790	10,580	9,130	8,810

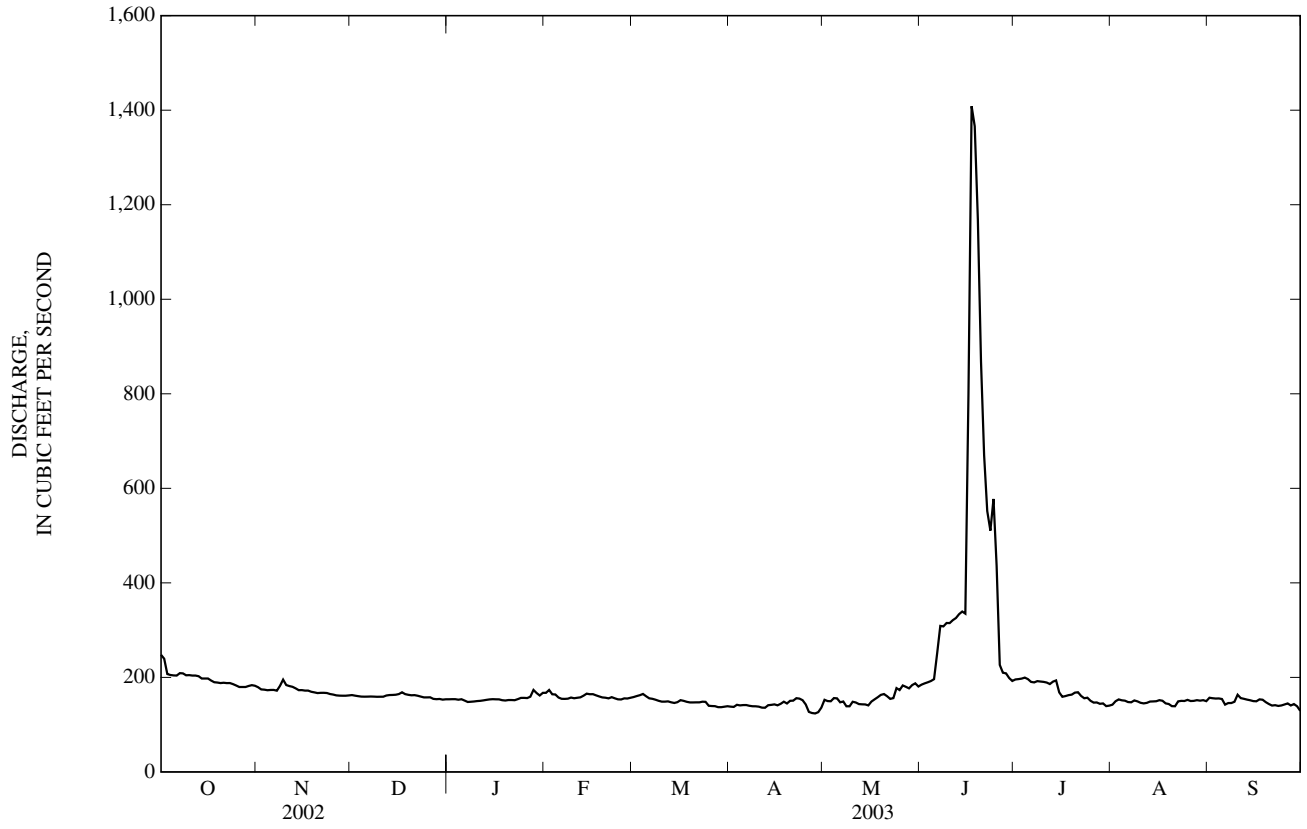
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	154	151	148	160	173	180	171	541	583	266	157	163
MAX	291	216	219	400	513	386	292	1,243	1,255	519	280	294
(WY)	(1999)	(1999)	(1997)	(1997)	(1997)	(1997)	(1998)	(1993)	(1993)	(1995)	(1998)	(1998)
MIN	49.1	65.2	66.0	71.8	81.9	86.7	57.6	158	41.0	23.5	18.5	16.8
(WY)	(1993)	(1995)	(1995)	(1994)	(1994)	(1994)	(1995)	(2003)	(1992)	(1992)	(1992)	(1992)

10155500 PROVO RIVER NEAR CHARLESTON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	68,407		67,098			
ANNUAL MEAN	187		184		237	
HIGHEST ANNUAL MEAN					355	1997
LOWEST ANNUAL MEAN					117	1992
HIGHEST DAILY MEAN	1,070	May 22	1,410	Jun 17	2,210	May 23, 1993
LOWEST DAILY MEAN	141	Apr 14	124	Apr 28	14	Sep 11, 1992
ANNUAL SEVEN-DAY MINIMUM	150	Apr 9	133	Apr 24	15	Sep 6, 1992
ANNUAL RUNOFF (AC-FT)	135,700		133,100		172,000	
10 PERCENT EXCEEDS	204		201		486	
50 PERCENT EXCEEDS	173		157		175	
90 PERCENT EXCEEDS	159		141		66	

e Estimated



10156000 SNAKE CREEK NEAR CHARLESTON, UT

LOCATION.--Lat 40°29'07", long 111°27'59", in NE¼NW¼SW¼ sec. 11, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 700 ft upstream from mouth and 1.5 mi northeast of Charleston.

DRAINAGE AREA.--31.8 mi^2.

PERIOD OF RECORD.--September 1938 to October 1950, May 1993 to current year. Monthly discharge only, September 1938 to September 1945, published in WSP 1413.

GAGE.--Water-stage recorder. Elevation of gage is 5,435 ft above NGVD of 1929, from topographic map. Prior to 1993 at different datum.

REMARKS.-- Records fair. Some diversions above station for irrigation. Gage is affected by backwater.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 146 ft^3/s, Jun 14, 1995, gage height, 2.46 ft, maximum gage height, 3.63 ft, Mar 23, 1996; minimum, 16 ft^3/s, Aug 25, 28, 29, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 55 ft^3/s, May 10, 11, gage height, 2.98 ft; minimum daily discharge, 21 ft^3/s, Sep 28, 29.

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	34	43	37	39	40	40	39	35	30	29	26	26
2	34	42	37	39	44	40	40	38	27	32	28	25
3	33	42	37	39	42	39	41	33	27	31	27	24
4	34	44	37	39	42	40	39	37	28	31	29	23
5	34	41	37	39	41	40	38	38	28	31	30	25
6	34	39	37	38	41	39	38	37	30	33	28	34
7	34	39	36	38	40	39	42	37	30	33	30	34
8	36	45	36	38	40	39	42	38	31	31	32	26
9	37	45	36	37	40	38	40	43	32	32	33	27
10	35	43	36	38	40	38	39	46	34	33	32	32
11	35	42	36	38	40	36	34	50	31	28	28	33
12	37	41	36	39	41	36	36	43	30	28	30	30
13	36	40	32	39	41	37	34	35	33	30	34	27
14	39	39	33	39	41	39	34	31	33	32	32	27
15	41	39	33	39	41	40	35	33	33	28	27	26
16	40	38	34	39	41	41	35	34	29	30	26	26
17	39	36	34	39	42	40	33	32	27	28	27	27
18	39	36	33	40	41	39	33	32	30	27	27	27
19	40	36	33	38	41	38	33	32	29	28	26	25
20	41	36	35	37	41	37	32	33	27	28	26	24
21	41	36	35	38	41	36	31	32	28	28	29	23
22	40	36	35	38	40	35	31	31	29	29	27	23
23	41	36	35	38	38	35	30	32	30	27	27	22
24	42	36	34	39	38	35	29	30	34	26	35	22
25	41	37	34	39	39	38	28	34	33	27	31	22
26	40	38	34	40	40	40	33	33	32	27	26	22
27	41	37	36	41	41	41	35	32	30	30	30	22
28	43	37	37	42	41	41	35	31	29	29	29	21
29	45	37	38	42	---	40	38	29	27	28	26	21
30	44	37	39	42	---	40	38	32	29	28	26	28
31	42	---	39	41	---	39	---	31	---	25	28	---
TOTAL	1,192	1,173	1,101	1,211	1,138	1,195	1,065	1,084	900	907	892	774
MEAN	38.5	39.1	35.5	39.1	40.6	38.5	35.5	35.0	30.0	29.3	28.8	25.8
MAX	45	45	39	42	44	41	42	50	34	33	35	34
MIN	33	36	32	37	38	35	28	29	27	25	26	21
AC-FT	2,360	2,330	2,180	2,400	2,260	2,370	2,110	2,150	1,790	1,800	1,770	1,540

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939-50, 1994-2003, BY WATER YEAR (WY)

MEAN	46.9	47.9	43.9	42.4	42.0	44.8	44.7	52.2	56.0	43.2	39.5	40.8
MAX	65.0	62.9	55.7	51.7	55.0	52.1	57.8	87.5	86.8	59.4	57.5	62.3
(WY)	(1999)	(1946)	(1999)	(1999)	(1945)	(1945)	(1945)	(1943)	(1995)	(1995)	(1998)	(1998)
MIN	35.5	33.8	35.5	35.4	33.6	36.2	32.7	31.4	30.0	26.3	20.5	25.8
(WY)	(1940)	(1940)	(2003)	(1941)	(1941)	(1940)	(2002)	(2002)	(2003)	(1994)	(2002)	(2003)

10156000 SNAKE CREEK NEAR CHARLESTON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939-50, 1994-2003	
ANNUAL TOTAL	12,162		12,632			
ANNUAL MEAN	33.3		34.6		45.3	
HIGHEST ANNUAL MEAN					55.2	1999
LOWEST ANNUAL MEAN					34.6	2003
HIGHEST DAILY MEAN	45	Oct 29	50	May 11	113	Jun 30, 1995
LOWEST DAILY MEAN	17	Aug 25	21	Sep 28	17	Aug 25, 2002
ANNUAL SEVEN-DAY MINIMUM	19	Aug 19	22	Sep 23	19	Aug 19, 2002
ANNUAL RUNOFF (AC-FT)	24,120		25,060		32,790	
10 PERCENT EXCEEDS	40		41		58	
50 PERCENT EXCEEDS	35		35		44	
90 PERCENT EXCEEDS	24		27		34	

10157500 DANIELS CREEK AT CHARLESTON, UT

LOCATION.--Lat 40°27'39", long 111°28'19", in SE¼NE¼NE¼ sec. 22, T. 4 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on left bank 3 ft above capacity elevation of Deer Creek Reservoir, 200 ft downstream from culvert on State Highway 113 in old town of Charleston and 3.5 mi south of Midway.

DRAINAGE AREA.--50.1 mi^2.

PERIOD OF RECORD.--May 1993 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,420 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except estimated daily discharges, which are poor. Small transbasin diversions from Strawberry River Basin drain into Daniels Creek. Flow also affected by irrigation diversions above station and return flow from irrigated areas.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 274 ft^3/s, May 23, 1995, gage height, 3.92 ft; no flow several days in Jul and Aug 1994, Sep 1995, Jun 2002 and May, Jun, Jul, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 13 ft^3/s, Aug 24, gage height, 2.16 ft; no flow several days in May, Jun, Jul.

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	2.4	1.9	1.6	e2.1	2.0	1.4	1.7	1.2	0.84	0.35	6.3	3.8
2	2.4	2.0	1.6	e2.1	2.0	1.4	1.6	0.93	0.87	0.05	3.6	3.4
3	2.2	2.0	1.7	e2.2	2.0	1.4	1.6	0.95	0.87	0.11	3.2	3.6
4	2.1	1.9	1.8	e2.2	2.0	1.3	1.6	0.61	0.76	0.35	4.1	2.1
5	2.1	1.8	1.5	e2.2	e2.0	1.3	1.7	0.59	0.70	0.41	5.8	2.9
6	2.1	1.7	1.7	e2.2	e1.6	1.3	2.1	0.57	0.66	0.40	4.8	3.2
7	2.0	1.7	1.7	e2.2	e1.5	1.2	2.1	0.61	0.48	0.41	3.1	3.4
8	1.8	2.0	1.7	e2.2	e1.4	1.2	2.1	0.13	0.66	0.40	5.4	3.4
9	1.7	1.9	1.7	e2.1	e1.4	1.2	1.9	0.92	0.42	0.15	6.0	3.1
10	1.7	1.8	1.7	e2.2	e1.5	1.2	1.6	1.6	0.40	0.22	4.1	3.3
11	1.6	1.8	1.7	e2.1	e1.5	1.2	1.6	1.7	0.49	0.05	0.47	2.9
12	1.8	1.9	1.8	e2.1	e1.5	1.2	1.4	1.8	0.38	0.09	3.0	2.6
13	1.8	1.9	1.9	e1.9	e1.5	1.2	1.2	1.7	0.76	0.28	4.2	2.7
14	1.7	1.9	1.9	e1.9	e1.6	1.1	1.2	1.7	0.67	0.08	4.2	2.7
15	1.6	1.8	1.9	e1.9	e1.6	1.1	1.4	1.1	0.47	0.10	4.2	2.6
16	1.5	1.5	1.9	e2.0	1.5	1.1	1.4	0.74	0.47	0.34	3.2	2.4
17	1.4	1.4	2.0	e2.0	1.5	1.1	1.4	0.85	0.24	0.21	2.2	2.6
18	1.3	1.4	2.0	e1.9	1.5	1.1	1.6	0.71	0.75	0.17	2.9	2.6
19	1.3	1.5	2.0	e1.9	1.5	1.1	1.5	1.3	0.70	0.08	1.4	2.6
20	1.3	1.4	1.9	e1.9	1.4	1.1	1.5	0.90	0.60	0.22	3.6	2.9
21	1.3	1.4	1.8	e2.0	1.4	1.1	1.4	0.84	0.48	0.15	4.6	3.5
22	1.3	1.4	1.8	e2.0	1.5	1.1	1.4	0.50	0.44	0.10	5.1	3.3
23	1.4	1.4	1.8	e2.2	1.5	1.1	1.4	0.16	0.08	2.5	5.4	3.1
24	1.5	1.4	1.7	e2.2	1.5	1.1	1.5	0.40	0.30	3.9	5.4	2.8
25	1.6	1.5	2.0	e2.2	1.4	1.3	1.4	1.1	0.23	2.8	4.9	1.9
26	1.6	1.5	1.9	2.2	1.4	1.7	1.2	0.54	0.52	4.7	2.9	1.5
27	1.6	1.5	1.9	2.2	1.4	1.8	1.3	1.4	0.53	4.9	2.9	0.83
28	1.7	1.5	1.8	2.3	1.4	1.9	1.4	1.3	0.47	4.2	3.9	1.4
29	1.7	1.5	1.8	2.1	---	1.9	1.5	1.2	0.44	4.2	3.8	1.6
30	1.7	1.5	1.9	2.1	---	1.9	1.1	0.81	0.40	4.1	4.0	2.4
31	1.8	---	2.0	2.1	---	1.9	---	0.80	---	4.9	3.9	---
TOTAL	53.0	49.8	56.1	64.9	44.0	41.0	45.8	29.66	16.08	40.92	122.57	81.13
MEAN	1.71	1.66	1.81	2.09	1.57	1.32	1.53	0.96	0.54	1.32	3.95	2.70
MAX	2.4	2.0	2.0	2.3	2.0	1.9	2.1	1.8	0.87	4.9	6.3	3.8
MIN	1.3	1.4	1.5	1.9	1.4	1.1	1.1	0.13	0.08	0.05	0.47	0.83
AC-FT	105	99	111	129	87	81	91	59	32	81	243	161

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

MEAN	5.52	3.67	2.91	2.69	2.77	2.54	10.9	42.8	26.7	6.05	7.34	6.30
MAX	9.38	10.3	8.65	5.00	5.07	5.61	32.1	99.9	110	16.0	21.1	13.6
(WY)	(2001)	(2000)	(2000)	(1994)	(1994)	(1997)	(1997)	(1997)	(1995)	(1995)	(1999)	(1999)
MIN	0.56	0.88	1.09	0.96	0.77	0.76	0.82	0.96	0.27	0.22	0.21	0.79
(WY)	(2002)	(2002)	(1999)	(2001)	(2001)	(1999)	(2001)	(2003)	(2002)	(2001)	(2001)	(2001)

10157500 DANIELS CREEK AT CHARLESTON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1994 - 2003	
ANNUAL TOTAL	684.22		644.96			
ANNUAL MEAN	1.87		1.77		10.1	
HIGHEST ANNUAL MEAN					21.2	1995
LOWEST ANNUAL MEAN					1.67	2002
HIGHEST DAILY MEAN	5.6	May 23	6.3	Aug 1	244	Jun 6, 1995
LOWEST DAILY MEAN	0.00	Jun 16	0.05	Jul 2	0.00	Jul 23, 1994
ANNUAL SEVEN-DAY MINIMUM	0.07	Jun 14	0.14	Jul 9	0.01	Jul 19, 1994
ANNUAL RUNOFF (AC-FT)	1,360		1,280		7,290	
10 PERCENT EXCEEDS	3.1		3.2		23	
50 PERCENT EXCEEDS	1.8		1.6		3.2	
90 PERCENT EXCEEDS	0.49		0.47		0.65	

e Estimated

10159500 PROVO RIVER BELOW DEER CREEK DAM, UT

LOCATION.--Lat 40°24'12", long 111°31'44", in NE¼NE¼NE¼ sec. 7, T. 5 S., R. 4 E., Wasatch County, Hydrologic Unit 16020203, on right bank 200 ft upstream from Deer Creek, 1,000 ft downstream from Deer Creek Dam, and 4.1 mi northeast of Vivian Park.

DRAINAGE AREA.--547 mi^2.

PERIOD OF RECORD.--May 1953 to September 2003 (discontinued).

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-81-1: 1980.

GAGE.--Water-stage recorder. Elevation of gage is 5,260 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for daily discharges from Jul 22 to Sep 30, which are poor. Flow regulated by Deer Creek Reservoir and by small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow also affected by irrigation diversions above station and water diverted to Provo River by Weber-Provo diversion canal and Duchesne Tunnel, a transbasin diversion. Information is available for these stations from the Provo River Water Commissioner's Report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,260 ft^3/s, Jun 3, 1983, gage height, 9.11 ft; no flow Feb 2, 3, 1957, Nov 12, 19, 1961, when reservoir gates were closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 461 ft^3/s, Jul 19; minimum daily discharge, 84 ft^3/s, Dec 7, 8, 9.

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

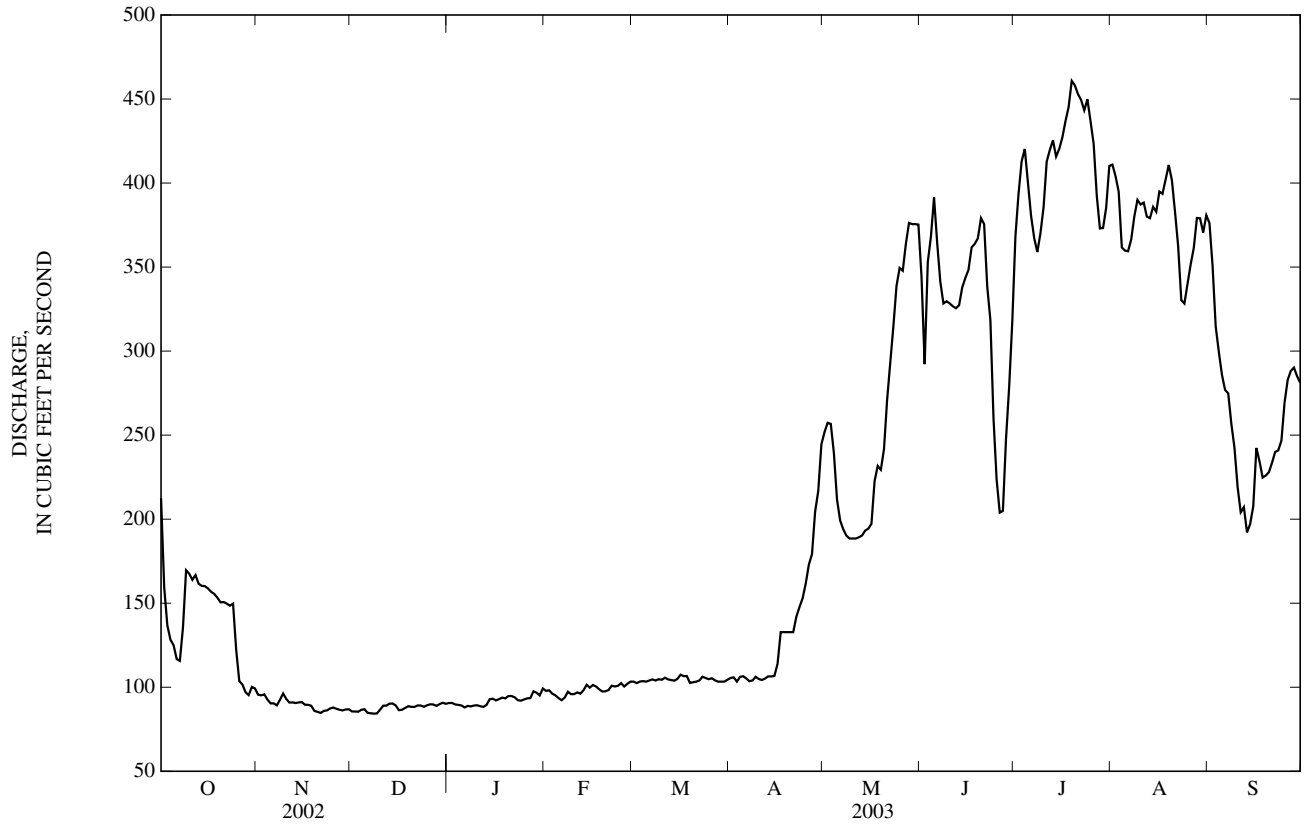
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	96	86	91	98	103	106	252	344	368	411	376
2	159	95	86	91	98	102	106	257	292	394	404	351
3	137	96	85	90	96	103	103	257	353	413	395	315
4	128	93	87	89	95	104	106	239	368	420	362	300
5	125	90	87	89	94	103	107	212	391	400	360	286
6	117	90	85	88	92	104	105	199	364	381	359	277
7	116	89	84	89	94	105	104	194	341	367	366	275
8	136	93	84	89	97	104	104	190	328	359	380	257
9	170	96	84	89	96	105	106	188	330	370	390	243
10	167	93	87	89	96	104	105	188	328	386	387	219
11	164	91	89	89	97	106	104	188	327	413	388	204
12	167	91	89	88	96	105	105	189	326	420	380	207
13	162	91	90	89	98	104	106	190	327	425	379	192
14	160	91	90	93	101	104	106	193	338	416	386	197
15	160	91	89	93	100	105	107	194	344	420	383	208
16	159	90	86	92	101	107	114	197	348	427	395	242
17	157	90	87	93	100	107	133	223	362	437	394	234
18	156	89	88	94	99	107	133	232	364	445	402	225
19	153	86	89	93	97	103	133	229	367	461	411	226
20	151	85	88	95	98	103	133	242	379	458	402	228
21	151	85	88	95	98	103	133	271	376	453	383	234
22	150	86	89	94	101	104	142	293	338	449	362	240
23	149	86	89	92	100	106	148	315	318	443	330	241
24	150	87	88	92	101	105	153	339	260	450	328	247
25	122	88	89	93	102	105	162	349	223	437	340	269
26	104	87	90	93	100	105	173	348	204	423	352	283
27	102	87	90	94	102	104	179	364	205	392	361	288
28	97	86	89	98	103	103	205	376	248	373	379	290
29	95	87	90	97	---	103	217	376	279	373	379	285
30	100	87	91	95	---	103	244	376	317	385	371	281
31	99	---	90	99	---	104	---	375	---	410	381	---
TOTAL	4,375	2,692	2,723	2,855	2,750	3,233	3,982	8,035	9,689	12,768	11,700	7,720
MEAN	141	89.7	87.8	92.1	98.2	104	133	259	323	412	377	257
MAX	212	96	91	99	103	107	244	376	391	461	411	376
MIN	95	85	84	88	92	102	103	188	204	359	328	192
AC-FT	8,680	5,340	5,400	5,660	5,450	6,410	7,900	15,940	19,220	25,330	23,210	15,310

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1954 - 2003, BY WATER YEAR (WY)

MEAN	209	173	209	204	217	241	309	590	790	502	422	345
MAX	490	509	508	615	772	1,146	1,202	1,200	1,613	927	575	581
(WY)	(1984)	(1983)	(1983)	(1997)	(1997)	(1986)	(1986)	(1984)	(1983)	(1965)	(1986)	(1986)
MIN	75.6	0.80	67.0	57.3	53.1	42.8	75.5	199	304	178	120	75.6
(WY)	(1962)	(1963)	(1993)	(1989)	(1981)	(1961)	(1961)	(1977)	(1977)	(1961)	(1961)	(1961)

10159500 PROVO RIVER BELOW DEER CREEK DAM, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1954 - 2003	
ANNUAL TOTAL	75,700		72,522			
ANNUAL MEAN	207		199		351	
HIGHEST ANNUAL MEAN					641	1986
LOWEST ANNUAL MEAN					148	1977
HIGHEST DAILY MEAN	997	May 11	461	Jul 19	2,240	Jun 2, 1983
LOWEST DAILY MEAN	84	Dec 7	84	Dec 7	0.00	Feb 2, 1957
ANNUAL SEVEN-DAY MINIMUM	85	Dec 3	85	Dec 3	0.40	Dec 1, 1962
ANNUAL RUNOFF (AC-FT)	150,200		143,800		254,600	
10 PERCENT EXCEEDS	378		385		600	
50 PERCENT EXCEEDS	101		133		306	
90 PERCENT EXCEEDS	88		89		90	



10163000 PROVO RIVER AT PROVO, UT

LOCATION.--Lat 40°14'16", long 111°41'55", in NE¼NW¼SE¼ sec. 3, T. 7 S., R. 2 E., Utah County, Hydrologic Unit 16020203, on left bank 1,300 ft downstream from bridge on State Highway 114, 2.1 mi west of Provo, and 2.1 mi upstream from mouth.

DRAINAGE AREA.--673 mi^2.

PERIOD OF RECORD.--May 1903 to June 1905, May 1933 to September 1934, January 1937 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "at San Pedro, Los Angeles and Salt Lake Railroad bridge, near Provo" 1903-04, and as "at Rio Grande Western Railroad bridge, near Provo" 1905.

REVISED RECORDS.--WSP 1564: 1904, 1934. WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,510 ft above sea level, from topographic map. May 1903 to June 1905, nonrecording gages at site 0.8 mi upstream at different datums. May 1933 to September 1934, non-recording gage at present site at different datum. January 1937 to November 1938, water-stage recorder at site 1,000 ft upstream at different datum. November 1938 to August 1957, water-stage recorder at present site at datum 2.00 ft higher.

REMARKS.--Records good. Station is below all diversions. At times entire flow is diverted above station for irrigation. Flow regulated by Deer Creek Reservoir, Jordanelle Reservoir, and small lakes at headwaters that serve as reservoirs. Small transmountain diversions from Strawberry River drain into Daniels Creek. Flow affected by Weber-Provo diversion canal and Duchesne Tunnel, a transbasin diversion. Certain diversions for industrial use which reach Provo Bay, an arm of Utah Lake, are made above station; however, part of this flow is used for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,520 ft^3/s, May 6, 1952, gage height, 6.37 ft, datum then in use; no flow for several periods.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 432 ft^3/s, Sep 10, gage height, 4.80 ft; minimum daily discharge, 6.5 ft^3/s, Aug 14.

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

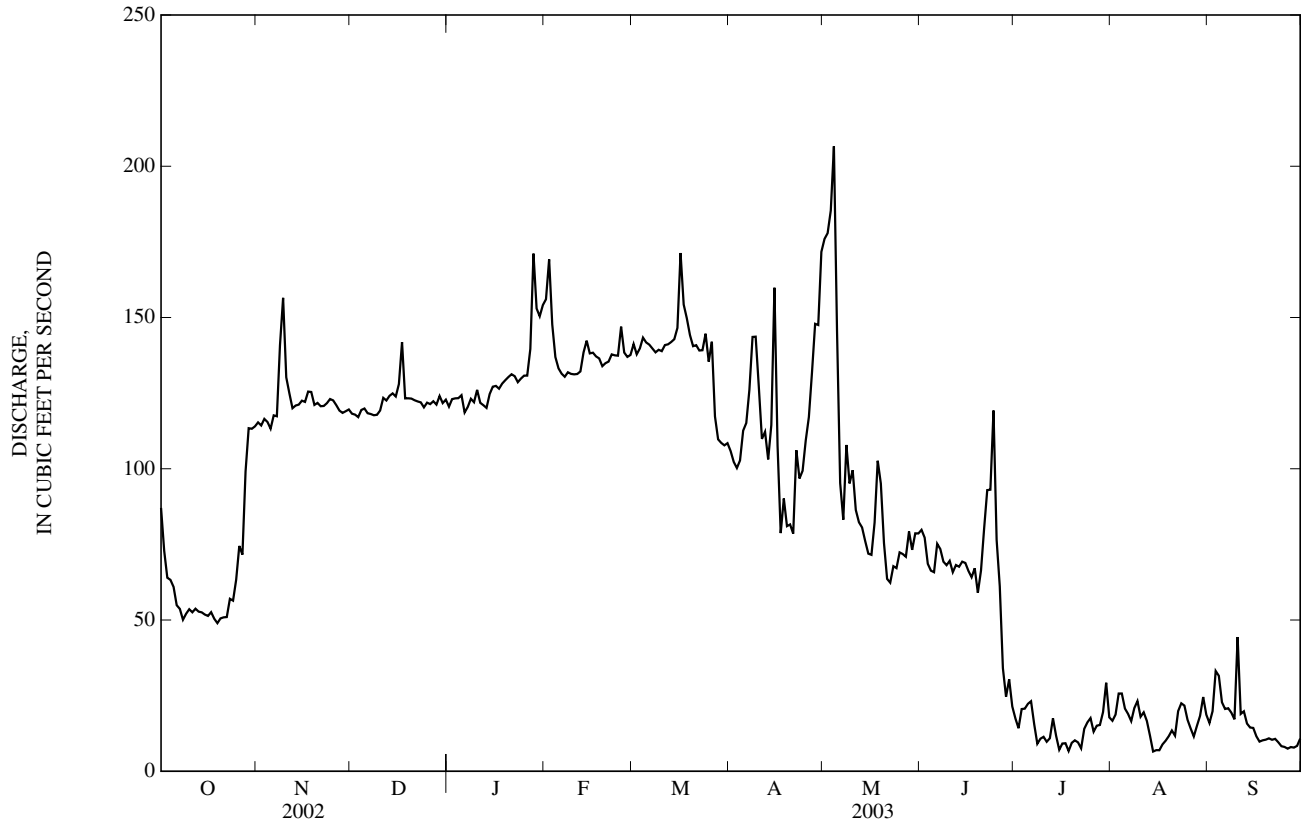
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	115	118	121	156	141	106	176	80	17	17	16
2	73	114	118	123	169	138	102	178	77	14	19	20
3	64	116	117	123	148	140	100	185	69	21	26	33
4	63	115	119	123	137	143	103	207	66	21	26	32
5	61	113	120	124	133	142	113	146	66	22	21	23
6	55	118	118	119	131	141	115	95	75	23	19	21
7	54	117	118	120	130	140	126	83	73	16	17	21
8	50	141	118	123	132	138	144	108	69	9.1	21	19
9	52	157	118	122	131	139	144	95	68	11	23	17
10	54	130	119	126	131	139	127	100	70	11	18	44
11	53	125	123	122	131	141	110	86	66	9.7	19	19
12	54	120	123	121	132	141	112	82	68	11	17	20
13	53	121	124	120	138	142	103	81	68	17	12	16
14	53	121	125	125	142	143	114	76	69	12	6.5	14
15	52	123	124	127	138	147	160	72	69	7.1	7.0	14
16	51	122	128	127	138	171	108	72	66	9.2	7.0	12
17	53	126	142	126	137	154	79	82	64	9.3	8.9	9.8
18	50	125	123	128	136	150	90	103	67	6.7	10	10
19	49	121	123	129	134	144	81	95	59	9.4	12	10
20	51	122	123	130	135	141	82	75	66	10	13	11
21	51	121	123	131	135	141	79	64	80	9.5	12	10
22	51	121	122	131	138	139	106	62	93	7.6	20	11
23	57	122	122	129	137	139	97	68	93	14	22	9.6
24	56	123	120	130	137	145	99	67	119	16	22	8.3
25	63	123	122	131	147	135	109	72	77	18	17	8.0
26	74	121	121	131	138	142	117	72	61	13	14	7.5
27	72	119	122	140	137	117	132	71	34	15	12	8.0
28	99	118	121	171	138	110	148	79	25	15	15	7.8
29	113	119	124	153	---	109	148	73	30	20	18	8.4
30	113	120	122	150	---	108	172	79	21	29	25	11
31	114	---	123	154	---	108	---	79	---	18	19	---
TOTAL	1,995	3,669	3,783	4,030	3,866	4,268	3,426	2,983	2,008	441.6	515.4	471.4
MEAN	64.4	122	122	130	138	138	114	96.2	66.9	14.2	16.6	15.7
MAX	114	157	142	171	169	171	172	207	119	29	26	44
MIN	49	113	117	119	130	108	79	62	21	6.7	6.5	7.5
AC-FT	3,960	7,280	7,500	7,990	7,670	8,470	6,800	5,920	3,980	876	1,020	935

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	141	202	245	239	251	272	297	314	345	47.9	22.5	52.4
MAX	512	585	574	629	818	1,257	1,345	1,396	1,571	390	210	278
(WY)	(1984)	(1983)	(1983)	(1997)	(1986)	(1986)	(1986)	(1952)	(1983)	(1965)	(1983)	(1986)
MIN	10.9	25.6	39.4	24.7	35.5	40.9	24.3	2.22	2.33	0.68	1.12	1.56
(WY)	(1961)	(1963)	(1993)	(1989)	(1989)	(1961)	(1961)	(1961)	(1977)	(1946)	(1960)	(1960)

10163000 PROVO RIVER AT PROVO, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	33,391.05		31,456.4			
ANNUAL MEAN	91.5		86.2		202	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	694	May 11	207	May 4	2,420	May 6, 1952
LOWEST DAILY MEAN	0.30	Jul 19	6.5	Aug 14	0.10	Aug 25, 1992
ANNUAL SEVEN-DAY MINIMUM	0.83	Jul 14	8.2	Sep 23	0.46	Jul 24, 1946
ANNUAL RUNOFF (AC-FT)	66,230		62,390		146,100	
10 PERCENT EXCEEDS	139		141		413	
50 PERCENT EXCEEDS	87		103		132	
90 PERCENT EXCEEDS	7.8		12		6.9	



10164500 AMERICAN FORK ABOVE UPPER POWERPLANT, NEAR AMERICAN FORK, UT

LOCATION.--Lat 40°26'52", long 111°40'53", in SE¼NW¼NE¼ sec. 26, T. 4 S., R. 2 E., Utah County, Hydrologic Unit 16020201, on left bank 600 ft downstream from Rock Creek, 1,000 ft upstream from intake for upper power-plant of PacifiCorp, 4.0 mi upstream from mouth of canyon, and 6.7 mi northeast of American Fork.

DRAINAGE AREA.--51.1 mi^2.

PERIOD OF RECORD.--January 1927 to current year. Monthly discharge only January 1927 to September 1945, published in WSP 1314.

REVISED RECORDS.--WSP 1634 Drainage area. WDR-UT-96-1: 1995.

GAGE.--Water-stage recorder. Elevation of gage is 5,950 ft above NGVD of 1929, from topographic map. Prior to September 8, 1965, at same site at different datum. September 8, 1965 to November 20, 1967, at site 300 ft upstream.

REMARKS.--Records good. Flow regulated by Silver Lake Flat Reservoir (constructed 1971) and Tibble Reservoir; total capacity, 1,260 acre-ft.

COOPERATION.--Records collected by PacifiCorp, under general supervision of Geological Survey, in connection with a Federal Energy Regulatory Commission project.

AVERAGE DISCHARGE.--76 years, 56.2 ft^3/s, 40,720 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred Jul 30, 1953, gage height, 9.20 ft, from floodmark; minimum, 1.1 ft^3/s, Dec 20, 1976 (result of freezeup).

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	29	18	20	17	17	15	21	38	196	49	43	24
2	28	16	19	17	18	15	23	36	162	49	45	23
3	25	16	19	17	17	15	24	37	153	47	45	23
4	24	18	19	17	17	15	21	38	142	46	43	23
5	23	18	19	17	15	15	23	36	123	43	43	22
6	23	19	19	16	15	15	21	35	114	43	42	23
7	24	21	19	16	15	15	21	34	109	42	41	23
8	24	23	18	16	15	15	21	35	104	41	41	22
9	23	29	17	16	15	15	21	36	100	40	40	24
10	22	25	18	17	15	15	23	36	91	38	39	28
11	22	24	18	16	16	16	27	35	89	37	39	25
12	21	21	18	16	15	17	32	36	90	35	37	24
13	21	23	18	16	17	17	38	40	77	34	35	23
14	21	22	18	16	17	20	41	49	72	34	35	23
15	21	22	18	16	15	20	40	62	70	33	34	22
16	21	21	18	15	15	24	36	85	69	33	33	22
17	21	22	20	16	15	20	36	85	65	32	32	23
18	20	21	18	15	15	20	36	88	60	32	31	23
19	20	21	17	16	15	19	32	90	59	31	30	23
20	20	21	18	16	15	18	31	90	57	31	26	23
21	20	22	18	16	15	18	31	104	57	31	25	22
22	20	22	18	16	16	18	32	122	56	30	26	22
23	21	22	17	16	15	19	31	150	60	33	25	22
24	21	21	16	16	15	19	30	171	60	34	24	21
25	21	20	17	16	16	19	33	174	57	34	24	20
26	20	18	17	16	16	20	39	184	52	33	24	20
27	20	18	17	16	15	19	42	178	52	33	24	20
28	20	19	17	17	15	18	40	185	51	32	24	19
29	20	20	17	16	---	18	39	209	50	32	24	19
30	20	19	17	16	---	18	39	212	48	33	26	19
31	19	---	17	17	---	19	---	213	---	39	24	---
TOTAL	675	622	556	502	437	546	924	2,923	2,545	1,134	1,024	670
MEAN	21.8	20.7	17.9	16.2	15.6	17.6	30.8	94.3	84.8	36.6	33.0	22.3
MAX	29	29	20	17	18	24	42	213	196	49	45	28
MIN	19	16	16	15	15	15	21	34	48	30	24	19
AC-FT	1,340	1,230	1,100	996	867	1,080	1,830	5,800	5,050	2,250	2,030	1,330

CAL YR	2002	TOTAL	13,249	MEAN	36.3	MAX	170	MIN	13	AC-FT	26,280
WTR YR	2003	TOTAL	12,558	MEAN	34.4	MAX	213	MIN	15	AC-FT	24,910

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT

LOCATION.--Lat 40°24'19", long 112°05'59", in NW¼NE¼NE¼ sec. 7, T. 5 S., R. 2 W., Utah County, Hydrologic Unit 16020201, on right bank 100 ft upstream from a right bank diversion, 540 ft downstream from 6 ft culvert, and 5.3 mi north of Cedar Fort.

DRAINAGE AREA.--26.8 mi^2.

PERIOD OF RECORD.--July 1965 to October 1975, October 1986 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,620 ft above NGVD of 1929, from topographic map. Prior to July 21, 1993 at site 700 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,660 ft^3/s, Aug 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.01 ft^3/s, Apr 20, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9.4 ft^3/s, May 28, 31, gage height, 2.57 ft; minimum discharge, 0.01 ft^3/s, Apr 20.

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	0.31	0.57	e0.21	e0.21	0.31	e0.15	0.07	0.16	5.6	0.91	0.62	0.28
2	0.26	0.71	e0.22	e0.26	0.31	e0.16	0.06	0.17	4.9	0.88	0.60	0.29
3	0.27	0.59	e0.22	e0.21	e0.31	e0.17	0.10	0.18	3.8	0.86	0.60	0.25
4	0.33	0.50	e0.22	e0.20	e0.21	e0.16	0.08	0.23	3.4	0.81	0.59	0.23
5	0.47	0.37	e0.22	e0.15	e0.21	e0.20	0.10	0.27	2.9	0.81	0.59	0.22
6	0.43	0.40	e0.20	e0.14	e0.16	e0.18	0.09	0.31	2.6	0.80	0.58	0.22
7	0.38	0.42	e0.18	e0.13	e0.11	0.10	0.09	0.47	2.4	0.77	0.58	0.21
8	0.34	0.49	e0.16	e0.10	e0.11	0.10	0.07	0.47	2.1	0.75	0.50	0.21
9	0.31	0.40	e0.16	e0.07	e0.12	0.09	0.07	0.48	2.0	0.75	0.49	0.20
10	0.30	0.40	e0.18	e0.07	e0.15	0.09	0.07	0.54	1.8	0.74	0.50	0.19
11	0.31	e0.45	e0.20	e0.07	e0.18	0.08	0.07	0.58	1.6	0.74	0.49	0.19
12	0.29	0.45	e0.23	e0.10	e0.19	0.06	0.06	0.68	1.7	0.74	0.49	0.18
13	0.31	0.40	e0.25	e0.11	e0.20	0.06	0.06	0.92	1.6	0.75	0.48	0.18
14	0.28	0.44	e0.30	e0.11	e0.26	0.08	0.08	1.2	1.5	0.75	0.48	0.18
15	0.30	0.35	e0.25	e0.11	e0.28	0.11	0.10	1.8	1.3	0.75	0.47	0.17
16	0.35	0.45	e0.20	e0.08	e0.31	0.36	0.10	0.84	1.4	0.75	0.49	0.17
17	0.36	0.38	e0.18	e0.07	e0.30	0.08	0.11	0.44	1.3	0.75	0.47	0.16
18	0.38	0.36	e0.18	e0.10	e0.29	0.08	0.13	0.46	1.3	0.75	0.45	0.16
19	0.32	0.34	e0.20	e0.10	e0.25	0.08	0.09	1.3	1.2	0.75	0.44	0.16
20	0.36	0.27	e0.17	e0.11	e0.30	0.08	0.03	2.0	1.2	0.76	0.42	0.15
21	0.36	0.32	e0.17	e0.12	e0.30	0.08	0.03	2.4	1.4	0.69	0.38	0.15
22	0.41	0.26	e0.17	e0.13	e0.28	0.08	0.06	2.8	1.3	0.67	0.38	0.14
23	0.46	0.23	e0.15	e0.16	e0.25	0.08	0.04	3.8	1.8	0.68	0.37	0.14
24	0.57	0.22	e0.14	e0.17	e0.21	0.09	0.04	4.8	1.6	0.67	0.35	0.14
25	0.63	e0.20	e0.13	e0.20	e0.16	0.08	0.05	5.4	1.4	0.67	0.33	0.14
26	0.71	e0.18	e0.18	e0.23	e0.11	0.11	0.08	6.2	1.2	0.67	0.32	0.14
27	0.64	e0.18	e0.25	e0.25	e0.12	0.09	0.10	7.0	1.2	0.67	0.31	0.14
28	0.67	e0.18	e0.30	e0.28	e0.13	0.08	0.09	6.9	1.1	0.67	0.30	0.14
29	0.53	e0.16	e0.26	0.27	---	0.08	0.11	6.7	0.99	0.67	0.31	0.14
30	0.58	e0.20	e0.24	0.32	---	0.08	0.12	6.8	0.96	0.67	0.31	0.12
31	0.55	---	e0.21	0.31	---	0.07	---	6.6	---	0.69	0.28	---
TOTAL	12.77	10.87	6.33	4.94	6.12	3.39	2.35	72.90	58.55	22.99	13.97	5.39
MEAN	0.41	0.36	0.20	0.16	0.22	0.11	0.078	2.35	1.95	0.74	0.45	0.18
MAX	0.71	0.71	0.30	0.32	0.31	0.36	0.13	7.0	5.6	0.91	0.62	0.29
MIN	0.26	0.16	0.13	0.07	0.11	0.06	0.03	0.16	0.96	0.67	0.28	0.12
AC-FT	25	22	13	9.8	12	6.7	4.7	145	116	46	28	11

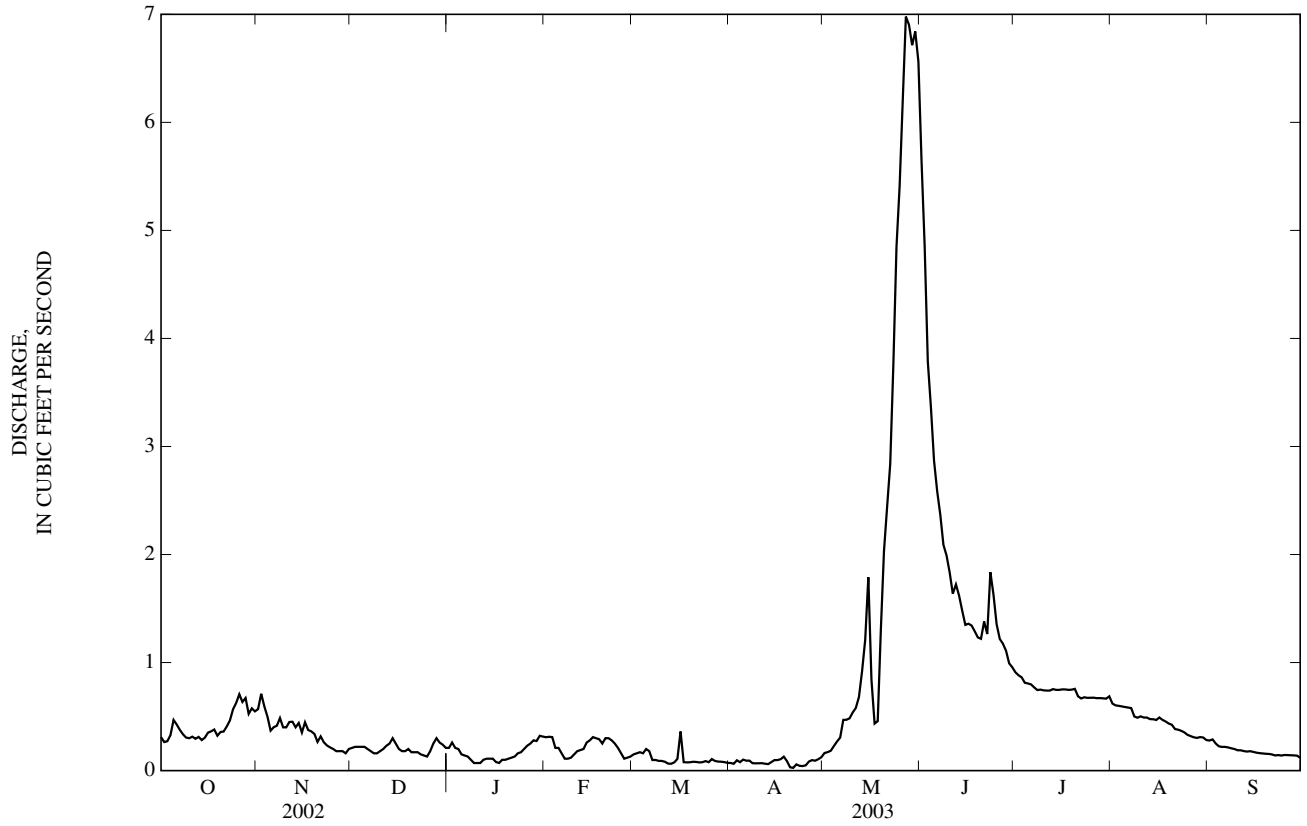
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987-2003, BY WATER YEAR (WY)

MEAN	1.30	1.09	0.73	0.58	0.56	1.03	4.11	13.2	11.2	4.93	2.56	1.47
MAX	4.16	3.40	2.05	1.53	1.56	3.59	17.4	44.2	29.0	21.2	8.90	4.47
(WY)	(1996)	(1996)	(1996)	(1999)	(1987)	(1996)	(1969)	(1973)	(1995)	(1975)	(1975)	(1975)
MIN	0.17	0.17	0.10	0.062	0.057	0.11	0.078	2.35	1.63	0.66	0.26	0.18
(WY)	(1993)	(1991)	(1993)	(1991)	(1991)	(2003)	(2003)	(2003)	(1992)	(1992)	(1992)	(2003)

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1966-75, 1987-2003	
ANNUAL TOTAL	371.94		220.57			
ANNUAL MEAN	1.02		0.60		3.57	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					0.60	2003
HIGHEST DAILY MEAN	8.3	May 20	7.0	May 27	85	May 20, 1973
LOWEST DAILY MEAN	0.08	Mar 29	0.03	Apr 20	0.03	Oct 2, 1992
ANNUAL SEVEN-DAY MINIMUM	0.09	Apr 22	0.05	Apr 20	0.05	Apr 20, 2003
ANNUAL RUNOFF (AC-FT)	738		438		2,590	
10 PERCENT EXCEEDS	3.4		1.3		10	
50 PERCENT EXCEEDS	0.33		0.28		1.1	
90 PERCENT EXCEEDS	0.10		0.08		0.21	

e Estimated



10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°39'51", long 111°53'53", in SW¼NW¼NE¼ sec. 12, T. 2 S., R. 1 W., Salt Lake County, on right bank 10 ft upstream from 300 W. bridge, and 3000 ft upstream from mouth.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1980 to September 1981, October 1, 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,255 ft above NGVD of 1929, from topographic map. Records previous to October 1998 published by the U.S.G.S. from water stage recorder at site approximately 1000 feet downstream at different datum. Additional discharge records available from Salt Lake County Engineering.

REMARKS.--Record good, except for June 6 through July 7, which is fair. Flow regulated. Diversions for irrigation and return flow from irrigation canals.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 527 ft^3/s, May 30, 2003, gage height 4.25 ft; minimum daily discharge, 0.35 ft^3/s, Nov 5, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 527 ft^3/s, May 30, gage height, 4.25 ft; minimum daily discharge, 0.59 ft^3/s, Jan 7, Mar 10.

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	35	0.69	0.77	1.9	1.2	3.4	1.4	16	309	6.6	6.6	15
2	17	0.74	0.80	0.83	19	1.2	1.8	3.3	269	5.9	6.8	12
3	7.7	0.75	0.81	0.64	4.1	0.65	12	8.6	217	5.2	8.2	6.3
4	6.9	0.67	0.70	0.64	6.1	3.3	3.6	31	160	4.9	8.9	10
5	8.0	1.4	0.66	0.84	3.3	1.5	9.6	13	162	5.5	10	12
6	8.8	0.81	0.76	0.74	1.5	0.73	9.2	4.1	122	5.5	10	11
7	8.1	2.1	0.76	0.59	1.4	0.61	10	57	102	5.5	13	13
8	6.9	4.9	0.78	0.64	1.4	1.8	2.9	17	99	5.5	13	14
9	7.1	3.4	0.80	0.67	1.4	0.90	1.8	22	81	4.7	12	10
10	6.5	4.9	0.77	0.74	1.3	0.59	1.6	36	72	4.3	12	35
11	6.2	3.4	0.84	0.84	1.3	1.1	1.9	12	86	5.5	10	13
12	8.5	1.3	0.84	0.87	1.5	0.91	2.8	11	86	5.8	4.7	16
13	6.7	1.1	0.85	0.82	1.9	0.88	3.8	12	36	6.8	3.7	9.2
14	7.7	1.1	0.80	0.77	4.5	1.2	5.1	17	15	6.4	5.5	5.5
15	10	0.97	0.94	0.78	2.0	1.2	33	50	15	5.3	7.1	8.2
16	13	1.4	1.1	0.86	2.2	27	15	109	14	5.7	6.4	8.1
17	2.5	1.6	3.2	0.87	2.1	2.1	11	148	9.9	6.0	6.5	8.0
18	1.2	1.7	2.0	0.90	1.5	5.8	36	140	8.7	7.2	7.5	1.4
19	1.4	1.6	0.98	0.89	1.5	2.1	12	130	11	6.8	9.9	4.3
20	1.2	3.8	1.2	0.94	1.4	0.96	6.0	114	11	7.7	13	8.4
21	1.1	1.3	0.93	0.94	1.2	0.84	4.2	111	18	8.5	18	9.0
22	5.2	0.94	0.85	0.95	1.3	1.0	7.0	136	21	7.3	29	6.5
23	4.4	0.84	0.81	0.91	1.5	1.2	4.5	179	82	13	16	9.8
24	4.3	3.7	0.83	0.97	1.4	1.2	3.8	202	70	22	13	8.6
25	0.96	3.1	0.85	1.0	2.5	1.2	2.6	190	38	29	12	4.4
26	0.62	0.97	0.87	1.1	1.7	13	3.6	269	26	15	9.8	3.5
27	0.92	0.96	0.81	1.9	1.2	5.0	2.6	311	25	8.3	6.3	3.8
28	1.3	1.5	0.78	26	0.95	2.8	2.2	315	15	11	8.4	3.8
29	1.2	0.83	0.78	2.0	---	1.6	2.1	377	13	11	12	2.4
30	0.90	0.81	0.97	1.5	---	1.5	2.4	406	11	7.0	7.9	3.0
31	0.91	---	3.4	1.3	---	1.4	---	368	---	5.7	9.3	---
TOTAL	192.21	53.28	32.24	55.34	72.35	88.67	215.5	3,815.0	2,204.6	254.6	316.5	275.2
MEAN	6.20	1.78	1.04	1.79	2.58	2.86	7.18	123	73.5	8.21	10.2	9.17
MAX	35	4.9	3.4	26	19	27	36	406	309	29	29	35
MIN	0.62	0.67	0.66	0.59	0.95	0.59	1.4	3.3	8.7	4.3	3.7	1.4
AC-FT	381	106	64	110	144	176	427	7,570	4,370	505	628	546

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2003, BY WATER YEAR (WY)

MEAN	12.4	4.56	3.17	3.37	3.76	5.67	16.0	122	94.8	17.4	12.3	10.4
MAX	29.8	8.81	4.61	6.98	5.90	9.51	27.6	148	243	55.3	21.5	13.3
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(2001)	(1999)	(1999)	(2001)	(2002)
MIN	5.82	1.78	1.04	1.56	2.12	2.86	7.18	84.0	35.4	6.88	8.64	8.42
(WY)	(2000)	(2003)	(2003)	(2002)	(2002)	(2003)	(2003)	(2002)	(2001)	(2000)	(2000)	(1999)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1999 - 2003	
ANNUAL TOTAL	6,352.43		7,575.49			
ANNUAL MEAN	17.4		20.8		25.6	
HIGHEST ANNUAL MEAN					45.2	1999
LOWEST ANNUAL MEAN					18.4	2002
HIGHEST DAILY MEAN	269	Jun 2	406	May 30	416	May 16, 2001
LOWEST DAILY MEAN	0.62	Oct 26	0.59	Jan 7	0.35	Nov 5, 2001
ANNUAL SEVEN-DAY MINIMUM	0.75	Dec 4	0.68	Jan 3	0.68	Jan 3, 2003
ANNUAL RUNOFF (AC-FT)	12,600		15,030		18,540	
10 PERCENT EXCEEDS	38		35		66	
50 PERCENT EXCEEDS	4.4		4.4		5.9	
90 PERCENT EXCEEDS	0.94		0.83		1.4	

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT—Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--February 1979 to August 1982, October 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1998 to September 2002.
WATER TEMPERATURE: October 1998 to September 2002.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 15,100 microsiemens/cm, Jan 27, 1999; minimum, 98 microsiemens/cm, Nov 22, 2001.
WATER TEMPERATURE: Maximum, 26.8°C, Jul 13, 2002; minimum, 0.0°C, Jan 19, 2002

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
NOV													
22...	1200	0.39	645	90	9.3	8.0	1,280	17.0	6.9	284	346	165	145
JAN													
22...	1110	0.98	662	93	10.4	7.9	1,530	10.5	4.8	329	402	203	163
MAR													
27...	1250	4.1	656	114	11.6	8.0	567	5.5	8.0	114	139	79.6	38.7
APR													
25...	0930	2.8	650	110	10.2	7.9	908	18.5	11.5	176	215	126	83.8
MAY													
15...	1150	44	654	110	10.6	8.3	316	21.0	10.4	64	78	37.2	22.4
JUN													
26...	1300	17	663	106	9.0	8.4	930	25.5	16.4	132	161	132	114
JUL													
22...	1020	7.1	660	97	7.3	8.1	1,940	29.5	22.4	222	271	316	260
SEP													
29...	1300	2.6	657	114	9.7	8.1	1,900	29.5	15.9	242	296	331	258

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Ammonia water, fltrd, mg/L (71846)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
NOV												
22...	0.09	0.42	0.49	0.51	0.33	0.93	0.11	2.18	0.066	0.020	E.01	0.051
JAN												
22...	0.10	0.38	0.62	0.64	0.28	1.0	0.13	2.76	0.059	0.018	E.02	0.046
MAR												
27...	0.05	0.57	0.41	0.43	0.52	1.0	0.06	1.80	0.072	0.022	E.01	0.056
APR												
25...	E.02	0.39	0.22	0.23	--	0.61	--	0.974	0.030	0.009	E.01	0.036
MAY												
15...	<0.04	0.27	--	0.49	--	0.76	--	--	--	E.006	<0.02	0.037
JUN												
26...	<0.04	0.35	--	0.34	--	0.69	--	--	--	E.006	E.01	0.041
JUL												
22...	E.02	0.94	--	0.22	--	1.2	--	--	--	E.007	E.01	0.085
SEP												
29...	0.14	0.91	0.72	0.77	0.77	1.7	0.18	3.20	0.148	0.045	E.02	0.054

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Suspended sediment load, tons/d (80155)	Suspended sediment concentration mg/L (80154)
NOV 22...	1200	0.07	67
JAN 22...	1110	0.12	46
MAR 27...	1250	0.14	13
APR 25...	0930	0.02	3
MAY 15...	1150	1.5	13
JUN 26...	1300	0.37	8
JUL 22...	1020	0.33	17
SEP 29...	1300	0.11	16

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)
JUL 28...	1000	8.0	7.4	7.8	1,610	21.4	68.9	95	115.1	19.9	289	24

Date	Time	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphosmethyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
NOV 22...	1200	<0.006	<0.006	<0.004	<0.005	93.9	0.011	<0.050	<0.010	<0.002	E.006	<0.020	<0.005
JAN 22...	1110	<0.006	<0.006	<0.004	<0.005	100	0.012	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005
MAR 27...	1250	<0.006	<0.006	<0.004	<0.005	74.0	<0.010	<0.050	<0.010	<0.002	E.039	<0.020	<0.005
APR 25...	0930	<0.006	<0.006	<0.004	<0.005	102	0.014	<0.050	<0.010	<0.002	E.020	<0.020	<0.005
MAY 15...	1150	<0.006	<0.006	<0.004	<0.005	94.7	<0.007	<0.050	<0.010	<0.002	E.004	<0.020	<0.005
JUN 26...	1300	<0.006	<0.006	<0.004	<0.005	98.2	E.006	<0.050	<0.010	<0.002	E.015	E.017	<0.005
JUL 22...	1020	<0.006	<0.006	<0.004	<0.005	101	0.010	<0.050	<0.010	<0.002	E.012	<0.020	<0.005
SEP 29...	1300	<0.006	<0.006	<0.004	<0.005	106	0.009	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	CIAT, water, fltrd, ug/L (04040)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)
NOV 22...	E.011	<0.006	<0.018	<0.003	<0.009	<0.004	119	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
JAN 22...	E.013	<0.006	<0.018	<0.003	<0.009	<0.004	113	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005
MAR 27...	<0.006	<0.006	<0.018	0.009	<0.009	<0.004	117	0.115	<0.005	<0.02	<0.002	<0.009	<0.005
APR 25...	E.008	<0.006	<0.018	0.003	<0.009	<0.004	122	0.025	<0.005	<0.02	0.012	<0.009	<0.005
MAY 15...	<0.006	<0.006	<0.018	<0.003	<0.009	<0.004	101	E.004	<0.005	<0.02	<0.002	<0.009	<0.005
JUN 26...	E.003	<0.006	<0.018	<0.003	<0.009	<0.004	104	E.016	<0.005	<0.02	<0.002	<0.009	<0.005
JUL 22...	E.005	<0.006	<0.018	<0.003	<0.009	<0.004	123	0.112	<0.005	<0.02	<0.002	<0.009	<0.005
SEP 29...	E.007	<0.006	<0.018	<0.003	<0.009	<0.004	111	0.032	<0.005	<0.02	<0.002	<0.009	<0.005

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)
NOV 22...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
JAN 22...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
MAR 27...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
APR 25...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
MAY 15...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	E.005	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
JUN 26...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
JUL 22...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
SEP 29...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003

10168000 LITTLE COTTONWOOD CREEK AT JORDAN RIVER NEAR SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
NOV 22...	<0.010	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	<0.005	0.04	<0.034	<0.02
JAN 22...	<0.010	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	<0.005	0.04	<0.034	<0.02
MAR 27...	<0.010	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02
APR 25...	<0.010	<0.004	0.029	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	<0.005	E.05	<0.034	<0.02
MAY 15...	<0.010	<0.004	E.014	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02
JUN 26...	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.006	E.01	<0.034	<0.02
JUL 22...	<0.010	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	<0.005	E.01	<0.034	<0.02
SEP 29...	<0.010	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	<0.005	0.02	<0.034	<0.02

Date	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
NOV 22...	<0.005	<0.002	<0.009
JAN 22...	<0.005	<0.002	<0.009
MAR 27...	<0.005	<0.002	<0.009
APR 25...	<0.005	<0.002	E.001
MAY 15...	<0.005	<0.002	<0.009
JUN 26...	<0.005	<0.002	<0.009
JUL 22...	<0.005	<0.002	<0.009
SEP 29...	<0.005	<0.002	<0.009

E Estimated value.
< Actual value is known to be less than the value shown.

10168300 TAILRACE AT STAIRS PLANT NEAR SALT LAKE CITY, UT

LOCATION.--Lat 40°37'26", long 111°45'05", in NW¼SE¼SW¼ sec. 20, T. 2 S., R. 2 E., Salt Lake County, Hydrologic Unit 16020204 on left bank at Stairs plant, 14 mi southeast of Salt Lake City.

DRAINAGE AREA.--49.2 mi^2.

PERIOD OF RECORD.--January 1925 to current year. Prior to 1986, not published, records available from PacifiCorp.

GAGE.--Water-stage recorder. Elevation of gage is 5,460 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--18 years, 26.4 ft^3/s, 19,100 acre-ft/yr.

COOPERATION.--Records collected by PacifiCorp.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78 ft^3/s, Jul 1, 1954; no flow many days, most years.

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	23	13	13	13	14	11	17	48	51	48	17	26
2	26	11	13	12	16	11	19	45	51	44	17	26
3	23	13	13	13	15	11	19	45	51	43	17	26
4	21	13	13	13	14	11	17	47	51	41	16	26
5	21	13	13	13	13	11	17	46	49	39	15	25
6	20	12	12	12	12	11	16	43	47	36	15	26
7	20	12	12	12	9.8	11	15	44	44	34	15	26
8	20	13	12	12	8.4	11	15	47	42	32	15	26
9	7.0	14	12	12	10	12	17	49	43	30	14	27
10	1.2	14	12	12	12	12	19	49	48	29	14	36
11	1.5	13	12	12	12	6.3	24	49	51	28	14	32
12	1.5	12	12	12	12	2.3	30	49	49	27	14	27
13	1.5	12	12	12	12	1.7	35	52	47	26	14	26
14	1.9	12	12	12	14	1.6	39	51	48	25	13	25
15	7.0	12	12	12	14	1.9	34	52	51	25	14	24
16	17	12	12	12	14	1.4	40	45	51	24	14	23
17	17	14	14	12	13	1.4	36	51	51	23	14	24
18	16	15	14	12	13	4.4	38	52	50	22	13	23
19	16	15	13	12	13	13	35	52	50	21	13	23
20	15	14	13	12	12	12	36	51	50	21	12	22
21	15	14	13	12	12	12	39	51	51	21	13	22
22	13	14	13	12	13	12	42	52	50	20	14	21
23	15	14	13	12	13	14	42	52	51	19	14	22
24	14	14	11	12	13	14	39	52	51	19	13	18
25	14	14	12	12	13	13	43	52	50	20	13	16
26	14	14	12	12	12	12	50	52	50	19	13	14
27	14	14	11	12	12	12	49	51	50	19	24	12
28	6.7	14	12	15	12	12	47	51	50	18	26	12
29	0.55	14	13	14	---	12	47	51	50	17	27	12
30	9.4	14	12	13	---	12	49	51	50	17	26	11
31	13	---	13	13	---	14	---	51	---	17	27	---
TOTAL	405.25	399	386	383	353.2	297.0	965	1,533	1,478	824	500	679
MEAN	13.1	13.3	12.5	12.4	12.6	9.58	32.2	49.5	49.3	26.6	16.1	22.6
MAX	26	15	14	15	16	14	50	52	51	48	27	36
MIN	0.55	11	11	12	8.4	1.4	15	43	42	17	12	11
AC-FT	804	791	766	760	701	589	1,910	3,040	2,930	1,630	992	1,350

CAL YR	2002	TOTAL	9,139.75	MEAN	25.0	MAX	53	MIN	0.00	AC-FT 18,130
WTR YR	2003	TOTAL	8,202.45	MEAN	22.5	MAX	52	MIN	0.55	AC-FT 16,270

10170500 SURPLUS CANAL AT SALT LAKE CITY, UT

LOCATION.--Lat 40°43'37", long 111°55'33", in SE¼SW¼SW¼ sec. 14, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, near right bank on upstream side of diversion dam at head of canal, and 250 ft downstream from highway bridge over Jordan River on 2100 South Street.

PERIOD OF RECORD.--December 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 4,223.93 ft above NGVD of 1929. Prior to October 22, 1952, at site 350 ft downstream; October 22, 1952 to September 30, 1966, at site 400 ft downstream at different datum; September 30, 1966 to October 1, 1989 at datum 10.0 ft lower.

REMARKS.--Records fair. Flow regulated by diversion structure at station. Canal was built to bypass floodwater of Jordan River around Salt Lake City residential and industrial area (see station 10170490 for records of combined flow of Jordan River and Surplus Canal). Several diversions for irrigation and waterfowl ponds below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,410 ft^3/s, Jun 1, 1984, gage height, 8.91 ft, datum then in use. No flow Jan 21 to Feb 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,840 ft^3/s, May 7, gage height, 13.89 ft; minimum daily discharge, 3.0 ft^3/s, Jan 19, Feb 1, 9.

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	527	106	90	127	e3.0	218	149	254	917	97	140	210
2	426	102	110	116	78	208	139	164	820	81	139	232
3	241	99	103	114	39	199	228	169	721	87	166	212
4	225	99	99	113	38	228	182	386	627	92	178	216
5	216	97	95	116	20	214	221	387	602	100	180	203
6	205	97	97	128	e6.5	199	250	207	544	118	170	207
7	195	95	102	135	e3.9	147	284	443	493	119	172	219
8	186	100	102	137	e3.4	62	189	769	490	110	172	218
9	179	130	103	130	e3.0	53	156	423	422	172	169	219
10	169	134	101	136	e3.9	51	154	774	312	128	155	591
11	160	157	100	132	e6.5	49	154	378	257	129	164	271
12	165	123	100	130	e44	49	158	338	271	145	137	262
13	153	114	100	128	137	52	168	297	238	163	114	182
14	157	105	100	119	167	53	174	354	238	172	115	152
15	149	103	97	118	155	56	286	410	217	143	125	180
16	139	103	108	116	147	244	202	446	207	134	120	200
17	133	102	159	116	174	126	174	424	214	140	126	244
18	261	101	120	63	187	146	322	413	214	141	138	144
19	191	94	110	e3.0	184	124	204	428	e225	143	156	121
20	149	82	105	e5.8	182	112	165	375	e240	159	164	150
21	124	92	107	e6.5	176	109	156	358	e280	171	171	152
22	125	87	108	e7.3	177	105	161	383	e270	148	338	131
23	200	89	107	e10	184	101	163	473	e1,000	148	304	147
24	168	102	108	e13	186	103	148	505	725	177	239	145
25	129	122	92	e18	208	115	138	441	455	175	236	148
26	122	107	97	e21	205	213	155	491	341	231	215	153
27	121	102	102	e25	206	202	144	559	225	187	223	148
28	119	97	104	325	198	151	147	592	165	189	193	145
29	118	86	101	96	---	134	151	756	140	177	189	142
30	119	90	105	52	---	132	162	890	135	156	180	144
31	112	---	128	17	---	135	---	1,000	---	156	148	---
TOTAL	5,683	3,117	3,260	2,773.6	3,122.2	4,090	5,484	14,287	12,005	4,488	5,436	5,888
MEAN	183	104	105	89.5	112	132	183	461	400	145	175	196
MAX	527	157	159	325	208	244	322	1,000	1,000	231	338	591
MIN	112	82	90	3.0	3.0	49	138	164	135	81	114	121
AC-FT	11,270	6,180	6,470	5,500	6,190	8,110	10,880	28,340	23,810	8,900	10,780	11,680

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	275	284	300	327	405	442	503	621	674	366	273	279
MAX	1,473	1,616	1,740	1,806	1,804	1,882	2,749	3,042	3,299	2,158	1,651	1,364
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1986)	(1986)	(1984)	(1983)	(1983)	(1986)
MIN	66.1	68.8	49.7	30.8	0.000	55.9	44.8	74.7	44.4	69.6	50.6	77.7
(WY)	(1962)	(1944)	(1944)	(1956)	(1963)	(1945)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	76,228		69,633.8			
ANNUAL MEAN	209		191		395	
HIGHEST ANNUAL MEAN					1,968	1984
LOWEST ANNUAL MEAN					69.6	1961
HIGHEST DAILY MEAN	942	Jun 7	1,000	May 31	4,250	Jun 1, 1984
LOWEST DAILY MEAN	82	Nov 20	3.0	Jan 19	0.00	Jan 21, 1963
ANNUAL SEVEN-DAY MINIMUM	92	Nov 17	6.7	Feb 5	0.00	Jan 21, 1963
ANNUAL RUNOFF (AC-FT)	151,200		138,100		286,400	
10 PERCENT EXCEEDS	351		380		1,040	
50 PERCENT EXCEEDS	169		149		201	
90 PERCENT EXCEEDS	103		87		83	

e Estimated

10171000 JORDAN RIVER AT SALT LAKE CITY, UT

LOCATION.--Lat 40°44'01", long 111°55'21", in SW¼SE¼NW¼ sec. 14, T. 1 S., R. 1 W., Salt Lake County, Hydrologic Unit 16020204, on right bank at 1700 South Street and about 1000 West, Salt Lake City, 4,000 ft downstream from diversion structure at head of Surplus Canal, and 1.7 mi downstream from Mill Creek.

DRAINAGE AREA.--3,438 mi^2 includes 255 mi^2 closed basin in Cedar Valley.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1942 to current year.

REVISED RECORDS.--WDR UT-88-1: 1987 (combined flow).

GAGE.--Water-stage recorder. Datum of gage is 4,220.08 ft above NGVD of 1929. Prior to July 1, 1976 at site 3,200 ft upstream at same datum.

REMARKS.--Records good. Flow completely regulated since reconstruction in May 1952 of Surplus Canal diversion dam 4,000 ft upstream. Flow affected by regulation at Utah Lake, Deer Creek Reservoir, other storage and regulation, and importation of water from other basins. Many diversions above station for irrigation, industrial, and municipal water supplies. For records of Surplus Canal see station 10170500. For records of combined flow, see following page.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 449 ft^3/s, Aug 20, 1986, gage height, 4.41 ft, maximum gage height, 5.75 ft Jun 26, 1952; no flow, May 10, 24, 1952, May 21, 22, 1962, Sep 21, 1963, May 14 to Jun 1, 1964, and Sep 6, 7, 1965 entire flow diverted to Surplus Canal. Maximum daily combined discharge (Jordan River and Surplus Canal), 4,510 ft^3/s, Jun 1, 1984; minimum daily, 89 ft^3/s, Jun 23, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 303 ft^3/s, Jan 28, gage height, 3.72 ft; minimum daily discharge, 21 ft^3/s, Mar 6.

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	121	124	125	122	186	27	114	126	157	115	140	116
2	120	126	123	121	225	27	113	122	142	114	139	117
3	120	125	121	119	207	27	118	122	135	117	140	118
4	123	125	122	119	204	27	116	127	141	119	141	118
5	125	125	121	119	198	27	119	102	147	122	140	118
6	124	125	121	114	192	20	120	127	144	126	138	118
7	124	125	122	109	189	61	123	126	142	127	136	118
8	124	125	121	109	188	134	119	101	141	130	135	119
9	125	127	121	109	187	137	116	127	139	142	133	120
10	126	127	121	109	187	137	116	134	134	136	130	145
11	126	129	121	109	186	136	116	125	128	138	129	112
12	126	127	121	110	149	135	117	122	128	136	126	120
13	126	126	120	110	95	136	117	124	124	141	124	140
14	126	126	121	110	90	137	117	130	124	140	124	136
15	126	126	121	110	87	137	122	132	122	138	124	139
16	125	126	121	110	87	153	120	125	125	136	123	134
17	125	126	125	110	58	126	119	130	126	138	123	132
18	130	125	122	145	e27	123	130	134	126	138	123	127
19	127	125	122	183	e27	122	122	135	129	140	120	126
20	126	125	121	188	e27	121	119	133	128	142	118	124
21	125	125	121	190	e27	121	119	134	132	143	119	122
22	125	125	121	191	e27	121	120	134	133	141	131	122
23	128	125	121	192	e27	121	119	138	167	142	124	123
24	127	125	121	194	e27	121	118	141	158	146	119	122
25	125	126	120	195	e27	116	119	140	137	147	118	123
26	125	126	121	197	e27	118	119	142	129	152	116	123
27	125	125	121	199	e27	116	119	148	116	147	117	123
28	125	125	121	255	e27	114	119	152	112	148	116	124
29	125	125	120	216	---	113	120	148	116	146	116	124
30	125	125	121	204	---	113	121	122	117	143	115	124
31	124	---	122	194	---	113	---	129	---	143	114	---
TOTAL	3,874	3,767	3,763	4,662	3,012	3,237	3,566	4,032	3,999	4,233	3,911	3,727
MEAN	125	126	121	150	108	104	119	130	133	137	126	124
MAX	130	129	125	255	225	153	130	152	167	152	141	145
MIN	120	124	120	109	27	20	113	101	112	114	114	112
AC-FT	7,680	7,470	7,460	9,250	5,970	6,420	7,070	8,000	7,930	8,400	7,760	7,390

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2003, BY WATER YEAR (WY)

MEAN	157	145	144	145	146	136	121	113	142	154	151	159
MAX	253	223	230	292	274	258	251	210	258	253	242	245
(WY)	(1985)	(1986)	(1986)	(1985)	(1985)	(1952)	(1952)	(1989)	(1991)	(1984)	(1983)	(1985)
MIN	78.7	64.9	75.2	54.2	27.4	58.3	31.3	25.5	56.0	68.3	68.3	63.5
(WY)	(1964)	(1964)	(1993)	(1993)	(2000)	(1962)	(1986)	(1964)	(1995)	(1961)	(1963)	(1963)

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1944 - 2003	
ANNUAL TOTAL	39,694		45,783			
ANNUAL MEAN	109		125		143	
HIGHEST ANNUAL MEAN					223	1985
LOWEST ANNUAL MEAN					92.3	1964
HIGHEST DAILY MEAN	138	Sep 21	255	Jan 28	337	Jun 25, 1952
LOWEST DAILY MEAN	12	Feb 23	20	Mar 6	0.00	May 10, 1952
ANNUAL SEVEN-DAY MINIMUM	12	Feb 23	26	Feb 28	0.00	May 14, 1964
ANNUAL RUNOFF (AC-FT)	78,730		90,810		103,400	
10 PERCENT EXCEEDS	125		147		193	
50 PERCENT EXCEEDS	113		125		142	
90 PERCENT EXCEEDS	94		111		93	

e Estimated

10170490 JORDAN RIVER AT SALT LAKE CITY, UT

COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF JORDAN RIVER AND SURPLUS CANAL

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	648	230	215	249	189	245	263	380	1,070	212	280	326
2	546	228	233	237	303	235	252	286	962	195	278	349
3	361	224	224	233	246	226	346	291	856	204	306	330
4	348	224	221	232	242	255	298	513	768	211	319	334
5	341	222	216	235	218	241	340	489	749	222	320	321
6	329	222	218	242	198	219	370	334	688	244	308	325
7	319	220	224	244	193	208	407	569	635	246	308	337
8	310	225	223	246	191	196	308	870	631	240	307	337
9	304	257	224	239	190	190	272	550	561	314	302	339
10	295	261	222	245	191	188	270	908	446	264	285	736
11	286	286	221	241	192	185	270	503	385	267	293	383
12	291	250	221	240	193	184	275	460	399	281	263	382
13	279	240	220	238	232	188	285	421	362	304	238	322
14	283	231	221	229	257	190	291	484	362	312	239	288
15	275	229	218	228	242	193	408	542	339	281	249	319
16	264	229	229	226	234	397	322	571	332	270	243	334
17	258	228	284	226	232	252	293	554	340	278	249	376
18	391	226	242	208	214	269	452	547	340	279	261	271
19	318	219	232	186	211	246	326	563	354	283	276	247
20	275	207	226	194	209	233	284	508	368	301	282	274
21	249	217	228	196	203	230	275	492	412	314	290	274
22	250	212	229	198	204	226	281	517	403	289	469	253
23	328	214	228	202	211	222	282	611	1,170	290	428	270
24	295	227	229	207	213	224	266	646	883	323	358	267
25	254	248	212	213	235	231	257	581	592	322	354	271
26	247	233	218	218	232	331	274	633	470	383	331	276
27	246	227	223	224	233	318	263	707	341	334	340	271
28	244	222	225	580	225	265	266	744	277	337	309	269
29	243	211	221	312	---	247	271	904	256	323	305	266
30	244	215	226	256	---	245	283	1,010	252	299	295	268
31	236	---	250	211	---	248	---	1,130	---	299	262	---
TOTAL	9,557	6,884	7,023	7,435	6,133	7,327	9,050	18,318	16,003	8,721	9,347	9,615
MEAN	308	229	227	240	219	236	302	591	533	281	302	320
MAX	648	286	284	580	303	397	452	1,130	1,170	383	469	736
MIN	236	207	212	186	189	184	252	286	252	195	238	247
AC-FT	18,960	13,650	13,930	14,750	12,160	14,530	17,950	36,330	31,740	17,300	18,540	19,070

CAL YR	2002	TOTAL	115,916	MEAN	318	MAX	1,060	MIN	204	AC-FT	229,900	
WTR YR	2003	TOTAL	115,413	MEAN	316	MAX	1,170	MIN	184	AC-FT	228,900	

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--January 1974 to September 1994, October 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to September 1978, October 1980 to September 1981, October 1998 to September 2002.
WATER TEMPERATURE: April 1975 to September 1978, October 1980 to September 1981, October 1998 to September 2002.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 3,240 microsiemens, Mar 18, 2002; minimum, 536 microsiemens, Jun 25, 1978.
WATER TEMPERATURE: Maximum, 28.0°C, Aug 29, 30, 1975; minimum, 0.5°C, Jan 2, 3, 1976.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)
OCT													
31...	1040	120	656	78	7.5	7.9	1,780	5.5	10.7	251	306	256	272
NOV													
20...	0920	123	669	--	--	7.9	1,770	5.0	10.0	242	295	247	262
DEC													
17...	1000	125	644	81	8.0	8.0	1,650	1.0	8.4	235	287	221	236
JAN													
30...	1130	199	645	78	7.5	7.8	1,700	11.5	9.8	237	289	227	242
MAR													
20...	1240	121	655	102	9.5	7.8	1,780	13.5	11.7	232	283	264	240
APR													
25...	1210	114	649	99	8.7	7.9	1,650	22.0	14.2	203	248	244	220
MAY													
15...	1450	125	654	135	11.2	7.9	1,200	23.5	16.9	171	208	164	158
JUN													
27...	1300	114	660	85	6.8	7.9	1,690	29.5	19.2	205	250	233	224
JUL													
22...	1350	93	659	92	6.7	7.9	1,830	37.5	24.0	236	288	272	266
SEP													
24...	1330	101	661	98	8.0	7.8	1,870	26.0	18.5	217	264	296	262

Date	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Ammonia water, fltrd, mg/L (71846)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)
OCT													
31...	0.69	1.4	5.74	6.00	0.72	7.4	0.88	25.4	0.854	0.260	3.84	1.25	1.42
NOV													
20...	0.88	1.9	5.69	6.00	1.0	7.9	1.13	25.2	1.03	0.314	4.14	1.35	1.55
DEC													
17...	1.36	2.3	4.59	4.77	0.94	7.1	1.76	20.3	0.601	0.183	3.31	1.08	1.34
JAN													
30...	1.41	2.2	7.73	7.93	0.75	10	1.81	34.2	0.647	0.197	4.25	1.39	1.55
MAR													
20...	1.09	2.0	8.01	8.18	0.90	10	1.41	35.5	0.555	0.169	4.22	1.38	1.57
APR													
25...	0.85	1.7	6.96	7.16	0.85	8.9	1.09	30.8	0.634	0.193	3.69	1.20	1.42
MAY													
15...	0.30	1.1	5.20	5.31	0.76	6.4	0.39	23.0	0.352	0.107	2.87	0.94	1.12
JUN													
27...	0.20	1.0	3.99	4.13	0.81	5.1	0.26	17.7	0.473	0.144	2.39	0.78	0.92
JUL													
22...	0.52	1.6	5.83	6.27	1.1	7.9	0.66	25.8	1.44	0.439	3.46	1.13	1.36
SEP													
24...	0.46	1.6	7.27	7.58	1.1	9.2	0.59	32.2	0.996	0.303	4.19	1.36	1.65

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Suspended sediment load, tons/d (80155)	Suspended sediment concentration mg/L (80154)
OCT		
31...	7.1	22
NOV		
20...	12	37
DEC		
17...	11	34
MAR		
20...	6.2	19
APR		
25...	6.2	20
MAY		
15...	6.1	18
JUN		
27...	7.4	24
JUL		
22...	5.8	23
SEP		
24...	6.0	22

Date	Time	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	alpha-HCH-d6, surrog, wat flt 0.7u GF percent recovry (91065)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)
NOV													
20...	0920	<0.006	<0.006	<0.004	<0.005	91.0	0.018	<0.050	<0.010	<0.002	E.005	<0.020	<0.005
JAN													
30...	1130	<0.006	<0.006	<0.004	<0.005	99.1	0.015	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005
MAR													
20...	1240	<0.006	<0.006	<0.004	<0.005	87.7	0.016	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005
APR													
25...	1210	<0.006	<0.006	<0.004	<0.005	94.5	0.067	<0.050	<0.010	<0.002	E.009	<0.020	<0.005
MAY													
15...	1450	<0.006	<0.006	<0.004	<0.005	96.5	0.022	<0.050	<0.010	<0.002	E.011	<0.020	<0.005
JUN													
27...	1300	<0.006	<0.006	<0.004	<0.005	91.2	0.018	<0.050	<0.010	<0.002	E.016	<0.020	<0.005
JUL													
22...	1350	<0.006	<0.006	<0.004	<0.005	109	0.023	<0.050	<0.010	<0.002	E.015	<0.020	<0.005
SEP													
24...	1330	<0.006	<0.006	<0.004	<0.005	97.2	0.013	<0.050	<0.010	<0.002	E.009	<0.020	<0.005

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	CIAT, water, fltrd, ug/L (04040)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon-d10 surrog. wat flt 0.7u GF percent recovry (91063)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)
NOV													
20...	E.010	<0.006	<0.018	<0.003	<0.009	<0.004	113	0.015	<0.005	<0.02	<0.002	<0.009	<0.005
JAN													
30...	E.012	<0.006	<0.018	E.002	<0.009	<0.004	119	0.020	<0.005	<0.02	<0.040	<0.009	<0.005
MAR													
20...	E.011	<0.006	<0.018	<0.003	<0.009	<0.004	117	0.020	<0.005	<0.02	<0.040	<0.009	<0.005
APR													
25...	E.009	<0.006	<0.018	<0.003	<0.009	<0.004	122	0.032	<0.005	<0.02	<0.002	<0.009	<0.035
MAY													
15...	E.007	<0.006	<0.018	E.003	<0.009	<0.004	111	0.027	<0.005	<0.02	<0.002	<0.009	<0.005
JUN													
27...	E.007	<0.006	<0.018	<0.003	<0.009	<0.004	106	0.042	<0.005	<0.02	<0.002	<0.009	<0.005
JUL													
22...	E.009	<0.006	<0.018	<0.003	<0.009	<0.004	129	0.043	<0.005	<0.02	<0.002	<0.009	<0.005
SEP													
24...	E.008	<0.006	<0.018	<0.003	<0.009	<0.004	126	0.019	<0.020	<0.02	<0.002	<0.009	<0.005

Date	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p-' DDE, water, fltrd, ug/L (34653)
NOV													
20...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
JAN													
30...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.004	<0.007	<0.003
MAR													
20...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
APR													
25...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
MAY													
15...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
JUN													
27...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
JUL													
22...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003
SEP													
24...	<0.005	<0.005	<0.007	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)
NOV													
20...	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02
JAN													
30...	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.011	<0.02	0.005	<0.02	<0.034	<0.02
MAR													
20...	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	0.021	<0.02	<0.005	<0.02	<0.034	<0.02
APR													
25...	<0.010	<0.004	<0.022	<0.011	0.06	<0.004	<0.010	<0.011	<0.02	<0.007	E.02	<0.034	<0.02
MAY													
15...	<0.010	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.025	<0.02	<0.005	E.01	<0.034	<0.02
JUN													
27...	<0.010	<0.004	<0.022	<0.011	0.04	<0.004	<0.010	<0.011	<0.02	<0.007	E.01	<0.034	<0.02
JUL													
22...	<0.010	<0.004	<0.022	<0.011	0.03	<0.004	<0.010	<0.011	<0.02	<0.005	E.01	<0.034	<0.02
SEP													
24...	<0.010	<0.004	<0.022	<0.011	0.02	<0.004	<0.010	<0.020	<0.02	<0.005	E.02	<0.034	<0.02

Date	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
NOV			
20...	<0.005	<0.002	<0.009
JAN			
30...	<0.005	<0.002	<0.009
MAR			
20...	<0.005	<0.002	<0.009
APR			
25...	<0.005	<0.002	<0.009
MAY			
15...	<0.005	<0.002	<0.009
JUN			
27...	<0.005	<0.002	<0.009
JUL			
22...	<0.005	<0.002	<0.009
SEP			
24...	<0.005	<0.002	<0.009

E Estimated value.
< Actual value is known to be less than the value shown.

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT
(Hydrologic bench mark station)

LOCATION.--Lat 40°46'48", long 111°48'19", in NE¼SE¼NW¼ sec. 35, T. 1 N., R. 1 E., Salt Lake County, Hydrologic Unit 16020204, on right bank 0.4 mi upstream from dam forming Red Butte Reservoir, and 1.7 mi northeast of Fort Douglas.

DRAINAGE AREA.--7.25 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1963 to current year. Figures of monthly discharge for January 1942 to September 1963, collected by Corps of Engineers, U.S. Army, available in files of Salt Lake City District Office, Geological Survey.

GAGE.--Water-stage recorder. Elevation of gage is 5,400 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 105 ft^3/s, May 28, 1983, maximum gage height, 3.81 ft, May 17, 1984; minimum, 0.17 ft^3/s, Nov 20, 1992, possible ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 11	1145	*3.2	*0.65				

Minimum daily discharge, 0.39 ft^3/s, Aug 21.

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	1.4	1.4	1.3	1.3	1.4	1.3	1.8	2.0	1.5	0.91	0.46	0.44
2	1.4	e1.2	1.4	e1.3	1.5	1.3	1.8	2.0	1.4	0.87	0.48	0.43
3	1.2	e1.1	1.4	1.3	1.4	1.3	1.9	2.0	1.4	0.86	0.50	0.42
4	1.2	e1.1	1.4	1.3	1.4	1.3	2.0	2.4	1.3	0.85	0.50	0.42
5	1.2	0.98	1.3	1.3	e1.3	1.3	1.9	2.2	1.3	0.84	0.47	0.42
6	1.2	0.99	1.3	1.2	e1.2	1.3	1.8	2.1	1.3	0.82	0.47	0.43
7	1.2	1.1	1.3	1.3	1.2	1.3	1.8	2.2	1.2	0.82	0.46	0.44
8	1.2	1.3	1.3	e1.3	1.1	1.3	1.9	2.4	1.2	0.78	0.46	0.42
9	1.2	1.3	e1.3	e1.3	1.3	1.4	2.0	2.4	1.2	0.75	0.45	0.49
10	1.2	1.3	e1.3	1.3	1.3	1.4	2.0	2.8	1.2	0.73	0.44	0.77
11	1.2	1.3	1.3	1.2	1.3	1.6	2.0	3.1	1.1	0.70	0.42	0.58
12	1.2	1.3	1.3	1.2	1.3	1.7	2.1	3.2	1.1	0.68	0.42	0.53
13	1.2	1.4	1.3	1.2	1.4	1.8	2.1	3.1	1.1	0.67	0.42	0.51
14	1.2	1.4	1.3	1.2	1.6	1.9	2.1	2.9	1.1	0.66	0.41	0.52
15	1.2	1.4	1.3	1.2	1.5	1.9	2.3	2.8	1.0	0.64	0.40	0.54
16	1.2	1.4	1.3	1.2	1.5	2.4	2.1	2.6	1.00	0.62	0.43	0.54
17	1.3	1.4	1.4	1.3	1.4	2.1	2.0	2.5	0.99	0.62	0.43	0.61
18	1.3	1.4	1.3	1.2	1.4	2.0	2.4	2.4	0.99	0.61	0.42	0.63
19	1.3	1.4	e1.3	1.3	1.3	1.8	2.3	2.4	0.98	0.58	0.41	0.61
20	1.3	1.4	e1.4	1.3	1.3	1.8	2.4	2.3	0.98	0.56	0.40	0.59
21	1.3	1.4	1.4	1.2	1.3	1.8	2.3	2.2	1.0	0.55	0.39	0.57
22	1.3	1.4	1.3	1.2	1.4	1.9	2.3	2.2	1.00	0.52	0.48	0.56
23	1.3	1.4	e1.4	1.2	1.4	1.9	2.3	2.1	1.4	0.52	0.48	0.55
24	1.3	1.4	e1.3	1.2	1.3	1.9	2.2	2.0	1.3	0.51	0.45	0.54
25	1.3	1.4	e1.4	1.2	1.4	1.9	2.2	2.0	1.2	0.55	0.44	0.53
26	1.3	1.3	1.4	1.2	1.3	2.0	2.2	1.9	1.1	0.59	0.43	0.53
27	1.3	e1.3	1.3	1.4	1.4	1.9	2.2	1.8	1.0	0.53	0.43	0.55
28	1.3	1.4	1.3	1.6	1.3	1.8	2.2	1.8	0.99	0.51	0.43	0.54
29	1.3	1.3	1.3	1.4	---	1.8	2.1	1.6	0.97	0.50	0.45	0.55
30	1.4	1.3	1.3	1.3	---	1.8	2.0	1.6	0.95	0.48	0.47	0.54
31	1.4	---	1.4	1.4	---	1.8	---	1.5	---	0.47	0.46	---
TOTAL	39.3	39.17	41.3	39.5	37.9	52.7	62.7	70.5	34.25	20.30	13.76	15.80
MEAN	1.27	1.31	1.33	1.27	1.35	1.70	2.09	2.27	1.14	0.65	0.44	0.53
MAX	1.4	1.4	1.4	1.6	1.6	2.4	2.4	3.2	1.5	0.91	0.50	0.77
MIN	1.2	0.98	1.3	1.2	1.1	1.3	1.8	1.5	0.95	0.47	0.39	0.42
AC-FT	78	78	82	78	75	105	124	140	68	40	27	31

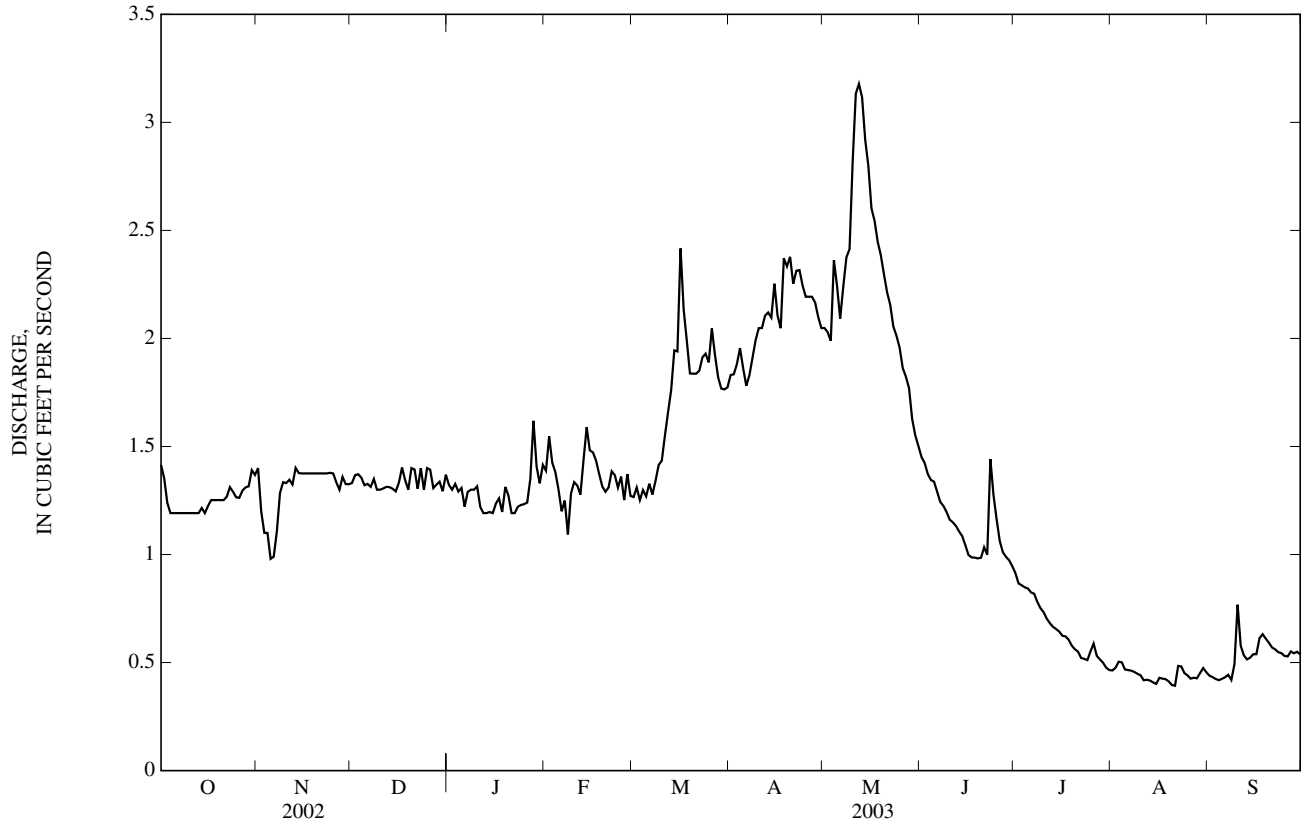
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	1.96	2.02	1.92	1.95	2.36	4.50	9.08	12.6	6.63	3.31	2.13	1.82
MAX	3.86	3.53	3.37	3.46	7.00	12.8	22.2	50.5	29.7	9.22	5.77	4.10
(WY)	(1984)	(1984)	(1984)	(1971)	(1986)	(1983)	(1986)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	0.68	0.93	0.91	0.83	1.00	1.06	1.79	1.55	0.95	0.60	0.44	0.47
(WY)	(1991)	(1991)	(1964)	(1964)	(1964)	(1964)	(1990)	(1990)	(1992)	(1990)	(1990)	(1990)

10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	1,009.19		467.18			
ANNUAL MEAN	2.76		1.28		4.20	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					1.12	1990
HIGHEST DAILY MEAN	10	Apr 27	3.2	May 12	95	May 28, 1983
LOWEST DAILY MEAN	0.82	Sep 5	0.39	Aug 21	0.38	Aug 9, 1990
ANNUAL SEVEN-DAY MINIMUM	0.84	Aug 30	0.41	Aug 15	0.39	Sep 10, 1990
ANNUAL RUNOFF (AC-FT)	2,000		927		3,040	
10 PERCENT EXCEEDS	7.8		2.1		9.6	
50 PERCENT EXCEEDS	1.5		1.3		2.4	
90 PERCENT EXCEEDS	1.0		0.48		1.1	

e Estimated



10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT—Continued
(National Water-Quality Assessment Program Station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 1964 to September 1995, October 1998 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1999 to September 2002.
WATER TEMPERATURE: April 1964 to September 1978, October 1998 to September 2002.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 777 microsiemens/cm, Dec 16, 2001; minimum, 372 microsiemens/cm, Feb 3, 2001.
WATER TEMPERATURE: Maximum 24.0°C, Jul 29, 31, Aug 1, 3, 4, 1969; minimum, 0.0°C, many days during winter period of most years.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)
NOV													
20...	1030	1.4	640	104	12.3	8.5	678	1.5	1.5	245	287	6	10.8
JAN													
22...	1310	1.2	635	108	12.3	8.5	668	8.5	2.3	234	280	4	9.99
MAR													
26...	1320	1.9	625	110	11.4	8.4	657	3.0	5.5	225	264	6	11.8
MAY													
08...	0850	2.4	622	108	11.3	8.4	645	5.5	5.0	229	274	3	11.0
JUL													
17...	1400	0.56	635	115	9.2	8.3	596	37.0	17.4	185	226	--	11.3
SEP													
18...	1300	0.65	635	95	9.6	8.3	675	13.0	7.0	221	264	3	11.7

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment load, tons/d (80155)	Suspended sediment concentration mg/L (80154)
NOV										
20...	116	<0.04	0.22	<0.06	<0.008	0.074	0.02	0.023	0.09	23
JAN										
22...	118	<0.04	0.12	<0.06	<0.008	--	E.02	0.021	0.04	11
MAR										
26...	122	<0.04	E.06	<0.06	<0.008	--	E.01	0.017	0.04	8
MAY										
08...	113	<0.04	0.14	<0.06	<0.008	--	E.02	0.040	0.30	46
JUL										
17...	113	<0.04	0.12	<0.06	<0.008	--	<0.02	0.015	0.01	4
SEP										
18...	124	--	E.06	<0.06	<0.008	--	<0.02	0.019	0.02	11

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)	Periphyton biomass ash weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass periphyton, ashfree drymass g/m2 (49954)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin a, periphyton, mg/m2 (62359)
JUL												
29...	1000	0.60	7.9	8.4	623	14.0	127	810	869.4	63.4	498	59

E Estimated value.
< Actual value is known to be less than the value shown.

10172700 VERNON CREEK NEAR VERNON, UT

LOCATION.--Lat 39°58'46", long 112°22'46", in NE¼SW¼SW¼ sec. 2, T. 10 S., R. 5 W., Tooele County, Hydrologic Unit 16020304, on right bank 6.6 mi upstream from confluence with Dutch Creek forming Faust Creek and 8.3 mi southeast of Vernon.

DRAINAGE AREA.--25.0 mi^2.

PERIOD OF RECORD.--June 1958 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 AMS topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 825 ft^3/s, Aug 27, 1972, gage height, 5.70 ft, based on slope-area measurement; minimum daily, 0.41 ft^3/s, Nov 20, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 10	1730	*14	*1.27				

Minimum daily discharge, 1.1 ft^3/s, Sep 6.

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	2.0	2.0	2.2	2.6	2.2	e2.2	2.0	2.0	1.7	e1.5	e1.5	1.3
2	2.1	e2.0	2.4	2.5	2.4	e2.3	2.0	2.0	1.7	e1.4	1.5	1.5
3	2.0	e2.1	2.3	2.5	2.2	e2.3	2.2	2.0	1.7	e1.4	1.5	1.3
4	1.8	2.1	2.2	2.5	2.1	e2.3	2.2	2.0	1.7	e1.4	1.6	1.2
5	1.8	2.0	2.2	2.5	2.0	e2.4	2.2	2.0	1.7	e1.5	1.5	1.2
6	1.8	2.0	2.2	2.5	2.0	e2.5	2.2	2.0	1.7	e1.5	1.5	1.1
7	1.8	2.0	2.3	2.3	e2.0	e2.7	2.1	2.0	1.7	e1.5	1.5	1.2
8	1.8	e2.1	2.2	2.2	e2.0	e3.0	2.0	2.0	1.6	e1.5	1.5	1.3
9	1.9	e2.2	2.2	2.2	e2.1	e4.4	1.9	2.0	1.5	e1.6	1.5	1.3
10	1.8	2.2	2.2	2.2	e2.1	5.3	1.8	1.8	1.5	e1.6	1.5	1.7
11	1.8	2.2	2.2	2.2	e2.2	5.1	1.8	1.7	1.5	e1.6	1.4	1.6
12	1.8	2.1	2.2	2.2	2.2	3.2	1.8	1.7	1.5	e1.6	1.5	1.4
13	1.8	2.0	2.2	2.2	2.3	2.7	1.8	1.8	1.5	e1.6	1.3	1.4
14	1.8	2.0	2.2	2.2	2.2	2.3	1.8	1.8	1.5	e1.5	1.3	1.4
15	2.0	2.0	2.2	2.2	e2.3	2.2	1.9	1.8	1.5	e1.5	1.3	1.3
16	1.8	2.0	2.2	2.2	e2.4	2.4	2.0	1.8	1.3	e1.5	1.3	1.5
17	1.8	2.1	2.2	2.2	e2.4	2.3	2.0	1.9	1.3	e1.5	1.4	1.7
18	1.8	2.1	2.2	2.2	e2.4	2.2	2.1	2.0	1.3	e1.5	1.4	1.8
19	1.9	2.0	e2.2	2.2	e2.3	2.2	2.2	2.0	1.3	e1.4	1.5	1.7
20	2.0	2.0	2.2	2.2	e2.3	2.2	2.0	2.0	1.3	e1.4	1.5	1.6
21	2.0	2.0	2.2	2.2	e2.4	2.2	2.0	1.9	1.3	e1.4	1.2	1.7
22	2.1	2.0	2.2	2.2	e2.4	2.2	2.2	1.8	1.3	e1.5	1.2	1.7
23	2.0	2.1	2.2	2.2	e2.3	2.2	2.2	1.8	1.8	e1.6	1.3	1.7
24	2.0	2.1	e2.3	2.2	e2.3	2.2	2.0	1.8	2.0	e1.5	1.3	1.7
25	2.0	2.0	2.4	2.2	e2.2	2.2	1.8	1.8	1.7	e1.5	1.3	1.6
26	2.0	2.1	e2.4	2.2	e2.1	2.1	2.0	1.8	1.5	e1.5	1.3	1.6
27	2.0	2.2	2.5	2.2	e2.1	2.2	2.0	1.7	1.5	e1.5	1.3	1.6
28	2.0	2.2	2.5	2.2	e2.2	2.2	2.0	1.7	1.5	e1.5	1.3	1.6
29	2.0	2.2	2.5	2.2	---	2.1	2.0	1.7	e1.5	e1.4	1.2	1.6
30	2.0	2.2	2.5	2.2	---	2.1	2.0	1.7	e1.5	e1.4	1.4	1.5
31	2.0	---	2.6	2.3	---	2.0	---	1.7	---	e1.5	1.3	---
TOTAL	59.4	62.3	70.7	70.3	62.1	79.9	60.2	57.7	46.1	46.3	43.1	44.8
MEAN	1.92	2.08	2.28	2.27	2.22	2.58	2.01	1.86	1.54	1.49	1.39	1.49
MAX	2.1	2.2	2.6	2.6	2.4	5.3	2.2	2.0	2.0	1.6	1.6	1.8
MIN	1.8	2.0	2.2	2.2	2.0	2.0	1.8	1.7	1.3	1.4	1.2	1.1
AC-FT	118	124	140	139	123	158	119	114	91	92	85	89

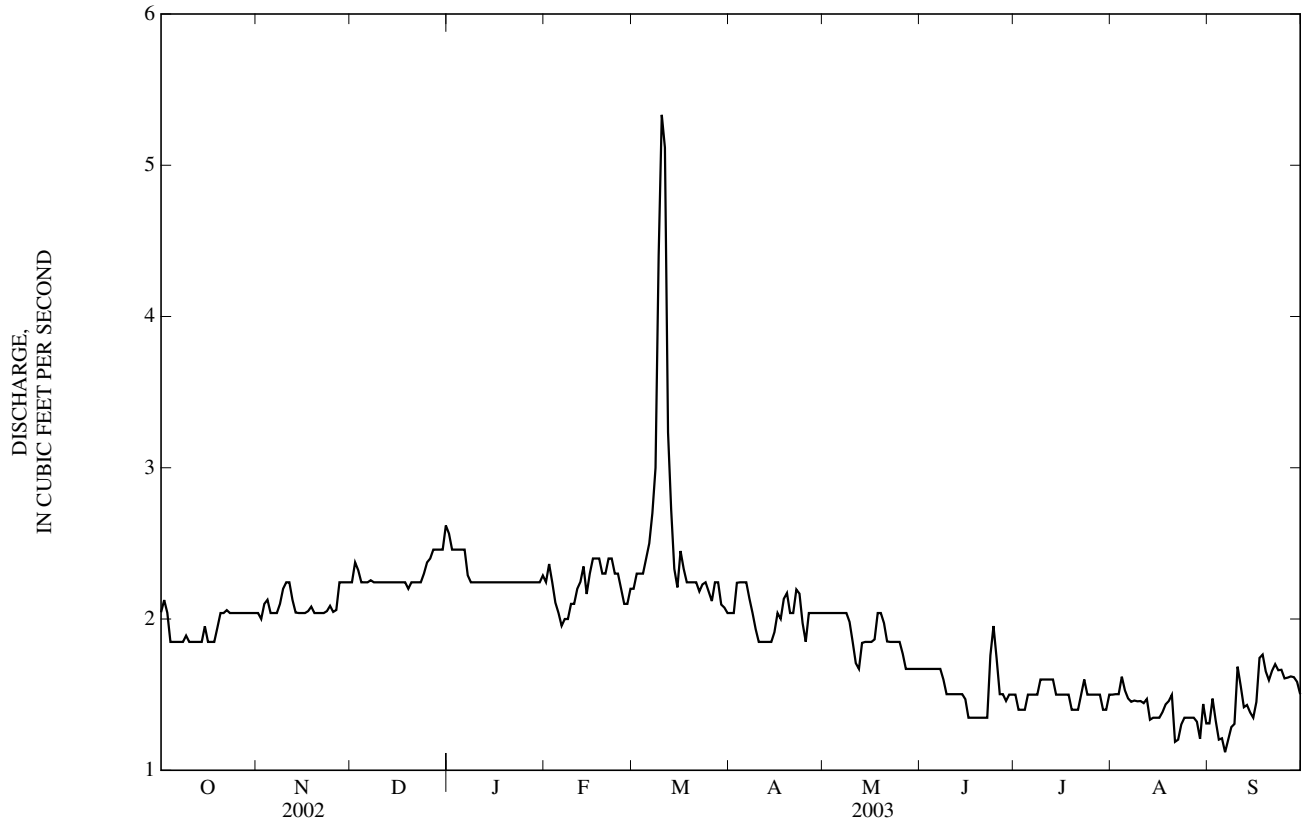
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959 - 2003, BY WATER YEAR (WY)

MEAN	3.09	3.04	2.91	2.88	2.95	3.41	5.56	6.54	4.19	3.35	3.07	3.02
MAX	9.08	8.89	7.93	7.92	7.65	9.30	21.6	40.0	19.3	12.3	10.1	9.61
(WY)	(1984)	(1985)	(1985)	(1985)	(1985)	(1985)	(1983)	(1983)	(1983)	(1983)	(1983)	(1983)
MIN	1.06	1.20	1.23	1.08	1.32	1.42	1.42	1.20	1.20	1.05	1.01	1.11
(WY)	(1960)	(1960)	(1960)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)	(1959)

10172700 VERNON CREEK NEAR VERNON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1959 - 2003	
ANNUAL TOTAL	787.4		702.9			
ANNUAL MEAN	2.16		1.93		3.67	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					1.26	1961
HIGHEST DAILY MEAN	6.1	Sep 6	5.3	Mar 10	70	Apr 24, 1983
LOWEST DAILY MEAN	1.6	Aug 29	1.1	Sep 6	0.84	Dec 18, 1967
ANNUAL SEVEN-DAY MINIMUM	1.6	Aug 29	1.2	Sep 3	0.93	Jul 21, 1961
ANNUAL RUNOFF (AC-FT)	1,560		1,390		2,660	
10 PERCENT EXCEEDS	2.6		2.3		7.1	
50 PERCENT EXCEEDS	2.1		2.0		2.5	
90 PERCENT EXCEEDS	1.8		1.4		1.5	

e Estimated



10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT

LOCATION.--Lat 40°29'47", long 112°34'25", in SW¼NW¼SW¼ sec. 6, T. 4 S., R. 6 W., Tooele County, Hydrologic Unit 16020304, on right bank 200 ft upstream from Forest Service Guard Station, 1.7 mi above Wasatch National Forest boundary, 9.2 mi southwest of Grantsville, and 14.8 mi west of Tooele.

DRAINAGE AREA.--4.19 mi^2. Area at crest-stage gage site, 3.26 mi^2.

PERIOD OF RECORD.--July 1963 to current year. Annual maximum only, July 1960 to July 1963, at crest-stage gage site.

REVISED RECORDS.--WDR UT-83-1: 1982.

GAGE.--Water-stage recorder and concrete control. Elevation of gage is 6,360 ft above NGVD of 1929, from topographic map. Prior to July 23, 1963, crest-stage gage only, at site 1.4 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 118 ft^3/s, July 24, 1998, gage height, 2.45 ft, from rating extended above 75 ft^3/s by slope-conveyance methods; minimum daily discharge, 1.4 ft^3/s, Jan 5, 1993, Jan 31, Feb 1, 2, 3, Mar 16, 18, 19, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 26	0245	*26	*1.55				

Minimum daily discharge, 1.6 ft^3/s, Mar 5, 8, 9, 10, 12.

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	2.1	1.8	1.8	1.8	1.8	1.8	2.3	5.5	20	4.7	2.8	1.8
2	2.0	1.8	1.8	1.8	1.9	1.8	2.3	5.5	24	4.3	2.8	1.8
3	2.0	1.8	1.8	1.8	1.8	1.7	2.3	5.6	24	4.0	2.8	1.8
4	2.0	1.8	1.8	1.8	1.8	1.7	2.3	5.5	20	4.0	2.5	1.8
5	2.0	1.8	1.8	1.8	1.8	1.6	2.6	5.1	16	3.8	2.3	1.8
6	2.0	1.8	1.8	1.8	1.8	1.8	2.6	5.0	14	3.6	2.3	1.8
7	2.0	1.8	1.8	1.8	1.8	1.7	2.6	5.1	13	3.4	2.3	1.8
8	2.0	2.2	1.8	1.8	1.8	1.6	2.6	5.0	13	3.2	2.4	1.9
9	2.0	2.1	1.8	1.8	1.8	1.6	2.6	5.0	12	3.2	2.3	2.1
10	2.0	2.0	1.8	1.8	1.8	1.6	2.6	5.1	11	3.2	2.2	2.0
11	2.0	2.0	1.8	1.8	1.8	1.7	2.6	5.5	11	3.1	2.2	2.0
12	2.0	1.9	1.8	1.8	1.8	1.6	2.7	6.0	11	3.2	2.3	2.0
13	2.0	1.8	1.8	1.8	1.8	1.7	3.0	6.8	e10	3.4	2.2	2.0
14	2.0	1.8	1.8	1.8	1.9	1.8	3.4	9.7	9.5	3.2	2.2	2.0
15	2.0	1.8	1.8	1.8	1.8	1.9	4.5	12	9.4	3.1	2.2	2.0
16	2.0	1.8	1.8	1.8	1.8	2.1	4.5	12	8.7	3.1	2.4	2.0
17	2.0	1.8	1.8	1.8	1.8	2.0	4.6	13	8.2	3.0	2.2	2.0
18	2.0	1.8	1.8	1.8	1.8	2.0	4.7	14	7.8	2.9	2.0	1.9
19	2.0	1.8	1.8	1.8	1.8	1.8	4.3	16	7.2	2.9	2.0	1.8
20	2.0	1.8	1.8	1.8	1.8	1.8	3.6	15	6.9	2.9	2.1	1.8
21	2.0	1.8	1.8	1.8	1.8	1.8	3.6	15	6.7	2.9	2.3	2.0
22	2.0	1.8	1.8	1.8	1.8	1.8	3.6	16	6.7	2.7	2.3	1.8
23	1.9	1.8	1.8	1.8	1.8	1.9	3.6	15	6.7	2.7	2.2	1.9
24	1.8	1.8	1.8	1.8	1.8	2.0	3.6	16	6.7	2.9	2.0	2.0
25	1.8	1.8	1.8	1.8	1.8	2.0	4.4	19	6.7	2.9	2.0	2.0
26	1.9	1.8	1.8	1.8	1.8	2.2	4.7	25	6.4	2.9	2.0	2.0
27	1.8	1.8	1.8	1.9	1.7	2.3	5.0	23	5.8	2.9	2.0	2.0
28	1.8	1.8	1.8	1.9	1.7	2.3	5.4	22	5.5	2.9	1.8	2.0
29	1.8	1.8	1.8	1.8	---	2.3	5.5	22	5.2	2.9	1.9	2.0
30	1.8	1.8	1.8	1.8	---	2.3	5.5	21	5.0	2.8	1.8	2.0
31	1.8	---	1.8	1.8	---	2.3	---	20	---	2.8	1.8	---
TOTAL	60.5	55.2	55.8	56.0	50.4	58.5	107.6	376.4	318.1	99.5	68.6	57.8
MEAN	1.95	1.84	1.80	1.81	1.80	1.89	3.59	12.1	10.6	3.21	2.21	1.93
MAX	2.1	2.2	1.8	1.9	1.9	2.3	5.5	25	24	4.7	2.8	2.1
MIN	1.8	1.8	1.8	1.8	1.7	1.6	2.3	5.0	5.0	2.7	1.8	1.8
AC-FT	120	109	111	111	100	116	213	747	631	197	136	115

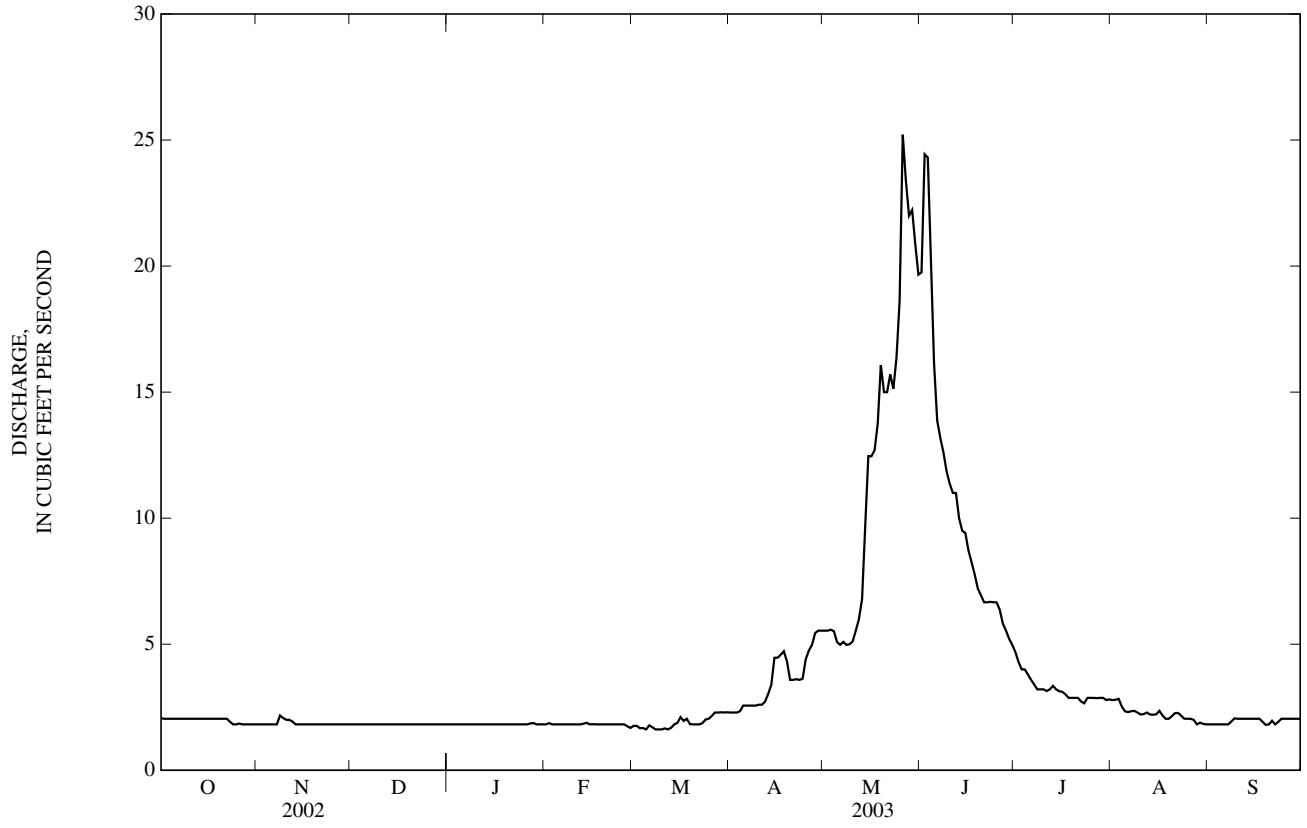
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	3.61	3.35	2.99	2.91	2.90	3.59	6.34	16.0	19.2	9.45	5.09	4.06
MAX	7.59	6.57	5.79	5.61	5.84	7.13	12.0	40.0	46.0	24.6	12.6	9.54
(WY)	(1984)	(1985)	(1985)	(1984)	(1984)	(1986)	(1986)	(1984)	(1984)	(1984)	(1984)	(1982)
MIN	1.71	1.70	1.64	1.50	1.54	1.53	2.42	4.38	4.00	2.55	1.91	1.71
(WY)	(1991)	(1991)	(1991)	(1991)	(1991)	(1991)	(1967)	(1977)	(1992)	(1992)	(1992)	(1992)

10172800 SOUTH WILLOW CREEK NEAR GRANTSVILLE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	1,387.5		1,364.4			
ANNUAL MEAN	3.80		3.74		6.64	
HIGHEST ANNUAL MEAN					14.9	1984
LOWEST ANNUAL MEAN					3.03	1977
HIGHEST DAILY MEAN	26	Jun 3	25	May 26	84	Jun 1, 1984
LOWEST DAILY MEAN	1.4	Jan 31	1.6	Mar 5	1.4	Jan 5, 1993
ANNUAL SEVEN-DAY MINIMUM	1.5	Jan 29	1.6	Mar 7	1.5	Jan 29, 2002
ANNUAL RUNOFF (AC-FT)	2,750		2,710		4,810	
10 PERCENT EXCEEDS	9.1		7.4		15	
50 PERCENT EXCEEDS	2.0		2.0		3.8	
90 PERCENT EXCEEDS	1.6		1.8		2.1	

e Estimated



10172870 TROUT CREEK NEAR CALLAO, UT

LOCATION.--Lat 39°44'39", long 113°53'21", in SW¼NW¼SW¼ 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 mi^2.

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 ft^3/s, Jun 2, 1983, gage height, 2.84 ft, maximum gage height, 3.00 ft, May 15, 1973; minimum, 0.24 ft^3/s, Feb 25, 1969.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	0915	*75	*4.44				

Minimum daily discharge, 0.80 ft^3/s, Feb 7, 8.

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	1.7	e1.7	e1.4	1.2	1.1	1.2	1.8	3.9	33	3.4	1.6	1.2
2	1.6	e1.8	1.4	1.1	1.2	e1.1	1.9	3.7	27	3.3	1.6	1.2
3	1.5	1.8	1.4	1.3	e1.1	e1.1	1.8	3.6	23	3.1	1.8	1.1
4	1.5	1.8	1.4	1.3	e1.0	1.1	1.7	3.7	21	3.0	1.7	1.1
5	1.5	1.5	1.4	1.3	e0.90	e1.1	1.7	3.6	17	2.9	1.6	1.2
6	1.5	1.4	1.4	1.2	e0.90	1.1	1.7	3.5	14	2.8	1.5	1.2
7	1.5	1.5	e1.4	1.2	e0.80	1.1	1.7	3.9	13	2.7	1.4	1.1
8	1.5	1.9	e1.3	1.5	e0.80	1.1	1.7	4.0	12	2.6	1.4	1.1
9	1.4	2.0	e1.4	1.2	e0.82	1.1	2.0	3.8	11	2.6	1.4	1.2
10	1.4	1.7	e1.6	1.3	e0.92	1.1	2.3	3.7	10	2.5	1.4	1.4
11	1.3	1.6	e1.8	1.2	e1.0	1.2	2.7	3.7	9.4	2.4	1.3	1.2
12	1.3	1.6	1.3	1.2	1.1	1.2	3.0	4.1	8.8	2.3	1.3	1.1
13	1.3	1.6	1.3	1.2	1.3	1.2	3.3	5.0	e8.2	2.3	1.3	1.2
14	1.3	1.6	1.4	1.2	1.1	1.3	3.3	6.8	7.6	2.2	1.3	1.2
15	1.3	1.5	1.3	1.2	1.1	1.3	3.6	8.2	7.1	2.1	1.3	1.1
16	1.4	1.5	1.3	1.2	1.1	1.4	3.2	7.6	6.6	2.1	1.5	1.1
17	1.4	1.5	1.3	1.2	1.1	1.2	3.1	11	6.3	2.1	1.4	1.2
18	1.4	1.5	e1.3	1.3	1.1	1.2	3.0	11	6.0	2.0	1.3	1.2
19	1.4	1.5	e1.3	1.5	1.2	1.1	2.8	11	5.7	2.1	1.2	1.2
20	1.4	1.5	e1.3	1.2	1.0	1.1	2.7	11	5.5	2.1	1.2	1.1
21	1.6	1.5	e1.3	1.2	e1.1	1.1	2.8	13	5.4	2.0	1.1	1.1
22	1.6	1.5	e1.2	1.1	1.1	1.1	2.9	16	5.2	1.9	1.4	1.1
23	1.6	1.5	e1.2	1.1	1.3	1.2	3.4	20	5.2	1.8	1.3	1.1
24	1.6	1.5	e1.1	1.1	e1.0	1.2	3.8	26	5.1	1.8	1.2	1.1
25	1.6	1.5	e1.0	1.1	e1.1	1.2	4.1	32	4.8	2.0	1.2	1.2
26	1.6	e1.5	e1.0	1.1	e1.1	1.3	4.7	41	4.4	1.9	1.1	1.2
27	1.6	e1.4	e1.1	1.1	e1.0	1.3	4.6	49	4.2	1.8	1.1	1.2
28	1.5	e1.4	e1.2	1.2	e1.2	1.5	4.4	54	4.0	1.7	1.1	1.2
29	1.5	e1.4	1.2	1.1	---	1.9	4.5	53	3.8	1.7	1.3	1.2
30	1.5	e1.4	1.2	1.1	---	1.4	4.2	45	3.6	1.6	1.3	1.2
31	1.7	---	1.2	1.1	---	1.6	---	43	---	1.6	1.1	---
TOTAL	46.0	47.1	40.4	37.3	29.54	38.1	88.4	508.8	297.9	70.4	41.7	35.0
MEAN	1.48	1.57	1.30	1.20	1.05	1.23	2.95	16.4	9.93	2.27	1.35	1.17
MAX	1.7	2.0	1.8	1.5	1.3	1.9	4.7	54	33	3.4	1.8	1.4
MIN	1.3	1.4	1.0	1.1	0.80	1.1	1.7	3.5	3.6	1.6	1.1	1.1
AC-FT	91	93	80	74	59	76	175	1,010	591	140	83	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1959-95, 2003, BY WATER YEAR (WY)

MEAN	2.15	2.04	1.74	1.63	1.67	2.14	4.99	17.7	21.8	5.94	2.60	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	1.26	1.04	0.96	1.02	1.09	1.34	3.44	3.66	1.49	0.98	0.91
(WY)	(1993)	(1991)	(1991)	(1960)	(1960)	(1991)	(1991)	(1989)	(1959)	(1959)	(1959)	(1994)

10172870 TROUT CREEK NEAR CALLAO, UT—Continued

SUMMARY STATISTICS	2003 WATER YEAR		WATER YEARS 1959-95, 2003	
ANNUAL TOTAL	1280.64			
ANNUAL MEAN	3.51		5.64	
HIGHEST ANNUAL MEAN			16.3	1983
LOWEST ANNUAL MEAN			2.07	1989
HIGHEST DAILY MEAN	54	May 28	156	Jun 1, 1983
LOWEST DAILY MEAN	0.80	Feb 7	0.52	Feb 9, 1993
ANNUAL SEVEN-DAY MINIMUM	0.88	Feb 4	0.80	Sep 22, 1994
ANNUAL RUNOFF (AC-FT)	2540		4,090	
10 PERCENT EXCEEDS	5.8		13	
50 PERCENT EXCEEDS	1.4		2.1	
90 PERCENT EXCEEDS	1.1		1.3	

e Estimated

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	1.5	1.2
2	---	---	---	---	---	---	---	---	---	---	1.6	1.2
3	---	---	---	---	---	---	---	---	---	---	1.7	1.2
4	---	---	---	---	---	---	---	---	---	---	1.6	1.2
5	---	---	---	---	---	---	---	---	---	---	1.5	1.2
6	---	---	---	---	---	---	---	---	---	---	1.6	1.7
7	---	---	---	---	---	---	---	---	---	---	1.6	1.9
8	---	---	---	---	---	---	---	---	---	---	1.6	2.2
9	---	---	---	---	---	---	---	---	---	---	1.5	1.9
10	---	---	---	---	---	---	---	---	---	---	1.5	1.7
11	---	---	---	---	---	---	---	---	---	---	1.4	1.7
12	---	---	---	---	---	---	---	---	---	---	1.3	1.7
13	---	---	---	---	---	---	---	---	---	---	1.3	1.6
14	---	---	---	---	---	---	---	---	---	---	1.3	1.5
15	---	---	---	---	---	---	---	---	---	---	1.2	1.4
16	---	---	---	---	---	---	---	---	---	---	1.2	1.6
17	---	---	---	---	---	---	---	---	---	---	1.2	1.6
18	---	---	---	---	---	---	---	---	---	---	1.2	2.0
19	---	---	---	---	---	---	---	---	---	---	1.2	1.8
20	---	---	---	---	---	---	---	---	---	---	1.3	1.7
21	---	---	---	---	---	---	---	---	---	---	e1.3	1.6
22	---	---	---	---	---	---	---	---	---	---	e1.3	1.6
23	---	---	---	---	---	---	---	---	---	---	e1.2	1.6
24	---	---	---	---	---	---	---	---	---	---	e1.2	1.6
25	---	---	---	---	---	---	---	---	---	---	1.2	1.6
26	---	---	---	---	---	---	---	---	---	---	1.2	1.7
27	---	---	---	---	---	---	---	---	---	---	1.3	1.7
28	---	---	---	---	---	---	---	---	---	---	1.3	1.8
29	---	---	---	---	---	---	---	---	---	---	1.2	1.8
30	---	---	---	---	---	---	---	---	---	1.6	1.2	1.8
31	---	---	---	---	---	---	---	---	---	1.5	1.2	---
TOTAL	---	---	---	---	---	---	---	---	---	---	41.9	48.8
MEAN	---	---	---	---	---	---	---	---	---	---	1.35	1.63
MAX	---	---	---	---	---	---	---	---	---	---	1.7	2.2
MIN	---	---	---	---	---	---	---	---	---	---	1.2	1.2
AC-FT	---	---	---	---	---	---	---	---	---	---	83	97

e Estimated

10172952 DUNN CREEK NEAR PARK VALLEY, UT

LOCATION.--Lat 41°51'31", long 113°19'35", in NW¼NW¼NW¼ sec. 15, T. 13 N., R. 13 W., Box Elder County, Hydrologic Unit 16020308, on right bank 150 ft upstream from diversion structure, 200 ft downstream from confluence of left hand and right hand forks, and 2.9 mi north of Park Valley.

DRAINAGE AREA.--8.72 mi^2.

PERIOD OF RECORD.--May 1971 to September 1973, October 1976 to current year.

REVISED RECORDS.--WDR UT-99-1: 1998, daily values.

GAGE.--Water-stage recorder. Elevation of gage is 6,250 ft above NGVD of 1929, from topographic map. Prior to August 26, 1982 at site 110 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversion for flood-flows, located approximately 300 ft upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 150 ft^3/s, May 28, 1983; minimum discharge, 0.14 ft^3/s, Mar 17, 1981.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 34 ft^3/s, May 26, gage height, 2.33 ft; minimum daily discharge, 0.47 ft^3/s, Sep 26.

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	0.81	0.88	0.95	0.93	1.1	0.83	0.95	1.4	13	3.7	0.94	0.61
2	1.1	0.94	0.92	0.90	1.0	0.85	0.89	1.4	11	3.5	0.91	0.65
3	1.0	0.96	0.93	0.99	1.0	0.83	0.85	1.5	9.9	3.4	1.0	0.56
4	1.1	0.97	0.94	0.96	0.98	0.83	0.83	1.6	9.0	3.2	1.0	0.53
5	1.0	0.96	0.91	0.87	e0.93	0.81	0.84	1.5	8.4	3.1	0.90	0.62
6	0.95	0.96	0.93	0.96	e0.86	0.87	0.86	1.5	8.2	2.9	0.82	0.73
7	0.95	0.95	0.92	1.0	e0.80	0.83	0.91	1.5	7.7	2.8	0.77	0.63
8	0.93	1.5	0.91	e0.94	e0.71	0.87	0.91	1.7	7.4	2.7	0.74	0.59
9	0.91	1.3	0.98	e0.92	0.78	0.88	0.92	2.0	7.1	2.6	0.71	0.60
10	0.90	1.1	0.93	e0.90	0.88	0.92	0.86	2.3	6.8	2.4	0.67	0.64
11	0.89	1.1	0.88	e1.0	0.85	0.99	0.83	2.3	6.5	2.2	0.62	0.61
12	0.89	1.1	0.89	0.97	0.88	1.0	0.83	2.2	6.2	2.1	0.60	0.58
13	0.89	1.1	0.90	1.0	1.1	1.0	0.88	2.0	6.2	1.9	0.59	0.58
14	0.89	1.1	0.89	1.1	0.87	1.0	0.96	1.9	6.3	1.9	0.58	0.57
15	0.89	1.0	0.89	e1.0	0.82	1.0	1.1	1.9	6.2	1.8	0.56	0.56
16	0.89	0.99	0.80	e0.92	0.83	1.1	1.1	2.2	6.2	1.7	0.66	0.54
17	0.89	0.94	0.98	e0.94	0.86	0.93	1.1	4.6	6.1	1.6	0.60	0.60
18	0.89	1.0	0.91	e0.94	0.84	0.92	1.2	5.3	6.0	e1.6	0.58	0.61
19	0.89	0.94	e0.82	e0.92	0.84	0.97	1.2	5.2	6.0	e1.6	0.57	0.60
20	0.89	0.97	e0.83	e0.94	0.85	0.95	1.1	5.5	6.5	e1.6	0.55	0.58
21	0.89	1.0	e0.83	e0.96	0.87	0.91	1.2	6.7	6.5	e1.5	0.60	0.57
22	0.97	1.0	e0.82	e0.99	0.95	0.93	1.5	8.6	6.0	e1.3	0.83	0.55
23	1.2	1.0	e0.80	1.2	0.86	0.95	1.8	12	6.1	e1.3	0.78	0.54
24	1.1	0.98	e0.80	1.1	0.90	0.91	1.6	16	5.7	e1.3	0.64	0.52
25	0.99	1.3	e0.78	1.1	0.90	0.87	1.4	20	5.3	e1.3	0.58	0.51
26	0.95	1.0	e0.78	0.97	0.88	1.1	1.4	29	4.9	e1.4	0.57	0.47
27	0.95	0.97	e0.80	1.0	0.87	0.99	1.3	24	4.6	e1.3	0.61	0.49
28	0.95	0.95	e0.82	1.1	0.86	1.0	1.3	20	4.3	e1.2	0.58	0.48
29	1.0	0.90	e0.84	1.0	---	1.0	1.5	19	4.0	e1.1	0.70	0.48
30	1.1	0.91	e0.87	1.1	---	0.98	1.5	15	3.9	e0.90	0.67	0.48
31	0.94	---	0.88	1.2	---	0.95	---	16	---	0.92	0.62	---
TOTAL	29.59	30.77	27.13	30.82	24.87	28.97	33.62	235.8	202.0	61.82	21.55	17.08
MEAN	0.95	1.03	0.88	0.99	0.89	0.93	1.12	7.61	6.73	1.99	0.70	0.57
MAX	1.2	1.5	0.98	1.2	1.1	1.1	1.8	29	13	3.7	1.0	0.73
MIN	0.81	0.88	0.78	0.87	0.71	0.81	0.83	1.4	3.9	0.90	0.55	0.47
AC-FT	59	61	54	61	49	57	67	468	401	123	43	34

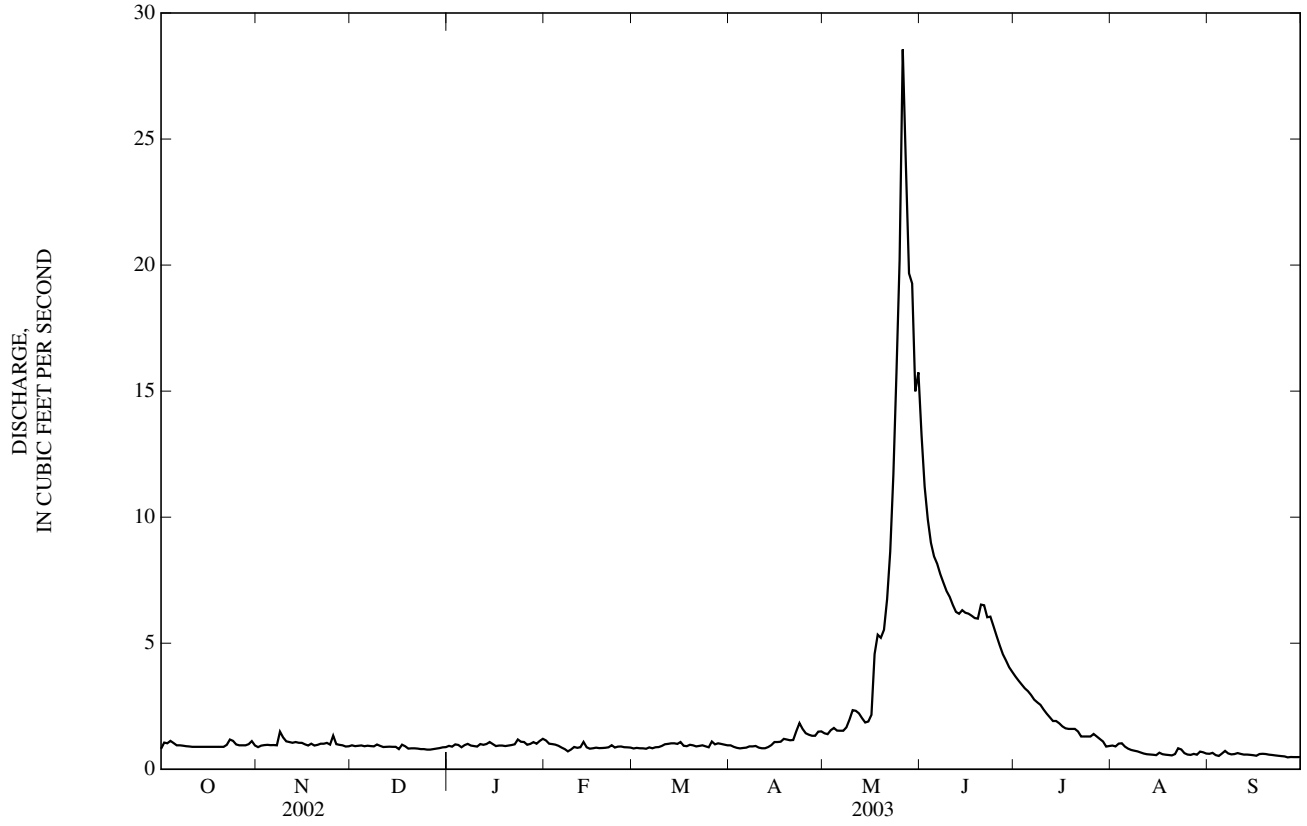
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972-73, 1977-2003, BY WATER YEAR (WY)

MEAN	1.83	1.56	1.31	1.25	1.35	2.39	5.19	18.1	18.7	6.85	3.17	2.02
MAX	3.64	2.45	2.09	2.04	2.82	6.33	16.4	38.1	57.3	17.9	8.45	4.58
(WY)	(1985)	(1983)	(1983)	(1980)	(1986)	(1986)	(1986)	(1997)	(1983)	(1983)	(1984)	(1984)
MIN	0.77	0.75	0.64	0.59	0.62	0.85	1.12	3.40	3.13	1.25	0.62	0.57
(WY)	(1993)	(1995)	(1995)	(1995)	(1995)	(1977)	(2003)	(1977)	(1992)	(1994)	(2001)	(2003)

10172952 DUNN CREEK NEAR PARK VALLEY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1972-73, 1977-2003	
ANNUAL TOTAL	1,266.03		744.02			
ANNUAL MEAN	3.47		2.04		5.32	
HIGHEST ANNUAL MEAN					12.0	1983
LOWEST ANNUAL MEAN					2.00	1994
HIGHEST DAILY MEAN	39	May 20	29	May 26	150	May 28, 1983
LOWEST DAILY MEAN	0.64	Sep 25	0.47	Sep 26	0.32	Feb 15, 1995
ANNUAL SEVEN-DAY MINIMUM	0.69	Sep 24	0.49	Sep 24	0.42	Jan 19, 1995
ANNUAL RUNOFF (AC-FT)	2,510		1,480		3,860	
10 PERCENT EXCEEDS	8.3		5.4		13	
50 PERCENT EXCEEDS	1.0		0.95		2.0	
90 PERCENT EXCEEDS	0.83		0.61		0.92	

e Estimated



10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT

LOCATION.--Lat 37°37'22", long 112°30'58", in SW¼SE¼NW¼ sec. 3, T. 37 S., R. 6 W., Garfield County, Hydrologic Unit 16030001, on left bank 0.5 mi upstream from West Hatch ditch diversion, 2 mi upstream from Spring Hollow, 4.5 mi upstream from mouth, and 5 mi southwest of Hatch.

DRAINAGE AREA.--105 mi^2.

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,300 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. One small diversion for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 ft^3/s, Jun 19, 1983, gage height, 5.13 ft, from rating curve extended above 640 ft^3/s; minimum daily, 0.40 ft^3/s, Nov 29, Dec 4, 5, 8, 22, 23, 24, and 25, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	0115	*332	*3.54	No other peak greater than base discharge.			

Minimum daily discharge, 0.40 ft^3/s, on Nov 29, Dec 4, 5, 8, 22, 23, 24, and 25.

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	5.1	4.4	e0.80	e0.60	e1.4	e1.4	1.7	22	142	15	8.5	5.0
2	5.2	e4.0	e0.70	e0.70	1.6	e1.0	2.1	21	129	14	8.6	5.1
3	5.2	e3.0	e0.50	e0.90	e1.4	e1.0	2.6	21	115	14	7.9	5.2
4	4.7	e3.0	e0.40	e1.2	e1.2	e1.4	e2.2	26	101	14	7.4	5.1
5	4.2	e3.5	e0.40	e1.0	e1.2	e1.2	2.5	23	86	13	7.8	4.9
6	3.7	e3.5	e0.50	e0.90	e1.0	e1.6	e2.0	20	75	12	7.9	5.2
7	3.9	e4.0	e0.50	e0.90	e0.70	e1.8	2.2	21	66	12	7.7	5.1
8	4.6	4.0	e0.40	e1.0	e0.70	e2.0	1.9	22	62	12	7.5	5.0
9	5.4	4.7	e0.50	e1.2	e0.80	3.0	1.6	20	57	12	7.3	5.1
10	5.1	4.7	e0.60	e1.2	e0.90	4.9	1.5	17	52	11	7.7	5.3
11	4.8	4.5	e0.50	e1.2	e0.90	5.4	1.7	15	48	9.9	7.1	5.4
12	4.8	e4.0	e0.60	e1.0	e1.0	4.1	2.1	16	43	9.5	6.8	4.9
13	4.4	4.1	e0.70	e1.4	e1.0	3.9	4.9	23	40	9.2	6.8	4.5
14	4.1	4.0	e0.80	e1.6	e1.2	3.7	8.9	32	37	9.0	6.6	4.5
15	4.0	e3.5	e1.0	e1.0	e0.90	3.2	10	42	34	8.9	7.4	4.3
16	3.9	e3.0	e1.0	e1.0	e1.0	3.6	8.0	63	31	8.9	12	4.0
17	4.1	e3.0	e1.0	e1.2	e1.6	e2.8	5.7	115	29	9.7	12	4.0
18	4.2	e2.5	e0.90	e1.2	e1.4	e2.6	4.9	144	28	11	8.6	4.4
19	4.2	e2.0	e0.80	e1.0	e1.2	e2.6	4.3	187	27	10	7.8	4.4
20	4.0	e2.0	e0.90	e0.90	1.6	e2.6	3.7	200	26	11	7.4	4.2
21	3.9	e2.5	e0.50	e0.80	e1.2	2.6	3.3	209	25	12	6.8	4.0
22	4.3	e2.5	e0.40	e0.80	e1.2	2.4	4.3	235	25	13	6.2	3.9
23	4.1	e2.5	e0.40	e0.80	e1.4	2.3	4.1	235	25	11	6.6	3.8
24	4.0	e2.5	e0.40	e0.90	e1.8	2.3	3.4	221	25	9.6	6.4	3.7
25	4.1	e2.0	e0.40	e1.0	e2.0	2.3	2.9	249	25	9.0	6.3	3.6
26	4.3	e1.0	e0.50	e1.0	e2.2	2.1	5.7	252	23	8.7	6.2	3.5
27	4.9	e0.70	e0.50	e0.90	e2.0	2.1	11	250	21	8.4	5.8	3.4
28	4.7	e0.50	e0.50	e0.90	e1.8	e1.8	16	246	19	8.5	5.5	3.3
29	4.6	e0.40	e0.60	e1.0	---	e1.6	20	209	16	9.2	5.5	3.2
30	4.5	e0.50	e0.60	e1.0	---	e1.6	22	189	15	9.2	5.4	3.1
31	4.5	---	e0.60	e1.2	---	1.7	---	166	---	9.1	5.0	---
TOTAL	137.5	86.50	18.90	31.40	36.30	76.6	167.2	3,511	1,447	333.8	226.5	131.1
MEAN	4.44	2.88	0.61	1.01	1.30	2.47	5.57	113	48.2	10.8	7.31	4.37
MAX	5.4	4.7	1.0	1.6	2.2	5.4	22	252	142	15	12	5.4
MIN	3.7	0.40	0.40	0.60	0.70	1.0	1.5	15	15	8.4	5.0	3.1
AC-FT	273	172	37	62	72	152	332	6,960	2,870	662	449	260

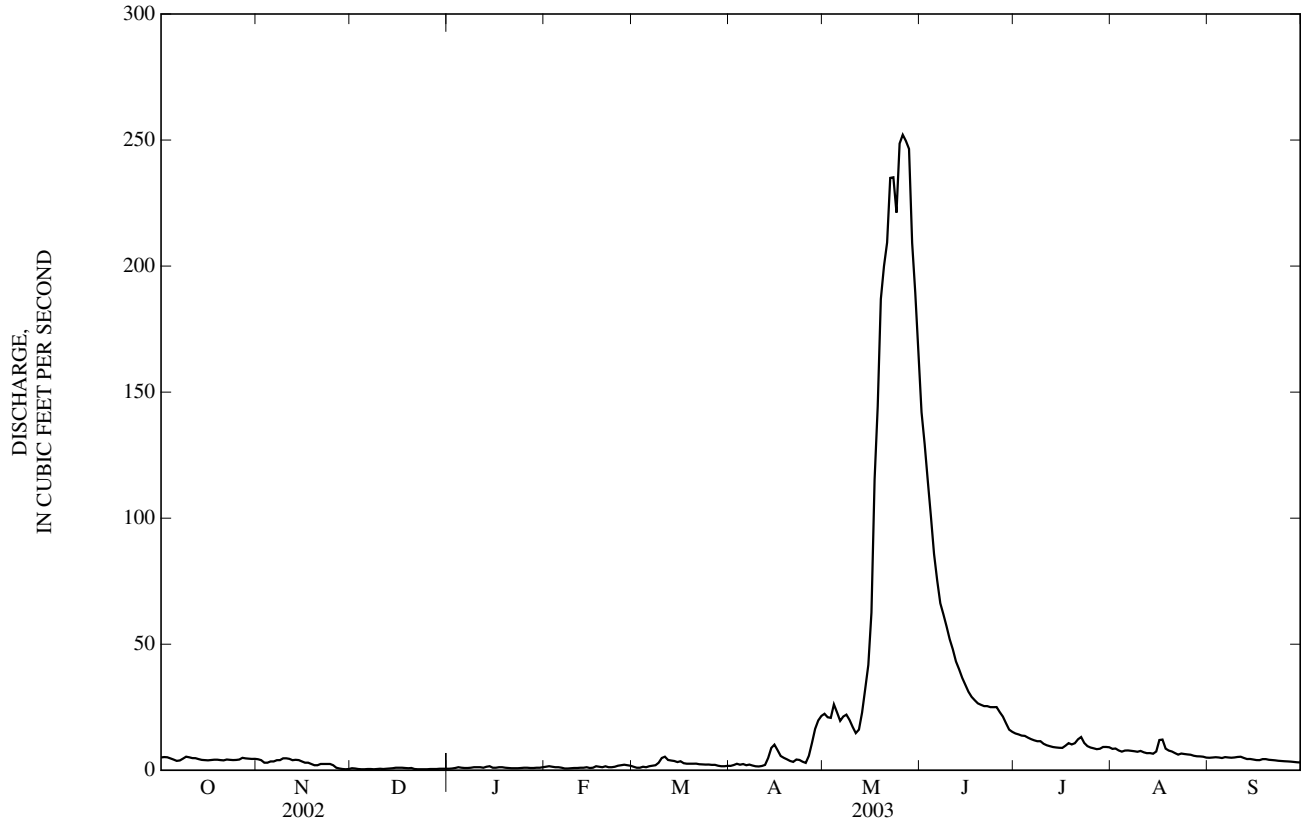
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	20.5	17.0	13.3	11.3	11.1	12.6	28.1	171	163	56.8	31.5	24.5
MAX	56.8	44.5	34.9	24.2	23.0	24.7	75.4	373	616	284	105	65.1
(WY)	(1984)	(1984)	(1984)	(1984)	(1973)	(1973)	(1985)	(1969)	(1983)	(1983)	(1983)	(1983)
MIN	4.35	2.88	0.61	1.01	1.30	2.47	5.57	9.69	5.17	2.97	1.46	2.62
(WY)	(1978)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(1977)	(2002)	(2002)	(2002)	(2002)

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	2,200.90		6,203.80			
ANNUAL MEAN	6.03		17.0		46.9	
HIGHEST ANNUAL MEAN					112	1983
LOWEST ANNUAL MEAN					8.11	2002
HIGHEST DAILY MEAN	30	Apr 15	252	May 26	720	Jun 19, 1983
LOWEST DAILY MEAN	0.40	Nov 29	0.40	Nov 29	0.40	Nov 29, 2002
ANNUAL SEVEN-DAY MINIMUM	0.44	Dec 21	0.44	Dec 21	0.44	Dec 21, 2002
ANNUAL RUNOFF (AC-FT)	4,370		12,310		33,970	
10 PERCENT EXCEEDS	12		27		111	
50 PERCENT EXCEEDS	4.7		4.1		18	
90 PERCENT EXCEEDS	1.1		0.80		7.0	

e Estimated



10174500 SEVIER RIVER AT HATCH, UT

LOCATION.--Lat 37°39'04", long 112°25'46", in SW¼SW¼NW¼ sec. 28, T. 36 S., R. 5 W., Garfield County, Hydrologic Unit 16030001, on right bank 15 ft upstream of county road bridge, 0.2 mi east of Hatch, and 2.8 mi downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi^2.

PERIOD OF RECORD.--June 1911 to September 1928, June 1939 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Hatchtown" 1911 and as "near Hatch" 1912.

REVISED RECORDS.--WSP 960: 1939-40. WSP 1284: 1916. WSP 1564: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since November 9, 1995. Elevation of gage is 6,870 ft above NGVD of 1929, from river-profile map. Prior to August 23, 1914 at sites about 2 mi upstream. August 23, 1914 to August 22, 1978 at various sites within 300 feet of current site, different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some diversions for irrigation upstream of station. No regulation since Hatchtown Dam failed in 1914.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred May 25, 1914, when Hatchtown Dam failed; maximum recorded, 1,490 ft^3/s, May 26, 1922, gage height, 5.25 ft, datum then in use; minimum daily, 10 ft^3/s, for several days in 1912 when water was stored in Hatchtown Reservoir. Minimum natural daily discharge, 21 ft^3/s, Sep 8, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	0445	*315	*1.88				

Minimum daily discharge, 34 ft^3/s, Sep 30.

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	36	38	39	e37	37	38	38	50	165	45	43	39
2	41	38	38	e37	37	37	40	51	151	45	42	39
3	41	38	37	37	36	37	39	51	138	43	41	39
4	38	38	37	37	36	38	39	57	124	42	41	40
5	38	38	37	37	36	38	38	56	110	41	41	41
6	38	38	37	37	37	38	38	54	98	39	40	40
7	38	37	38	37	e36	39	38	54	90	38	37	39
8	39	38	37	37	e36	40	37	56	85	38	39	39
9	39	41	e35	37	36	41	37	55	81	38	39	39
10	38	40	37	37	36	43	38	54	76	38	40	39
11	38	39	37	38	36	45	37	51	73	38	41	38
12	38	38	37	37	37	44	38	49	69	38	39	37
13	38	39	37	37	44	41	39	52	66	37	39	37
14	38	38	37	37	49	40	40	63	63	38	38	37
15	38	38	37	37	46	40	41	76	60	39	44	37
16	38	38	37	36	40	42	41	86	57	40	43	37
17	37	39	39	36	40	44	38	134	56	40	41	36
18	37	38	37	37	40	41	39	160	55	40	40	38
19	36	38	e35	37	39	40	39	198	52	40	41	39
20	37	38	e35	37	39	40	38	216	50	40	41	38
21	36	39	e36	37	39	39	38	226	49	40	41	39
22	37	38	e36	37	38	38	40	243	49	40	43	39
23	37	38	e37	37	38	38	40	246	49	42	47	40
24	37	38	e37	37	38	39	39	231	48	41	43	39
25	38	38	e35	37	40	38	40	250	48	40	41	37
26	38	e36	e36	37	40	38	41	254	47	41	42	37
27	40	e35	e37	37	39	38	42	249	46	41	41	38
28	39	e35	e37	38	37	38	43	249	47	43	39	36
29	39	37	e37	37	---	37	47	222	46	42	38	35
30	38	38	e37	37	---	37	50	206	46	45	39	34
31	38	---	e37	37	---	37	---	188	---	46	38	---
TOTAL	1,178	1,139	1,142	1,147	1,082	1,223	1,192	4,187	2,194	1,258	1,262	1,142
MEAN	38.0	38.0	36.8	37.0	38.6	39.5	39.7	135	73.1	40.6	40.7	38.1
MAX	41	41	39	38	49	45	50	254	165	46	47	41
MIN	36	35	35	36	36	37	37	49	46	37	37	34
AC-FT	2,340	2,260	2,270	2,280	2,150	2,430	2,360	8,300	4,350	2,500	2,500	2,270

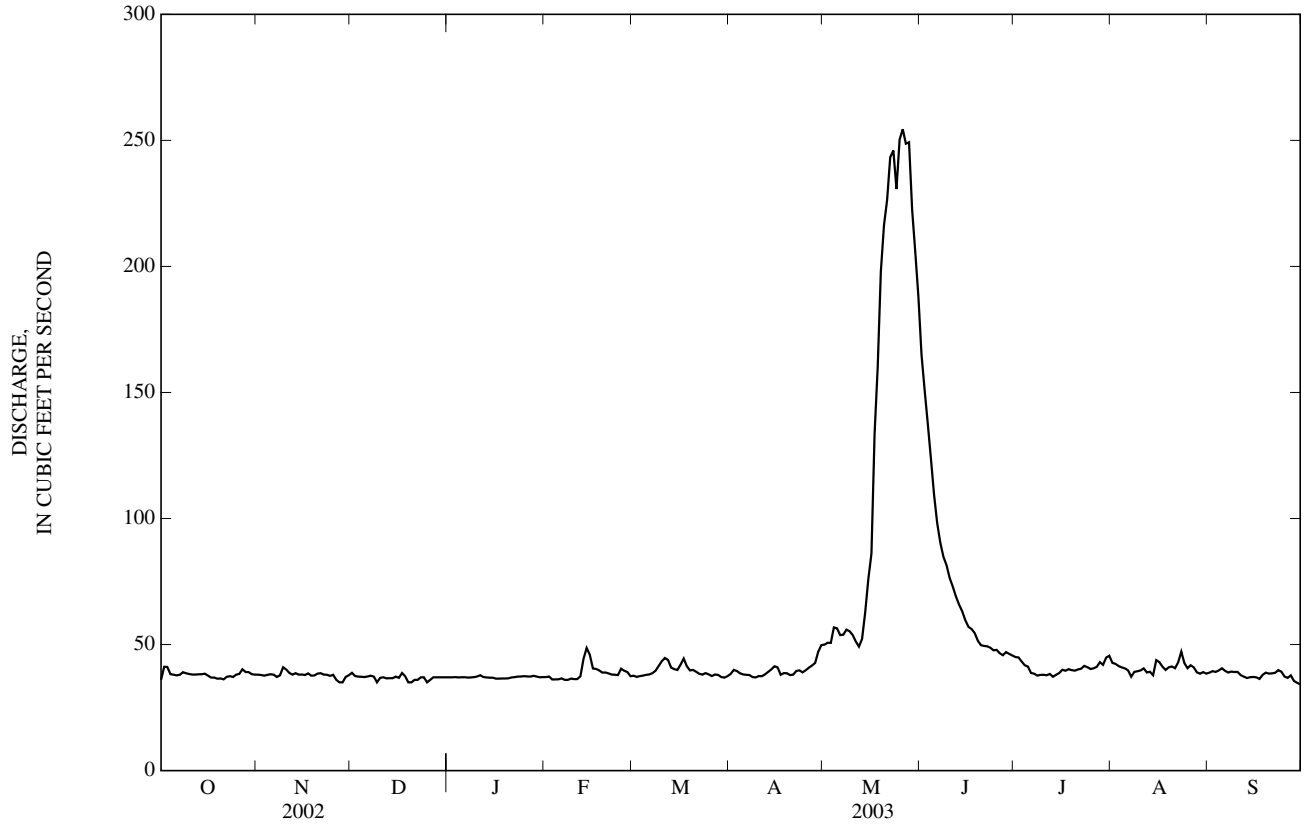
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915, 1928, 1940-2003, BY WATER YEAR (WY)

MEAN	75.6	73.6	67.6	62.1	65.3	74.9	126	332	258	118	88.9	78.4
MAX	246	149	150	128	130	159	465	1,012	1,071	430	228	167
(WY)	(1917)	(1917)	(1922)	(1923)	(1922)	(1916)	(1916)	(1922)	(1983)	(1983)	(1983)	(1922)
MIN	36.8	36.9	36.2	37.0	36.6	38.5	39.7	40.0	33.3	32.5	30.4	28.3
(WY)	(1978)	(1978)	(1957)	(2003)	(1978)	(1957)	(2003)	(2002)	(2002)	(2002)	(1977)	(1977)

10174500 SEVIER RIVER AT HATCH, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915, 1928, 1940-2003	
ANNUAL TOTAL	14,384		18,146			
ANNUAL MEAN	39.4		49.7		119	
HIGHEST ANNUAL MEAN					313	1922
LOWEST ANNUAL MEAN					42.6	1977
HIGHEST DAILY MEAN	56	Apr 16	254	May 26	1,430	May 26, 1922
LOWEST DAILY MEAN	29	Aug 15	34	Sep 30	0.00	Jul 31, 1927
ANNUAL SEVEN-DAY MINIMUM	30	Aug 12	36	Dec 19	23	Aug 30, 1977
ANNUAL RUNOFF (AC-FT)	28,530		35,990		86,050	
10 PERCENT EXCEEDS	49		56		227	
50 PERCENT EXCEEDS	38		39		74	
90 PERCENT EXCEEDS	32		37		45	

e Estimated



10183500 SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°12'22", long 112°12'25", in SE¼NE¼NW¼ sec. 16, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030001, on left bank 1,000 ft upstream from bridge on State Highway 62, 1.1 mi west of Kingston, and 1.9 mi upstream of East Fork Sevier River.

DRAINAGE AREA.--1,131 mi^2.

PERIOD OF RECORD.--June 1914 to current year.

REVISED RECORDS.--WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since July 10, 2000. Concrete control since September 20, 1918. Elevation of gage is 5,980 ft above NGVD of 1929, from river-profile map. Prior to September 20, 1918, at site 1 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many irrigation diversions upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft^3/s (including estimated flow of 360 ft^3/s in overflow channel bypassing station), Mar 4, 1938, gage height, 5.20 ft, from rating curve extended above 600 ft^3/s; minimum daily discharge, 1.6 ft^3/s, Jul 24, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 800 ft^3/s, Aug 24, gage height, 3.24 ft; minimum daily discharge, 7.2 ft^3/s, Aug 12.

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	11	26	114	115	117	92	26	13	21	11	13	10
2	14	26	110	111	118	90	17	13	19	10	12	11
3	15	26	106	114	112	89	18	15	17	10	12	10
4	17	26	105	116	114	91	15	14	16	10	11	10
5	23	26	103	118	113	96	14	14	15	10	9.3	11
6	23	26	103	120	109	95	14	14	15	10	9.5	10
7	23	27	105	122	106	92	14	15	14	10	10	8.5
8	23	33	106	121	107	91	14	16	14	10	11	8.2
9	23	42	102	122	108	92	14	16	14	10	46	8.0
10	23	41	102	123	107	96	15	17	14	10	8.0	8.4
11	22	39	105	128	113	100	15	16	14	10	7.3	8.4
12	22	38	107	126	115	109	14	16	15	10	7.2	8.9
13	22	40	108	123	126	113	15	15	14	10	7.5	9.6
14	22	39	114	123	131	108	17	15	14	10	7.7	9.4
15	20	44	117	121	132	102	17	17	16	10	7.9	9.0
16	19	62	114	117	120	102	13	16	14	11	51	7.8
17	19	68	116	117	118	117	13	15	14	11	35	7.7
18	19	63	116	116	118	114	14	15	15	9.8	9.8	8.0
19	19	65	109	115	112	102	14	15	15	8.1	8.9	8.7
20	19	69	108	114	108	99	13	36	12	8.3	9.6	9.6
21	20	77	e106	114	105	101	13	59	12	8.7	9.2	9.7
22	21	82	112	116	98	98	14	77	12	10	8.9	9.7
23	23	87	108	116	86	101	15	71	12	12	63	9.2
24	24	86	116	118	93	103	15	60	12	11	188	8.2
25	25	88	114	119	97	95	14	44	12	11	13	8.4
26	27	87	111	116	100	89	13	42	12	11	11	8.5
27	31	92	121	115	93	81	13	44	11	11	11	8.8
28	33	90	112	115	91	75	12	42	11	12	11	8.8
29	31	99	115	117	---	68	12	42	11	11	11	8.6
30	30	103	108	115	---	65	12	33	10	10	16	8.8
31	28	---	116	115	---	62	---	20	---	12	10	---
TOTAL	691	1,717	3,409	3,658	3,067	2,928	439	857	417	318.9	645.8	270.9
MEAN	22.3	57.2	110	118	110	94.5	14.6	27.6	13.9	10.3	20.8	9.03
MAX	33	103	121	128	132	117	26	77	21	12	188	11
MIN	11	26	102	111	86	62	12	13	10	8.1	7.2	7.7
AC-FT	1,370	3,410	6,760	7,260	6,080	5,810	871	1,700	827	633	1,280	537

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2003, BY WATER YEAR (WY)

MEAN	83.2	131	146	135	155	170	149	219	151	47.3	50.5	59.8
MAX	319	237	252	218	259	330	507	1,154	1,140	321	315	232
(WY)	(1917)	(1984)	(1984)	(1984)	(1924)	(1921)	(1916)	(1922)	(1983)	(1995)	(1916)	(1921)
MIN	6.90	29.6	34.2	45.0	74.7	65.5	14.6	8.73	7.44	4.89	5.36	7.01
(WY)	(1961)	(1932)	(1932)	(1932)	(1932)	(1957)	(2003)	(1959)	(1974)	(1971)	(1960)	(1960)

10183500 SEVIER RIVER NEAR KINGSTON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915 - 2003	
ANNUAL TOTAL	19,387.8		18,418.6			
ANNUAL MEAN	53.1		50.5		125	
HIGHEST ANNUAL MEAN					359	1922
LOWEST ANNUAL MEAN					49.4	1991
HIGHEST DAILY MEAN	157	Jan 10	188	Aug 24	1,560	Jun 3, 1983
LOWEST DAILY MEAN	7.0	Aug 14	7.2	Aug 12	1.6	Jul 24, 1963
ANNUAL SEVEN-DAY MINIMUM	7.1	Aug 13	8.6	Sep 7	2.9	Jul 22, 1963
ANNUAL RUNOFF (AC-FT)	38,460		36,530		90,260	
10 PERCENT EXCEEDS	134		116		223	
50 PERCENT EXCEEDS	18		23		112	
90 PERCENT EXCEEDS	8.4		9.6		12	

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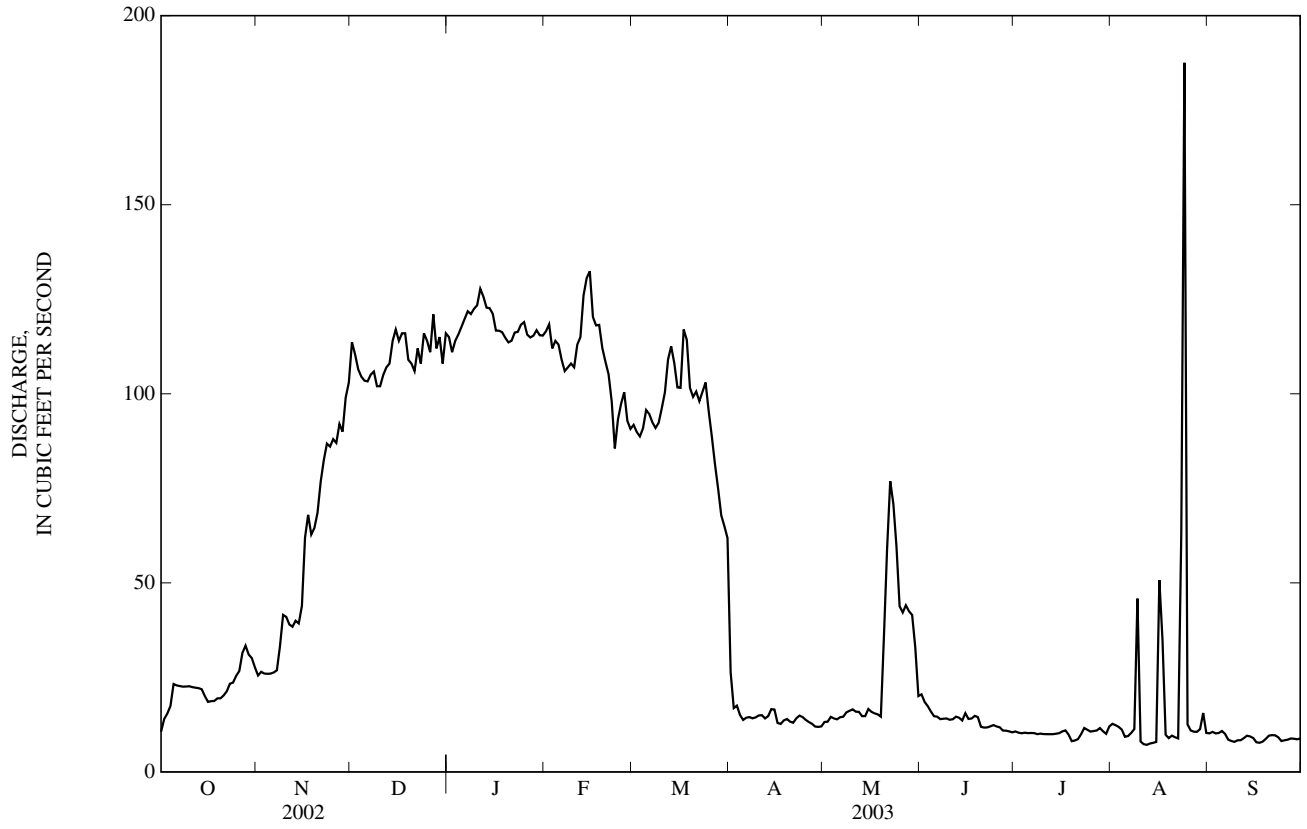


10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°11'47", long 112°08'49", in NE¼SE¼SW¼ sec. 13, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030002, on right bank about 2,200 ft upstream from bridge on State Highway 22, 2.3 mi east of Kingston, 4.7 mi upstream from mouth, and 10 mi downstream from Otter Creek Reservoir.

DRAINAGE AREA.--1,207 mi^2.

PERIOD OF RECORD.--March 1913 to current year.

REVISED RECORDS.--WSP 750: 1931-32. WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since August 1, 2001. Elevation of gage is 6,160 ft above NGVD of 1929, from river- profile map. Prior to April 29, 1914, staff gage at site 0.8 mi upstream. April 29, 1914 to June 2, 1939, water-stage recorder 4,700 ft downstream. June 3, 1939 to July 29, 1970, water-stage recorder 3,200 ft downstream. Prior to July 29, 1970 at different datums. July 30, 1970 to July 12, 1983, water-stage recorder 760 ft downstream and July 12, 1983 to April 6, 1999, about 700 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream for irrigation and storage in Otter Creek Reservoir (capacity 52,700 acre-feet) 10 mi upstream; some flow regulated by reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,030 ft^3/s, May 12, 1941, gage height, 5.05 ft, datum then in use, from rating curve extended above 1,500 ft^3/s, site and ; minimum, 1.0 ft^3/s, Jan 25, 1976, gage height, 0.52 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 284 ft^3/s, Jul 23, gage height, 5.37 ft; minimum daily discharge, 10 ft^3/s, Oct 18, 19, 20, 21.

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	20	11	12	e12	13	15	15	38	209	193	153	80
2	17	11	12	e12	13	14	16	87	209	193	185	45
3	20	11	12	e13	e12	16	15	158	215	192	185	44
4	17	11	12	e14	e12	15	15	160	214	184	163	45
5	15	11	e12	e13	e11	14	15	162	214	178	157	43
6	14	11	e11	e13	e11	15	16	163	210	185	153	42
7	13	11	e12	e12	e11	15	15	167	201	186	153	42
8	12	11	e11	e12	e11	14	21	166	199	186	152	41
9	12	13	e11	e12	e12	14	17	161	206	184	152	41
10	12	14	e11	e12	e12	13	19	159	205	181	151	41
11	11	13	e11	e12	e13	13	24	161	204	177	145	41
12	11	13	e11	e12	e13	13	43	165	203	172	143	41
13	11	12	e11	12	13	14	41	164	201	205	142	34
14	11	12	e11	12	14	79	30	166	199	204	141	29
15	11	12	11	12	13	26	16	166	198	201	141	27
16	11	11	11	e12	13	21	16	163	191	200	139	26
17	11	11	11	e12	13	22	17	167	193	200	139	24
18	10	11	e11	e12	14	19	18	209	194	193	130	25
19	10	11	e11	e12	14	17	20	210	192	188	126	25
20	10	11	e12	e12	14	17	21	209	192	189	124	26
21	10	11	e12	12	14	16	38	211	190	195	123	25
22	11	11	e12	12	13	16	38	211	190	197	128	26
23	11	11	e12	12	e11	15	41	205	191	222	170	25
24	11	11	e13	12	13	18	41	207	191	196	166	25
25	11	11	e12	12	13	16	40	216	197	194	160	25
26	11	e12	e12	12	14	15	40	214	196	191	139	25
27	13	e11	e13	12	15	16	40	211	194	192	68	21
28	13	e13	e14	12	14	16	38	208	193	190	54	21
29	12	e14	e13	12	---	15	37	207	193	189	61	23
30	11	e11	e12	12	---	15	37	210	195	188	122	23
31	11	---	e13	12	---	15	---	211	---	187	107	---
TOTAL	384	348	365	377	359	559	800	5,512	5,979	5,932	4,272	1,001
MEAN	12.4	11.6	11.8	12.2	12.8	18.0	26.7	178	199	191	138	33.4
MAX	20	14	14	14	15	79	43	216	215	222	185	80
MIN	10	11	11	12	11	13	15	38	190	172	54	21
AC-FT	762	690	724	748	712	1,110	1,590	10,930	11,860	11,770	8,470	1,990

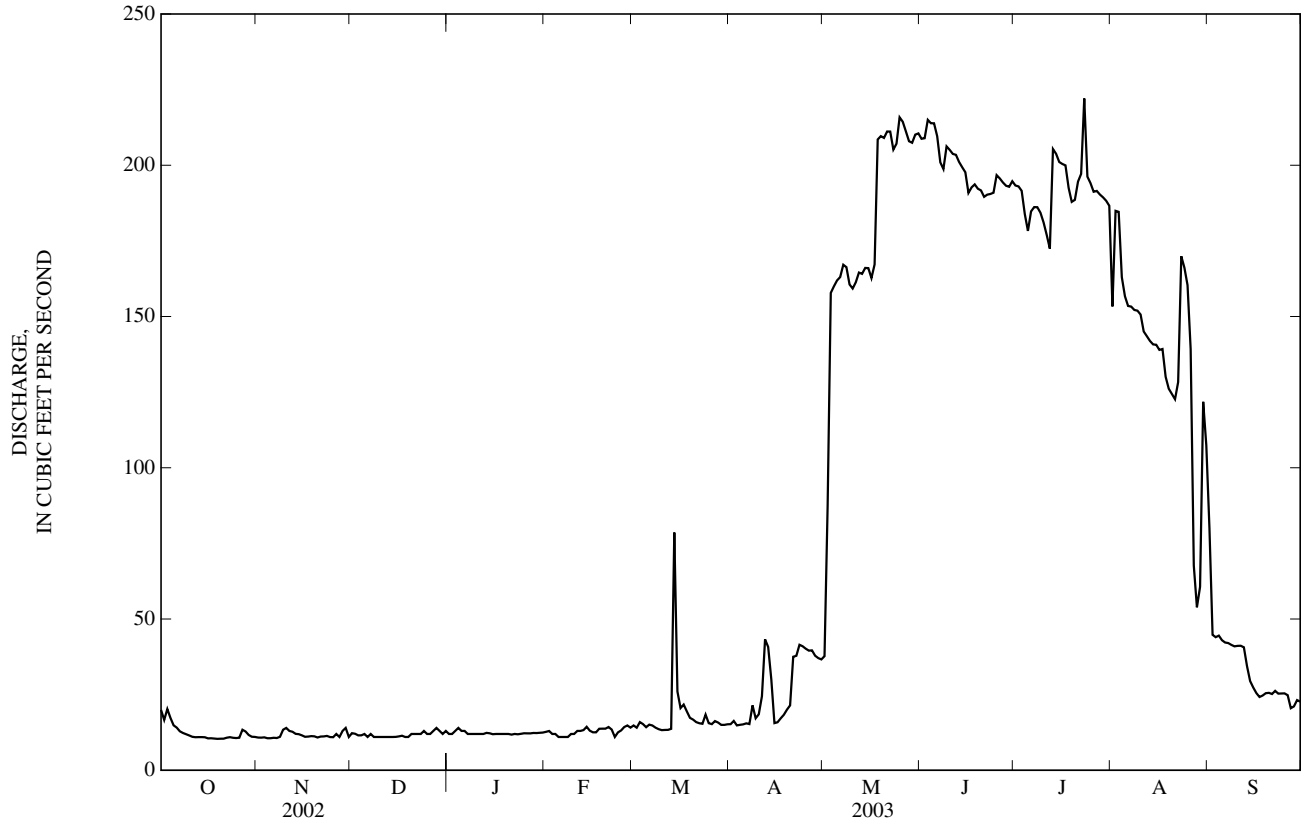
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2003, BY WATER YEAR (WY)

MEAN	36.0	26.6	21.9	21.7	26.0	39.1	74.2	165	150	166	135	82.5
MAX	241	151	128	156	146	171	398	1,109	551	365	335	242
(WY)	(1923)	(1985)	(1939)	(1939)	(1986)	(1983)	(1942)	(1922)	(1983)	(1915)	(1999)	(1917)
MIN	9.12	8.97	8.25	7.00	7.19	11.7	15.0	28.4	28.0	31.3	18.0	18.4
(WY)	(1962)	(1965)	(1973)	(1960)	(1977)	(1956)	(1935)	(1945)	(1957)	(1936)	(1934)	(1934)

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1914 - 2003	
ANNUAL TOTAL	24,787		25,888			
ANNUAL MEAN	67.9		70.9		79.1	
HIGHEST ANNUAL MEAN					201	1922
LOWEST ANNUAL MEAN					33.5	1968
HIGHEST DAILY MEAN	300	May 30	222	Jul 23	1,740	May 12, 1941
LOWEST DAILY MEAN	10	Oct 18	10	Oct 18	5.5	Feb 25, 1977
ANNUAL SEVEN-DAY MINIMUM	10	Oct 15	10	Oct 15	5.5	Feb 25, 1977
ANNUAL RUNOFF (AC-FT)	49,170		51,350		57,290	
10 PERCENT EXCEEDS	254		197		209	
50 PERCENT EXCEEDS	18		17		34	
90 PERCENT EXCEEDS	11		11		13	

e Estimated



10191500 SEVIER RIVER BELOW PIUTE DAM, NEAR MARYSVALE, UT

LOCATION.--Lat 38°19'41", long 112°11'13", in NW¼SW¼SE¼ sec. 34, T. 28 S., R. 3 W., Piute County, Hydrologic Unit 16030003, on left bank 0.25 mi downstream of Piute Dam and 8.5 mi south of Marysvale.

DRAINAGE AREA.--2,441 mi^2.

PERIOD OF RECORD.--May to August 1911, May 1912 to September 2003 (discontinued).

GAGE.--Water-stage recorder. Concrete control since April 23, 1979. Elevation of gage is 5,920 ft above NGVD of 1929, from topographic map. Prior to May 4, 1912 nonrecording gage near present site at different datum. May 4, 1912 to March 31, 1935 water-stage recorder at site 0.1 mi downstream at different datum. April 1, 1935 to April 22, 1979 water-stage recorder at site 0.25 mi downstream. Datum lowered 0.2 ft April 7, 1936; lowered additional 0.5 ft February 26, 1970. April 23, 1979 to September 30, 1985 at datum 10.00 ft higher.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s, which are poor. Flow regulated by Piute Reservoir, capacity about 71,800 acre-feet.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,600 ft^3/s, May 23-24, 1922, gage height, 4.45 ft, site and datum then in use; no flow at times when reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 916 ft^3/s, May 14, gage height, 12.78 ft; no flow on many days in Nov, Dec, and Jan.

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	48	19	0.08	0.00	0.57	0.41	0.14	303	0.78	666	237	104
2	75	84	0.10	0.00	0.27	0.42	2.4	392	0.87	657	230	92
3	77	84	0.09	0.00	0.30	0.34	9.0	393	0.88	605	203	87
4	69	50	0.06	0.03	0.30	0.31	32	448	0.70	566	188	98
5	77	52	0.11	0.06	0.28	0.33	141	448	0.44	559	198	91
6	77	37	5.6	0.06	0.31	0.29	141	515	0.32	552	224	86
7	77	0.00	0.00	0.06	0.34	0.29	141	553	0.25	543	220	79
8	77	0.00	0.00	0.06	0.30	0.30	141	552	50	505	212	84
9	77	0.01	0.00	0.06	0.34	0.31	141	586	105	435	226	75
10	77	0.00	0.00	0.07	0.37	0.34	141	600	34	431	228	69
11	76	0.00	0.00	0.06	0.42	0.38	141	599	28	414	223	62
12	75	0.00	0.00	0.06	0.41	0.38	140	593	54	381	325	51
13	74	0.00	0.00	0.06	0.45	0.38	140	598	127	367	266	47
14	73	0.02	0.00	0.09	0.34	0.37	140	609	196	350	251	45
15	73	0.00	0.00	0.10	0.49	0.36	139	595	302	333	248	46
16	71	0.00	0.00	0.15	0.27	0.43	139	580	384	332	250	38
17	69	0.00	0.00	0.17	0.22	0.43	138	558	463	289	248	23
18	68	0.00	0.00	0.17	0.24	0.41	138	537	499	296	245	24
19	67	0.00	0.00	0.17	0.23	0.45	138	506	562	278	283	39
20	66	0.00	0.00	0.17	0.26	0.48	138	400	570	252	331	53
21	66	0.00	0.00	0.19	0.30	0.44	138	368	670	249	326	43
22	66	0.00	0.00	0.23	0.33	0.43	138	278	706	247	259	43
23	66	0.00	0.00	0.23	0.36	0.37	138	171	699	239	217	49
24	66	0.01	0.00	0.23	0.35	0.43	146	203	691	232	200	35
25	66	0.00	0.00	0.23	0.34	0.48	165	234	681	252	185	34
26	67	0.01	0.00	0.23	0.34	0.38	158	160	674	241	190	26
27	68	0.06	0.00	0.27	0.34	0.35	124	107	656	223	184	28
28	70	0.00	0.00	0.54	0.34	0.34	143	43	641	225	178	28
29	71	0.02	0.00	0.61	---	0.31	171	1.0	664	224	143	31
30	20	0.05	0.00	0.67	---	0.28	234	0.48	676	206	121	63
31	0.02	---	0.00	0.81	---	0.28	---	0.50	---	200	117	---
TOTAL	2,069.02	326.18	6.04	5.84	9.41	11.50	3,835.54	11,930.98	10,136.24	11,349	6,956	1,673
MEAN	66.7	10.9	0.19	0.19	0.34	0.37	128	385	338	366	224	55.8
MAX	77	84	5.6	0.81	0.57	0.48	234	609	706	666	331	104
MIN	0.02	0.00	0.00	0.00	0.22	0.28	0.14	0.48	0.25	200	117	23
AC-FT	4,100	647	12	12	19	23	7,610	23,670	20,110	22,510	13,800	3,320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1913 - 2003, BY WATER YEAR (WY)

MEAN	124	77.9	48.2	41.1	70.3	96.3	245	432	384	446	371	228
MAX	411	541	460	383	597	417	745	2,145	1,862	718	730	594
(WY)	(1923)	(1917)	(1985)	(1984)	(1984)	(1983)	(1942)	(1922)	(1983)	(1922)	(1920)	(1914)
MIN	14.3	3.13	0.19	0.19	0.34	0.37	6.09	41.9	14.6	80.0	48.2	28.2
(WY)	(1987)	(2001)	(2003)	(2003)	(2003)	(2003)	(1952)	(1957)	(1957)	(1934)	(1934)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1913 - 2003	
ANNUAL TOTAL	55,431.84		48,308.75			
ANNUAL MEAN	152		132		211	
HIGHEST ANNUAL MEAN					568	1922
LOWEST ANNUAL MEAN					100	1956
HIGHEST DAILY MEAN	635	May 5	706	Jun 22	2,530	May 24, 1922
LOWEST DAILY MEAN	0.00	Nov 7	0.00	Nov 7	0.00	Apr 5, 1919
ANNUAL SEVEN-DAY MINIMUM	0.00	Nov 15	0.00	Nov 15	0.00	Nov 15, 2002
ANNUAL RUNOFF (AC-FT)	109,900		95,820		152,900	
10 PERCENT EXCEEDS	443		454		533	
50 PERCENT EXCEEDS	67		49		130	
90 PERCENT EXCEEDS	0.00		0.00		4.8	

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT

LOCATION.--Lat 38°34'45", long 112°17'22", in NW¼NW¼SW¼ sec. 31, T. 25 S., R. 4 W., Sevier County, Hydrologic Unit 16030003, on left bank on State Highway 4, 1.8 mi west of Sevier, 2.3 mi upstream from mouth, and 17.2 mi southwest of Richfield.

DRAINAGE AREA.--164 mi^2.

PERIOD OF RECORD.--August 1957 to September 2003 (discontinued).

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,680 ft above NGVD of 1929, from topographic map. Prior to November 5, 1993, 200 ft upstream at datum 3.0 ft higher.

REMARKS.--Records good except for estimated day, which is poor. Slight regulation from several small reservoirs at headwaters, total combined capacity about 1,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 906 ft^3/s, Aug 26, 1988, gage height, 2.40 ft, datum then in use, from rating curve extended above 400 ft^3/s; minimum discharge, 0.71 ft^3/s, Feb 8, 2003.

EXTREMES FOR CURRENT YEAR.-- Maximum discharge, 164 ft^3/s, May 30, gage height 2.84 ft; minimum discharge, 0.71 ft^3/s, Feb 8.

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	8.6	9.7	11	9.9	10	7.8	38	37	133	24	24	10
2	15	7.3	10	7.1	11	11	41	34	127	23	21	11
3	17	6.0	8.7	10	6.6	8.3	29	36	117	21	17	9.4
4	13	8.0	8.2	9.8	6.0	10	22	36	104	20	14	9.6
5	11	8.0	8.0	9.8	9.7	9.5	22	35	92	18	13	11
6	11	8.2	8.4	9.4	6.2	9.6	19	32	81	18	11	11
7	10	9.7	9.7	8.3	6.8	9.8	18	28	76	17	11	10
8	9.9	11	7.4	8.0	e6.0	11	18	30	73	16	12	9.2
9	9.7	16	5.3	10	6.3	11	23	33	68	16	11	8.7
10	9.7	12	9.0	9.9	7.5	11	29	32	65	15	11	12
11	10	11	8.9	10	8.8	12	34	30	65	14	11	11
12	10	8.6	10	9.1	9.8	15	40	31	60	14	11	10
13	10	11	8.8	9.3	12	16	46	37	53	13	11	9.5
14	10	10	10	9.6	14	20	47	43	48	13	9.6	9.7
15	9.3	9.3	11	9.9	12	17	44	53	47	13	9.4	9.3
16	9.6	7.9	9.0	7.3	12	18	35	63	45	14	13	7.8
17	9.6	11	10	8.9	13	18	33	77	42	13	12	7.3
18	9.6	8.5	8.9	7.4	12	12	32	82	46	15	10	8.3
19	9.4	7.8	3.2	8.6	9.4	12	30	89	49	15	9.0	8.9
20	8.8	9.8	6.8	10	11	16	27	87	50	16	9.2	8.8
21	8.9	9.5	6.2	11	10	17	27	88	47	14	10	8.2
22	9.5	9.5	4.9	10	9.4	17	29	94	45	13	14	7.9
23	9.6	9.7	6.2	9.9	7.3	25	27	98	44	14	14	7.6
24	9.3	9.1	8.0	9.8	11	28	26	105	47	13	13	7.3
25	9.2	9.7	6.5	9.8	12	23	31	106	42	12	11	7.1
26	9.2	4.5	5.1	9.5	10	27	44	104	37	12	10	7.1
27	9.6	3.8	6.8	9.9	9.8	29	45	113	35	11	9.9	7.1
28	9.5	5.0	9.5	10	8.7	22	44	130	33	12	9.2	7.0
29	9.7	6.6	10	9.9	---	17	42	145	31	10	9.6	6.8
30	9.6	8.8	8.1	9.8	---	19	41	146	26	9.8	14	6.6
31	9.9	---	11	10	---	23	---	140	---	14	10	---
TOTAL	315.2	267.0	254.6	291.9	268.3	502.0	983	2,194	1,828	462.8	374.9	265.2
MEAN	10.2	8.90	8.21	9.42	9.58	16.2	32.8	70.8	60.9	14.9	12.1	8.84
MAX	17	16	11	11	14	29	47	146	133	24	24	12
MIN	8.6	3.8	3.2	7.1	6.0	7.8	18	28	26	9.8	9.0	6.6
AC-FT	625	530	505	579	532	996	1,950	4,350	3,630	918	744	526

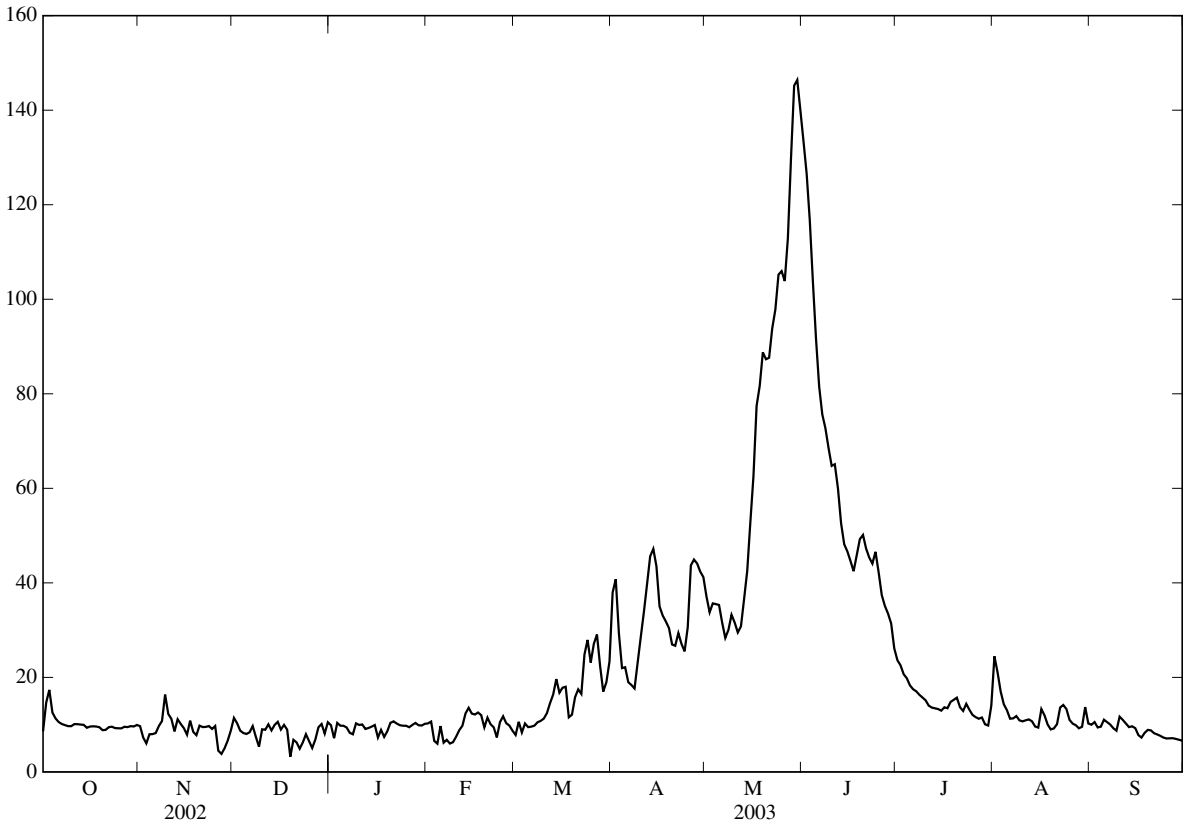
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	13.4	12.5	11.0	10.9	13.5	22.7	53.0	128	105	37.9	17.9	13.6
MAX	26.8	21.6	19.4	21.4	35.3	48.5	197	481	322	135	51.4	30.5
(WY)	(1985)	(1985)	(1967)	(1984)	(1984)	(1986)	(1984)	(1984)	(1983)	(1995)	(1984)	(1984)
MIN	6.62	7.30	4.29	4.50	5.86	10.1	10.9	21.9	19.0	7.01	4.74	4.20
(WY)	(1960)	(1978)	(1978)	(1978)	(1978)	(1964)	(1963)	(1977)	(2002)	(2002)	(1977)	(1959)

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1958 - 2003	
ANNUAL TOTAL	4,369.5		8,006.9			
ANNUAL MEAN	12.0		21.9		36.6	
HIGHEST ANNUAL MEAN					96.2	1984
LOWEST ANNUAL MEAN					12.0	1977
HIGHEST DAILY MEAN	37	May 21	146	May 30	633	May 24, 1984
LOWEST DAILY MEAN	3.2	Dec 19	3.2	Dec 19	1.8	Jan 26, 1979
ANNUAL SEVEN-DAY MINIMUM	3.7	Aug 25	6.0	Dec 19	2.4	Aug 29, 1978
ANNUAL RUNOFF (AC-FT)	8,670		15,880		26,550	
10 PERCENT EXCEEDS	22		47		91	
50 PERCENT EXCEEDS	9.8		11		16	
90 PERCENT EXCEEDS	5.2		7.7		7.8	

e Estimated



10205000 SEVIER RIVER NEAR SIGURD, UT

LOCATION.--Lat 38°52'24", long 111°57'12", in SW¼NE¼SW¼ sec. 19, T. 22 S., R. 1 W., Sevier County, Hydrologic Unit 16030003, on left bank 200 ft downstream from county road bridge, 0.5 mi downstream from Rocky Ford Dam, 2.3 mi northeast of Sigurd, and 5.0 mi upstream from Lost Creek.

DRAINAGE AREA.--3,375 mi^2.

PERIOD OF RECORD.--July to September 1912, July 1914 to September 2003 (discontinued). Prior to October 1938, published as "near Vermillion."

REVISED RECORDS.--WSP 1394: 1927-28, 1947.

GAGE.--Water-stage recorder. Elevation of gage is 5,180 ft above NGVD of 1929, from topographic map. July 15 to September 23, 1912, nonrecording gage 0.3 mi downstream at different datum. July 31, 1914 to April 19, 1917, nonrecording gage and April 20, 1917 to September 30, 1934, water-stage recorder at present site at datum 1.5 ft higher. October 1, 1934 to October 1, 1990, at datum 3.5 ft higher.

REMARKS.-- Records good except for discharges less than 5 ft^3/s and estimated daily daily discharges, which are poor. Flow regulated by Rocky Ford Reservoir (capacity 1,700 acre-feet) 0.5 mi upstream. During irrigation season practically entire flow through Rocky Ford Dam is diverted above station for irrigation below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,400 ft^3/s, May 30, 1922, gage height, 9.6 ft, present datum, from rating curve extended above 600 ft^3/s on basis of maximum discharge for other Sevier River stations; practically no flow (seepage only) at times when Rocky Ford Reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 219 ft^3/s, Oct 21, 22, gage height, 5.71 ft; minimum daily discharge, 1.4 ft^3/s, Aug 28, 31.

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	89	75	67	78	89	91	33	66	62	97	2.5	20
2	74	68	69	78	90	91	17	51	43	93	2.5	36
3	94	64	70	78	90	44	14	37	23	119	2.5	41
4	99	89	70	79	89	14	9.4	40	18	111	11	30
5	103	95	69	86	88	14	9.8	51	51	84	16	30
6	96	87	68	88	89	14	11	102	72	51	21	37
7	97	90	70	88	85	14	34	107	68	33	13	41
8	42	89	71	86	85	14	105	104	69	12	9.8	36
9	1.8	77	73	87	83	14	113	106	71	8.8	7.3	37
10	1.9	72	71	89	84	15	116	102	75	36	3.4	42
11	1.7	69	74	93	88	16	109	102	36	55	2.0	40
12	1.9	66	75	96	91	24	134	91	15	52	1.8	47
13	2.2	65	73	93	92	34	149	76	11	21	1.8	45
14	2.5	64	73	92	98	41	170	62	6.0	3.0	17	41
15	23	60	73	92	101	44	190	66	3.4	2.9	4.1	40
16	69	53	72	91	98	51	132	80	3.5	2.7	2.0	38
17	86	53	72	90	96	63	114	99	50	2.8	2.1	38
18	86	53	72	90	99	82	127	110	65	3.2	2.9	40
19	104	52	75	90	97	98	114	131	68	6.4	5.6	50
20	106	52	74	90	96	83	105	130	83	5.3	5.8	50
21	139	52	e70	92	95	74	104	140	106	17	12	48
22	213	53	70	92	90	68	103	115	64	20	45	46
23	205	52	70	92	85	64	106	107	64	19	44	56
24	199	51	73	91	83	61	94	98	106	35	24	44
25	189	52	72	91	e86	64	85	69	106	27	4.4	37
26	136	53	63	91	e90	66	92	39	102	21	2.2	37
27	80	59	66	91	e93	66	100	48	119	25	1.5	39
28	82	57	71	91	93	65	109	72	128	24	1.4	39
29	78	59	74	91	---	e65	112	73	114	23	1.6	38
30	79	61	68	90	---	e63	82	62	105	12	1.5	37
31	84	---	75	90	---	e62	---	65	---	3.8	1.4	---
TOTAL	2,664.0	1,942	2,203	2,756	2,543	1,579	2,793.2	2,601	1,906.9	1,025.9	273.1	1,200
MEAN	85.9	64.7	71.1	88.9	90.8	50.9	93.1	83.9	63.6	33.1	8.81	40.0
MAX	213	95	75	96	101	98	190	140	128	119	45	56
MIN	1.7	51	63	78	83	14	9.4	37	3.4	2.7	1.4	20
AC-FT	5,280	3,850	4,370	5,470	5,040	3,130	5,540	5,160	3,780	2,030	542	2,380

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2003, BY WATER YEAR (WY)

MEAN	89.3	118	136	141	170	170	127	129	132	35.2	34.7	54.0
MAX	304	700	591	505	693	634	836	1,468	2,002	367	192	335
(WY)	(1917)	(1917)	(1985)	(1984)	(1984)	(1984)	(1984)	(1922)	(1983)	(1983)	(1920)	(1985)
MIN	15.0	34.6	35.4	45.4	57.9	42.7	4.44	2.87	1.47	0.88	1.06	0.59
(WY)	(1952)	(1957)	(1957)	(1964)	(1935)	(1935)	(1972)	(1925)	(1953)	(1954)	(1963)	(1956)

10205000 SEVIER RIVER NEAR SIGURD, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915 - 2003	
ANNUAL TOTAL	23,246.0		23,487.1			
ANNUAL MEAN	63.7		64.3		112	
HIGHEST ANNUAL MEAN					482	1983
LOWEST ANNUAL MEAN					38.7	1966
HIGHEST DAILY MEAN	399	Mar 22	213	Oct 22	2,370	May 30, 1922
LOWEST DAILY MEAN	1.1	Aug 22	1.4	Aug 28	0.00	Jul 16, 1933
ANNUAL SEVEN-DAY MINIMUM	1.2	Aug 21	2.0	Aug 25	0.00	Jul 16, 1933
ANNUAL RUNOFF (AC-FT)	46,110		46,590		81,090	
10 PERCENT EXCEEDS	123		106		243	
50 PERCENT EXCEEDS	60		69		78	
90 PERCENT EXCEEDS	2.1		6.2		2.8	

e Estimated

10205030 SALINA CREEK NEAR EMERY, UT

LOCATION.--Lat 38°54'43", long 111°31'47", in SE¼SW¼NW¼ sec. 12, T. 22 S., R. 3 E., Sevier County, Hydrologic Unit 16030003, Fish Lake National Forest, on right bank 0.1 mi downstream of Skumpah Creek and 2.5 mi upstream from Natural Resources Conservation Service retention dam, 15.3 mi west of Emery, and 18.4 mi east of Salina.

DRAINAGE AREA.--51.8 mi^2.

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since Aug 21, 2000. Elevation of gage is 7,000 ft above NGVD of 1929, from topographic map. Prior to June 9, 1971, at site 300 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion above station. Slight regulation from small reservoirs at headwaters.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 740 ft^3/s, Jul 27, 1989, gage height, 5.85 ft, present datum from rating curve extended above 150 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.80 ft^3/s, Nov 9, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 135 ft^3/s, May 22, gage height, 4.10 ft; minimum daily discharge, 1.6 ft^3/s, Dec 26.

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	6.2	6.2	e3.8	2.0	4.8	e4.4	5.5	14	44	17	12	10
2	6.4	e5.5	e3.4	1.9	4.7	e4.6	5.7	14	39	18	11	11
3	7.2	e5.0	e3.0	1.7	e4.6	e4.8	5.5	15	34	17	12	10
4	6.7	e4.8	e2.8	1.7	e4.4	5.3	e5.2	14	32	16	11	10
5	6.6	e4.8	e2.8	2.3	e4.4	5.0	5.4	13	29	14	11	10
6	6.5	e4.6	e2.6	3.6	e3.8	4.7	5.2	12	26	13	11	10
7	6.5	e5.5	e3.0	4.6	e3.4	4.6	5.0	12	24	13	11	10
8	6.5	6.3	e3.4	e4.6	e3.2	4.7	5.0	12	21	13	11	10
9	6.5	7.3	e2.8	e4.4	e3.2	5.0	5.4	13	21	13	11	10
10	6.5	5.8	e2.8	5.5	e3.6	4.9	5.8	12	20	13	11	10
11	6.5	5.8	e3.0	5.4	e4.2	4.8	6.4	13	19	13	11	9.8
12	6.5	e5.3	e3.8	5.0	e5.0	4.9	8.1	17	18	12	11	9.7
13	6.5	6.1	e3.0	e4.6	5.9	5.2	10	21	17	12	11	9.7
14	6.5	6.0	e3.8	e5.0	5.9	5.3	12	24	16	12	11	9.7
15	6.5	5.9	5.8	5.6	5.3	5.1	10	41	16	12	11	9.7
16	6.5	e5.5	e4.8	e5.5	4.9	4.9	7.8	60	15	12	10	9.7
17	6.5	e5.7	e4.4	e6.0	4.8	5.0	7.9	62	15	12	10	9.7
18	6.5	e5.5	e3.8	e5.5	4.8	4.8	7.6	74	15	11	10	9.7
19	6.5	e5.2	e3.0	e5.0	e4.8	4.7	7.0	88	15	11	10	9.7
20	6.4	e5.7	e2.4	e4.6	5.5	4.6	6.8	84	15	11	10	9.7
21	6.2	e6.0	e2.0	e5.0	5.0	4.7	8.0	90	15	11	11	9.6
22	6.2	6.1	e2.0	5.3	4.7	4.7	8.2	96	14	11	12	9.2
23	6.2	6.0	e1.9	5.2	e4.6	4.8	7.3	83	14	15	11	8.9
24	6.2	6.0	e1.8	5.2	e4.4	4.8	8.0	77	14	12	11	8.9
25	6.2	6.0	e1.7	5.2	e4.6	4.9	13	73	14	12	11	8.9
26	6.2	e5.5	e1.6	4.9	e4.6	5.0	17	78	14	12	11	8.9
27	6.2	e3.8	e1.8	4.8	4.7	5.0	17	78	13	12	11	8.9
28	6.2	e3.4	e2.6	4.8	e4.6	5.0	17	76	13	12	11	8.9
29	6.2	e2.8	e2.2	4.6	---	e4.8	16	67	13	12	11	8.9
30	e5.8	e3.0	e1.8	4.8	---	e4.6	15	58	13	11	11	8.9
31	e6.0	---	e1.8	4.8	---	5.1	---	50	---	13	10	---
TOTAL	198.1	161.1	89.4	139.1	128.4	150.7	263.8	1,441	588	398	338	288.1
MEAN	6.39	5.37	2.88	4.49	4.59	4.86	8.79	46.5	19.6	12.8	10.9	9.60
MAX	7.2	7.3	5.8	6.0	5.9	5.3	17	96	44	18	12	11
MIN	5.8	2.8	1.6	1.7	3.2	4.4	5.0	12	13	11	10	8.9
AC-FT	393	320	177	276	255	299	523	2,860	1,170	789	670	571

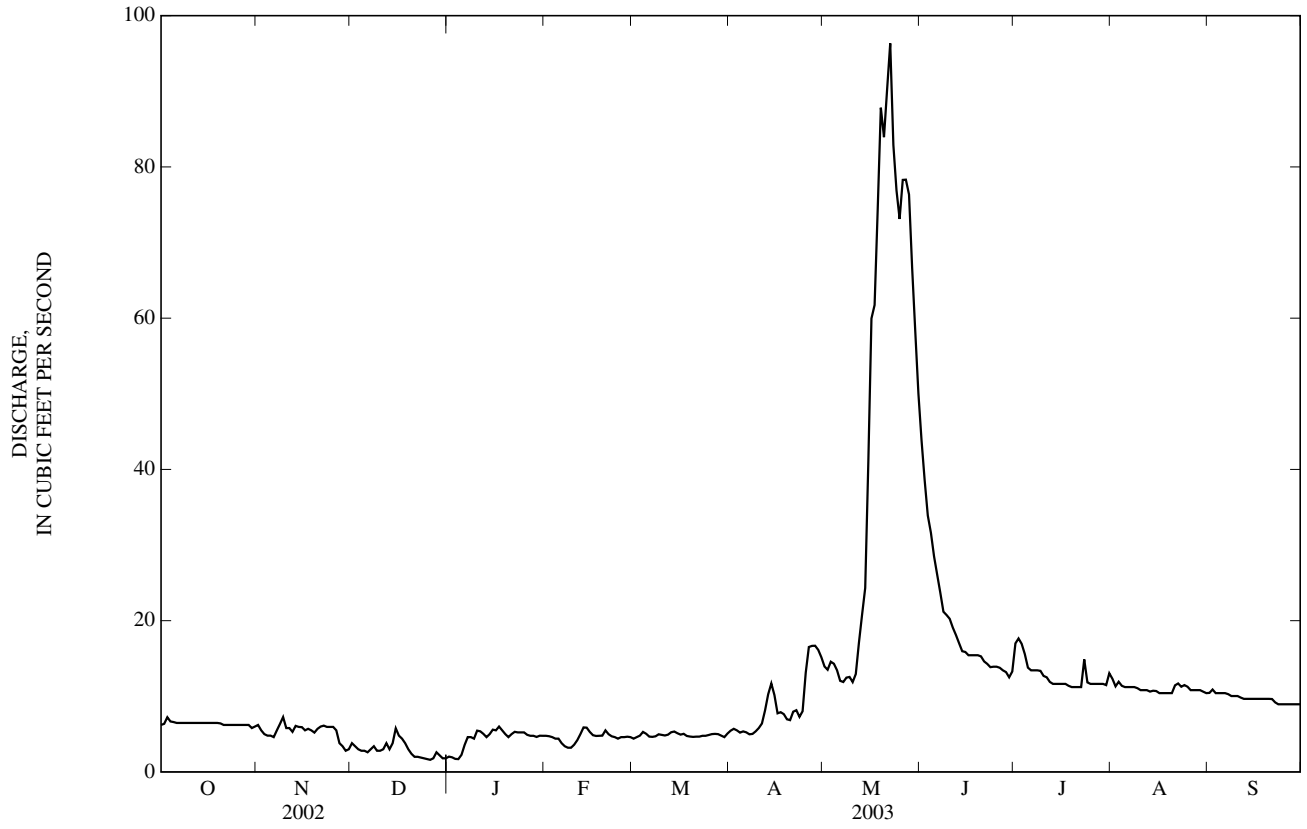
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	9.87	8.26	7.04	6.52	6.33	7.42	14.7	64.4	43.3	16.9	13.5	11.3
MAX	18.9	16.0	14.1	13.6	10.8	16.0	51.6	275	162	50.3	34.4	25.4
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1988)	(1985)	(1984)	(1983)	(1983)	(1983)	(1984)
MIN	3.57	3.24	2.88	2.58	2.49	4.25	5.31	5.12	3.70	4.67	4.09	3.55
(WY)	(1978)	(1978)	(2003)	(1977)	(1977)	(1977)	(1964)	(1977)	(1977)	(1977)	(1977)	(1977)

10205030 SALINA CREEK NEAR EMERY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	2,667.5		4,183.7			
ANNUAL MEAN	7.31		11.5		17.5	
HIGHEST ANNUAL MEAN					53.0	1984
LOWEST ANNUAL MEAN					4.58	1977
HIGHEST DAILY MEAN	36	May 7	96	May 22	434	May 28, 1983
LOWEST DAILY MEAN	1.6	Dec 26	1.6	Dec 26	1.5	Dec 30, 1982
ANNUAL SEVEN-DAY MINIMUM	1.8	Dec 21	1.8	Dec 21	1.7	Dec 26, 1982
ANNUAL RUNOFF (AC-FT)	5,290		8,300		12,700	
10 PERCENT EXCEEDS	12		17		33	
50 PERCENT EXCEEDS	6.4		6.5		9.3	
90 PERCENT EXCEEDS	3.4		3.6		5.1	

e Estimated



10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

LOCATION.--Lat 39°15'33", long 111°34'45", in NE¼ SE¼SE¼ sec. 9, T. 18 S., R. 3 E., Sanpete County, Hydrologic Unit 16030004, on right bank 200 ft downstream from a side road bridge, 0.6 mi upstream from upper powerplant, 2.3 mi east of cattle guard at Manti-LaSal National Forest boundary, and 3.5 mi east of Manti.

DRAINAGE AREA.--26.4 mi^2.

PERIOD OF RECORD.--October 1964 to September 1974; October 1978 to current year.

REVISED RECORDS.--WDR UT-81-1: 1979, 1980(M), WDR UT-01-1: 2000, daily values.

GAGE.--Water-stage recorder. Crest-stage gage since August 22, 2000. Elevation of gage is 6,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Records do not include flow diverted around station in a 12-inch pipeline by city of Manti for culinary purposes and for generation of power at the upper powerplant. Records include flow of a small transmountain diversion from San Rafael River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 705 ft^3/s, Jun 28, 1995, gage height, 5.49 ft; minimum, 0.9 ft^3/s, Nov 3, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 620 ft^3/s, May 29, gage height, 5.50 ft; minimum daily discharge, 2.6 ft^3/s, Mar 2, 3.

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	5.2	4.0	4.0	3.7	3.4	e2.7	9.0	18	238	35	15	8.0
2	5.8	3.6	3.8	3.6	3.4	e2.6	8.8	18	214	33	15	8.0
3	6.2	e3.4	e3.6	3.7	e3.2	e2.6	7.5	19	199	32	17	7.7
4	5.7	e3.4	e3.5	3.7	e3.1	2.8	8.4	19	182	30	14	7.5
5	5.8	e3.6	e3.4	3.7	e3.2	2.8	7.6	18	173	28	13	7.5
6	5.5	e4.0	e3.4	3.6	e3.0	2.8	6.3	16	158	27	13	8.7
7	5.4	e4.2	e3.6	3.7	e3.2	2.9	6.8	17	148	27	13	7.7
8	5.3	e4.2	e3.6	3.8	e3.2	3.0	6.8	18	135	25	13	7.5
9	4.9	e4.2	e3.5	3.7	e3.3	3.2	8.5	18	122	25	13	7.6
10	4.9	4.3	e3.4	3.7	e3.3	3.5	10	16	120	24	15	11
11	4.8	4.0	e3.4	3.5	e3.4	4.1	13	16	101	23	13	8.0
12	4.7	e3.8	e3.8	3.4	3.4	4.3	15	20	102	22	12	6.8
13	4.5	4.1	3.9	3.4	3.4	4.7	17	26	92	22	11	6.0
14	4.4	3.9	3.9	3.5	3.6	4.8	18	32	84	21	11	5.8
15	4.4	e3.8	3.7	3.4	3.4	4.1	17	42	76	21	11	5.7
16	4.3	e3.6	3.7	3.4	3.2	4.2	13	52	72	20	11	5.5
17	4.3	e3.8	3.8	3.4	e3.1	e4.0	13	59	69	21	10	5.5
18	4.2	e3.6	3.8	3.5	3.2	e4.0	13	77	60	20	9.7	5.5
19	4.2	e3.6	3.6	3.4	e3.1	e4.0	11	89	54	19	9.2	5.5
20	4.1	e3.8	3.6	3.4	3.2	e4.4	12	89	51	19	9.2	5.3
21	4.1	e3.8	3.6	3.4	3.0	4.8	14	102	49	18	9.2	5.2
22	4.2	3.9	3.5	3.4	3.2	5.7	14	117	47	18	9.8	5.1
23	4.3	3.9	3.5	3.4	e2.8	e6.6	12	130	45	17	9.4	5.0
24	4.2	3.8	3.5	3.5	e2.8	e6.4	14	144	48	17	9.0	5.0
25	4.2	e3.6	3.5	3.4	3.0	e4.9	19	174	45	17	8.8	4.9
26	4.1	e3.4	3.4	3.4	2.9	e5.4	23	183	42	16	8.6	4.9
27	4.2	e3.6	3.5	3.4	2.8	e5.4	25	221	39	16	8.7	4.9
28	4.1	e3.8	3.5	3.5	2.8	e6.4	24	198	37	15	8.4	4.8
29	4.1	e3.4	3.6	3.3	---	e7.2	23	205	36	17	8.3	4.8
30	3.9	e3.8	3.5	3.3	---	e8.1	21	170	36	15	8.7	4.8
31	e3.8	---	3.6	3.5	---	e8.8	---	222	---	15	8.2	---
TOTAL	143.8	113.9	111.7	108.7	88.6	141.2	410.7	2,545	2,874	675	345.2	190.2
MEAN	4.64	3.80	3.60	3.51	3.16	4.55	13.7	82.1	95.8	21.8	11.1	6.34
MAX	6.2	4.3	4.0	3.8	3.6	8.8	25	222	238	35	17	11
MIN	3.8	3.4	3.4	3.3	2.8	2.6	6.3	16	36	15	8.2	4.8
AC-FT	285	226	222	216	176	280	815	5,050	5,700	1,340	685	377

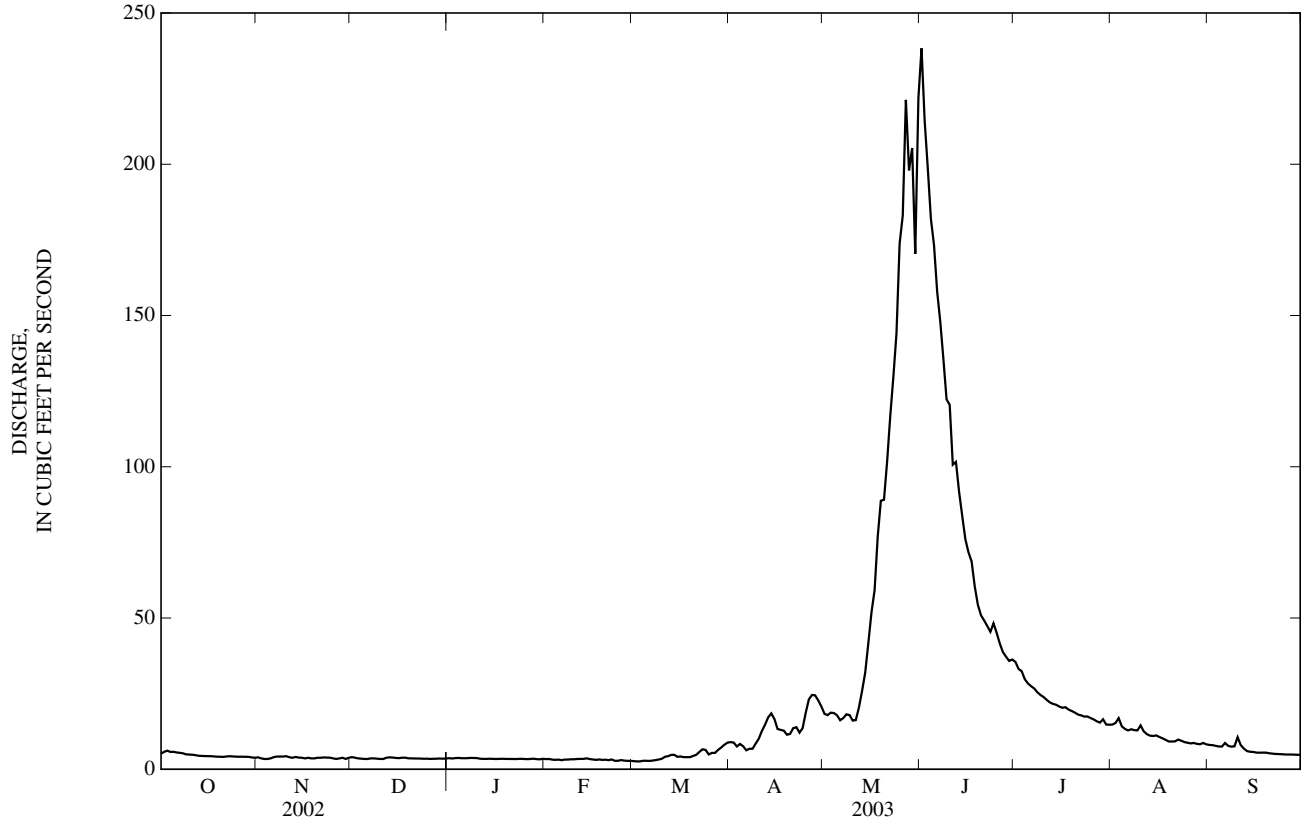
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965-74, 1979-2003, BY WATER YEAR (WY)

MEAN	8.15	6.56	5.22	4.77	4.60	6.09	18.1	98.2	130	41.9	16.1	10.3
MAX	18.6	12.5	9.85	8.79	8.46	12.3	87.4	232	317	183	42.3	26.0
(WY)	(1984)	(1985)	(1984)	(1984)	(1984)	(1986)	(1985)	(1984)	(1983)	(1995)	(1983)	(1995)
MIN	4.14	3.77	3.35	3.05	3.13	3.22	5.46	47.1	32.2	10.8	5.36	3.65
(WY)	(2001)	(1993)	(1979)	(1981)	(1967)	(1991)	(1967)	(1990)	(1966)	(2002)	(2002)	(2000)

10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965-74, 1979- 2003	
ANNUAL TOTAL	4,642.0		7,748.0			
ANNUAL MEAN	12.7		21.2		29.2	
HIGHEST ANNUAL MEAN					61.0	1984
LOWEST ANNUAL MEAN					12.8	2002
HIGHEST DAILY MEAN	107	May 20	238	Jun 1	547	Jun 28, 1995
LOWEST DAILY MEAN	3.4	Jan 31	2.6	Mar 2	1.8	Dec 13, 2000
ANNUAL SEVEN-DAY MINIMUM	3.5	Jan 30	2.7	Feb 27	2.3	Dec 9, 2000
ANNUAL RUNOFF (AC-FT)	9,210		15,370		21,190	
10 PERCENT EXCEEDS	39		50		78	
50 PERCENT EXCEEDS	4.7		5.5		8.2	
90 PERCENT EXCEEDS	3.6		3.4		4.0	

e Estimated



10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT

LOCATION.--Lat 39°09'19", long 111°52'37", in NE¼NE¼SE¼ sec. 14, T. 19 S., R. 1 W., Sanpete County, Hydrologic Unit 16030003, on left bank 1,000 ft downstream from San Pitch River and 3.2 mi west of Gunnison.

DRAINAGE AREA.--4,921 mi^2.

PERIOD OF RECORD.--March 1912 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,025 ft above NGVD of 1929, from topographic map. Prior to April 30, 1914, non-recording gage and April 30, 1914 to October 4, 1917, recording gage at site 0.5 mi upstream. October 4, 1917 to October 28, 1938 near present site (right bank) at datum 0.36 ft higher. October 28, 1938 to April 10, 1986 at same site and present datum. April 16, 1986 to June 6, 1989 recording gage at site approximately 0.8 mi downstream.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by reservoirs and many diversions for irrigation above station. Most of flow diverted above station during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,400 ft^3/s, May 29, 1984; minimum, 5.6 ft^3/s, Jul 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 459 ft^3/s, Mar 2, gage height, 5.59 ft; minimum daily discharge, 15 ft^3/s, Aug 18.

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	175	117	170	161	183	167	82	133	245	106	36	34
2	148	120	164	157	184	204	74	67	191	99	36	36
3	170	120	158	158	179	127	62	98	135	96	36	46
4	173	117	158	159	175	141	61	85	107	112	35	49
5	176	139	159	162	174	106	58	85	92	105	35	50
6	184	146	157	169	171	88	55	85	107	80	40	51
7	140	150	162	165	167	81	57	124	117	67	44	55
8	177	140	160	166	156	61	67	134	121	57	45	59
9	107	174	159	166	161	68	124	145	130	44	41	61
10	76	174	159	174	161	66	142	145	118	36	37	70
11	82	e158	161	176	168	65	156	131	114	39	34	73
12	75	155	162	181	173	72	144	129	82	49	36	73
13	75	152	160	178	184	84	169	119	65	50	35	71
14	78	157	163	176	193	106	184	121	56	48	33	69
15	70	175	168	177	205	116	219	126	51	35	32	68
16	64	148	164	170	207	103	280	204	45	35	67	76
17	106	142	166	171	200	119	261	301	44	34	25	79
18	114	147	165	170	197	150	202	239	55	33	15	73
19	104	190	157	168	192	146	203	301	67	34	18	75
20	121	154	154	171	191	152	184	279	71	35	16	89
21	116	154	e154	174	189	136	171	285	82	37	17	86
22	154	161	158	179	189	124	168	341	105	45	24	83
23	210	179	152	176	175	126	165	341	69	54	30	86
24	202	166	153	176	178	114	166	325	73	51	36	89
25	205	158	149	177	186	97	153	344	107	54	30	84
26	200	151	149	176	192	90	150	283	104	55	26	76
27	146	148	144	177	194	110	156	275	100	41	27	71
28	115	150	153	180	193	103	161	321	118	44	28	67
29	115	153	157	180	---	96	158	331	123	46	27	70
30	117	155	152	177	---	91	167	304	116	43	31	76
31	114	---	154	180	---	89	---	254	---	42	31	---
TOTAL	4,109	4,550	4,901	5,327	5,117	3,398	4,399	6,455	3,010	1,706	1,003	2,045
MEAN	133	152	158	172	183	110	147	208	100	55.0	32.4	68.2
MAX	210	190	170	181	207	204	280	344	245	112	67	89
MIN	64	117	144	157	156	61	55	67	44	33	15	34
AC-FT	8,150	9,020	9,720	10,570	10,150	6,740	8,730	12,800	5,970	3,380	1,990	4,060

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2003, BY WATER YEAR (WY)

MEAN	194	239	270	279	336	357	273	374	388	120	104	134
MAX	783	760	1,028	868	1,141	1,443	1,670	3,606	4,308	1,624	591	499
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1983)
MIN	27.1	56.0	96.7	100	97.2	74.0	70.7	56.5	40.4	25.7	16.2	17.2
(WY)	(1935)	(1935)	(1932)	(1935)	(1935)	(1935)	(1966)	(1961)	(2002)	(1960)	(1934)	(1934)

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1918 - 2003	
ANNUAL TOTAL	44,803		46,020			
ANNUAL MEAN	123		126		255	
HIGHEST ANNUAL MEAN					1,346	1984
LOWEST ANNUAL MEAN					86.5	1935
HIGHEST DAILY MEAN	450	Mar 23	344	May 25	5,400	May 29, 1984
LOWEST DAILY MEAN	15	Aug 11	15	Aug 18	6.0	Jul 18, 1977
ANNUAL SEVEN-DAY MINIMUM	17	Aug 5	21	Aug 17	6.6	Jul 14, 1977
ANNUAL RUNOFF (AC-FT)	88,870		91,280		184,800	
10 PERCENT EXCEEDS	222		191		479	
50 PERCENT EXCEEDS	117		130		187	
90 PERCENT EXCEEDS	28		38		58	

e Estimated

10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in SE¼SW¼SE¼ sec. 35, T. 16 S., R. 2 W., Juab County, Hydrologic Unit 16030005, on right bank 0.5 mi downstream from Sevier Bridge Dam and 11.6 mi southwest of Juab.

DRAINAGE AREA.--5,165 mi^2.

PERIOD OF RECORD.--September 1911 to current year.

GAGE.--Water-stage recorder and rubble masonry control since April 16, 1914. Elevation of gage is 4,940 ft above NGVD of 1929, by barometer. Prior to April 16, 1914, staff gage 500 ft upstream at different datum. April 16, 1914 to April 7, 1938, water- stage recorder at present site and datum. April 8, 1938 to March 31, 1942, water-stage recorder at site 1,300 ft upstream at different datum. April 1, 1942 to June 15, 1961, water-stage recorder on left bank same site and datum. Since June 16, 1961 water-stage recorder on right bank at different datum.

REMARKS.--Records good, except for estimated daily discharges which are fair. Flow regulated by Sevier Bridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft^3/s, Jun 25, 1983, gage height, 10.90 ft; no flow many days during April 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 826 ft^3/s, Jul 21, gage height, 6.90 ft; minimum daily discharge, 2.7 ft^3/s, Sep 24-30.

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	6.0	3.0	3.4	5.2	8.8	4.2	3.8	632	399	542	701	44
2	3.3	3.0	3.6	5.1	9.2	4.2	3.9	630	359	540	679	60
3	3.6	3.0	3.8	4.9	8.3	4.2	3.8	631	338	536	548	55
4	3.4	3.0	3.9	4.6	8.5	4.2	3.8	632	344	535	482	58
5	3.3	3.0	4.0	4.6	8.6	4.2	3.9	631	564	532	475	70
6	3.3	3.0	4.2	4.6	8.9	4.2	3.8	626	574	530	489	77
7	3.2	3.0	4.2	4.6	9.1	4.3	3.8	622	574	528	508	74
8	3.2	3.2	4.2	4.6	9.2	4.2	3.8	560	389	526	553	63
9	3.0	3.5	4.5	4.6	9.4	4.2	3.8	359	193	533	524	81
10	3.0	3.4	4.6	4.8	9.5	4.2	3.8	313	250	571	491	92
11	3.0	e2.8	4.8	4.6	9.5	4.1	3.6	232	296	569	243	83
12	3.1	3.1	5.1	4.6	9.5	3.9	3.5	188	335	568	62	91
13	3.0	3.1	5.1	4.6	9.3	3.9	3.6	188	355	564	59	86
14	3.0	3.1	5.1	4.8	8.8	3.8	3.7	190	408	562	58	81
15	3.0	3.1	5.5	5.1	8.3	3.8	3.7	190	417	557	43	75
16	3.0	3.0	5.8	5.1	8.0	3.9	3.6	190	485	598	43	59
17	3.0	3.0	5.9	5.3	7.2	4.2	3.4	190	536	813	54	91
18	3.0	3.1	5.7	5.7	7.3	3.8	3.5	300	565	804	71	84
19	3.0	3.1	5.7	5.7	7.4	3.8	3.3	375	568	797	46	80
20	3.0	3.2	5.8	5.7	7.4	3.8	3.2	450	569	783	39	80
21	3.2	3.4	e5.6	5.9	7.5	3.8	174	449	567	790	40	83
22	3.3	3.4	6.2	6.3	7.3	3.8	406	476	562	820	67	91
23	3.4	3.4	6.4	6.8	6.4	3.8	486	559	563	806	79	68
24	3.4	3.4	6.7	6.8	5.7	3.8	490	581	559	646	63	2.7
25	3.2	3.4	6.8	7.0	5.0	3.8	630	580	555	496	76	2.7
26	3.0	3.4	6.8	7.2	4.2	3.9	635	576	555	554	70	2.7
27	3.0	3.4	6.8	7.4	4.2	3.8	633	431	552	512	57	2.7
28	3.0	3.4	6.9	7.9	4.2	3.8	633	402	549	429	55	2.7
29	2.8	3.4	6.7	8.0	---	3.8	634	400	547	505	55	2.7
30	2.8	3.4	5.7	8.1	---	e3.8	634	400	544	608	55	2.7
31	3.0	---	5.6	8.5	---	3.8	---	398	---	638	49	---
TOTAL	99.5	95.7	165.1	178.7	216.7	123.0	5,428.3	13,381	14,071	18,792	6,834	1,744.9
MEAN	3.21	3.19	5.33	5.76	7.74	3.97	181	432	469	606	220	58.2
MAX	6.0	3.5	6.9	8.5	9.5	4.3	635	632	574	820	701	92
MIN	2.8	2.8	3.4	4.6	4.2	3.8	3.2	188	193	429	39	2.7
AC-FT	197	190	327	354	430	244	10,770	26,540	27,910	37,270	13,560	3,460

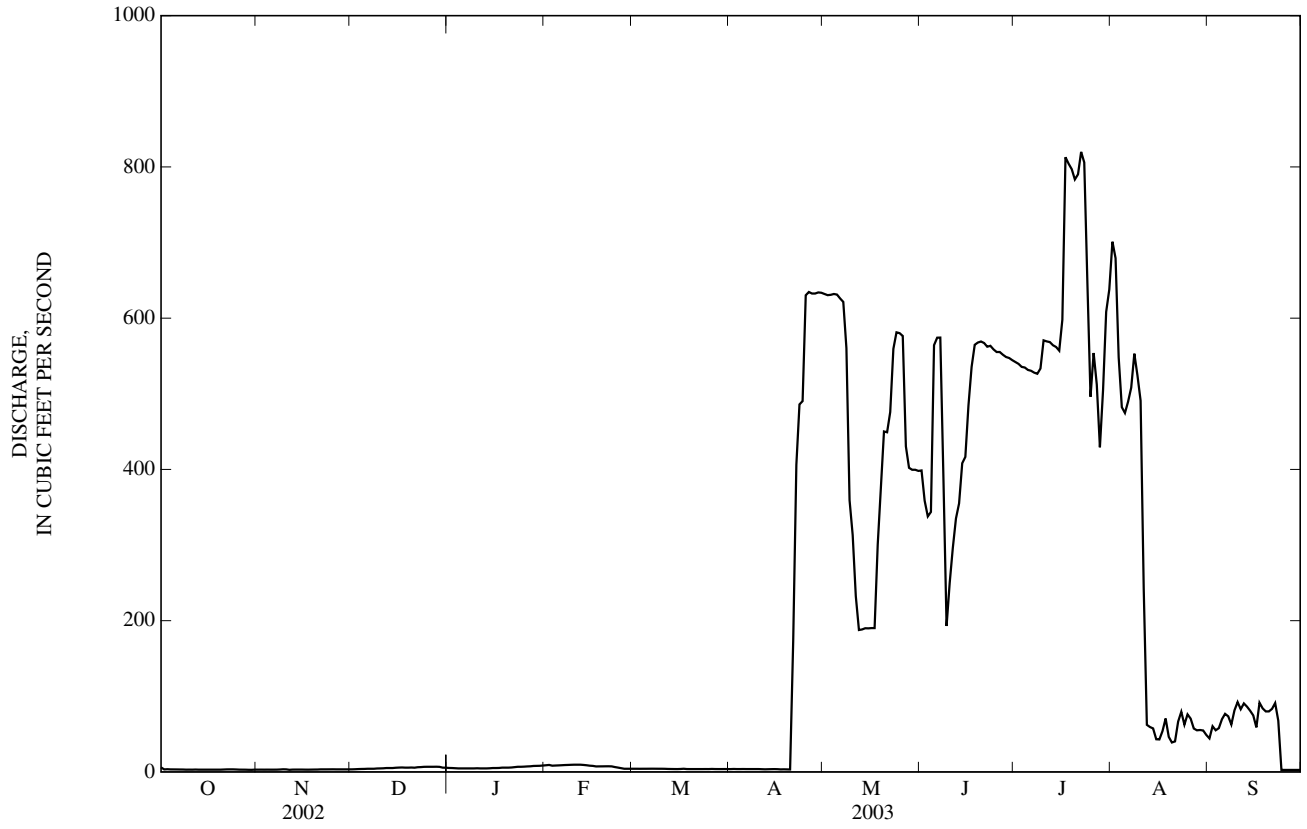
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2003, BY WATER YEAR (WY)

MEAN	60.6	35.8	38.5	65.0	74.6	123	304	719	604	540	370	162
MAX	640	439	757	1,295	1,184	1,535	1,783	3,135	4,178	3,293	1,599	737
(WY)	(1923)	(1999)	(1986)	(1984)	(1984)	(1983)	(1984)	(1984)	(1983)	(1983)	(1983)	(1923)
MIN	1.00	0.60	0.45	0.76	0.94	1.01	2.00	305	138	65.4	25.0	1.34
(WY)	(1961)	(1965)	(1965)	(1965)	(1965)	(1965)	(1941)	(1995)	(1964)	(1934)	(1934)	(1961)

10219000 SEVIER RIVER NEAR JUAB, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1912 - 2003	
ANNUAL TOTAL	53,633.6		61,129.9			
ANNUAL MEAN	147		167		259	
HIGHEST ANNUAL MEAN					1,322	1984
LOWEST ANNUAL MEAN					94.2	1961
HIGHEST DAILY MEAN	660	Apr 14	820	Jul 22	4,920	Jun 25, 1983
LOWEST DAILY MEAN	2.8	Oct 29	2.7	Sep 24	0.00	Mar 7, 1918
ANNUAL SEVEN-DAY MINIMUM	2.9	Oct 26	2.7	Sep 24	0.00	Apr 9, 1990
ANNUAL RUNOFF (AC-FT)	106,400		121,300		187,700	
10 PERCENT EXCEEDS	492		567		752	
50 PERCENT EXCEEDS	6.7		7.2		40	
90 PERCENT EXCEEDS	3.2		3.1		2.0	

e Estimated



10224000 SEVIER RIVER NEAR LYNNDYL, UT

LOCATION.--Lat 39°28'55", long 112°23'35", in NW¼NE¼SE¼ sec. 27, T. 15 S., R. 5 W., Millard County, Hydrologic Unit 16030005, on right bank 1.6 mi downstream from highway bridge and 3.5 mi southwest of Lynndyl.

DRAINAGE AREA.--5,966 mi^2.

PERIOD OF RECORD.--April 1914 to October 1919, October 1942 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 4,660 ft above NGVD of 1929, by barometer. Prior to October 1, 1979 at site 80 ft upstream. Prior to April 23, 1991 at site 80 ft downstream.

REMARKS.--Records good except for estimated days, which are fair. Flow regulated by Sevier Bridge Reservoir about 35 mi upstream (see station 10218500). Several diversions for irrigation between reservoir and station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,020 ft^3/s, Jun 15, 16, 17, 1983; minimum discharge, 2.4 ft^3/s, Jan 26, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 629 ft^3/s, Jul 24, gage height, 5.99 ft; minimum daily discharge, 10 ft^3/s, Aug 27.

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	48	46	47	e52	48	51	26	611	367	380	505	30
2	53	46	48	e52	52	51	24	608	363	371	594	31
3	61	46	48	e54	53	51	29	592	351	375	618	50
4	64	46	48	e54	51	51	29	599	326	383	517	69
5	62	46	48	53	50	53	34	585	336	372	390	56
6	51	47	47	51	50	52	37	555	494	356	378	59
7	48	47	46	51	e48	50	41	553	558	347	387	59
8	46	48	46	48	e46	49	47	565	586	338	395	58
9	45	53	50	49	e46	48	49	550	508	345	453	61
10	43	e54	52	53	e46	47	44	395	236	342	459	63
11	37	e54	49	51	e48	47	43	323	206	363	435	85
12	35	53	47	51	e49	46	41	301	266	351	295	106
13	35	50	48	49	49	41	45	221	266	355	81	113
14	41	49	47	48	50	33	46	205	285	363	36	122
15	43	48	48	49	52	33	50	211	306	366	26	117
16	44	48	49	49	53	34	48	203	324	368	24	111
17	44	48	50	49	50	37	56	194	367	365	20	95
18	44	48	54	49	49	41	57	167	416	538	17	70
19	44	48	55	49	48	40	55	214	447	578	15	e60
20	44	48	e52	48	48	38	54	343	422	584	51	e50
21	44	48	e54	50	47	34	53	392	509	583	24	41
22	44	48	e55	51	47	30	e200	401	529	585	18	44
23	45	48	e52	49	46	29	e420	399	532	619	13	68
24	46	48	e50	48	46	29	e460	447	558	621	15	89
25	46	50	e48	48	52	29	e520	492	562	532	32	83
26	46	50	e46	48	54	31	e580	500	561	360	15	46
27	47	49	e46	48	54	31	e600	503	566	376	10	32
28	47	48	e48	49	51	30	e600	401	573	441	11	31
29	51	47	e48	50	---	e32	e600	348	514	355	12	42
30	49	49	e50	50	---	e30	602	360	420	337	13	35
31	47	---	e52	49	---	27	---	367	---	456	18	---
TOTAL	1,444	1,458	1,528	1,549	1,383	1,225	5,490	12,605	12,754	13,105	5,877	1,976
MEAN	46.6	48.6	49.3	50.0	49.4	39.5	183	407	425	423	190	65.9
MAX	64	54	55	54	54	53	602	611	586	621	618	122
MIN	35	46	46	48	46	27	24	167	206	337	10	30
AC-FT	2,860	2,890	3,030	3,070	2,740	2,430	10,890	25,000	25,300	25,990	11,660	3,920

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2003, BY WATER YEAR (WY)

MEAN	65.8	73.8	74.4	99.4	131	186	301	585	543	458	310	107
MAX	516	469	728	1,218	1,134	1,514	2,087	3,243	4,702	2,842	1,644	497
(WY)	(1985)	(1985)	(1986)	(1984)	(1984)	(1983)	(1984)	(1984)	(1983)	(1983)	(1983)	(1984)
MIN	22.7	22.6	10.2	6.16	7.23	11.2	25.9	287	116	180	64.0	20.5
(WY)	(1968)	(1958)	(1963)	(1963)	(1978)	(1975)	(1952)	(1957)	(1964)	(1961)	(1965)	(1961)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1943 - 2003	
ANNUAL TOTAL	56,610		60,394			
ANNUAL MEAN	155		165		245	
HIGHEST ANNUAL MEAN					1,369	1984
LOWEST ANNUAL MEAN					103	1961
HIGHEST DAILY MEAN	599	Apr 16	621	Jul 24	5,020	Jun 15, 1983
LOWEST DAILY MEAN	14	Feb 14	10	Aug 27	4.5	Jan 1, 1964
ANNUAL SEVEN-DAY MINIMUM	14	Feb 14	15	Aug 23	4.9	Jan 22, 1980
ANNUAL RUNOFF (AC-FT)	112,300		119,800		177,700	
10 PERCENT EXCEEDS	442		511		632	
50 PERCENT EXCEEDS	55		51		74	
90 PERCENT EXCEEDS	34		34		19	

e Estimated

10234500 BEAVER RIVER NEAR BEAVER, UT

LOCATION.--Lat 38°16'50", long 112°34'03", in SW¼SE¼SE¼ sec. 18, T. 29 S., R. 6 W., Beaver County, Hydrologic Unit 16030007, on left bank 0.3 mi upstream of diversion, 0.6 mi downstream of Baker Canyon, and 4.2 mi east of Beaver.

DRAINAGE AREA.--91.0 mi^2.

PERIOD OF RECORD.--June to September 1906, March 1914 to current year.

REVISED RECORDS.--WDR UT-80-1: 1979.

GAGE.--Water-stage recorder. Crest-stage gage since May 25, 1989. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map. Prior to March 30, 1914, nonrecording gage and March 30, 1914 to October 15, 1937, water-stage recorder at site 0.1 mi downstream at different datum. October 16, 1937 to March 20, 1959, at site 0.2 mi upstream at different datum. March 21, 1959 to March 21, 1978 at site 0.5 mi upstream at different datum. March 21, 1978 to May 30, 1983, at site 0.2 mi upstream at different datum. July 15, 1983 to June 21, 1985 at present site at datum 1.0 ft higher.

REMARKS.--Records good except estimated daily discharges, which are poor. No diversion for irrigation upstream of station. Water is diverted for power generation and is returned upstream of station. Slight regulation by powerplants and several small headwater reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft^3/s, Jul 22, 1936, gage height, 7.27 ft, datum then in use, from rating curve extended above 500 ft^3/s; minimum daily, 7.2 ft^3/s, Dec 19, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	2300	*264	*2.00

No other peak greater than base discharge.

Minimum daily discharge, 14 ft^3/s, on many days in Dec, Jan, Feb, Mar, and Sep.

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	17	18	15	15	16	e16	28	35	169	62	41	26
2	19	16	15	e15	16	e16	30	36	160	61	35	30
3	19	21	e15	15	e16	e15	25	41	146	e59	31	26
4	17	20	e15	14	e16	14	22	37	135	e57	30	26
5	17	21	e15	15	e15	16	22	35	126	e56	29	25
6	18	18	e15	15	e14	16	22	34	116	55	27	25
7	19	16	14	15	e14	14	21	31	105	53	26	24
8	20	18	e15	15	e14	14	21	32	96	53	26	24
9	18	22	e15	15	e14	15	25	32	91	52	27	23
10	17	21	e15	15	e14	e16	30	31	89	51	28	22
11	16	18	e15	15	e15	e16	34	32	82	50	26	22
12	17	18	e15	15	e15	17	39	42	79	49	26	20
13	17	19	e15	15	15	18	41	52	90	49	26	20
14	18	18	e15	15	15	21	41	57	87	49	25	19
15	16	18	15	15	14	18	38	72	83	52	28	19
16	15	19	15	e15	14	18	31	93	79	51	30	18
17	18	18	15	e15	14	17	31	104	82	51	27	18
18	17	19	15	e15	15	16	30	114	94	51	26	19
19	17	20	e15	e15	14	16	27	137	91	50	26	19
20	17	18	e15	15	14	16	26	138	91	46	26	19
21	17	18	e15	15	14	16	27	156	96	47	25	18
22	18	18	e15	15	14	16	28	177	94	49	25	18
23	18	18	e15	15	e14	19	27	187	92	48	31	18
24	17	18	e15	15	e14	20	27	190	78	47	29	17
25	18	19	e15	15	14	18	31	158	70	43	26	17
26	18	e18	e15	15	14	e19	38	169	66	37	26	17
27	18	e18	e15	15	14	e19	41	189	63	37	25	17
28	17	e17	e15	15	e15	e18	41	206	61	41	24	17
29	17	17	15	15	---	17	39	189	60	35	24	14
30	17	15	e15	15	---	18	40	171	64	34	24	16
31	19	---	e15	16	---	22	---	161	---	31	24	---
TOTAL	543	552	464	465	407	527	923	3,138	2,835	1,506	849	613
MEAN	17.5	18.4	15.0	15.0	14.5	17.0	30.8	101	94.5	48.6	27.4	20.4
MAX	20	22	15	16	16	22	41	206	169	62	41	30
MIN	15	15	14	14	14	14	21	31	60	31	24	14
AC-FT	1,080	1,090	920	922	807	1,050	1,830	6,220	5,620	2,990	1,680	1,220

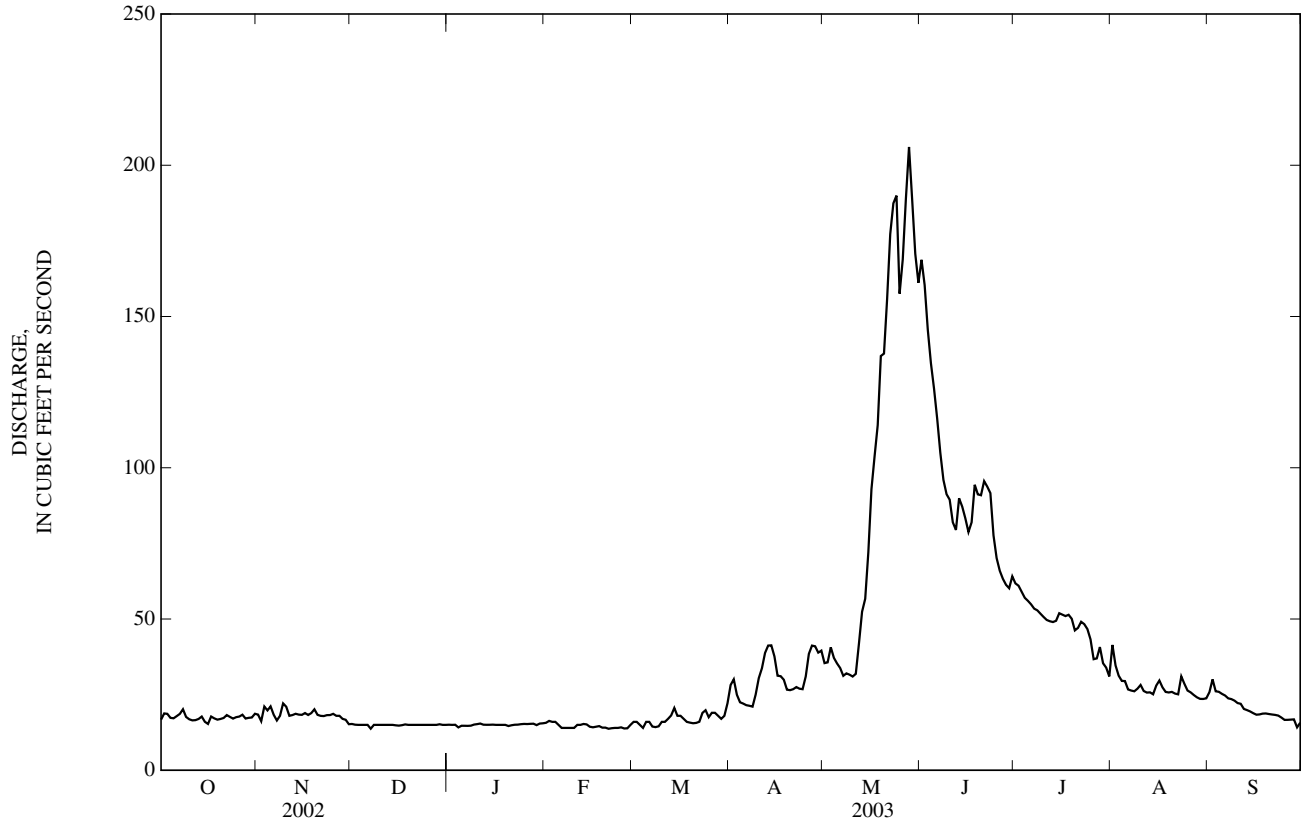
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2003, BY WATER YEAR (WY)

MEAN	23.6	21.7	19.4	18.2	18.8	22.6	53.0	166	151	63.1	36.8	25.9
MAX	41.5	47.0	37.7	27.0	27.9	44.9	117	409	638	198	98.0	63.3
(WY)	(1915)	(1984)	(1984)	(1942)	(1984)	(1916)	(1943)	(1984)	(1983)	(1983)	(1983)	(1983)
MIN	13.3	11.7	9.95	9.96	11.4	12.9	18.6	25.7	24.1	14.9	11.8	10.7
(WY)	(1978)	(1978)	(1977)	(1977)	(1977)	(1977)	(1975)	(1977)	(1934)	(1977)	(1977)	(1977)

10234500 BEAVER RIVER NEAR BEAVER, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915 - 2003	
ANNUAL TOTAL	7,488		12,822			
ANNUAL MEAN	20.5		35.1		51.8	
HIGHEST ANNUAL MEAN					119	1983
LOWEST ANNUAL MEAN					16.1	1977
HIGHEST DAILY MEAN	45	May 17	206	May 28	884	May 24, 1984
LOWEST DAILY MEAN	12	Aug 16	14	Dec 7	7.2	Dec 20, 1976
ANNUAL SEVEN-DAY MINIMUM	12	Aug 25	14	Feb 19	8.4	Dec 19, 1976
ANNUAL RUNOFF (AC-FT)	14,850		25,430		37,540	
10 PERCENT EXCEEDS	33		82		116	
50 PERCENT EXCEEDS	18		19		25	
90 PERCENT EXCEEDS	14		15		15	

e Estimated



10237000 BEAVER RIVER AT ADAMSVILLE, UT

LOCATION.--Lat 38°15'13", long 112°45'56", in NE¼SW¼SW¼ sec. 28, T. 29 S., R. 8 W., Beaver County, Hydrologic Unit 16030007, on right upstream wingwall of bridge on State Highway 21, 2.0 mi upstream from Indian Creek, and 1.6 mi east of Adamsville.

DRAINAGE AREA.--303 mi^2.

PERIOD OF RECORD.--December 1913 to September 2003 (discontinued). Monthly discharge only, October 1936 to October 1937, published in WSP 1314.

GAGE.--Water-stage recorder. Crest-stage gage since November 23, 1994. Elevation of gage is 5,550 ft above NGVD of 1929, from topographic map. Prior to September 15, 1936 water-stage recorder, September 15, 1936 to October 15, 1937 nonrecording gage, and October 16, 1937 to March 19, 1970 water-stage recorder about 1.7 mi downstream. March 20, 1970 to July 25, 1979 water-stage recorder 400 ft downstream. Sites prior to July 26, 1979 at different datums. July 26, 1979 to February 5, 1992 water-stage recorder 50 ft upstream at same datum.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s, which are poor. One small diversion between station and Minersville Reservoir. Many diversions for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,870 ft^3/s, Jun 6, 1995, gage height 5.52 ft, from rating curve extended above 1,000 ft^3/s; no flow during Aug and Sep 2002 at current site and some years when gage was 1.7 mi downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 76 ft^3/s, May 29, gage height, 4.32 ft; no flow on several days in Aug and Sep.

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

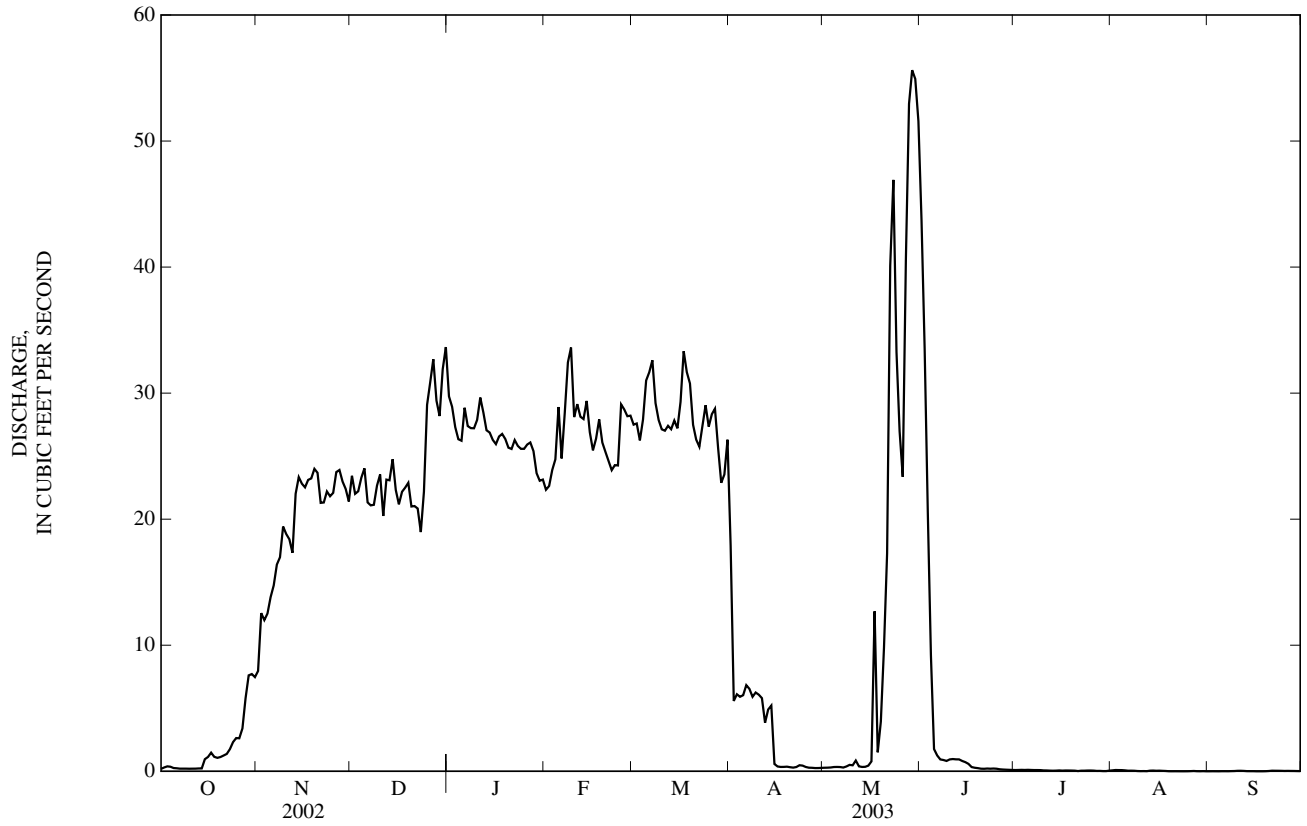
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.19	8.0	23	30	22	27	18	0.28	44	0.10	0.07	0.00
2	0.30	13	22	29	23	28	5.6	0.29	34	0.10	0.10	0.00
3	0.39	12	22	27	24	26	6.1	0.30	21	0.11	0.09	0.00
4	0.36	13	23	26	25	28	5.9	0.34	9.2	0.10	0.09	0.00
5	0.26	14	24	26	29	31	6.0	0.34	1.8	0.11	0.07	0.01
6	0.24	15	21	29	25	32	6.8	0.33	1.3	0.10	0.05	0.01
7	0.21	16	21	27	28	33	6.5	0.30	0.94	0.10	0.05	0.00
8	0.21	17	21	27	32	29	5.9	0.38	0.89	0.10	0.04	0.01
9	0.21	19	23	27	34	28	6.2	0.50	0.82	0.09	0.02	0.02
10	0.20	19	24	28	28	27	6.1	0.47	0.94	0.07	0.01	0.04
11	0.20	18	20	30	29	27	5.8	0.85	0.97	0.06	0.01	0.04
12	0.21	17	23	28	28	27	3.8	0.39	0.95	0.05	0.01	0.03
13	0.22	22	23	27	28	27	4.9	0.34	0.94	0.04	0.05	0.01
14	0.22	23	25	27	29	28	5.2	0.35	0.82	0.05	0.06	0.01
15	0.96	23	22	26	27	27	0.58	0.45	0.72	0.07	0.04	0.01
16	1.1	23	21	26	25	29	0.38	0.78	0.59	0.05	0.05	0.00
17	1.5	23	22	27	26	33	0.34	13	0.33	0.06	0.03	0.00
18	1.1	23	23	27	28	32	0.35	1.5	0.28	0.06	0.02	0.00
19	1.1	24	23	26	26	31	0.36	3.9	0.25	0.06	0.01	0.01
20	1.1	24	21	26	25	27	0.32	9.8	0.20	0.05	0.00	0.02
21	1.3	21	21	26	25	26	0.29	17	0.20	0.02	0.01	0.04
22	1.4	21	21	26	24	26	0.34	40	0.22	0.04	0.00	0.04
23	1.8	22	19	26	24	27	0.48	47	0.20	0.05	0.00	0.04
24	2.3	22	22	26	24	29	0.45	33	0.22	0.06	0.00	0.03
25	2.6	22	29	26	29	27	0.34	27	0.20	0.06	0.00	0.03
26	2.6	24	31	26	29	28	0.28	23	0.16	0.05	0.01	0.03
27	3.4	24	33	26	28	29	0.28	41	0.14	0.03	0.02	0.02
28	5.8	23	29	25	28	26	0.25	53	0.13	0.03	0.01	0.02
29	7.6	22	28	24	---	23	0.26	56	0.11	0.01	0.00	0.02
30	7.7	21	32	23	---	24	0.27	55	0.10	0.02	0.01	0.01
31	7.5	---	34	23	---	26	---	52	---	0.05	0.00	---
TOTAL	54.28	588.0	746	823	752	868	98.37	478.89	122.62	1.95	0.93	0.50
MEAN	1.75	19.6	24.1	26.5	26.9	28.0	3.28	15.4	4.09	0.063	0.030	0.017
MAX	7.7	24	34	30	34	33	18	56	44	0.11	0.10	0.04
MIN	0.19	8.0	19	23	22	23	0.25	0.28	0.10	0.01	0.00	0.00
AC-FT	108	1,170	1,480	1,630	1,490	1,720	195	950	243	3.9	1.8	1.0

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2003, BY WATER YEAR (WY)

MEAN	19.3	41.1	41.1	39.1	42.9	43.0	29.7	72.1	80.5	15.7	14.3	10.9
MAX	66.9	70.1	62.7	65.6	65.5	85.8	144	622	1,113	134	136	49.6
(WY)	(1984)	(1983)	(1985)	(1969)	(1930)	(1916)	(1984)	(1984)	(1983)	(1983)	(1936)	(1936)
MIN	0.000	18.0	18.9	19.1	21.5	22.3	1.93	0.32	0.000	0.000	0.000	0.000
(WY)	(1932)	(1991)	(1991)	(1973)	(1935)	(1935)	(1935)	(2002)	(1934)	(1934)	(1931)	(1924)

10237000 BEAVER RIVER AT ADAMSVILLE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915 - 2003	
ANNUAL TOTAL	4,786.26		4,534.54			
ANNUAL MEAN	13.1		12.4		37.4	
HIGHEST ANNUAL MEAN					180	1983
LOWEST ANNUAL MEAN					9.83	1977
HIGHEST DAILY MEAN	43	Feb 16	56	May 29	1,700	Jun 19, 1983
LOWEST DAILY MEAN	0.00	Aug 14	0.00	Aug 20	0.00	May 7, 1924
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 14	0.00	Aug 29	0.00	Aug 7, 1924
ANNUAL RUNOFF (AC-FT)	9,490		8,990		27,100	
10 PERCENT EXCEEDS	36		29		59	
50 PERCENT EXCEEDS	1.1		5.6		30	
90 PERCENT EXCEEDS	0.05		0.02		0.55	



10239000 BEAVER RIVER AT ROCKY FORD DAM, NEAR MINERSVILLE, UT

LOCATION.--Lat 38°13'03", long 112°50'22", in SE¼NW¼NW¼ sec. 11, T. 30 S., R. 9 W., Beaver County, Hydrologic Unit 16030007, on right bank, 0.5 mi downstream from Rocky Ford Dam, and 4.8 mi east of Minersville.

DRAINAGE AREA.--535 mi^2.

PERIOD OF RECORD.--December 1913 to September 1936, April 1937 to September 2003 (discontinued).

REVISED RECORDS.--WSP 1564: 1920, 1924. WDR UT-78-1: Drainage area.

GAGE.--Water-stage recorder. Concrete control since November 12, 1916. Elevation of gage is 5,400 ft above NGVD of 1929, from topographic map. Prior to June 1, 1916, at site 1,500 ft upstream at different datum.

REMARKS.-- Records good. One small diversion between dam and station. Flow regulated by Minersville Reservoir (prior to 1968 published as Rockyford Reservoir). Numerous diversions for irrigation and municipal use upstream from reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,220 ft^3/s, Jun 12, 1983, gage height, 4.74 ft, from rating curve extended above 600 ft^3/s on basis of slope-area measurement of peak flow; minimum daily discharge, 1.3 ft^3/s, Oct 24, 1914.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38 ft^3/s, May 17, gage height, 1.19 ft; minimum daily discharge, 1.8 ft^3/s, Sep 21, 30.

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	3.0	2.6	3.1	3.0	3.7	4.0	4.2	28	33	33	27	16
2	3.4	2.6	3.1	3.0	3.7	4.0	4.3	23	25	31	29	18
3	3.3	2.6	3.0	3.0	3.7	4.0	4.1	26	24	30	27	18
4	3.0	2.6	3.0	3.0	3.7	4.2	4.1	25	25	30	22	15
5	3.1	2.6	3.0	3.0	3.7	4.2	4.0	26	23	30	23	13
6	3.0	2.6	3.0	3.0	3.7	4.2	4.1	29	27	30	23	12
7	3.0	2.8	3.0	3.0	3.7	4.4	4.1	22	28	31	22	13
8	3.0	2.9	3.0	3.0	3.7	4.4	4.0	18	25	31	24	14
9	2.9	2.7	3.0	3.0	3.7	4.4	3.8	14	22	28	25	16
10	2.7	2.6	3.0	3.0	3.7	4.4	3.5	15	21	30	25	15
11	2.1	2.6	3.0	3.0	3.7	4.4	3.5	17	17	32	28	13
12	2.8	2.6	3.0	3.0	3.7	4.4	3.1	22	17	29	27	9.6
13	2.8	2.6	3.2	3.0	3.7	4.8	3.6	30	18	26	27	6.0
14	2.7	2.6	3.3	3.1	3.7	4.9	3.6	32	19	25	22	8.3
15	2.6	2.7	3.3	3.3	3.7	4.9	4.1	30	20	28	19	9.0
16	2.6	8.4	3.2	3.3	3.7	5.0	4.2	32	20	25	20	7.2
17	2.6	7.8	3.0	3.3	3.7	4.9	3.6	36	23	20	20	2.5
18	2.4	2.8	3.0	3.3	3.7	4.6	3.8	37	28	20	23	2.1
19	2.5	2.7	3.0	3.3	3.7	4.6	3.7	36	28	18	24	1.9
20	2.6	3.0	3.1	3.3	3.7	4.4	3.6	34	27	16	17	1.9
21	2.6	4.6	3.0	3.4	3.7	4.4	3.5	31	30	15	19	1.8
22	2.6	12	3.0	3.3	3.7	4.4	3.8	32	28	17	18	2.2
23	2.6	11	3.0	3.3	3.7	4.4	4.4	34	28	15	14	1.9
24	2.6	3.0	3.0	3.3	3.7	4.4	4.1	29	31	11	16	2.1
25	2.6	3.0	3.0	3.6	4.0	4.4	4.0	30	29	13	18	2.5
26	2.6	3.2	3.0	3.7	4.0	4.4	6.2	31	29	16	18	2.5
27	2.6	3.3	3.0	3.7	4.0	4.4	11	31	29	16	17	2.5
28	2.6	3.2	3.0	3.7	4.0	4.4	13	32	30	17	17	2.4
29	2.6	3.2	3.0	3.7	---	4.4	18	34	33	22	18	1.9
30	2.6	3.0	3.0	3.7	---	4.4	23	36	33	28	20	1.8
31	2.6	---	3.0	3.7	---	4.4	---	34	---	29	18	---
TOTAL	84.7	113.9	94.3	101.0	104.8	137.5	168.0	886	770	742	667	233.1
MEAN	2.73	3.80	3.04	3.26	3.74	4.44	5.60	28.6	25.7	23.9	21.5	7.77
MAX	3.4	12	3.3	3.7	4.0	5.0	23	37	33	33	29	18
MIN	2.1	2.6	3.0	3.0	3.7	4.0	3.1	14	17	11	14	1.8
AC-FT	168	226	187	200	208	273	333	1,760	1,530	1,470	1,320	462

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-1936, 1938-2003, BY WATER YEAR (WY)

MEAN	12.1	10.1	10.9	11.7	11.5	15.1	27.9	94.8	106	82.8	64.7	34.4
MAX	57.8	51.8	97.8	121	55.8	76.7	196	457	926	215	143	145
(WY)	(1938)	(1984)	(1942)	(1984)	(1985)	(1983)	(1984)	(1984)	(1983)	(1983)	(1986)	(1999)
MIN	2.73	3.19	2.67	2.95	3.54	4.44	5.60	27.8	21.0	7.84	7.61	4.59
(WY)	(2003)	(1978)	(1978)	(1978)	(1978)	(2003)	(2003)	(1977)	(1919)	(1919)	(1919)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915-36, 38-2003	
ANNUAL TOTAL	5,662.1		4,102.3			
ANNUAL MEAN	15.5		11.2		40.1	
HIGHEST ANNUAL MEAN					163	1983
LOWEST ANNUAL MEAN					11.2	2003
HIGHEST DAILY MEAN	58	Jun 1	37	May 18	1,210	Jun 20, 1983
LOWEST DAILY MEAN	2.1	Oct 11	1.8	Sep 21	1.3	Oct 24, 1914
ANNUAL SEVEN-DAY MINIMUM	2.5	Sep 19	2.0	Sep 18	1.5	Oct 24, 1914
ANNUAL RUNOFF (AC-FT)	11,230		8,140		29,020	
10 PERCENT EXCEEDS	42		29		101	
50 PERCENT EXCEEDS	5.8		4.1		13	
90 PERCENT EXCEEDS	2.7		2.6		4.4	

10242000 COAL CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°40'20", long 113°02'02", in SE¼SE¼NE¼ sec. 13, T. 36 S., R. 11 W., Iron County, Hydrologic Unit 16030006, on right bank 1.2 mi east of Cedar City, and 3.7 mi downstream from the mouth of Right Hand Creek.

DRAINAGE AREA.--80.9 mi^2.

PERIOD OF RECORD.--May to September 1915 (gage heights and discharge measurements only), October 1915 to July 1916, September 1916 to July 1918, September 1918 to November 1919, May 1935 to September 1937, April 1938 to current year. Records prior to November 1919 exclude flow of power canal; records would be equivalent if flow in canal were added.

REVISED RECORD.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since August 1, 1989. Concrete control since July 1972, rebuilt July 29, 1988. Elevation of gage is 6,000 ft above NGVD of 1929, from topographic map. Prior to March 30, 1939, nonrecording gages. March 30, 1939 to May 14, 1945, water-stage recorder at several sites about 0.5 mi upstream at various datums. May 15, 1945 to October 10, 1951 and May 4 to July 2, 1952, water-stage recorder at site 2 mi upstream at different datum. July 3, 1952 to November 17, 1967, water-stage recorder at site 600 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion upstream of station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,620 ft^3/s, Jul 23, 1969, gage height, 11.67 ft, from flood-mark, based on slope-area measurement of Jul 16, 1967 and applied to site and datum now in use; minimum, 0.3 ft^3/s, Nov 5, 14, 17, 26, 1959, Feb 17, 1960, Feb 24, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jul 27	1845	*422	*6.62				

Minimum discharge, 2.5 ft^3/s, Apr 6.

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	10	8.8	10	e12	e9.0	8.7	24	47	67	e10	e18	8.4
2	19	8.9	9.3	e11	e10	10	19	50	57	9.8	26	8.6
3	35	e8.0	e9.0	11	e9.0	9.3	13	60	50	9.9	11	8.4
4	e20	e8.0	e9.0	10	e8.0	9.2	11	46	45	9.6	9.8	9.2
5	27	e8.0	10	11	e7.5	8.9	12	45	40	8.7	9.1	9.1
6	24	e8.0	11	11	e6.5	9.3	11	52	35	8.6	8.6	15
7	19	8.3	9.8	12	e5.0	9.1	11	56	32	8.9	8.2	11
8	16	8.6	e9.0	12	e6.0	10	14	48	30	8.5	7.4	8.7
9	13	10	e8.5	11	e7.5	13	21	39	29	8.1	e7.0	8.5
10	12	9.6	e9.0	10	e8.5	17	24	38	27	7.9	e6.5	8.4
11	12	8.6	11	10	e9.5	20	27	52	25	7.3	e6.0	8.3
12	9.0	e8.5	e11	9.3	e10	20	32	75	24	6.3	6.0	8.2
13	8.4	8.8	12	9.4	e11	22	35	93	22	6.2	6.0	8.0
14	8.2	8.3	12	e9.2	e12	22	38	91	20	5.9	6.1	7.9
15	8.0	8.4	9.8	9.5	e13	19	35	153	18	5.7	20	8.0
16	7.9	e8.5	9.5	e10	e13	16	25	164	17	5.9	15	7.9
17	7.9	8.6	10	13	e15	14	26	141	17	e6.0	9.9	7.8
18	8.0	e8.5	e12	11	e14	8.8	23	143	17	e6.0	8.6	7.8
19	7.6	e8.5	e10	12	e13	10	21	136	16	e7.0	9.5	7.8
20	7.7	e8.5	e10	11	e13	13	22	131	15	8.9	9.7	7.7
21	7.7	e8.5	e9.0	11	e12	14	24	129	14	15	8.9	7.8
22	8.6	8.8	e9.0	9.8	e12	18	22	123	14	11	9.5	7.9
23	8.4	8.9	e9.0	8.8	e12	28	20	118	13	14	11	7.8
24	8.2	8.4	e9.0	8.8	e12	26	26	128	14	13	11	7.8
25	8.0	8.6	e9.0	8.9	e17	22	39	136	13	11	9.4	7.8
26	8.3	e8.0	e10	8.7	e12	24	45	107	12	10	9.0	7.7
27	10	e8.0	e10	8.9	e9.0	21	48	103	11	26	20	7.7
28	9.2	e8.0	e11	9.1	e8.0	13	50	99	11	e13	13	7.6
29	9.2	e8.0	e11	8.7	---	12	53	96	e11	e10	9.0	7.6
30	8.3	11	e12	e9.0	---	16	52	87	e10	e20	8.7	7.6
31	8.7	---	12	e9.0	---	24	---	78	---	e14	8.4	---
TOTAL	374.3	257.6	312.9	316.1	294.5	487.3	823	2,864	726	312.2	326.3	252.0
MEAN	12.1	8.59	10.1	10.2	10.5	15.7	27.4	92.4	24.2	10.1	10.5	8.40
MAX	35	11	12	13	17	28	53	164	67	26	26	15
MIN	7.6	8.0	8.5	8.7	5.0	8.7	11	38	10	5.7	6.0	7.6
AC-FT	742	511	621	627	584	967	1,630	5,680	1,440	619	647	500

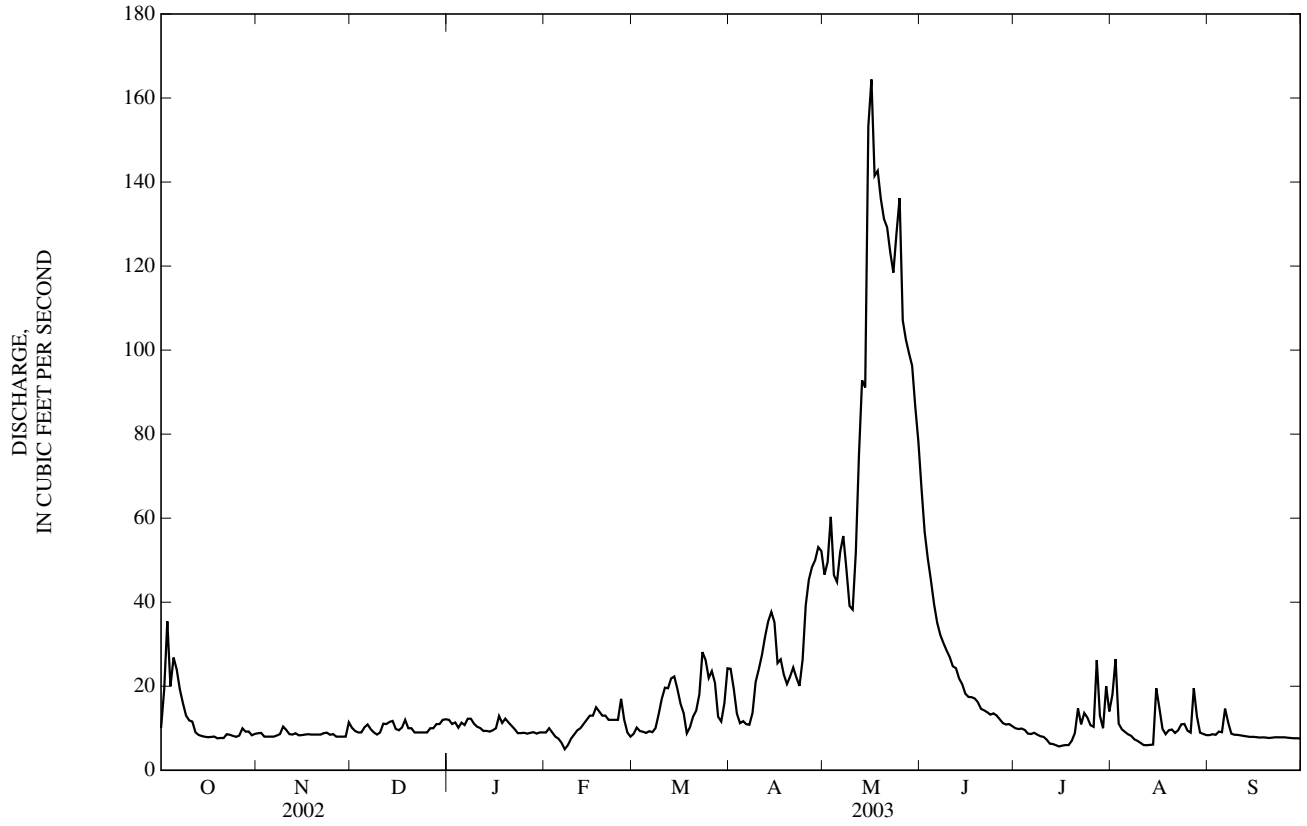
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	12.5	11.5	10.4	10.0	11.8	18.1	54.8	143	68.7	22.2	17.0	13.9
MAX	38.4	24.1	21.3	17.7	18.6	39.5	140	489	428	69.9	59.7	46.8
(WY)	(1973)	(1988)	(1984)	(1984)	(1947)	(1995)	(1985)	(1973)	(1983)	(1983)	(1968)	(1998)
MIN	6.17	5.95	5.78	6.41	7.40	9.10	17.1	12.3	7.53	6.75	5.81	6.33
(WY)	(1991)	(1978)	(1991)	(1951)	(1960)	(1951)	(1975)	(2002)	(2002)	(2002)	(2002)	(1956)

10242000 COAL CREEK NEAR CEDAR CITY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	3,654.4		7,346.2			
ANNUAL MEAN	10.0		20.1		32.9	
HIGHEST ANNUAL MEAN					86.0	1983
LOWEST ANNUAL MEAN					9.60	2002
HIGHEST DAILY MEAN	45	Sep 7	164	May 16	1,080	May 31, 1983
LOWEST DAILY MEAN	5.0	Aug 20	5.0	Feb 7	2.1	Nov 3, 1990
ANNUAL SEVEN-DAY MINIMUM	5.2	Aug 15	6.0	Jul 12	2.5	Oct 28, 1990
ANNUAL RUNOFF (AC-FT)	7,250		14,570		23,830	
10 PERCENT EXCEEDS	16		45		74	
50 PERCENT EXCEEDS	8.6		10		13	
90 PERCENT EXCEEDS	5.9		7.8		7.8	

e Estimated



402427109260201 ASHLEY CREEK ABOVE PIPELINE DIVERSION NR NAPLES, UT

LOCATION.--Lat 40°24'27", long 109°26'02", in SE¼SW¼SW¼ sec. 10, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on left bank east of Naples.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May to November, 2002 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 26 ft^3/s, Oct 3, 2002; minimum daily discharge, 0.21 ft^3/s, Sep 1, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 26 ft^3/s, Oct. 3; minimum daily discharge, 1.6 ft^3/s, Oct. 12.

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	9.6	6.2	---	---	---	---	---	---	---	---	---	---
2	7.4	5.9	---	---	---	---	---	---	---	---	---	---
3	26	7.7	---	---	---	---	---	---	---	---	---	---
4	10	8.2	---	---	---	---	---	---	---	---	---	---
5	7.0	6.6	---	---	---	---	---	---	---	---	---	---
6	5.6	7.2	---	---	---	---	---	---	---	---	---	---
7	11	8.8	---	---	---	---	---	---	---	---	---	---
8	8.9	11	---	---	---	---	---	---	---	---	---	---
9	8.6	22	---	---	---	---	---	---	---	---	---	---
10	9.2	11	---	---	---	---	---	---	---	---	---	---
11	6.5	8.6	---	---	---	---	---	---	---	---	---	---
12	1.6	8.7	---	---	---	---	---	---	---	---	---	---
13	4.6	9.6	---	---	---	---	---	---	---	---	---	---
14	14	e11	---	---	---	---	---	---	---	---	---	---
15	19	---	---	---	---	---	---	---	---	---	---	---
16	16	---	---	---	---	---	---	---	---	---	---	---
17	12	---	---	---	---	---	---	---	---	---	---	---
18	7.9	---	---	---	---	---	---	---	---	---	---	---
19	4.9	---	---	---	---	---	---	---	---	---	---	---
20	5.7	---	---	---	---	---	---	---	---	---	---	---
21	6.8	---	---	---	---	---	---	---	---	---	---	---
22	8.5	---	---	---	---	---	---	---	---	---	---	---
23	6.9	---	---	---	---	---	---	---	---	---	---	---
24	6.7	---	---	---	---	---	---	---	---	---	---	---
25	8.2	---	---	---	---	---	---	---	---	---	---	---
26	13	---	---	---	---	---	---	---	---	---	---	---
27	14	---	---	---	---	---	---	---	---	---	---	---
28	16	---	---	---	---	---	---	---	---	---	---	---
29	9.7	---	---	---	---	---	---	---	---	---	---	---
30	7.9	---	---	---	---	---	---	---	---	---	---	---
31	7.1	---	---	---	---	---	---	---	---	---	---	---
MEAN	9.69	---	---	---	---	---	---	---	---	---	---	---
MAX	26	---	---	---	---	---	---	---	---	---	---	---
MIN	1.6	---	---	---	---	---	---	---	---	---	---	---

e Estimated

402427109260201 ASHLEY CREEK ABOVE PIPELINE DIVERSION NEAR NAPLES, UT—Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--May 2002 to November 2002 (discontinued).

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)	Selenium, water, fltrd, ug/L (01145)
OCT											
02...	1215	3.82	4.3	638	137	11.5	7.5	1,800	14.8	1,480	80.3
10...	1200	--	5.3	--	--	--	8.4	1,640	13.5	1,460	56.5
23...	0935	3.94	7.2	637	109	10.2	7.9	1,790	9.8	1,490	62.0
NOV											
14...	0910	3.98	11	--	--	10.4	8.3	1,730	3.8	1,460	44.3

403258112123201 BIG SPRING IN PINE CANYON NEAR TOOELE, UT

LOCATION.--Lat 40°32'58", long 112°12'32, in SE¼NE¼NW¼ sec. 20, T. 3 S., R. 3 W., Tooele County, Hydrologic Unit 16020304.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Owned by Kennecott Utah Copper. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3.0 ft^3/s, Jun 2, 2001; minimum discharge, 0.27 ft^3/s, Dec 28, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1.5 ft^3/s, Jun 4-10, gage height, 0.53 ft; minimum discharge, 0.27 ft^3/s, Dec. 28.

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	0.59	0.51	0.48	0.40	0.36	0.36	0.46	0.74	1.4	0.55	e0.40	0.53
2	0.60	0.51	0.48	0.40	0.40	0.36	0.46	0.75	1.4	0.55	e0.40	0.55
3	0.56	0.51	0.48	0.40	0.37	0.35	0.48	0.77	1.4	0.55	e0.40	0.55
4	0.55	0.51	0.48	0.39	0.36	0.37	0.46	0.80	1.4	0.54	e0.40	0.52
5	0.55	0.51	0.48	0.38	0.35	0.36	0.48	0.81	1.5	0.51	0.40	0.48
6	0.55	0.51	0.48	0.37	0.35	0.35	0.47	0.79	1.5	0.50	0.40	0.48
7	0.55	0.52	0.48	0.37	0.35	0.36	0.47	0.78	1.5	0.48	0.40	0.48
8	0.55	0.52	0.48	0.37	0.35	0.37	0.46	0.80	1.5	0.45	0.40	0.48
9	0.55	0.51	0.48	0.37	0.35	0.37	0.46	0.81	1.5	0.43	0.40	0.46
10	0.54	0.51	0.46	0.37	0.35	0.39	0.48	0.81	1.5	0.43	0.42	0.47
11	0.52	0.51	0.46	0.37	0.35	0.37	0.48	0.81	1.4	0.43	0.43	0.46
12	0.51	0.51	0.46	0.37	0.35	0.37	0.47	0.81	1.4	0.43	0.43	0.46
13	0.51	0.51	0.46	0.37	0.35	0.37	0.48	0.81	1.3	0.43	0.43	0.48
14	0.51	0.51	0.43	0.37	0.35	0.38	0.48	0.81	1.3	0.42	0.43	0.47
15	0.51	0.51	0.41	0.37	0.35	0.40	0.50	0.83	1.2	0.40	0.43	0.46
16	0.51	0.51	0.40	0.37	0.37	0.41	0.49	0.84	1.2	0.40	0.46	0.46
17	0.51	0.51	0.40	0.37	0.38	0.41	0.50	0.84	1.1	0.40	0.46	0.46
18	0.51	0.51	0.40	0.37	0.37	0.42	0.51	0.88	1.1	0.40	0.46	0.46
19	0.51	0.51	0.40	0.37	0.37	0.40	0.51	0.88	1.00	0.40	0.46	0.46
20	0.51	0.51	0.40	0.37	0.37	0.41	0.52	0.87	0.94	0.40	0.46	0.46
21	0.52	0.50	0.40	0.37	0.37	0.43	0.55	0.90	0.88	0.40	0.47	0.46
22	0.55	0.48	0.40	0.37	0.37	0.43	0.59	0.97	0.83	0.39	0.49	0.46
23	0.54	0.48	0.40	0.37	0.37	0.43	0.61	1.0	0.79	0.39	0.48	0.46
24	0.51	0.49	0.40	0.37	0.37	0.43	0.62	1.1	0.74	0.41	0.48	0.46
25	0.51	0.48	0.40	0.37	0.37	0.44	0.64	1.1	0.70	0.42	0.48	0.46
26	0.51	0.48	0.40	0.37	0.36	0.47	0.67	1.2	0.64	0.40	0.50	0.48
27	0.51	0.48	0.40	0.37	0.35	0.46	0.68	1.2	0.63	0.39	0.53	0.46
28	0.51	0.48	0.40	0.38	0.35	0.46	0.71	1.2	0.61	e0.39	0.52	0.48
29	0.51	0.48	0.40	0.37	---	0.46	0.71	1.3	0.60	e0.39	0.53	0.48
30	0.51	0.48	0.40	0.37	---	0.46	0.74	1.3	0.59	e0.39	0.54	0.48
31	0.51	---	0.40	0.37	---	0.46	---	1.4	---	e0.39	0.51	---
TOTAL	16.39	15.05	13.40	11.60	10.11	12.51	16.14	28.91	33.55	13.46	14.00	14.31
MEAN	0.53	0.50	0.43	0.37	0.36	0.40	0.54	0.93	1.12	0.43	0.45	0.48
MAX	0.60	0.52	0.48	0.40	0.40	0.47	0.74	1.4	1.5	0.55	0.54	0.55
MIN	0.51	0.48	0.40	0.37	0.35	0.35	0.46	0.74	0.59	0.39	0.40	0.46

CAL YR 2002 TOTAL 276.81 MEAN 0.76 MAX 2.1 MIN 0.40
WTR YR 2003 TOTAL 199.43 MEAN 0.55 MAX 1.5 MIN 0.35

e Estimated

403835112171801 MILL SPRING NEAR ERDA, UT

LOCATION.--Lat 40°38'35", long 112°17'18, in SW¼NE¼SW¼ sec. 15, T. 2 S., R. 4 W., Tooele County, Hydrologic Unit 16020304.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,300 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 16.0 ft^3/s, Jul 17, 2002; mininum daily discharge, .67 ft^3/s, Oct 14, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 12 ft^3/s, on several days in Nov, Aug, Sep; minimum daily discharge, 2.7 ft^3/s, Jun 17.

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	8.0	7.6	8.6	8.1	8.8	9.1	6.3	e6.0	e7.3	6.7	11	12
2	7.8	7.6	8.6	8.1	9.8	9.4	8.3	e6.2	e7.5	6.4	11	12
3	7.5	7.7	8.5	8.1	9.6	9.7	8.1	e6.3	e7.7	6.4	11	12
4	7.3	8.0	8.4	8.1	9.4	9.4	8.5	e6.3	e7.8	6.3	11	12
5	7.3	8.0	8.5	8.1	9.1	9.4	8.7	e6.3	e7.9	6.5	11	12
6	7.3	8.1	8.5	8.1	8.8	9.4	8.7	e6.5	e7.9	6.8	11	12
7	7.3	8.5	8.5	8.1	8.7	9.7	4.4	e7.0	e8.0	7.2	11	12
8	7.3	11	8.4	8.1	8.6	9.8	6.8	e6.9	e8.0	7.2	11	12
9	7.4	12	8.4	8.0	8.7	9.7	8.3	e7.0	e8.2	7.3	11	12
10	7.5	12	8.5	8.1	8.8	9.7	8.2	e7.1	e8.3	7.7	11	12
11	7.4	10	8.5	8.3	8.9	9.8	8.1	e7.0	e8.5	8.1	11	12
12	7.2	8.7	8.5	8.4	8.6	9.6	7.9	e6.8	8.7	8.0	11	12
13	7.1	8.5	8.5	8.4	8.5	9.2	7.7	e7.1	8.1	8.0	12	11
14	7.1	8.4	8.5	8.8	8.5	9.4	3.5	e7.1	7.5	7.8	11	11
15	7.0	8.4	8.3	9.0	8.7	9.8	4.9	e7.0	7.6	4.5	e10	11
16	7.0	8.4	8.2	8.8	8.9	9.6	7.9	e6.9	8.1	4.9	e11	11
17	7.0	8.4	8.3	8.7	8.9	9.6	7.0	e7.0	2.7	6.9	e11	11
18	7.1	8.4	8.3	8.7	9.2	9.2	5.9	e6.9	5.1	7.6	12	11
19	7.0	8.4	8.2	8.9	8.9	9.4	5.8	e6.8	7.6	8.5	10	11
20	7.2	8.4	8.1	8.7	8.9	7.9	2.9	e7.1	7.1	8.4	9.3	11
21	7.3	8.4	8.1	8.4	8.9	8.1	e4.2	e7.0	6.9	8.2	12	11
22	7.3	9.4	8.3	8.3	8.8	8.1	e5.1	e6.9	6.9	4.9	12	12
23	7.3	11	8.2	8.3	9.1	8.2	5.8	e7.1	7.4	6.8	12	12
24	7.4	12	8.1	8.5	9.1	8.1	5.9	e7.0	6.5	9.6	12	12
25	7.5	11	8.1	8.5	9.1	8.3	5.7	e6.9	8.2	10	12	12
26	7.7	8.9	8.1	8.6	9.2	8.4	5.8	e7.1	7.9	11	12	12
27	8.0	8.6	8.2	8.7	9.3	8.1	5.8	e7.0	7.0	11	12	12
28	7.7	8.6	8.1	9.2	9.1	e7.9	5.8	e7.0	6.8	11	12	12
29	7.4	8.5	7.9	8.6	---	e7.5	e6.0	e6.9	6.9	8.4	12	12
30	7.3	8.5	8.0	8.6	---	e7.3	e6.0	e7.0	7.1	8.7	12	7.7
31	7.5	---	8.2	8.6	---	e7.0	---	e7.3	---	10	12	---
MEAN	7.36	9.05	8.31	8.45	8.96	8.90	6.47	6.85	7.37	7.77	11.3	11.6
MAX	8.0	12	8.6	9.2	9.8	9.8	8.7	7.3	8.7	11	12	12
MIN	7.0	7.6	7.9	8.0	8.5	7.0	2.9	6.0	2.7	4.5	9.3	7.7

CAL YR 2002 MEAN 9.74 MAX 16 MIN 0.94
WTR YR 2003 MEAN 8.52 MAX 12 MIN 2.7

e Estimated

STATION NUMBER	STATION NAME	DATE	(CFS) DISCHARGE SO. TO NO.	(CFS) DISCHARGE NO. TO SO.
10010020	GSL UPR CAUSEWAY BREACH AT LAKESIDE, UT	10/18/02	770	202
		01/09/03	888	136
		02/26/03	1200	103
		05/13/03	1190	60
		07/08/03	1240	0
		09/04/03	428	49
10010030	GSL UPR N CAUSEWAY, WEST CULVERT	10/18/02	0	72
		01/08/03	0	59
		02/26/03	0	46
		05/13/03	0	164
		07/08/03	0	170
		09/04/03	0	121
10010040	GSL UPR N CAUSEWAY, EAST CULVERT	01/08/03	88	54
		02/26/03	82	43
		05/13/03	68	50
		07/08/03	94	117
		09/04/03	84	123

DISCHARGE MEASUREMENTS AT SELECTED SPRINGS AND TUNNELS, WATER YEAR 2003

Station number	Local Number	Name	Date	Discharge (gallons per minute)
		TOOELE COUNTY		
403636112152401	(C- 2- 4)26ddd-S1	Rose Spring	10-20-2002	155.
			12-06-2002	155.
			01-19-2003	167.
			05-27-2003	167.
			07-15-2003	62.4
			09-09-2003	31.4
403457112113401	(C- 3- 3) 4ccb	Pasa Canyon Tunnel	10-25-2002	69.1
			04-28-2003	58.7
			07-21-2003	80.1
403309112115501	(C- 3- 3)17ddc	Bingham West Dip Tunnell	10-30-2002	122.
			01-29-2003	115.
			04-28-2003	110.
			07-21-2003	110.
403109112153003	(C- 3- 4)35aac- 3	Middle Canyon Weir Box	10-30-2002	274.
			12-06-2002	194.
			01-29-2003	194.
			03-13-2003	194.
			05-27-2003	140.

MONTHLY MEAN DISCHARGES AT SELECTED SPRINGS, TUNNELS, AND MINE WORKINGS, WATER YEAR 2003

Station number	Local Number	Name	Date	Discharge (gallons per minute)
		MONTHLY MEAN DISCHARGE SALT LAKE COUNTY		
403139112054601	(C- 3- 2)29cbd- 1	Bingham Tunnel reported by Kennecott Utah Copper	10-31-2002	925.
			11-30-2002	990.
			12-31-2002	967.
			01-31-2003	914.
			02-28-2003	966.
			03-31-2003	969.
			04-30-2003	974.
			05-31-2003	970.
			06-30-2003	952.
			07-31-2003	1030.
			08-31-2003	1030.
			09-30-2003	879.
403140112054601	(C- 3- 2)29cbd- 2	Lark Shaft reported by Kennecott Utah Copper	10-31-2002	0.
			11-30-2002	0.
			12-31-2002	990.
			01-31-2003	887.
			02-28-2003	816.
			03-31-2003	922.
			04-30-2003	683.
			05-31-2003	349.
			06-30-2003	213.
			07-31-2003	792.
			08-31-2003	922.
			09-30-2003	1030.
403225112085701	(C- 3- 3)23cdc- 1	North Ore Shoot reported by Kennecott Utah Copper	10-31-2002	1350.
			11-30-2002	1070.
			12-31-2002	1350.
			01-31-2003	1280.
			02-28-2003	1310.
			03-31-2003	1300.
			04-30-2003	900.
			05-31-2003	870.
			06-30-2003	230.
			07-31-2003	1080.
			08-31-2003	1510.
			09-30-2003	1500.
402923112072301	(C- 4- 3)12aac	Butterfield Tunnel reported by Kennecott Utah Copper	10-31-2002	142.
			11-30-2002	156.
			12-31-2002	144.
			03-31-2003	136.
			04-30-2003	136.
			06-30-2003	136.
			09-30-2003	121.

MONTHLY MEAN DISCHARGES AT SELECTED SPRINGS, TUNNELS, AND MINE WORKINGS, WATER YEAR 2003

Station number	Local Number	Name	Date	Discharge (gallons per minute)
		MONTHLY MEAN DISCHARGE TOOELE COUNTY		
403151112112001	(C- 3- 3)28bcd- 2	Carr Fork Service Shaft reported by Kennecott Utah Copper	10-31-2002	1540.
			11-30-2002	306.
			12-31-2002	855.
			01-31-2003	1380.
			02-28-2003	1430.
			03-31-2003	1310.
			04-30-2003	1370.
			05-31-2003	1180.
			06-30-2003	1050.
			07-31-2003	0.
			08-31-2003	0.
			09-30-2003	1230.
403119112154204	(C- 3- 4)35aba-S	Middle Canyon Springs (Combined flow of Big and Little Springs) reported by Tooele City	10-31-2002	0.
			11-30-2002	0.
			12-31-2002	0.
			01-31-2003	0.
			02-28-2003	0.
			03-31-2003	0.
			04-30-2003	0.
			05-31-2003	0.
			06-30-2003	0.
			07-31-2003	0.
			08-31-2003	0.
			09-30-2003	0.
402932112155401	(C- 4- 4)11baa-S1	Left Hand Fork Settlement Canyon reported by Tooele City	10-31-2002	381.
			11-30-2002	406.
			12-31-2002	360.
			01-31-2003	348.
			02-28-2003	278.
			03-31-2003	276.
			04-30-2003	302.
			05-31-2003	263.
			06-30-2003	321.
			07-31-2003	385.
			08-31-2003	474.
			09-30-2003	486.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 2003

STREAM	TRIBUTARY TO	LOCATION	MEASUREMENTS DATE	MEASUREMENTS DISCHARGE (ft^3/s)
		SEVIER LAKE BASIN		
Manti Creek	Sevier River	Lat 39°15'23", long 111°37'16"		
		Sanpete County		
		Upstream of diversion	02-26-03	3.14
			08-20-03	12.40
		Downstream of diversion	02-26-03	0.43
			08-20-03	6.88
		TOOELE BASIN		
Faust Creek		Lat 40°09'38", long 112°25'49"		
10172727		Tooele County	04-10-2003	0.89
		Approx 1 mile north of Faust, Ut	05-22-2003	0.49
			06-04-2003	0.27
			07-23-2003	0.10
			09-08-2003	0.04

BEAVER COUNTY

382046112592701. LOCAL NUMBER, (C-28-10)29add-1.

LOCATION.--Lat 38°20'46", Long 112°59'27", Hydrologic Unit 16030007. Owner: Wiseman.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in., hole depth 543 ft, cased to 480 ft.

DATUM.--Elevation of land-surface datum is 4,999 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are poor.

PERIOD OF RECORD.--May 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 58.42 ft below land-surface datum, Apr 3, 2002; lowest, 108.50 ft below land-surface datum, Aug 31, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	81.26	66.44	64.67	63.07	61.26	59.64	58.83	85.50	e101.5	e105.1	e106.6	106.15
10	72.50	66.08	64.19	62.82	61.03	59.40	65.17	86.06	e98.4	e105.4	e106.8	93.65
15	69.14	65.76	64.02	62.35	60.71	59.11	69.08	94.72	e97.1	e105.6	107.19	76.89
20	68.02	65.41	63.73	62.16	60.44	58.99	66.18	100.38	97.78	e105.8	106.62	70.23
25	67.54	65.06	63.61	61.81	60.20	58.75	68.45	99.13	99.20	e106.1	108.15	e67.7
EOM	66.87	64.90	63.24	61.62	59.75	58.50	75.13	e99.2	e104.9	e106.3	108.39	e75.7

e Estimated

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	80.29	70.21	68.57	67.51	66.58	65.82	64.95	93.45	116.14	127.63	124.59	103.41
10	76.30	69.60	68.29	67.37	66.44	65.69	64.96	e86.3	104.64	129.18	128.02	100.09
15	74.75	69.30	68.11	67.19	66.33	65.44	75.46	e94.8	102.20	128.39	129.76	106.87
20	72.96	69.03	67.95	66.99	66.16	65.42	77.29	e103.3	108.13	119.33	129.80	111.63
25	71.84	68.90	67.90	66.94	65.99	65.31	79.79	110.73	117.82	103.10	125.61	105.90
EOM	70.84	68.69	67.58	66.72	65.95	65.03	94.34	114.65	125.72	120.59	109.29	93.66

e Estimated

BOX ELDER COUNTY

414236112101201. LOCAL NUMBER, (B-11-3)10abb-4.

LOCATION.--Lat 41°42'36", long 112°10'12", Hydrologic Unit 16010204. Owner: Rocky Mountain Packing Company.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 705 ft, cased to 437 ft.

DATUM.--Land-surface datum is 4,318 ft above NGVD of 1929. Measuring point: Top of casing, 0.50 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are poor.

PERIOD OF RECORD.--October 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.00 ft below land-surface datum, Jul 27, Sep 12, 1984; lowest, 25.77 ft below land-surface datum, May 19, 20, 1993.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e23.70	e24.02	e24.31	e24.62	24.80	24.99	25.28	25.54	25.58	25.30	24.97	24.75
10	e23.75	e24.07	e24.36	24.64	24.86	25.12	25.40	25.53	25.48	25.26	24.93	24.64
15	e23.80	e24.12	e24.41	24.69	24.86	25.15	25.37	25.55	25.47	25.21	24.89	24.64
20	e23.86	e24.16	e24.45	24.74	24.94	25.17	25.43	25.64	25.39	25.17	24.86	24.62
25	e23.91	e24.21	e24.51	24.77	24.94	25.24	25.46	25.61	25.36	25.10	24.82	24.60
EOM	e23.97	e24.26	e24.57	24.83	24.94	25.37	25.50	25.60	25.34	25.06	24.78	24.58

e Estimated

BOX ELDER COUNTY--Continued

414411112543701. LOCAL NUMBER, (B-12-9)30cda-1.

LOCATION.--Lat 41°44'11", long 112°54'37", Hydrologic Unit 16020309. Owner: U.S. Geological Survey.

AQUIFER.--Basalt.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 162 ft, cased to 131 ft.

DATUM.--Land-surface datum is 4,239 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are fair.

PERIOD OF RECORD.--August 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.08 ft below land-surface datum, May 25, 31, Jul 25, 1987; lowest, 25.92 ft below land-surface datum, Sep 30, 2001.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.98	e26.06	26.07	25.97	25.89	e25.75	e25.60	25.51	25.56	e25.70	25.86	26.03
10	25.98	e26.08	26.05	25.96	25.89	e25.72	e25.58	25.50	25.57	e25.73	25.88	26.07
15	26.00	26.10	26.00	25.95	e25.87	e25.70	e25.55	25.47	e25.60	e25.76	25.87	26.04
20	26.01	26.10	25.99	25.95	e25.84	e25.68	e25.52	25.51	e25.62	e25.79	25.93	26.09
25	26.02	26.09	26.00	25.93	e25.81	e25.65	25.50	25.48	e25.65	e25.81	25.97	26.10
EOM	26.04	26.06	25.97	25.90	e25.78	e25.63	25.50	25.52	e25.68	25.84	26.00	26.13

e Estimated

415703112514501. LOCAL NUMBER, (B-14-9)9add-1.

LOCATION.--Lat 41°57'03", long 112°51'45", Hydrologic Unit 16020309. Owner: Cyprus Farms Inc.

AQUIFER.--Basalt.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 20 in., depth 400 ft, cased to 395 ft.

DATUM.--Land-surface datum is 4,384 ft above NGVD of 1929. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 160.12 ft below land-surface datum, Apr 16, 1988; lowest, 189.78 ft below land-surface datum, Sep 24, 2000.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	183.90	175.84	172.28	171.01	170.38	169.70	169.17	176.64	182.67	185.73	182.39	184.43
10	180.46	175.06	171.78	170.78	170.25	169.73	169.28	176.81	180.83	187.32	186.40	187.47
15	178.61	174.33	171.55	170.98	170.14	169.42	171.90	177.04	180.99	188.20	188.03	187.40
20	177.66	173.58	171.34	170.77	170.00	169.60	173.37	180.77	181.73	186.56	187.41	186.11
25	177.38	172.90	171.42	170.76	169.85	169.48	175.75	182.58	181.16	183.17	186.13	185.50
EOM	176.66	172.60	171.00	170.44	169.81	169.16	176.09	184.20	182.97	183.69	184.97	185.78

IRON COUNTY

375241112471001. LOCAL NUMBER, (C-34-8)5bca-1.

LOCATION.--Lat 37°52'41", long 112°47'20", Hydrologic Unit 16030006. Owner: Paragonah Canal Company.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in., depth 420 ft.

DATUM.--Elevation of land-surface datum is 5,802 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are poor.

PERIOD OF RECORD.--September 1935 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.45 ft below land-surface datum, Jun 26, 1949; lowest, 61.1 (estimated) ft below land-surface datum, Sep 27 and 28, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	56.69	56.98	57.46	57.55	57.93	58.18	58.24	58.43	59.08	59.47	59.96	60.72
10	56.60	57.11	57.48	57.67	58.02	58.19	58.37	58.50	59.16	59.58	59.76	e60.7
15	56.75	57.16	57.44	57.82	58.05	58.22	58.23	58.51	59.27	59.79	59.71	e60.9
20	56.67	57.31	57.61	57.93	58.08	58.24	58.39	58.61	59.31	59.82	59.87	e60.9
25	56.73	57.31	57.67	57.95	58.20	58.46	58.38	58.70	59.51	60.03	60.37	e61.0
EOM	56.89	57.44	57.56	57.96	58.20	58.21	58.42	58.83	59.45	60.00	60.62	e61.0

e Estimated

374252113385801. LOCAL NUMBER, (C-35-16)33bdc-2.

LOCATION.--Lat 37°42'52", long 113°38'58", Hydrologic Unit 16030006. Owner.--Charles F. Twitchell

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused irrigation well, diameter 16 in., drilled and cased to 191 ft.

DATUM.--Elevation of land-surface datum is 5,175 ft above NGVD of 1929. Measuring point: Hole in side of casing at land-surface datum.

REMARKS.--Water level affected by several nearby pumped wells. Records good except for estimated days, which are poor.

PERIOD OF RECORD.--March 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 128.74 ft below land-surface datum, Apr 1, 2002; lowest, 146.01 ft below land-surface datum, Sep 12, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	137.80	136.30	135.27	134.30	e133.6	132.88	132.22	135.72	139.18	144.29	144.26	143.02
10	137.61	136.08	135.03	e134.2	e133.5	132.76	132.19	135.99	137.69	144.66	145.53	145.00
15	137.37	135.96	134.88	134.08	e133.4	132.57	132.07	137.13	138.31	142.71	144.33	145.75
20	136.91	135.76	e134.8	e133.9	e133.2	132.56	133.45	137.50	139.14	141.73	142.78	142.02
25	136.65	135.61	134.72	133.90	133.03	132.56	133.82	139.53	142.54	142.66	143.16	143.89
EOM	136.41	135.38	134.43	133.70	133.01	132.26	134.95	140.36	143.38	143.73	143.52	141.94

e Estimated

IRON COUNTY--Continued

374132113063601. LOCAL NUMBER, (C-36-11)8aab-1.

LOCATION.--Lat 37°41'32", long 113°06'36", Hydrologic Unit 16030006. Owner: Cedar City Corporation.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in., cased to 220 ft, collapsed to 115 ft (sounded in 2002).

DATUM.--Land-surface datum is 5,563 ft above sea level. Measuring point: Top of casing, 5.2 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are poor. Dry from Oct 1-10 and Jul 4 to Sep 30.

PERIOD OF RECORD.--September 1935 to December 1943, March 1945 to March 1973, April 1978 to September 1987, and November 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.67 ft below land-surface datum, Sep 27, 1943; lowest, dry less than 115 ft below land-surface datum, Sep 26-30, 2002, and Oct 1-10 and Jul 4 to Sep 30, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	<115	e109.4	e103.1	99.29	e96.6	e94.3	92.01	97.01	107.16	<115	<115	<115
10	<115	e108.3	102.27	98.81	e96.2	e93.9	91.75	98.61	108.65	<115	<115	<115
15	e113.9	e107.3	101.62	98.37	e95.8	e93.3	91.54	100.00	109.38	<115	<115	<115
20	e112.8	e106.2	100.96	e97.9	e95.4	93.12	91.45	101.86	110.78	<115	<115	<115
25	e111.8	e105.2	100.50	e97.4	e94.9	92.84	92.95	103.27	112.25	<115	<115	<115
EOM	e110.5	e104.1	99.76	e97.0	e94.7	92.29	95.37	105.07	113.79	<115	<115	<115

< Actual value is known to be less than the value shown

373735113393801. LOCAL NUMBER, (C-36-16)29daa-1.

LOCATION.--Lat 37°37'35", long 113°39'38", Hydrologic Unit 16030006. Owner: George Gardner.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in., cased to 380 ft.

DATUM.--Land-surface datum is 5,233.36 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are poor. There are several nearby pumped wells.

PERIOD OF RECORD.--October 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 167.63 ft below land-surface datum, Apr 12, 1990; lowest, 215.89 ft below land-surface datum, Aug 11, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	e205.2	e203.1	201.20	199.74	198.64	197.64	196.74	202.11	205.80	213.88	215.25	214.29
10	e204.9	e202.7	200.79	199.52	198.53	197.63	196.75	202.46	204.37	214.13	215.64	214.18
15	e204.6	e202.4	200.61	199.40	198.34	197.30	198.78	207.39	208.23	210.88	212.84	210.39
20	e204.2	e202.0	200.41	199.17	198.10	197.42	198.30	206.25	210.46	208.85	212.41	210.06
25	e203.8	e201.6	200.38	199.11	197.88	197.29	202.80	209.17	212.41	211.53	211.38	211.09
EOM	e203.4	e201.3	199.91	198.88	197.87	196.81	205.40	210.79	213.14	214.24	214.07	210.18

e Estimated

JUAB COUNTY

393143111523301. LOCAL NUMBER, (C-15-1)12aba-1.

LOCATION.--Lat 39°31'43", long 111°52'33", Hydrologic Unit 16030005. Owner: R. C. Mangelson.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled stock artesian well, diameter 6 in., depth 117 ft, cased to 117 ft.

DATUM.--Land-surface datum is 5,196.90 ft above sea level. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are fair.

PERIOD OF RECORD.--August 1935 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 28.41 ft below land-surface datum, May 21, 1985; lowest recorded, 75.14 ft below land-surface datum, Sep 11, 12, 13, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	70.90	71.05	71.15	71.19	71.20	71.18	71.10	71.11	71.93	73.62	74.65	75.03
10	70.89	71.07	71.14	71.19	71.22	71.17	71.10	71.16	72.03	e73.88	74.81	75.09
15	70.92	71.11	71.13	71.20	71.21	71.12	71.09	71.31	72.54	e74.14	74.95	74.81
20	70.95	71.12	71.15	71.20	71.18	71.13	71.09	71.39	72.91	74.09	74.95	74.62
25	70.97	71.13	71.17	71.21	71.17	71.11	71.05	71.93	73.21	74.28	74.69	74.45
EOM	71.01	71.13	71.14	71.20	71.18	71.08	71.06	71.80	e73.43	74.55	74.95	74.35

e Estimated

KANE COUNTY

370650112331002. LOCAL NUMBER, (C-42-6)32cba-2.

LOCATION.--Lat 37°06'50", long 112°33'10", Hydrologic Unit 15010003. Owner: Kanab City.

AQUIFER.--Navajo Sandstone.

WELL CHARACTERISTICS.--Drilled well, diameter 6 in., cased to 230 ft.

DATUM.--Elevation of land-surface datum is 5,180.00 ft above sea level. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good except for Feb 1 to Mar 8, which are fair. Formerly published as 370523112334702, (C-42-6)30dcc-2.

PERIOD OF RECORD.--December 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 53.30 ft below land-surface datum, Apr 25, l986; lowest, 72.79 ft below land-surface datum, Sep 17, 18, 19, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	69.21	69.93	71.26	72.07	71.27	70.35	70.19	71.04	72.04	70.99	72.09	72.55
10	69.24	70.26	71.42	72.15	71.02	70.07	69.95	71.31	71.69	71.41	72.09	72.63
15	69.43	70.55	71.66	72.23	70.85	69.91	70.47	71.51	71.36	71.72	72.37	72.71
20	69.23	70.66	71.81	72.31	70.62	69.80	70.74	71.76	71.10	71.98	71.86	72.52
25	69.11	70.77	71.90	72.03	70.46	70.07	70.99	71.93	70.92	71.98	72.24	72.08
EOM	69.49	71.04	71.99	71.54	70.37	70.45	70.66	71.88	70.72	72.23	72.46	72.00

MILLARD COUNTY

393020112362201. LOCAL NUMBER, (C-15-7)23bac-1.

LOCATION.--Lat 39°30'20", long 112°36'22", Hydrologic Unit 16030007. Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 182 ft.

DATUM.--Elevation of land-surface datum is 4,629 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good except for estimated days, which are fair.

PERIOD OF RECORD.--August 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.57 ft below land-surface datum, Mar 3, 1989; lowest, 15.91 ft below land-surface datum, Oct 16, 1980.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.47	12.40	e11.95	e11.55	11.08	10.67	10.50	10.70	11.26	12.05	12.54	12.70
10	12.50	e12.30	e11.85	e11.45	11.03	10.67	10.58	10.73	11.40	12.17	12.60	12.64
15	12.54	12.20	e11.80	11.33	10.94	10.57	10.55	10.81	11.59	12.25	12.63	12.61
20	12.53	12.19	e11.75	11.26	10.88	10.60	10.61	10.92	11.72	12.35	12.66	12.64
25	12.50	e12.10	e11.65	11.25	10.77	10.58	10.60	10.93	11.86	12.41	12.67	12.70
EOM	12.49	e12.00	e11.60	11.15	10.75	10.49	10.66	11.09	11.93	12.50	12.68	12.67

e Estimated

390623113084101. LOCAL NUMBER, (C-20-12)1aac-1.

LOCATION.--Lat 39°06'23", long 113°08'41", Hydrologic Unit 16030009. Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 2 in., hole depth 150 ft, perforated 127 to 145 ft.

DATUM.--Elevation of land-surface datum is 4,543.77 ft above sea level. Measuring point: Top of inside steel casing, 1.0 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1980-82, 1984, 1986-92, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 55.10 ft below land-surface datum, Apr, 1999; lowest, 56.79 ft below land-surface datum, Jul 22, 1982.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 07	55.11	JAN 14	55.11	APR 21	55.00	JUL 31	55.04	SEP 16	55.05
NOV 13	55.06	MAR 13	55.09	JUN 19	55.02	SEP 04	55.05		

WATER YEAR 2003 HIGHEST 55.00 APR 21, 2003 LOWEST 55.11 OCT 07, 2002 JAN 14, 2003

MILLARD COUNTY--Continued

385844112245801. LOCAL NUMBER, (C-21-5)21aba-1.

LOCATION.--Lat 38°58'44", long 112°24'58", Hydrologic Unit 16030005. Owner: Delyle Carling.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in., hole depth 246 ft, cased to 220 ft.

DATUM.--Elevation of land-surface datum is 4,744.44 ft above sea level. Measuring point: Top of casing, 2.45 ft above land-surface datum. Casing extended 1.95 ft, May 6, 1998.

REMARKS.--Record is good except for estimated record, which is poor.

PERIOD OF RECORD.--May 1929 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 1.96 ft above land-surface datum, Feb 24, 1949; lowest, 83.02 ft below land-surface datum, Jul 20, 1965.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	53.34	53.09	53.05	52.96	52.85	52.70	52.68	55.04	57.62	64.62	67.43	69.19
10	53.22	53.01	53.04	52.95	52.85	52.69	52.88	55.10	58.89	64.17	66.78	68.69
15	53.16	53.04	53.00	52.94	52.81	52.67	52.99	55.96	62.43	64.01	66.57	66.95
20	53.13	53.06	53.00	52.92	52.77	52.68	53.32	55.96	e63.8	e65.7	67.92	66.38
25	53.11	53.05	52.99	52.91	52.75	52.67	54.10	59.44	e64.6	e67.1	68.56	65.96
EOM	53.09	53.06	52.95	52.89	52.73	52.58	54.73	59.36	64.28	67.58	68.85	65.61

e Estimated

SALT LAKE COUNTY

404202112064701. LOCAL NUMBER, (C-1-2)30cac-1.

LOCATION.--Lat 40'42'02", long 112'06'47", Hydrologic Unit 16020204. Owner: Kennecott Utah Copper.

AQUIFER.--Consolidated bedrock.

DATUM.--Elevation of land-surface datum is 4,508 ft above NGVD of 1929.

REMARKS.--Records good; Reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 259.54 ft below land surface-datum, Jul 17, 2000; lowest, 270.70 ft below land-surface datum, Jul 8, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	263.92	JAN 08	260.46	APR 04	263.91	JUL 07	263.37

WATER YEAR 2003 HIGHEST 260.46 JAN 08, 2003 LOWEST 263.92 OCT 24, 2002

SALT LAKE COUNTY--Continued

403916111575901. LOCAL NUMBER, (C-2-1)9ccc-1.

LOCATION.--Lat 40'39'16", long 111'57'59", Hydrologic Unit 16020204. Owner: Salt Lake County Conservancy District.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled artesian unused public supply well, diameter 16 in., depth 795 ft, perforated 187-372 ft.

DATUM.--Elevation of land-surface datum is 4,461 ft above NGVD of 1929. Measuring point: Top of casing, 2.10 ft above land-surface datum.

REMARKS.--Records good.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 49.75 ft below land-surface datum, Oct 25, 1971; lowest, 86.80 ft below land-surface datum, Jul 25, 1982.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	58.74	58.87	59.05	59.25	59.44	59.66	59.95	60.24	60.58	60.65	60.61	60.52
10	58.71	58.83	59.04	59.27	59.50	59.79	60.01	60.27	60.56	60.67	60.63	60.46
15	58.76	58.92	59.02	59.33	59.54	59.76	60.02	60.32	60.63	60.66	60.61	60.44
20	58.76	58.99	59.07	59.37	59.58	59.87	60.13	60.48	60.60	60.68	60.59	60.45
25	58.75	58.95	59.16	59.44	59.59	59.97	60.14	60.45	60.63	60.64	60.54	60.46
EOM	58.80	58.97	59.14	59.46	59.63	59.95	60.23	60.52	60.61	60.65	60.53	60.44

403907112073901. LOCAL NUMBER, (C-2-3)13aba-1.

LOCATION.--Lat 40'39'07", long 112'07'39", Hydrologic Unit 16020204. Owner: Granger-Hunter Conservancy District

AQUIFER.--Consolidated bedrock.

DATUM.--Elevation of land-surface datum is 5,325 ft above NGVD of 1929.

REMARKS.--Records good; Reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 507.02 ft below land-surface datum, Oct 25, 2000; lowest, 515.85 ft below land-surface datum, May 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 03	515.08	MAY 07	515.85	AUG 08	510.93

WATER YEAR 2003 HIGHEST 510.93 AUG 08, 2003 LOWEST 515.85 MAY 07, 2003

403241112053301. LOCAL NUMBER, (C-3-2)20bdd-1.

LOCATION.--Lat 40'32'41", long 112'05'33", Hydrologic Unit 16020204. Owner: Kennecott Utah Copper

AQUIFER.--Consolidated bedrock.

DATUM.--Elevation of land-surface datum is 5,364 ft above NGVD of 1929.

REMARKS.--Records good; Reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 29.71 ft below land-surface datum, Jul 27, 2000; lowest 39.56 ft below land-surface datum, Sep 5, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 03	36.15	MAY 07	36.61	AUG 08	37.58

WATER YEAR 2003 HIGHEST 36.15 FEB 03, 2003 LOWEST 37.58 AUG 08, 2003

SALT LAKE COUNTY--Continued

403241112053302. LOCAL NUMBER, (C-3-2)20bdd-2.

LOCATION.--Lat 40'32'41", long 112'05'33", Hydrologic Unit 16020204. Owner: Kennecott Utah Copper

AQUIFER.--Consolidated bedrock.

DATUM.--Elevation of land-surface datum is 5,364 ft above NGVD of 1929.

REMARKS.--Records good; Reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 380.23 ft below land-surface datum, Jul 27, 2000; lowest 385.60 ft below land-surface datum, Feb 3, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 03	385.60	MAY 07	385.00	AUG 08	385.21

WATER YEAR 2003 HIGHEST 385.00 MAY 07, 2003 LOWEST 385.60 FEB 03, 2003

403055112060401. LOCAL NUMBER, (C-3-2)31add-1.

LOCATION.--Lat 40'30'55", long 112'06'04", Hydrologic Unit 16020204. Owner: Kennecott Utah Copper

DATUM.--Elevation of land-surface datum is 5,619 ft above NGVD of 1929.

REMARKS.--Records good; Reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 47.88 ft below land-surface datum, Aug 8, 2003; lowest 58.38 ft below land-surface datum, Oct 17, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 03	48.15	MAY 07	48.47	AUG 08	47.88

WATER YEAR 2003 HIGHEST 47.88 AUG 08, 2003 LOWEST 48.47 MAY 07, 2003

403055112060402. LOCAL NUMBER, (C-3-2)31add-2.

LOCATION.--Lat 40'30'55", long 112'06'04", Hydrologic Unit 16020204. Owner: Kennecott Utah Copper

DATUM.--Elevation of land-surface datum is 5,619 ft above NGVD of 1929.

REMARKS.--Records good; Reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 41.17 ft below land-surface datum, Jul 27, 2000; lowest 44.73 ft below land-surface datum, May 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 03	44.18	MAY 07	44.73	AUG 08	44.70

WATER YEAR 2003 HIGHEST 44.18 FEB 03, 2003 LOWEST 44.73 MAY 07, 2003

SAN JUAN COUNTY

375243109191301. LOCAL NUMBER, (D-33-24)30dab-1.

LOCATION.--Lat 37°52'43", long 109°19'13", Hydrologic Unit 14080203. Owner: A. E. C.

AQUIFER.--Sandstone.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in., depth 319 ft.

DATUM.--Land-surface datum is 6,916 ft above NGVD of 1929. Measuring Point: Top of casing, 0.60 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 159.69 ft below land-surface datum, Jan 17, 1996; lowest, 202.89 ft below land-surface datum, Jul 25, 1958.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	163.74	164.04	164.65	164.75	164.55	164.27	164.22	164.41	165.28	166.09	166.88	167.42
10	163.78	164.01	164.60	164.75	164.71	164.60	164.51	164.47	165.31	166.36	167.05	167.13
15	163.79	164.25	164.63	164.78	164.58	164.43	164.23	165.34	165.50	166.62	167.05	167.45
20	163.78	164.54	164.46	164.79	164.56	164.42	164.51	165.03	165.47	166.78	167.14	167.39
25	163.85	164.27	164.65	164.84	164.38	164.51	164.39	165.15	165.65	166.78	167.15	167.49
EOM	163.84	164.57	164.57	164.93	164.32	164.56	164.37	165.16	166.05	166.97	167.23	167.88

375050109034801. LOCAL NUMBER, (D-34-26)4dad-1.

LOCATION.--Lat 37°50'50", long 109°03'48", Hydrologic Unit 14080203. Owner: State of Utah.

AQUIFER.--Sandstone.

WELL CHARACTERISTICS.--Drilled artesian well, diameter 6 in., depth 100 ft.

DATUM.--Elevation of land-surface datum is 6,725 ft above NGVD of 1929. Measuring point: Top of 3 in. pipe housing, 4.83 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--November 1946-51, 1953-92, 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 25.84 ft below land-surface datum, Apr 13, 1983; lowest, 45.41 ft below land-surface datum, Oct 30, 1953.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.92	38.76	37.22	37.43	37.26	36.13	37.10	38.44	37.83	37.41	37.69	37.31
10	37.94	37.78	37.19	38.55	37.07	36.02	37.49	38.51	37.53	37.36	37.55	36.97
15	37.97	38.64	37.21	38.27	36.79	35.76	37.38	38.59	37.89	37.77	37.47	36.93
20	38.94	38.08	37.58	38.11	36.55	35.58	37.72	38.60	37.79	37.51	37.39	36.80
25	38.70	38.28	37.99	37.94	36.48	35.52	38.11	38.44	37.60	37.37	37.32	36.75
EOM	38.12	37.40	37.53	37.66	36.36	35.70	38.25	38.09	37.45	38.27	37.45	36.68

SAN JUAN COUNTY---Continued

373830109283201. LOCAL NUMBER, (D-36-22)22daa-1.

LOCATION.--Lat 37°38'30", long 109°28'32", Hydrologic Unit 14080201. Owner: Joseph L. Nielson.

AQUIFER.-- Dakota Sandstone.

WELL CHARACTERISTICS.--Drilled stock artesian well, diameter 7 in., depth 140 ft.

DATUM.--Elevation of land-surface datum is 6,200 ft above NGVD of 1929. Measuring point: Top of 7 in. casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 35.51 ft below land-surface datum, Sep 20, 1988; lowest, 57.23 ft below land-surface datum, Oct 20, 1960.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	54.81	54.88	55.27	55.26	55.16	55.14	55.39	55.70	55.97	56.27	56.52	56.74
10	54.80	54.71	55.07	55.29	55.43	55.60	55.74	55.77	56.03	56.47	56.64	56.48
15	54.83	55.08	55.12	55.36	55.26	55.41	55.44	55.76	56.23	56.40	56.64	56.74
20	54.79	55.37	54.89	55.37	55.34	55.54	55.83	56.15	55.99	56.49	56.60	56.69
25	54.81	54.94	55.15	55.43	55.21	55.63	55.67	55.95	56.20	56.42	56.64	56.76
EOM	54.81	55.20	55.09	55.57	55.21	55.75	55.61	56.04	56.32	56.53	56.68	56.80

TOOELE COUNTY

404242112131101. LOCAL NUMBER, (C-1-3)30aad-1.

LOCATION.--Lat 40'42'42", long 112'13'11", Hydrologic Unit 16020304. Owner: Kennecott Utah Copper.

AQUIFER.--Consolidated bedrock.

DATUM.--Elevation of land-surface datum is 4,782 ft above NGVD of 1929.

REMARKS.--Records good; reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 240.20 ft below land-surface datum, Jul 27, 2000; lowest, 270.65 ft below land-surface datum, Aug 8, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	257.77	FEB 10	262.80	MAY 07	265.21	AUG 08	270.65

WATER YEAR 2003 HIGHEST 257.77 OCT 10, 2002 LOWEST 270.65 AUG 08, 2003

404242112131102. LOCAL NUMBER, (C-1-3)30aad-2.

LOCATION.--Lat 40'42'42", long 112'13'11", Hydrologic Unit 16020304. Owner: Kennecott Utah Copper.

AQUIFER.--Consolidated bedrock.

DATUM.--Elevation of land-surface datum is 4,782 ft above NGVD of 1929.

REMARKS.--Records good; reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 526.49 ft below land-surface datum, May 15, 2002; lowest 533.74 ft below land-surface datum, May 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	531.57	MAY 07	533.74	AUG 08	533.25

WATER YEAR 2003 HIGHEST 531.57 OCT 10, 2002 LOWEST 533.74 MAY 07, 2003

TOOELE COUNTY--Continued

404242112131103. LOCAL NUMBER, (C-1-3)30aad-3.

LOCATION.--Lat 40'42'42", long 112'13'11", Hydrologic Unit 16020304. Owner: Kennecott Utah Copper.

AQUIFER.--Consolidated bedrock.

DATUM.--Elevation of land-surface datum is 4,782 ft above NGVD of 1929.

REMARKS.--Records good; reported by Kennecott Utah Copper.

PERIOD OF RECORD.--July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 528.14 ft below land-surface datum, Jul 3, 2001; lowest 534.82 ft below land-surface datum, May 7, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	532.77	FEB 10	534.70	MAY 07	534.82	AUG 08	534.24

WATER YEAR 2003 HIGHEST 532.77 OCT 10, 2002 LOWEST 534.82 MAY 07, 2003

404105112151501. LOCAL NUMBER, (C-1-4)36ccb-1.

LOCATION.--Lat 40'41'05", long 112'15'15", Hydrologic Unit 16020304. Owner: Saddleback Partners L.C.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 2 in.

DATUM.--Elevation of land-surface datum is 4,259 ft above NGVD of 1929. Measuring point: Top of casing, 1.37 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--May 1999 to current year. Instantaneous water levels May 1999 to Aug 2001; Continuous water levels Aug 2001 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.69 ft below land-surface datum, Jun 28, 1999; lowest, 8.63 ft below land-surface datum, Aug 19-21, 24, 25, 27, 28, Sep 5, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.81	7.80	7.71	7.73	7.82	7.84	7.95	8.07	8.17	8.28	8.52	8.60
10	7.76	7.77	7.68	7.72	7.81	7.86	7.95	8.09	8.17	8.31	8.54	8.60
15	7.78	7.78	7.63	7.76	7.82	7.84	7.97	8.11	8.20	8.38	8.59	8.54
20	7.78	7.77	7.66	7.78	7.84	7.89	7.98	8.11	8.17	8.44	8.61	8.55
25	7.79	7.75	7.70	7.81	7.84	7.87	8.02	8.11	8.17	8.48	8.61	8.55
EOM	7.81	7.71	7.68	7.80	7.84	7.87	8.06	8.16	8.17	8.51	8.58	8.59

TOOELE COUNTY--Continued

404006112142601. LOCAL NUMBER, (C-2-4)1ddc-1.

LOCATION.--Lat 40'40'06", long 112'14'26", Hydrologic Unit 16020304. Owner: Saddleback Partners L.C.

AQUIFER.--Consolidated bedrock.

WELL CHARACTERISTICS.--Diameter 16 in.

DATUM.--Elevation of land-surface datum is 4,842.4 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 421.92 ft below land-surface datum, Jul 4, 2002; lowest, 427.92 ft below land-surface datum, Apr 8, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	421.98	423.34	423.85
10	---	---	---	---	---	---	---	---	---	422.20	423.62	424.44
15	---	---	---	---	---	---	---	---	---	422.39	423.58	424.79
20	---	---	---	---	---	---	---	---	---	422.74	423.51	424.91
25	---	---	---	---	---	---	---	---	---	422.92	423.76	425.09
EOM	---	---	---	---	---	---	---	---	---	423.17	423.96	425.47

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	425.52	424.06	424.02	425.08	425.50	426.09	427.44	427.29	424.18	424.93	426.43	427.21
10	425.64	423.83	424.01	425.12	425.67	426.28	427.58	427.55	423.92	425.24	426.57	427.36
15	425.63	423.93	424.23	425.12	425.70	426.54	427.48	426.92	424.03	425.61	426.84	427.44
20	425.53	423.99	424.66	425.47	425.79	426.90	427.73	425.95	424.21	425.89	426.89	427.58
25	425.36	423.76	424.89	425.54	425.82	427.18	427.58	425.14	424.47	426.07	427.17	427.70
EOM	425.32	423.77	424.80	425.66	425.89	427.34	427.44	424.42	424.65	426.28	427.19	427.67

403547112155101. LOCAL NUMBER, (C-2-4)35dcc-1.

LOCATION.--Lat 40'35'47", long 112'15'51", Hydrologic Unit 16020304. Owner: Rusty Price.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Multiple completion; diameter 2 in., depth 210 ft.

DATUM.--Elevation of land-surface datum is 4,575 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 176.34 ft below land-surface, Mar 14, 2000; lowest, 192.71 ft below land-surface datum, Jul 1, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	189.33	JAN 29	187.98	MAR 12	187.70	JUL 01	192.71	JUL 03	192.71

WATER YEAR 2003 HIGHEST 187.70 MAR 12, 2003 LOWEST 192.71 JUL 01, 2003 JUL 03, 2003

TOOELE COUNTY--Continued

403547112155102. LOCAL NUMBER, (C-2-4)35dcc-2.

LOCATION.--Lat 40'35'47", long 112'15'51", Hydrologic Unit 16020304. Owner: Rusty Price.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Multiple completion; diameter 2 in., depth 260 ft.

DATUM.--Elevation of land-surface datum is 4,575 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 176.27 ft below land-surface datum, Mar 14, 2000; lowest 192.74 ft below land-surface datum, Jul 3, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	189.33	JAN 29	187.94	MAR 12	187.67	JUL 03	192.74

WATER YEAR 2003 HIGHEST 187.67 MAR 12, 2003 LOWEST 192.74 JUL 03, 2003

403547112155103. LOCAL NUMBER, (C-2-4)35dcc-3.

LOCATION.--Lat 40'35'47", long 112'15'51", Hydrologic Unit 16020304. Owner: Rusty Price.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Multiple completion; diameter 2 in., depth 350 ft.

DATUM.--Elevation of land-surface datum is 4,575 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1999 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 175.50 ft below land-surface datum, Mar 14, 2000; lowest, 192.83 ft below land-surface datum, Jul 1, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	189.18	JAN 29	187.90	MAR 12	187.67	JUL 01	192.83	JUL 03	192.81

WATER YEAR 2003 HIGHEST 187.67 MAR 12, 2003 LOWEST 192.83 JUL 01, 2003

403237112131401. LOCAL NUMBER, (C-3-3)19dab-1.

LOCATION.--Lat 40'32'37", long 112'13'14", Hydrologic Unit 16020304. Owner: ARCO.

AQUIFER.--Consolidated bedrock.

WELL CHARACTERISTICS.--Diameter 6 in.

DATUM.--Elevation of land-surface datum is 5,855 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--Nov 1988; May 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 202.38 ft below land-surface datum, Nov 1, 1988; lowest 483.34 ft below land-surface datum, Apr 28, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	474.44	JAN 29	475.57	MAR 13	480.01	APR 28	483.34	JUL 18	482.07	SEP 30	482.31

WATER YEAR 2003 HIGHEST 474.44 OCT 30, 2002 LOWEST 483.34 APR 28, 2003

TOOELE COUNTY--Continued

403240112121801. LOCAL NUMBER, (C-3-3)20acb-1.

LOCATION.--Lat 40'32'53", long 112'12'23", Hydrologic Unit 16020304. Owner: Tooele City

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in, depth 503 ft.

DATUM.--Elevation of land-surface datum is 5,660 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--Aug 21, 2002 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 202.66 ft below land-surface datum, Aug 21, 2002; lowest 221.50 ft below land-surface datum, Apr 29, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 03	214.94	OCT 30	217.63	JAN 27	220.73	MAR 26	221.81	APR 29	221.50	JUL 18	212.68

WATER YEAR 2003 HIGHEST 212.68 JUL 18, 2003 LOWEST 221.81 MAR 26, 2003

403002112123201. LOCAL NUMBER, (C-3-3)20bab-1.

LOCATION.--Lat 40'30'02", long 112'12'32", Hydrologic Unit 16020304. Owner: Kennecott Utah Copper.

AQUIFER.--Consolidated bedrock.

WELL CHARACTERISTICS.--Diameter 8 in., depth 200 ft.

DATUM.--Elevation of land-surface datum is 6,000 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--1990; August 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 98.0 ft below land-surface datum, Sep 18, 1995; lowest 104.55 ft below land-surface datum, Mar 26, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	103.68	JAN 27	104.28	MAR 26	104.55	APR 29	104.20	JUL 17	103.88

WATER YEAR 2003 HIGHEST 103.68 OCT 30, 2002 LOWEST 104.55 MAR 26, 2003

403400112144001. LOCAL NUMBER, (C-3-4)13abb-2.

LOCATION.--Lat 40'34'00", long 112'14'40", Hydrologic Unit 16020304. Owner: ARCO.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 8 in.

DATUM.--Elevation of land-surface datum is 4,995 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--September 1995; July 2000 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 579.41 ft below land-surface datum, May 23, 2000; lowest, 599.47 ft below land-surface datum, Mar 13, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 06	597.76	JAN 29	598.97	MAR 13	599.47

WATER YEAR 2003 HIGHEST 597.76 DEC 06, 2002 LOWEST 599.47 MAR 13, 2003

TOOELE COUNTY--Continued

403339112152501. LOCAL NUMBER, (C-3-4)14adb-1.

LOCATION.--Lat 40'33'39", long 112'15'25", Hydrologic Unit 16020304. Owner: Ralph Bailey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 8 in., depth 650 ft, perforated 580-650 ft.

DATUM.--Elevation of land-surface datum is 4,950 ft above NGVD of 1929.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 502.88 ft below land-surface datum, Apr 3, 1985; lowest 570.00 ft below land-surface datum, Oct 18, 1963.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 29	544.63	MAR 13	544.80

WATER YEAR 2003 HIGHEST 544.63 JAN 29, 2003 LOWEST 544.80 MAR 13, 2003

401312112442301. LOCAL NUMBER, (C-7-8)10cbd-1.

LOCATION.--Lat 40°13'12", long 112°44'23", Hydrologic Unit 16020305. Owner: Dugway Proving Ground.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in., depth 175 ft, cased to l75 ft, perforated 115-175 ft.

DATUM.--Elevation of land-surface datum is 4,833.44 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--November 1946 to March 1947, January 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 73.32 ft below land-surface datum, Jan 26, 1951; lowest, 93.67 ft below land-surface datum, Oct 15, 1966.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	77.65	77.00	76.39	75.90	75.61	75.28	75.02	75.03	75.78	76.46	77.38	77.96
10	77.43	76.87	76.23	75.84	75.50	75.23	74.98	75.11	75.86	76.69	77.57	78.04
15	77.34	76.79	76.09	75.79	75.48	75.08	74.87	75.02	76.01	76.81	77.69	77.99
20	77.26	76.72	76.05	75.72	75.36	75.19	74.90	75.11	76.18	77.01	77.84	78.09
25	77.15	76.61	76.06	75.73	75.34	75.13	74.81	75.19	76.41	77.13	77.94	78.14
EOM	77.07	76.43	75.88	75.62	75.30	74.98	74.93	75.57	76.35	77.33	77.95	78.09

UINTAH COUNTY

403158109372201. LOCAL NUMBER, (D-3-20)25abc-2.

LOCATION.--Lat 40°31'58", long 109°37'22", Hydrologic Unit 14060002. Owner: H. T. Peltier.

AQUIFER.--Glacial outwash.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in., depth 43 ft, cased to 42 ft.

DATUM.--Land-surface datum is 5,992 ft above sea level. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--May 1965 to August 1966, March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.97 ft below land-surface datum, Jul 5, 1966; lowest, 8.88 ft below land-surface datum, Sep 7, 1989.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.26	7.83	7.54	7.33	7.18	7.12	7.09	7.19	6.79	6.86	7.51	7.95
10	8.25	7.70	7.52	7.28	7.19	7.04	7.11	6.95	6.41	7.03	7.62	7.63
15	8.23	7.67	7.47	7.26	7.17	7.06	7.16	7.12	6.31	7.15	7.74	7.45
20	8.19	7.63	7.43	7.26	7.14	6.98	7.17	6.88	5.87	7.27	7.79	7.49
25	8.12	7.58	7.39	7.23	7.14	7.03	7.16	6.29	6.23	7.36	7.81	7.57
EOM	7.99	7.56	7.37	7.20	7.12	7.07	7.16	6.50	6.34	7.45	7.85	7.63

UTAH COUNTY

401818112014501. LOCAL NUMBER, (C-6-2)14aba-1.

LOCATION.--Lat 40°18'18", long 112°01'45", Hydrologic Unit 16020201. Owner: Coop Security Corp.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 16 in., depth 1,258 ft, cased to 1,254 ft.

DATUM.--Land-surface datum is 4,865.70 ft above sea level. Measuring point: Top of casing, at land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--December 1954 to April 1955, March 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 106.50 ft below land-surface datum, Mar 17, 2003; lowest, 141.41 ft below land-surface datum, Aug 15, 1965.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	107.00	106.98	106.89	106.84	106.68	106.57	106.54	106.59	106.68	106.76	106.83	106.90
10	106.99	106.85	106.85	106.78	106.70	106.64	106.62	106.56	106.65	106.80	106.86	106.85
15	107.02	106.95	106.78	106.79	106.64	106.56	106.54	106.61	106.70	106.80	106.86	106.89
20	106.96	106.99	106.77	106.76	106.65	106.59	106.62	106.69	106.67	106.84	106.87	106.91
25	106.94	106.89	106.80	106.76	106.58	106.64	106.54	106.62	106.67	106.81	106.88	106.92
EOM	106.93	106.90	106.76	106.72	106.58	106.63	106.58	106.66	106.73	106.78	106.90	106.90

402333111513401. LOCAL NUMBER, (D-5-1)8dcc-1.

LOCATION.--Lat 40°23'33", long 111°51'34", Hydrologic Unit 16020201. Owner: Lehi Irrigation Co.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused irrigation artesian well, diameter 14 in., depth 240 ft, cased to 240 ft, perforated at 85, 105, 165, and 200 ft.

DATUM.--Elevation of land-surface datum is 4,555.03 ft above NGVD of 1929. Measuring point: Top of casing, 3.40 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping. Records good.

PERIOD OF RECORD.--September 1935 to December 1936, April 1947, March 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.07 ft above land-surface datum, Apr 10, 1984; lowest, 41.28 ft below land-surface datum, Aug 26, 2002.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	29.66	28.30	26.89	26.00	24.91	24.34	24.49	25.78	29.15	33.89	37.91	34.91
10	29.22	28.04	26.78	25.86	24.92	24.57	24.58	25.25	31.20	34.40	36.57	34.19
15	28.87	27.93	26.57	25.79	24.72	24.47	24.91	25.40	32.67	35.69	35.53	33.76
20	28.87	27.76	26.35	25.41	24.54	24.27	24.61	25.63	34.62	36.64	35.31	32.71
25	28.53	27.31	26.34	25.44	24.66	24.39	24.45	26.35	31.19	37.43	35.21	32.88
EOM	28.37	27.08	26.06	25.14	24.61	24.54	24.63	29.03	30.90	38.20	34.77	33.46

e Estimated

WASATCH COUNTY

403146111272701. LOCAL NUMBER, (D-3-4)26dba-1.

LOCATION.--Lat 40°31'46", long 111°27'27", Hydrologic Unit 16020203. Owner: Leroy Kohler.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 48 in., depth 19 ft.

DATUM.--Elevation of land-surface datum is 5,580 ft above NGVD of 1929. Measuring point: Top of wood covering well, 11.60 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1966, July 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.22 ft below land-surface datum, Jul 06, 1989; lowest, 17.16 ft below land-surface datum Feb 07, 1989.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	14.30	DEC 24	15.80	FEB 20	16.93	APR 29	15.02	JUN 26	13.30	AUG 25	12.45
NOV 26	14.94	JAN 29	16.97	MAR 25	16.08	MAY 21	13.63	JUL 29	13.24	SEP 23	13.36

WATER YEAR 2003 HIGHEST 12.45 AUG 25, 2003 LOWEST 16.97 JAN 29, 2003

403403111253501. LOCAL NUMBER, (D-3-5)7cdb-1.

LOCATION.--Lat 40°34'03", long 111°25'35", Hydrologic Unit 16020203. Owner: Glade Givens.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 4 in., depth 88 ft.

DATUM.--Elevation of land-surface datum is 5,759 ft above NGVD of 1929. Measuring point: So. edge of opening above well at east corner, 3.65 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--September 1966 to September 1968, July 1988 to July 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 2.05 below land-surface datum, Jun 28, 1993; lowest, 23.89 ft below land-surface datum, Mar 20, 1967.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	5.43	DEC 24	5.44	FEB 20	4.00	APR 29	5.04	JUN 26	3.73	AUG 25	6.05
NOV 26	5.18	JAN 29	2.54	MAR 25	4.46	MAY 21	4.41	JUL 29	5.98	SEP 23	6.12

WATER YEAR 2003 HIGHEST 2.54 JAN 29, 2003 LOWEST 6.12 SEP 23, 2003

403325111254601. LOCAL NUMBER, (D-3-5)18cba-1.

LOCATION.--Lat 40°33'25", long 111°25'46", Hydrologic Unit 16020203. Owner: North Orem LDS Stake.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,700 ft above NGVD of 1929. Measuring point: Top of plug hole in cap, 2.50 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.33 ft below land-surface datum, Jun 22, 1998; lowest, 29.78 ft below land-surface datum, Jun 26, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	15.55	DEC 24	17.58	FEB 20	20.21	APR 29	17.18	JUN 26	29.78	AUG 20	15.25
NOV 26	18.76	JAN 29	18.20	MAR 25	18.09	MAY 21	17.45	JUL 29	17.54	SEP 23	15.59

WATER YEAR 2003 HIGHEST 15.25 AUG 20, 2003 LOWEST 29.78 JUN 26, 2003

WASATCH COUNTY--Continued

403305111251901. LOCAL NUMBER, (D-3-5)18dcc-2.

LOCATION.--Lat 40°33'05", long 111°25'19", Hydrologic Unit 16020203. Owner: Hugh Smith.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISITCS.--Diameter 8 in., depth 243 ft.

DATUM.--Elevation of land-surface datum is 5,695 ft above NGVD of 1929. Measuring point: Top of plug hole in cap, 2.95 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 86.46 ft below land-surface datum, Jul 25, 2001; lowest, 100.39 ft below land-surface datum, Apr 25, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	97.32	DEC 24	99.60	FEB 20	99.76	APR 29	98.79	JUN 26	97.93	AUG 25	95.56
NOV 26	99.17	JAN 29	99.84	MAR 25	99.78	MAY 21	97.03	JUL 29	95.60	SEP 23	96.62

WATER YEAR 2003 HIGHEST 95.56 AUG 25, 2003 LOWEST 99.84 JAN 29, 2003

403243111252701. LOCAL NUMBER, (D-3-5)19bdd-2.

LOCATION.--Lat 40°32'43", long 111°25'27", Hydrologic Unit 16020203. Owner: Melvin C. Cummings.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 5 in., depth 120 ft.

DATUM.--Elevation of land-surface datum is 5,654 ft above NGVD of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 14.66 ft below land-surface datum, May 10, 1994; lowest, 25.64 ft below land-surface datum, Feb 23, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	21.61	DEC 24	22.63	FEB 20	24.32	APR 20	22.93	JUN 26	17.40	AUG 25	20.02
NOV 26	21.74	JAN 29	23.69	MAR 25	24.21	MAY 21	18.48	JUL 29	18.89	SEP 23	21.19

WATER YEAR 2003 HIGHEST 17.40 JUN 26, 2003 LOWEST 24.32 FEB 20, 2003

403127111240301. LOCAL NUMBER, (D-3-5)29cac-1.

LOCATION.--Lat 40°31'27", long 111°24'03", Hydrologic Unit 16020203. Owner: Leslie North.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Hand dug domestic water-table well, diameter 4 ft, depth 15 ft, rock lined.

DATUM.--Elevation of land-surface datum is 5,608 ft above NGVD of 1929. Measuring point: Top of concrete platform, 1.0 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1936 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.18 ft below land-surface datum, Sep 13, 1974; lowest, 11.78 ft below land-surface datum, Apr 29, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	6.91	DEC 18	9.81	FEB 20	11.36	APR 29	11.78	JUN 26	4.48	AUG 20	3.54
NOV 21	8.38	JAN 29	11.14	MAR 25	11.52	MAY 27	10.24	JUL 31	3.54	SEP 25	4.51

WATER YEAR 2003 HIGHEST 3.54 JUL 31, 2003 AUG 20, 2003 LOWEST 11.78 APR 29, 2003

WASATCH COUNTY--Continued

403149111255601. LOCAL NUMBER, (D-3-5)30bcc-1.

LOCATION.--Lat 40°31'49", long 111°25'56", Hydrologic Unit 16020203. Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 6.5 ft.

DATUM.--Elevation of land-surface datum is 5,594 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--December 1988 to August 1989, April 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.13 ft below land-surface datum, Jun 26, 2000; lowest, 3.59 ft below land-surface datum, Sep 23, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.09	JAN 29	2.14	MAR 25	2.64	MAY 21	.43	JUL 29	1.09	SEP 23	3.59
NOV 26	3.00	FEB 20	2.40	APR 29	3.33	JUN 26	.39	AUG 25	1.80		

WATER YEAR 2003 HIGHEST .39 JUN 26, 2003 LOWEST 3.59 SEP 23, 2003

403004111280301. LOCAL NUMBER, (D-4-4)2bcd-1.

LOCATION.--Lat 40°30'04", long 111°28'03", Hydrologic Unit 16020203. Owner: Clark Partridge.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 105 ft.

DATUM.--Elevation of land-surface datum is 5,500 ft above NGVD of 1929. Measuring point: Top of hole in casing, 5.02 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 45.91 ft below land-surface datum, Jun 05, 1995; lowest, 52.79 ft below land-surface datum, Dec 28, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	51.30	DEC 18	52.36	FEB 20	49.42	APR 29	51.16	JUN 26	50.91	AUG 20	51.19
NOV 21	52.30	JAN 29	52.02	MAR 25	52.54	MAY 21	50.60	JUL 29	51.26	SEP 23	50.45

WATER YEAR 2003 HIGHEST 49.42 FEB 20, 2003 LOWEST 52.54 MAR 25, 2003

402937111283501. LOCAL NUMBER, (D-4-4)3dcd-1.

LOCATION.--Lat 40°29'37", long 111°28'35", Hydrologic Unit 16020203. Owner: Deer Creek Meadows, LLC

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,475 ft above NGVD of 1929. Measuring point: Top of casing, 0.41 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.12 ft below land-surface datum, Jul, 05 1995; lowest, 15.32 ft below land-surface datum, Apr 29, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	13.53	DEC 18	14.57	FEB 20	14.97	APR 29	15.32	JUN 26	13.43	AUG 20	14.40
NOV 21	14.21	JAN 29	14.38	MAR 25	15.28	MAY 21	13.69	JUL 29	14.53	SEP 23	13.33

WATER YEAR 2003 HIGHEST 13.33 SEP 23, 2003 LOWEST 15.32 APR 29, 2003

WASATCH COUNTY--Continued

402902111282001. LOCAL NUMBER (D-4-4)10daa-1.

LOCATION.--Lat 40°29'02", long 111°28'20", Hydrologic Unit 16020203. Owner: U.S. Geological Survey.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled water-table observation well, diameter 2 in., depth 65 ft.

DATUM.--Elevation of land-surface datum is 5,430 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--November 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.81 ft below land-surface datum, Jun 28, 1993; lowest, 4.25 ft below land-surface datum, Aug 26, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	3.69	DEC 18	3.67	FEB 20	3.73	APR 29	3.97	JUN 26	3.59	AUG 20	4.21
NOV 21	3.68	JAN 29	3.48	MAR 25	3.75	MAY 21	3.81	JUL 29	4.24	SEP 23	3.86

WATER YEAR 2003 HIGHEST 3.48 JAN 29, 2003 LOWEST 4.24 JUL 29, 2003

402842111263101. LOCAL NUMBER, (D-4-4)12dcc-1.

LOCATION.--Lat 40°28'42", long 111°26'31", Hydrologic Unit 16020203. Owner: Heber Valley Special Services Dist.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,545 ft above NGVD of 1929. Measuring point: Top of concrete walkway at land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--September 1949 to October 1950, July 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 23.00 ft below land-surface datum, Jul 03, 1950; lowest, 75.51 ft below land-surface datum, Feb 26, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	69.17	DEC 18	69.73	FEB 20	73.59	APR 29	74.55	JUN 26	70.14	AUG 20	68.33
NOV 21	68.61	JAN 29	72.21	MAR 25	75.48	MAY 21	73.03	JUL 29	68.99	SEP 23	71.30

WATER YEAR 2003 HIGHEST 68.33 AUG 20, 2003 LOWEST 75.48 MAR 25, 2003

402810111263601. LOCAL NUMBER (D-4-4)13bdd-1.

LOCATION.--Lat 40°28'10", long 111°26'36", Hydrologic Unit 16020203. Owner: Eric Bunker.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.-- Diameter 8 in.

DATUM.--Elevation of land-surface datum is 5,550 ft above NGVD of 1929. Measuring point: Top of plug hole in casing, 0.90 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--February 2003 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 85.23 ft below land-surface datum, Jul 29, 2003; lowest, 91.79 ft below land-surface datum, Apr 29, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 24	91.29	APR 29	91.79	JUN 26	88.64	AUG 25	85.86
MAR 25	91.64	MAY 21	91.09	JUL 29	85.23	SEP 23	86.64

WATER YEAR 2003 HIGHEST 85.23 JUL 29, 2003 LOWEST 91.79 APR 29, 2003

WASATCH COUNTY--Continued

402742111281501. LOCAL NUMBER, (D-4-4)23bbb-2.

LOCATION.--Lat 40°27'42", long 111°28'15", Hydrologic Unit 16020203. Owner: Shirley Lewis.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 36 in., depth 25 ft.

DATUM.--Elevation of land-surface datum is 5,426 ft above NGVD of 1929. Measuring point: Top of timber over well, .82 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.68 ft below land-surface datum, Jun 28, 1993; lowest, 24.68 ft below land-surface datum, Sep 24, 2001. Well dry Oct, Nov, 2002 and May 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	D	DEC 18	24.58	FEB 20	22.65	APR 29	24.33	JUN 26	23.34	AUG 20	22.87
NOV 21	D	JAN 29	22.26	MAR 25	23.66	MAY 21	D	JUL 29	22.44	SEP 23	24.71

WATER YEAR 2003 HIGHEST 22.26 JAN 29, 2003 LOWEST 24.71 SEP 23, 2003

D dry at 25 feet.

402937111214901. LOCAL NUMBER, (D-4-5)3dcc-1.

LOCATION.--Lat 40°29'37", long 111°21'49", Hydrologic Unit 16020203. Owner: Brad Baird.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 75 ft.

DATUM.--Elevation of land-surface datum is 5,880 ft above NGVD of 1929. Measuring point: Top of casing, 1.60 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, June 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.88 ft below land-surface datum, Jun 26, 1997; lowest, 43.42 ft below land-surface datum, Mar 25, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	32.66	DEC 18	39.18	FEB 20	42.79	APR 24	42.41	JUN 30	16.50	AUG 20	21.60
NOV 21	36.61	JAN 29	41.37	MAR 25	43.42	MAY 27	32.03	JUL 29	19.52	SEP 25	25.72

WATER YEAR 2003 HIGHEST 16.50 JUN 30, 2003 LOWEST 43.42 MAR 25, 2003

402946111233901. LOCAL NUMBER, (D-4-5)4ccb-1.

LOCATION.--Lat 40°29'46", long 111°23'39", Hydrologic Unit 16020203. Owner: Dan Giles.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERSISTICS.--Diameter 6 in., depth 217 ft.

DATUM.--Elevation of land-surface datum is 5,700 ft above NGVD of 1929. Measuring point: Top of plug hole in cap 1.75 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--February 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 98.45 ft below land-surface datum, Aug 25, 1998; lowest, 158.39 ft below land-surface datum, Jan 31, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	150.64	DEC 18	155.77	FEB 20	156.32	APR 24	156.39	JUN 26	144.75	AUG 20	146.05
NOV 21	153.96	JAN 29	157.14	MAR 25	155.96	MAY 21	153.44	JUL 29	146.81	SEP 25	146.43

WATER YEAR 2003 HIGHEST 144.75 JUN 26, 2003 LOWEST 157.14 JAN 29, 2003

WASATCH COUNTY--Continued

402842111223601. LOCAL NUMBER, (D-4-5)4ddd-1.

LOCATION.--Lat 40°28'42", long 111°22'36", Hydrologic Unit 16020203. Owner: Tressa McDonald Mair.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,798 ft above NGVD of 1929. Measuring point: Top of door covering well, 0.1 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1939, September 1951 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 10.88 ft below land-surface datum, Jun 22, 1998; lowest, 49.83 ft below land-surface datum, Jan 31, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	38.37	DEC 18	46.84	FEB 20	23.54	APR 24	P	JUN 30	P	AUG 20	23.52
NOV 21	45.39	JAN 29	35.83	MAR 25	43.13	MAY 27	23.22	JUL 29	22.60	SEP 25	28.78

WATER YEAR 2003 HIGHEST 22.60 JUL 29, 2003 LOWEST 46.84 DEC 18, 2002

P Pumping

403022111240801. LOCAL NUMBER, (D-4-5)5abb- 1.

LOCATION.--Lat 40°30'22", long 111°24'08", Hydrologic Unit 16020203. Owner: Heber City Corporation.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 12 in., depth 375 ft.

DATUM.--Elevation of land-surface datum is 5,640 ft above NGVD of 1929. Measuring point: Top of hole in cap 1.85 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--January 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 12.99 ft below land-surface datum, Sep 21, 1998; lowest 50.78 ft below land-surface datum, Aug 21, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	30.35	DEC 18	30.62	FEB 20	33.75	APR 29	32.48	JUN 26	30.35	AUG 20	47.44
NOV 26	30.78	JAN 29	31.51	MAR 25	33.21	MAY 21	29.74	JUL 31	48.38	SEP 25	32.44

WATER YEAR 2003 HIGHEST 29.74 MAY 21, 2003 LOWEST 48.38 JUL 31, 2003

403003111255801. LOCAL NUMBER, (D-4-5)6bcc- 2.

LOCATION.--Lat 40°30'03", long 111°25'58", Hydrologic Unit 16020203. Owner: Erma Moulton.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--

DATUM.--Elevation of land-surface datum is 5,530 ft above NGVD of 1929. Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 4.00 ft below land-surface datum, Jul 19, 1996; lowest, 42.66 ft below land-surface datum, Apr 29, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	36.55	DEC 18	P	FEB 20	41.66	APR 29	42.66	JUN 26	37.80	AUG 20	35.29
NOV 26	38.26	JAN 29	P	MAR 25	42.24	MAY 21	41.45	JUL 29	36.07	SEP 23	33.73

WATER YEAR 2003 HIGHEST 33.73 SEP 23, 2003 LOWEST 42.66 APR 29, 2003

P Pumping

WASATCH COUNTY--Continued

402856111252701. LOCAL NUMBER, (D-4-5)7cad-1.

LOCATION.--Lat 40°28'56", long 111°25'27", Hydrologic Unit 16020203. Owner: Heber City Corp. (Airport)

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 155 ft.

DATUM.--Elevation of land-surface datum is 5,615 ft above NGVD of 1929. Measuring point: Top of well cover, 8.0 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--June 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 60.23 ft below land-surface datum, Aug 10, 1995; lowest, 127.26 ft below land-surface datum, Feb 26, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	116.50	DEC 18	121.01	FEB 24	O	APR 29	O	JUN 26	120.85	AUG 25	114.34
NOV 21	117.94	JAN 29	126.07	MAR 25	O	MAY 27	O	JUL 27	117.70	SEP 23	111.59

WATER YEAR 2003 HIGHEST 111.59 SEP 23, 2003 LOWEST 126.07 JAN 29, 2003

O Obstruction

402857111245601. LOCAL NUMBER, (D-4-5)7dad-1.

LOCATION.--Lat 40°28'57", long°111 24'56", Hydrologic Unit 16020203. Owner: Wayne Fox.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 160 ft.

DATUM.--Elevation of land-surface datum is 5,660 ft above NGVD of 1929. Measuring point: Top of casing, 1.95 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--January 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 84.59 ft below land-surface datum, Aug 24, 1998; lowest, 155.87 ft below land-surface datum, Apr 24, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 08	145.07	DEC 18	149.50	FEB 24	153.79	APR 24	155.87	JUN 26	O	AUG 25	O
NOV 21	146.98	JAN 29	152.53	MAR 25	154.73	MAY 27	154.39	JUL 29	O	SEP 23	140.93

WATER YEAR 2003 HIGHEST 140.93 SEP 23, 2003 LOWEST 155.87 APR 24, 2003

O Obstruction

402904111225801. LOCAL NUMBER, (D-4-5)9dbb-1.

LOCATION.--Lat 40°29'04", long 111°22'58", Hydrologic Unit 16020203. Owner: Ernest Blodgett.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 8 in., depth 320 ft.

DATUM.--Elevation of land-surface datum is 5,770 ft above NGVD of 1929. Measuring point: Top of casing, 1.4 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--February 1997 to April 2003 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 148.50 ft below land-surface datum, Jul 29, 1997; lowest, 211.09 ft below land-surface datum, May 18, 1999.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	165.76	NOV 21	165.86	DEC 18	177.90	JAN 29	166.20	MAR 25	166.61

WATER YEAR 2003 HIGHEST 165.76 OCT 28, 2002 LOWEST 177.90 DEC 18, 2002

WASATCH COUNTY--Continued

402840111213801. LOCAL NUMBER, (D-4-5)15aab-1.

LOCATION.--Lat 40°28'40", long 111°21'38", Hydrologic Unit 16020203. Owner: Doyle Sweat.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 150 ft.

DATUM.--Elevation of land-surface datum is 5,900 ft above NGVD of 1929. Measuring point: Lip of plug hole, 1.06 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to May 1990, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.00 ft below land-surface datum, May 28, 1990; lowest, 22.62 ft below land-surface datum, Aug 02, 1994.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	18.03	DEC 18	18.55	FEB 20	18.09	APR 24	18.94	JUN 30	18.58	AUG 25	20.62
NOV 21	18.34	JAN 29	17.94	MAR 25	17.95	MAY 26	19.24	JUL 31	20.10	SEP 23	20.24

WATER YEAR 2003 HIGHEST 17.94 JAN 29, 2003 LOWEST 20.62 AUG 25, 2003

402839111221101. LOCAL NUMBER, (D-4-5)15bab-1.

LOCATION.--Lat 40°28'39", long 111°22'11", Hydrologic Unit 16020203. Owner: Theon Sweat.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 6 in., depth 165 ft.

DATUM.--Elevation of land-surface datum is 5,850 ft above NGVD of 1929. Measuring point: Lip of access hole, 5.90 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--July 1988 to August 1989, May 1993 to current year

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 120.72 ft below land-surface datum, Jun 19, 1996; lowest, 137.37 ft below land-surface datum, Apr 21, 1998.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	131.02	DEC 18	132.69	FEB 20	132.43	APR 24	129.92	JUN 30	130.12	AUG 25	133.71
NOV 21	130.82	JAN 29	132.65	MAR 25	133.45	MAY 27	130.76	JUL 31	129.32	SEP 23	129.04

WATER YEAR 2003 HIGHEST 129.04 SEP 23, 2003 LOWEST 133.71 AUG 25, 2003

402840111232201. LOCAL NUMBER (D-4-5)16bab-1.

LOCATION.--Lat 40°28'40", long 111°23'22", Hydologic Unit 16020203. Owner: Randy Wade.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 8 in.

DATUM.--Elevation of land-surface datum is 5,780 ft above NGVD of 1929. Measuring point: Top of casing, 0.55 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--February 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 184.65 ft below land-surface datum, Aug 21, 1997; lowest, 244.07 ft below land-surface datum, Dec 18, 2002.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	238.65	DEC 18	244.07	FEB 20	238.49	APR 24	236.77	JUN 30	232.99	AUG 25	233.43
NOV 21	243.88	JAN 29	238.37	MAR 25	239.04	MAY 27	O	JUL 29	232.42	SEP 23	233.11

WATER YEAR 2003 HIGHEST 232.42 JUL 29, 2003 LOWEST 244.07 DEC 18, 2002

O Obstruction

WASATCH COUNTY--Continued

402750111232701. LOCAL NUMBER, (D-4-5)16ccd-1.

LOCATION.--Lat 40°27'50", long 111°23'27", Hydrologic Unit 16020203. Owner: Blaine Webster.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Diameter 8 in., depth 150 ft.

DATUM.--Elevation of land-surface datum is 5,850 ft above NGVD of 1929. Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--October 1988 to August 1989, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 75.93 ft below land-surface datum, Sep 25, 1996; lowest, 104.01 ft below land-surface datum, Dec 22, 2000.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	94.78	DEC 18	98.41	FEB 24	94.90	APR 24	77.26	JUN 26	90.24	AUG 25	87.81
NOV 21	97.69	JAN 29	94.74	MAR 25	96.52	MAY 27	86.66	JUL 29	87.78	SEP 23	86.80

WATER YEAR 2003 HIGHEST 77.26 APR 24, 2003 LOWEST 98.41 DEC 18, 2002

402810111241601. LOCAL NUMBER (D-4-5)17caa-1.

LOCATION.--Lat 40°28'10", long 111°24'16", Hydrologic Unit 16020203. Owner: Dennis Tack.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.-- Diameter 6 in., depth 470 ft.

DATUM.--Elevation of land-surface datum is 5,770 ft above NGVD of 1929. Measuring point: Top of casing, 1.5 ft above land- surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--January 1997 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 210.49 ft below land-surface datum, Aug 24, 1998; lowest, 264.65 ft below land-surface datum, May 27, 2003.

WATER LEVELS IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	P	DEC 18	259.90	FEB 24	261.89	APR 24	P	JUN 26	264.48	AUG 25	261.10
NOV 21	261.18	JAN 29	261.10	MAR 25	P	MAY 27	264.65	JUL 29	262.75	SEP 23	259.55

WATER YEAR 2003 HIGHEST 259.55 SEP 23, 2003 LOWEST 264.65 MAY 27, 2003

P pumping

WEBER COUNTY

411544111461001. LOCAL NUMBER, (A-6-2)18bad-1.

LOCATION.--Lat 41°15'44", long 111°46'10", Hydrologic Unit 16020102. Owner: U.S. Bureau of Reclamation.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled observation artesian well, diameter 8 in., depth 155 ft, perforated 105-115 ft, 125-145 ft.

DATUM.--Land-surface datum is 4,924 ft above NGVD of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--January 1956 to March 1966, October 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.93 ft below land-surface datum, Jun 5, 1985; lowest, 34.96 ft below land-surface datum, Nov 30, 1956.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	26.52	25.79	24.62	24.55	24.06	23.75	22.31	20.77	20.11	23.20	23.50	25.94
10	26.69	25.57	24.60	24.94	24.03	23.69	21.95	20.29	19.43	23.83	23.99	25.55
15	26.42	25.11	25.00	24.84	23.80	23.21	21.53	20.10	19.81	24.11	24.77	25.39
20	26.34	25.38	26.13	24.76	23.63	22.95	21.48	20.10	20.41	24.08	24.83	25.61
25	26.27	25.42	24.78	24.59	23.49	22.79	21.12	20.51	19.47	23.86	24.39	26.55
EOM	25.97	24.90	25.12	24.24	23.63	22.52	20.98	20.78	20.01	24.18	26.49	28.03

411348112013601. LOCAL NUMBER, (B-6-2)26ada-1.

LOCATION.--Lat 41°13'48", long 112°01'36", Hydrologic Unit 16020102. Owner: Amalgamated Sugar Company.

AQUIFER.--Unconsolidated alluvium.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in. and 16 in., depth 600 ft, cased to 400 ft.

DATUM.--Land-surface datum is 4,275 ft above NGVD of 1929. Measuring point: Top of casing, 0.10 ft below land-surface datum.

REMARKS.--Records good.

PERIOD OF RECORD.--August 1935 to December 1950, January 1953 to October 1961, February 1963 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 20.50 ft above land-surface datum, Mar 11, 1937; lowest, 23.37 ft. below land-surface datum, Sep 19, 21, 22, 23, 2003.

DEPTH TO WATER LEVEL, FEET BELOW LAND SURFACE
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MINIMUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.89	21.33	20.18	19.44	18.71	18.34	18.25	18.30	18.69	19.95	22.02	23.24
10	22.65	20.98	20.08	19.28	18.64	18.36	18.32	18.28	18.97	20.05	22.33	23.26
15	22.38	20.79	19.96	19.17	18.53	18.31	18.29	18.29	19.31	20.30	22.62	23.35
20	22.08	20.60	19.83	19.06	18.48	18.31	18.30	18.34	19.63	20.75	22.88	23.36
25	21.80	20.38	19.78	18.98	18.42	18.33	18.27	18.37	19.79	21.18	23.05	23.34
EOM	21.53	20.26	19.59	18.82	18.39	18.32	18.30	18.49	19.90	21.70	23.18	23.29

WASATCH COUNTY

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	PH (UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	TEMPER-ATURE (DEG C)	HARDNESS (CA, MG) (MG/L)	DISSOLVED CALCIUM, (CA) (MG/L)
403146111272701	(D-3-4)26dba-1	--	19	07-31-03	7.2	680	13.5	320	97.6
403325111254601	(D-3-5)18cba-1	100VLFL	--	08-20-03	7.6	330	9.0	150	42.5
403004111280301	(D-4-4) 2bcd-1	--	105	07-31-03	7.0	1400	14.5	640	174
402842111263101	(D-4-4)12dcc-1	100VLFL	--	08-20-03	7.2	490	--	270	75.4
402937111214901	(D-4-5) 3dcc-1	100VLFL	75	06-30-03	7.1	450	10.5	210	70.3
402946111233901	(D-4-5) 4ccb-1	100VLFL	217	07-09-03	6.9	340	14.0	170	53.6
402842111223601	(D-4-5) 4ddd-1	--	56	07-09-03	6.9	235	15.0	110	35.9
403003111255801	(D-4-5) 6bcc-2	--	--	08-20-03	7.2	395	15.5	200	62.5
402840111232201	(D-4-5)16bab-1	--	--	06-30-03	7.3	580	13.5	280	78.4
402750111232701	(D-4-5)16ccd-1	100VLFL	150	07-09-03	7.4	430	11.5	230	56.3

LOCAL IDENTIFIER	DATE OF SAMPLE	DISSOLVED MAGNESIUM, (MG) (MG/L)	DISSOLVED POTASSIUM (K) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	ALKALINITY (CACO3) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SIO2) (MG/L)
(D-3-4)26dba-1	07-31-03	18.8	6.27	16.6	252	17.4	.6	17.5
(D-3-5)18cba-1	08-20-03	10.3	2.68	9.54	134	9.14	<.2	20.7
(D-4-4) 2bcd-1	07-31-03	50.1	12.7	57.5	357	56.1	.8	14.1
(D-4-4)12dcc-1	08-20-03	18.8	1.34	9.79	220	17.1	<.2	19.5
(D-4-5) 3dcc-1	06-30-03	8.98	3.23	7.22	184	11.2	<.2	38.3
(D-4-5) 4ccb-1	07-09-03	8.26	2.36	5.14	137	7.90	<.2	39.9
(D-4-5) 4ddd-1	07-09-03	4.81	2.03	6.78	87	8.23	<.2	27.0
(D-4-5) 6bcc-2	08-20-03	11.8	2.25	7.40	165	10.8	<.2	26.7
(D-4-5)16bab-1	06-30-03	21.6	1.77	14.2	264	15.2	<.2	29.7
(D-4-5)16ccd-1	07-09-03	22.7	1.17	7.75	198	9.48	<.2	11.7

LOCAL IDENTIFIER	DATE OF SAMPLE	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DISSOLVED NITRITE + NITRATE (N) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	DISSOLVED BORON (B) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
(D-3-4)26dba-1	07-31-03	70.0	402	1.48	E.02	106	E6	E.3
(D-3-5)18cba-1	08-20-03	16.2	193	<.06	<.04	43	1800	80.3
(D-4-4) 2bcd-1	07-31-03	312	894	.45	<.04	352	746	174
(D-4-4)12dcc-1	08-20-03	20.6	303	1.81	.05	58	E7	.5
(D-4-5) 3dcc-1	06-30-03	6.4	281	5.58	.10	39	E6	1.4
(D-4-5) 4ccb-1	07-09-03	12.8	223	2.52	.09	44	10	3.4
(D-4-5) 4ddd-1	07-09-03	19.4	157	.18	.05	34	17	.8
(D-4-5) 6bcc-2	08-20-03	23.8	253	2.07	.05	45	14	3.5
(D-4-5)16bab-1	06-30-03	20.9	349	2.12	.04	59	<8	E.4
(D-4-5)16ccd-1	07-09-03	27.2	258	.67	<.04	37	E6	.5

Remark codes used in this report:
< --Less than
E --Estimated value

MISCELLANEOUS WATER-QUALITY DATA
OQUIRRH MOUNTAINS, TOOELE COUNTY, UTAH,
SURFACE- AND GROUND-WATER MONITORING PROGRAM

KENNECOTT UTAH COPPER ANALYSIS

STATION NUMBER	LOCAL IDENTIFIER	DATE AS MM-DD/ YYYY	PH, WATER, WHOLE, FIELD, STANDARD UNITS	SPECIFIC CONDUC-TANCE (US/CM)	TEMPERA-TURE, WATER (DEG. C)	CALCIUM, , UNFIL-TERED (MG/L AS CA)	MAGNE-SIUM, UNFILTERED (MG/L AS MG)	POTASSIUM, UNFILTERED, (MG/L AS K)	SODIUM, UNFILTERED (MG/L AS NA)	ALKALINITY, FILTERED, LAB., AS CACO3 (MG/L)	CHLORIDE, WATER, FILTERED, (MG/L AS CL)
402923112072301	(C-4-3)12aac	12-10-2002	7.3	1070	--	163	54.0	3.6	44.0	244	54.0
402923112072301	(C-4-3)12aac	03-25-2003	7.3	1120	--	132	54.0	3.6	41.0	249	52.0
402923112072301	(C-4-3)12aac	06-16-2003	7.4	1110	--	143	50.4	2.6	33.0	245	52.0
402923112072301	(C-4-3)12aac	07-31-2003	7.3	1120	--	157	55.0	2.5	37.0	246	48.0
403636112152401	(C-2-4)26ddd-S1	07-15-2003	7.4	630	16.2	51.0	26.0	2.1	31.0	253	37.0
403835112171801	(C-2-4)15cac-S1	07-15-2003	7.4	1930	17.4	101	44.0	8.4	241	248	338
403457112113401	(C-3-3)4ccb	07-21-2003	7.3	640	10.2	70.0	34.0	1.3	36.0	281	38.0
403547112155101	(C-2-4)35dcc-1	07-01-2003	--	3070	22.0	205	131	7.6	198	194	722
403547112155102	(C-2-4)35dcc-2	07-01-2003	--	4780	18.5	427	223	6.6	213	142	1260
403547112155103	(C-2-4)35dcc-3	07-01-2003	--	1220	17.3	101	39.0	2.9	97.0	206	153
403309112115501	(C-3-3)17ddc	07-21-2003	7.4	560	9.3	67.0	37.0	.9	14.0	234	12.0
403258112123201	(C-3-3)20bad-S1	07-21-2003	7.5	505	11.9	66.0	30.0	1.7	18.0	192	23.0
403258112123201	(C-3-3)20bad-S1	10-30-2002	7.4	500	7.7	58.0	28.0	1.6	15.0	180	14.0
403258112123201	(C-3-3)20bad-S1	01-27-2003	7.8	490	6.5	61.0	29.0	2.1	19.0	178	13.0
403258112123201	(C-3-3)20bad-S1	04-29-2003	--	--	--	53.0	25.0	1.7	13.0	194	14.0
403139112054601	(C-3-2)29cbd-1	11-07-2002	--	2120	8.0	350	120	6.1	44.0	216	43.0
403139112054601	(C-3-2)29cbd-1	03-12-2003	8.2	2060	--	361	123	4.8	33.0	218	40.0
403139112054601	(C-3-2)29cbd-1	05-20-2003	7.8	2030	--	342	115	4.1	28.0	216	40.0
403139112054601	(C-3-2)29cbd-1	09-22-2003	7.8	2030	--	305	95.0	3.5	23.0	203	37.0
404202112064701	(C-1-2)30cac-1	10-24-2002	7.3	1280	--	62.0	34.0	12.9	148	216	227
404202112064701	(C-1-2)30cac-1	04-04-2003	7.2	1240	--	60.0	34.0	13.0	149	225	232
404202112064701	(C-1-2)30cac-1	07-07-2003	7.2	1320	--	75.0	35.0	10.4	151	227	230
404202112064701	(C-1-2)30cac-1	01-08-2003	7.2	1300	--	62.0	36.0	12.5	145	219	222
403241112053301	(C-3-2)20bdd-1	09-23-2003	7.0	911	--	100	38.0	15.7	71.0	171	182
403241112053302	(C-3-2)20bdd-2	09-24-2003	7.4	387	--	46.0	15.0	2.6	13.0	115	41.0
403140112054601	(C-3-2)29cbd-2	12-05-2002	--	--	--	656	188	9.0	55.0	194	115
403140112054601	(C-3-2)29cbd-2	01-22-2003	6.1	3030	--	624	194	14.9	81.0	187	116
403140112054601	(C-3-2)29cbd-2	06-19-2003	6.0	3030	--	599	158	6.8	46.0	123	110
403140112054601	(C-3-2)29cbd-2	09-02-2003	6.1	2760	--	606	183	7.8	52.0	188	116
403151112112001	(C-3-3)28bcd-2	10-02-2002	--	--	--	432	131	4.3	16.0	246	17.0
403151112112001	(C-3-3)28bcd-2	10-22-2002	7.1	2230	--	445	140	3.0	7.0	243	16.0
403151112112001	(C-3-3)28bcd-2	01-22-2003	7.4	2120	--	402	130	4.5	18.0	242	15.0
403151112112001	(C-3-3)28bcd-2	05-12-2003	6.9	1960	--	392	122	3.0	14.8	240	19.0
403151112112001	(C-3-3)28bcd-2	09-29-2003	6.4	2160	--	457	130	3.6	15.0	207	18.0
403225112085701	(C-3-3)23cdc-1	10-02-2002	--	--	--	325	202	7.7	34.0	260	48.0
403225112085701	(C-3-3)23cdc-1	10-22-2002	7.2	2370	--	334	208	5.9	25.0	252	49.0
403225112085701	(C-3-3)23cdc-1	12-20-2002	7.2	2080	--	281	218	7.5	36.0	260	48.0
403225112085701	(C-3-3)23cdc-1	03-27-2003	7.2	2230	--	332	211	6.8	34.0	263	50.0
403225112085701	(C-3-3)23cdc-1	09-05-2003	6.9	2210	--	334	205	6.6	32.0	240	48.0
404242112131102	(C-1-3)30aad-2	10-10-2002	7.4	900	--	74.0	36.0	6.3	93.0	217	64.0

KENNECOTT UTAH COPPER ANALYSIS

STATION NUMBER	SILICA, UNFILTERED (MG/L AS SIO2)	SULFATE, UNFILTERED (MG/L AS SO4)	SOLIDS, RESIDUE, EVAPORATION, AT 180 DEG. C (MG/L)	NITRATE, UNFILTERED (MG/L AS N)	NITRITE,, UNFILTERED (MG/L AS N)	ARSENIC, FILTERED, (UG/L AS AS)	CADMIUM, FILTERED (UG/L AS CD)	COPPER, FILTERED (UG/L AS CU)	IRON,, FILTERED (UG/L AS FE)	LEAD, FILTERED (UG/L AS PB)	MANGANESE, FILTERED, (UG/L AS MN)	MERCURY, WATER, FILTERED, (UG/L AS HG)	ZINC, WATER, FILTERED (UG/L AS ZN)
402923112072301	16.0	297	759	<.20	<.050	11.0	<1	<20	<300	<5	100	<.20	160
402923112072301	16.0	323	770	<.20	<.050	12.0	<1	<20	<300	<5	70	<.20	150
402923112072301	15.0	330	800	<.20	<.050	14.0	<1	<20	170	<5	20	<.20	110
402923112072301	16.0	291	770	<.20	<.050	14.0	<1	<20	<300	<5	90	<.20	140
403636112152401	10.0	46.0	370	<.05	.200	<5.0	<1	<20	<300	<5	<10	<.20	<10
403835112171801	20.0	137	1150	<.05	1.60	<5.0	<1	<20	<300	<5	<10	<.20	<10
403457112113401	9.00	80.0	580	.10	<.050	<5.0	<1	<20	<300	<5	<10	<.20	50
403547112155101	30.0	108	1730	<.05	20.0	61.0	<1	<20	<300	<5	<10	<.20	20
403547112155102	26.0	193	2910	<.05	31.0	6.0	<1	<20	<300	<5	<10	<.20	10
403547112155103	23.0	94.0	690	<.05	5.50	5.0	<1	<20	<300	<5	<10	<.20	10
403309112115501	8.00	85.0	290	<.05	.700	<5.0	<1	<20	<300	<5	<10	<.20	20
403258112123201	6.00	75.0	250	<.05	1.20	<5.0	<1	<20	<300	<5	<10	<.20	<10
403258112123201	10.0	58.0	303	<.05	.900	<5.0	<1	<20	<300	<5	<10	<.20	<10
403258112123201	10.0	58.0	260	<.05	.900	<5.0	<1	<20	<300	<5	20	<.20	<10
403258112123201	9.00	58.0	290	<.05	.900	<5.0	<1	<20	<300	<5	<10	<.20	<10
403139112054601	28.0	1160	1670	<.20	<.050	14.0	M	<20	<300	<5	2310	<.20	3070
403139112054601	27.0	1030	1680	<.20	<.050	10.0	M	<20	<300	<5	1990	<.20	2840
403139112054601	28.0	923	1720	<.20	<.050	9.0	M	<20	<300	<5	2070	<.20	2720
403139112054601	26.0	1110	1710	<.20	<.050	12.0	M	<20	<300	<5	2000	<.20	3360
404202112064701	16.0	69.0	743	1.00	<.050	10.0	<1	<20	<300	<5	<10	<.20	<10
404202112064701	16.0	72.0	702	1.20	<.050	7.0	<1	<20	<300	<5	<10	<.20	<10
404202112064701	16.0	68.0	690	1.20	--	7.0	<1	<20	<300	<5	<10	<.20	10
404202112064701	16.0	72.0	780	1.20	<.050	9.0	<1	<20	<300	<5	<10	<.20	<10
403241112053301	82.0	51.0	650	--	--	6.0	<1	<20	300	<5	<10	--	<10
403241112053302	18.0	26.0	240	--	--	14.0	<1	40	<300	<5	10	<.20	<10
403140112054601	27.0	1860	3160	<.20	<.050	1130	20	80	82700	<5	13300	<.20	31300
403140112054601	23.0	1790	3100	<.20	<.050	876	30	100	73600	<5	15600	<.20	40000
403140112054601	28.0	1990	3030	<.20	<.050	982	20	100	73500	<5	11100	<.20	25800
403140112054601	27.0	1960	3220	<.20	<.050	889	30	130	79300	<5	11900	<.20	31200
403151112112001	--	1120	2020	<.20	<.050	--	--	<20	2080	--	2120	--	--
403151112112001	26.0	1080	1920	<.20	<.050	36.0	<1	<20	2960	<5	1940	<.20	1020
403151112112001	25.0	1100	1930	<.20	<.050	27.0	<1	<20	2250	<5	1410	<.20	560
403151112112001	25.0	1150	1770	<.20	<.050	27.0	<1	<20	1250	M	1230	<.20	770
403151112112001	27.0	1380	2150	<.20	<.050	49.0	M	<20	5750	<5	2410	<.20	3210
403225112085701	--	1130	2100	<.20	<.050	--	--	<20	<300	--	2400	--	--
403225112085701	28.0	1150	2120	<.20	<.050	10.0	<1	<20	<300	<5	2330	<.20	380
403225112085701	28.0	1300	2060	<.20	<.050	14.0	<1	<20	1710	<5	2390	<.20	460
403225112085701	26.0	1340	2060	<.20	<.050	9.0	<1	<20	<300	<5	2600	<.20	450
403225112085701	28.0	1270	2080	<.20	<.050	13.0	<1	20	<300	<5	2700	<.20	650
404242112131102	15.0	219	610		--	<5.0	<1	30	<300	<5	<10	--	<10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Water-quality measurements in the following table were made as part of the National Water-Quality Assessment Program (NAWQA) Carbonate Aquifer Major Aquifer Study to monitor conditions in the carbonate aquifer of eastern Nevada and western Utah. Data in this table are from western Utah.

STATION NUMBER	STATION NAME	DATE	TIME	SAMPLE TYPE	DEPTH OF WELL, (FEET BELOW LAND SURFACE)	DEPTH TO WATER LEVEL (FEET BELOW LAND SURFACE)	FLOW RATE OF WELL (GAL/MIN) (00058)	TURBIDITY, FIELD, (NTU) (61028)	BARO-METRIC PRESSURE, (MM HG) (00025)	DISSOLVED OXYGEN, (MG/L) (00300)
402636111545101	(C-4-1)26adc-1	05/12/2003	1300	Environmental	1030	-185	E 150	.4	649	2.7
400652112261801	(C-8-5)17ccc-1	05/13/2003	1200	Environmental	800	174.4	900	.1	631	2.6
404040112143301	(C-2-4)1aca-1	05/14/2003	0100	Environmental	1020	185	1300	2.3	648	8
400026111484301	(D-9-1)27acb-1	05/20/2003	1200	Environmental	432	--	E 100	.1	650	4.8
	(D-9-1)27acb-1	05/20/2003	1201	Replicate	432	--	E 100	.1	--	4.8
402956114024001	(C-4-19)7abc-S2	05/27/2003	1500	Environmental	1	0	0.13	.1	664	4.4
392737114021201	(C-15-19)31cbd-S1	05/28/2003	1300	Environmental	3	--	56	.2	640	6.3
395027113234001	(C-11-14)23dcd-S1	05/29/2003	1200	Environmental	5	--	--	4.9	656	5
	(C-11-14)23dcd-S1	05/29/2003	1202	Spike	5	--	--	4.9	656	5
402645112265101	(C-4-5)30aac-2	06/02/2003	1300	Environmental	710	415	415	.2	634	5.5
414023112180701	(B-11-4)21acd-1	06/03/2003	1600	Environmental	278	244.26	0.18	9.8	652	3.5
402236111575101	(C-5-1)20aaa-1	06/04/2003	1300	Environmental	980	--	1200	.3	645	1
	(C-5-1)20aaa-1	06/04/2003	1305	Blank	--	--	--	--	--	--

STATION NAME	DATE	DISSOLVED OXYGEN (PERCENT OF SATURATION) (00301)	PH, WATER, FIELD, (STANDARD UNITS) (00400	PH, WATER, LABORA-TORY, (STANDARD UNITS) (00403)	SPECIFIC CONDUC-TANCE (US/CM AT 25 DEG C) (00095)	TEMPER-ATURE, AIR, (DEG C) (00020)	TEMPER-ATURE, WATER (DEG C) (00010)	CALCIUM, FILTERED (MG/L AS CA) (00915)	MAGNE-SIUM, FILTERED (MG/L AS MG) (00925)	POTASSIUM, FILTERED (MG/L AS K) (00935)	SODIUM, FILTERED (MG/L AS NA) (00930))
(C-4-1)26adc-1	05/12/2003	37	8.8	8.6	290	22	23	21.7	11.1	4.23	11.6
(C-8-5)17ccc-1	05/13/2003	33	7.7	7.8	560	18.5	17.5	42	23.1	2.24	28.7
(C-2-4)1aca-1	05/14/2003	89	7.4	7.7	490	17	12.5	61.9	17.7	.96	11
(D-9-1)27acb-1	05/20/2003	58	7.4	7.5	790	19	17.5	48.6	19	15.6	78.6
(D-9-1)27acb-1	05/20/2003	58	7.4	7.6	790	19	17.5	48.5	19	15.4	79.7
(C-4-19)7abc-S2	05/27/2003	67	7	7.2	9030	--	28	154	52.5	117	1660
(C-15-19)31cbd-S1	05/28/2003	96	7.4	7.4	510	32.5	28	49.7	16.5	3.7	26.6
(C-11-14)23dcd-S1	05/29/2003	76	7.2	7.4	3210	38	29	93.2	50	40.5	436
(C-11-14)23dcd-S1	05/29/2003	76	7.2	7.4	3210	38	29	--	--	--	--
(C-4-5)30aac-2	06/02/2003	75	7.4	7.6	800	27.5	21.5	58	28.7	2.86	43
(B-11-4)21acd-1	06/03/2003	48	7.5	7.6	2360	24.5	23	43.5	27.2	18.3	375
(C-5-1)20aaa-1	06/04/2003	14	7.3	7.5	1700	24.5	23.5	82.1	39.4	9.61	189
(C-5-1)20aaa-1	06/04/2003	--	--	7.6	--	--	--	.13	E.005	<.16	.34

STATION NAME	DATE	ALKALINITY, FIELD, FILTERED (MG/L AS CACO3) (39086)	BICAR-BONATE, FIELD, FILTERED (MG/L) (00453)	CAR-BONATE, FIELD, FILTERED (MG/L) (00452)	BROMIDE, FILTERED (MG/L AS BR) (71870)	CHLORIDE, FILTERED (MG/L AS CL) (00940)	FLUORIDE, FILTERED (MG/L AS F) (00950)	SILICA, FILTERED (MG/L AS SI) (00955)	SULFATE, FILTERED (MG/L AS SO4) (00945)	RESIDUE ON EVAP AT 180 DEG C (MG/L) (70300)	AMMONIA PLUS ORG-N, FILTERED (MG/L AS N) (00623)
(C-4-1)26adc-1	05/12/2003	71	77	5	.06	43.2	.37	.6	.3	144	.24
(C-8-5)17ccc-1	05/13/2003	154	188	--	.07	67.8	.4	14.4	24.3	308	<.10
(C-2-4)1aca-1	05/14/2003	217	265	--	E .01	14.2	<.17	6.35	18.8	269	E .05
(D-9-1)27acb-1	05/20/2003	232	283	--	.09	66.2	1.2	19.9	63.7	460	<.10
(D-9-1)27acb-1	05/20/2003	232	283		.1	66.9	1.2	19.9	63.8	466	<.10
(C-4-19)7abc-S2	05/27/2003	245	297	--	2.25	2750	.8	22.1	239	5120	<.10
(C-15-19)31cbd-S1	05/28/2003	200	244	--	.09	24.6	.6	22.4	20.9	297	<.10
(C-11-14)23dcd-S1	05/29/2003	254	310	--	.54	632	1.2	20	360	1900	<.10
(C-11-14)23dcd-S1	05/29/2003	--	--	--	--	--	--	--	--	--	--
(C-4-5)30aac-2	06/02/2003	156	190	--	.12	133	.3	24.9	37.6	446	<.10
(B-11-4)21acd-1	06/03/2003	276	337	--	.38	502	.5	27.9	86.5	1300	E .06
(C-5-1)20aaa-1	06/04/2003	203	248	--	.3	274	2.3	16.1	228	1030	<.10
(C-5-1)20aaa-1	06/04/2003	--	--	--	<.02	<.20	<.2	1.41	<.2	<10	<.10

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--CONTINUED

STATION NAME	AMMONIA, FILTERED (MG/L AS N) (00608)	NITRITE + NITRATE, FILTERED (MG/L AS N) (00631)	NITRITE, FILTERED (MG/L AS N) (00613)	ORTHO-PHOSPHATE, FILTERED (MG/L AS P) (00671)	ORGANIC CARBON, FILTERED (MG/L) (00681)	COLIPAGE F-SPEC, FAMP, 2-STEP PRES(1) ABS(2)/L (99335)	COLIPAGE SOM, EC CN13HST 2-STEP, PRES(1) ABS(2)/L (99332)	E COLI, MI MF, (COL/100 ML) (09001)	TOTAL COLIFORM, MI MF, (COL/ 100 ML) (90900)	ALUMI-NUM, FILTERED (UG/L AS AL) (01106)	ANTIMONY, FILTERED (UG/L AS SB) (01095)	ARSENIC, FILTERED (UG/L AS AS) (01000)
(C-4-1)26adc-1	.22	<.06	<.008	.03	.4	2	2	0	0	< 2	<.30	3.7
(C-8-5)17ccc-1	<.04	.07	<.008	<.02	<.3	2	2	0	0	E 1	<.30	10.1
(C-2-4)1aca-1	<.04	.71	<.008	<.02	.4	2	2	0	0	< 2	<.30	1.8
(D-9-1)27acb-1	<.04	1.09	<.008	<.02	E .2	2	2	0	0	< 2	E .18	9
(D-9-1)27acb-1	<.04	1.1	<.008	<.02	E .2	--	--	--	--	< 2	E .21	9.1
(C-4-19)7abc-S2	<.04	.41	<.008	<.02	<.3	2	2	0	0	< 6	<1.20	7.2
(C-15-19)31cbd-S1	<.04	.73	<.008	<.02	<.3	2	2	0	8	< 2	<.30	3.2
(C-11-14)23dcd-S1	<.04	.16	<.008	<.02	<.3	2	2	0	0	< 3	E .58	12.5
(C-11-14)23dcd-S1	--	--	--	--	--	--	--	--	--	--	--	--
(C-4-5)30aac-2	<.04	.48	<.008	<.02	<.3	2	2	0	0	< 2	<.30	1.2
(B-11-4)21acd-1	<.04	3.38	<.008	<.02	<.3	2	2	0	0	M	E .20	.7
(C-5-1)20aaa-1	<.04	.09	<.008	<.02	<.3	2	2	0	0	E 1	<.30	13.4
(C-5-1)20aaa-1	<.04	<.06	<.008	<.02	<.3	--	--	--	--	16	<.30	<.3

STATION NAME	BARIUM, FILTERED (UG/L AS BA) (01005)	BERYL-LIUM, FILTERED (UG/L AS BE) (01010)	BORON, FILTERED (UG/L AS B) (01020)	CADMIUM, FILTERED (UG/L AS CD) (01025)	CHROMIUM, FILTERED (UG/L AS CR) (01030)	COBALT FILTERED (UG/L AS CO) (01035)	COPPER, FILTERED (UG/L AS CU) (01040)	IRON FILTERED (UG/L AS FE) (01046)	LEAD, FILTERED (UG/L AS PB) (01049)	LITHIUM, FILTERED (UG/L AS LI) (01130)	MANGAN-ESE, FILTERED (UG/L AS MN) (01056)	MOLYB-DENUM, FILTERED (UG/L AS MO) (01060)
(C-4-1)26adc-1	548	<.06	38	<.04	<.8	.06	E .1	47	E .05	24.5	70.4	6.7
(C-8-5)17ccc-1	121	<.06	97	<.04	<.8	.08	.4	65	.28	37.7	2.2	2.1
(C-2-4)1aca-1	124	<.06	18	.04	<.8	.14	6.7	<10	2.91	6.3	.4	.5
(D-9-1)27acb-1	55	<.06	222	<.04	<.8	.13	1.5	30	.63	121	.8	4.2
(D-9-1)27acb-1	55	E .04	223	<.04	<.8	.12	1.4	32	.66	110	< 2.0	4.1
(C-4-19)7abc-S2	71	<.24	972	<.15	E .7	.36	4.1	< 200	E .17	1700	1.9	5.7
(C-15-19)31cbd-S1	80	<.06	86	<.04	E .7	.11	1.4	< 8	E .05	29.8	.4	1.9
(C-11-14)23dcd-S1	26	E .06	947	<.07	<.8	.2	2	E 12	<.16	556	E .3	6.9
(C-11-14)23dcd-S1	--	--	--	--	--	--	--	--	--	--	--	--
(C-4-5)30aac-2	86	<.06	73	E .03	E .4	.17	2.7	10	1.84	28.2	.6	1
(B-11-4)21acd-1	40	<.06	309	E .03	<.8	.24	2	52	<.08	172	46.9	3
(C-5-1)20aaa-1	32	<.06	302	.05	<.8	.26	4.9	11	.58	173	.6	6.6
(C-5-1)20aaa-1	M	<.06	< 7	<.04	<.8	<.01	E .2	< 8	E .05	<.5	<.2	<.3

STATION NAME	NICKEL, FILTERED (UG/L AS NI) (01065)	SELEN IUM, FILTERED (UG/L AS SE) (01145)	SILVER, FILTERED (UG/L AS AG) (01075)	STRONT-IUM, FILTERED (UG/L AS SR) (01080)	THALLIUM, FILTERED (UG/L AS TL) (01057)	VANADIUM, FILTERED (UG/L AS V) (01085)	ZINC, FILTERED (UG/L AS ZN) (01090)	2,6-DI-ETHYL-ANILINE, FILTERED (0.7U GF UG/L) (82660)	CIAT, FILTERED (UG/L) (04040)	ACETO-CHLOR, FILTERED (UG/L) (49260)	ALACHLOR, FILTERED (UG/L) (46342)	ALPHA-HCH, FILTERED UG/L) (34253)
(C-4-1)26adc-1	.82	<.5	<.20	334	<.04	.6	13	<.006	<.006	<.006	<.004	<.005
(C-8-5)17ccc-1	1.54	E .3	<.20	395	.07	2.2	12	<.006	<.006	<.006	<.004	<.005
(C-2-4)1aca-1	2.82	1.4	<.20	113	.08	1.7	11	<.006	<.006	<.006	<.004	<.005
(D-9-1)27acb-1	4.21	3	<.20	797	.08	2.9	34	<.006	E.007	<.006	<.004	<.005
(D-9-1)27acb-1	4.1	2.9	<.20	782	.07	2.8	32	<.006	E.007	<.006	<.004	<.005
(C-4-19)7abc-S2	7.08	E 1.2	<.80	2720	2.07	5.4	E 3	<.006	<.006	<.006	<.004	<.005
(C-15-19)31cbd-S1	2.37	.5	<.20	276	.09	5.4	M	<.006	<.006	<.006	<.004	<.005
(C-11-14)23dcd-S1	3.51	E .7	<.40	1580	.3	4.1	2	<.006	<.006	<.006	<.004	<.005
(C-11-14)23dcd-S1	--	--	--	--	--	--	--	.13	E.095	.14	.131	.103
(C-4-5)30aac-2	1.29	.7	<.20	457	<.04	2.8	19	<.006	<.006	<.006	<.004	<.005
(B-11-4)21acd-1	2.92	1.2	<.20	1540	.05	1.8	2	<.006	E.005	<.006	<.004	<.005
(C-5-1)20aaa-1	5.85	1.1	<.20	4320	1.71	3.5	38	<.006	<.006	<.006	<.004	<.005
(C-5-1)20aaa-1	<.06	<.5	M	.52	<.04	<.1	M	<.006	<.006	<.006	<.004	<.005

STATION NAME	ATRAZINE , FILTERED (UG/L) (39632)	AZINPHOS-METHYL, FILTERED (0.7U GF UG/L) (82686)	BENFLUR-ALIN, FILTERED (0.7U GF UG/L) (82673)	BUTYLATE, FILTERED (UG/L) (82673)	CARBARYL, FILTERED (0.7U GF UG/L) (82680)	CARBO-FURAN, FILTERED (0.7U GF UG/L) (82674)	CHLOR-PYRIFOS, FILTERED (UG/L) (38933)	CIS-PER-METHRIN FILTERED (0.7U GF UG/L) (82687)	CYANA-ZINE, FILTERED (UG/L) (04041)	DCPA, FILTERED (0.7U GF UG/L) (82682)	DESULF-INYL FIPRPONIL, FILTERED (UG/L) 62170)	DIAZINON, FILTERED (UG/L) (39572)
(C-4-1)26adc-1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(C-8-5)17ccc-1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(C-2-4)1aca-1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(D-9-1)27acb-1	.019	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(D-9-1)27acb-1	.018	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(C-4-19)7abc-S2	<.007	<.050	<.010	<.002	<.041	E.045	<.005	<.006	<.018	<.003	<.004	<.005
(C-15-19)31cbd-S1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(C-11-14)23dcd-S1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(C-11-14)23dcd-S1	.127	E.159	.097	.118	E.152	E.154	.097	.087	.154	.1	<.004	.126
(C-4-5)30aac-2	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(B-11-4)21acd-1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(C-5-1)20aaa-1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005
(C-5-1)20aaa-1	<.007	<.050	<.010	<.002	<.041	<.020	<.005	<.006	<.018	<.003	<.004	<.005

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--CONTINUED

STATION NAME	DIELDRIN, FILTERED (UG/L) (39381)	DISUL-FOTON, FILTERED (0.7U GF UG/L) (82677)	EPTC, FILTERED (0.7U GF UG/L) (82668)	ETHAL-FLURALIN, FILTERED (0.7U GF UG/L) (82663)	ETHOPROP FILTERED, (0.7U GF UG/L) (82672)	DESULF-INYL-FIPRONIL AMIDE, FILTERED (UG/L) (62169)	FIPRONIL SULFIDE, FILTERED (UG/L) (62167)	FIPRONIL SULFONE, FILTERED (UG/L) (62168)	FIPRONIL, FILTERED (UG/L) (62166)	FONOFOS, FILTERED (UG/L) (04095)	LINDANE, FILTERED (UG/L) (39341)	LINURON, FILTERED (0.7U GF UG/L) (82666)
(C-4-1)26adc-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-8-5)17ccc-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-2-4)1aca-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(D-9-1)27acb-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(D-9-1)27acb-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-4-19)7abc-S2	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-15-19)31cbd-S1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-11-14)23dcd-S1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-11-14)23dcd-S1	.109	.05	.103	.124	.104	<.009	<.005	<.005	<.007	.091	.097	.167
(C-4-5)30aac-2	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(B-11-4)21acd-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-5-1)20aaa-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035
(C-5-1)20aaa-1	<.005	<.02	<.002	<.009	<.005	<.009	<.005	<.005	<.007	<.003	<.004	<.035

STATION NAME	MALATHION, FILTERED (UG/L) (39532)	METHYL PARATHION, FILTERED (0.7U GF UG/L) (82667)	METOLA-CHLOR, FILTERED (UG/L) (39415)	METRI-BUZIN, FILTERED (UG/L) (82630)	MOLINATE, FILTERED (0.7U GF UG/L) (82671)	NAPROP-AMIDE, FILTERED (0.7U GF UG/L) (82684)	P,P'-DDE, FILTERED (UG/L) (34653)	PARA-THION, FILTERED (UG/L) (39542)	PEBULATE, FILTERED (0.7U GF UG/L) (82669)	PENDI-METHALIN, FILTERED (0.7U GF UG/L) (82683)	PHORATE, FILTERED (0.7U GF UG/L) (82664)	PROME-TON, FILTERED (UG/L) (04037)
(C-4-1)26adc-1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(C-8-5)17ccc-1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(C-2-4)1aca-1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(D-9-1)27acb-1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	M
(D-9-1)27acb-1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	M
(C-4-19)7abc-S2	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(C-15-19)31cbd-S1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(C-11-14)23dcd-S1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(C-11-14)23dcd-S1	.131	.131	.139	.121	.106	.118	.075	.106	.111	.101	.089	.14
(C-4-5)30aac-2	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(B-11-4)21acd-1	<.027	<.020	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(C-5-1)20aaa-1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01
(C-5-1)20aaa-1	<.027	<.006	<.013	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.011	<.01

STATION NAME	PRON-AMIDE, FILTERED (0.7U GF UG/L) (82676)	PROPA-CHLOR, FILTERED (UG/L) (04024)	PROPANIL, FILTERED UG/L) (82679)	PROPAR-GITE, FILTERED (0.7U GF UG/L) (82685)	SIMAZINE, FILTERED (UG/L) (04035)	TEBU-THIURON, FILTERED (0.7U GF UG/L) (82670)	TERBACIL, FILTERED (0.7U GF UG/L) (82665)	TERBUFOS, FILTERED (UG/L (86275)	THIO-BENCARB, FILTERED (0.7U GF UG/L) (82681)	TRI-ALLATE (0.7U GF UG/L) (82678)	TRI-FLUR ALIN, (0.7U GF UG/L) (82661)	1,1,1,2 - TETRA-CHLORO-ETHANE, (UG/L) (77562)
(C-4-1)26adc-1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(C-8-5)17ccc-1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(C-2-4)1aca-1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(D-9-1)27acb-1	<.004	<.010	<.011	<.02	<.005	<.02	E.020	<.02	<.005	<.002	<.009	<.03
(D-9-1)27acb-1	<.004	<.010	<.011	<.02	<.005	<.02	E.018	<.02	<.005	<.002	<.009	<.03
(C-4-19)7abc-S2	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(C-15-19)31cbd-S1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(C-11-14)23dcd-S1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(C-11-14)23dcd-S1	.111	.128	.141	.14	.117	E .18	E.150	.08	.129	.115	.097	.46
(C-4-5)30aac-2	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(B-11-4)21acd-1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(C-5-1)20aaa-1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03
(C-5-1)20aaa-1	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	<.03

STATION NAME	1,1,1-TRI-CHLORO-ETHANE, (UG/L) (34506)	1,1,2,2 - TETRA-CHLORO-ETHANE, (UG/L) (34516)	CFC-113 (UG/L) (77652)	1,1,2-TRI-CHLORO-ETHANE (UG/L) (34511)	1,1-DI-CHLORO-ETHANE, (UG/L) (34496)	1,1-DI-CHLORO-ETHENE, (UG/L) (34501)	1,1-DI-CHLORO-PROPENE (UG/L) (77168)	1,2,3,4 TETRA-METHYL-BENZENE (UG/L) (49999)	1,2,3,5 TETRA-METHYL-BENZENE (UG/L) (50000)	1,2,3-TRI-CHLORO-BENZENE (UG/L) (77613)	1,2,3-TRI-CHLORO-PROPANE (UG/L) (77443)	1,2,3-TRI-METHYL-BENZENE (UG/L) (77221)
(C-4-1)26adc-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	E .1	<.3	<.16	E .1
(C-8-5)17ccc-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(C-2-4)1aca-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(D-9-1)27acb-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(D-9-1)27acb-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(C-4-19)7abc-S2	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(C-15-19)31cbd-S1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(C-11-14)23dcd-S1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(C-11-14)23dcd-S1	.44	1.28	.39	.59	.67	.45	.61	2.1	2.4	2.5	2.84	1.1
(C-4-5)30aac-2	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(B-11-4)21acd-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(C-5-1)20aaa-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1
(C-5-1)20aaa-1	<.03	<.09	<.06	<.06	<.04	<.04	<.05	<.2	<.2	<.3	<.16	<.1

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--CONTINUED

STATION NAME	1,2,4-TRICHLOROBENZENE (UG/L) (34551)	1,2,4-TRIMETHYLBENZENE (UG/L) (77222)	DIBROMOCHLOROPROPANE (UG/L) (82625)	1,2-DIBROMOETHANE, (UG/L) (77651)	1,2-DICHLOROBENZENE (UG/L) (34536)	1,2-DICHLOROETHANE, (UG/L) (32103)	1,2-DICHLOROPROPANE, (UG/L) (34541)	1,2,4-TRIMETHYLBENZENE (UG/L) (77226)	DIBROMOCHLOROPROPANE (UG/L) (34566)	1,2-DIBROMOETHANE, (UG/L) (77173)	1,3,5-TRIMETHYLBENZENE, (UG/L) (77226)	1,3-DICHLOROBENZENE (UG/L) (34566)
(C-4-1)26adc-1	<.1	.32	<.5	<.04	<.03	<.1	<.03	.32	<.5	<.04	.15	<.03
(C-8-5)17ccc-1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(C-2-4)1aca-1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(D-9-1)27acb-1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(D-9-1)27acb-1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(C-4-19)7abc-S2	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(C-15-19)31cbd-S1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(C-11-14)23dcd-S1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(C-11-14)23dcd-S1	1.5	.54	4.4	.45	.47	2.2	.7	.54	4.4	.45	.43	.44
(C-4-5)30aac-2	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(B-11-4)21acd-1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(C-5-1)20aaa-1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03
(C-5-1)20aaa-1	<.1	<.06	<.5	<.04	<.03	<.1	<.03	<.06	<.5	<.04	<.04	<.03

STATION NAME	1,3-DICHLOROPROPANE, (UG/L) (77173)	1,4-DICHLOROBENZENE (UG/L) (34571)	2,2-DICHLOROPROPANE, (UG/L) (77170)	2, CHLOROTOLUENE (UG/L) (77275)	2-ETHYLTOLUENE (UG/L) (77220)	3-CHLOROPROPENE, (UG/L) (78109)	4-CHLOROTOLUENE (UG/L) (77277)	4-ISOPROPYLTOLUENE, (UG/L) (77356)	ACETONE (UG/L) (81552))	ACROLNITRILE, (UG/L) (34215)	BENZENE (UG/L) (34030)	BROMOBENZENE (UG/L) 81555)
(C-4-1)26adc-1	<.1	<.05	<.05	<.04	E .07	<.12	<.05	E .01	E 1	< 1	.1	<.04
(C-8-5)17ccc-1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(C-2-4)1aca-1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(D-9-1)27acb-1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(D-9-1)27acb-1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(C-4-19)7abc-S2	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(C-15-19)31cbd-S1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(C-11-14)23dcd-S1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(C-11-14)23dcd-S1	1.1	.43	.69	.41	.85	1.43	.5	.89	79	26	.51	.42
(C-4-5)30aac-2	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(B-11-4)21acd-1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(C-5-1)20aaa-1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04
(C-5-1)20aaa-1	<.1	<.05	<.05	<.04	<.06	<.12	<.05	<.12	< 7	< 1	<.04	<.04

STATION NAME	BROMOCHLOROMETHANE (UG/L) (77297)	BROMODICHLOROMETHANE, (UG/L) (32101)	BROMOETHENE (UG/L) (50002)	BROMO METHANE (UG/L) (34413)	CARBON, DISULFIDE (UG/L) (77041)	CHLOROBENZENE (UG/L) (34301)	CHLOROETHANE (UG/L) (34311)	CHLOROMETHANE (UG/L) (34418)	CIS-1,2-DICHLOROETHENE, (UG/L) (77093)	CIS-1,3-DICHLOROPROPENE (UG/L) (34704)	DIBROMOCHLOROMETHANE (UG/L) (32105)	DIBROMOMETHANE (UG/L) (30217)
(C-4-1)26adc-1	<.12	<.05	<.1	<.3	.12	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-8-5)17ccc-1	<.12	<.05	<.1	<.3	E .04	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-2-4)1aca-1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(D-9-1)27acb-1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(D-9-1)27acb-1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-4-19)7abc-S2	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-15-19)31cbd-S1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-11-14)23dcd-S1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-11-14)23dcd-S1	1.81	.5	1.7	E 3.6	.57	.42	1.2	E 2.9	.45	.73	1.6	.5
(C-4-5)30aac-2	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(B-11-4)21acd-1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-5-1)20aaa-1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05
(C-5-1)20aaa-1	<.12	<.05	<.1	<.3	<.07	<.03	<.1	<.2	<.04	<.09	<.2	<.05

STATION NAME	DICHLORODIFLUOROMETHANE (UG/L) (34668)	DICHLOROMETHANE (UG/L) (34423)	DIETHYLETHER (UG/L) (81576)	DIISOPROPYL ETHER (UG/L) (81577)	ETHYLMETHACRYLATE (UG/L) (73570)	ETHYLMETHYLKETONE (UG/L) (81595)	ETHYLBENZENE (UG/L) (34371)	HEXACHLOROBUTADIENE (UG/L) (39702)	HEXACHLOROETHANE (UG/L) (34396)	IODOMETHANE (UG/L (77424)	ISOBUTYLMETHYLKETONE (UG/L) (78133)	ISOPROPYLBENZENE (UG/L) (77223)
(C-4-1)26adc-1	<.18	<.2	<.2	<.10	<.2	< 5.0	.11	<.1	<.2	<.35	E .2	E .04
(C-8-5)17ccc-1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(C-2-4)1aca-1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(D-9-1)27acb-1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(D-9-1)27acb-1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(C-4-19)7abc-S2	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(C-15-19)31cbd-S1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(C-11-14)23dcd-S1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(C-11-14)23dcd-S1	E 3.27	1.7	1.7	.95	2.7	45.3	.44	1.1	1.7	E 4.06	5	.4
(C-4-5)30aac-2	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(B-11-4)21acd-1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(C-5-1)20aaa-1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06
(C-5-1)20aaa-1	<.18	<.2	<.2	<.10	<.2	< 5.0	<.03	<.1	<.2	<.35	<.4	<.06

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003--CONTINUED

STATION NAME	METH-ACRYLO-NITRITE (UG/L) (81593)	METHYL ACRYLATE (UG/L) (49991)	METHYL-METH-ACRYLATE (UG/L) (81597)	METHYL-TERT-PENTYL ETHER (UG/L) (50005)	META + PARA-XYLENE (UG/L) (85795)	NAPTH-ALENE, (UG/L) (34696)	METHYL N-BUTYL-KETONE (UG/L) (77103)	N-BUTYL-BENZENE (UG/L) (77342)	N-PROPYL-BENZENE (UG/L) (77224)	O-XYLENE (UG/L) (77135)	SEC-BUTYY-BENZENE (UG/L) (77350)	STYRENE (UG/L) (77128)
(C-4-1)26adc-1	< 4.0	< 2.0	<.3	<.08	E .17	<.5	<.7	<.2	E .07	E .08	<.06	<.04
(C-8-5)17ccc-1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(C-2-4)1aca-1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(D-9-1)27acb-1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(D-9-1)27acb-1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(C-4-19)7abc-S2	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(C-15-19)31cbd-S1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(C-11-14)23dcd-S1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(C-11-14)23dcd-S1	11.1	28.3	6.7	.99	1.08	4.3	7.7	1.4	.39	.54	.42	.1
(C-4-5)30aac-2	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(B-11-4)21acd-1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(C-5-1)20aaa-1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04
(C-5-1)20aaa-1	<.6	< 2.0	<.3	<.08	<.06	<.5	<.7	<.2	<.04	<.07	<.06	<.04

STATION NAME	T-BUTYL ETHYL-ETHER (UG/L) (50004)	METHYL T-BUTYL-ETHER (UG/L) (78032)	TERT-BUTYL-BENZENE (UG/L) (77353)	TETRA-CHLORO-ETHENE (UG/L) (34475)	TETRA-CHLORO-METHANE (UG/L) (32102)	TETRA-HYDRO-FURAN (UG/L) (81607)	TOLUENE (UG/L) (34010)	TRANS-1,2-DICHLORO-ETHENE (UG/L) (34546)	TRANS-1,3-DI-CHLORO-PROPENE (UG/L) (34699)	TRANS-1,4-DI-CHLORO-2-BUTENE (UG/L) (73547)	TRIBROMO-METHANE (UG/L) (32104)	TRI-CHLORO-ETHENE (UG/L) (39180)
(C-4-1)26adc-1	<.05	<.2	<.10	<.03	<.06	< 2	E .04	<.03	<.09	<.7	<.10	<.04
(C-8-5)17ccc-1	<.05	<.2	<.10	<.03	<.06	< 2	<.05	<.03	<.09	<.7	<.10	<.04
(C-2-4)1aca-1	<.05	<.2	<.10	<.03	<.06	< 2	<.05	<.03	<.09	<.7	<.10	<.04
(D-9-1)27acb-1	<.05	<.2	<.10	<.03	<.06	< 2	E .03	<.03	<.09	<.7	<.10	<.04
(D-9-1)27acb-1	<.05	<.2	<.10	<.03	<.06	< 2	E .03	<.03	<.09	<.7	<.10	<.04
(C-4-19)7abc-S2	<.05	<.2	<.10	<.03	<.06	< 2	E .01	<.03	<.09	<.7	<.10	<.04
(C-15-19)31cbd-S1	<.05	<.2	<.10	<.03	<.06	< 2	E .01	<.03	<.09	<.7	<.10	<.04
(C-11-14)23dcd-S1	<.05	<.2	<.10	<.03	<.06	< 2	E .01	<.03	<.09	<.7	<.10	<.04
(C-11-14)23dcd-S1	.45	1.9	.91	.9	.8	21	.48	.43	1.13	8.5	1.67	.42
(C-4-5)30aac-2	<.05	<.2	<.10	<.03	<.06	< 2	<.05	<.03	<.09	<.7	<.10	<.04
(B-11-4)21acd-1	<.05	<.2	<.10	<.03	<.06	< 2	<.05	<.03	<.09	<.7	<.10	<.04
(C-5-1)20aaa-1	<.05	<.2	<.10	<.03	<.06	< 2	<.05	<.03	<.09	<.7	<.10	<.04
(C-5-1)20aaa-1	<.05	<.2	<.10	<.03	<.06	< 2	<.05	<.03	<.09	<.7	<.10	<.04

STATION NAME	TRI-CHLORO-FLUORO-METHANE (UG/L) (34488)	TRI-CHLORO-METHANE (UG/L) (32106)	VINYL-CHLORIDE, (UG/L) (39175)	DEUT-ERIUM/ PROTIUM RATIO (PER MIL) (82082)	O-18/O-16 RATIO (PER MIL) (82085)	RN-222, 2-SIGMA (PCI/L) (76002)	RN-222, (PCI/L) (82303)	TRITIUM 2-SIGMA (PCI/L) (75985)	TRITIIUM (PCI/L) (07000)	URANIUM, NATURAL, FILTERED (UG/L AS U) (22703)
(C-4-1)26adc-1	<.09	<.02	<.1	-127	-16.98	20	240	--	--	<.02
(C-8-5)17ccc-1	<.09	<.02	<.1	-120	-16.04	29	760	.58	0	2.44
(C-2-4)1aca-1	<.09	<.02	<.1	-124	-16.63	30	860	--	--	1.57
(D-9-1)27acb-1	<.09	<.02	<.1	-121	-16.1	22	290	.58	1	1.47
(D-9-1)27acb-1	<.09	<.02	<.1	--	--	22	290	--	--	1.57
(C-4-19)7abc-S2	<.09	<.02	<.1	-123	-15.92	28	700	.58	.1	4.26
(C-15-19)31cbd-S1	<.09	<.02	<.1	-120	-15.77	16	30	1.1	16.4	3.03
(C-11-14)23dcd-S1	<.09	<.02	<.1	-111	-14.36	21	180	--	--	3.39
(C-11-14)23dcd-S1	1.8	.49	1.1	--	--	--	--	--	--	--
(C-4-5)30aac-2	<.09	<.02	<.1	-128	-16.81	26	470	--		1.47
(B-11-4)21acd-1	<.09	<.02	<.1	-119	-14.89	22	340	1.3	20.5	1.35
(C-5-1)20aaa-1	<.09	<.02	<.1	-125	-16.42	35	1070	--	--	3.48
(C-5-1)20aaa-1	<.09	<.02	<.1	--	--	--	--	--	--	<.02

E estimated value
< Actual value is known to be less than the value shown
M presence verified, not quantified

QUALITY OF GROUND WATER IN SELECTED DOMESTIC WELLS IN OR NEAR OILFIELD ACTIVITIES
IN DUCHESNE COUNTY, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

STATION NUMBER & LOCAL IDENTIFIER	DATE	TIME	PH, WATER, WHOLE, FIELD (STANDARD UNITS) (000400)	SPECIFIC CONDUC-TANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLOR-IDE, DIS-SOLVED (MG/L) (00940_	DEPTH OF WELL, TOTAL (FEET) (72008)	BRO-MIDE, DIS-SOLVED (MG/L) (71870)	PROTIUM RATIO, WATER, PER MIL (82082)	DEU-TERIUM 0-18 / 0-16 RATIO, WATER, UNFLTRD PER MIL (82085)
401012110292101 U(C-3-5)31dcd-1	SEP 02...	1050	8.3	620	21.0	17.0	200	E.01	-109	-13.57
401030110225701 U(C-3-4)31cab-1	SEP 02...	1120	7.3	580	17.5	8.46	70	.03	-120	-15.73
401611110251502 U(C-2-5)35bab-1	SEP 02...	1230	8.0	1000	16.0	19.9	120	.04	-126	-16.83
402116110030801 U(C-1-2)36adc-1	SEP 03...	950	7.3	335	13.5	.95	170	.02	-138	-18.25
402119110204201 U(C-1-4)33bdb-1	SEP 02...	1510	6.7	3890	13.0	205	---	.75	-103	-12.87

E Estimated value.