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, 40 ft^3/s, May 6, gage height, 5.34 ft; minimum daily discharge, 3.5 ft^3/s, Oct 2-7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.0	5.8	5.2	6.5	5.3	3.8	10	16	15	7.2	7.1	4.9
2	3.5	5.5	5.2	6.8	6.2	3.8	9.9	18	17	7.0	7.3	5.0
3	3.5	5.8	5.2	6.7	6.8	3.8	13	23	22	7.1	7.2	4.6
4	3.5	5.7	5.2	5.6	6.8	3.8	13	28	27	6.8	7.5	4.9
5	3.5	5.5	5.2	4.9	6.8	3.8	14	33	27	6.8	7.5	4.8
6	3.5	5.4	5.3	5.0	6.5	3.8	16	38	29	6.4	7.3	4.5
7	3.5	5.5	5.3	5.8	6.1	3.8	22	37	28	6.2	7.0	4.6
8	4.1	5.5	5.6	6.1	6.4	3.8	25	35	27	6.2	6.8	4.5
9	4.9	5.7	5.0	6.6	6.2	3.8	21	35	26	6.2	6.8	4.4
10	4.9	5.6	5.3	7.0	5.4	3.8	19	36	25	6.2	6.7	4.4
11	5.0	5.7	5.3	7.2	5.7	3.8	16	35	17	6.2	6.4	4.4
12	5.1	5.5	5.2	7.1	5.1	3.8	14	31	13	6.5	6.3	4.9
13	5.0	5.8	5.3	6.7	5.1	3.8	14	27	11	6.4	6.6	4.7
14	5.1	5.6	5.3	6.4	5.7	3.8	15	23	12	6.5	6.9	4.6
15	5.1	5.5	5.1	6.5	6.1	3.7	15	21	14	6.5	6.5	4.7
16	5.2	5.6	3.9	6.2	6.1	3.8	13	22	15	6.7	6.7	4.7
17	5.2	5.9	4.8	6.1	6.4	3.8	14	25	16	6.7	6.9	4.7
18	5.2	5.7	5.2	5.6	4.8	3.7	16	29	14	6.8	7.2	4.7
19	5.1	5.7	5.4	6.6	3.8	3.9	13	30	13	6.8	7.1	4.8
20	5.1	5.7	5.3	6.8	3.8	5.9	12	30	13	6.7	6.6	5.3
21	5.2	5.7	6.1	6.7	3.8	11	12	28	12	6.5	6.7	5.5
22	5.2	5.4	5.6	5.9	3.9	17	12	27	11	6.5	6.6	5.5
23	5.2	4.1	5.2	5.9	3.8	21	10	24	9.5	6.7	6.2	5.4
24	5.4	4.8	5.8	6.8	3.8	20	10	23	8.8	6.8	6.2	5.3
25	5.1	5.3	6.2	6.8	3.7	19	11	20	8.6	6.8	6.1	5.6
26	5.2	5.4	6.2	6.2	3.7	19	12	18	8.7	6.8	5.7	5.8
27	5.3	5.2	4.5	6.2	3.8	14	14	19	8.7	6.8	5.5	4.8
28	5.3	4.8	4.3	5.4	3.8	9.9	18	22	8.2	6.8	5.5	4.8
29	5.3	5.4	4.4	3.9	3.8	7.9	19	26	8.6	6.9	5.2	4.9
30	5.4	5.3	4.8	3.8	---	7.0	17	20	7.3	7.0	5.3	5.4
31	5.5	---	5.8	3.8	---	7.8	---	17	---	7.0	5.1	---
TOTAL	148.1	164.1	162.2	187.6	149.2	231.6	439.9	816	472.4	206.5	202.5	147.1
MEAN	4.78	5.47	5.23	6.05	5.14	7.47	14.7	26.3	15.7	6.66	6.53	4.90
MAX	5.5	5.9	6.2	7.2	6.8	21	25	38	29	7.2	7.5	5.8
MIN	3.5	4.1	3.9	3.8	3.7	3.7	9.9	16	7.3	6.2	5.1	4.4
AC-FT	294	325	322	372	296	459	873	1,620	937	410	402	292

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	4.66	4.66	4.12	4.09	4.16	9.37	22.3	46.8	33.5	14.4	7.50	7.19
MAX	6.73	6.94	6.03	6.05	5.55	28.8	60.6	102	88.6	47.5	10.2	10.4
(WY)	(1995)	(1995)	(1995)	(2004)	(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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	3,009.0		3,327.2			
ANNUAL MEAN	8.24		9.09		13.6	
HIGHEST ANNUAL MEAN					27.9	1998
LOWEST ANNUAL MEAN					5.99	2002
HIGHEST DAILY MEAN	60	May 30	38	May 6	208	May 1, 1998
LOWEST DAILY MEAN	3.2	Feb 22	3.5	Oct 2	2.0	Dec 26, 1993
ANNUAL SEVEN-DAY MINIMUM	3.5	Mar 13	3.6	Oct 1	2.1	Dec 22, 1993
ANNUAL RUNOFF (AC-FT)	5,970		6,600		9,850	
10 PERCENT EXCEEDS	11		20		34	
50 PERCENT EXCEEDS	5.8		6.2		5.9	
90 PERCENT EXCEEDS	4.7		3.9		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, 44 ft^3/s, May 6, 7, gage height, 1.99 ft; minimum daily discharge, 1.5 ft^3/s, Jan 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	6.3	6.6	6.5	4.9	5.0	15	18	19	11	8.0	6.4
2	4.6	6.3	6.6	7.0	6.6	5.1	16	20	20	11	8.0	6.3
3	4.2	6.5	6.6	7.2	7.7	5.0	19	24	24	11	8.0	6.2
4	4.2	6.6	6.6	5.5	8.0	4.9	20	32	28	11	8.0	6.0
5	4.2	6.6	6.6	2.7	8.0	4.9	20	38	29	10	8.2	6.0
6	4.0	6.6	6.6	1.5	7.8	5.0	23	42	31	10	8.4	6.0
7	3.9	6.5	6.6	2.3	7.6	5.0	29	41	30	9.7	8.2	5.9
8	4.0	6.3	6.7	3.3	7.7	5.1	29	39	30	9.5	8.0	5.7
9	4.6	6.4	6.6	3.9	7.3	5.3	24	41	29	9.4	7.8	5.7
10	5.1	6.3	6.6	6.2	5.8	5.4	23	39	28	9.2	7.6	5.5
11	5.2	6.3	6.6	7.4	5.6	5.3	21	39	23	9.0	7.5	5.3
12	5.5	6.4	6.6	7.6	4.3	5.3	19	35	19	9.0	7.3	5.3
13	5.5	6.8	6.6	7.6	3.7	5.3	19	31	17	9.0	7.3	5.5
14	5.5	6.9	6.8	7.0	3.9	5.3	19	28	16	8.9	7.5	5.5
15	5.5	6.6	6.7	7.2	4.8	5.4	19	26	18	9.0	7.6	5.5
16	5.5	6.7	4.5	7.4	6.0	5.2	18	25	19	9.1	7.7	5.5
17	5.7	6.9	4.3	7.6	7.4	5.2	18	27	19	9.1	8.0	5.5
18	5.7	6.9	4.5	7.0	7.6	5.1	22	32	19	9.1	8.2	5.4
19	5.6	6.6	6.2	8.2	5.9	5.2	18	34	18	9.1	8.4	5.3
20	5.7	6.6	7.0	8.4	5.2	6.2	16	33	17	8.8	8.1	5.5
21	5.7	6.6	7.8	8.0	4.9	8.7	15	30	16	8.4	8.0	5.9
22	5.7	6.6	7.6	7.4	4.9	18	15	30	15	8.4	8.0	6.0
23	5.8	4.7	7.3	6.2	4.9	22	14	27	15	8.4	7.8	6.2
24	6.0	4.7	7.3	7.6	4.9	27	14	26	14	8.4	7.6	6.3
25	6.0	5.6	7.8	8.0	4.9	27	14	23	13	8.4	7.6	6.0
26	6.0	6.2	8.4	7.9	5.4	28	14	21	14	8.4	7.5	6.3
27	6.0	6.2	7.4	7.6	5.2	22	16	21	13	8.4	7.2	6.5
28	6.0	6.1	6.2	7.7	5.1	18	19	25	13	8.4	7.0	5.9
29	6.0	6.4	4.7	6.4	5.1	14	20	27	12	8.4	7.0	5.7
30	6.2	6.6	5.6	5.5	---	13	19	24	12	8.0	6.6	5.9
31	6.3	---	6.1	5.2	---	13	---	21	---	7.8	6.6	---
TOTAL	165.1	190.8	202.1	199.0	171.1	314.9	567	919	590	283.3	238.7	174.7
MEAN	5.33	6.36	6.52	6.42	5.90	10.2	18.9	29.6	19.7	9.14	7.70	5.82
MAX	6.3	6.9	8.4	8.4	8.0	28	29	42	31	11	8.4	6.5
MIN	3.9	4.7	4.3	1.5	3.7	4.9	14	18	12	7.8	6.6	5.3
AC-FT	327	378	401	395	339	625	1,120	1,820	1,170	562	473	347

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952-80, 1994-2004, BY WATER YEAR (WY)

MEAN	10.3	9.86	9.25	9.23	10.1	13.9	40.6	76.8	56.2	25.8	14.6	11.8
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952-80, 1994-2004	
ANNUAL TOTAL	3,253.5		4,015.7			
ANNUAL MEAN	8.91		11.0		24.2	
HIGHEST ANNUAL MEAN					66.1	1952
LOWEST ANNUAL MEAN					6.59	2002
HIGHEST DAILY MEAN	52	May 30	42	May 6	580	May 2, 1952
LOWEST DAILY MEAN	3.9	Feb 8	1.5	Jan 6	1.4	Dec 26, 2001
ANNUAL SEVEN-DAY MINIMUM	4.2	Oct 2	3.6	Jan 4	2.5	Dec 23, 2001
ANNUAL RUNOFF (AC-FT)	6,450		7,970		17,530	
10 PERCENT EXCEEDS	12		24		61	
50 PERCENT EXCEEDS	6.6		7.4		12	
90 PERCENT EXCEEDS	5.4		5.1		6.3	

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. Natural flow may be affected by diversions upstream at Burriston Ponds.

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, 46 ft^3/s, Feb 26, gage height, 5.14 ft; minimum daily discharge, 2.1 ft^3/s, Aug 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	6.1	7.0	7.5	10	23	7.6	6.4	4.8	e4.3	e3.1	2.4
2	4.1	6.2	6.7	8.0	9.9	21	9.9	5.9	4.8	e4.1	e3.0	2.4
3	4.3	6.3	6.7	7.9	9.6	20	9.6	5.7	4.8	e4.2	e2.9	2.6
4	4.4	6.4	6.7	7.6	9.5	20	11	7.0	4.6	e4.1	e2.6	2.8
5	4.4	6.4	6.7	7.6	9.7	19	10	7.9	4.9	e4.0	e2.2	2.9
6	4.4	6.4	6.7	7.6	10	18	7.4	7.1	5.0	e4.1	e2.3	2.9
7	4.4	6.4	6.7	7.5	10	18	12	7.6	4.5	e4.8	e2.7	2.9
8	4.4	6.5	6.9	6.9	10	20	20	6.6	3.5	e5.3	e2.6	2.9
9	4.4	6.4	6.7	6.4	10	19	18	6.1	3.7	e4.4	e2.5	3.2
10	4.4	6.5	6.7	6.5	10	19	10	5.8	4.3	e3.5	e2.7	3.4
11	4.5	6.6	6.6	6.7	11	19	7.5	5.7	4.4	e3.4	e2.8	3.3
12	4.7	6.4	6.7	6.7	11	20	7.0	6.4	4.1	e3.8	e2.6	3.4
13	4.8	6.6	6.7	6.7	11	20	7.2	6.2	3.7	e3.1	e2.3	3.3
14	4.9	6.7	6.5	6.9	11	20	6.8	6.0	3.6	e3.6	e2.5	3.3
15	5.0	6.7	6.4	6.9	11	21	9.7	6.0	3.7	e4.2	e2.6	3.4
16	5.0	6.7	6.2	6.9	10	18	8.2	6.7	3.5	e4.3	e2.5	3.4
17	5.0	6.8	6.2	6.9	10	18	7.3	7.0	e4.5	e4.0	e2.4	3.4
18	5.0	6.7	6.3	6.8	11	19	7.7	6.6	e6.6	e3.6	e2.4	3.3
19	5.0	6.7	6.3	6.7	13	20	8.7	5.7	e4.8	e4.1	e2.5	4.2
20	5.0	6.7	6.4	6.7	16	21	7.5	5.4	e4.9	e4.6	e2.4	5.0
21	5.0	6.7	7.3	6.8	18	16	7.6	6.0	e5.0	e4.2	e2.3	4.9
22	5.1	6.7	7.1	6.9	19	18	11	5.6	e4.9	e4.3	e2.3	4.5
23	5.2	6.4	6.7	6.9	20	23	8.7	5.2	e4.6	e4.0	2.1	4.2
24	5.3	6.4	6.7	7.1	20	24	7.6	5.1	e4.6	e3.8	2.4	4.8
25	5.4	6.7	8.4	7.4	24	26	6.8	4.9	e4.6	e3.7	2.5	4.7
26	5.4	6.8	11	7.4	34	23	6.4	5.0	e4.5	e3.5	2.6	4.3
27	5.5	6.9	8.3	7.7	30	28	6.1	4.8	e4.3	e3.4	2.6	4.1
28	5.7	6.9	7.6	8.5	29	18	5.9	4.2	e4.3	e3.4	2.6	4.4
29	5.8	6.9	7.1	9.1	26	13	6.0	4.4	e4.2	e3.2	2.7	4.6
30	5.8	6.9	7.0	10	---	11	7.7	4.8	e4.8	e3.2	2.7	4.6
31	5.8	---	6.9	10	---	8.2	---	4.8	---	e3.1	2.6	---
TOTAL	152.2	197.5	215.9	229.2	433.7	601.2	266.9	182.6	134.5	121.3	79.0	109.5
MEAN	4.91	6.58	6.96	7.39	15.0	19.4	8.90	5.89	4.48	3.91	2.55	3.65
MAX	5.8	6.9	11	10	34	28	20	7.9	6.6	5.3	3.1	5.0
MIN	4.1	6.1	6.2	6.4	9.5	8.2	5.9	4.2	3.5	3.1	2.1	2.4
AC-FT	302	392	428	455	860	1,190	529	362	267	241	157	217

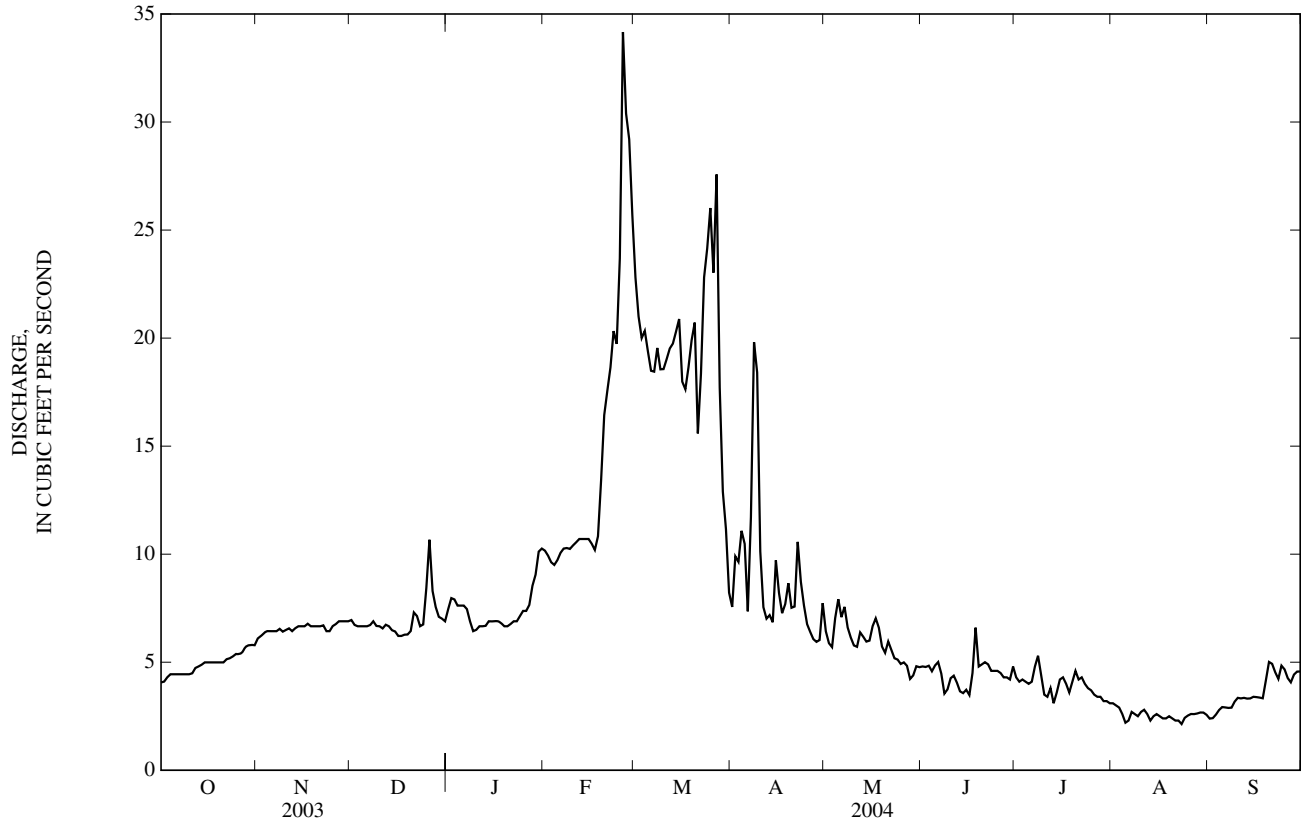
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2004, BY WATER YEAR (WY)

MEAN	18.4	23.8	25.3	29.2	38.3	46.3	44.6	46.6	29.4	12.1	10.6	12.3
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	8.90	5.89	3.93	3.19	2.55	2.66
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2002)	(2002)	(2004)	(2002)

10146400 CURRANT CREEK NEAR MONA, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979 - 2004	
ANNUAL TOTAL	2,450.0		2,723.5			
ANNUAL MEAN	6.71		7.44		28.0	
HIGHEST ANNUAL MEAN					101	1984
LOWEST ANNUAL MEAN					6.38	2003
HIGHEST DAILY MEAN	32	Mar 19	34	Feb 26	566	May 14, 1984
LOWEST DAILY MEAN	2.8	Aug 14	2.1	Aug 23	1.0	Sep 3, 2002
ANNUAL SEVEN-DAY MINIMUM	2.9	Aug 13	2.3	Aug 17	1.7	Aug 30, 2002
ANNUAL RUNOFF (AC-FT)	4,860		5,400		20,270	
10 PERCENT EXCEEDS	11		18		61	
50 PERCENT EXCEEDS	6.5		6.4		14	
90 PERCENT EXCEEDS	3.0		2.9		5.7	

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, April 2004 to September 2004.

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, 77 ft^3/s, May 7, gage height, 4.86 ft; minimum daily discharge, 32 ft^3/s, May 26, Jun 5, 6, and Jul 5, 7, 12, 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	41	35	33	37	35
2	---	---	---	---	---	---	---	44	35	33	38	35
3	---	---	---	---	---	---	---	67	34	33	38	35
4	---	---	---	---	---	---	---	67	33	33	38	36
5	---	---	---	---	---	---	---	66	32	32	38	36
6	---	---	---	---	---	---	---	66	32	33	37	35
7	---	---	---	---	---	---	---	75	33	32	37	35
8	---	---	---	---	---	---	---	74	35	33	37	35
9	---	---	---	---	---	---	---	73	35	33	38	35
10	---	---	---	---	---	---	---	73	37	33	38	35
11	---	---	---	---	---	---	---	61	35	33	37	35
12	---	---	---	---	---	---	---	38	35	32	37	35
13	---	---	---	---	---	---	---	38	35	33	37	36
14	---	---	---	---	---	---	---	38	36	32	37	36
15	---	---	---	---	---	---	39	38	36	33	37	36
16	---	---	---	---	---	---	39	37	36	33	37	36
17	---	---	---	---	---	---	39	37	36	33	37	37
18	---	---	---	---	---	---	40	36	36	33	37	37
19	---	---	---	---	---	---	39	36	35	33	36	37
20	---	---	---	---	---	---	39	36	35	33	36	37
21	---	---	---	---	---	---	40	35	35	33	36	37
22	---	---	---	---	---	---	39	35	35	33	36	37
23	---	---	---	---	---	---	39	35	34	33	36	37
24	---	---	---	---	---	---	39	34	34	33	36	37
25	---	---	---	---	---	---	40	33	34	33	36	37
26	---	---	---	---	---	---	40	32	34	34	36	37
27	---	---	---	---	---	---	40	36	34	36	36	38
28	---	---	---	---	---	---	41	36	34	37	36	37
29	---	---	---	---	---	---	41	37	34	37	36	37
30	---	---	---	---	---	---	41	36	33	37	36	37
31	---	---	---	---	---	---	---	35	---	37	36	---
TOTAL	---	---	---	---	---	---	---	1,425	1,037	1,039	1,140	1,085
MEAN	---	---	---	---	---	---	---	46.0	34.6	33.5	36.8	36.2
MAX	---	---	---	---	---	---	75	37	37	38	38	
MIN	---	---	---	---	---	---	32	32	32	36	35	
AC-FT	---	---	---	---	---	---	---	2,830	2,060	2,060	2,260	2,150

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, 29 ft^3/s, Oct 9, 12, 14, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 310 ft^3/s, Apr 12, gage height, 5.12 ft; minimum daily discharge, 33 ft^3/s, several days in Oct.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	158	35	69	71	e70	69	53	65	144	77	85	91
2	117	34	68	70	71	68	55	67	97	85	89	91
3	46	37	67	68	69	68	58	96	98	85	90	91
4	35	48	68	e70	69	68	59	98	98	86	90	91
5	35	59	71	e70	68	68	61	100	94	81	90	90
6	35	68	73	e72	68	68	62	103	85	83	84	88
7	34	68	73	73	72	67	71	118	86	81	85	88
8	34	69	73	69	69	68	67	119	90	81	86	88
9	33	70	71	70	68	68	66	116	91	79	84	89
10	33	71	72	71	73	69	65	117	96	76	83	89
11	33	69	72	70	e73	74	63	118	89	77	81	87
12	33	68	72	76	e72	73	162	129	88	77	80	86
13	34	69	72	73	e72	74	216	127	87	83	77	91
14	35	70	73	70	e70	75	187	111	85	76	78	90
15	33	69	71	70	e70	76	92	124	85	73	82	86
16	33	71	e71	e70	69	76	62	136	86	83	83	86
17	33	72	e70	e68	68	77	60	150	90	80	90	88
18	33	71	70	e68	68	77	64	199	90	81	85	91
19	33	70	71	70	69	78	97	209	89	82	83	93
20	33	71	71	70	68	80	88	211	88	80	88	94
21	33	71	73	72	69	83	72	218	92	81	91	92
22	33	70	72	e72	68	86	62	202	86	80	89	93
23	33	68	e72	e70	69	90	61	189	83	81	88	93
24	33	78	71	69	69	79	60	199	80	83	88	92
25	33	69	71	69	69	58	60	147	82	84	87	90
26	33	69	71	68	71	58	60	130	85	86	87	90
27	33	69	68	e69	69	53	61	118	84	90	86	88
28	33	69	68	70	70	51	64	110	79	90	84	92
29	33	69	e68	69	69	49	67	124	79	83	83	95
30	33	69	70	69	---	49	67	114	80	84	85	94
31	34	---	70	69	---	50	---	133	---	82	90	---
MEAN	40.5	65.3	70.7	70.2	69.6	69.3	78.1	135	89.5	81.6	85.5	90.2
MAX	158	78	73	76	73	90	216	218	144	90	91	95
MIN	33	34	67	68	68	49	53	65	79	73	77	86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2004, BY WATER YEAR (WY)

MEAN	48.9	78.7	81.6	99.5	91.1	80.4	76.8	133	244	243	218	133
MAX	53.4	97.2	100	152	131	96.8	78.1	164	341	348	300	182
(WY)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(2004)	(2002)	(2002)	(2003)	(2003)	(2003)
MIN	40.5	65.3	70.7	70.2	69.6	69.3	74.5	99.0	89.5	81.6	85.5	90.2
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2002)	(2003)	(2004)	(2004)	(2004)	(2004)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 2002 - 2004	
ANNUAL MEAN	143		78.9		128	
HIGHEST ANNUAL MEAN					159	2002
LOWEST ANNUAL MEAN					78.9	2004
HIGHEST DAILY MEAN	430	Aug 1	218	May 21	441	Jun 18, 2002
LOWEST DAILY MEAN	33	Oct 9	33	Oct 9	29	Oct 9, 2002
ANNUAL SEVEN-DAY MINIMUM	33	Oct 15	33	Oct 15	30	Oct 8, 2002
10 PERCENT EXCEEDS	338		97		299	
50 PERCENT EXCEEDS	76		73		86	
90 PERCENT EXCEEDS	46		51		62	

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, 956 ft^3/s, Apr 13, gage height, 6.12 ft; minimum discharge, 68 ft^3/s, Oct 10.

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

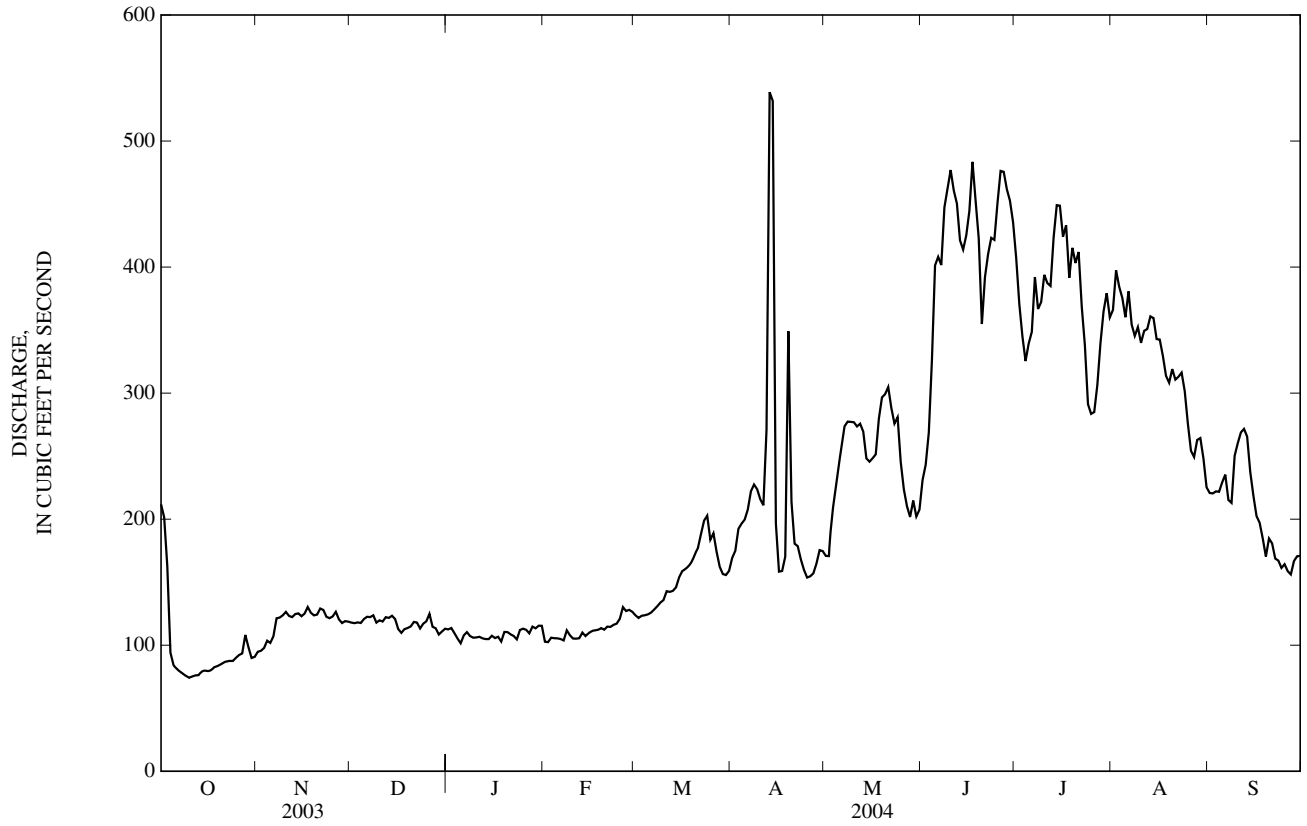
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	212	95	118	113	103	124	169	171	231	407	366	221
2	201	96	118	114	102	122	175	171	243	371	397	220
3	163	98	118	110	106	123	192	203	269	345	384	222
4	94	104	118	105	106	124	196	222	326	325	376	222
5	84	102	121	102	105	124	200	239	401	339	360	229
6	81	107	123	108	105	126	208	258	408	349	381	235
7	79	121	122	110	104	128	222	274	402	392	354	215
8	77	122	124	107	112	131	228	277	447	367	345	213
9	75	124	118	106	108	134	224	277	462	372	352	250
10	74	126	120	106	105	136	216	277	477	394	340	260
11	75	123	119	107	105	143	211	274	461	387	349	269
12	76	122	122	105	106	142	271	276	450	385	351	272
13	76	125	122	105	110	143	539	269	421	424	361	266
14	79	125	123	105	107	146	532	248	414	449	360	238
15	80	123	121	108	109	154	197	246	425	449	343	219
16	80	125	113	106	111	159	158	248	445	424	343	202
17	80	130	110	107	112	160	159	251	483	433	330	197
18	83	126	113	103	112	163	170	280	453	392	314	185
19	83	124	114	111	114	166	349	297	423	415	308	170
20	85	124	115	110	112	172	214	299	355	403	319	185
21	86	129	118	109	115	177	181	305	392	412	311	181
22	87	128	118	107	115	188	179	288	410	369	313	169
23	87	123	113	105	116	199	168	276	423	338	316	167
24	88	121	117	112	117	203	160	281	422	291	302	161
25	90	123	119	113	121	184	154	245	451	284	276	164
26	92	127	125	112	130	189	155	224	476	285	254	159
27	93	120	115	109	127	174	157	210	476	306	249	156
28	108	118	113	115	128	162	165	202	462	340	263	167
29	98	119	108	113	126	156	175	215	453	365	264	171
30	90	119	111	115	---	156	175	202	436	379	248	171
31	91	---	113	115	---	159	---	207	---	360	225	---
TOTAL	2,947	3,569	3,642	3,373	3,249	4,767	6,499	7,712	12,397	11,551	10,054	6,156
MEAN	95.1	119	117	109	112	154	217	249	413	373	324	205
MAX	212	130	125	115	130	203	539	305	483	449	397	272
MIN	74	95	108	102	102	122	154	171	231	284	225	156
AC-FT	5,850	7,080	7,220	6,690	6,440	9,460	12,890	15,300	24,590	22,910	19,940	12,210

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920 - 2004, BY WATER YEAR (WY)

MEAN	109	88.7	82.1	83.4	95.6	134	264	536	463	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1920 - 2004	
ANNUAL TOTAL	71,704		75,916			
ANNUAL MEAN	196		207		235	
HIGHEST ANNUAL MEAN					569	1984
LOWEST ANNUAL MEAN					86.2	1934
HIGHEST DAILY MEAN	479	Jun 19	539	Apr 13	3,700	May 15, 1984
LOWEST DAILY MEAN	74	Oct 10	74	Oct 10	20	Dec 9, 1951
ANNUAL SEVEN-DAY MINIMUM	76	Oct 7	76	Oct 7	27	Oct 25, 1934
ANNUAL RUNOFF (AC-FT)	142,200		150,600		169,900	
10 PERCENT EXCEEDS	385		395		506	
50 PERCENT EXCEEDS	132		166		148	
90 PERCENT EXCEEDS	105		104		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, 1,320 ft^3/s, May 6, 7, gage height, 4.78 ft; minimum discharge, 27 ft^3/s, Nov 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	58	57	52	37	42	201	348	364	137	74	34
2	48	47	43	46	43	42	219	430	413	124	82	33
3	51	58	41	46	42	45	269	578	482	117	84	34
4	55	47	40	51	43	44	267	779	515	109	80	40
5	47	57	48	50	43	44	274	997	540	102	77	42
6	63	39	53	47	41	43	287	1,120	537	96	75	39
7	41	40	70	51	41	42	296	1,130	507	90	73	37
8	47	50	46	51	43	48	292	1,060	460	87	71	36
9	46	52	35	50	42	55	283	1,130	408	81	69	34
10	50	48	46	48	38	60	251	1,160	414	63	68	34
11	54	47	50	47	40	57	223	1,130	382	73	67	33
12	59	58	52	45	37	63	217	813	343	73	68	33
13	53	44	66	44	39	65	237	654	299	74	74	35
14	47	47	46	45	40	67	264	549	264	78	72	35
15	58	52	41	46	41	68	257	490	243	80	72	34
16	44	52	36	45	41	70	238	502	229	92	73	37
17	45	44	45	41	41	74	228	565	263	100	76	41
18	45	49	48	41	41	80	235	613	299	95	78	40
19	47	e52	46	45	42	97	218	628	244	103	76	43
20	54	e52	44	45	39	120	206	618	216	84	65	52
21	37	46	46	40	42	146	207	620	209	79	63	50
22	40	41	45	38	41	177	192	595	191	72	62	49
23	42	38	40	40	42	207	179	513	175	77	60	48
24	41	58	47	43	41	216	188	480	158	71	51	47
25	44	79	46	43	41	212	181	442	166	68	47	46
26	50	53	48	42	42	211	207	397	158	78	45	45
27	41	46	43	42	41	176	271	402	158	81	44	43
28	44	47	47	44	45	164	361	446	148	76	41	44
29	44	56	47	43	45	146	377	488	143	72	39	42
30	48	77	51	43	---	154	336	409	162	70	37	42
31	50	---	55	42	---	172	---	361	---	70	36	---
TOTAL	1,476	1,534	1,468	1,396	1,194	3,207	7,461	20,447	9,090	2,672	1,999	1,202
MEAN	47.6	51.1	47.4	45.0	41.2	103	249	660	303	86.2	64.5	40.1
MAX	63	79	70	52	45	216	377	1,160	540	137	84	52
MIN	37	38	35	38	37	42	179	348	143	63	36	33
AC-FT	2,930	3,040	2,910	2,770	2,370	6,360	14,800	40,560	18,030	5,300	3,970	2,380

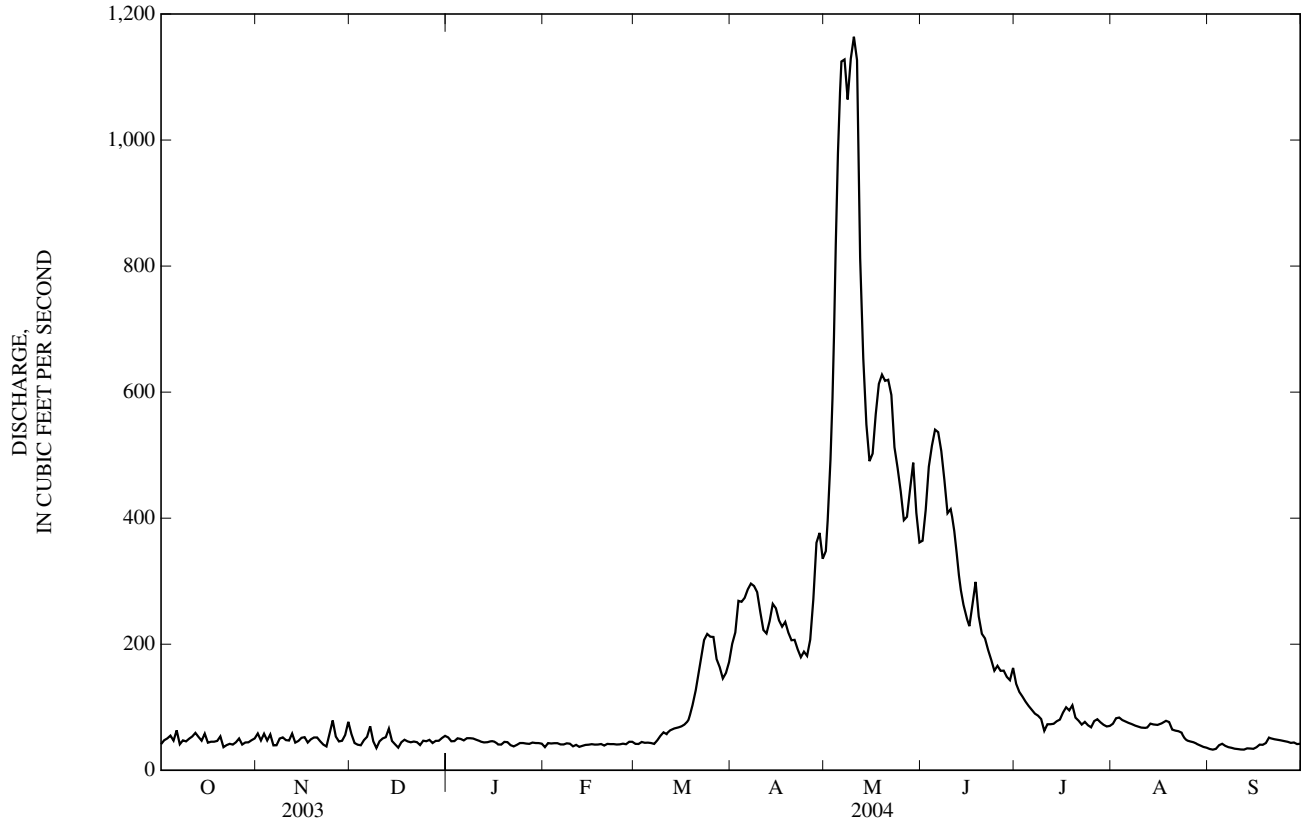
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	72.4	66.2	61.1	59.2	58.2	75.3	196	797	762	238	113	79.1
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	57,476		53,146			
ANNUAL MEAN	157		145		215	
HIGHEST ANNUAL MEAN					351	1986
LOWEST ANNUAL MEAN					71.3	1977
HIGHEST DAILY MEAN	1,990	May 26	1,160	May 10	2,530	May 28, 1979
LOWEST DAILY MEAN	33	Sep 3	33	Sep 2	24	Aug 26, 1992
ANNUAL SEVEN-DAY MINIMUM	38	Sep 2	34	Sep 9	25	Aug 24, 1992
ANNUAL RUNOFF (AC-FT)	114,000		105,400		156,000	
10 PERCENT EXCEEDS	275		404		613	
50 PERCENT EXCEEDS	56		55		78	
90 PERCENT EXCEEDS	43		40		46	

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, 2,350 ft^3/s, May 11, gage height, 8.53 ft; minimum daily discharge, 28 ft^3/s, Aug 1, 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	56	78	81	e89	e76	295	408	447	109	28	37
2	50	58	74	80	e88	e75	309	480	464	93	37	33
3	53	60	67	e75	e87	e76	395	648	552	87	43	34
4	52	62	69	e70	e86	e76	388	966	757	78	40	37
5	52	55	69	e65	e85	e76	408	1,380	814	70	37	55
6	51	63	69	e60	e84	e78	430	1,930	856	65	35	47
7	51	58	72	e70	e84	83	428	1,960	663	60	33	37
8	50	58	73	e75	e83	88	439	1,720	490	53	30	34
9	51	60	75	e74	e83	88	427	1,940	402	50	29	33
10	50	65	68	e72	e82	96	372	2,040	390	41	30	34
11	51	62	80	e70	e82	96	324	2,090	395	33	29	33
12	52	61	75	e68	e81	101	318	1,380	419	37	28	34
13	50	60	74	e66	e81	106	330	1,010	358	37	29	36
14	50	65	75	e64	e80	111	370	786	319	43	30	35
15	50	60	73	e66	e83	116	369	650	266	42	30	35
16	50	62	e65	e68	e85	118	342	605	206	46	32	35
17	48	65	e68	e70	e88	142	321	667	229	70	37	37
18	47	60	e70	e72	e90	155	347	743	292	60	38	38
19	47	62	e67	e74	e87	176	323	858	229	67	43	40
20	47	70	e64	e76	e84	196	308	933	189	60	35	51
21	46	67	62	e71	e81	227	318	944	182	52	33	54
22	45	61	64	e66	e78	263	297	917	167	45	32	52
23	45	e64	e60	e61	e75	298	262	769	150	46	43	53
24	47	e67	e70	e66	e72	332	282	706	134	41	55	48
25	47	69	74	e71	e69	326	229	554	136	40	51	48
26	46	e71	73	e75	e68	345	238	428	130	41	51	47
27	47	e73	e70	e70	e68	282	298	416	131	48	49	46
28	47	e75	e75	e65	e69	261	420	467	123	43	45	47
29	47	78	e80	e60	e73	225	479	544	115	39	43	47
30	48	86	86	e75	---	248	427	460	133	35	40	45
31	52	---	81	e90	---	265	---	460	---	33	39	---
TOTAL	1,518	1,933	2,220	2,186	2,345	5,201	10,493	29,859	10,138	1,664	1,154	1,242
MEAN	49.0	64.4	71.6	70.5	80.9	168	350	963	338	53.7	37.2	41.4
MAX	53	86	86	90	90	345	479	2,090	856	109	55	55
MIN	45	55	60	60	68	75	229	408	115	33	28	33
AC-FT	3,010	3,830	4,400	4,340	4,650	10,320	20,810	59,230	20,110	3,300	2,290	2,460

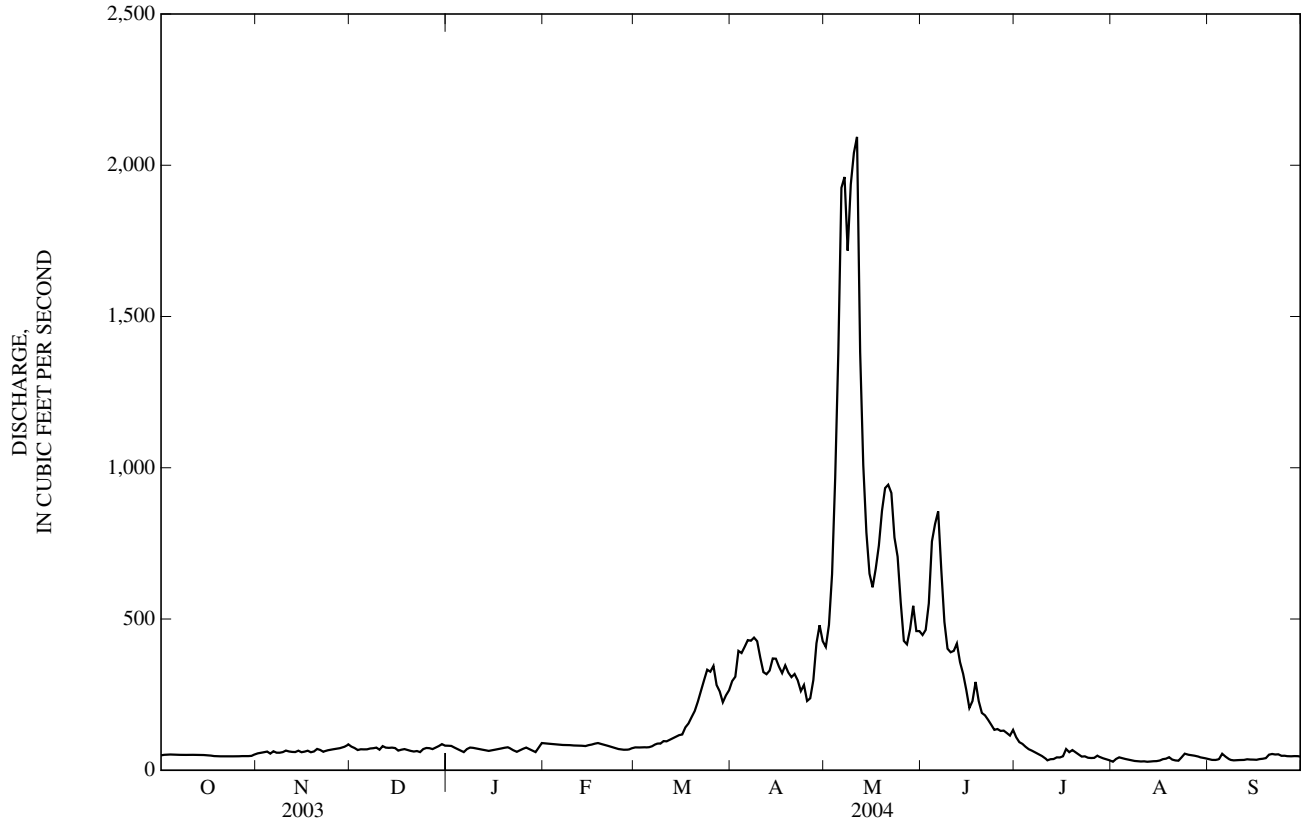
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2004, BY WATER YEAR (WY)

MEAN	86.2	96.8	91.4	86.1	91.2	117	309	1,056	927	246	94.2	78.7
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1950 - 2004	
ANNUAL TOTAL	79,414		69,953			
ANNUAL MEAN	218		191		274	
HIGHEST ANNUAL MEAN					445	1962
LOWEST ANNUAL MEAN					80.2	1977
HIGHEST DAILY MEAN	3,620	May 27	2,090	May 11	3,620	May 27, 2003
LOWEST DAILY MEAN	29	Jul 13	28	Aug 1	12	Aug 21, 1960
ANNUAL SEVEN-DAY MINIMUM	32	Jul 10	29	Aug 8	14	Jul 25, 1961
ANNUAL RUNOFF (AC-FT)	157,500		138,800		198,300	
10 PERCENT EXCEEDS	364		451		794	
50 PERCENT EXCEEDS	64		72		103	
90 PERCENT EXCEEDS	40		37		55	

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, 1,660 ft^3/s, May 23, 2004, gage height, 2.99 ft; minimum daily discharge, 113 ft^3/s, Sep 6 and Oct 10, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,660 ft^3/s, May 23, gage height, 2.99 ft; minimum daily discharge, 113 ft^3/s, Oct 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	121	126	131	138	138	e133	161	710	140	150	145
2	120	124	126	130	138	137	133	160	665	140	149	158
3	119	126	126	129	139	136	e133	147	619	143	155	155
4	116	123	126	129	138	135	e133	131	564	138	153	158
5	116	121	130	129	137	136	e133	132	512	134	151	173
6	118	123	133	129	133	137	133	131	463	130	147	173
7	119	125	134	130	133	136	133	132	419	131	151	176
8	118	126	132	130	133	137	134	133	365	132	152	185
9	116	128	130	130	133	138	134	132	312	127	152	178
10	113	131	130	130	133	141	134	131	272	134	146	170
11	114	132	131	130	132	140	133	133	240	134	145	165
12	115	129	132	131	141	140	132	136	203	132	141	172
13	117	131	132	133	131	140	130	137	163	130	148	171
14	118	132	133	133	131	140	132	136	153	127	143	167
15	122	131	133	133	132	140	145	131	150	127	137	168
16	124	133	134	133	135	140	157	127	150	151	138	180
17	122	133	134	136	136	138	154	130	150	175	145	174
18	126	132	135	137	137	138	149	131	149	165	151	158
19	129	130	135	138	137	137	144	258	149	170	153	160
20	128	129	135	138	136	136	139	623	147	165	146	170
21	121	129	137	138	136	135	144	885	147	152	150	178
22	115	129	132	137	137	134	142	1,200	143	152	158	161
23	115	129	126	138	137	134	139	1,480	138	159	165	131
24	118	129	127	138	137	134	139	1,510	136	157	164	125
25	121	129	129	138	137	134	138	1,180	138	158	158	124
26	120	128	130	138	142	137	144	1,030	140	159	149	122
27	121	128	128	138	140	135	146	983	141	159	143	123
28	122	128	128	139	139	135	155	924	146	157	142	125
29	124	129	130	138	138	134	167	866	146	152	138	136
30	123	130	130	139	---	133	172	813	135	149	145	139
31	121	---	130	138	---	e133	---	776	---	151	143	---
MEAN	120	128	131	134	136	137	141	483	266	146	149	157
MAX	129	133	137	139	142	141	172	1,510	710	175	165	185
MIN	113	121	126	129	131	133	130	127	135	127	137	122

CAL YR	2003	MEAN 150	MAX 1,350	MIN 113	
WTR YR	2004	MEAN 178	MAX 1,510	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, 1,600 ft^3/s, May 23, gage height, 5.29 ft; minimum daily discharge, 109 ft^3/s, Oct 1, Apr 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	109	122	113	128	132	129	128	147	677	134	143	139
2	115	122	113	129	130	127	127	149	628	133	143	151
3	120	123	113	126	131	128	127	139	582	136	146	150
4	114	120	112	130	130	127	126	123	523	131	144	150
5	117	119	112	125	129	128	127	125	472	125	141	159
6	119	117	116	135	127	129	127	125	427	120	137	159
7	117	119	119	127	126	129	129	127	380	118	137	160
8	118	120	121	125	127	131	128	126	330	116	135	170
9	115	122	119	124	127	134	121	124	271	111	141	161
10	113	123	117	124	126	140	120	121	234	116	137	154
11	112	126	116	127	125	141	119	124	206	118	137	151
12	112	123	118	127	129	141	114	127	180	116	134	161
13	113	125	119	129	128	141	109	127	146	115	137	162
14	113	129	119	130	127	141	112	127	134	111	131	158
15	116	125	119	130	126	135	121	124	130	114	127	159
16	119	123	117	129	124	134	145	119	130	133	127	170
17	120	122	116	129	124	133	147	119	130	157	131	169
18	121	121	116	129	126	132	144	121	122	152	136	157
19	124	121	116	128	127	132	137	221	120	156	139	157
20	123	119	117	127	127	132	132	575	117	154	131	166
21	119	119	120	127	127	126	136	868	116	145	131	171
22	112	118	120	128	126	124	134	1,190	117	138	137	160
23	111	116	116	132	126	126	135	1,490	118	140	147	135
24	111	116	116	130	127	127	135	1,530	124	140	148	127
25	112	115	118	130	128	127	136	1,180	125	140	142	125
26	119	113	126	130	135	133	130	1,010	127	142	136	123
27	121	113	127	131	133	131	124	960	127	146	131	120
28	119	112	130	130	131	130	129	901	131	142	130	122
29	120	113	134	130	130	128	145	854	133	137	127	132
30	122	111	133	130	---	127	153	798	123	138	138	136
31	120	---	129	130	---	127	---	742	---	140	139	---
TOTAL	3,616	3,587	3,697	3,986	3,711	4,070	3,897	14,613	7,180	4,114	4,240	4,514
MEAN	117	120	119	129	128	131	130	471	239	133	137	150
MAX	124	129	134	135	135	141	153	1,530	677	157	148	171
MIN	109	111	112	124	124	124	109	119	116	111	127	120
AC-FT	7,170	7,110	7,330	7,910	7,360	8,070	7,730	28,980	14,240	8,160	8,410	8,950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	139	127	130	148	163	148	138	414	480	225	150	157
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	53,984		61,225			
ANNUAL MEAN	148		167		202	
HIGHEST ANNUAL MEAN					290	1997
LOWEST ANNUAL MEAN					149	2001
HIGHEST DAILY MEAN	1,360	Jun 18	1,530	May 24	2,000	May 28, 1999
LOWEST DAILY MEAN	104	Jul 30	109	Oct 1	19	May 2, 1996
ANNUAL SEVEN-DAY MINIMUM	107	Jul 25	112	Nov 28	29	Apr 27, 1996
ANNUAL RUNOFF (AC-FT)	107,100		121,400		146,100	
10 PERCENT EXCEEDS	142		159		380	
50 PERCENT EXCEEDS	123		128		139	
90 PERCENT EXCEEDS	113		116		115	

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 except for estimated daily discharges, which are poor. 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, 54 ft^3/s, Jul 15; minimum daily discharge, 4.7 ft^3/s, Apr 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.5	10	9.5	e9.0	e8.2	13	6.0	30	34	40	20	20
2	12	9.7	8.9	e9.5	e8.0	12	6.1	24	35	44	19	18
3	11	9.9	8.2	e9.0	e7.8	12	4.7	22	32	42	17	16
4	11	10	7.8	e8.6	e7.5	12	5.2	19	32	46	19	18
5	11	11	7.7	e7.4	e7.5	12	5.4	21	35	44	17	19
6	10	12	8.1	e7.0	e7.5	13	4.8	19	33	40	17	18
7	9.9	11	8.9	e7.0	e7.8	14	4.8	18	36	43	17	18
8	9.5	9.6	9.2	e7.2	e8.0	e18	5.6	20	34	46	14	14
9	9.7	9.7	8.7	e7.5	e8.2	e21	5.6	25	35	45	14	10
10	9.2	13	8.5	e7.5	e8.0	e23	5.6	25	e47	40	13	11
11	9.2	11	8.1	e7.2	e8.0	e23	4.9	32	e46	38	12	11
12	8.8	10	7.6	e6.8	e7.8	23	4.9	35	33	44	12	10
13	7.4	13	7.6	e6.8	e8.0	20	5.3	37	29	44	11	9.4
14	7.8	14	7.8	e6.8	e8.5	16	4.9	36	31	53	16	12
15	8.9	11	7.4	e7.1	e9.5	13	7.1	34	28	54	17	16
16	11	10	7.3	e7.5	e11	11	11	33	27	46	17	15
17	11	12	7.3	e7.7	e13	9.8	8.4	30	29	32	18	14
18	11	11	6.9	e8.0	e14	9.3	10	30	41	27	16	14
19	11	9.6	6.5	e8.0	e13	8.8	12	32	38	24	16	15
20	11	9.2	6.6	e7.7	e13	8.5	18	30	39	24	16	17
21	9.2	9.1	8.1	e7.7	e12	8.2	24	30	34	24	16	16
22	9.3	8.8	8.2	e7.5	e12	8.1	24	31	34	26	15	14
23	11	8.2	8.9	e8.0	e12	7.7	20	31	33	22	15	16
24	11	8.2	9.1	e8.5	e13	8.3	20	39	35	25	20	17
25	9.7	7.9	9.8	e8.5	e13	7.3	19	38	37	23	21	17
26	8.8	8.3	e9.0	e8.0	e14	9.3	23	36	43	23	21	17
27	9.1	8.5	e8.5	e8.5	e14	8.7	33	35	46	23	22	17
28	9.0	8.6	e8.0	e9.0	13	7.9	33	38	44	22	22	17
29	9.0	9.1	e8.5	e10	13	7.3	36	47	42	23	21	17
30	9.2	9.4	e9.0	e9.0	---	6.7	34	41	48	22	17	18
31	9.6	---	e9.0	e8.5	---	6.2	---	36	---	20	20	---
TOTAL	304.8	302.8	254.7	246.5	300.3	378.1	406.3	954	1,090	1,069	528	461.4
MEAN	9.83	10.1	8.22	7.95	10.4	12.2	13.5	30.8	36.3	34.5	17.0	15.4
MAX	12	14	9.8	10	14	23	36	47	48	54	22	20
MIN	7.4	7.9	6.5	6.8	7.5	6.2	4.7	18	27	20	11	9.4
AC-FT	605	601	505	489	596	750	806	1,890	2,160	2,120	1,050	915

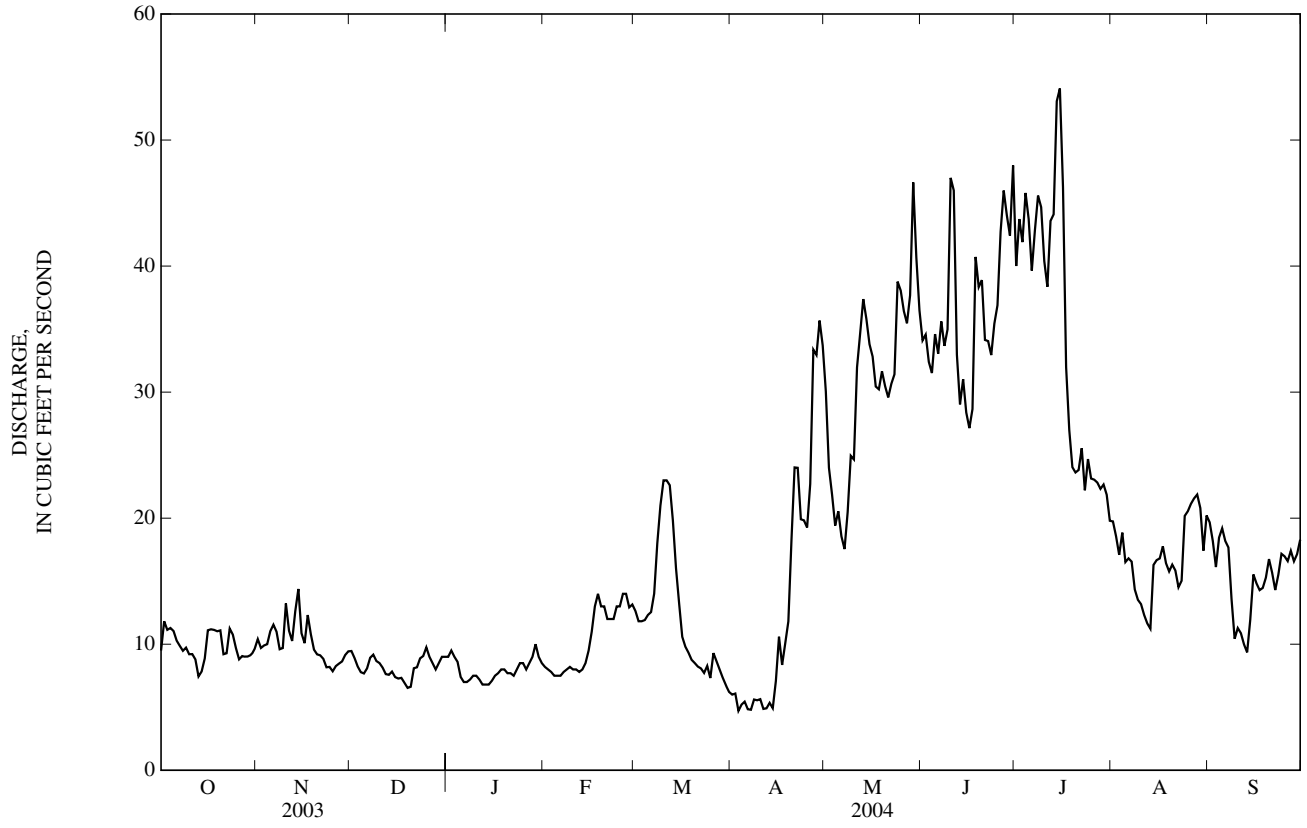
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	17.7	17.0	14.7	14.2	17.6	20.1	17.0	39.1	47.8	31.9	22.2	20.6
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	8.22	7.95	10.4	11.3	8.74	28.6	29.3	8.91	12.4	6.89
(WY)	(2001)	(2003)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2002)	(1994)	(1994)	(2000)

10155400 SPRING CREEK NEAR HEBER CITY, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	6,640.5		6,295.9			
ANNUAL MEAN	18.2		17.2		23.4	
HIGHEST ANNUAL MEAN					30.0	1995
LOWEST ANNUAL MEAN					17.2	2004
HIGHEST DAILY MEAN	135	Jun 24	54	Jul 15	135	Jun 24, 2003
LOWEST DAILY MEAN	5.9	Sep 22	4.7	Apr 3	2.8	Sep 21, 2000
ANNUAL SEVEN-DAY MINIMUM	6.4	Jan 16	5.2	Apr 3	4.3	Sep 16, 2000
ANNUAL RUNOFF (AC-FT)	13,170		12,490		16,920	
10 PERCENT EXCEEDS	44		36		42	
50 PERCENT EXCEEDS	11		12		19	
90 PERCENT EXCEEDS	7.8		7.5		9.5	

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. Gage relocated 300 ft upstream on September 13, 2004, due to river reconstruction.

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, 1,720 ft^3/s, May 24, gage height, 5.64 ft; minimum daily discharge, 129 ft^3/s, Oct 1, 4, 12, and Apr 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	151	148	154	138	146	152	189	715	194	179	179
2	132	152	147	151	138	144	153	182	666	197	179	189
3	132	153	146	150	139	143	151	171	612	198	181	191
4	129	151	145	148	137	145	152	157	552	199	182	198
5	130	149	146	147	138	144	152	161	502	193	176	207
6	131	149	149	147	136	146	152	158	455	183	173	207
7	132	149	153	148	137	149	151	160	414	184	173	205
8	132	148	153	147	137	156	151	162	362	184	168	207
9	131	149	149	147	137	168	144	162	306	179	173	197
10	130	155	149	147	135	190	143	158	291	179	170	196
11	130	155	150	146	135	183	140	166	270	179	168	184
12	129	152	149	144	134	173	137	174	237	180	166	190
13	130	158	149	145	135	169	129	182	201	178	166	190
14	132	160	149	146	135	165	131	184	191	181	168	190
15	134	154	146	145	135	159	138	180	184	183	166	192
16	140	152	144	145	135	157	161	174	184	192	166	199
17	141	156	144	143	135	155	159	170	190	200	167	199
18	141	152	144	142	136	155	160	171	197	193	170	189
19	143	150	144	142	136	153	156	258	192	191	174	190
20	144	e149	147	142	138	152	158	669	188	188	167	200
21	140	e149	152	142	139	148	168	933	182	181	166	203
22	134	149	149	142	138	145	167	1,230	183	177	169	195
23	135	147	148	141	139	146	163	1,540	180	177	178	172
24	135	146	147	140	140	149	168	1,630	186	178	185	166
25	137	147	150	140	142	149	169	1,260	188	177	184	164
26	143	147	159	140	155	158	165	1,070	196	179	179	164
27	145	145	151	139	155	157	170	1,020	199	180	177	164
28	144	146	149	139	153	154	177	955	199	178	178	163
29	148	146	152	140	149	153	199	927	199	174	174	172
30	152	146	152	140	---	152	200	856	195	176	177	183
31	151	---	152	140	---	151	---	782	---	177	179	---
TOTAL	4,236	4,512	4,612	4,469	4,036	4,814	4,716	16,191	8,816	5,709	5,378	5,645
MEAN	137	150	149	144	139	155	157	522	294	184	173	188
MAX	152	160	159	154	155	190	200	1,630	715	200	185	207
MIN	129	145	144	139	134	143	129	157	180	174	166	163
AC-FT	8,400	8,950	9,150	8,860	8,010	9,550	9,350	32,110	17,490	11,320	10,670	11,200

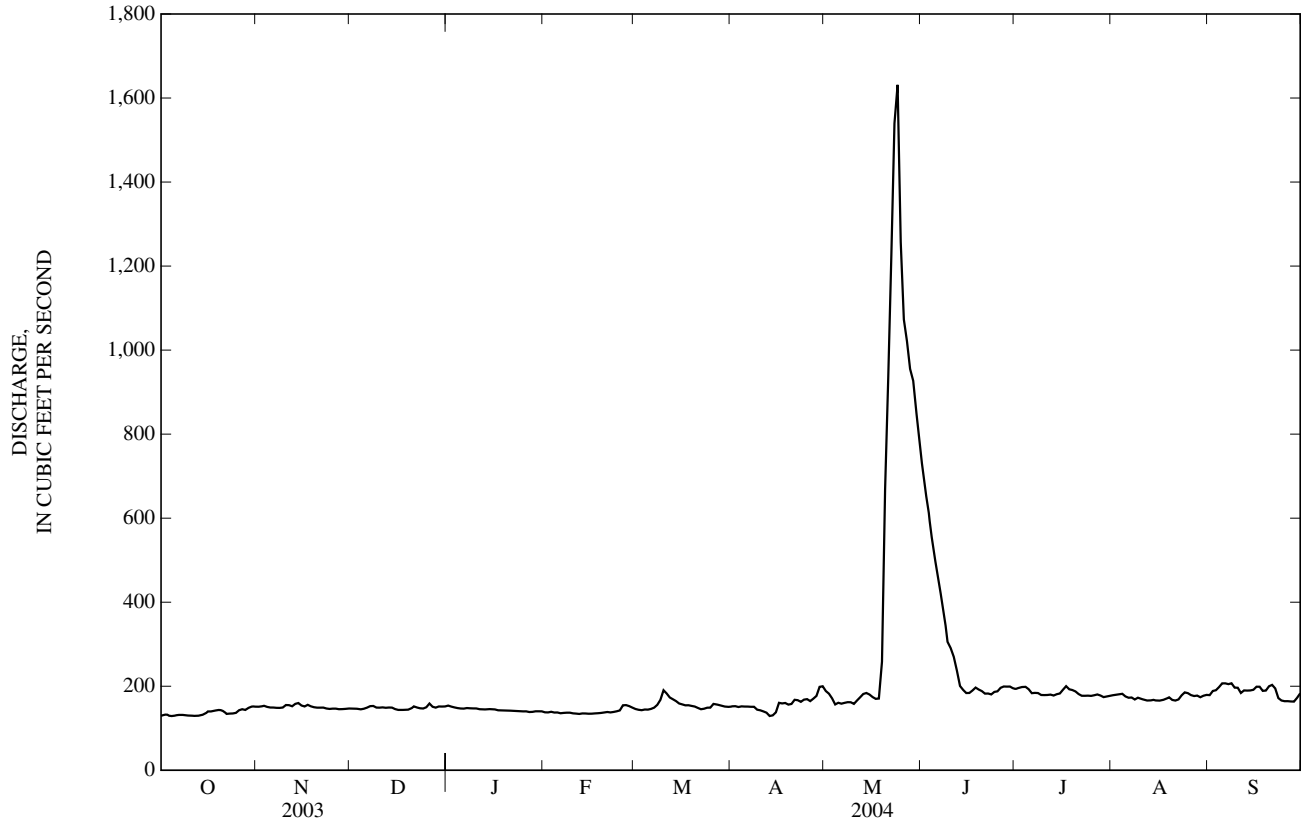
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2004, BY WATER YEAR (WY)

MEAN	153	151	148	159	170	178	170	540	561	260	158	165
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1992 - 2004	
ANNUAL TOTAL	64,231		73,134			
ANNUAL MEAN	176		200		234	
HIGHEST ANNUAL MEAN					355	1997
LOWEST ANNUAL MEAN					117	1992
HIGHEST DAILY MEAN	1,410	Jun 17	1,630	May 24	2,210	May 23, 1993
LOWEST DAILY MEAN	124	Apr 28	129	Oct 1	14	Sep 11, 1992
ANNUAL SEVEN-DAY MINIMUM	130	Sep 30	131	Oct 7	15	Sep 6, 1992
ANNUAL RUNOFF (AC-FT)	127,400		145,100		169,900	
10 PERCENT EXCEEDS	191		199		474	
50 PERCENT EXCEEDS	151		156		173	
90 PERCENT EXCEEDS	139		137		68	

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, 50 ft^3/s, Nov. 24, May 30, June 22, 23, gage height, 2.94 ft; minimum daily discharge, 25 ft^3/s, Oct 20.

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

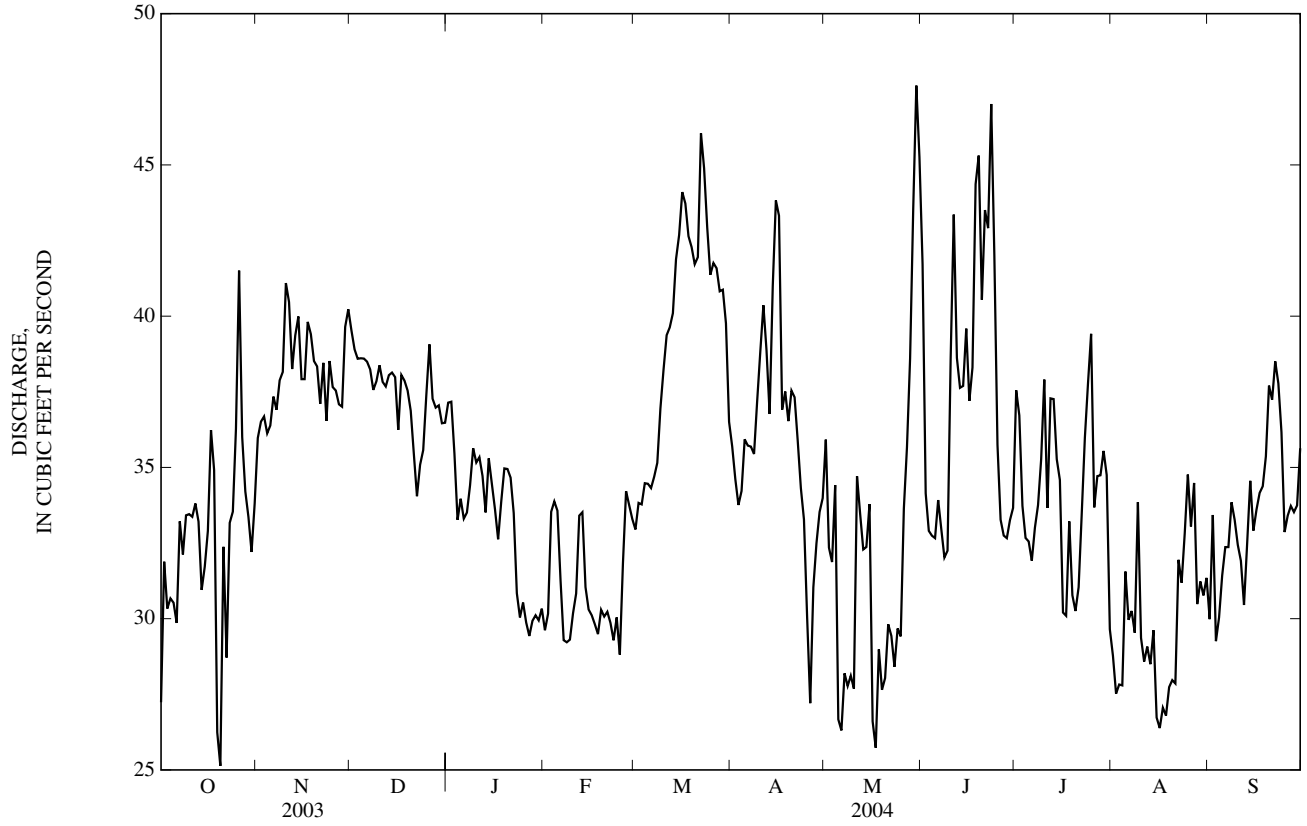
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	36	40	37	30	33	36	36	42	38	29	30
2	32	37	39	37	30	34	35	32	34	37	28	33
3	30	37	39	35	34	34	34	32	33	34	28	29
4	31	36	39	33	34	34	34	34	33	33	28	30
5	31	36	39	34	34	34	36	27	33	33	32	31
6	30	37	38	33	31	34	36	26	34	32	30	32
7	33	37	38	34	29	35	36	28	33	33	30	32
8	32	38	38	34	29	35	35	28	32	34	30	34
9	33	38	38	36	29	37	37	28	32	35	34	33
10	33	41	38	35	30	38	39	28	39	38	29	32
11	33	40	38	35	31	39	40	35	43	34	29	32
12	34	38	38	35	33	40	39	33	39	37	29	30
13	33	39	38	34	34	40	37	32	38	37	28	32
14	31	40	38	35	31	42	41	32	38	35	30	35
15	32	38	38	34	30	43	44	34	40	35	27	33
16	33	38	36	34	30	44	43	27	37	30	26	34
17	36	40	38	33	30	44	37	26	38	30	27	34
18	35	39	38	34	29	43	38	29	44	33	27	34
19	26	39	38	35	30	42	37	28	45	31	28	35
20	25	38	37	35	30	42	38	28	41	30	28	38
21	32	37	35	35	30	42	37	30	44	31	28	37
22	29	38	34	33	30	46	36	29	43	33	32	39
23	33	37	35	31	29	45	34	28	47	36	31	38
24	34	39	36	30	30	43	33	30	42	38	33	36
25	36	38	37	31	29	41	30	29	36	39	35	33
26	42	38	39	30	32	42	27	34	33	34	33	33
27	36	37	37	29	34	42	31	36	33	35	34	34
28	34	37	37	30	34	41	32	39	33	35	30	34
29	33	40	37	30	33	41	34	44	33	36	31	34
30	32	40	36	30	---	40	34	48	34	35	31	36
31	34	---	36	30	---	37	---	45	---	30	31	---
TOTAL	1,005	1,143	1,162	1,031	899	1,227	1,080	995	1,126	1,061	926	1,007
MEAN	32.4	38.1	37.5	33.3	31.0	39.6	36.0	32.1	37.5	34.2	29.9	33.6
MAX	42	41	40	37	34	46	44	48	47	39	35	39
MIN	25	36	34	29	29	33	27	26	32	30	26	29
AC-FT	1,990	2,270	2,300	2,040	1,780	2,430	2,140	1,970	2,230	2,100	1,840	2,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	46.3	47.5	43.7	42.0	41.5	44.5	44.3	51.3	55.2	42.8	39.1	40.5
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	32.4	33.8	35.5	33.3	31.0	36.2	32.7	31.4	30.0	26.3	20.5	25.8
(WY)	(2004)	(1940)	(2003)	(2004)	(2004)	(1940)	(2002)	(2002)	(2003)	(1994)	(2002)	(2003)

10156000 SNAKE CREEK NEAR CHARLESTON, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	12,476		12,662			
ANNUAL MEAN	34.2		34.6		44.8	
HIGHEST ANNUAL MEAN					55.2	1999
LOWEST ANNUAL MEAN					34.6	2004
HIGHEST DAILY MEAN	50	May 11	48	May 30	113	Jun 30, 1995
LOWEST DAILY MEAN	21	Sep 28	25	Oct 20	17	Aug 25, 2002
ANNUAL SEVEN-DAY MINIMUM	22	Sep 23	27	Aug 15	19	Aug 19, 2002
ANNUAL RUNOFF (AC-FT)	24,750		25,120		32,460	
10 PERCENT EXCEEDS	40		40		57	
50 PERCENT EXCEEDS	35		34		44	
90 PERCENT EXCEEDS	27		29		33	



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, May, Jun, Jul 2003, and Mar and Apr 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21 ft^3/s, Apr 30, gage height, 2.32 ft; no flow several days in Mar and Apr.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.3	0.51	0.26	e1.1	e2.5	e2.9	0.00	12	0.46	0.19	0.05	0.12
2	2.4	0.44	0.24	e1.0	e2.8	e2.9	0.00	12	0.35	0.18	0.05	0.11
3	2.2	0.29	0.41	e0.90	e2.8	e2.8	0.00	10	0.40	0.18	0.05	0.10
4	2.1	0.31	0.65	e0.85	e2.7	e2.8	0.00	10	0.38	0.18	0.06	0.11
5	1.9	0.42	0.61	e0.75	e2.6	e2.8	0.00	11	0.37	0.18	0.06	0.12
6	2.0	0.35	0.54	e0.70	e2.6	e2.8	0.00	13	0.34	0.16	0.07	0.15
7	1.7	0.37	0.52	e0.80	e2.5	e2.8	0.00	13	0.34	0.16	0.07	0.12
8	2.0	0.22	0.43	e0.90	e2.5	e2.8	0.00	13	0.34	0.16	0.08	0.12
9	2.0	0.25	0.37	e1.0	e2.4	e2.8	1.2	12	0.40	0.17	0.09	0.10
10	2.0	0.41	0.34	e1.3	e2.3	e2.8	1.4	12	0.49	0.11	0.09	0.10
11	2.5	0.54	0.33	e1.2	e2.3	e2.8	0.88	11	0.44	0.10	0.09	0.10
12	1.8	0.54	0.27	e1.2	e2.4	e2.8	0.44	11	0.43	0.10	0.07	0.10
13	0.97	0.66	0.27	e1.1	e2.5	e2.9	0.93	7.2	0.43	0.09	0.07	0.12
14	1.6	0.64	e0.34	e1.1	e2.5	e2.9	3.1	3.6	0.40	0.08	0.06	0.14
15	2.2	0.22	e0.29	e1.1	e2.6	e2.9	4.7	2.6	0.37	0.08	0.05	0.15
16	2.1	0.34	e0.24	e1.1	e2.7	0.44	5.5	2.0	0.35	0.08	0.06	0.06
17	2.1	0.35	e0.32	e1.1	e2.8	0.72	4.8	1.8	0.35	0.09	0.06	0.04
18	1.9	0.29	e0.40	e1.2	e2.9	0.70	7.2	1.7	0.33	0.06	0.10	0.03
19	1.7	0.21	e0.60	e1.3	e3.0	0.68	5.6	1.6	0.27	0.04	0.07	0.05
20	1.8	0.11	e0.85	e1.4	e2.8	0.63	4.4	1.6	0.26	0.04	0.07	0.06
21	1.3	0.06	e0.60	e1.4	e2.7	0.62	3.9	1.7	0.23	0.04	0.07	0.05
22	0.73	0.09	e0.40	e1.3	e2.5	0.59	3.3	1.9	0.22	0.04	0.08	0.04
23	0.64	0.36	e0.30	e1.0	e2.3	0.61	4.4	2.5	0.22	0.04	0.17	0.06
24	0.84	0.30	e0.85	e1.2	e2.5	0.62	4.2	1.9	0.20	0.05	0.22	0.04
25	0.77	0.28	e0.60	e1.3	e2.7	0.35	4.0	0.28	0.23	0.05	0.22	0.05
26	0.47	0.31	e0.40	e1.4	e2.8	0.00	3.7	0.86	0.23	0.04	0.19	0.06
27	1.3	0.28	e0.30	e1.5	e2.9	0.00	4.7	0.79	0.22	0.04	0.06	0.07
28	0.45	0.27	e0.25	e1.7	e2.9	0.00	9.9	0.78	0.21	0.04	0.05	0.07
29	0.44	0.26	e0.60	e2.0	e2.9	0.00	16	0.75	0.23	0.05	0.09	0.08
30	0.50	0.26	e1.2	e2.4	---	0.00	15	0.65	0.24	0.05	0.10	0.08
31	0.54	---	e1.2	e3.0	---	0.00	---	0.58	---	0.05	0.11	---
TOTAL	47.25	9.94	14.98	39.30	76.4	48.46	109.25	174.79	9.73	2.92	2.73	2.60
MEAN	1.52	0.33	0.48	1.27	2.63	1.56	3.64	5.64	0.32	0.09	0.09	0.09
MAX	2.5	0.66	1.2	3.0	3.0	2.9	16	13	0.49	0.19	0.22	0.15
MIN	0.44	0.06	0.24	0.70	2.3	0.00	0.00	0.28	0.20	0.04	0.05	0.03
AC-FT	94	20	30	78	152	96	217	347	19	5.8	5.4	5.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2004, BY WATER YEAR (WY)

MEAN	5.16	3.37	2.69	2.56	2.76	2.46	10.3	39.5	24.3	5.51	6.68	5.73
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	0.33	0.48	0.96	0.77	0.76	0.82	0.96	0.27	0.09	0.09	0.09
(WY)	(2002)	(2004)	(2004)	(2001)	(2001)	(1999)	(2001)	(2003)	(2002)	(2004)	(2004)	(2004)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1994 - 2004	
ANNUAL TOTAL	558.23		538.35			
ANNUAL MEAN	1.53		1.47		9.28	
HIGHEST ANNUAL MEAN					21.2	1995
LOWEST ANNUAL MEAN					1.47	2004
HIGHEST DAILY MEAN	6.3	Aug 1	16	Apr 29	244	Jun 6, 1995
LOWEST DAILY MEAN	0.05	Jul 2	0.00	Mar 26	0.00	Jul 23, 1994
ANNUAL SEVEN-DAY MINIMUM	0.14	Jul 9	0.00	Mar 26	0.00	Mar 26, 2004
ANNUAL RUNOFF (AC-FT)	1,110		1,070		6,720	
10 PERCENT EXCEEDS	3.2		2.9		20	
50 PERCENT EXCEEDS	1.4		0.44		2.8	
90 PERCENT EXCEEDS	0.28		0.05		0.38	

e Estimated

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 since October 1940, 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, 360 ft^3/s, Mar 26, gage height, 4.70 ft; minimum daily discharge, 6.0 ft^3/s, Sep 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	118	134	143	127	138	85	146	78	12	15	20
2	16	118	137	142	128	139	87	143	76	7.7	16	26
3	19	131	138	141	129	138	87	141	74	9.0	22	19
4	30	123	137	140	130	136	89	148	79	8.3	21	20
5	34	123	138	134	128	137	86	145	86	9.8	16	23
6	37	123	138	e132	130	135	71	133	92	12	9.9	19
7	41	123	144	131	131	138	58	120	76	8.8	12	13
8	38	127	139	130	132	137	65	102	73	11	14	10
9	38	128	135	131	131	138	60	83	77	12	16	6.2
10	35	137	134	131	132	138	60	72	103	8.6	12	6.1
11	39	132	134	126	135	139	59	63	86	8.2	12	8.9
12	39	124	131	126	132	117	55	67	85	7.9	10	8.9
13	39	157	132	127	135	140	47	75	81	7.9	9.7	8.3
14	41	140	134	129	132	141	53	66	70	10	12	6.6
15	45	132	134	130	131	156	56	72	69	11	11	6.0
16	52	138	133	130	130	140	56	68	61	12	9.4	7.3
17	52	163	133	128	129	139	53	70	37	21	13	7.3
18	53	139	136	130	130	85	63	73	18	38	15	7.7
19	54	134	135	131	128	82	59	74	12	39	22	15
20	52	128	134	132	127	83	70	73	14	26	17	28
21	49	130	155	128	130	71	87	75	18	17	18	30
22	50	129	141	128	130	92	77	82	6.7	16	13	30
23	51	127	138	135	130	149	78	89	6.9	14	15	26
24	50	128	138	127	131	149	90	88	8.3	14	17	22
25	50	127	185	129	137	139	98	80	15	14	19	18
26	53	127	186	127	159	186	106	77	19	18	17	19
27	56	128	146	127	148	149	115	71	19	15	14	19
28	57	129	144	130	149	134	121	83	22	13	16	26
29	59	127	143	134	143	119	135	96	23	12	18	23
30	64	128	143	130	---	83	141	89	19	12	18	19
31	97	---	141	130	---	82	---	86	---	12	18	---
TOTAL	1,403	3,918	4,370	4,069	3,864	3,949	2,367	2,850	1,503.9	437.2	468.0	498.3
MEAN	45.3	131	141	131	133	127	78.9	91.9	50.1	14.1	15.1	16.6
MAX	97	163	186	143	159	186	141	148	103	39	22	30
MIN	13	118	131	126	127	71	47	63	6.7	7.7	9.4	6.0
AC-FT	2,780	7,770	8,670	8,070	7,660	7,830	4,690	5,650	2,980	867	928	988

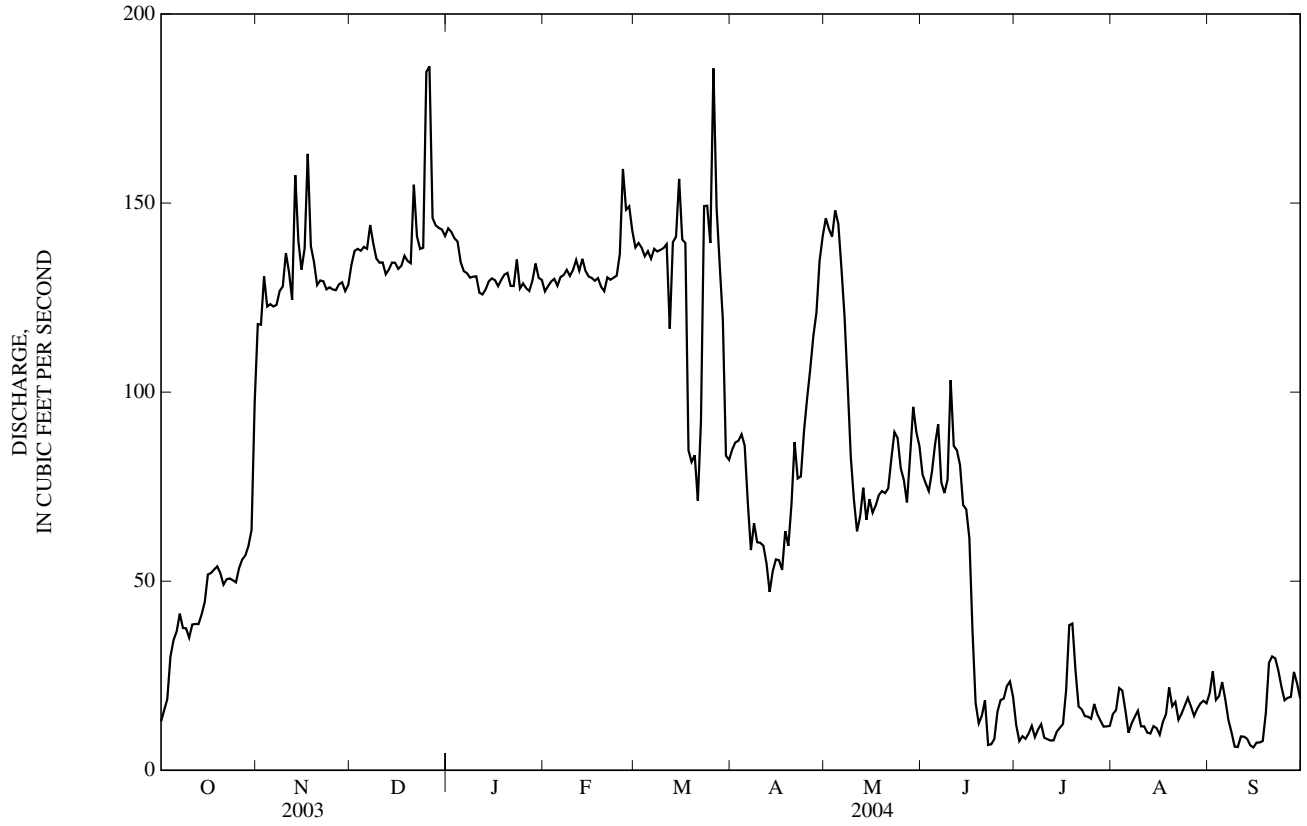
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	139	201	243	237	249	269	293	310	340	47.3	22.3	51.9
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	31,700.4		29,697.4			
ANNUAL MEAN	86.9		81.1		200	
HIGHEST ANNUAL MEAN					553	1986
LOWEST ANNUAL MEAN					41.5	1989
HIGHEST DAILY MEAN	207	May 4	186	Dec 26	2,420	May 6, 1952
LOWEST DAILY MEAN	6.5	Aug 14	6.0	Sep 15	0.10	Aug 25, 1992
ANNUAL SEVEN-DAY MINIMUM	8.2	Sep 23	7.3	Sep 9	0.46	Jul 24, 1946
ANNUAL RUNOFF (AC-FT)	62,880		58,900		144,700	
10 PERCENT EXCEEDS	143		139		411	
50 PERCENT EXCEEDS	100		82		130	
90 PERCENT EXCEEDS	12		12		7.0	

e Estimated



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.--77 years, 56.0 ft^3/s, 40,550 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	15	14	15	12	12	35	60	89	68	33	22
2	18	15	14	15	12	13	40	70	105	66	34	22
3	18	15	14	14	14	13	43	90	125	63	34	22
4	18	15	14	14	14	13	47	109	156	61	33	23
5	18	15	14	14	13	13	54	121	168	59	32	23
6	17	15	14	15	13	13	59	121	171	56	30	23
7	16	14	15	15	12	13	59	119	174	56	29	23
8	16	15	14	15	12	13	61	124	174	54	30	22
9	16	15	12	15	12	15	58	124	171	53	29	22
10	16	15	13	14	12	15	51	124	165	51	29	21
11	16	15	14	14	12	15	48	111	130	50	28	21
12	16	14	13	14	12	16	47	93	112	46	28	21
13	16	16	14	14	12	17	50	82	98	46	27	20
14	16	15	14	15	12	18	50	76	98	44	26	20
15	15	15	14	15	12	19	53	78	115	44	26	21
16	15	15	12	15	11	19	52	91	117	44	26	21
17	15	15	13	14	12	19	50	119	115	43	27	21
18	15	14	12	14	12	21	50	138	105	42	27	21
19	15	15	13	14	11	20	47	141	103	42	27	20
20	14	15	13	15	12	25	44	124	108	42	26	20
21	14	15	13	14	12	31	44	122	110	43	26	20
22	14	14	14	14	12	35	42	114	103	41	25	20
23	14	12	12	13	12	39	38	109	94	43	26	20
24	14	11	13	14	12	40	39	98	89	41	26	19
25	14	13	14	14	12	40	40	87	87	40	26	19
26	14	14	15	15	14	41	43	82	89	40	25	19
27	14	14	14	15	12	37	49	95	83	40	24	19
28	14	14	13	14	13	33	55	117	79	36	24	19
29	14	14	14	14	13	30	55	107	77	35	24	19
30	15	14	15	15	---	33	53	93	70	34	23	19
31	15	---	14	14	---	36	---	89	---	33	22	---
TOTAL	481	433	421	446	356	717	1,456	3,228	3,480	1,456	852	622
MEAN	15.5	14.4	13.6	14.4	12.3	23.1	48.5	104	116	47.0	27.5	20.7
MAX	19	16	15	15	14	41	61	141	174	68	34	23
MIN	14	11	12	13	11	12	35	60	70	33	22	19
AC-FT	954	859	835	885	706	1,420	2,890	6,400	6,900	2,890	1,690	1,230

CAL YR	2003	TOTAL	12040	MEAN	33.0	MAX	213	MIN	11	AC-FT 23880
WTR YR	2004	TOTAL	13948	MEAN	38.1	MAX	174	MIN	11	AC-FT 27670

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, Aug 18, gage height, 2.57 ft; minimum daily discharge, 0.05 ft^3/s, Nov 22, Feb 14, 15, 19, 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.20	e0.10	e0.20	e0.19	e0.08	0.07	3.3	4.9	3.4	e1.0	0.66
2	0.13	0.19	e0.09	e0.19	e0.17	e0.08	0.07	3.5	4.6	3.4	e1.0	0.69
3	0.13	0.21	e0.09	e0.18	e0.14	0.08	0.07	4.0	5.3	e3.2	e0.99	0.77
4	0.12	0.20	e0.08	e0.18	e0.10	0.07	0.07	4.7	6.3	e3.1	e0.97	0.86
5	0.12	0.19	e0.09	e0.17	e0.10	0.07	0.07	6.2	6.9	e3.0	e0.97	0.87
6	0.12	0.18	e0.10	e0.17	e0.11	0.08	0.07	6.7	6.8	e3.0	e0.96	0.78
7	0.12	0.17	e0.08	e0.16	e0.11	0.08	0.73	6.6	7.1	e2.8	e0.96	0.76
8	0.13	e0.15	e0.08	e0.17	e0.10	0.09	2.8	6.1	6.7	e2.6	e0.96	0.72
9	0.14	0.15	e0.08	e0.17	e0.09	0.09	3.0	6.9	6.4	e2.4	e0.95	0.64
10	0.13	0.14	e0.08	e0.18	e0.09	0.09	3.2	7.2	6.0	e2.1	e0.92	0.62
11	0.15	0.12	e0.09	e0.18	e0.08	0.08	3.2	7.5	4.9	e1.9	e0.92	0.64
12	0.15	0.12	e0.10	e0.18	e0.07	0.08	3.1	7.2	4.1	e1.8	e0.90	0.71
13	0.15	0.14	e0.14	e0.18	e0.06	0.08	3.2	7.0	3.7	e1.7	e0.90	0.84
14	0.16	0.10	e0.17	e0.18	e0.05	0.07	3.1	6.7	3.8	e1.6	e0.90	0.77
15	0.17	0.09	e0.15	e0.18	e0.05	0.07	3.3	6.2	4.0	e1.6	e0.88	0.71
16	0.18	0.12	e0.10	e0.17	e0.06	0.07	3.2	6.0	4.0	e2.0	e0.88	0.63
17	0.18	0.11	e0.10	e0.16	0.07	0.07	3.2	6.0	4.0	e2.9	e0.90	0.73
18	0.18	0.09	e0.12	e0.16	0.07	0.07	3.3	6.4	3.9	e2.0	e2.6	0.68
19	0.18	0.09	e0.13	e0.16	0.05	0.07	e3.4	6.4	4.1	e1.6	e1.1	0.57
20	0.19	0.09	e0.14	e0.15	0.05	0.06	e3.0	6.8	4.1	e2.1	1.1	0.23
21	0.19	0.08	e0.16	e0.15	e0.06	0.06	e2.7	6.8	4.0	e1.4	0.93	0.24
22	0.18	e0.05	e0.14	e0.15	e0.07	0.05	3.5	6.6	3.7	e1.3	0.82	0.22
23	0.19	e0.06	e0.13	e0.15	e0.08	0.05	3.0	6.4	3.6	e1.2	0.85	0.22
24	0.22	e0.08	e0.13	e0.16	0.08	0.06	2.9	6.4	3.6	e1.1	0.83	0.20
25	0.22	0.12	e0.13	e0.16	0.08	0.06	2.8	6.2	3.6	e1.1	0.82	0.20
26	0.20	0.14	e0.13	e0.16	e0.08	0.08	2.7	5.7	3.8	e1.1	0.81	0.17
27	0.22	0.16	e0.12	e0.16	e0.07	0.07	2.9	5.3	4.1	e1.0	0.74	0.20
28	0.19	e0.10	e0.11	e0.17	e0.07	0.07	3.1	5.8	3.9	e1.0	0.74	0.24
29	e0.21	e0.10	e0.15	e0.17	e0.08	0.06	3.3	6.4	3.8	e1.2	0.71	0.29
30	0.24	e0.10	e0.19	e0.18	---	0.06	3.2	5.8	3.5	e1.2	0.68	0.34
31	0.23	---	e0.21	e0.20	---	0.06	---	5.4	---	e1.1	0.69	---
TOTAL	5.24	3.84	3.71	5.28	2.48	2.21	72.25	188.2	139.2	60.9	29.38	16.20
MEAN	0.17	0.13	0.12	0.17	0.09	0.07	2.41	6.07	4.64	1.96	0.95	0.54
MAX	0.24	0.21	0.21	0.20	0.19	0.09	3.5	7.5	7.1	3.4	2.6	0.87
MIN	0.12	0.05	0.08	0.15	0.05	0.05	0.07	3.3	3.5	1.0	0.68	0.17
AC-FT	10	7.6	7.4	10	4.9	4.4	143	373	276	121	58	32

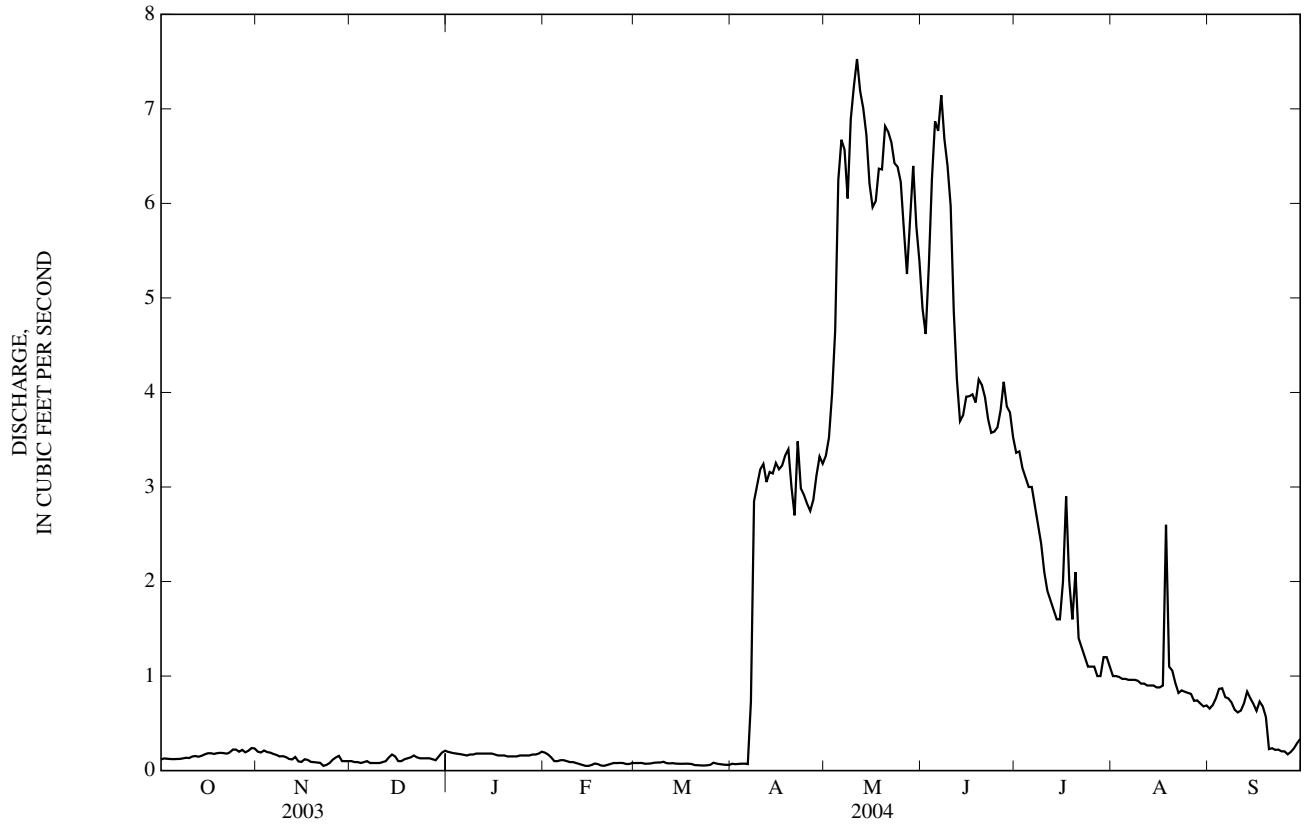
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987- 2004, BY WATER YEAR (WY)

MEAN	1.26	1.06	0.71	0.57	0.54	1.00	4.05	12.9	10.9	4.82	2.51	1.44
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	0.13	0.10	0.06	0.06	0.07	0.08	2.35	1.63	0.66	0.26	0.18
(WY)	(1993)	(2004)	(1993)	(1991)	(1991)	(2004)	(2003)	(2003)	(1992)	(1992)	(1992)	(2003)

10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966-75 1987- 2004	
ANNUAL TOTAL	203.39		528.89			
ANNUAL MEAN	0.56		1.45		3.50	
HIGHEST ANNUAL MEAN					8.65	1973
LOWEST ANNUAL MEAN					0.60	2003
HIGHEST DAILY MEAN	7.0	May 27	7.5	May 11	85	May 20, 1973
LOWEST DAILY MEAN	0.03	Apr 20	0.05	Nov 22	0.03	Oct 2, 1992
ANNUAL SEVEN-DAY MINIMUM	0.05	Apr 20	0.06	Feb 14	0.05	Apr 20, 2003
ANNUAL RUNOFF (AC-FT)	403		1,050		2,530	
10 PERCENT EXCEEDS	1.3		4.9		9.9	
50 PERCENT EXCEEDS	0.18		0.20		1.1	
90 PERCENT EXCEEDS	0.08		0.07		0.19	

e Estimated



10167450 LITTLE COTTONWOOD CREEK AT TANNERS FLAT CAMPGROUND, NEAR ALTA, UT

LOCATION.--Lat 40°34'12", long 111°42'00", in SW¼NE¼SE¼ sec. 10, T. 3 S., R. 2 E., Salt Lake County, Hydrologic Unit 16020204, on right bank in Tanners Flat Campground above the confluence of Red Pine Creek.

PERIOD OF RECORD.--October 2003 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 231 ft^3/s, Jun 8, 2004; minimum daily discharge 4.5 ft^3/s, Dec 28, 2003, possible ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 231 ft^3/s, Jun 8; minimum daily discharge, 4.5 ft^3/s, Dec 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.7	6.0	7.2	5.8	5.7	26	46	e76	79	22	14
2	---	7.5	e5.9	7.8	5.9	5.6	31	61	e90	77	23	14
3	---	7.4	e5.9	7.2	5.9	5.6	36	82	e110	73	24	11
4	---	7.6	e5.8	6.9	5.9	5.6	40	108	e158	68	21	11
5	---	7.4	5.8	7.0	5.9	5.6	46	160	e206	67	22	12
6	---	7.2	6.2	6.9	5.8	5.6	54	158	e216	65	20	11
7	---	7.1	6.4	6.8	5.8	5.7	58	149	e213	61	20	12
8	---	7.1	6.3	6.6	5.8	6.0	56	154	e231	58	18	12
9	---	6.9	5.4	6.5	5.7	6.4	49	169	e222	55	18	12
10	---	7.5	6.3	6.5	5.6	6.6	41	170	e219	51	17	12
11	---	7.1	6.0	6.4	5.6	6.7	36	139	e208	48	16	11
12	---	6.7	5.9	6.4	5.4	7.0	35	96	e159	47	16	13
13	---	7.1	5.9	6.3	5.6	7.4	37	72	e111	46	15	13
14	---	8.0	5.9	6.3	5.5	7.8	40	59	e116	52	15	12
15	---	7.2	6.0	6.2	5.5	8.4	39	55	e110	50	15	12
16	---	7.3	5.3	6.1	5.6	8.9	37	65	122	48	15	11
17	---	7.2	5.9	6.0	5.6	9.6	34	89	e118	43	15	13
18	---	9.2	5.9	6.1	5.6	11	32	114	116	42	15	20
19	---	8.1	5.9	6.1	5.6	13	29	126	123	40	16	20
20	---	7.1	5.9	6.1	5.5	14	26	124	127	37	16	21
21	---	6.9	6.0	6.0	5.6	17	26	111	125	34	15	19
22	---	6.1	5.9	5.9	5.7	21	24	102	111	34	15	20
23	---	5.5	5.7	6.2	5.7	26	23	89	104	35	15	20
24	---	6.4	5.9	6.2	5.5	29	24	80	106	31	17	21
25	---	6.6	6.2	5.7	5.5	31	24	e76	109	28	15	19
26	---	6.4	8.2	6.3	6.1	31	28	62	104	28	15	18
27	---	6.4	4.8	6.2	5.7	29	35	71	96	28	e14	17
28	---	6.3	4.5	6.1	5.7	26	43	e109	92	27	13	16
29	6.7	6.1	7.0	6.0	5.8	24	41	e144	86	26	13	18
30	7.6	5.9	7.7	6.0	---	23	39	e112	80	24	13	17
31	7.5	---	7.3	5.9	---	24	---	e85	---	23	14	---
MEAN	---	7.03	6.06	6.38	5.69	14.0	36.3	104	135	46.0	16.7	15.1
MAX	--	9.2	8.2	7.8	6.1	31	58	170	231	79	24	21
MIN	--	5.5	4.5	5.7	5.4	5.6	23	46	76	23	13	11

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, 292 ft^3/s, May 29, gage height, 2.91 ft; minimum daily discharge, 0.90 ft^3/s, Nov 6, 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	2.8	2.4	3.9	1.4	7.5	2.8	11	20	6.0	6.2	3.4
2	4.8	1.2	2.7	7.9	1.2	5.2	3.8	22	25	7.6	9.3	4.9
3	1.4	8.5	2.8	4.2	2.0	4.1	9.0	22	66	6.3	12	8.3
4	5.1	3.3	2.5	2.7	2.8	4.1	13	30	133	7.6	10	1.9
5	5.6	1.3	2.4	2.1	3.0	6.7	12	74	156	8.9	7.4	3.4
6	5.4	0.90	2.5	1.8	1.7	13	16	110	163	6.5	6.2	5.4
7	4.7	1.1	14	1.8	1.5	4.4	32	102	162	6.2	6.6	5.2
8	4.3	1.5	8.4	1.6	2.6	3.6	53	97	169	4.9	7.6	4.1
9	4.7	5.1	2.9	1.6	1.9	3.4	35	77	163	5.1	7.3	3.6
10	6.2	4.0	1.9	1.5	1.3	3.2	29	95	162	4.4	7.2	4.3
11	4.7	1.0	1.7	1.4	1.3	2.8	22	114	107	4.2	5.7	4.8
12	2.0	1.0	1.6	1.3	1.1	2.4	19	83	58	3.7	6.8	3.5
13	2.1	5.3	1.6	1.3	0.99	2.4	17	47	31	5.1	7.6	5.1
14	3.4	1.2	2.4	1.1	0.97	2.2	9.8	26	23	3.3	8.3	3.6
15	2.4	1.7	6.8	1.1	0.95	2.2	4.8	21	39	10	8.0	1.8
16	1.2	5.8	3.0	1.1	0.96	2.7	3.9	25	30	6.3	7.8	2.3
17	0.91	e11	1.8	1.1	1.1	2.4	3.2	20	34	13	6.2	5.4
18	0.91	1.4	1.6	1.1	3.0	1.9	56	29	38	11	5.3	3.6
19	1.0	0.90	1.6	1.1	13	2.2	10	46	37	12	8.0	12
20	1.2	1.0	1.1	1.1	2.8	2.2	8.3	60	28	9.1	8.5	21
21	1.3	1.5	9.9	1.1	2.0	2.2	34	55	27	8.1	9.5	5.1
22	1.5	1.5	7.7	1.1	1.9	2.5	16	58	15	7.8	8.5	6.5
23	1.8	1.4	2.7	1.0	2.9	2.3	6.8	48	6.9	6.1	9.4	5.4
24	2.1	1.5	1.6	1.1	2.8	2.5	7.4	38	4.2	5.5	9.5	4.9
25	2.2	1.8	26	1.1	3.6	4.7	7.1	32	4.3	5.8	8.7	e3.8
26	1.6	3.2	9.1	1.1	25	69	6.5	28	12	7.1	8.8	e2.0
27	1.9	3.0	6.5	1.1	15	11	9.4	34	12	6.0	5.3	2.0
28	2.6	2.6	4.8	1.2	18	6.5	13	66	5.0	4.8	4.9	2.9
29	4.4	2.3	3.2	1.5	12	5.0	17	133	7.2	6.6	9.0	2.1
30	9.5	2.5	3.5	2.5	---	8.8	15	74	8.4	6.8	7.8	3.3
31	3.0	---	3.7	2.4	---	6.4	---	33	---	6.3	5.4	---
TOTAL	101.82	81.30	144.4	56.0	128.77	199.5	491.8	1,710	1,746.0	212.1	238.8	145.6
MEAN	3.28	2.71	4.66	1.81	4.44	6.44	16.4	55.2	58.2	6.84	7.70	4.85
MAX	9.5	11	26	7.9	25	69	56	133	169	13	12	21
MIN	0.91	0.90	1.1	1.0	0.95	1.9	2.8	11	4.2	3.3	4.9	1.8
AC-FT	202	161	286	111	255	396	975	3,390	3,460	421	474	289

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2004, BY WATER YEAR (WY)

MEAN	10.8	4.25	3.42	3.11	3.87	5.80	16.1	111	88.7	15.6	11.5	9.50
MAX	29.8	8.81	4.66	6.98	5.90	9.51	27.6	148	243	55.3	21.5	13.3
(WY)	(1999)	(1999)	(2004)	(1999)	(1999)	(1999)	(1999)	(2001)	(1999)	(1999)	(2001)	(2002)
MIN	3.28	1.78	1.04	1.56	2.12	2.86	7.18	55.2	35.4	6.84	7.70	4.85
(WY)	(2004)	(2003)	(2003)	(2002)	(2002)	(2003)	(2003)	(2004)	(2001)	(2004)	(2004)	(2004)

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1999 - 2004	
ANNUAL TOTAL	7,625.28		5,256.09			
ANNUAL MEAN	20.9		14.4		23.7	
HIGHEST ANNUAL MEAN					45.2	1999
LOWEST ANNUAL MEAN					14.4	2004
HIGHEST DAILY MEAN	406	May 30	169	Jun 8	416	May 16, 2001
LOWEST DAILY MEAN	0.59	Jan 7	0.90	Nov 6	0.35	Nov 5, 2001
ANNUAL SEVEN-DAY MINIMUM	0.68	Jan 3	1.1	Feb 11	0.68	Jan 3, 2003
ANNUAL RUNOFF (AC-FT)	15,120		10,430		17,180	
10 PERCENT EXCEEDS	35		34		58	
50 PERCENT EXCEEDS	4.7		5.0		5.7	
90 PERCENT EXCEEDS	0.97		1.3		1.4	

e Estimated

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 2003 TO SEPTEMBER 2004

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													
18...	0950	1.5	664	84	9.1	7.7	1,370	8.0	6.1	161	196	--	291
JAN													
21...	1310	1.0	667	103	12.1	8.0	1,800	1.5	3.0	337	411	--	1,460
MAR													
05...	1420	7.0	660	110	11.5	8.0	1,790	6.5	7.0	186	224	1	391
APR													
20...	1330	6.6	657	118	11.6	8.0	736	17.5	9.7	138	166	--	105
MAY													
18...	1000	26	653	105	9.3	8.0	1,060	23.0	13.8	147	177	--	164
JUN													
28...	1250	4.8	659	114	9.3	7.9	1,240	32.0	18.4	173	211	--	194
JUL													
26...	1530	5.6	655	135	9.8	8.5	1,790	34.0	23.6	208	237	8	310
SEP													
14...	1230	4.5	659	98	8.4	7.8	1,940	17.0	15.9	236	288	--	322

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	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)	Ortho-phosphate, water, fltrd, mg/L (00660)	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Total nitrogen, wat unf by analysis, mg/L (62855)
NOV												
18...	69.5	E.03	.44	.46	--	1.95	.049	.015	.040	.013	.059	.90
JAN												
21...	874	.09	1.20	1.21	.12	5.29	.059	.018	.052	.017	.060	1.59
MAR												
05...	80.5	E.03	1.71	1.75	--	7.58	.135	.041	.061	.020	.070	2.20
APR												
20...	61.4	<.04	.84	.85	--	3.71	.046	.014	--	E.004	.026	1.08
MAY												
18...	133	E.02	--	.27	--	--	--	E.007	--	E.003	.059	.87
JUN												
28...	154	.06	.58	.60	.07	2.57	.049	.015	.077	.025	.073	1.09
JUL												
26...	253	<.04	--	.13	--	--	--	E.005	.031	.010	.053	.77
SEP												
14...	260	E.03	.37	.38	--	1.63	.033	.010	.037	.012	.067	1.04

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Suspended sediment discharge, tons/d (80155)	Suspended sediment concentration mg/L (80154)
NOV 18...	0950	.05	12
MAR 05...	1420	.21	11
APR 20...	1330	.07	4
MAY 18...	1000	1.4	20
JUN 28...	1250	.16	12
JUL 26...	1530	.53	35
SEP 14...	1230	.23	19

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)
AUG 02...	0930	12	10.5	8.5	1,990	23.5	84.0	200	234.6	36.9	439	47

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 18...	0950	<.006	<.006	<.005	<.005	82.7	<.007	<.050	<.010	<.004	E.030	<.020	<.005
JAN 21...	1310	<.006	<.006	<.005	<.005	97.0	.009	<.050	<.010	<.004	<.041	<.020	<.005
MAR 05...	1420	<.006	<.006	<.005	<.005	94.4	.016	<.050	<.010	<.004	<.041	<.020	<.005
APR 20...	1330	<.006	<.006	<.005	<.005	92.9	.011	<.050	<.010	<.004	E.259	<.020	<.005
MAY 18...	1000	<.006	<.006	<.005	<.005	106	<.007	<.050	<.010	<.004	E.027	<.020	<.005
JUN 28...	1250	<.006	<.006	<.005	<.005	99.7	.012	<.080	<.010	<.004	E.013	<.020	<.005
JUL 26...	1530	<.006	<.006	<.005	<.005	111	.011	<.050	<.010	<.004	E.019	<.020	<.005
SEP 14...	1230	<.006	<.006	<.005	<.005	88.3	.008	<.050	<.010	<.004	E.034	<.020	<.005

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 18...	<.006	<.006	<.018	.004	<.029	<.012	111	.022	<.009	<.02	<.004	<.009	<.005
JAN 21...	E.013	<.006	<.018	<.003	<.029	<.012	117	<.005	<.009	<.02	<.004	<.009	<.005
MAR 05...	<.006	<.006	<.018	<.003	<.029	<.012	112	<.005	<.009	<.02	<.004	<.009	<.005
APR 20...	E.007	<.006	<.018	.013	<.029	<.012	113	.053	<.009	<.02	<.004	<.009	<.005
MAY 18...	E.005	<.006	<.018	.004	<.029	<.012	107	.008	<.009	<.02	<.004	<.009	<.005
JUN 28...	E.006	<.006	<.018	E.002	<.029	<.012	105	.024	<.009	<.02	<.004	<.009	<.005
JUL 26...	E.007	<.006	<.018	<.003	<.029	<.012	115	.006	<.009	<.02	<.004	<.009	<.005
SEP 14...	E.005	<.006	<.018	E.002	<.029	<.012	97.1	.007	<.009	<.02	<.004	<.009	<.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 18...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JAN 21...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
MAR 05...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
APR 20...	<.013	<.024	<.016	<.003	<.004	<.035	<.030	<.015	<.013	<.006	<.003	<.007	<.003
MAY 18...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JUN 28...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JUL 26...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
SEP 14...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003

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

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)	Propyzamide, 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 18...	<.010	<.004	<.022	<.011	.04	<.004	<.025	<.011	<.02	<.005	.04	<.034	<.02
JAN 21...	<.010	<.004	<.022	<.011	.05	<.004	<.025	<.011	<.02	<.005	E.06	<.034	<.02
MAR 05...	<.010	<.004	<.022	<.011	.04	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
APR 20...	<.010	<.004	.084	<.011	.07	<.030	<.025	<.011	<.02	<.005	.02	<.034	<.02
MAY 18...	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	<.005	E.01	<.034	<.02
JUN 28...	<.010	<.004	<.022	<.011	.02	<.004	<.025	<.011	<.02	<.005	E.01	<.034	<.02
JUL 26...	<.010	<.004	<.022	<.011	.03	<.004	<.025	<.011	<.02	<.005	E.02	<.034	<.02
SEP 14...	<.010	<.004	<.022	<.011	.03	<.013	<.025	<.011	<.02	<.005	E.01	<.034	<.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 18...	<.010	<.002	<.009
JAN 21...	<.010	<.002	<.009
MAR 05...	<.010	<.002	<.009
APR 20...	<.010	<.002	E.006
MAY 18...	<.010	<.002	<.009
JUN 28...	<.010	<.002	<.009
JUL 26...	<.010	<.002	<.009
SEP 14...	<.010	<.002	<.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.--19 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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	13	11	12	10	11	49	53	53	53	21	15
2	21	13	11	12	11	11	51	54	54	53	21	15
3	18	11	11	12	11	11	52	54	54	53	21	15
4	17	13	11	12	11	11	52	54	54	51	21	16
5	17	13	11	12	11	12	53	52	54	50	20	16
6	16	13	11	11	11	12	54	34	54	48	20	15
7	16	13	11	12	11	11	54	32	54	47	19	14
8	14	12	11	12	11	12	54	42	54	46	19	14
9	12	12	10	12	11	15	54	53	54	44	18	14
10	12	13	11	12	10	18	46	52	54	41	18	14
11	12	12	11	12	11	19	52	52	55	40	17	14
12	12	12	11	13	8.0	19	50	52	54	39	17	14
13	12	12	11	13	7.7	20	50	52	54	35	17	15
14	12	13	11	13	8.6	21	52	47	54	35	17	14
15	12	12	11	13	8.8	21	51	49	54	30	17	14
16	12	12	9.7	13	8.8	22	49	54	54	31	17	14
17	12	13	11	12	10	22	47	54	54	34	17	20
18	12	13	11	12	11	24	48	54	54	36	18	25
19	12	13	11	13	11	28	45	54	54	31	18	18
20	12	12	11	12	10	31	43	54	54	30	17	14
21	11	12	11	12	10	40	45	55	54	29	17	29
22	12	12	11	12	10	48	44	55	54	27	17	29
23	11	11	11	12	10	52	41	54	53	29	15	28
24	11	12	11	11	10	52	43	54	52	27	19	28
25	12	11	12	10	10	53	44	54	53	26	19	28
26	12	11	8.2	11	11	44	47	53	53	25	18	27
27	12	11	11	11	11	49	51	53	53	24	17	27
28	11	11	11	11	12	42	54	54	53	23	16	27
29	12	11	13	11	11	39	54	54	54	23	16	28
30	13	11	13	11	---	38	53	54	54	22	16	28
31	13	---	12	11	---	42	---	54	---	21	15	---
TOTAL	410	363	341.9	368	297.9	850	1,482	1,596	1,613	1,103	555	589
MEAN	13.2	12.1	11.0	11.9	10.3	27.4	49.4	51.5	53.8	35.6	17.9	19.6
MAX	21	13	13	13	12	53	54	55	55	53	21	29
MIN	11	11	8.2	10	7.7	11	41	32	52	21	15	14
AC-FT	813	720	678	730	591	1,690	2,940	3,170	3,200	2,190	1,100	1,170

CAL YR	2003	TOTAL	8,127.1	MEAN	22.3	MAX	52	MIN	1.4	AC-FT	16120
WTR YR	2004	TOTAL	9,568.8	MEAN	26.1	MAX	55	MIN	7.7	AC-FT	18980

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, 963 ft^3/s, Mar 26, gage height, 12.58 ft; minimum daily discharge, 63 ft^3/s, Jan 24.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165	162	78	172	76	380	289	209	337	150	213	143
2	168	156	75	210	116	346	292	200	322	142	270	140
3	123	221	84	163	165	339	317	202	332	135	276	184
4	109	245	85	142	157	325	326	235	449	136	285	117
5	107	188	85	136	119	347	288	329	502	151	237	115
6	106	158	82	125	88	377	262	422	517	158	230	160
7	106	137	166	124	84	320	295	433	536	156	228	165
8	115	141	180	123	101	300	475	407	538	166	228	159
9	117	143	118	125	94	293	434	387	535	160	234	147
10	121	180	100	126	80	285	417	408	629	160	216	146
11	111	124	99	123	83	282	371	494	642	150	163	144
12	105	112	102	120	93	284	324	468	434	135	145	148
13	108	156	98	110	103	283	273	397	305	135	144	166
14	113	149	107	143	104	277	229	316	267	135	134	128
15	110	128	161	156	101	242	189	273	292	143	143	94
16	122	191	118	118	119	171	172	250	311	140	153	108
17	237	207	106	104	167	157	168	267	300	244	156	139
18	197	147	106	87	226	155	464	284	255	416	160	131
19	162	121	107	89	351	149	246	347	230	287	164	215
20	151	113	113	133	280	174	190	357	207	288	158	276
21	162	118	234	162	250	187	454	369	205	253	160	155
22	142	114	215	160	254	205	430	393	195	243	178	131
23	136	110	156	118	275	221	247	368	154	233	189	125
24	125	112	145	63	275	241	207	353	141	210	199	123
25	134	109	354	66	281	235	196	343	146	203	196	119
26	140	119	343	68	405	512	187	322	159	211	215	109
27	143	117	259	132	426	350	174	326	156	220	171	110
28	138	102	196	196	458	273	210	431	150	217	130	104
29	158	95	180	224	448	227	283	792	164	219	176	108
30	218	86	175	168	---	240	241	504	169	202	173	109
31	156	---	180	93	---	232	---	382	---	214	159	---
TOTAL	4,305	4,261	4,607	4,079	5,779	8,409	8,650	11,268	9,579	6,012	5,883	4,218
MEAN	139	142	149	132	199	271	288	363	319	194	190	141
MAX	237	245	354	224	458	512	475	792	642	416	285	276
MIN	105	86	75	63	76	149	168	200	141	135	130	94
AC-FT	8,540	8,450	9,140	8,090	11,460	16,680	17,160	22,350	19,000	11,920	11,670	8,370

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	272	282	298	324	401	439	499	617	668	363	272	277
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	0.00	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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	70,746.8		77,050			
ANNUAL MEAN	194		211		392	
HIGHEST ANNUAL MEAN					1,968	1984
LOWEST ANNUAL MEAN					69.6	1961
HIGHEST DAILY MEAN	1,000	May 31	792	May 29	4,250	Jun 1, 1984
LOWEST DAILY MEAN	3.0	Jan 19	63	Jan 24	0.00	Jan 21, 1963
ANNUAL SEVEN-DAY MINIMUM	6.7	Feb 5	82	Nov 30	0.00	Jan 21, 1963
ANNUAL RUNOFF (AC-FT)	140,300		152,800		284,200	
10 PERCENT EXCEEDS	365		373		1,030	
50 PERCENT EXCEEDS	156		168		201	
90 PERCENT EXCEEDS	83		106		84	

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 193 ft^3/s, Jul 17, gage height 3.85 ft: mininum daily discharge 29 ft^3/s, Jan 29.

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

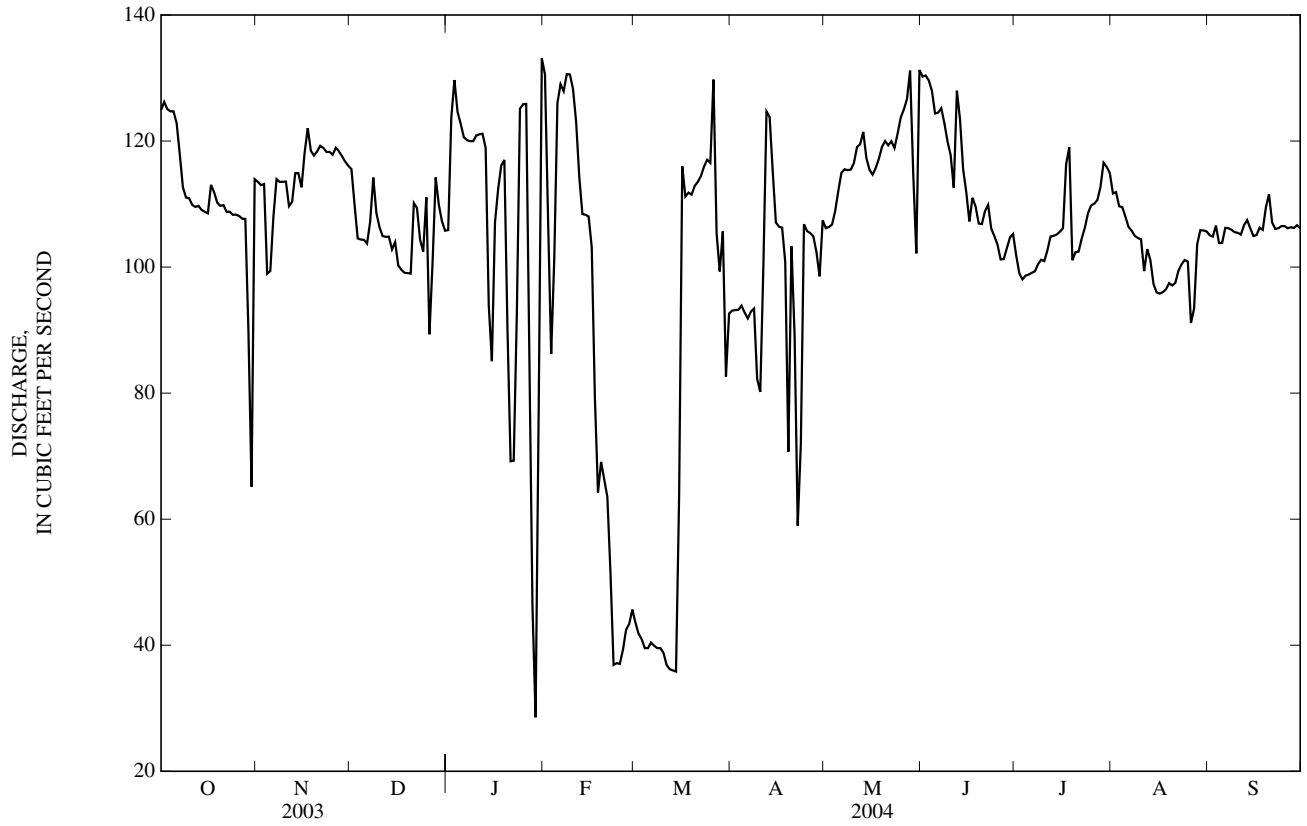
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	125	114	116	106	131	44	93	106	130	102	112	105
2	126	113	110	124	108	42	93	106	130	99	112	105
3	125	113	105	130	86	41	93	107	130	98	110	107
4	125	99	104	125	102	40	94	109	128	99	109	104
5	125	99	104	123	126	40	93	112	124	99	108	104
6	123	108	104	121	129	40	92	115	125	99	106	106
7	118	114	107	120	128	40	93	116	125	99	106	106
8	113	114	114	120	131	40	93	115	123	100	105	106
9	111	114	109	120	131	40	82	115	120	101	105	106
10	111	114	106	121	128	39	80	117	118	101	104	105
11	110	110	105	121	123	37	100	119	113	103	99	105
12	110	110	105	121	114	36	125	119	128	105	103	107
13	110	115	105	119	108	36	124	121	123	105	101	107
14	109	115	103	94	108	36	115	117	116	105	97	106
15	109	113	104	85	108	64	107	115	112	106	96	105
16	109	118	100	107	103	116	106	115	107	106	96	105
17	113	122	100	112	79	111	106	116	111	116	96	106
18	112	118	99	116	64	112	101	117	110	119	96	106
19	110	118	99	117	69	112	71	119	107	101	97	109
20	110	118	99	90	66	113	103	120	107	102	97	112
21	110	119	110	69	64	114	89	119	109	102	98	107
22	109	119	109	69	52	114	59	120	110	105	99	106
23	109	118	104	93	37	116	72	119	106	106	100	106
24	108	118	102	125	37	117	107	121	105	109	101	107
25	108	118	111	126	37	117	106	124	104	110	101	107
26	108	119	89	126	39	130	105	125	101	110	91	106
27	108	118	101	86	42	105	105	127	101	111	93	106
28	108	118	114	46	43	99	102	131	103	113	104	106
29	90	117	110	29	46	106	99	115	105	117	106	107
30	65	116	107	78	---	83	107	102	105	116	106	106
31	114	---	106	133	---	93	---	131	---	115	106	---
TOTAL	3,441	3,439	3,261	3,272	2,539	2,373	2,915	3,630	3,436	3,279	3,160	3,186
MEAN	111	115	105	106	87.6	76.5	97.2	117	115	106	102	106
MAX	126	122	116	133	131	130	125	131	130	119	112	112
MIN	65	99	89	29	37	36	59	102	101	98	91	104
AC-FT	6,830	6,820	6,470	6,490	5,040	4,710	5,780	7,200	6,820	6,500	6,270	6,320

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2004, BY WATER YEAR (WY)

MEAN	156	145	143	145	145	135	121	113	142	154	150	158
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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1944 - 2004	
ANNUAL TOTAL	44,520		37,931			
ANNUAL MEAN	122		104		142	
HIGHEST ANNUAL MEAN					223	1985
LOWEST ANNUAL MEAN					92.3	1964
HIGHEST DAILY MEAN	255	Jan 28	133	Jan 31	337	Jun 25, 1952
LOWEST DAILY MEAN	20	Mar 6	29	Jan 29	0.00	May 10, 1952
ANNUAL SEVEN-DAY MINIMUM	26	Feb 28	38	Mar 8	0.00	May 14, 1964
ANNUAL RUNOFF (AC-FT)	88,310		75,240		103,000	
10 PERCENT EXCEEDS	147		123		193	
50 PERCENT EXCEEDS	120		107		141	
90 PERCENT EXCEEDS	102		79		93	



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 2003 TO SEPTEMBER 2004
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290	276	194	278	207	424	382	315	467	252	325	248
2	294	269	185	334	224	388	385	306	452	241	382	245
3	248	334	189	293	251	380	410	309	462	233	386	291
4	234	344	189	267	259	365	420	344	577	235	394	221
5	232	287	189	259	245	387	381	441	626	250	345	219
6	229	266	186	246	217	417	354	537	642	257	336	266
7	224	251	273	244	212	360	388	549	661	255	334	271
8	228	255	294	243	232	340	568	522	661	266	333	265
9	228	257	227	245	225	333	516	502	655	261	339	253
10	232	294	206	247	208	324	497	525	747	261	320	251
11	221	234	204	244	206	319	471	613	755	253	262	249
12	215	222	207	241	207	320	449	587	562	240	248	255
13	218	271	203	229	211	319	397	518	428	240	245	273
14	222	264	210	237	212	313	344	433	383	240	231	234
15	219	241	265	241	209	306	296	388	404	249	239	199
16	231	309	218	225	222	287	278	365	418	246	249	213
17	350	329	206	216	246	268	274	383	411	360	252	245
18	309	265	205	203	290	267	565	401	365	535	256	237
19	272	239	206	206	420	261	317	466	337	388	261	324
20	261	231	212	223	346	287	293	477	314	390	255	388
21	272	237	344	231	314	301	543	488	314	355	258	262
22	251	233	324	229	306	319	489	513	305	348	277	237
23	245	228	260	211	312	337	319	487	260	339	289	231
24	233	230	247	188	312	358	314	474	246	319	300	230
25	242	227	465	192	318	352	302	467	250	313	297	226
26	248	238	432	194	444	642	292	447	260	321	306	215
27	251	235	360	218	468	455	279	453	257	331	264	216
28	246	220	310	242	501	372	312	562	253	330	234	210
29	248	212	290	253	494	333	382	907	269	336	282	215
30	283	202	282	246	---	323	348	606	274	318	279	215
31	270	---	286	226	---	325	---	513	---	329	265	---
TOTAL	7,746	7,700	7,868	7,351	8,318	10,782	11,565	14,898	13,015	9,291	9,043	7,404
MEAN	250	257	254	237	287	348	386	481	434	300	292	247
MAX	350	344	465	334	501	642	568	907	755	535	394	388
MIN	215	202	185	188	206	261	274	306	246	233	231	199
AC-FT	15,360	15,270	15,610	14,580	16,500	21,390	22,940	29,550	25,820	18,430	17,940	14,690

CAL YR	2003	TOTAL 115,263	MEAN 316	MAX 1170	MIN 184	AC-FT 228600		
WTR YR	2004	TOTAL 114,981	MEAN 314	MAX 907	MIN 185	AC-FT 228100		

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 2003 TO SEPTEMBER 2004

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													
15...	1120	106	660	84	7.5	7.9	1,620	18.5	13.9	236	288	--	257
NOV													
17...	1100	121	655	89	8.6	7.9	1,590	5.0	10.4	219	267	--	233
DEC													
17...	1400	105	670	90	9.2	7.7	2,060	3.0	8.6	229	280	--	357
JAN													
21...	1010	67	668	85	9.1	7.8	1,880	-4.5	6.8	256	313	--	276
MAR													
04...	1200	39	655	90	8.9	8.0	2,120	2.5	9.2	267	320	2	346
APR													
26...	1420	106	667	87	7.5	7.7	1,540	20.5	15.9	226	273	--	222
MAY													
18...	1250	114	654	88	7.4	7.8	1,420	27.0	16.1	208	254	--	201
JUN													
28...	1540	169	658	124	9.6	7.9	1,600	30.0	21.0	197	240	--	246
JUL													
26...	1130	60	660	67	5.1	7.8	1,950	32.0	21.5	232	280	--	299
SEP													
14...	0930	102	660	66	5.4	7.4	1,960	14.0	18.2	237	289	--	301

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	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)	Total nitrogen, wat unf by analysis, mg/L (62855)
OCT												
15...	254	.39	7.99	8.25	.50	35.4	.871	.265	4.10	1.34	1.53	9.15
NOV												
17...	245	.23	6.91	7.00	.29	30.6	.302	.092	3.14	1.02	1.18	7.69
DEC												
17...	238	.84	9.93	10.2	1.08	44.0	.818	.249	4.82	1.57	1.88	11.2
JAN												
21...	269	1.69	6.78	6.97	2.18	30.0	.638	.194	3.93	1.28	1.55	9.83
MAR												
04...	287	1.11	5.03	5.18	1.43	22.3	.506	.154	2.61	.852	1.07	7.01
APR												
26...	201	.28	6.64	6.73	.36	29.4	.309	.094	3.91	1.28	1.47	7.77
MAY												
18...	189	.52	4.68	4.86	.67	20.7	.569	.173	2.59	.846	1.06	6.04
JUN												
28...	218	.19	6.10	6.22	.24	27.0	.407	.124	3.65	1.19	1.37	7.46
JUL												
26...	275	1.07	4.40	4.68	1.38	19.5	.937	.285	3.28	1.07	1.50	6.41
SEP												
14...	276	.57	4.62	4.88	.74	20.5	.858	.261	3.91	1.27	1.40	6.24

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Suspended sediment discharge, tons/d (80155)	Suspended sediment concentration mg/L (80154)
OCT 15...	1120	3.7	13
NOV 17...	1100	9.5	29
JAN 21...	1010	2.3	13
MAR 04...	1200	2.2	21
APR 26...	1420	9.4	33
MAY 18...	1250	9.2	30
JUN 28...	1540	11	24
JUL 26...	1130	26	161
SEP 14...	0930	11	41

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 17...	1100	<.006	<.006	<.005	<.005	101	.018	<.050	<.010	<.004	E.012	<.020	<.005
JAN 21...	1010	<.006	<.006	<.005	<.005	96.7	.013	<.050	<.010	<.004	<.041	<.020	<.005
MAR 04...	1200	<.006	<.006	<.005	<.005	93.2	.017	<.050	<.010	<.004	<.041	<.020	<.005
APR 26...	1420	<.006	<.006	<.005	<.005	98.2	.017	<.050	<.010	<.004	E.040	<.020	<.005
MAY 18...	1250	<.006	<.006	<.005	<.005	106	.018	<.050	<.010	<.004	E.031	<.030	<.005
JUN 28...	1540	<.006	<.006	<.005	<.005	96.0	.021	<.050	<.010	<.004	E.031	<.020	<.005
JUL 26...	1130	<.006	<.006	<.005	<.005	105	.019	<.050	<.010	<.004	E.071	<.020	<.005
SEP 14...	0930	<.006	<.006	<.005	<.005	99.7	.017	<.050	<.010	<.004	E.022	<.020	<.005

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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 17...	E.006	<.006	<.018	.004	<.029	<.012	141	.019	<.009	<.02	<.004	<.009	<.005
JAN 21...	E.009	<.006	<.018	<.003	<.029	<.012	118	.007	<.009	<.02	<.007	<.009	<.005
MAR 04...	E.011	<.006	<.018	<.003	<.029	<.012	109	<.005	<.009	<.02	<.004	<.009	<.005
APR 26...	E.011	<.006	<.018	.004	<.029	<.012	117	.021	<.009	<.02	<.004	<.009	<.005
MAY 18...	E.009	<.006	<.018	<.003	<.029	<.012	109	.020	<.009	<.02	<.004	<.009	<.005
JUN 28...	E.008	<.006	<.018	<.003	<.029	<.012	103	.051	<.009	<.02	<.004	<.009	<.005
JUL 26...	E.009	<.006	<.018	<.003	<.029	<.012	115	.017	<.009	<.02	<.004	<.009	<.005
SEP 14...	E.007	<.006	<.018	<.003	<.029	<.012	110	.013	<.009	<.02	<.004	<.009	<.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 17...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JAN 21...	<.013	<.024	<.016	<.003	<.010	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
MAR 04...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
APR 26...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
MAY 18...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JUN 28...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
JUL 26...	<.013	<.024	<.016	<.003	<.004	<.035	<.027	<.015	<.013	<.006	<.003	<.007	<.003
SEP 14...	<.013	<.024	<.016	<.003	<.004	<.035	E.009	<.015	<.013	<.006	<.003	<.007	<.003

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

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)	Propyzamide, 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 17...	<.010	<.004	<.022	<.011	.05	<.004	<.025	.019	<.02	<.005	E.01	<.034	<.02
JAN 21...	<.010	<.004	<.022	<.011	.28	<.004	<.025	<.011	<.02	<.005	E.02	<.034	<.02
MAR 04...	<.010	<.004	<.022	<.011	.03	<.004	<.025	<.011	<.02	<.005	.03	<.034	<.02
APR 26...	<.010	<.004	<.022	<.011	.05	<.004	<.025	<.011	<.02	<.005	E.04	<.034	<.02
MAY 18...	<.010	<.004	<.022	<.011	.03	<.004	<.025	<.011	<.02	<.005	<.02	<.034	<.02
JUN 28...	<.010	<.004	<.022	<.011	.04	<.004	<.025	<.011	<.02	<.005	E.01	<.034	<.02
JUL 26...	<.010	<.004	<.022	<.011	.04	<.004	<.025	<.011	<.02	<.010	E.02	<.034	<.02
SEP 14...	<.010	<.004	<.022	<.011	.04	<.013	<.025	<.020	<.10	<.005	E.01	<.034	<.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 17...	<.010	<.002	<.009
JAN 21...	<.010	<.002	<.009
MAR 04...	<.010	<.002	<.009
APR 26...	<.010	<.002	<.009
MAY 18...	<.010	<.002	<.009
JUN 28...	<.010	<.002	<.009
JUL 26...	<.010	<.002	<.009
SEP 14...	<.010	<.002	<.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)
Mar 23	1945	*13	*1.41				

Minimum discharge, 0.52 ft^3/s, Oct 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.53	0.85	0.91	1.1	e1.1	1.4	8.6	6.4	3.6	1.8	1.2	1.1
2	0.52	0.84	0.88	0.99	1.1	1.4	9.3	6.2	3.4	1.7	1.2	1.1
3	0.60	0.86	0.87	e1.1	1.1	1.5	11	6.1	3.4	1.7	1.3	1.2
4	0.58	0.86	0.88	e1.3	1.1	1.5	10	6.0	3.2	1.7	1.3	1.2
5	0.58	0.85	0.89	e1.4	1.1	1.5	10	5.9	3.1	1.6	1.2	1.2
6	0.60	0.85	0.91	e1.4	0.97	1.5	9.9	5.7	3.0	1.6	1.2	1.1
7	0.62	0.85	1.0	e1.2	0.99	1.6	10	5.6	3.0	1.6	1.2	1.1
8	0.63	0.88	1.0	e1.1	1.0	2.0	11	5.5	2.9	1.6	1.1	1.1
9	0.63	0.87	0.92	e1.1	e1.1	2.8	10	5.3	2.8	1.5	1.1	1.1
10	0.64	0.97	1.0	e1.1	e1.0	3.6	9.4	5.2	3.5	1.4	1.1	1.1
11	0.64	0.93	0.96	e1.1	e0.95	4.0	8.7	5.1	3.2	1.4	1.1	1.0
12	0.65	0.91	0.96	e1.3	e0.90	4.2	8.2	5.0	2.9	1.4	1.1	1.1
13	0.65	1.0	1.0	e1.4	e0.90	4.6	8.0	5.1	2.8	1.3	1.1	1.1
14	0.65	1.1	1.0	e1.5	e0.95	5.1	7.7	5.0	2.6	1.3	1.1	1.1
15	0.65	0.97	e0.91	e1.4	e1.0	5.4	7.6	4.6	2.6	1.3	1.1	1.1
16	0.65	1.1	e0.88	e1.3	e1.1	5.5	7.3	4.6	2.5	1.3	1.1	1.1
17	0.65	1.0	e0.87	1.2	1.1	5.8	7.1	4.4	2.5	1.6	1.1	1.1
18	0.65	0.96	e0.96	1.1	1.2	6.3	7.5	4.2	2.4	1.7	1.1	1.0
19	0.65	0.96	1.0	1.1	1.2	7.1	7.1	4.3	2.3	1.4	1.2	1.1
20	0.67	0.95	1.0	1.1	1.2	7.9	7.0	4.3	2.3	1.5	1.1	1.2
21	0.70	0.93	1.1	1.1	1.2	8.5	7.3	4.2	2.2	1.4	1.1	1.1
22	0.70	0.83	1.0	1.1	1.2	9.4	7.4	4.2	2.2	1.3	1.1	1.2
23	0.70	0.86	0.98	1.2	1.3	11	7.4	4.2	2.1	1.4	1.2	1.2
24	0.70	0.90	1.0	e1.1	1.3	12	7.3	4.1	2.0	1.4	1.2	1.2
25	0.71	0.86	e1.1	e1.1	1.4	11	7.2	4.1	2.0	1.3	1.2	1.2
26	0.73	0.88	e0.87	1.1	1.5	11	7.0	4.0	1.9	1.3	1.1	1.2
27	0.75	0.86	e0.57	1.1	1.4	10	6.9	3.9	1.9	1.3	1.2	1.2
28	0.75	0.89	e1.2	1.1	1.4	8.9	7.0	3.9	1.9	1.3	1.2	1.2
29	0.75	0.92	1.2	1.1	1.1	8.3	6.8	4.3	1.9	1.3	1.1	1.2
30	0.80	0.93	1.1	1.1	---	8.1	6.6	3.9	1.9	1.3	1.1	1.2
31	0.83	---	1.2	1.1	---	8.3	---	3.7	---	1.3	1.1	---
TOTAL	20.56	27.42	30.12	36.49	32.86	181.2	246.3	149.0	78.0	45.0	35.6	34.1
MEAN	0.66	0.91	0.97	1.18	1.13	5.85	8.21	4.81	2.60	1.45	1.15	1.14
MAX	0.83	1.1	1.2	1.5	1.5	12	11	6.4	3.6	1.8	1.3	1.2
MIN	0.52	0.83	0.57	0.99	0.90	1.4	6.6	3.7	1.9	1.3	1.1	1.0
AC-FT	41	54	60	72	65	359	489	296	155	89	71	68

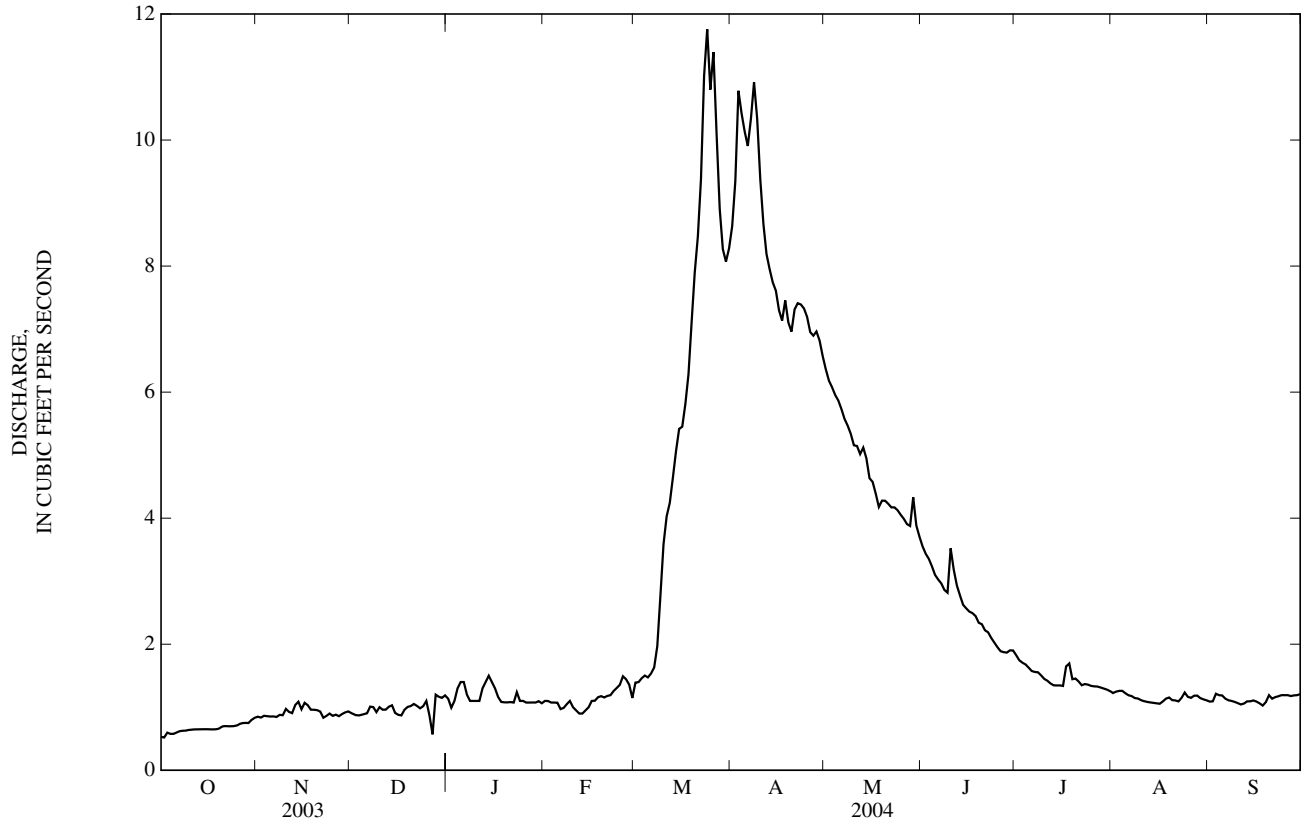
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	1.92	1.99	1.90	1.93	2.33	4.53	9.06	12.4	6.53	3.26	2.11	1.80
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	0.66	0.91	0.91	0.83	1.00	1.06	1.79	1.55	0.95	0.60	0.44	0.47
(WY)	(2004)	(2004)	(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 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	425.51		916.65			
ANNUAL MEAN	1.17		2.50		4.16	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					1.12	1990
HIGHEST DAILY MEAN	3.2	May 12	12	Mar 24	95	May 28, 1983
LOWEST DAILY MEAN	0.39	Aug 21	0.52	Oct 2	0.38	Aug 9, 1990
ANNUAL SEVEN-DAY MINIMUM	0.41	Aug 15	0.58	Oct 1	0.39	Sep 10, 1990
ANNUAL RUNOFF (AC-FT)	844		1,820		3,010	
10 PERCENT EXCEEDS	2.1		7.1		9.5	
50 PERCENT EXCEEDS	1.0		1.2		2.4	
90 PERCENT EXCEEDS	0.48		0.85		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 2003 TO SEPTEMBER 2004

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													
17...	1450	1.0	628	100	11.2	8.5	695	3.0	2.6	234	270	7	12.4
JAN													
20...	1300	1.6	632	91	10.9	8.4	723	-4.0	.3	241	277	8	12.2
MAR													
12...	1000	3.2	632	100	11.3	8.1	607	6.5	2.5	186	222	2	11.5
MAY													
20...	1130	4.3	630	102	9.9	8.3	571	19.5	8.5	248	288	7	9.46
JUL													
21...	1900	1.3	626	96	7.9	8.2	574	26.5	15.6	212	257	--	9.85
SEP													
13...	1445	.91	629	105	9.2	8.0	630	24.0	12.9	221	264	3	10.6

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	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)	Total nitrogen, wat unf by analysis, mg/L (62855)	Suspended sediment discharge, tons/d (80155)	Suspended sediment concentration mg/L (80154)
NOV										
17...	135	<.04	<.06	<.008	.107	.035	.045	.04	.32	117
JAN										
20...	139	<.04	E.03	<.008	.055	.018	.025	.05	.13	30
MAR										
12...	119	<.04	.14	<.008	.064	.021	.042	.33	.17	20
MAY										
20...	69.5	<.04	<.06	<.008	.061	.020	.037	.10	.38	33
JUL										
21...	91.9	<.04	<.06	<.008	.037	.012	.021	.09	.22	62
SEP										
13...	107	<.04	<.06	<.008	.064	.021	.029	.07	.11	45

WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

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)
AUG												
06...	0900	1.2	8.9	8.5	610	12.4	33.9	350	361.3	14.3	419	8.4

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