

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

Jordan River Basin

LOCATION.--Lat 39°43'02", long 111°43'58" referenced to North American Datum of 1927, in SE ¼ SW ¼ NW ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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, 318 ft<sup>3</sup>/s, May 22, 2005, gage height, 6.50 ft; minimum daily discharge, 2.0 ft<sup>3</sup>/s, Dec 25-29, 1994.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 318 ft<sup>3</sup>/s, May 22, gage height, 6.50 ft; minimum daily discharge, 2.6 ft<sup>3</sup>/s, Nov 15, 16.

## 10145400 SALT CREEK BELOW NEPHI POWERPLANT DIVERSION, NEAR NEPHI, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.2	3.3	4.8	6.9	4.4	4.8	10	63	123	59	16	6.9
2	4.8	3.1	4.6	6.7	4.4	4.8	11	61	112	59	14	6.9
3	4.8	3.0	4.6	7.0	4.6	4.9	14	63	99	58	12	7.0
4	4.6	3.0	5.1	6.8	4.6	5.0	17	68	87	55	12	8.3
5	4.5	3.0	5.7	6.9	4.6	5.0	e18	82	88	50	13	10
6	4.7	3.0	6.4	6.5	4.6	5.0	e18	106	104	48	13	7.7
7	4.7	2.9	8.4	5.6	4.7	4.8	e24	127	102	47	12	7.1
8	4.8	2.9	9.7	6.4	4.8	4.9	36	132	82	44	15	7.1
9	4.8	3.0	9.6	8.8	4.8	5.2	32	117	69	42	15	11
10	4.8	2.9	8.8	12	4.8	6.5	27	129	65	40	15	16
11	5.0	2.9	8.3	16	4.7	8.7	24	170	66	39	11	15
12	5.0	2.9	8.2	11	4.8	12	24	213	68	39	11	10
13	5.1	2.8	7.8	8.4	4.6	15	31	237	73	39	10	7.0
14	5.1	2.7	8.0	7.9	4.7	12	36	170	74	42	11	6.6
15	5.2	2.6	7.3	7.9	4.9	11	37	183	87	38	11	6.6
16	5.4	2.6	7.2	8.1	4.8	9.6	42	176	123	36	10	6.5
17	6.0	3.6	6.8	7.6	4.8	8.6	55	240	132	34	10	6.5
18	6.0	4.7	6.8	7.8	4.8	7.6	78	194	131	32	10	10
19	7.3	4.4	6.6	8.1	4.8	7.3	80	203	123	29	10	9.3
20	5.6	4.4	6.6	8.3	4.8	8.8	58	253	120	27	9.9	6.4
21	3.5	4.2	6.4	8.4	4.8	7.1	41	302	123	28	9.8	6.4
22	3.5	4.2	6.4	8.4	4.8	5.0	34	304	121	28	9.9	6.4
23	3.5	4.2	6.1	8.4	4.8	e6.9	32	296	117	27	9.5	6.4
24	3.5	4.3	4.5	6.4	4.8	e7.2	48	303	115	23	9.0	6.4
25	3.3	4.4	5.7	4.6	4.8	7.5	53	271	101	23	8.8	7.8
26	3.3	4.1	6.6	4.5	5.0	6.3	55	223	87	21	8.6	7.8
27	3.3	4.2	6.7	4.4	4.8	8.0	73	200	77	17	8.3	7.1
28	3.5	4.5	6.4	4.5	4.8	9.9	83	189	69	15	8.3	6.6
29	3.3	e4.8	7.6	4.5	---	9.7	77	194	59	15	7.8	6.1
30	3.3	4.6	6.6	4.5	---	10	66	184	59	15	7.9	5.9
31	3.3	---	6.7	4.4	---	9.7	---	139	---	15	7.1	---
<b>Total</b>	140.7	107.2	211.0	227.7	132.6	238.8	1,234	5,592	2,856	1,084	335.9	238.8
<b>Mean</b>	4.54	3.57	6.81	7.35	4.74	7.70	41.1	180	95.2	35.0	10.8	7.96
<b>Max</b>	7.3	4.8	9.7	16	5.0	15	83	304	132	59	16	16
<b>Min</b>	3.3	2.6	4.5	4.4	4.4	4.8	10	61	59	15	7.1	5.9
<b>Ac-ft</b>	279	213	419	452	263	474	2,450	11,090	5,660	2,150	666	474

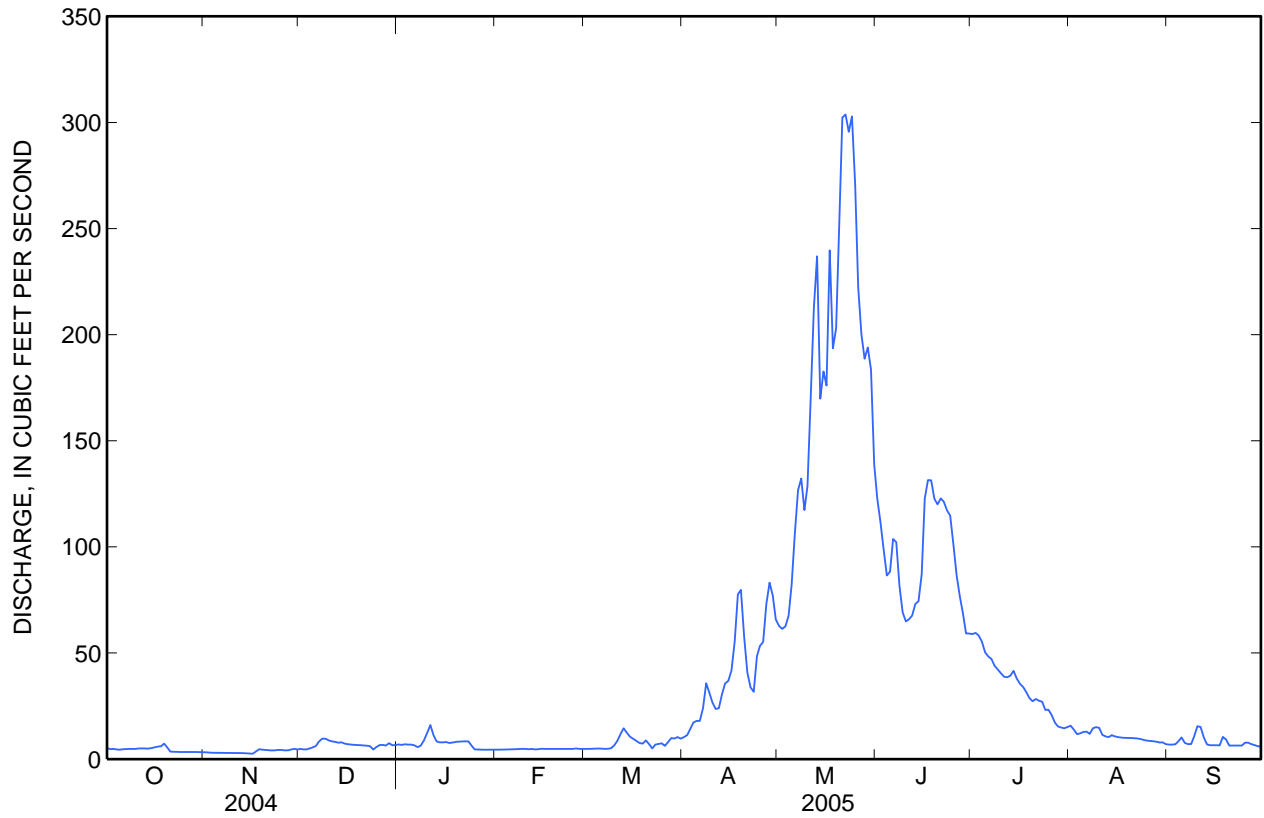
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	4.65	4.57	4.35	4.36	4.21	9.23	23.9	57.9	38.6	16.1	7.78	7.25
<b>Max</b>	6.73	6.94	6.81	7.35	5.55	28.8	60.6	180	95.2	47.5	10.8	10.4
<b>(WY)</b>	(1995)	(1995)	(2005)	(2005)	(2003)	(1997)	(1997)	(2005)	(2005)	(1995)	(2005)	(1999)
<b>Min</b>	2.80	3.23	2.30	2.94	3.36	3.46	6.27	8.74	7.01	5.94	4.56	4.66
<b>(WY)</b>	(1994)	(1994)	(1994)	(1994)	(2001)	(1994)	(2002)	(2002)	(2002)	(2000)	(2002)	(2001)

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

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1994 - 2005	
<b>Annual total</b>	3,311.7		12,398.7			
<b>Annual mean</b>	9.05		34.0		15.3	
<b>Highest annual mean</b>					34.0	2005
<b>Lowest annual mean</b>					5.99	2002
<b>Highest daily mean</b>	38	May 6	304	May 22	304	May 22, 2005
<b>Lowest daily mean</b>	2.6	Nov 15	2.6	Nov 15	2.0	Dec 26, 1993
<b>Annual seven-day minimum</b>	2.8	Nov 10	2.8	Nov 10	2.1	Dec 22, 1993
<b>Annual runoff (ac-ft)</b>	6,570		24,590		11,080	
<b>10 percent exceeds</b>	20		108		39	
<b>50 percent exceeds</b>	6.5		8.3		6.1	
<b>90 percent exceeds</b>	3.8		4.4		3.3	





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Water-Data Report UT-2005

**10146000 SALT CREEK AT NEPHI, UT**

Jordan River Basin

LOCATION.--Lat 39°42'47", long 111°48'13" referenced to North American Datum of 1927, in SE ¼ SW ¼ NE ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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<sup>3</sup>/s, Aug 1, 1968, gage height, 6.43 ft from floodmarks; minimum, 1.1 ft<sup>3</sup>/s, Dec 13, 1951 and Dec 11, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 306 ft<sup>3</sup>/s, May 21, gage height, 3.41 ft; minimum daily discharge, 2.4 ft<sup>3</sup>/s, Dec 3, 4.

## 10146000 SALT CREEK AT NEPHI, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	6.2	4.4	2.8	9.1	7.3	7.8	14	71	141	74	20	12
2	6.1	4.4	2.5	9.1	7.3	7.6	14	70	131	74	19	12
3	6.0	4.4	2.4	9.1	7.3	7.6	17	69	119	71	16	12
4	5.7	4.4	2.4	9.1	7.3	7.6	20	77	107	69	16	12
5	5.5	4.4	2.5	9.3	7.3	7.7	22	85	105	64	16	14
6	5.5	4.4	3.0	9.1	7.3	7.7	21	100	118	60	17	13
7	5.5	4.4	4.5	8.0	7.6	7.8	24	115	119	58	16	12
8	5.7	4.2	7.4	8.5	7.5	8.0	29	117	102	53	18	12
9	5.7	4.4	7.7	10	7.3	8.0	30	126	90	51	17	12
10	5.7	4.2	7.9	16	7.3	8.4	29	127	81	48	20	16
11	5.7	4.2	7.9	21	7.3	9.7	27	146	82	45	19	19
12	5.8	e4.3	8.0	16	8.6	11	27	163	84	44	17	18
13	6.2	e4.2	8.0	12	8.0	16	31	198	84	45	15	14
14	6.4	e4.2	8.0	12	7.9	16	34	223	88	47	15	12
15	6.5	e4.2	8.0	11	8.0	14	35	206	98	46	16	12
16	6.4	3.9	8.1	11	7.6	13	40	208	127	41	16	11
17	6.4	4.0	8.4	11	7.6	13	45	224	140	39	15	11
18	6.6	4.7	8.4	11	7.6	13	65	201	137	37	15	13
19	6.8	5.3	8.4	11	7.7	12	85	206	133	32	15	14
20	8.0	5.4	8.4	11	8.2	12	77	243	130	31	14	12
21	8.4	5.5	8.4	11	8.7	12	62	273	132	32	14	11
22	7.2	5.7	8.4	11	8.5	11	55	268	129	32	14	11
23	5.5	5.9	8.0	12	8.3	11	49	263	125	32	14	11
24	5.9	6.0	5.4	11	8.0	12	59	259	123	27	14	11
25	5.4	5.8	4.8	10	7.9	13	69	259	115	28	14	11
26	4.9	5.6	6.4	9.1	7.9	12	68	229	103	26	14	13
27	5.0	5.7	8.7	8.4	7.9	11	78	206	95	23	13	12
28	6.0	6.1	8.7	8.0	7.7	13	89	193	86	24	13	12
29	5.1	4.3	9.2	7.6	---	13	84	206	74	22	12	11
30	4.6	3.2	9.3	7.6	---	14	72	203	74	20	12	11
31	4.4	---	9.1	7.3	---	14	---	159	---	19	12	---
<b>Total</b>	184.8	141.8	211.1	327.3	216.9	343.9	1,371	5,493	3,272	1,314	478	377
<b>Mean</b>	5.96	4.73	6.81	10.6	7.75	11.1	45.7	177	109	42.4	15.4	12.6
<b>Max</b>	8.4	6.1	9.3	21	8.7	16	89	273	141	74	20	19
<b>Min</b>	4.4	3.2	2.4	7.3	7.3	7.6	14	69	74	19	12	11
<b>Ac-ft</b>	367	281	419	649	430	682	2,720	10,900	6,490	2,610	948	748

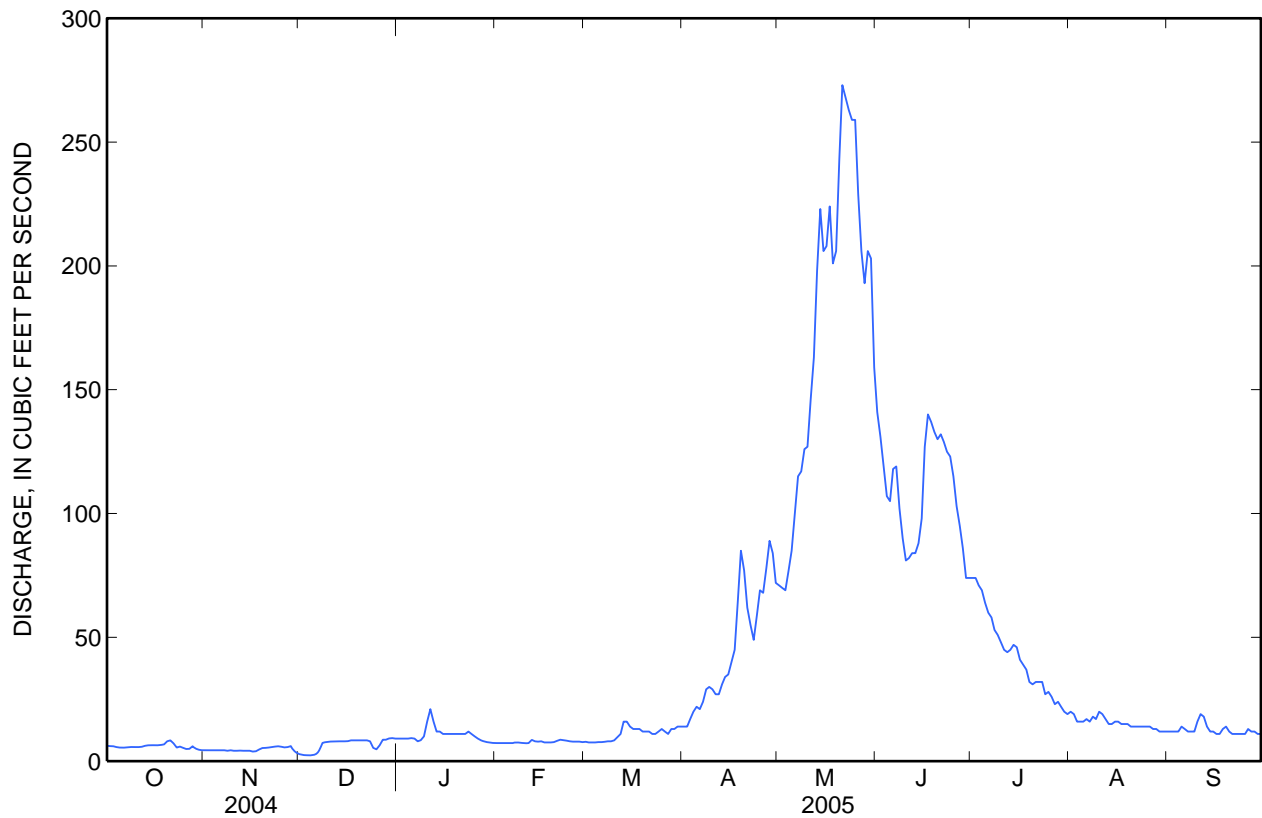
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 – 80,1994 - 2005, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	10.2	9.73	9.19	9.26	10.0	13.8	40.8	79.2	57.5	26.2	14.6	11.8
<b>Max</b>	26.0	19.7	16.4	17.0	18.6	30.9	172	276	132	70.8	50.9	32.9
<b>(WY)</b>	(1953)	(1953)	(1953)	(1970)	(1971)	(1997)	(1952)	(1952)	(1952)	(1952)	(1952)	(1952)
<b>Min</b>	4.04	4.45	3.56	4.45	4.73	5.37	6.72	10.2	7.67	6.89	4.78	4.80
<b>(WY)</b>	(2003)	(2003)	(2003)	(1994)	(1995)	(2001)	(2003)	(2002)	(2002)	(1994)	(2002)	(2002)

10146000 SALT CREEK AT NEPHI, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Year s 1952 – 80, 1994 - 2005	
<b>Annual total</b>	3,995.4		13,730.8			
<b>Annual mean</b>	10.9		37.6		24.5	
<b>Highest annual mean</b>					66.1	1952
<b>Lowest annual mean</b>					6.59	2002
<b>Highest daily mean</b>	42	May 6	273	May 21	580	May 2, 1952
<b>Lowest daily mean</b>	1.5	Jan 6	2.4	Dec 3	1.4	Dec 26, 2001
<b>Annual seven-day minimum</b>	2.7	Nov 30	2.7	Nov 30	2.5	Dec 23, 2001
<b>Annual runoff (ac-ft)</b>	7,920		27,240		17,770	
<b>10 percent exceeds</b>	24		118		62	
<b>50 percent exceeds</b>	7.6		12		12	
<b>90 percent exceeds</b>	4.7		5.4		6.3	



**10146400 CURRANT CREEK NEAR MONA, UT**

Jordan River Basin

LOCATION.--Lat 39°48'09", long 111°51'44" referenced to North American Datum of 1927, in NE ¼ SW ¼ NW ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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

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

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<sup>3</sup>/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<sup>3</sup>/s, Sep 2, 3, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 241 ft<sup>3</sup>/s, May 22,, gage height, 7.30 ft; minimum daily discharge, 4.0 ft<sup>3</sup>/s, Oct 9.

## 10146400 CURRANT CREEK NEAR MONA, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.6	7.1	6.7	7.6	22	26	27	38	88	16	13	11
2	4.5	7.1	6.7	7.1	20	25	27	38	74	14	13	11
3	4.2	7.1	6.7	7.2	20	26	32	41	68	14	13	14
4	4.2	7.1	6.7	7.9	21	26	32	33	59	13	13	14
5	4.1	7.0	6.9	8.2	21	26	45	31	50	12	13	12
6	4.1	6.2	7.1	7.7	21	25	36	41	51	11	13	12
7	4.1	6.6	7.1	7.4	27	25	24	85	62	11	13	12
8	4.1	6.0	7.3	6.9	28	27	22	85	60	11	13	12
9	4.0	6.2	8.6	10	23	28	27	72	48	11	13	12
10	4.1	6.5	8.7	32	22	30	28	83	44	11	12	12
11	4.5	6.1	7.9	66	24	30	26	114	40	10	13	12
12	4.8	5.8	7.7	56	42	32	17	158	46	10	12	14
13	4.8	5.8	7.6	32	34	31	13	149	43	10	12	15
14	5.0	5.8	7.5	22	31	35	14	167	39	10	13	13
15	5.0	5.8	7.2	25	33	35	16	167	41	10	12	12
16	5.1	5.8	6.5	26	35	32	17	147	46	11	12	12
17	5.3	5.8	6.4	24	33	25	13	152	54	9.9	12	12
18	7.0	5.8	6.2	20	31	24	14	159	60	10	11	12
19	8.2	5.8	6.1	18	36	23	26	133	62	10	12	12
20	8.4	5.8	6.0	18	42	44	45	131	57	10	12	12
21	11	5.9	6.0	17	63	35	27	172	54	10	12	12
22	10	6.0	6.2	17	48	28	13	231	54	11	12	12
23	7.6	6.0	6.2	17	42	41	10	237	52	12	12	12
24	7.7	5.7	6.0	18	33	58	18	228	46	13	12	12
25	8.5	5.8	6.0	21	30	48	26	218	43	12	12	13
26	8.0	6.3	6.1	23	28	39	28	207	37	13	12	12
27	7.7	6.4	6.2	26	26	30	29	157	28	13	12	12
28	9.5	7.7	6.4	26	26	28	37	142	22	12	10	13
29	8.0	6.8	8.6	29	---	43	37	112	20	12	9.1	15
30	7.6	6.6	8.0	25	---	39	51	114	17	12	10	14
31	7.4	---	7.1	22	---	32	---	115	---	13	11	---
<b>Total</b>	193.1	188.4	214.4	650.0	862	996	777	3,957	1,465	357.9	374.1	375
<b>Mean</b>	6.23	6.28	6.92	21.0	30.8	32.1	25.9	128	48.8	11.5	12.1	12.5
<b>Max</b>	11	7.7	8.7	66	63	58	51	237	88	16	13	15
<b>Min</b>	4.0	5.7	6.0	6.9	20	23	10	31	17	9.9	9.1	11
<b>Ac-ft</b>	383	374	425	1,290	1,710	1,980	1,540	7,850	2,910	710	742	744

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979 - 2005, BY WATER YEAR (WY)**

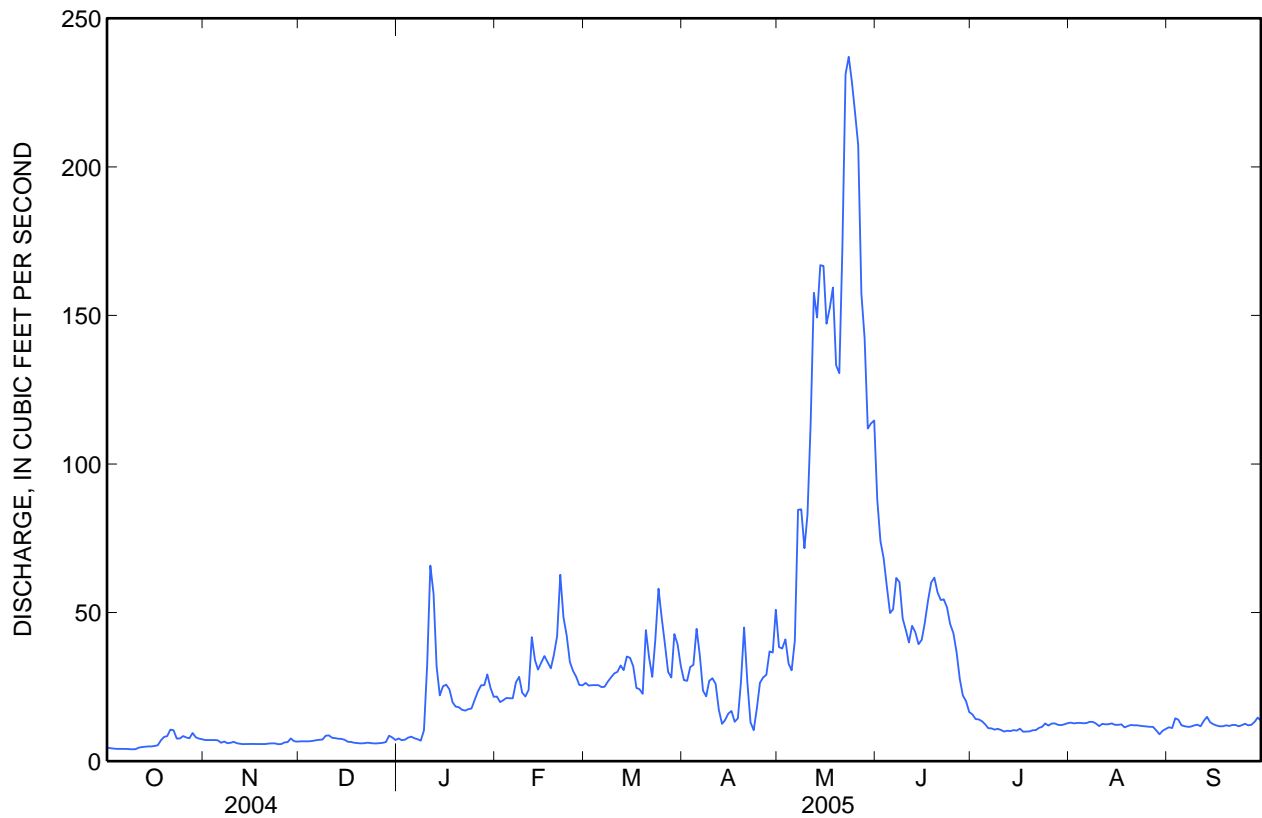
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	17.9	23.1	24.6	28.9	38.0	45.7	43.9	49.6	30.1	12.1	10.6	12.3
<b>Max</b>	71.7	75.4	85.4	65.5	104	172	191	319	245	50.4	41.5	41.5
<b>(WY)</b>	(1985)	(1984)	(1984)	(1986)	(1986)	(1985)	(1985)	(1984)	(1983)	(1983)	(1984)	(1984)
<b>Min</b>	4.26	4.77	5.41	7.26	8.77	13.1	8.90	5.89	3.93	3.19	2.55	2.66
<b>(WY)</b>	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2002)	(2002)	(2004)	(2002)



10146400 CURRANT CREEK NEAR MONA, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1979 - 2005	
<b>Annual total</b>	2,753.8		10,409.9			
<b>Annual mean</b>	7.52		28.5		28.0	
<b>Highest annual mean</b>					101	1984
<b>Lowest annual mean</b>					6.38	2003
<b>Highest daily mean</b>	34	Feb 26	237	May 23	566	May 14, 1984
<b>Lowest daily mean</b>	2.1	Aug 23	4.0	Oct 9	1.0	Sep 3, 2002
<b>Annual seven-day minimum</b>	2.3	Aug 17	4.1	Oct 4	1.7	Aug 30, 2002
<b>Annual runoff (ac-ft)</b>	5,460		20,650		20,280	
<b>10 percent exceeds</b>	18		57		60	
<b>50 percent exceeds</b>	6.1		13		14	
<b>90 percent exceeds</b>	2.9		6.1		5.7	



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

Jordan River Basin

LOCATION.--Lat 40°07'05", long 111°18'50" referenced to North American Datum of 1927, in NE ¼ NE ¼ SE ¼ sec.13, T.8 S., R.5 E., Utah County, Hydrologic Unit 16020202, on left bank 400 ft upstream from Syar Tunnel.

DRAINAGE AREA.--15.0 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--October 1998 to September 2003, April 2004 to current year.

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<sup>3</sup>/s, Sep 13, 2001, gage height, 5.27 ft; minimum, 3.0 ft<sup>3</sup>/s, Mar 16, 2000.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 75 ft<sup>3</sup>/s, May 20, gage height, 4.84 ft; minimum daily discharge, 28 ft<sup>3</sup>/s, Nov 7,8.

## 10149000 SIXTH WATER CREEK ABOVE SYAR TUNNEL, NEAR SPRINGVILLE, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	49	49	e31	29	30	30	43	52	51	e39	39	40
2	63	30	e30	e29	33	31	43	52	e50	e39	39	39
3	67	30	e30	29	33	30	44	53	49	39	40	39
4	66	29	e30	29	31	30	44	54	48	39	43	39
5	64	29	e29	29	31	31	44	56	47	39	42	37
6	65	29	29	29	32	31	45	61	47	39	42	37
7	66	28	31	e29	30	31	46	59	46	39	41	39
8	65	28	30	e30	31	31	48	58	46	39	41	39
9	66	29	30	30	e30	32	48	58	45	38	41	42
10	67	30	30	31	33	32	47	61	45	39	41	44
11	67	30	29	31	31	32	47	62	45	39	41	44
12	67	30	30	29	30	32	44	62	46	39	40	43
13	68	30	30	e29	30	32	40	63	45	38	39	43
14	68	30	30	e29	30	33	40	66	44	38	38	42
15	68	30	30	e30	30	35	41	68	43	38	39	41
16	68	30	e30	e30	30	32	42	70	43	38	43	41
17	68	30	e30	30	33	32	44	72	42	38	43	43
18	69	30	e30	30	30	32	46	70	42	38	43	43
19	70	30	e30	29	30	32	46	71	42	38	43	42
20	72	30	30	29	30	33	45	73	42	39	42	41
21	72	30	e30	29	30	33	43	73	42	39	42	41
22	71	30	e30	30	30	33	43	71	42	39	42	41
23	70	31	e30	30	30	33	43	68	41	39	42	41
24	71	30	e29	31	31	33	46	66	40	39	42	41
25	71	31	e29	31	32	33	48	63	40	39	42	41
26	70	31	e29	30	31	34	50	61	40	39	42	41
27	70	31	e29	30	32	33	53	59	39	39	42	42
28	71	31	29	30	32	33	55	58	e40	39	42	41
29	70	e31	29	29	---	33	54	57	e40	39	42	41
30	70	e31	29	30	---	33	53	e56	e40	40	42	48
31	70	---	29	31	---	37	---	e51	---	39	41	---
<b>Total</b>	2,099	918	921	921	866	1,002	1,375	1,924	1,312	1,202	1,281	1,236
<b>Mean</b>	67.7	30.6	29.7	29.7	30.9	32.3	45.8	62.1	43.7	38.8	41.3	41.2
<b>Max</b>	72	49	31	31	33	37	55	73	51	40	43	48
<b>Min</b>	49	28	29	29	30	30	40	51	39	38	38	37
<b>Ac-ft</b>	4,160	1,820	1,830	1,830	1,720	1,990	2,730	3,820	2,600	2,380	2,540	2,450

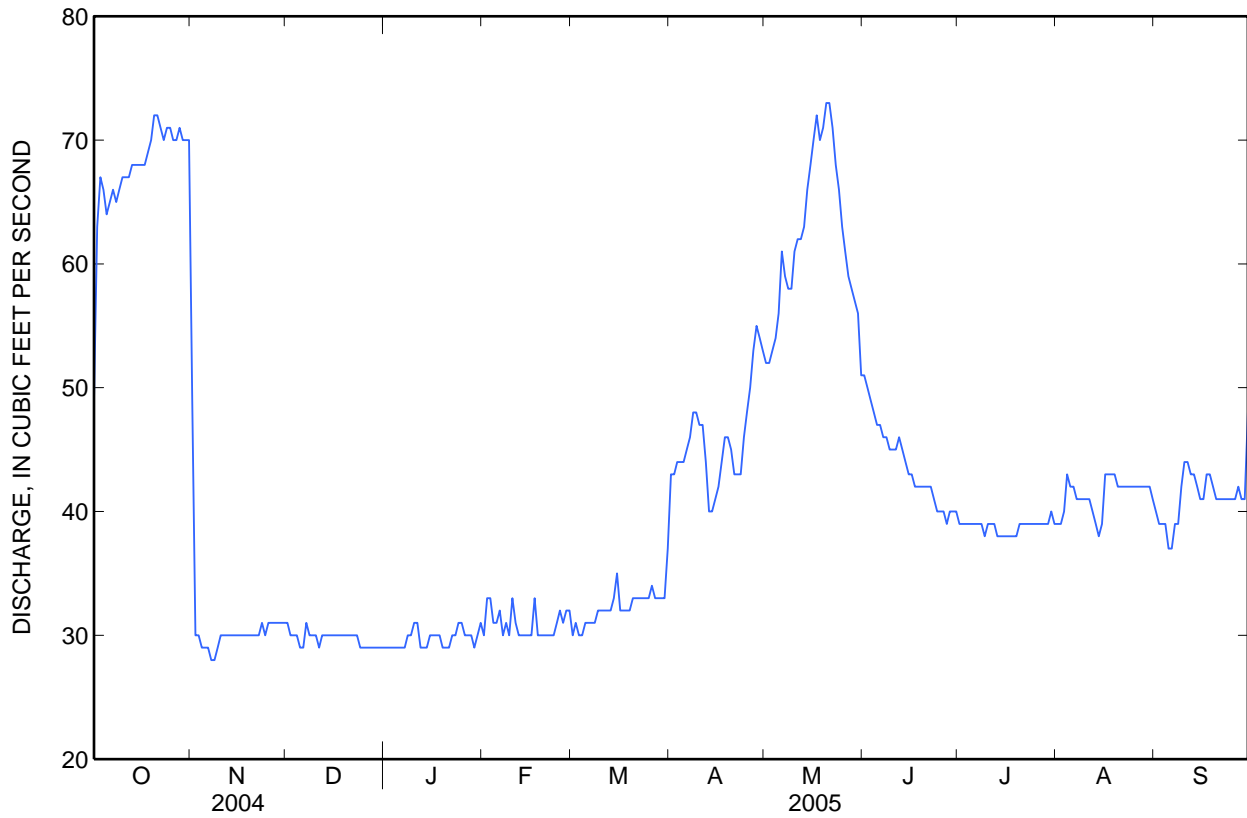
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999-2003, 2005, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	27.5	19.8	19.1	17.6	18.0	19.2	27.3	43.2	40.4	37.0	36.8	35.0
<b>Max</b>	67.7	30.6	29.7	29.7	30.9	32.3	45.8	62.1	47.7	41.9	41.3	41.2
<b>(WY)</b>	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(1999)	(1999)	(2005)	(2005)
<b>Min</b>	5.50	5.16	4.38	4.32	4.26	4.81	6.05	31.4	34.6	32.2	32.8	28.7
<b>(WY)</b>	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2001)	(2004)	(2003)	(2000)	(2002)

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

SUMMARY STATISTICS

	Water Year 2005		Water Years 1999-2003, 2005	
<b>Annual total</b>	15,057			
<b>Annual mean</b>	41.3		27.2	
<b>Highest annual mean</b>			41.3	2005
<b>Lowest annual mean</b>			18.5	2001
<b>Highest daily mean</b>	73	May 20	75	Nov 24, 1998
<b>Lowest daily mean</b>	28	Nov 7	3.2	Dec 19, 2000
<b>Annual seven-day minimum</b>	29	Nov 3	3.5	Dec 18, 2000
<b>Annual runoff (ac-ft)</b>	29,870		19,690	
<b>10 percent exceeds</b>	66		42	
<b>50 percent exceeds</b>	39		30	
<b>90 percent exceeds</b>	30		5.1	



**10149400 DIAMOND FORK ABOVE RED HOLLOW, NEAR THISTLE, UT**

Jordan River Basin

LOCATION.--Lat 40°04'35", long 111°22'57" referenced to North American Datum of 1927, in SW ¼ SE ¼ NW ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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<sup>3</sup>/s, Jun 19, 2002, gage height, 5.68 ft; minimum daily discharge, 29 ft<sup>3</sup>/s, Oct 9, 12, 14, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 276 ft<sup>3</sup>/s, May 22, gage height, 4.99 ft; minimum daily discharge, 56 ft<sup>3</sup>/s, Apr 2.

## 10149400 DIAMOND FORK ABOVE RED HOLLOW, NEAR THISTLE, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	94	64	66	71	77	79	68	154	164	98	86	88
2	63	65	63	69	77	78	56	154	156	98	85	82
3	62	64	64	70	77	78	59	153	146	92	85	80
4	61	64	66	70	78	79	62	158	136	90	88	78
5	62	64	67	71	78	79	62	170	129	90	86	77
6	62	63	66	71	78	80	65	195	126	89	86	74
7	62	63	66	70	80	82	77	193	123	88	86	82
8	62	63	68	73	78	82	93	185	118	85	86	78
9	61	64	68	73	77	84	85	181	112	84	94	95
10	61	65	68	80	78	86	79	198	108	83	92	91
11	61	65	69	83	79	88	77	214	107	82	86	87
12	e61	65	69	76	81	89	74	200	113	88	88	86
13	e62	63	70	72	80	90	76	202	102	88	87	82
14	64	63	69	73	80	88	85	213	100	84	81	88
15	64	63	69	76	82	86	86	226	99	89	79	84
16	64	63	68	76	81	84	91	240	110	89	90	79
17	63	63	68	75	80	84	103	256	115	88	87	80
18	64	64	68	75	81	84	116	231	116	87	87	79
19	64	65	68	75	80	84	116	230	108	86	85	84
20	74	65	69	76	81	87	113	244	107	84	85	77
21	77	65	68	75	80	86	105	263	109	86	84	82
22	72	66	66	75	80	85	102	265	102	88	81	82
23	66	65	64	74	78	79	102	256	102	87	78	81
24	70	65	64	75	78	73	113	254	104	84	83	80
25	69	66	67	77	79	72	123	242	102	84	80	81
26	65	68	71	78	79	71	129	223	101	83	81	82
27	72	69	72	80	80	71	149	209	97	83	81	87
28	77	69	69	79	79	73	170	199	103	85	81	88
29	65	64	71	78	---	68	169	193	99	90	78	87
30	64	64	71	77	---	64	161	190	98	87	81	91
31	63	---	71	77	---	66	---	173	---	82	84	---
<b>Total</b>	2,051	1,939	2,103	2,320	2,216	2,479	2,966	6,464	3,412	2,701	2,621	2,492
<b>Mean</b>	66.2	64.6	67.8	74.8	79.1	80.0	98.9	209	114	87.1	84.5	83.1
<b>Max</b>	94	69	72	83	82	90	170	265	164	98	94	95
<b>Min</b>	61	63	63	69	77	64	56	153	97	82	78	74
<b>Ac-ft</b>	4,070	3,850	4,170	4,600	4,400	4,920	5,880	12,820	6,770	5,360	5,200	4,940

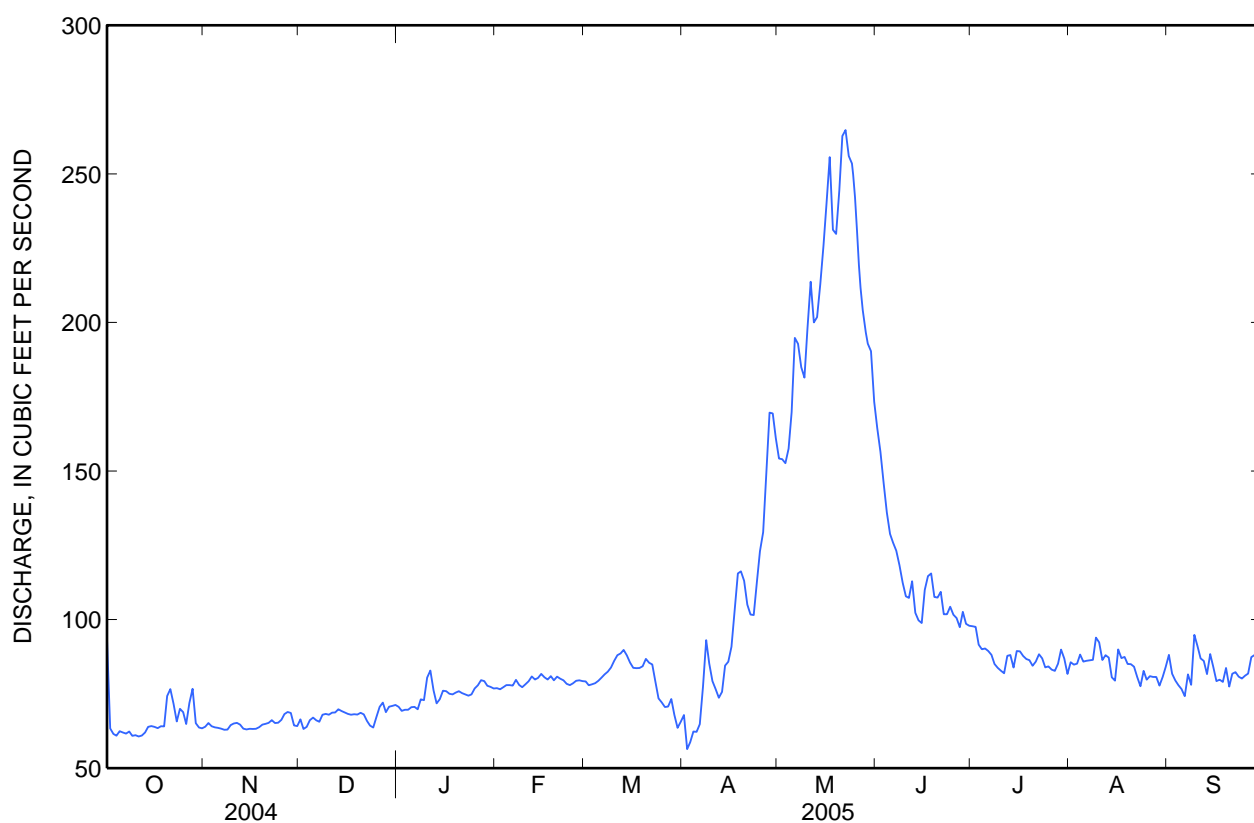
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	53.2	75.2	78.1	93.3	88.2	80.3	82.4	152	212	204	185	121
<b>Max</b>	66.2	97.2	100	152	131	96.8	98.9	209	341	348	300	182
<b>(WY)</b>	(2005)	(2002)	(2002)	(2002)	(2002)	(2002)	(2005)	(2005)	(2002)	(2003)	(2003)	(2003)
<b>Min</b>	40.5	64.6	67.8	70.2	69.6	69.3	74.5	99.0	89.5	81.6	84.5	83.1
<b>(WY)</b>	(2004)	(2005)	(2005)	(2004)	(2004)	(2004)	(2002)	(2003)	(2004)	(2004)	(2005)	(2005)

10149400 DIAMOND FORK ABOVE RED HOLLOW, NEAR THISTLE, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2002 - 2005	
<b>Annual total</b>	29,547		33,764			
<b>Annual mean</b>	80.7		92.5		119	
<b>Highest annual mean</b>					159	2002
<b>Lowest annual mean</b>					78.9	2004
<b>Highest daily mean</b>	218	May 21	265	May 22	441	Jun 18, 2002
<b>Lowest daily mean</b>	49	Mar 29	56	Apr 2	29	Oct 9, 2002
<b>Annual seven-day minimum</b>	51	Mar 27	61	Oct 6	30	Oct 8, 2002
<b>Annual runoff (ac-ft)</b>	58,610		66,970		86,090	
<b>10 percent exceeds</b>	96		151		257	
<b>50 percent exceeds</b>	72		80		83	
<b>90 percent exceeds</b>	63		64		64	



## 10150500 SPANISH FORK AT CASTILLA, UT

Jordan River Basin

LOCATION.--Lat 40°02'59", long 111°32'50" referenced to North American Datum of 1927, in SE ¼ NE ¼ NW ¼ 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<sup>2</sup>.

### WATER-DISCHARGE RECORDS

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

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.

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, except for estimated days, which are fair. 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<sup>3</sup>/s, May 15, 1984, gage height, 11.53 ft; minimum, 5.8 ft<sup>3</sup>/s, Dec 15, 1964.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,520 ft<sup>3</sup>/s, May 22, gage height, 7.00 ft; minimum daily discharge, 102 ft<sup>3</sup>/s, Oct 17.



## 10150500 SPANISH FORK AT CASTILLA, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	152	174	242	268	279	281	237	371	548	512	429	353
2	124	257	236	260	275	274	157	344	552	506	436	416
3	e109	257	238	e265	274	275	160	388	521	487	418	332
4	e103	258	246	e267	276	273	177	408	527	483	422	307
5	e103	257	257	e272	275	276	177	462	491	495	434	303
6	e103	257	257	e272	273	278	171	583	443	482	436	281
7	e103	255	260	e272	280	273	183	584	445	476	435	290
8	e103	254	264	e272	277	275	222	557	431	487	433	270
9	e103	258	269	e290	268	275	229	557	397	490	461	280
10	e103	261	267	e304	269	277	210	634	379	495	459	325
11	e103	259	265	344	274	285	196	686	353	497	477	308
12	e103	264	263	326	284	288	196	647	360	531	512	319
13	e103	263	263	284	281	306	205	633	335	548	512	304
14	103	263	261	e273	282	303	226	667	310	570	493	286
15	103	263	262	e276	293	294	227	705	285	553	490	261
16	103	262	260	e278	285	293	236	789	302	542	513	235
17	102	261	257	280	279	298	274	914	320	528	493	222
18	105	260	257	277	278	288	321	817	367	520	463	233
19	109	261	257	276	280	282	348	823	356	480	443	245
20	127	261	257	277	289	307	326	946	339	471	434	256
21	138	260	257	277	295	298	277	1,080	344	445	411	239
22	142	257	256	277	293	303	255	1,160	364	434	383	234
23	123	258	254	277	287	317	265	1,120	388	481	383	217
24	132	258	241	277	282	323	307	e1,130	416	483	370	211
25	132	260	247	276	279	322	349	e942	431	474	376	211
26	142	263	258	279	278	307	350	820	461	472	407	210
27	128	262	262	286	277	292	410	712	451	469	425	195
28	127	261	261	289	276	310	523	663	474	433	406	217
29	126	246	269	286	---	321	474	646	523	401	413	219
30	125	234	267	283	---	325	402	667	538	404	439	185
31	128	---	267	280	---	316	---	631	---	397	452	---
<b>Total</b>	3,610	7,664	7,977	8,720	7,838	9,135	8,090	22,086	12,451	15,046	13,658	7,964
<b>Mean</b>	116	255	257	281	280	295	270	712	415	485	441	265
<b>Max</b>	152	264	269	344	295	325	523	1,160	552	570	513	416
<b>Min</b>	102	174	236	260	268	273	157	344	285	397	370	185
<b>Ac-ft</b>	7,160	15,200	15,820	17,300	15,550	18,120	16,050	43,810	24,700	29,840	27,090	15,800

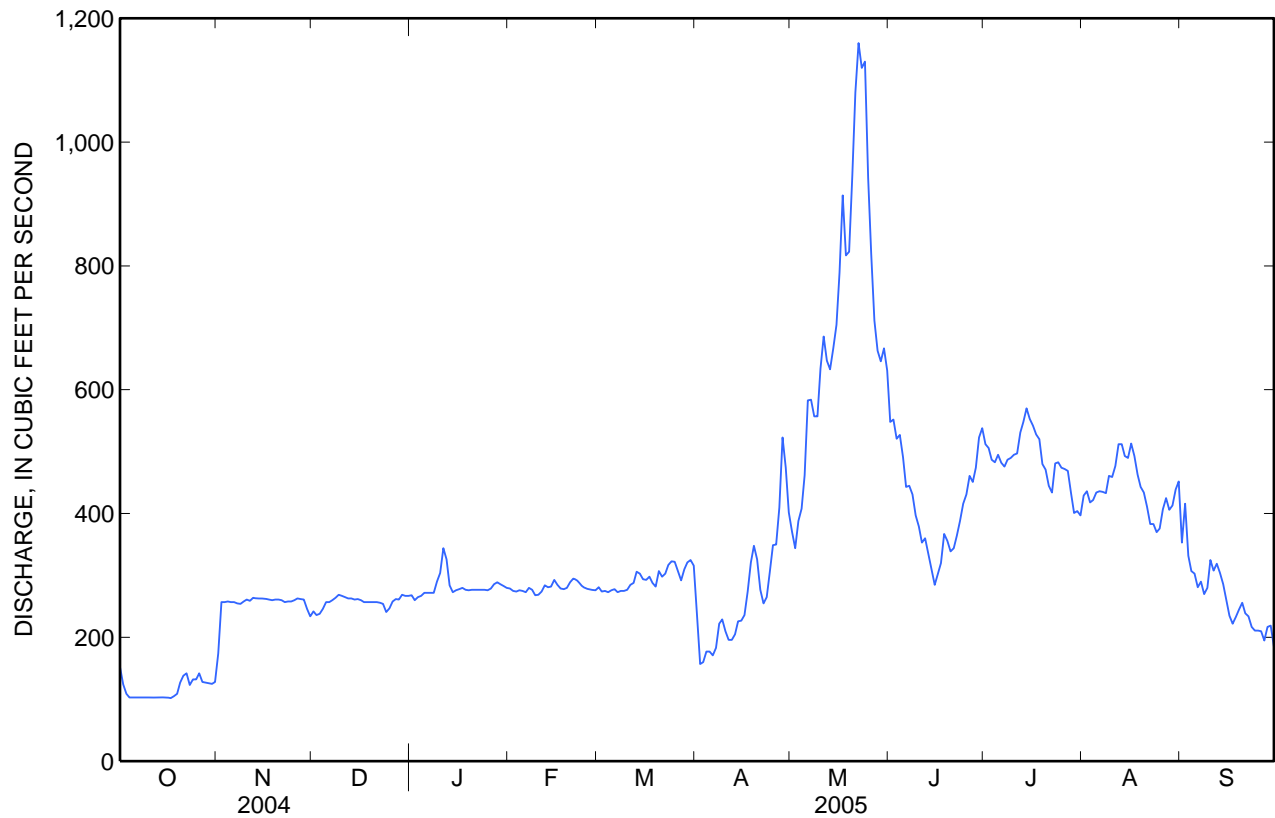
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1920-25, 1934-2005, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	109	90.9	84.3	85.9	97.9	136	264	538	463	403	335	206
<b>Max</b>	654	480	257	281	280	334	1,054	2,077	1,593	565	525	385
<b>(WY)</b>	(1984)	(1984)	(2005)	(2005)	(2005)	(1986)	(1952)	(1984)	(1983)	(1998)	(1985)	(1992)
<b>Min</b>	33.5	42.7	40.5	45.4	41.9	53.0	56.7	180	126	101	92.4	59.7
<b>(WY)</b>	(1935)	(1962)	(1961)	(1961)	(1964)	(1964)	(1961)	(1934)	(1934)	(1934)	(1934)	(1934)

10150500 SPANISH FORK AT CASTILLA, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1920-25, 1934-2005	
<b>Annual total</b>	84,913		124,239			
<b>Annual mean</b>	232		340		236	
<b>Highest annual mean</b>					569	1984
<b>Lowest annual mean</b>					86.2	1934
<b>Highest daily mean</b>	539	Apr 13	1,160	May 22	3,700	May 15, 1984
<b>Lowest daily mean</b>	102	Jan 5	102	Oct 17	20	Dec 9, 1951
<b>Annual seven-day minimum</b>	103	Oct 11	103	Oct 11	27	Oct 25, 1934
<b>Annual runoff (ac-ft)</b>	168,400		246,400		170,900	
<b>10 percent exceeds</b>	395		525		506	
<b>50 percent exceeds</b>	230		282		150	
<b>90 percent exceeds</b>	107		177		62	



**10154200 PROVO RIVER NEAR WOODLAND, UT**

Jordan River Basin

LOCATION.--Lat 40°33'28", long 111°10'05" referenced to North American Datum of 1927, in NE ¼ NW ¼ SE ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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<sup>3</sup>/s, Jun 7, 1986, from rating curve extended above 2,000 ft<sup>3</sup>/s on the basis of slope-area measurement of peak flow, gage height, 7.40 ft, datum then in use; minimum, 16 ft<sup>3</sup>/s, Nov 6, 1993.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,070 ft<sup>3</sup>/s, May 23, gage height, 6.24 ft; minimum discharge, 28 ft<sup>3</sup>/s, Nov 20.

## 10154200 PROVO RIVER NEAR WOODLAND, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	41	61	e45	80	62	76	85	286	1,750	470	103	63
2	40	59	e47	84	55	69	94	277	1,630	429	100	61
3	38	72	e49	88	57	74	102	278	1,420	404	98	61
4	37	69	e51	85	60	73	108	292	1,230	365	94	61
5	38	65	e52	83	58	73	101	348	1,250	312	101	59
6	40	66	e54	80	56	74	109	517	1,430	331	106	58
7	39	67	56	65	61	77	143	516	1,310	418	102	60
8	38	72	57	67	55	79	179	472	1,070	377	101	62
9	38	84	57	68	48	82	157	502	950	337	104	81
10	36	83	59	68	60	89	146	574	796	314	104	97
11	37	80	61	69	57	94	144	526	633	288	100	74
12	37	80	62	68	60	100	161	428	669	266	96	69
13	37	76	61	67	59	104	193	340	618	245	101	68
14	36	69	59	71	59	97	204	362	671	224	89	66
15	35	68	58	77	60	92	204	421	899	206	87	64
16	34	69	57	77	54	96	233	526	1,400	190	91	62
17	34	69	57	66	51	91	296	608	1,470	177	92	61
18	41	61	60	64	62	90	343	518	1,680	165	91	59
19	45	63	63	63	62	90	323	643	1,280	152	95	58
20	65	47	65	64	61	92	287	977	1,280	146	91	58
21	111	58	69	64	61	90	246	e1,310	1,240	139	88	61
22	88	65	74	66	62	85	227	e1,510	1,090	134	93	64
23	74	63	72	71	64	90	240	e1,560	931	135	93	61
24	79	54	70	79	65	91	307	1,680	861	128	90	58
25	81	57	72	80	68	87	313	1,720	793	125	78	58
26	78	52	76	67	71	85	318	1,690	788	120	72	57
27	79	44	77	62	68	86	e347	1,700	692	111	71	59
28	97	42	75	62	71	95	382	1,720	634	104	70	68
29	82	41	76	62	---	91	357	1,700	581	98	66	77
30	77	43	79	62	---	90	311	1,650	513	100	65	80
31	76	---	81	58	---	84	---	1,560	---	111	64	---
<b>Total</b>	1,708	1,899	1,951	2,187	1,687	2,686	6,660	27,211	31,559	7,121	2,796	1,945
<b>Mean</b>	55.1	63.3	62.9	70.5	60.2	86.6	222	878	1,052	230	90.2	64.8
<b>Max</b>	111	84	81	88	71	104	382	1,720	1,750	470	106	97
<b>Min</b>	34	41	45	58	48	69	85	277	513	98	64	57
<b>Ac-ft</b>	3,390	3,770	3,870	4,340	3,350	5,330	13,210	53,970	62,600	14,120	5,550	3,860

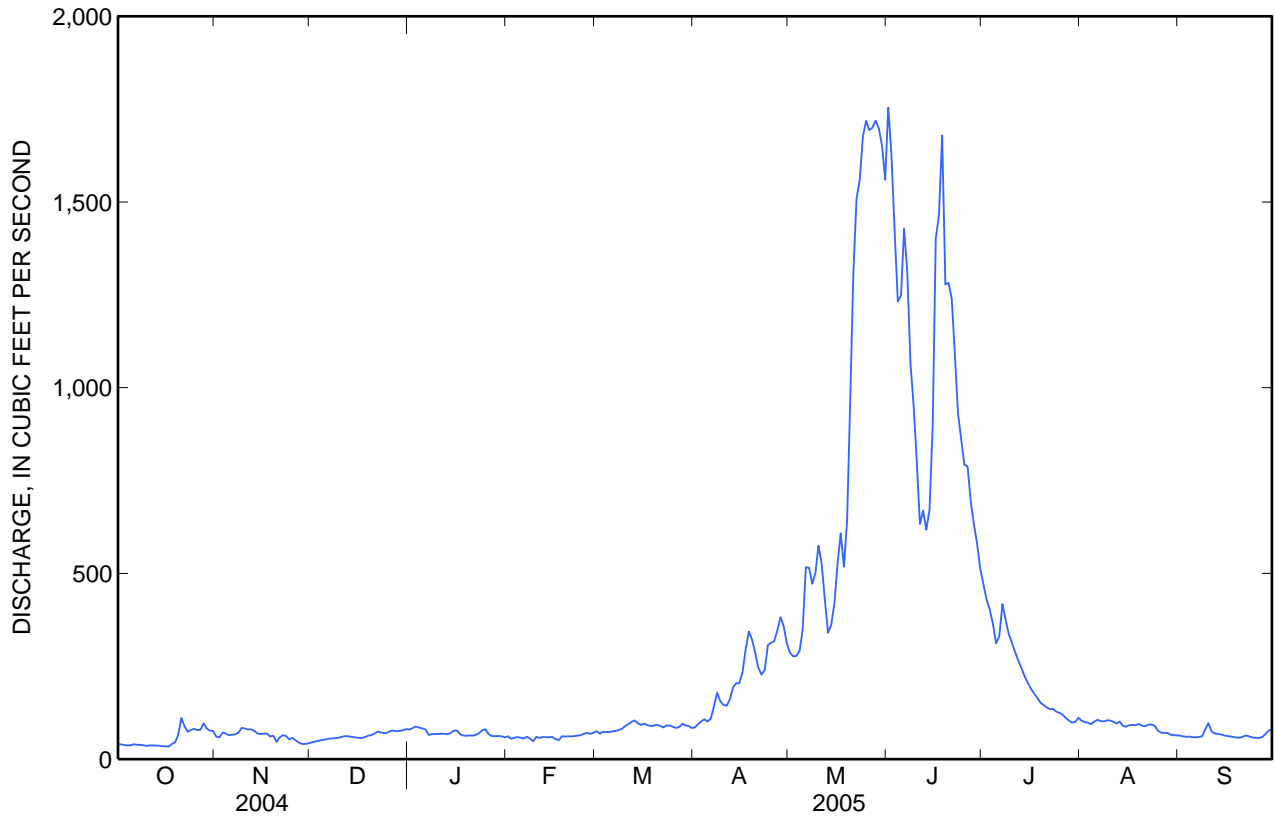
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	72.0	66.1	61.1	59.5	58.2	75.5	197	799	768	238	112	78.7
<b>Max</b>	155	97.9	97.3	86.9	95.7	198	370	1,348	1,653	730	255	166
<b>(WY)</b>	(1983)	(1983)	(1984)	(1984)	(1986)	(1986)	(1985)	(1997)	(1995)	(1995)	(1965)	(1982)
<b>Min</b>	36.0	42.3	38.4	36.6	40.1	41.5	69.4	128	113	46.6	26.6	29.0
<b>(WY)</b>	(2002)	(1993)	(1977)	(1977)	(1977)	(1977)	(1975)	(1977)	(1992)	(1992)	(1992)	(1992)

10154200 PROVO RIVER NEAR WOODLAND, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1964 - 2005	
Annual total	54,226		89,410			
Annual mean	148		245		216	
Highest annual mean					351	1986
Lowest annual mean					71.3	1977
Highest daily mean	1,160	May 10	1,750	Jun 1	2,530	May 28, 1979
Lowest daily mean	33	Sep 2	34	Oct 16	24	Aug 26, 1992
Annual seven-day minimum	34	Sep 9	36	Oct 11	25	Aug 24, 1992
Annual runoff (ac-ft)	107,600		177,300		156,500	
10 percent exceeds	404		670		615	
50 percent exceeds	69		81		78	
90 percent exceeds	39		55		46	



**10155000 PROVO RIVER NEAR HAILSTONE, UT**

Jordan River Basin

LOCATION.--Lat 40°36'03", long 111°19'51" referenced to North American Datum of 1927, in SW ¼ NE ¼ SW ¼ 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.--230 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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

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

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<sup>3</sup>/s, Jun 7, 1986, from rating curve extended above 2,500 ft<sup>3</sup>/s; gage height, 9.91 ft, from floodmarks at site and datum then in use; minimum, 11 ft<sup>3</sup>/s, Aug 20, 1960.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,700 ft<sup>3</sup>/s, Jun 2, gage height, 9.44 ft; minimum daily discharge, 41 ft<sup>3</sup>/s, Oct 5.

## 10155000 PROVO RIVER NEAR HAILSTONE, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	46	81	e69	e99	e76	113	167	712	2,620	829	63	55
2	44	73	e68	e104	e68	103	188	655	2,580	765	61	53
3	42	88	e70	e109	e71	111	211	628	2,380	737	58	53
4	42	92	e69	e105	e74	111	231	648	2,120	692	55	54
5	41	85	e70	e102	e71	113	211	722	2,080	639	55	53
6	43	83	e70	e99	e69	114	225	1,030	2,330	618	61	53
7	42	83	e69	e81	e75	121	290	1,040	2,340	725	59	54
8	42	85	e70	e83	e78	128	399	954	1,960	670	58	55
9	42	106	e70	e84	e72	132	339	977	1,710	602	59	61
10	42	116	e73	e83	e80	144	297	1,220	1,410	548	61	81
11	45	111	e76	e85	e92	150	285	1,270	1,050	462	56	70
12	45	108	e77	e85	106	160	313	984	1,070	388	55	65
13	45	102	e75	e83	101	164	402	660	1,010	322	53	64
14	44	94	e74	e88	102	160	452	680	1,040	281	50	64
15	44	88	e72	e95	104	155	421	730	1,320	250	54	62
16	44	101	e71	e95	109	163	484	875	e1,610	207	57	62
17	44	101	e71	e82	e109	156	628	1,010	e1,910	184	59	60
18	58	93	e74	e79	e108	156	762	890	2,200	161	57	60
19	70	93	e78	e78	108	163	709	1,000	1,910	132	54	60
20	94	79	e80	e79	104	181	683	1,370	1,850	119	54	58
21	141	89	e86	e79	103	172	573	1,800	1,800	110	53	61
22	118	96	e91	e81	104	162	552	2,040	1,700	102	55	66
23	94	97	e89	e87	104	183	584	2,080	1,330	97	67	62
24	107	90	e87	e97	106	185	717	2,210	1,130	92	73	60
25	121	e84	e88	e99	111	181	742	2,270	1,200	87	66	60
26	105	e78	e94	e83	110	163	745	2,270	1,200	81	60	60
27	95	e72	e95	e77	110	166	868	2,250	1,100	75	57	62
28	121	e70	e93	e77	111	197	948	2,260	1,030	67	58	68
29	102	e68	e94	e77	---	190	909	2,250	983	60	74	69
30	94	e70	e97	e76	---	181	784	2,240	888	55	56	73
31	94	---	e100	e72	---	166	---	2,230	---	62	55	---
<b>Total</b>	2,151	2,676	2,460	2,703	2,636	4,744	15,119	41,955	48,861	10,219	1,813	1,838
<b>Mean</b>	69.4	89.2	79.4	87.2	94.1	153	504	1,353	1,629	330	58.5	61.3
<b>Max</b>	141	116	100	109	111	197	948	2,270	2,620	829	74	81
<b>Min</b>	41	68	68	72	68	103	167	628	888	55	50	53
<b>Ac-ft</b>	4,270	5,310	4,880	5,360	5,230	9,410	29,990	83,220	96,920	20,270	3,600	3,650

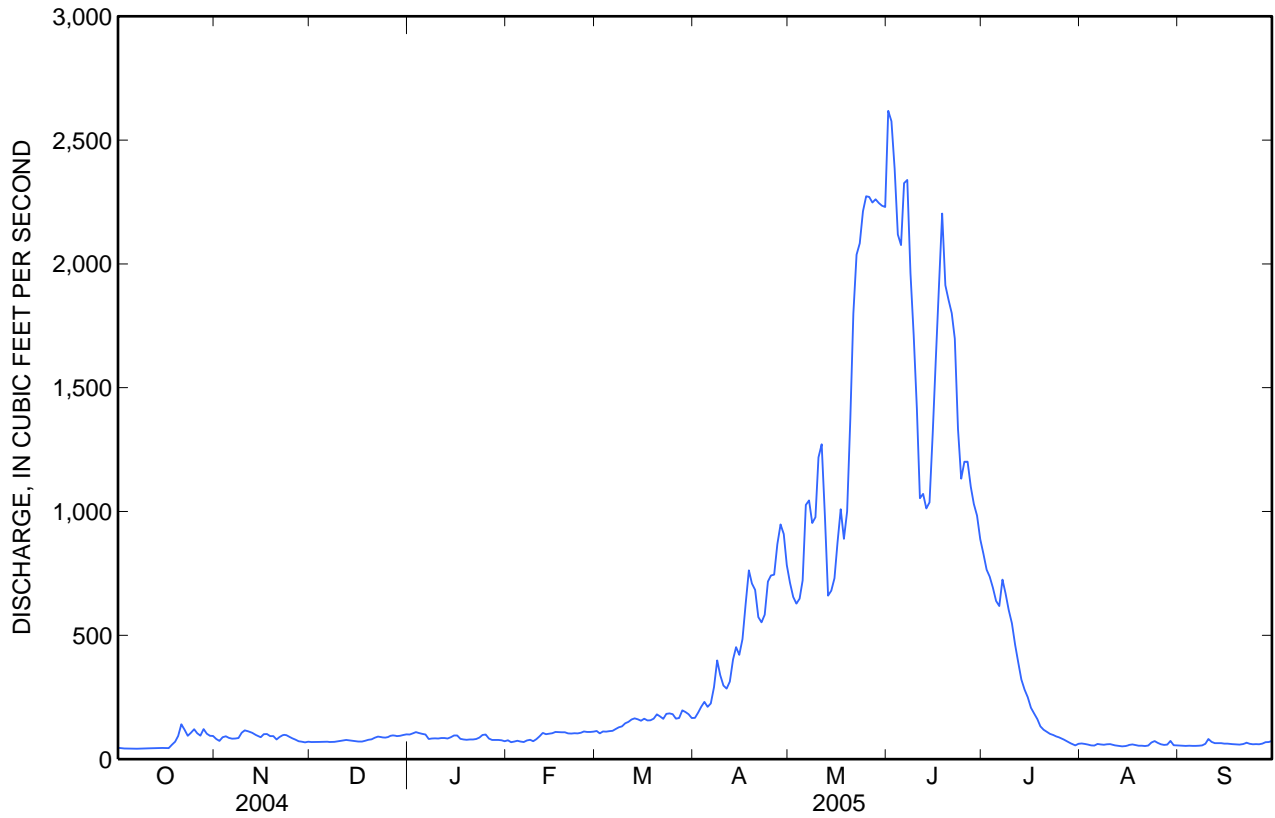
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	85.9	96.7	91.2	86.1	91.2	118	312	1,061	939	247	93.6	78.4
<b>Max</b>	191	170	156	135	228	311	824	1,935	2,026	856	263	203
<b>(WY)</b>	(1983)	(1973)	(1956)	(1971)	(1962)	(1986)	(1962)	(1993)	(1957)	(1965)	(1965)	(1983)
<b>Min</b>	41.9	59.0	55.4	54.7	55.5	65.4	113	131	102	25.3	20.9	27.2
<b>(WY)</b>	(2002)	(1977)	(1977)	(1977)	(2002)	(1977)	(1961)	(1977)	(1992)	(1961)	(1992)	(1960)

10155000 PROVO RIVER NEAR HAILSTONE, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1950 - 2005	
<b>Annual total</b>	71,569		137,175			
<b>Annual mean</b>	196		376		276	
<b>Highest annual mean</b>					445	1962
<b>Lowest annual mean</b>					80.2	1977
<b>Highest daily mean</b>	2,090	May 11	2,620	Jun 1	3,620	May 27, 2003
<b>Lowest daily mean</b>	28	Aug 1	41	Oct 5	12	Aug 21, 1960
<b>Annual seven-day minimum</b>	29	Aug 8	42	Oct 3	14	Jul 25, 1961
<b>Annual runoff (ac-ft)</b>	142,000		272,100		199,600	
<b>10 percent exceeds</b>	451		1,110		801	
<b>50 percent exceeds</b>	81		99		103	
<b>90 percent exceeds</b>	37		55		55	







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

Jordan River Basin

LOCATION.--Lat 40°33'16", long 111°25'57" referenced to North American Datum of 1927, in NW ¼ SW ¼ SW ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--September 2001 to current year. Previously operated by U.S. Bureau of Reclamation and Central Utah Water Conservancy District.

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,960 ft<sup>3</sup>/s, Jun 2, 2005 gage height, 3.22 ft; minimum daily discharge, 110 ft<sup>3</sup>/s, Aug 16, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,960 ft<sup>3</sup>/s, Jun 2, gage height, 3.22 ft; minimum discharge, 63 ft<sup>3</sup>/s, Nov 3; minimum daily discharge, 110 ft<sup>3</sup>/s, Aug 16.

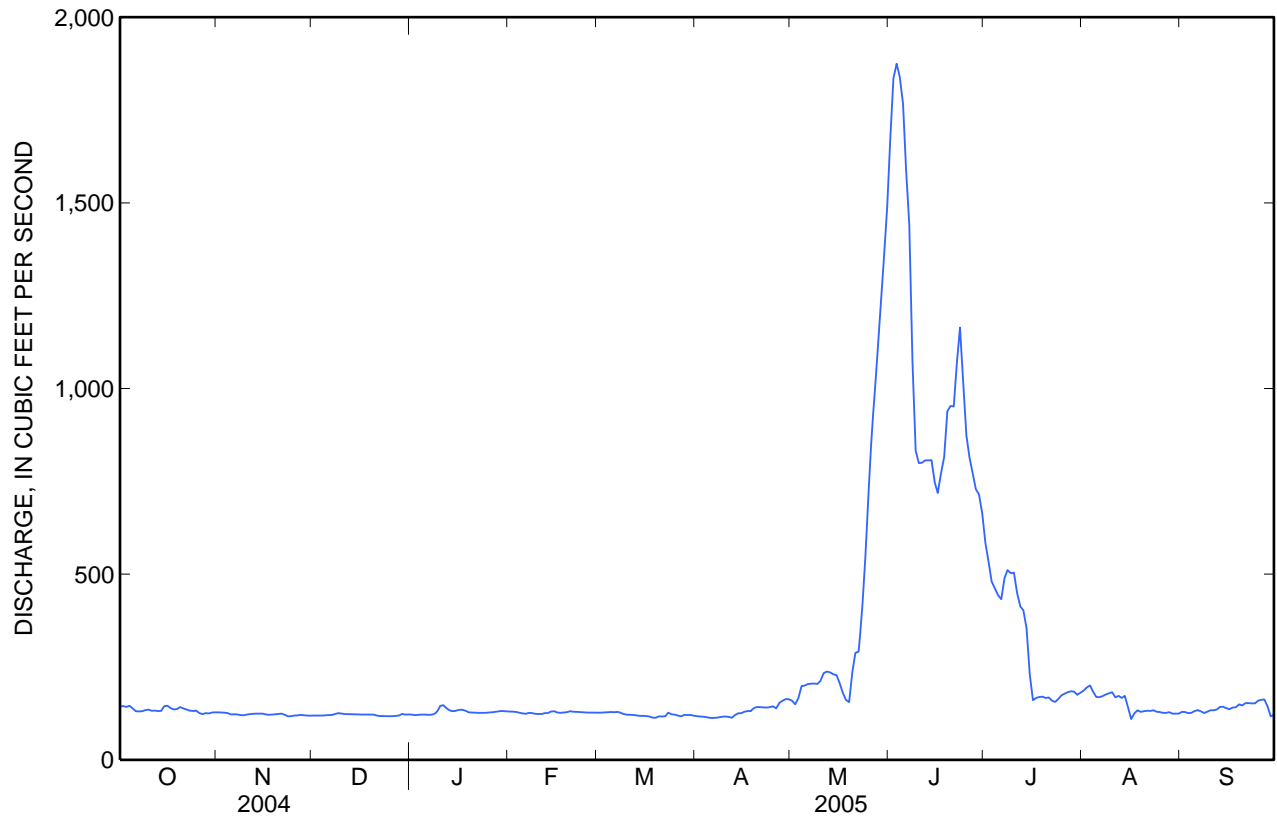
## 10155200 PROVO RIVER AT RIVER ROAD BRIDGE NEAR HEBER CITY, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	144	128	120	122	130	127	118	160	1,670	584	187	129
2	145	128	120	121	129	128	117	149	1,840	532	195	129
3	143	127	119	121	129	128	117	166	1,870	480	200	126
4	145	126	119	122	127	128	115	199	1,840	462	183	127
5	139	122	120	122	125	129	113	200	1,770	443	169	132
6	131	123	121	122	124	129	113	204	1,590	433	169	134
7	131	122	121	122	127	129	113	205	1,440	489	172	131
8	131	121	124	123	126	127	114	206	1,070	511	176	126
9	134	120	126	130	124	123	116	205	832	503	179	130
10	135	122	124	145	124	122	117	213	799	504	182	133
11	132	123	123	147	124	122	115	233	800	449	168	133
12	133	124	123	139	126	121	113	238	806	413	172	136
13	131	124	123	134	126	120	121	236	807	403	167	142
14	132	124	123	131	130	118	125	231	807	354	172	143
15	145	124	122	132	131	118	126	228	748	230	142	139
16	145	122	122	135	128	118	130	208	719	161	110	136
17	139	121	122	135	127	117	131	181	771	167	125	141
18	136	122	122	131	128	114	131	161	815	169	134	142
19	137	123	122	128	128	113	139	156	939	170	129	149
20	142	124	122	128	131	117	143	236	953	167	131	147
21	138	125	119	127	130	117	142	288	952	168	132	153
22	136	121	118	127	129	117	141	291	1,070	160	132	153
23	132	117	118	127	129	127	141	384	1,160	156	133	152
24	132	118	118	127	129	123	142	535	1,020	164	129	152
25	133	119	118	127	128	122	144	701	874	174	129	159
26	126	120	118	127	127	119	139	845	813	178	127	162
27	123	121	119	130	127	117	153	976	770	182	127	163
28	126	120	119	130	127	121	159	1,100	729	185	129	144
29	125	119	124	132	---	121	164	1,230	714	183	125	117
30	127	119	122	132	---	121	163	1,350	663	175	125	122
31	128	---	122	131	---	119	---	1,490	---	181	125	---
<b>Total</b>	4,176	3,669	3,753	4,007	3,570	3,772	3,915	13,205	31,651	9,530	4,675	4,182
<b>Mean</b>	135	122	121	129	128	122	130	426	1,055	307	151	139
<b>Max</b>	145	128	126	147	131	129	164	1,490	1,870	584	200	163
<b>Min</b>	123	117	118	121	124	113	113	149	663	156	110	117
<b>Ac-ft</b>	8,280	7,280	7,440	7,950	7,080	7,480	7,770	26,190	62,780	18,900	9,270	8,290

	Calendar Year 2004	Water Year 2005
<b>Total</b>	64,976	90,105
<b>Mean</b>	178	247
<b>Max</b>	1,510	1,870
<b>Min</b>	117	110
<b>Ac-ft</b>	128,900	178,700

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





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**10155300 PROVO RIVER NEAR MIDWAY, UT**

Jordan River Basin

LOCATION.--Lat 40°30'25", long 111°26'56" referenced to North American Datum of 1927, in NE ¼ NW ¼ NW ¼ 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 mi west of Heber City.

DRAINAGE AREA.--268 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--September 1995 to April 7, 2005 (discontinued).

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

REMARKS.--Records good. Flow 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<sup>3</sup>/s, May 28, 1999, gage height 5.98 ft; minimum daily discharge, 19 ft<sup>3</sup>/s, May 2, 1996.

EXTREMES FOR CURRENT YEAR (Oct 2004 – Apr 2005).--Maximum discharge, 199 ft<sup>3</sup>/s, Jan 11, gage height, 2.84 ft; minimum daily discharge, 113 ft<sup>3</sup>/s, Nov 8, 9.

## 10155300 PROVO RIVER NEAR MIDWAY, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	141	133	127	129	141	141	141	---	---	---	---	---
2	139	134	127	127	139	141	141	---	---	---	---	---
3	136	135	127	127	138	140	141	---	---	---	---	---
4	139	120	127	127	138	141	140	---	---	---	---	---
5	136	116	127	127	138	141	138	---	---	---	---	---
6	126	116	127	128	138	141	138	---	---	---	---	---
7	131	116	130	129	142	141	e138	---	---	---	---	---
8	133	113	134	130	138	139	---	---	---	---	---	---
9	136	113	139	148	138	136	---	---	---	---	---	---
10	138	114	136	185	138	135	---	---	---	---	---	---
11	135	116	133	193	138	135	---	---	---	---	---	---
12	131	124	132	164	140	135	---	---	---	---	---	---
13	136	124	132	149	139	135	---	---	---	---	---	---
14	140	121	132	144	146	134	---	---	---	---	---	---
15	146	122	132	142	151	132	---	---	---	---	---	---
16	145	123	134	141	144	132	---	---	---	---	---	---
17	136	128	133	141	142	132	---	---	---	---	---	---
18	138	132	133	140	142	133	---	---	---	---	---	---
19	145	132	132	139	143	132	---	---	---	---	---	---
20	159	132	132	138	151	139	---	---	---	---	---	---
21	153	130	131	138	147	138	---	---	---	---	---	---
22	143	127	128	138	145	137	---	---	---	---	---	---
23	139	127	124	138	144	149	---	---	---	---	---	---
24	149	130	124	138	144	146	---	---	---	---	---	---
25	155	132	124	138	139	143	---	---	---	---	---	---
26	142	134	124	138	138	139	---	---	---	---	---	---
27	137	136	124	140	138	138	---	---	---	---	---	---
28	139	135	124	141	138	146	---	---	---	---	---	---
29	124	129	132	142	---	147	---	---	---	---	---	---
30	128	127	130	142	---	146	---	---	---	---	---	---
31	131	---	129	141	---	143	---	---	---	---	---	---
<b>Total</b>	4,306	3,771	4,020	4,382	3,957	4,307	---	---	---	---	---	---
<b>Mean</b>	139	126	130	141	141	139	---	---	---	---	---	---
<b>Max</b>	159	136	139	193	151	149	---	---	---	---	---	---
<b>Min</b>	124	113	124	127	138	132	---	---	---	---	---	---
<b>Ac-ft</b>	8,540	7,480	7,970	8,690	7,850	8,540	---	---	---	---	---	---



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**10155400 SPRING CREEK NEAR HEBER CITY, UT**

Jordan River Basin

LOCATION.--Lat 40°30'31", long 111°26'19" referenced to North American Datum of 1927, in SE ¼ SW ¼ SE ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

PERIOD OF RECORD.--May 1993 to April 2005 (discontinued).

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<sup>3</sup>/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<sup>3</sup>/s, Sep 21, 2000.

EXTREMES FOR CURRENT YEAR (Oct 2004 Apr 2005).--Maximum daily discharge, 92 ft<sup>3</sup>/s, Oct 20; minimum daily discharge, 7.4 ft<sup>3</sup>/s, Mar 8.

## 10155400 SPRING CREEK NEAR HEBER CITY, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	30	e13	14	14	10	13	---	---	---	---	---
2	18	28	e12	14	12	9.5	12	---	---	---	---	---
3	17	27	e12	14	12	9.1	10	---	---	---	---	---
4	18	26	e13	14	12	8.7	9.5	---	---	---	---	---
5	18	25	e13	14	13	8.2	9.3	---	---	---	---	---
6	18	25	e15	13	12	7.9	9.0	---	---	---	---	---
7	18	25	e17	13	12	7.5	8.9	---	---	---	---	---
8	20	25	e17	13	11	7.4	9.1	---	---	---	---	---
9	19	34	e16	17	15	7.9	9.8	---	---	---	---	---
10	19	37	e16	33	12	9.2	8.8	---	---	---	---	---
11	18	31	e16	41	11	9.5	8.8	---	---	---	---	---
12	17	33	e15	45	12	9.5	---	---	---	---	---	---
13	16	29	e14	e21	13	9.4	---	---	---	---	---	---
14	21	28	e15	e18	30	9.0	---	---	---	---	---	---
15	20	29	e15	e13	26	8.9	---	---	---	---	---	---
16	18	28	e16	e12	17	8.7	---	---	---	---	---	---
17	17	31	e14	e13	e11	8.5	---	---	---	---	---	---
18	27	30	e13	e15	e13	8.2	---	---	---	---	---	---
19	48	30	e12	e16	17	8.2	---	---	---	---	---	---
20	92	e26	e11	17	29	11	---	---	---	---	---	---
21	85	e21	e10	16	22	13	---	---	---	---	---	---
22	56	e23	e12	15	17	12	---	---	---	---	---	---
23	40	e19	e13	14	15	23	---	---	---	---	---	---
24	60	e18	e13	14	13	17	---	---	---	---	---	---
25	79	e20	e14	14	12	15	---	---	---	---	---	---
26	46	e19	e14	13	12	13	---	---	---	---	---	---
27	34	e16	e14	16	11	12	---	---	---	---	---	---
28	52	e16	e14	18	10	17	---	---	---	---	---	---
29	37	e14	14	19	---	22	---	---	---	---	---	---
30	33	e14	16	21	---	17	---	---	---	---	---	---
31	33	---	15	16	---	16	---	---	---	---	---	---
<b>Total</b>	1,032	757	434	546	416	353.3	---	---	---	---	---	---
<b>Mean</b>	33.3	25.2	14.0	17.6	14.9	11.4	---	---	---	---	---	---
<b>Max</b>	92	37	17	45	30	23	---	---	---	---	---	---
<b>Min</b>	16	14	10	12	10	7.4	---	---	---	---	---	---
<b>Ac-ft</b>	2,050	1,500	861	1,080	825	701	---	---	---	---	---	---

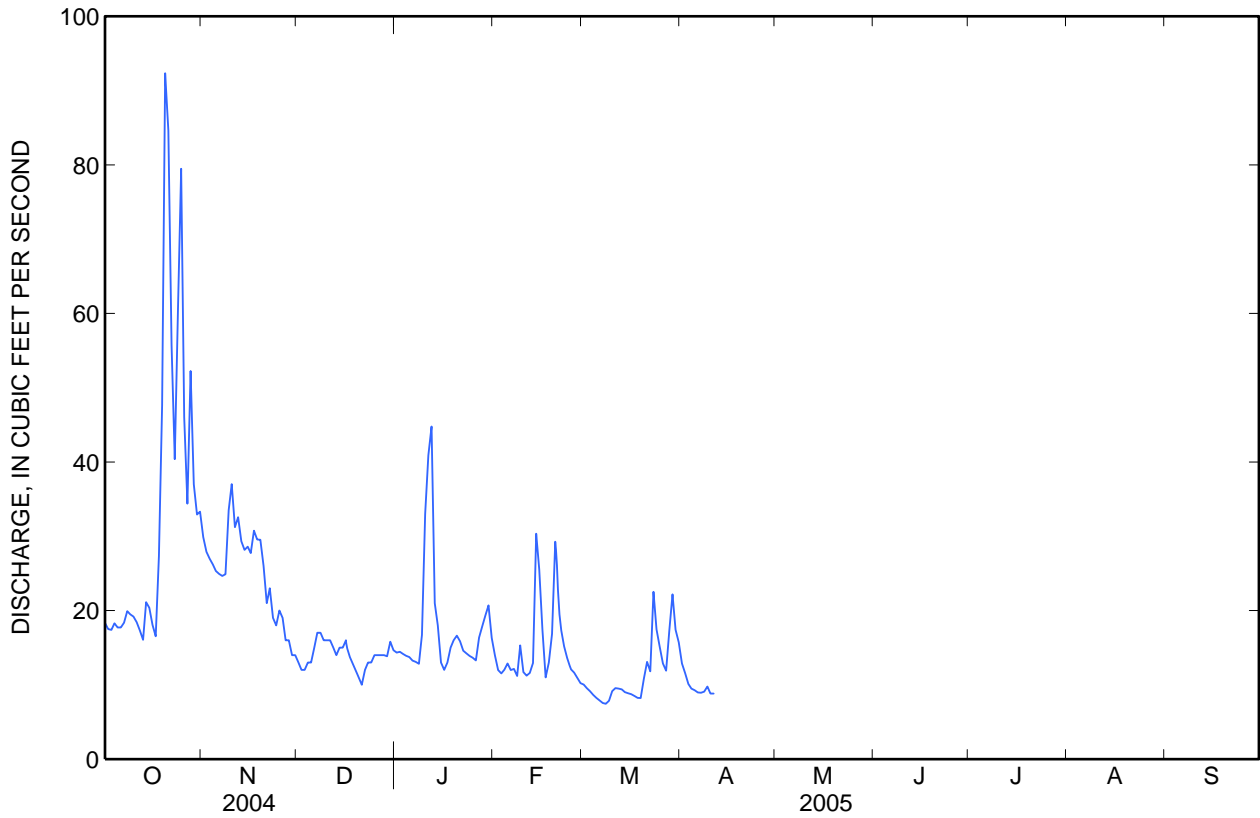
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	19.0	17.7	14.6	14.5	17.4	19.4	17.0	39.1	47.8	31.9	22.2	20.6
<b>Max</b>	33.6	25.2	19.2	17.8	26.4	33.0	23.1	60.5	90.5	47.5	30.3	34.0
<b>(WY)</b>	(1999)	(2005)	(1996)	(1999)	(2000)	(1997)	(1995)	(1995)	(1995)	(1998)	(2001)	(1998)
<b>Min</b>	9.26	9.77	8.22	7.95	10.4	11.3	8.74	28.6	29.3	8.91	12.4	6.89
<b>(WY)</b>	(2001)	(2003)	(2004)	(2004)	(2004)	(2003)	(2003)	(2003)	(2002)	(1994)	(1994)	(2000)

10155400 SPRING CREEK NEAR HEBER CITY, UT—Continued

**SUMMARY STATISTICS**

	Calendar Year 2004		Water Years 1994 - 2005	
<b>Annual total</b>	7,656.6			
<b>Annual mean</b>	20.9		23.4	
<b>Highest annual mean</b>			30.0	1995
<b>Lowest annual mean</b>			17.2	2004
<b>Highest daily mean</b>	92	Oct 20	135	Jun 24, 2003
<b>Lowest daily mean</b>	4.7	Apr 3	2.8	Sep 21, 2000
<b>Annual seven-day minimum</b>	5.2	Apr 3	4.3	Sep 16, 2000
<b>Annual runoff (ac-ft)</b>	15,190		16,920	
<b>10 percent exceeds</b>	38		42	
<b>50 percent exceeds</b>	17		19	
<b>90 percent exceeds</b>	7.7		9.5	





**10155500 PROVO RIVER NEAR CHARLESTON, UT**

Jordan River Basin

LOCATION.--Lat 40°29'03", long 111°27'46" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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, 2,300 ft<sup>3</sup>/s, Jun 3, 2005, gage height, 7.47 ft; minimum, 13 ft<sup>3</sup>/s, Oct 24, 1940 and Oct 7, 1948 at site and datum then in use.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,300 ft<sup>3</sup>/s, Jun 3, gage height, 7.47 ft; minimum daily discharge, 139 ft<sup>3</sup>/s, Nov 8 and Dec 1.

## 10155500 PROVO RIVER NEAR CHARLESTON, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	188	163	139	156	169	171	178	224	2,000	577	214	158
2	178	159	140	153	165	169	177	215	2,180	526	223	159
3	173	158	140	153	164	168	173	215	2,230	477	221	155
4	175	145	140	153	165	168	172	247	2,140	453	219	157
5	e175	142	140	149	167	168	169	e250	2,060	431	202	160
6	e174	142	140	154	166	168	172	e253	1,890	420	194	162
7	174	140	143	153	171	168	174	e258	1,650	456	197	161
8	174	139	e151	156	165	167	177	e262	1,190	480	202	156
9	175	144	168	214	162	166	171	e270	858	471	208	160
10	174	145	165	335	163	165	168	275	799	472	213	162
11	169	145	160	364	162	165	167	316	806	432	203	166
12	164	151	155	251	e168	165	166	295	834	389	211	170
13	166	146	151	192	169	164	170	284	814	377	204	171
14	172	144	150	177	e198	163	177	274	810	350	210	177
15	177	143	149	172	e200	162	171	271	766	264	190	178
16	174	142	149	169	179	161	164	e264	743	203	151	177
17	165	149	149	169	172	162	167	e258	790	204	163	179
18	e166	150	148	170	170	164	173	e252	823	203	168	178
19	e167	149	147	171	179	163	178	253	908	200	165	184
20	e167	148	147	171	206	174	194	343	914	194	160	182
21	e168	145	146	170	192	172	190	447	894	192	158	187
22	e168	141	145	168	182	171	188	470	1,000	189	158	190
23	e169	141	142	167	178	196	191	536	1,120	184	158	191
24	e169	143	142	166	175	183	199	642	984	196	158	195
25	e170	146	141	165	172	177	204	792	835	202	153	194
26	e170	147	142	162	171	170	195	907	769	203	151	193
27	170	150	145	173	170	169	216	1,030	743	207	155	192
28	191	146	145	175	170	187	233	1,190	699	214	161	185
29	161	141	e157	177	---	194	246	1,390	692	215	154	157
30	158	140	157	179	---	189	236	1,620	646	208	153	160
31	162	---	154	173	---	184	---	1,770	---	212	155	---
<b>Total</b>	5,303	4,384	4,587	5,657	4,870	5,313	5,556	16,073	33,587	9,801	5,632	5,196
<b>Mean</b>	171	146	148	182	174	171	185	518	1,120	316	182	173
<b>Max</b>	191	163	168	364	206	196	246	1,770	2,230	577	223	195
<b>Min</b>	158	139	139	149	162	161	164	215	646	184	151	155
<b>Ac-ft</b>	10,520	8,700	9,100	11,220	9,660	10,540	11,020	31,880	66,620	19,440	11,170	10,310

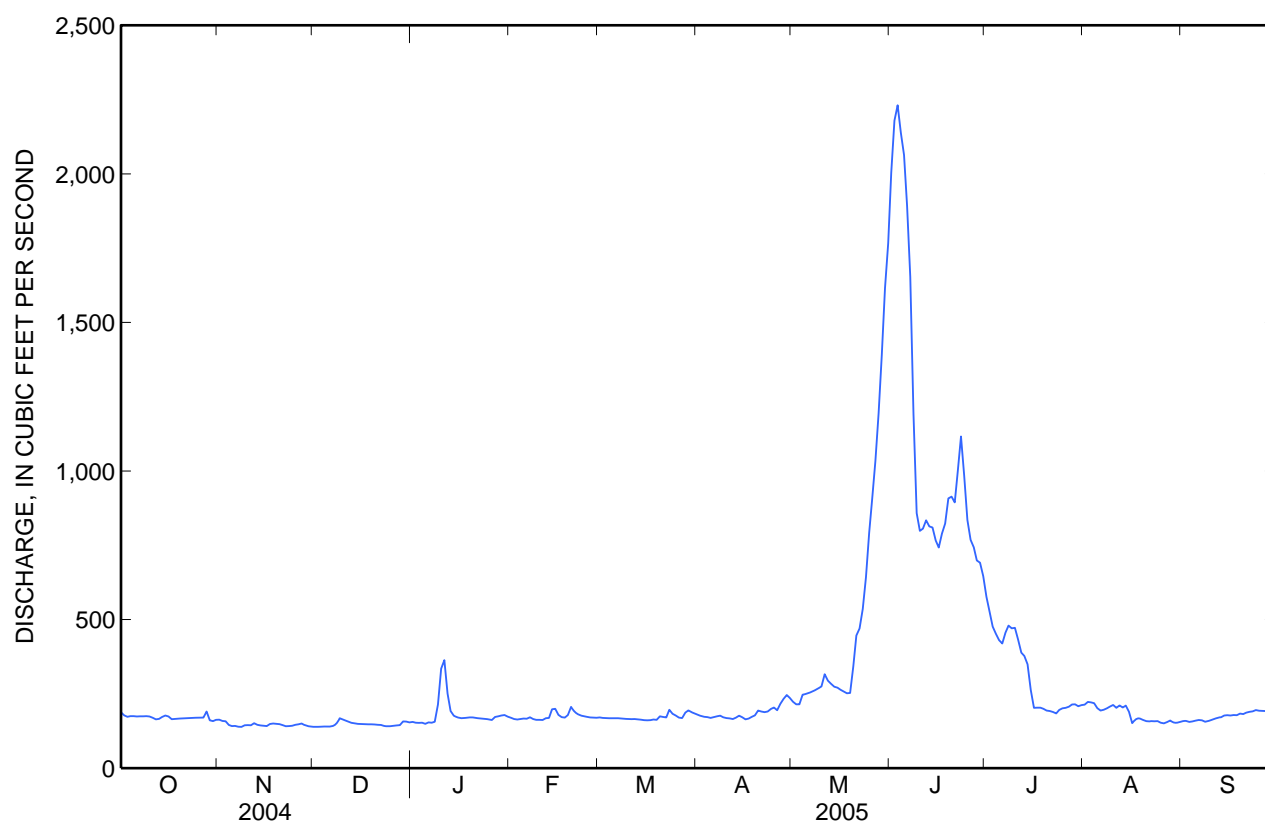
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	154	150	148	160	171	178	171	538	601	264	160	165
<b>Max</b>	291	216	219	400	513	386	292	1,243	1,255	519	280	294
<b>(WY)</b>	(1999)	(1999)	(1997)	(1997)	(1997)	(1997)	(1998)	(1993)	(1993)	(1995)	(1998)	(1998)
<b>Min</b>	49.1	65.2	66.0	71.8	81.9	86.7	57.6	158	41.0	23.5	18.5	16.8
<b>(WY)</b>	(1993)	(1995)	(1995)	(1994)	(1994)	(1994)	(1995)	(2003)	(1992)	(1992)	(1992)	(1992)

10155500 PROVO RIVER NEAR CHARLESTON, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1992 - 2005	
Annual total	74,048		105,959			
Annual mean	202		290		238	
Highest annual mean					355	1997
Lowest annual mean					117	1992
Highest daily mean	1,630	May 24	2,230	Jun 3	2,230	Jun 3, 2005
Lowest daily mean	129	Apr 13	139	Nov 8	14	Sep 11, 1992
Annual seven-day minimum	135	Feb 10	140	Nov 30	15	Sep 6, 1992
Annual runoff (ac-ft)	146,900		210,200		172,700	
10 percent exceeds	199		664		478	
50 percent exceeds	165		172		173	
90 percent exceeds	140		147		70	



**10156000 SNAKE CREEK NEAR CHARLESTON, UT**

Jordan River Basin

LOCATION.--Lat 40°29'07", long 111°27'59" referenced to North American Datum of 1927, in NE ¼ NW ¼ SW ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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<sup>3</sup>/s, Jun 14, 1995, gage height, 2.46 ft, maximum gage height, 3.63 ft, Mar 23, 1996; minimum, 16 ft<sup>3</sup>/s, Aug 25, 28, 29, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 132 ft<sup>3</sup>/s, Jan 10, gage height, 3.64 ft; minimum daily discharge, 33 ft<sup>3</sup>/s, Oct 2.

## 10156000 SNAKE CREEK NEAR CHARLESTON, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	35	54	37	42	45	38	42	36	67	62	48	44
2	33	52	37	40	43	38	42	35	65	66	47	44
3	36	51	38	39	43	38	41	36	61	71	49	47
4	36	54	40	40	48	38	41	36	57	63	51	47
5	37	63	39	39	44	38	41	38	56	70	50	44
6	37	64	38	39	42	38	40	48	69	67	53	46
7	36	66	38	38	43	39	41	45	95	63	51	49
8	35	68	38	38	43	40	43	45	93	68	55	51
9	35	74	43	50	40	40	47	59	94	64	52	54
10	35	72	43	79	39	40	47	49	90	64	48	56
11	35	59	40	63	40	41	47	53	78	64	53	51
12	39	59	40	54	41	40	48	48	94	59	52	53
13	41	54	40	46	40	40	49	45	97	58	46	50
14	40	53	38	45	42	40	46	45	93	58	44	50
15	36	52	37	49	45	40	35	46	90	52	43	48
16	39	50	37	48	42	39	37	48	91	47	42	42
17	41	48	37	48	41	39	44	47	88	45	44	40
18	49	43	36	47	40	40	43	47	92	43	42	40
19	53	42	36	48	42	40	42	54	96	42	42	38
20	66	41	36	48	47	42	44	69	98	46	40	39
21	78	41	37	49	45	40	41	60	99	46	40	41
22	60	44	37	47	43	41	37	61	e101	47	45	42
23	57	44	39	46	e42	45	36	59	e100	53	47	46
24	60	43	38	46	e41	42	35	57	e100	50	41	44
25	61	41	38	46	e40	41	37	79	e98	60	42	45
26	58	39	39	45	e40	40	37	55	e94	63	46	50
27	58	37	39	46	e39	40	39	49	e92	62	42	50
28	60	36	38	46	e38	42	44	52	e87	58	40	49
29	63	35	42	46	---	44	47	66	e82	54	38	44
30	59	35	42	44	---	44	38	67	68	47	39	45
31	57	---	41	42	---	44	---	59	---	47	40	---
<b>Total</b>	1,465	1,514	1,198	1,443	1,178	1,251	1,251	1,593	2,585	1,759	1,412	1,389
<b>Mean</b>	47.3	50.5	38.6	46.5	42.1	40.4	41.7	51.4	86.2	56.7	45.5	46.3
<b>Max</b>	78	74	43	79	48	45	49	79	101	71	55	56
<b>Min</b>	33	35	36	38	38	38	35	35	56	42	38	38
<b>Ac-ft</b>	2,910	3,000	2,380	2,860	2,340	2,480	2,480	3,160	5,130	3,490	2,800	2,760

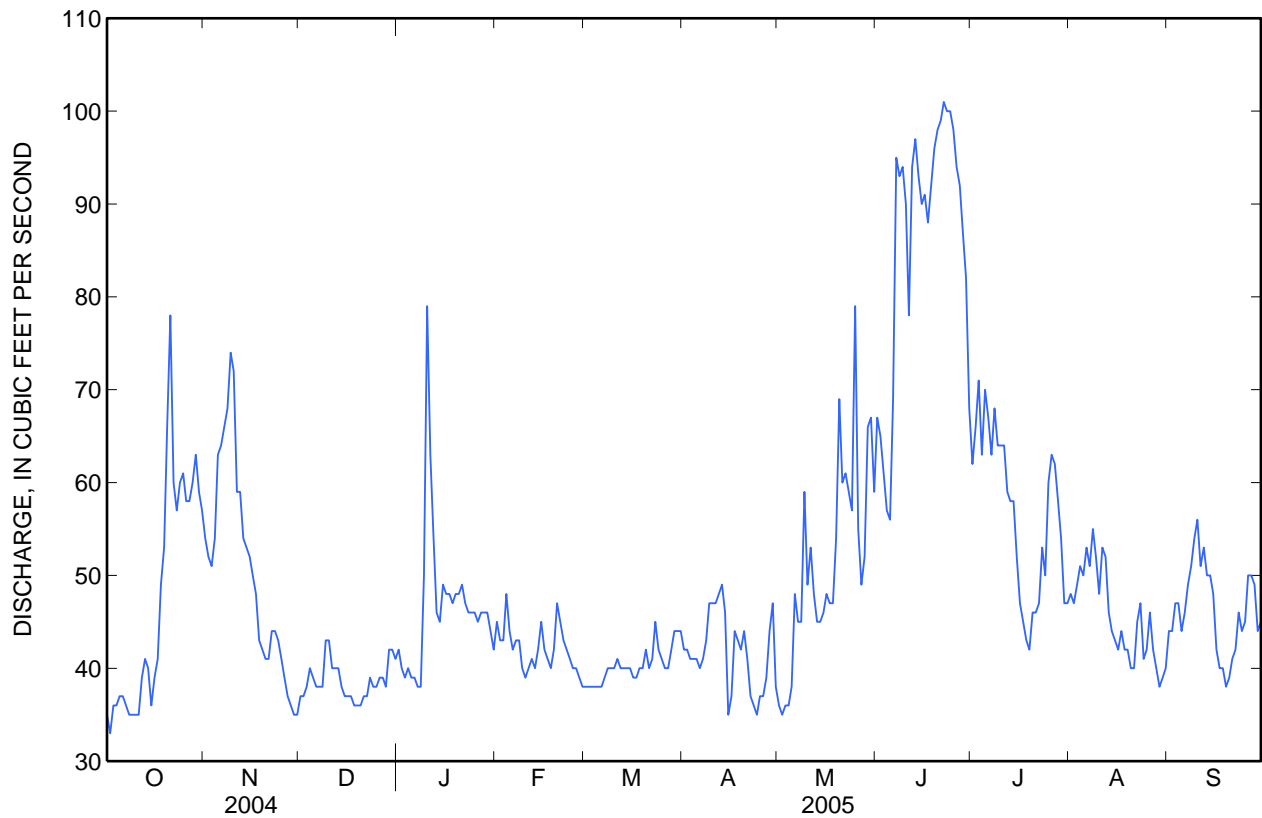
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	46.4	47.6	43.4	42.2	41.5	44.4	44.2	51.3	56.5	43.4	39.3	40.7
<b>Max</b>	65.0	62.9	55.7	51.7	55.0	52.1	57.8	87.5	86.8	59.4	57.5	62.3
<b>(WY)</b>	(1999)	(1946)	(1999)	(1999)	(1945)	(1945)	(1945)	(1943)	(1995)	(1995)	(1998)	(1998)
<b>Min</b>	32.4	33.8	35.5	33.3	31.0	36.2	32.7	31.4	30.0	26.3	20.5	25.8
<b>(WY)</b>	(2004)	(1940)	(2003)	(2004)	(2004)	(1940)	(2002)	(2002)	(2003)	(1994)	(2002)	(2003)

10156000 SNAKE CREEK NEAR CHARLESTON, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1939 - 2005	
<b>Annual total</b>	13,529		18,038			
<b>Annual mean</b>	37.0		49.4		45.0	
<b>Highest annual mean</b>					55.2	1999
<b>Lowest annual mean</b>					34.6	2004
<b>Highest daily mean</b>	78	Oct 21	101	Jun 22	113	Jun 30, 1995
<b>Lowest daily mean</b>	26	May 6	33	Oct 2	17	Aug 25, 2002
<b>Annual seven-day minimum</b>	27	Aug 15	36	Oct 1	19	Aug 19, 2002
<b>Annual runoff (ac-ft)</b>	26,830		35,780		32,600	
<b>10 percent exceeds</b>	45		67		58	
<b>50 percent exceeds</b>	35		45		44	
<b>90 percent exceeds</b>	29		37		33	





Water-Data Report UT-2005

## 10157500 DANIELS CREEK AT CHARLESTON, UT

Jordan River Basin

LOCATION.--Lat 40°27'39", long 111°28'19" referenced to North American Datum of 1927, in SE ¼ NE ¼ NE ¼ 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 1 in old town of Charleston and 3.5 mi south of Midway.

DRAINAGE AREA.--50.1 mi<sup>2</sup>.

### WATER-DISCHARGE RECORDS

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<sup>3</sup>/s, May 23, 1995, gage height, 3.92 ft; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 158 ft<sup>3</sup>/s, Mar 24, gage height, 4.83; no flow Jun 23 – Jul 3.

## 10157500 DANIELS CREEK AT CHARLESTON, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.05	0.08	e1.1	e1.0	1.5	4.4	9.7	27	36	0.00	2.3	0.42
2	0.06	0.09	e1.1	e2.0	1.5	4.4	5.9	23	32	0.00	2.3	0.33
3	0.07	0.10	e1.1	e2.1	1.5	4.2	4.9	22	28	0.00	2.2	0.29
4	0.08	0.10	e1.1	e2.1	1.5	3.7	4.7	24	24	e0.1	2.3	0.25
5	0.08	0.11	e0.90	e2.1	1.5	3.5	4.9	32	22	e0.2	2.2	0.22
6	0.09	0.08	e1.0	e2.3	1.5	3.6	4.4	71	22	1.2	1.8	0.22
7	0.11	0.08	e1.0	e2.3	1.6	4.0	3.8	70	23	1.4	1.5	0.20
8	0.11	0.07	e1.0	e2.3	1.6	4.4	3.5	54	23	1.7	1.4	0.17
9	0.09	0.07	e1.0	e2.3	3.5	4.3	3.8	54	22	1.9	1.4	0.15
10	0.12	0.14	e1.0	e2.3	2.9	3.7	3.8	69	20	2.0	1.4	0.09
11	0.11	0.11	e1.0	e2.3	2.7	4.3	3.6	62	18	2.2	1.3	0.09
12	0.43	0.44	e1.1	e2.5	2.5	4.4	3.3	39	18	2.4	1.3	0.93
13	0.17	0.18	e1.2	e2.5	2.0	4.9	3.0	31	16	2.5	1.2	1.1
14	0.08	0.17	e1.4	e2.4	2.3	5.5	2.7	30	14	2.6	1.2	1.1
15	0.09	0.17	e1.4	e2.4	3.2	5.7	3.1	38	12	2.4	1.1	1.2
16	0.09	0.15	e1.6	e2.3	2.7	5.4	5.3	74	11	2.0	1.1	1.2
17	0.13	0.17	e1.6	e2.2	2.6	5.0	2.1	96	10	1.8	0.99	1.2
18	0.16	0.14	e1.7	e2.1	2.5	5.7	7.7	74	7.8	2.1	1.0	1.0
19	0.14	0.17	e1.6	e2.0	2.6	5.3	29	77	4.0	2.5	1.0	1.0
20	0.17	0.18	e0.6	1.9	3.4	6.8	24	100	1.8	2.7	1.0	1.0
21	0.20	0.73	e0.3	1.8	3.6	7.0	20	110	0.68	2.7	0.89	1.0
22	0.26	0.86	e0.1	1.8	3.6	6.6	16	84	e0.1	2.6	0.82	1.1
23	0.17	0.96	e0.1	1.8	4.1	9.5	13	110	0.00	2.8	0.82	1.0
24	0.18	0.98	e0.1	1.8	4.4	8.5	17	94	0.00	2.7	0.79	1.0
25	0.18	0.98	e0.1	1.7	4.6	8.0	24	73	0.00	2.8	0.76	0.99
26	0.10	1.0	e0.1	1.7	4.8	7.8	24	63	0.00	2.8	0.73	0.95
27	0.10	1.1	e0.1	1.7	4.8	7.6	38	56	0.00	2.6	0.68	0.97
28	0.11	1.1	e0.1	1.7	4.7	9.1	54	52	0.00	2.5	0.64	1.0
29	0.12	e1.1	e0.1	1.7	---	12	45	50	0.00	2.4	0.56	1.1
30	0.11	e1.1	e0.1	1.7	---	12	33	47	0.00	2.3	0.48	1.1
31	0.12	---	e0.1	1.6	---	11	---	40	---	2.3	0.43	---
<b>Total</b>	4.08	12.71	24.80	62.4	79.7	192.3	417.2	1,846	365.38	60.20	37.59	22.37
<b>Mean</b>	0.13	0.42	0.80	2.01	2.85	6.20	13.9	59.5	12.2	1.94	1.21	0.75
<b>Max</b>	0.43	1.1	1.7	2.5	4.8	12	54	110	36	2.8	2.3	1.2
<b>Min</b>	0.05	0.07	0.10	1.0	1.5	3.5	2.1	22	0.00	0.00	0.43	0.09
<b>Ac-ft</b>	8.1	25	49	124	158	381	828	3,660	725	119	75	44

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2005, BY WATER YEAR (WY)

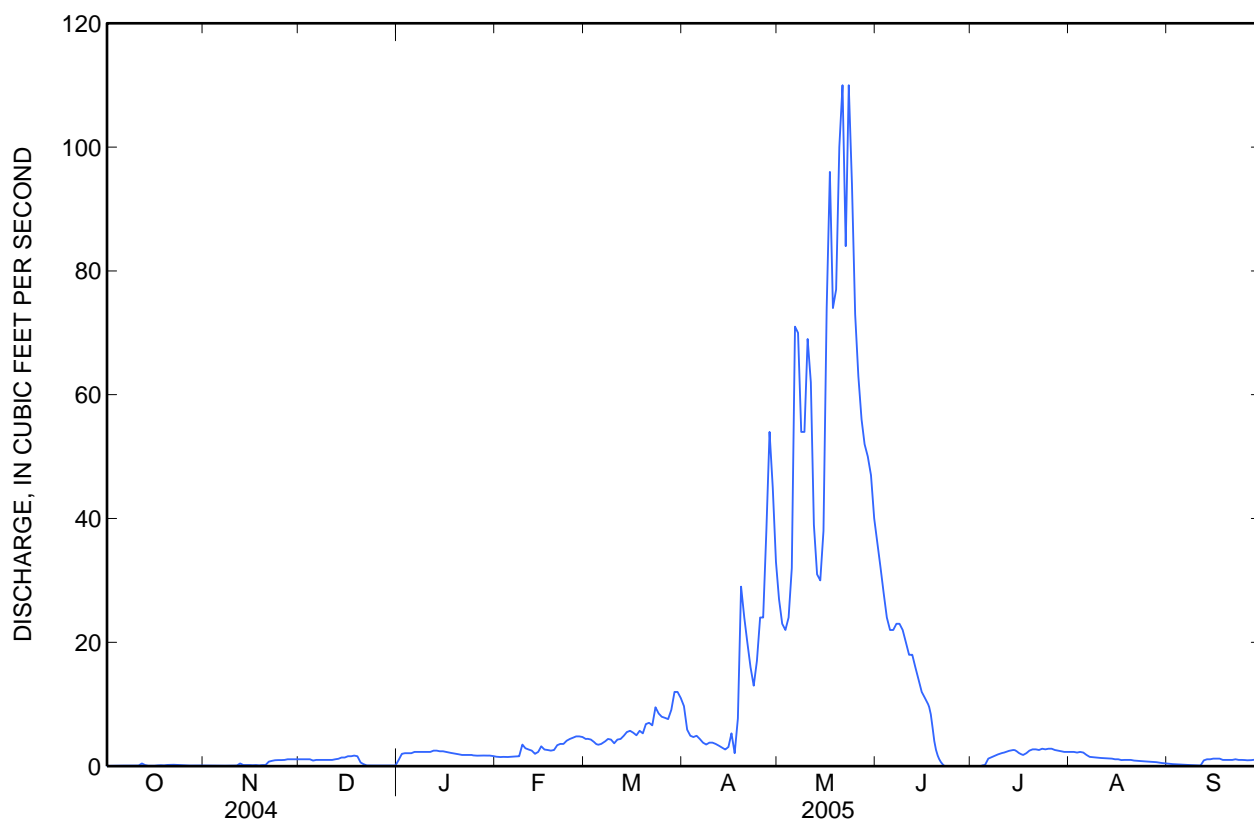
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	4.74	3.12	2.53	2.51	2.76	2.77	10.6	41.1	23.3	5.21	6.22	5.32
<b>Max</b>	9.38	10.3	8.65	5.00	5.07	6.20	32.1	99.9	110	16.0	21.1	13.6
<b>(WY)</b>	(2001)	(2000)	(2000)	(1994)	(1994)	(2005)	(1997)	(1997)	(1995)	(1995)	(1999)	(1999)
<b>Min</b>	0.13	0.33	0.48	0.96	0.77	0.76	0.82	0.96	0.27	0.09	0.09	0.09
<b>(WY)</b>	(2005)	(2004)	(2004)	(2001)	(2001)	(1999)	(2001)	(2003)	(2002)	(2004)	(2004)	(2004)



10157500 DANIELS CREEK AT CHARLESTON, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1994 - 2005	
<b>Annual total</b>	507.77		3,124.73			
<b>Annual mean</b>	1.39		8.56		9.22	
<b>Highest annual mean</b>					21.2	1995
<b>Lowest annual mean</b>					1.47	2004
<b>Highest daily mean</b>	16	Apr 29	110	May 21	244	Jun 6, 1995
<b>Lowest daily mean</b>	0.00	Mar 26	0.00	Jun 23	0.00	Jul 23, 1994
<b>Annual seven-day minimum</b>	0.00	Mar 26	0.00	Jun 23	0.00	Mar 26, 2004
<b>Annual runoff (ac-ft)</b>	1,010		6,200		6,680	
<b>10 percent exceeds</b>	2.9		25		21	
<b>50 percent exceeds</b>	0.34		1.8		2.7	
<b>90 percent exceeds</b>	0.05		0.10		0.30	



**10163000 PROVO RIVER AT PROVO, UT**

Jordan River Basin

LOCATION.--Lat 40°14'16", long 111°41'55" referenced to North American Datum of 1927, in NE ¼ NW ¼ SE ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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

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.

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 except for estimated daily discharges, which are fair. Flow affected by irrigation diversions above station and by storage in, and releases from, Deer Creek Reservoir.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,950 ft<sup>3</sup>/s, May 30, gage height, 7.48 ft; minimum daily discharge, 15 ft<sup>3</sup>/s, Aug 11.

## 10163000 PROVO RIVER AT PROVO, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	24	89	47	105	104	100	89	184	1,420	418	43	71
2	25	68	86	97	101	102	53	e192	1,480	427	35	71
3	24	69	90	96	98	83	55	e250	1,570	414	24	81
4	24	62	92	95	98	87	68	e321	1,550	376	22	91
5	29	39	93	95	94	97	75	e367	1,500	316	20	104
6	26	37	60	99	99	116	82	e448	1,300	283	21	102
7	28	37	77	93	107	107	100	e474	1,160	252	19	100
8	26	71	99	94	97	109	153	e475	1,200	232	19	106
9	31	100	130	117	95	105	207	e500	1,180	204	16	108
10	30	73	103	254	93	88	179	e531	1,140	173	17	116
11	32	78	82	175	96	72	129	e821	1,120	151	15	118
12	32	73	94	101	122	73	104	e1,060	1,100	137	17	124
13	28	64	108	60	104	80	113	e1,020	1,090	123	17	145
14	26	62	98	57	122	110	123	946	932	125	19	160
15	34	52	95	49	100	94	126	944	833	105	20	169
16	47	37	92	67	81	95	130	1,010	813	87	29	170
17	46	36	90	91	68	70	130	1,160	843	77	57	167
18	54	36	90	100	60	48	155	1,170	895	65	91	159
19	60	46	92	102	63	59	155	1,230	893	60	95	177
20	147	63	95	100	76	74	130	1,320	868	61	92	164
21	93	62	94	102	73	64	104	1,460	727	62	83	168
22	87	62	95	107	74	68	105	1,490	680	61	81	202
23	73	61	92	109	91	90	105	1,530	764	69	74	241
24	101	50	91	106	84	59	142	1,610	718	67	83	231
25	116	35	94	102	82	60	164	1,600	651	55	101	217
26	111	39	91	101	86	89	178	1,590	632	84	118	238
27	91	37	89	111	97	99	192	1,510	583	70	104	255
28	99	35	91	111	95	90	177	1,460	613	83	104	314
29	80	34	117	106	---	101	134	1,450	626	66	100	332
30	75	34	99	105	---	80	147	1,570	480	46	90	312
31	84	---	101	104	---	96	---	1,560	---	47	78	---
<b>Total</b>	1,783	1,641	2,867	3,211	2,560	2,665	3,804	31,253	29,361	4,796	1,704	5,013
<b>Mean</b>	57.5	54.7	92.5	104	91.4	86.0	127	1,008	979	155	55.0	167
<b>Max</b>	147	100	130	254	122	116	207	1,610	1,570	427	118	332
<b>Min</b>	24	34	47	49	60	48	53	184	480	46	15	71
<b>Ac-ft</b>	3,540	3,250	5,690	6,370	5,080	5,290	7,550	61,990	58,240	9,510	3,380	9,940

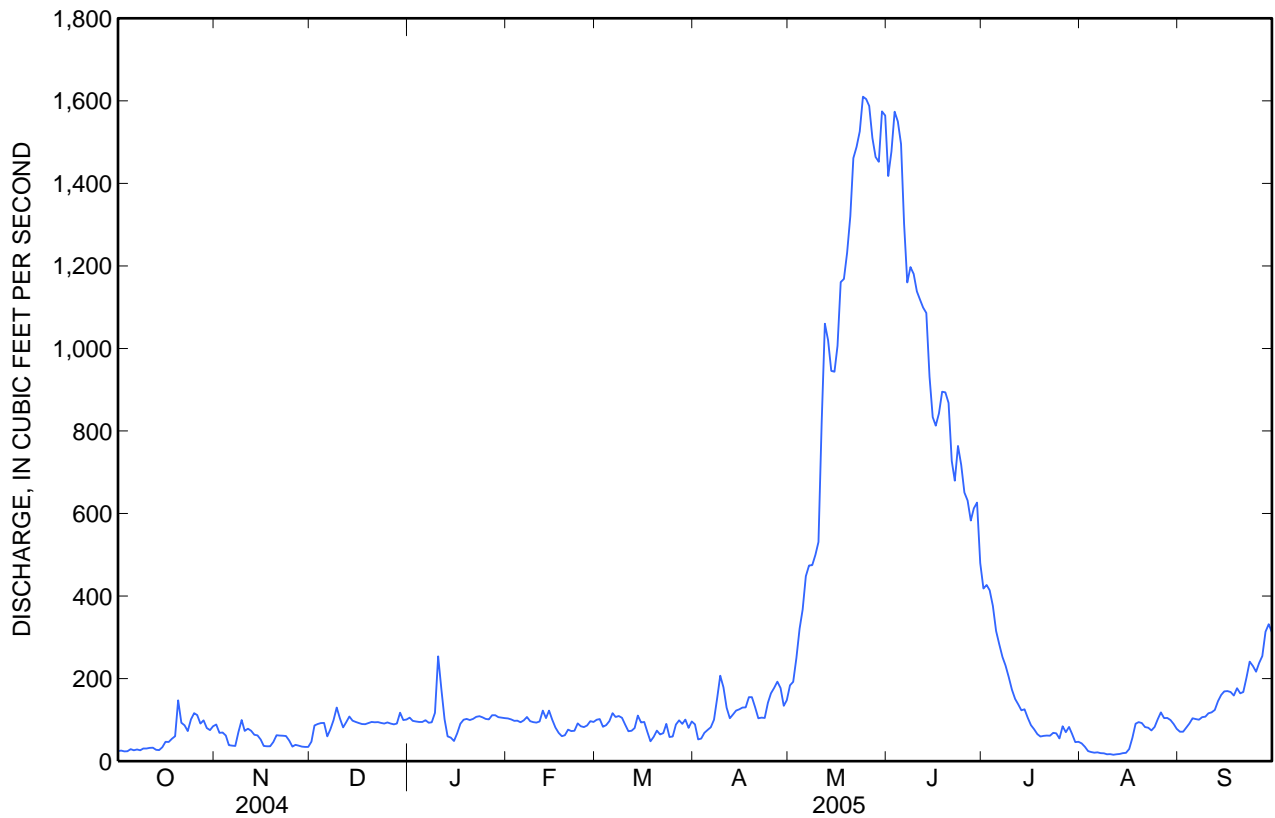
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	138	199	241	235	246	267	290	321	351	49.0	22.9	53.7
<b>Max</b>	512	585	574	629	818	1,257	1,345	1,396	1,571	390	210	278
<b>(WY)</b>	(1984)	(1983)	(1983)	(1997)	(1986)	(1986)	(1986)	(1952)	(1983)	(1965)	(1983)	(1986)
<b>Min</b>	10.9	25.6	39.4	24.7	35.5	40.9	24.3	2.22	2.33	0.68	1.12	1.56
<b>(WY)</b>	(1961)	(1963)	(1993)	(1989)	(1989)	(1961)	(1961)	(1961)	(1977)	(1946)	(1960)	(1960)

10163000 PROVO RIVER AT PROVO, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1944 - 2005	
<b>Annual total</b>	26,297.4		90,658			
<b>Annual mean</b>	71.9		248		200	
<b>Highest annual mean</b>					553	1986
<b>Lowest annual mean</b>					41.5	1989
<b>Highest daily mean</b>	186	Mar 26	1,610	May 24	2,420	May 6, 1952
<b>Lowest daily mean</b>	6.0	Sep 15	15	Aug 11	0.10	Aug 25, 1992
<b>Annual seven-day minimum</b>	7.3	Sep 9	17	Aug 7	0.46	Jul 24, 1946
<b>Annual runoff (ac-ft)</b>	52,160		179,800		145,200	
<b>10 percent exceeds</b>	135		878		412	
<b>50 percent exceeds</b>	73		98		129	
<b>90 percent exceeds</b>	12		37		7.0	



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

Jordan River Basin

LOCATION.--Lat 40°26'52", long 111°40'53" referenced to North American Datum of 1927, in SE ¼ NW ¼ NE ¼ 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 powerplant of PacifiCorp, 4.0 mi upstream from mouth of canyon, and 6.7 mi northeast of American Fork.

DRAINAGE AREA.--51.1 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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

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

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.

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

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

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--78 years, 56.7 ft<sup>3</sup>/s, 41,090 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<sup>3</sup>/s, Dec 20, 1976 (result of freezeup).

## 10164500 AMERICAN FORK ABOVE UPPER POWERPLANT, NEAR AMERICAN FORK, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**  
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	19	23	15	18	17	19	29	125	506	367	140	67
2	19	22	16	17	16	19	30	124	504	375	135	64
3	19	24	16	17	16	19	31	125	477	379	134	62
4	19	24	17	16	16	20	33	132	428	370	127	61
5	19	23	19	17	17	20	33	149	415	360	120	61
6	19	24	19	16	17	21	34	171	451	349	115	59
7	19	24	19	19	18	22	39	147	442	335	112	59
8	19	26	20	16	17	23	49	173	382	328	109	58
9	20	27	19	18	15	24	48	176	345	329	109	58
10	20	26	20	24	17	26	47	183	319	318	110	57
11	20	26	19	22	18	29	47	174	311	311	105	57
12	21	26	19	17	19	31	49	168	311	308	101	57
13	21	25	18	16	17	32	55	165	305	301	97	56
14	21	24	18	16	18	32	59	169	309	301	94	55
15	21	23	18	16	19	32	61	179	349	297	91	53
16	21	23	18	16	18	32	66	192	434	280	92	52
17	21	23	18	15	17	31	76	213	457	275	91	52
18	27	23	18	15	18	31	95	212	514	270	89	51
19	32	23	18	15	19	30	105	216	545	244	87	51
20	45	22	18	15	19	32	99	247	528	230	84	49
21	37	22	18	15	19	30	88	314	520	230	86	50
22	30	23	17	15	18	29	82	403	533	234	86	49
23	28	22	17	16	18	31	82	459	556	226	85	47
24	30	20	17	16	18	30	94	629	515	218	80	46
25	30	22	17	16	18	29	100	e698	492	210	74	45
26	27	21	18	17	19	28	108	e684	446	207	74	44
27	26	20	17	18	19	29	125	627	431	189	72	45
28	28	21	17	17	19	31	143	599	416	160	72	44
29	26	16	18	17	---	30	139	630	383	145	70	42
30	25	15	17	17	---	30	130	e667	372	143	68	41
31	25	---	17	17	---	29	---	576	---	140	68	---
<b>Total</b>	754	683	552	522	496	851	2,176	9,726	12,996	8,429	2,977	1,592
<b>Mean</b>	24.3	22.8	17.8	16.8	17.7	27.5	72.5	314	433	272	96.0	53.1
<b>Max</b>	45	27	20	24	19	32	143	698	556	379	140	67
<b>Min</b>	19	15	15	15	15	19	29	124	305	140	68	41
<b>Ac-ft</b>	1,500	1,350	1,090	1,040	984	1,690	4,320	19,290	25,780	16,720	5,900	3,160

	Calendar Year 2004	Water Year 2005
<b>Total</b>	14,602	41,754
<b>Mean</b>	39.9	114
<b>Max</b>	174	698
<b>Min</b>	11	15
<b>Ac-ft</b>	28,960	82,820

**10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT**

Jordan River Basin

LOCATION.--Lat 40°24'19", long 112°05'59" referenced to North American Datum of 1927, in NW ¼ NE ¼ NE ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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<sup>3</sup>/s, Aug 28, 1971, gage height, 7.50 ft from slope-area measurement; minimum, 0.01 ft<sup>3</sup>/s, Apr 20, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 92 ft<sup>3</sup>/s, May 24, gage height 3.40 ft; minimum daily discharge, 0.25 ft<sup>3</sup>/s, Oct. 4.

## 10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.35	0.31	e0.45	0.45	0.43	0.50	e2.8	18	39	15	5.8	2.8
2	0.26	0.31	e0.45	0.44	e0.44	0.50	e2.8	17	35	15	5.7	2.6
3	0.26	0.31	e0.40	0.44	e0.44	0.51	e3.2	18	29	22	5.4	5.9
4	0.25	0.29	e0.50	0.45	e0.44	0.52	e3.5	18	24	21	4.8	5.5
5	0.27	0.27	0.50	0.44	0.44	0.60	e3.7	19	22	20	4.5	6.1
6	0.29	0.28	0.49	e0.44	e0.44	0.61	e3.7	20	27	19	4.5	3.2
7	0.29	0.29	0.53	e0.40	0.48	0.57	e3.9	21	28	12	4.4	2.5
8	0.29	0.30	0.55	e0.44	e0.46	0.58	e5.0	e21	24	13	4.4	4.5
9	0.28	0.33	0.54	0.50	e0.46	0.58	e5.8	e21	23	15	4.6	8.9
10	0.29	0.34	0.52	0.58	e0.46	0.59	e6.4	e22	26	14	4.3	12
11	0.30	0.38	0.50	0.63	e0.46	0.59	e6.8	e23	21	14	4.0	6.2
12	0.30	0.38	0.50	e0.48	0.46	0.60	e8.8	e26	19	12	4.2	5.2
13	0.27	0.37	0.53	e0.44	0.42	0.66	e9.8	e28	18	12	4.3	3.4
14	0.27	0.38	0.56	e0.44	0.45	0.70	e10	29	19	11	4.5	3.7
15	0.27	0.40	0.56	0.44	0.44	1.0	e10	35	21	9.9	4.7	3.1
16	0.27	0.41	e0.57	0.44	e0.44	2.0	10	44	23	9.0	4.8	2.6
17	0.29	0.42	e0.56	0.44	e0.44	3.2	e12	36	23	8.5	4.5	2.4
18	0.36	0.44	e0.56	0.44	e0.44	4.2	e12	32	24	7.8	4.6	2.1
19	0.47	0.44	e0.56	0.44	0.49	4.4	e13	29	23	7.1	e4.7	2.1
20	e6.2	0.44	0.53	0.44	0.50	e6.0	13	35	21	8.4	4.3	2.1
21	1.1	0.44	e0.53	0.44	0.48	e4.4	12	35	21	9.6	4.3	2.2
22	0.35	0.44	e0.53	0.44	0.48	e3.8	12	31	21	9.8	4.3	2.8
23	0.33	0.45	e0.53	e0.44	0.48	e3.5	12	43	22	9.4	4.3	2.7
24	0.46	0.47	0.55	e0.44	0.47	e7.0	14	55	20	9.1	4.3	3.3
25	0.44	0.50	0.55	e0.41	0.49	e3.5	14	47	21	8.4	4.1	e2.7
26	0.32	0.50	0.48	0.41	0.50	e3.3	14	42	20	7.7	4.0	e2.7
27	0.31	0.53	0.49	0.49	e0.50	e2.8	e16	41	18	7.0	3.8	e3.5
28	0.40	e0.51	0.46	0.44	0.50	e3.5	17	45	20	6.5	3.3	e3.5
29	0.29	e0.45	0.55	0.44	---	e3.2	18	42	17	6.0	3.2	e3.3
30	0.28	e0.50	0.47	0.43	---	e2.9	17	46	16	5.6	3.2	e3.1
31	0.31	---	0.45	e0.44	---	e2.7	---	44	---	5.8	3.0	---
<b>Total</b>	16.42	11.88	15.95	14.03	12.93	69.51	292.2	983	685	350.6	134.8	116.7
<b>Mean</b>	0.53	0.40	0.51	0.45	0.46	2.24	9.74	31.7	22.8	11.3	4.35	3.89
<b>Max</b>	6.2	0.53	0.57	0.63	0.50	7.0	18	55	39	22	5.8	12
<b>Min</b>	0.25	0.27	0.40	0.40	0.42	0.50	2.8	17	16	5.6	3.0	2.1
<b>Ac-ft</b>	33	24	32	28	26	138	580	1,950	1,360	695	267	231

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966-75, 1987-2005, BY WATER YEAR (WY)**

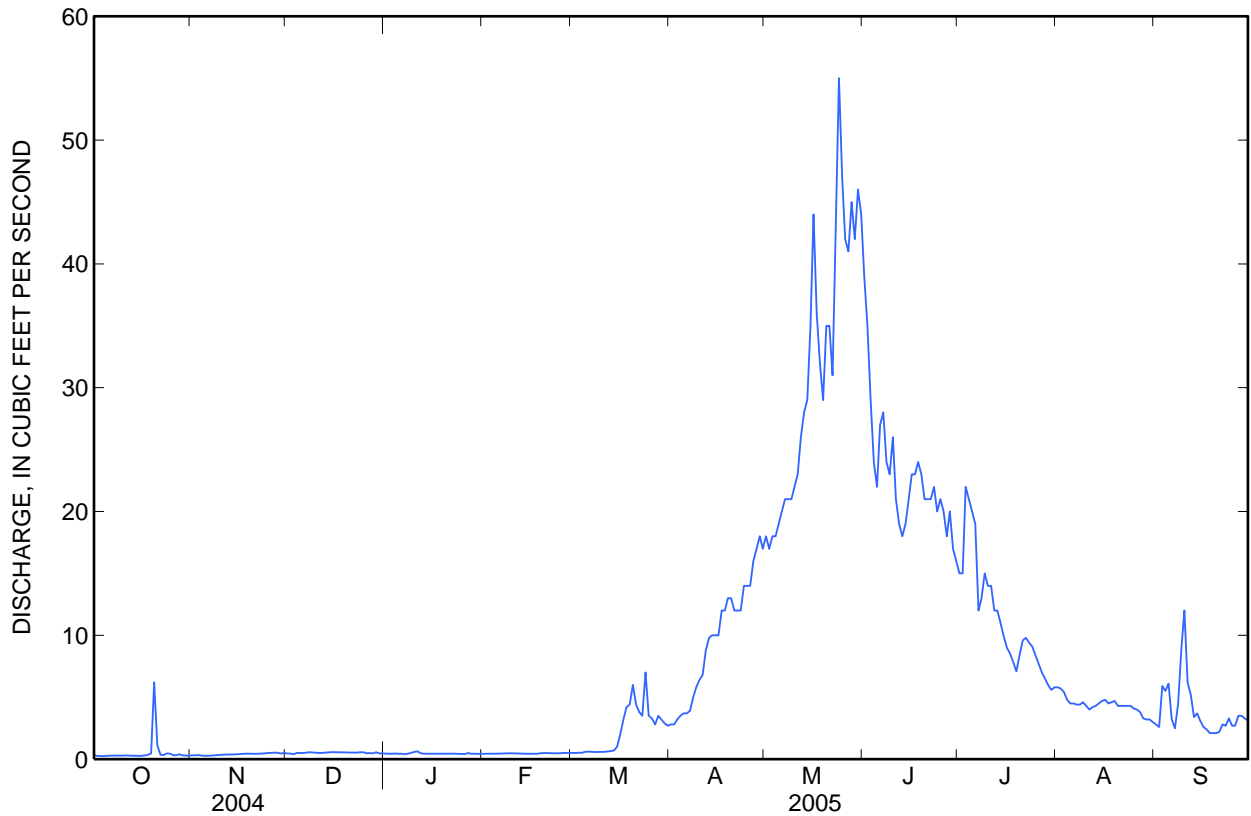
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.24	1.03	0.70	0.56	0.54	1.04	4.25	13.6	11.3	5.05	2.57	1.52
<b>Max</b>	4.16	3.40	2.05	1.53	1.56	3.59	17.4	44.2	29.0	21.2	8.90	4.47
<b>(WY)</b>	(1996)	(1996)	(1996)	(1999)	(1987)	(1996)	(1969)	(1973)	(1995)	(1975)	(1975)	(1975)
<b>Min</b>	0.17	0.13	0.10	0.06	0.06	0.07	0.08	2.35	1.63	0.66	0.26	0.18
<b>(WY)</b>	(1993)	(2004)	(1993)	(1991)	(1991)	(2004)	(2003)	(2003)	(1992)	(1992)	(1992)	(2003)



10166430 WEST CANYON CREEK NEAR CEDAR FORT, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004	Water Year 2005	Water Years 1966-75, 1987-2005	
<b>Annual total</b>	560.35	2,703.02		
<b>Annual mean</b>	1.53	7.41	3.63	
<b>Highest annual mean</b>			8.65	1973
<b>Lowest annual mean</b>			0.60	2003
<b>Highest daily mean</b>	7.5 May 11	55 May 24	85	May 20, 1973
<b>Lowest daily mean</b>	0.05 Feb 14	0.25 Oct 4	0.03	Oct 2, 1992
<b>Annual seven-day minimum</b>	0.06 Feb 14	0.27 Oct 2	0.05	Apr 20, 2003
<b>Annual runoff (ac-ft)</b>	1,110	5,360	2,630	
<b>10 percent exceeds</b>	5.0	22	10	
<b>50 percent exceeds</b>	0.53	2.8	1.1	
<b>90 percent exceeds</b>	0.07	0.38	0.19	





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Water-Data Report UT-2005

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

Jordan River Basin

LOCATION.--Lat 40°34'12", long 111°42'00" referenced to North American Datum of 1927, in SW ¼ NE ¼ SE ¼ 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.

DRAINAGE AREA.--15.3 mi<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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 poor. No regulation or diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 290 ft<sup>3</sup>/s, Jun 24, 2005; minimum daily discharge 4.5 ft<sup>3</sup>/s, Dec 28, 2003, possible ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 290 ft<sup>3</sup>/s, Jun 24; minimum daily discharge, 6.2 ft<sup>3</sup>/s, Oct 16.

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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	16	9.6	11	12	9.9	9.1	11	35	201	167	64	35
2	15	10	10	13	9.2	15	11	34	195	168	64	36
3	14	10	11	13	9.6	17	11	35	174	159	65	38
4	14	10	9.1	13	10	20	12	41	170	151	58	37
5	13	11	9.1	13	10	21	11	49	193	155	53	36
6	12	11	9.4	e13	9.3	18	12	54	200	150	49	35
7	12	12	9.5	e10	9.6	19	13	49	172	152	47	34
8	11	16	10	e11	8.6	15	14	50	152	150	47	34
9	11	18	11	e10	8.7	13	14	53	137	149	47	31
10	11	19	12	e11	8.9	12	15	47	137	147	48	30
11	9.9	19	12	e8.0	8.6	10	15	42	133	146	45	27
12	9.3	17	11	e11	9.5	12	15	40	135	142	41	25
13	8.6	18	12	e11	8.8	13	17	41	133	141	41	23
14	e7.8	e14	11	e10	8.8	12	16	51	150	141	38	23
15	e6.3	e15	11	e9.6	9.2	12	17	63	171	142	35	23
16	6.2	e14	12	10	8.8	13	20	94	195	141	36	23
17	6.3	e14	13	10	9.3	12	26	106	209	137	36	21
18	8.3	e14	12	10	9.4	11	28	119	181	122	37	e18
19	13	e14	12	10	9.8	11	24	157	185	108	34	e17
20	32	e14	13	9.9	9.3	11	25	222	172	111	33	e15
21	17	e13	12	9.7	9.0	10	23	256	204	110	31	15
22	13	e11	11	9.7	9.3	11	23	243	207	107	34	16
23	10	11	11	9.7	9.1	11	24	249	242	98	33	16
24	9.6	12	11	9.0	9.0	9.8	31	191	290	92	34	14
25	9.6	11	11	9.0	9.1	9.9	28	189	252	88	32	13
26	9.6	11	12	10	9.2	10	32	193	185	77	32	13
27	9.7	11	12	10	13	10	35	176	152	71	31	16
28	10	16	12	10	9.1	9.7	42	170	149	70	31	15
29	9.6	12	13	10	---	9.7	39	197	149	71	31	14
30	9.7	10	13	9.9	---	11	37	163	158	68	32	15
31	e11	---	12	9.0	---	11	---	194	---	68	33	---
<b>Total</b>	355.5	397.6	351.1	324.5	262.1	389.2	641	3,603	5,383	3,799	1,272	708
<b>Mean</b>	11.5	13.3	11.3	10.5	9.36	12.6	21.4	116	179	123	41.0	23.6
<b>Max</b>	32	19	13	13	13	21	42	256	290	168	65	38
<b>Min</b>	6.2	9.6	9.1	8.0	8.6	9.1	11	34	133	68	31	13
<b>Ac-ft</b>	705	789	696	644	520	772	1,270	7,150	10,680	7,540	2,520	1,400

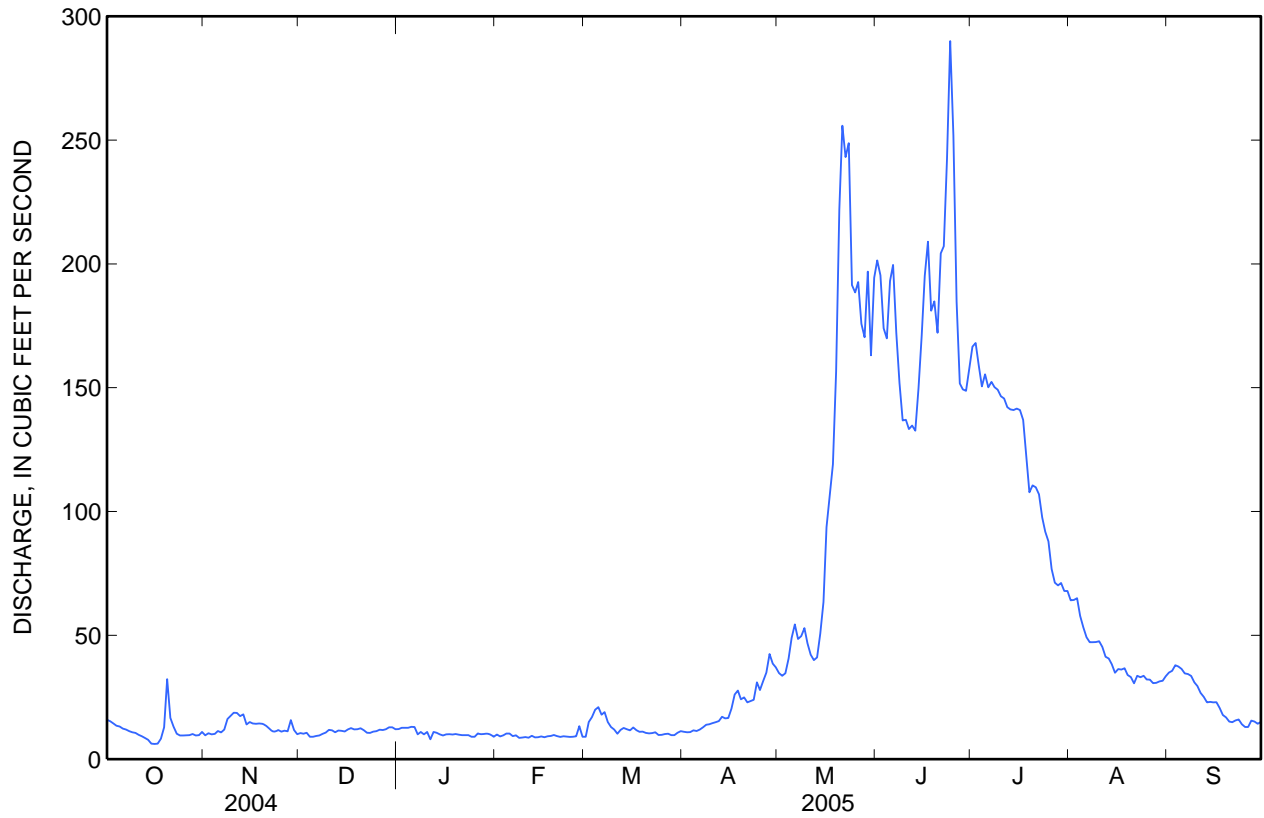
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2004 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	11.5	10.1	8.69	8.43	7.49	13.3	28.8	110	157	84.3	28.9	19.3
<b>Max</b>	11.5	13.3	11.3	10.5	9.36	14.0	36.3	116	179	123	41.0	23.6
<b>(WY)</b>	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2004)	(2005)	(2005)	(2005)	(2005)	(2005)
<b>Min</b>	11.5	7.03	6.06	6.38	5.69	12.6	21.4	104	135	46.0	16.7	15.1
<b>(WY)</b>	(2005)	(2004)	(2004)	(2004)	(2004)	(2005)	(2005)	(2004)	(2004)	(2004)	(2004)	(2004)

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

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2004 - 2005	
<b>Annual total</b>	12,685.2		17,486.0			
<b>Annual mean</b>	34.7		47.9		47.9	
<b>Highest annual mean</b>					47.9 2005	
<b>Lowest annual mean</b>					47.9 2005	
<b>Highest daily mean</b>	231	Jun 8	290	Jun 24	290	Jun 24, 2005
<b>Lowest daily mean</b>	5.4	Feb 12	6.2	Oct 16	4.5	Dec 28, 2003
<b>Annual seven-day minimum</b>	5.5	Feb 10	7.5	Oct 12	5.5	Feb 10, 2004
<b>Annual runoff (ac-ft)</b>	25,160		34,680		34,710	
<b>10 percent exceeds</b>	107		156		156	
<b>50 percent exceeds</b>	15		15		15	
<b>90 percent exceeds</b>	5.9		9.5		9.5	



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

Jordan River Basin

LOCATION.--Lat 40°39'50", long 111°54'04" referenced to North American Datum of 1927, in SW ¼ NW ¼ NE ¼ sec.12, T.2 S., R.1 W., Salt Lake County, Hydrologic Unit 16020204, 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.--Records good except for estimated daily discharges, which are fair. Flow regulated. Diversions for irrigation and return flow from irrigation canals.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 698 ft<sup>3</sup>/s, May 30, 2005, gage height 5.29 ft; minimum daily discharge, 0.35 ft<sup>3</sup>/s, Nov 5, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 698 ft<sup>3</sup>/s, May 30, gage height, 5.29 ft; minimum daily discharge, 0.44 ft<sup>3</sup>/s, Oct 17.

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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3.2	5.7	9.3	8.8	1.6	2.3	18	54	320	309	18	17
2	2.4	2.2	11	3.0	1.4	1.8	17	51	309	329	22	20
3	1.9	1.9	3.4	2.6	1.4	2.1	16	47	258	311	23	22
4	1.7	1.7	3.8	2.7	1.4	1.9	33	51	199	290	19	26
5	2.0	1.6	4.7	5.8	1.5	2.1	20	69	195	251	15	33
6	1.7	1.3	3.0	8.1	1.4	1.8	16	106	339	252	13	38
7	1.3	1.2	2.6	2.5	6.9	2.0	17	110	253	240	15	33
8	1.0	1.2	5.1	2.3	4.7	2.0	76	106	188	232	11	36
9	2.5	14	7.8	3.0	2.5	2.0	38	88	151	219	8.4	38
10	2.4	8.7	3.6	8.2	1.7	2.0	29	153	133	206	9.5	41
11	1.5	11	2.7	32	8.6	2.1	27	149	132	207	15	39
12	1.8	e12	2.7	9.9	16	2.3	28	104	161	193	12	29
13	2.0	e8.1	2.5	4.7	9.0	2.3	28	105	144	189	15	29
14	1.7	e5.8	3.6	2.7	12	1.9	31	109	151	190	23	26
15	1.2	e5.5	2.8	2.0	27	3.9	33	127	226	174	28	22
16	1.2	e5.9	2.2	1.7	9.2	9.5	35	158	340	210	26	22
17	0.44	e5.5	1.9	1.6	6.8	12	45	243	383	225	29	19
18	3.7	e5.6	1.8	1.7	7.3	14	58	161	422	200	25	17
19	4.6	e5.0	1.9	1.9	4.9	12	87	184	440	152	26	16
20	86	e4.0	2.0	1.6	4.6	47	67	282	450	113	25	17
21	32	e4.3	2.0	1.7	3.3	22	47	356	493	68	25	39
22	8.8	e4.0	2.1	1.4	2.1	13	39	368	524	68	26	44
23	10	e11	2.3	1.4	1.9	48	34	421	591	65	26	33
24	22	10	2.2	1.5	1.8	44	49	475	594	60	20	32
25	24	14	2.3	1.4	1.7	32	56	417	540	63	25	32
26	4.6	24	2.3	1.4	1.7	17	54	321	457	39	26	32
27	2.8	13	2.3	7.1	1.8	15	78	295	396	17	27	45
28	19	15	2.3	4.0	2.0	44	104	324	342	6.8	26	24
29	11	9.3	11	12	---	30	89	341	304	11	25	22
30	5.0	7.1	3.4	4.2	---	39	68	459	305	18	23	24
31	25	---	4.0	1.8	---	23	---	337	---	17	19	---
<b>Total</b>	288.44	219.6	114.6	144.7	146.2	454.0	1,337	6,571	9,740	4,924.8	645.9	867
<b>Mean</b>	9.30	7.32	3.70	4.67	5.22	14.6	44.6	212	325	159	20.8	28.9
<b>Max</b>	86	24	11	32	27	48	104	475	594	329	29	45
<b>Min</b>	0.44	1.2	1.8	1.4	1.4	1.8	16	47	132	6.8	8.4	16
<b>Ac-ft</b>	572	436	227	287	290	901	2,650	13,030	19,320	9,770	1,280	1,720

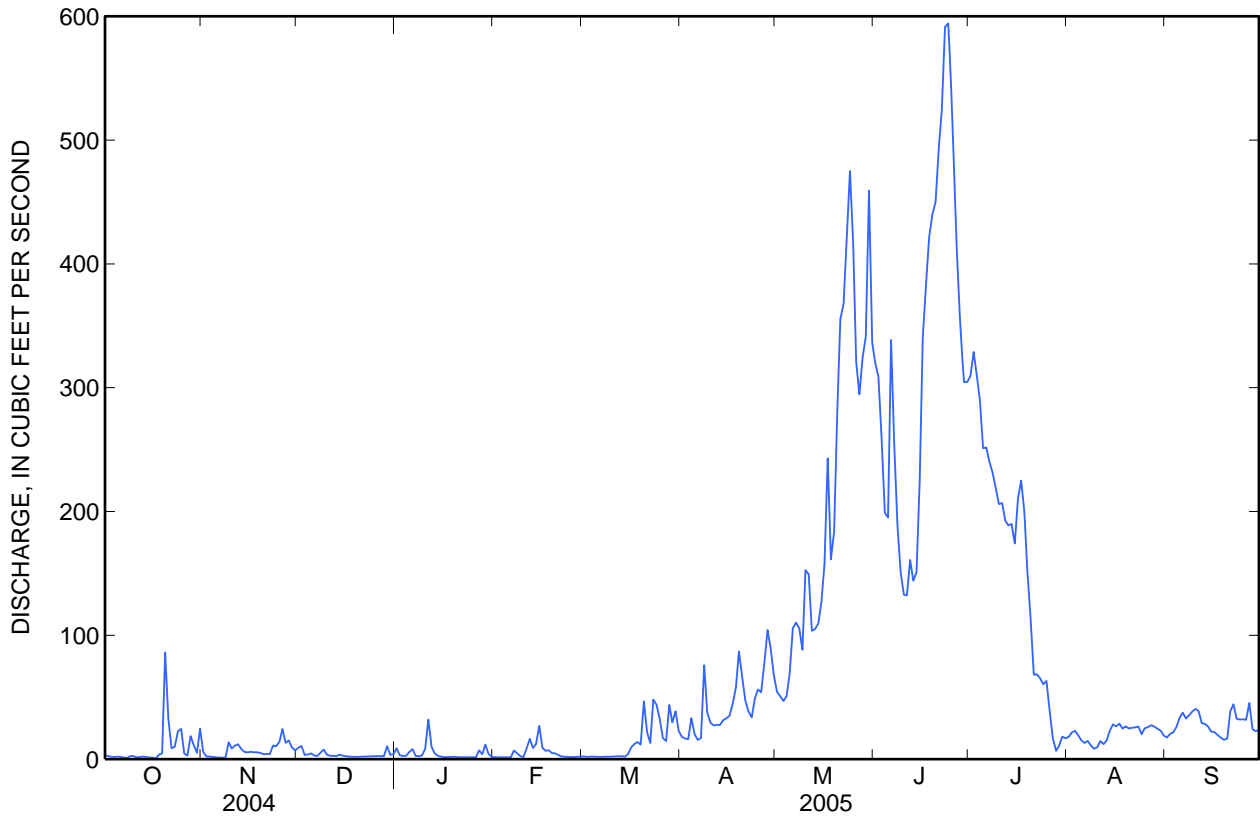
**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1999 - 2005, BY WATER YEAR (WY)**

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	10.6	4.69	3.46	3.33	4.06	7.06	20.1	125	122	36.1	12.8	12.3
<b>Max</b>	29.8	8.81	4.66	6.98	5.90	14.6	44.6	212	325	159	21.5	28.9
<b>(WY)</b>	(1999)	(1999)	(2004)	(1999)	(1999)	(2005)	(2005)	(2005)	(2005)	(2005)	(2001)	(2005)
<b>Min</b>	3.28	1.78	1.04	1.56	2.12	2.86	7.18	55.2	35.4	6.84	7.70	4.85
<b>(WY)</b>	(2004)	(2003)	(2003)	(2002)	(2002)	(2003)	(2003)	(2004)	(2001)	(2004)	(2004)	(2004)

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

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1999 - 2005	
<b>Annual total</b>	5,551.21		25,453.24			
<b>Annual mean</b>	15.2		69.7		30.3	
<b>Highest annual mean</b>					69.7	2005
<b>Lowest annual mean</b>					14.4	2004
<b>Highest daily mean</b>	169	Jun 8	594	Jun 24	594	Jun 24, 2005
<b>Lowest daily mean</b>	0.44	Oct 17	0.44	Oct 17	0.35	Nov 5, 2001
<b>Annual seven-day minimum</b>	1.1	Feb 11	1.4	Oct 11	0.68	Jan 3, 2003
<b>Annual runoff (ac-ft)</b>	11,010		50,490		21,940	
<b>10 percent exceeds</b>	34		252		78	
<b>50 percent exceeds</b>	5.4		17		6.2	
<b>90 percent exceeds</b>	1.5		1.8		1.4	



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

## 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 2004 TO SEPTEMBER 2005

Part 1 of 2

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)
Nov 23...	1030	11	659	11.8	102	7.6	621	7.0	3.2	114	139	--	73.4
Jan 20...	1000	1.5	667	11.2	99	7.6	1,690	4.0	4.6	303	369	--	271
Mar 22...	1250	13	656	12.0	113	8.7	634	11.0	6.3	117	137	3	92.5
May 16...	1000	133	650	11.2	110	8.1	345	21.0	8.0	61	75	--	51.4
Jul 20...	1100	133	660	9.2	96	8.1	230	33.0	11.0	49	60	--	21.4
Sep 07...	1140	34	663	6.5	81	8.3	1,520	31.0	19.4	184	219	3	238



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

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 2 of 2

[Remark codes: &lt;, less than; E, estimated.]

Date	Sulfate water, fltrd, mg/L (00945)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)
<b>Nov</b> 23...	49.4	<.04	--	--	.56	--	<.008	.67	--	<.006	.011
<b>Jan</b> 20...	156	E.04	7.13	1.61	1.63	.059	.018	1.92	.025	.008	.032
<b>Mar</b> 22...	51.8	<.04	--	--	.52	--	<.008	.71	--	<.006	.011
<b>May</b> 16...	18.5	<.04	--	--	.42	--	<.008	.64	--	<.006	.035
<b>Jul</b> 20...	20.4	<.04	--	--	.23	--	<.008	.35	--	<.006	.020
<b>Sep</b> 07...	212	<.04	1.61	.36	.37	.033	.010	1.36	.031	.010	.129

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO**  
**SEPTEMBER 2005**

Date	Time	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
<b>Nov</b> 23...	1030	6	.18
<b>Jan</b> 20...	1000	127	.52
<b>May</b> 16...	1000	57	20
<b>Jul</b> 20...	1100	11	4.0
<b>Sep</b> 07...	1140	45	4.1

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

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Biomass periphyton, ashfree drymass, g/m2 (49954)	Periphyton biomass weight, g/m2 (00572)	Periphyton biomass dry weight, g/m2 (00573)	Biomass chlorophyll ratio, periphyton, number (70950)	Pheophytin, periphyton, mg/m2 (62359)	Chlorophyll a periphyton, chromofluoro, mg/m2 (70957)
Aug 09...	0930	10	7.9	8.0	1,370	20.4	7.3	40	47.80	2,820	1.2	2.6

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 1 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	1-Naphthol, water, fltrd 0.7u GF (49295)	2,6-Diethyl-aniline, water, fltrd 0.7u GF (82660)	2Chloro-2',6'-diethyl acetanilide, wat fltrd, ug/L (61618)	CIAT, water, fltrd, ug/L (04040)	2-Ethyl-6-methyl-aniline, water, fltrd, ug/L (61620)	3,4-Di-chloro-aniline, water, fltrd, ug/L (61625)	3,5-Di-chloro-aniline, water, fltrd, ug/L (61627)	4Chloro-2methyl phenol, water, fltrd, ug/L (61633)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor, water, fltrd, ug/L (46342)	alpha-Endo-sulfan, water, fltrd, ug/L (34362)	alpha-HCH-d6, surrog, wat fltrd percent recovry (99995)
Nov 23...	1030	<.09	<.006	<.005	<.009	<.004	<.004	--	<.006	<.006	<.005	--	88.7
Jan 20...	1000	<.09	<.006	<.005	E.011	<.004	<.004	--	<.006	<.006	<.005	--	94.0
Mar 22...	1250	<.09	<.006	<.005	E.006	<.004	<.004	--	<.006	<.006	<.005	--	94.7
May 16...	1000	<.09	<.006	<.005	<.006	<.004	--	--	<.006	<.006	<.005	--	92.5
Jul 20...	1100	<.09	<.006	<.005	<.006	<.004	<.004	<.004	<.006	<.006	<.005	<.005	97.1
Sep 07...	1140	<.09	<.006	<.005	<.006	<.004	<.004	<.004	<.006	<.006	<.005	<.005	93.9

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

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 2 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Atra- zine, water, fltrd, ug/L (39632)	Azin- phos- methyl water, fltrd, ug/L (61635)	Azin- phos- methyl, water, fltrd 0.7u GF (82686)	Ben- flur- alin, water, fltrd 0.7u GF (82673)	Car- baryl, water, fltrd 0.7u GF (82680)	Carbo- furan, water, fltrd 0.7u GF (82674)	Chlor- pyrifos oxon, water, fltrd, ug/L (61636)	Chlor- pyrifos water, fltrd, ug/L (38933)	cis- Per- methrin water fltrd 0.7u GF (82687)	cis- Propi- cona- zole, water, fltrd, ug/L (79846)	Cyana- zine, water, fltrd, ug/L (04041)	Cyflu- thrin, water, fltrd, ug/L (61585)	lambda- Cyhalo- thrin, water, fltrd, ug/L (61595)
Nov 23...	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--
Jan 20...	.009	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.008	--
Mar 22...	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.027	--
May 16...	<.007	<.07	<.050	<.010	<.041	--	<.06	<.005	<.006	--	--	<.027	--
Jul 20...	<.007	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.027	<.009
Sep 07...	E.006	<.07	<.050	<.010	<.041	<.020	<.06	<.005	<.006	<.008	<.018	<.027	<.009

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 3 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Cyper- methrin water, fltrd, ug/L (61586)	DCPA, water fltrd 0.7u GF (82682)	Desulf- inyl fipro- nil, water, fltrd, ug/L (62170)	Diaz- inon oxon, water, fltrd, ug/L (61638)	Diazi- non, water, fltrd, ug/L (39572)	Diazi- non-d10 surrog, wat flt percent recovery (99994)	Dicro- tophos, water fltrd, ug/L (38454)	Diel- drin, water, fltrd, ug/L (39381)	Dimeth- oate, water, fltrd 0.7u GF (82662)	Disulf- oton sulfone water, fltrd, ug/L (61640)	Disul- foton, water, fltrd 0.7u GF (82677)	Endo- sulfan sulfate water, fltrd, ug/L (61590)	EPTC, water, fltrd 0.7u GF (82668)
Nov 23...	<.009	.004	<.012	<.01	<.005	87.0	<.08	<.009	<.006	--	--	--	--
Jan 20...	E.009	.004	<.012	<.01	<.005	113	<.08	<.009	<.006	--	--	--	--
Mar 22...	<.009	.005	E.006	<.01	<.005	101	<.08	<.009	<.006	--	--	--	--
May 16...	<.009	E.002	<.012	<.01	<.005	100	<.08	<.009	<.006	--	--	--	--
Jul 20...	<.009	<.003	<.012	--	<.005	99.9	<.08	<.009	<.006	<.01	<.02	<.014	<.004
Sep 07...	<.009	E.003	<.012	--	<.005	125	--	<.009	<.006	<.01	<.02	<.014	<.004

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

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 4 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Ethion monoxon water, fltrd, ug/L (61644)	Ethion water, fltrd, ug/L (82346)	Etho-prop, water, fltrd, 0.7u GF (82672)	Fenami-phos sulfone water, fltrd, ug/L (61645)	Fenami-phos sulf-oxide, water, fltrd, ug/L (61646)	Fenami-phos, water, fltrd, ug/L (61591)	Desulf-inyl-fipro-nil amide, wat flt ug/L (62169)	Fipro-nil sulfide water, fltrd, ug/L (62167)	Fipro-nil sulfone water, fltrd, ug/L (62168)	Fipro-nil, water, fltrd, ug/L (62166)	Fonofos oxon, water, fltrd, ug/L (61649)	Fonofos water, fltrd, ug/L (04095)	Hexa-zinone, water, fltrd, ug/L (04025)
Nov 23...	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	<.003	<.003	<.013
Jan 20...	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013
Mar 22...	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013
May 16...	<.0020	<.004	--	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013
Jul 20...	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013
Sep 07...	<.002	<.004	<.005	<.049	<.04	<.03	<.029	<.013	<.024	<.016	--	<.003	<.013

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 5 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Ipro-dione, water, fltrd, ug/L (61593)	Isofen-phos, water, fltrd, ug/L (61594)	Mala-oxon, water, fltrd, ug/L (61652)	Mala-thion, water, fltrd, ug/L (39532)	Meta-laxyl, water, fltrd, ug/L (61596)	Methi-althion, water, fltrd, ug/L (61598)	Methyl para-oxon, water, fltrd, ug/L (61664)	Methyl para-thion, water, fltrd, 0.7u GF ug/L (82667)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Moli-nate, water, fltrd, 0.7u GF ug/L (82671)	Myclo-butanyl, water, fltrd, ug/L (61599)	Oxy-fluor-fen, water, fltrd, ug/L (61600)
Nov 23...	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--
Jan 20...	<.387	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--
Mar 22...	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--
May 16...	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	--	<.008	--
Jul 20...	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	<.003	<.008	<.007
Sep 07...	<.538	<.003	<.030	<.027	<.005	<.006	<.03	<.015	<.006	<.006	<.003	<.008	<.007

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

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 6 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Pendi- meth- alin, water, fltrd 0.7u GF ug/L (82683)	Phorate water, fltrd, 0.7u GF ug/L (61666)	Phorate water fltrd 0.7u GF ug/L (82664)	Phosmet water, fltrd, ug/L (61668)	Phosmet water, fltrd, ug/L (61601)	Prome- ton, water, fltrd, ug/L (04037)	Prome- tryn, water, fltrd, ug/L (04036)	Propy- zamide, water, fltrd 0.7u GF ug/L (82676)	Pro- panil, water, fltrd 0.7u GF ug/L (82679)	Propar- gite, water, fltrd 0.7u GF ug/L (82685)	Sima- zine, water, fltrd, ug/L (04035)	Tebu- thiuron water fltrd 0.7u GF ug/L (82670)	Teflu- thrin, water, fltrd, ug/L (61606)
Nov 23...	<.022	<.10	<.011	<.05	<.008	<.02	<.005	<.004	--	--	<.005	<.02	--
Jan 20...	<.022	<.10	<.011	<.05	<.008	.03	<.005	<.004	--	--	<.005	<.04	--
Mar 22...	E.022	<.10	<.011	<.05	<.008	.01	<.005	<.004	--	--	<.005	<.02	--
May 16...	E.009	<.10	<.011	<.05	<.008	<.01	<.005	<.004	--	--	<.005	<.02	--
Jul 20...	<.022	<.10	<.011	<.05	<.008	<.01	<.005	<.004	<.011	<.02	<.005	<.02	<.008
Sep 07...	<.022	<.10	<.011	--	<.008	E.01	<.005	<.004	<.011	<.02	<.005	<.02	<.008

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 7 of 7

[Remark codes: &lt;, less than; E, estimated.]

Date	Ter- bufos oxon sulfone water, fltrd, ug/L (61674)	Terbu- fos, water, fltrd 0.7u GF ug/L (82675)	Ter- buthyl- azine, water, fltrd, ug/L (04022)	Thio- bencarb water fltrd 0.7u GF ug/L (82681)	trans- Propi- cona- zole, water, fltrd, ug/L (79847)	Tribu- phos, water, fltrd, ug/L (61610)	Tri- flur- alin, water, fltrd 0.7u GF ug/L (82661)	Di- chlor- vos, water fltrd, ug/L (38775)
Nov 23...	<.07	<.02	<.01	--	--	--	E.006	<.01
Jan 20...	<.07	<.02	<.01	--	--	--	E.006	<.01
Mar 22...	<.07	<.02	<.01	--	--	--	E.006	<.01
May 16...	<.07	<.02	<.01	--	--	--	E.005	<.01
Jul 20...	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01
Sep 07...	<.07	<.02	<.01	<.010	<.01	<.004	<.009	<.01

**10168300 TAILRACE AT STAIRS PLANT NEAR SALT LAKE CITY, UT**

Jordan River Basin

LOCATION.--Lat 40°37'26", long 111°45'05" referenced to North American Datum of 1927, in NW ¼ SE ¼ SW ¼ 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<sup>2</sup>.

**WATER-DISCHARGE RECORDS**

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.

COOPERATION.--Records collected by PacifiCorp.

REMARKS.--Records fair.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--20 years, 26.3 ft<sup>3</sup>/s, 19,100 acre-ft/yr.

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

## 10168300 TAILRACE AT STAIRS PLANT NEAR SALT LAKE CITY, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	10	24	15	15	14	14	19	45	51	3.0	2.0	1.9
2	12	20	16	14	13	13	21	42	51	4.0	1.0	2.0
3	26	23	15	14	13	13	24	41	51	3.5	1.5	2.0
4	26	24	14	14	14	13	28	44	51	3.0	2.0	2.0
5	9.0	24	13	14	14	13	27	51	51	3.3	11	2.0
6	14	23	12	14	14	14	27	53	51	25	47	2.0
7	25	22	12	12	14	14	32	53	51	49	46	2.0
8	26	25	12	12	13	14	49	53	51	51	46	2.0
9	26	29	15	11	13	15	48	53	51	51	47	2.0
10	26	28	17	16	13	17	42	53	51	45	46	2.0
11	27	28	18	17	13	18	37	53	51	23	46	2.0
12	26	27	18	15	13	19	37	53	51	30	45	2.0
13	24	26	18	14	13	19	44	52	51	51	44	2.0
14	26	25	17	14	13	19	50	50	51	34	43	19
15	26	24	17	13	14	18	50	52	51	48	42	47
16	19	23	17	12	13	17	52	43	44	44	43	47
17	16	22	16	13	14	17	53	52	51	44	42	46
18	18	21	16	15	13	16	52	52	51	44	41	46
19	20	21	16	13	13	16	52	52	51	50	3.0	46
20	40	20	16	13	13	16	53	46	51	28	3.0	45
21	39	20	15	14	13	17	52	43	50	1.6	3.0	47
22	28	19	15	15	13	16	50	32	44	2.0	3.0	46
23	29	14	14	15	13	18	50	46	34	2.0	1.0	45
24	34	19	14	15	13	19	52	47	3.0	1.6	1.2	44
25	29	20	14	15	13	18	52	52	2.6	2.0	2.0	44
26	27	20	11	15	14	17	52	53	2.6	2.9	1.9	43
27	25	19	12	15	14	18	52	53	3.0	2.9	1.9	44
28	28	19	13	15	14	20	49	53	3.0	3.0	2.0	44
29	26	15	15	15	---	20	53	52	3.8	2.0	2.0	45
30	25	13	15	15	---	20	50	47	4.0	2.4	2.0	44
31	25	---	15	14	---	19	---	51	---	2.4	1.9	---
<b>Total</b>	757.0	657	463	438	374	517	1,309	1,522	1,163.0	658.6	623.4	767.9
<b>Mean</b>	24.4	21.9	14.9	14.1	13.4	16.7	43.6	49.1	38.8	21.2	20.1	25.6
<b>Max</b>	40	29	18	17	14	20	53	53	51	51	47	47
<b>Min</b>	9.0	13	11	11	13	13	19	32	2.6	1.6	1.0	1.9
<b>Ac-ft</b>	1,500	1,300	918	869	742	1,030	2,600	3,020	2,310	1,310	1,240	1,520

	Calendar Year 2004	Water Year 2005
<b>Total</b>	10,330.9	9,249.9
<b>Mean</b>	28.2	25.3
<b>Max</b>	55	53
<b>Min</b>	7.7	1.0
<b>Ac-ft</b>	20,490	18,350

**10170500 SURPLUS CANAL AT SALT LAKE CITY, UT**

Jordan River Basin

LOCATION.--Lat 40°43'37", long 111°55'33" referenced to North American Datum of 1927, in SE ¼ SW ¼ SW ¼ 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.

**WATER-DISCHARGE RECORDS**

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 except for estimated days, which are poor. 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<sup>3</sup>/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 daily discharge, 2,030 ft<sup>3</sup>/s, Jun 6, minimum daily discharge, 51 ft<sup>3</sup>/s, Jan 26.



## 10170500 SURPLUS CANAL AT SALT LAKE CITY, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	116	395	110	167	92	198	346	455	831	585	187	151
2	107	231	111	141	87	135	286	e443	e1,200	781	249	143
3	94	227	101	136	85	138	248	430	e1,440	939	254	134
4	94	225	109	143	84	138	328	420	e1,230	803	210	278
5	87	216	116	148	93	142	320	413	e1,200	639	197	197
6	107	217	116	166	94	143	241	458	e2,030	578	191	174
7	205	211	108	140	182	144	267	510	e1,200	535	187	149
8	131	247	117	135	154	134	584	503	e789	531	154	170
9	117	445	153	138	106	136	544	473	712	537	150	183
10	109	345	130	187	99	136	400	563	579	484	225	234
11	99	261	126	413	107	131	314	865	497	471	217	226
12	91	274	121	310	191	134	266	e520	893	459	217	226
13	83	215	118	203	155	136	266	e560	612	372	213	234
14	87	178	118	169	168	137	326	e600	403	405	255	227
15	80	172	124	158	322	133	403	e640	436	415	264	224
16	70	176	122	137	263	140	396	e660	631	430	265	216
17	62	170	125	122	253	132	414	e1,120	666	489	299	216
18	80	168	131	107	248	152	460	e663	757	e464	292	234
19	93	158	126	96	250	143	604	716	855	e375	249	250
20	631	137	127	93	266	351	621	850	726	e289	218	255
21	730	140	125	88	262	241	468	1,030	e805	e184	200	373
22	302	135	113	78	244	185	424	887	e783	e160	208	476
23	216	132	118	78	237	407	371	1,300	1,150	141	201	306
24	510	133	122	66	233	556	444	1,660	1,200	129	203	315
25	570	138	105	53	231	473	422	1,500	1,080	151	221	308
26	e379	253	111	51	230	336	395	1,080	712	106	197	281
27	225	159	120	149	231	258	450	1,030	641	98	197	335
28	408	177	117	149	235	351	709	996	662	99	198	394
29	391	124	179	174	---	453	746	966	601	136	163	285
30	260	108	162	137	---	468	493	1,760	594	166	147	261
31	660	---	137	102	---	419	---	1,340	---	144	146	---
<b>Total</b>	7,194	6,167	3,818	4,434	5,202	7,180	12,556	25,411	25,915	12,095	6,574	7,455
<b>Mean</b>	232	206	123	143	186	232	419	820	864	390	212	248
<b>Max</b>	730	445	179	413	322	556	746	1,760	2,030	939	299	476
<b>Min</b>	62	108	101	51	84	131	241	413	403	98	146	134
<b>Ac-ft</b>	14,270	12,230	7,570	8,790	10,320	14,240	24,900	50,400	51,400	23,990	13,040	14,790

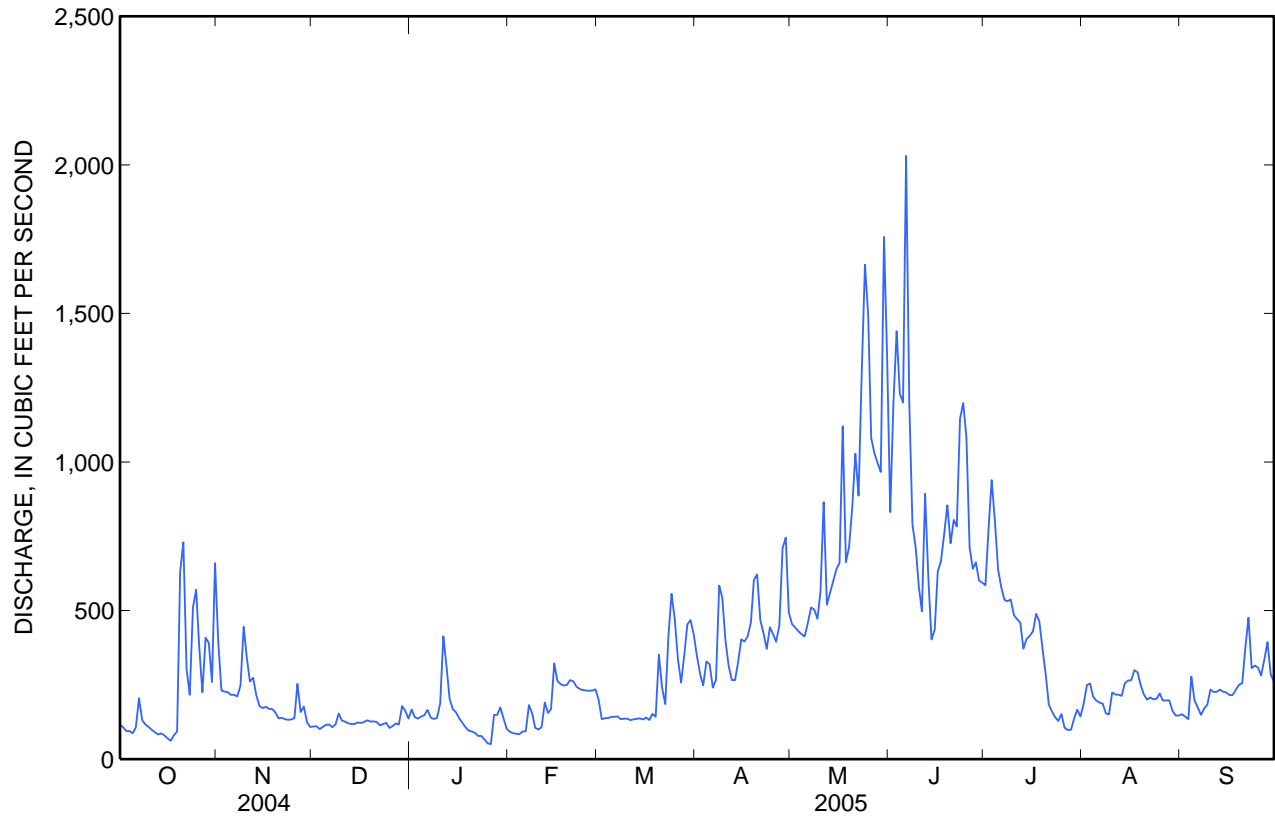
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	272	281	295	321	398	436	498	620	671	363	271	277
<b>Max</b>	1,473	1,616	1,740	1,806	1,804	1,882	2,749	3,042	3,299	2,158	1,651	1,364
<b>(WY)</b>	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1986)	(1986)	(1984)	(1983)	(1983)	(1986)
<b>Min</b>	66.1	68.8	49.7	30.8	0.00	55.9	44.8	74.7	44.4	69.6	50.6	77.7
<b>(WY)</b>	(1962)	(1944)	(1944)	(1956)	(1963)	(1945)	(1961)	(1961)	(1961)	(1961)	(1961)	(1961)

10170500 SURPLUS CANAL AT SALT LAKE CITY, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1944 - 2005	
<b>Annual total</b>	81,056		124,001			
<b>Annual mean</b>	221		340		391	
<b>Highest annual mean</b>					1,968	1984
<b>Lowest annual mean</b>					69.6	1961
<b>Highest daily mean</b>	792	May 29	2,030	Jun 6	4,250	Jun 1, 1984
<b>Lowest daily mean</b>	62	Oct 17	51	Jan 26	0.00	Jan 21, 1963
<b>Annual seven-day minimum</b>	79	Oct 12	72	Jan 20	0.00	Jan 21, 1963
<b>Annual runoff (ac-ft)</b>	160,800		246,000		283,600	
<b>10 percent exceeds</b>	406		720		1,020	
<b>50 percent exceeds</b>	178		226		201	
<b>90 percent exceeds</b>	108		107		84	



## 10171000 JORDAN RIVER AT SALT LAKE CITY, UT

Jordan River Basin

LOCATION.--Lat 40°44'01", long 111°55'21" referenced to North American Datum of 1927, in SW ¼ SE ¼ NW ¼ 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<sup>2</sup>, includes 255 mi<sup>2</sup> closed basin in Cedar Valley.

### WATER-DISCHARGE RECORDS

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

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

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<sup>3</sup>/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<sup>3</sup>/s, Jun 1, 1984; minimum daily, 89 ft<sup>3</sup>/s, Jun 23, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 171 ft<sup>3</sup>/s, Jun 29; minimum daily discharge, 4.1 ft<sup>3</sup>/s, May 4.

## 10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	107	100	133	125	153	52	75	6.2	74	154	138	143
2	107	133	133	122	152	116	108	5.1	68	154	146	142
3	107	130	133	122	151	116	133	4.4	60	155	144	142
4	107	125	127	122	151	117	115	4.1	59	153	137	149
5	106	123	121	122	151	116	124	53	58	151	135	144
6	107	123	121	124	151	117	136	68	75	151	133	144
7	113	122	121	123	147	117	137	42	48	149	134	144
8	108	116	122	124	136	116	114	21	66	149	139	144
9	105	102	126	124	130	115	59	20	76	147	141	145
10	99	87	124	130	129	116	76	18	74	146	145	144
11	103	93	123	155	129	115	94	61	74	147	145	144
12	103	98	123	145	140	115	91	18	62	154	146	144
13	102	110	122	135	138	115	91	14	65	160	146	145
14	101	114	122	130	118	115	e64	14	83	160	147	144
15	101	114	120	128	79	115	e6.2	14	93	160	149	144
16	101	114	117	137	49	115	e6.4	47	112	160	152	144
17	101	115	113	145	22	115	e6.0	83	117	163	160	143
18	102	115	111	147	21	117	e4.5	15	118	161	159	144
19	104	115	114	150	21	116	e12	13	120	156	151	144
20	147	112	115	149	21	127	11	7.5	112	154	147	145
21	92	113	117	151	20	106	7.8	7.2	100	144	145	153
22	91	113	117	151	20	111	5.4	7.1	117	143	145	154
23	106	113	118	151	20	128	4.5	6.5	140	144	146	145
24	110	113	117	158	21	91	4.9	8.2	149	143	145	145
25	75	114	117	165	25	67	41	14	147	144	147	144
26	99	127	117	165	24	95	86	59	144	142	147	146
27	118	117	118	166	24	114	73	65	142	141	145	152
28	110	128	118	146	24	115	32	65	156	140	144	152
29	90	135	122	163	---	81	13	58	171	140	143	148
30	115	133	123	160	---	82	8.6	64	164	140	142	146
31	80	---	121	155	---	79	---	67	---	139	143	---
<b>Total</b>	3,217	3,467	3,746	4,390	2,367	3,332	1,739.3	949.3	3,044	4,644	4,486	4,367
<b>Mean</b>	104	116	121	142	84.5	107	58.0	30.6	101	150	145	146
<b>Max</b>	147	135	133	166	153	128	137	83	171	163	160	154
<b>Min</b>	75	87	111	122	20	52	4.5	4.1	48	139	133	142
<b>Ac-ft</b>	6,380	6,880	7,430	8,710	4,690	6,610	3,450	1,880	6,040	9,210	8,900	8,660

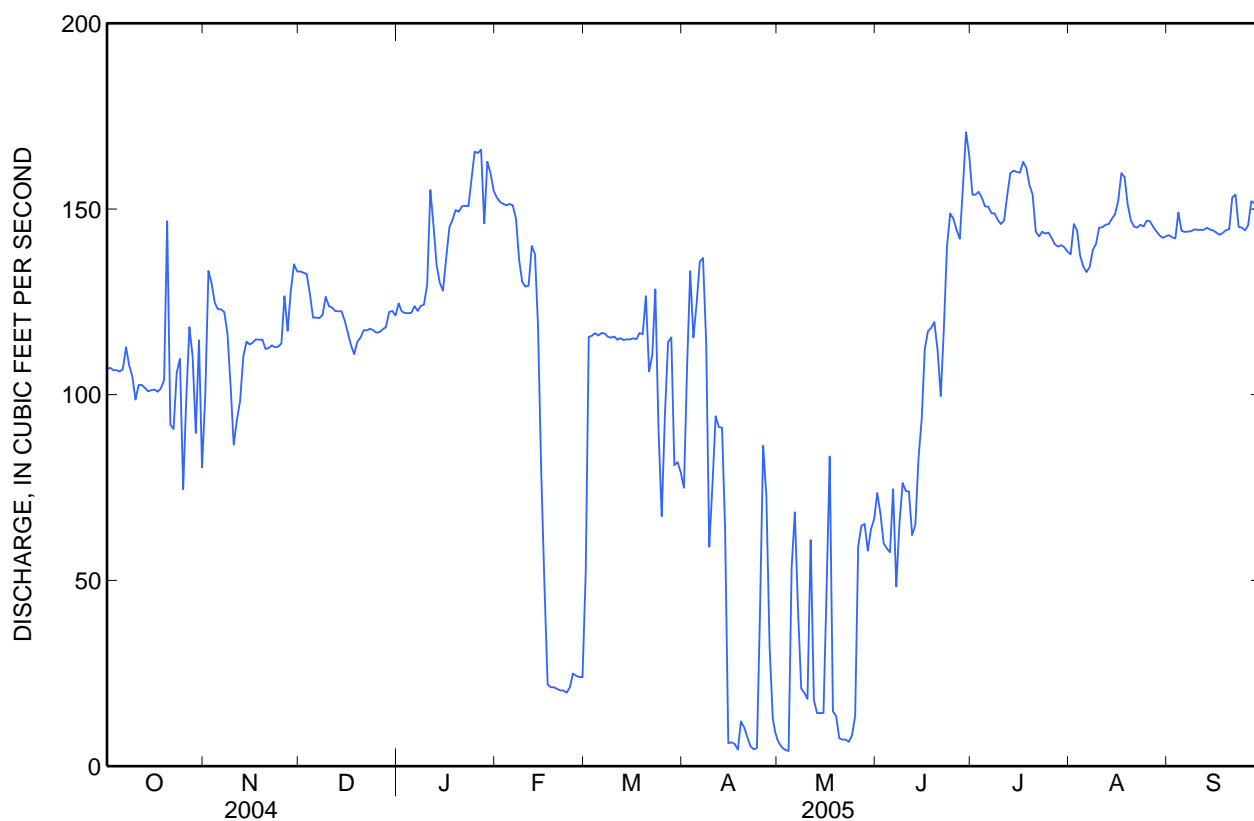
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	155	144	143	145	144	134	119	112	141	154	150	158
<b>Max</b>	253	223	230	292	274	258	251	210	258	253	242	245
<b>(WY)</b>	(1985)	(1986)	(1986)	(1985)	(1985)	(1952)	(1952)	(1989)	(1991)	(1984)	(1983)	(1985)
<b>Min</b>	78.7	64.9	75.2	54.2	27.4	58.3	31.3	25.5	56.0	68.3	68.3	63.5
<b>(WY)</b>	(1964)	(1964)	(1993)	(1993)	(2000)	(1962)	(1986)	(1964)	(1995)	(1961)	(1963)	(1963)

10171000 JORDAN RIVER AT SALT LAKE CITY, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1944 - 2005	
<b>Annual total</b>	38,220		39,748.6			
<b>Annual mean</b>	104		109		142	
<b>Highest annual mean</b>					223	1985
<b>Lowest annual mean</b>					92.3	1964
<b>Highest daily mean</b>	147	Oct 20	171	Jun 29	337	Jun 25, 1952
<b>Lowest daily mean</b>	29	Jan 29	4.1	May 4	0.00	May 10, 1952
<b>Annual seven-day minimum</b>	38	Mar 8	7.2	Apr 18	0.00	May 14, 1964
<b>Annual runoff (ac-ft)</b>	75,810		78,840		102,600	
<b>10 percent exceeds</b>	125		151		192	
<b>50 percent exceeds</b>	107		118		141	
<b>90 percent exceeds</b>	79		21		92	





Water-Data Report UT-2005

**10170490 JORDAN RIVER AT SALT LAKE CITY, UT**

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

Jordan River Basin

**DISCHARGE, CUBIC FEET PER SECOND  
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005  
DAILY MEAN VALUES**

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	223	495	243	292	245	250	421	461	905	739	325	294
2	214	364	244	263	239	251	394	448	1,270	935	395	285
3	201	357	234	258	236	254	381	434	1,500	1,090	398	276
4	201	350	236	265	235	255	443	424	1,290	956	347	427
5	193	339	237	270	244	258	444	466	1,260	790	332	341
6	214	340	237	290	245	260	377	526	2,100	729	324	318
7	318	333	229	263	329	261	404	552	1,250	684	321	293
8	239	363	239	259	290	250	698	524	855	680	293	314
9	222	547	279	262	236	251	603	493	788	684	291	328
10	208	432	254	317	228	252	476	581	653	630	370	378
11	202	354	249	568	236	246	408	926	571	618	362	370
12	194	372	244	455	331	249	357	538	955	613	363	370
13	185	325	240	338	293	251	357	574	677	532	359	379
14	188	292	240	299	286	252	390	614	486	565	402	371
15	181	286	244	286	401	248	409	654	529	575	413	368
16	171	290	239	274	312	255	402	707	743	590	417	360
17	163	285	238	267	275	247	420	1,200	783	652	459	359
18	182	283	242	254	269	269	464	678	875	625	451	378
19	197	273	240	246	271	259	616	729	975	531	400	394
20	778	249	242	242	287	478	632	858	838	443	365	400
21	822	253	242	239	282	347	476	1,040	905	328	345	526
22	393	248	230	229	264	296	429	894	900	303	353	630
23	322	245	236	229	257	535	376	1,310	1,290	285	347	451
24	620	246	239	224	254	647	449	1,670	1,350	272	348	460
25	645	252	222	218	256	540	463	1,510	1,230	295	368	452
26	478	380	228	216	254	431	481	1,140	856	248	344	427
27	343	276	238	315	255	372	523	1,100	783	239	342	487
28	518	305	235	295	259	466	741	1,060	818	239	342	546
29	481	259	301	337	---	534	759	1,020	772	276	306	433
30	375	241	285	297	---	550	502	1,820	758	306	289	407
31	740	---	258	257	---	498	---	1,410	---	283	289	---
<b>Total</b>	10,411	9,634	7,564	8,824	7,569	10,512	14,295	26,361	28,965	16,735	11,060	11,822
<b>Mean</b>	336	321	244	285	270	339	476	850	966	540	357	394
<b>Max</b>	822	547	301	568	401	647	759	1,820	2,100	1,090	459	630
<b>Min</b>	163	241	222	216	228	246	357	424	486	239	289	276
<b>Ac-ft</b>	20,650	19,110	15,000	17,500	15,010	20,850	28,350	52,290	57,450	33,190	21,940	23,450

**10170490 JORDAN RIVER AT SALT LAKE CITY, UT  
 COMBINED DISCHARGE, IN CUBIC FEET PER SECOND, OF JORDAN RIVER AND SURPLUS CANAL**

	<b>Calendar Year 2004</b>	<b>Water Year 2005</b>
<b>Total</b>	119,276	163,752
<b>Mean</b>	326	449
<b>Max</b>	907	2,100
<b>Min</b>	163	163
<b>Ac-ft</b>	236,600	324,800



Water-Data Report UT-2005

**10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT**

(Hydrologic bench mark station)

Jordan River Basin

LOCATION.--Lat 40°46'48", long 111°48'19" referenced to North American Datum of 1927, in NE ¼ SE ¼ NW ¼ 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<sup>2</sup>.

**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<sup>3</sup>/s, May 28, 1983, maximum gage height, 3.81 ft, May 17, 1984; minimum, 0.17 ft<sup>3</sup>/s, Nov 20, 1992, possible ice jam upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10 ft<sup>3</sup>/s and (or) maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 11	1745	*51	*3.38

Minimum discharge, 0.75 ft<sup>3</sup>/s, Jan 5.



## 10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT—Continued

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**  
**DAILY MEAN VALUES**

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.2	1.6	1.4	1.5	1.8	1.8	5.0	13	13	5.7	3.0	1.9
2	1.2	1.6	1.4	1.5	1.7	1.8	5.8	12	13	5.5	3.1	1.9
3	1.2	1.6	1.3	1.5	1.8	1.9	6.4	12	12	5.4	3.0	1.9
4	1.2	1.6	1.4	1.5	1.6	2.0	7.2	12	12	5.2	2.9	1.9
5	1.2	1.6	1.4	1.1	1.6	2.0	7.3	12	11	5.1	2.8	1.8
6	1.2	1.6	1.4	1.2	1.6	2.0	7.2	12	12	5.0	2.8	1.8
7	1.2	1.6	1.4	1.4	1.6	2.1	7.7	12	12	4.9	2.7	1.8
8	1.2	1.6	1.4	1.5	e1.5	2.1	10	12	11	4.7	2.7	1.8
9	1.2	1.7	1.9	1.5	e1.6	2.2	11	11	11	4.5	2.7	1.8
10	1.2	1.7	1.7	e1.8	e1.6	2.3	9.6	13	10	4.5	2.6	1.8
11	1.2	1.8	1.7	e1.8	1.6	2.4	8.8	22	9.9	4.4	2.6	1.9
12	1.2	1.7	1.7	e1.6	1.8	2.5	8.5	19	10	4.3	2.5	1.9
13	1.2	1.7	1.7	e1.6	1.7	2.6	8.6	23	9.5	4.1	2.5	1.9
14	1.2	1.6	1.7	e1.7	1.8	2.6	8.9	23	9.1	4.0	2.5	1.9
15	1.2	1.6	1.7	e1.8	1.7	2.6	8.9	21	8.8	3.9	2.4	1.9
16	1.2	1.6	1.7	1.8	1.7	2.6	8.9	21	8.5	3.8	2.6	1.8
17	1.3	1.6	1.6	1.8	e1.7	2.5	9.0	22	8.2	3.8	2.6	1.8
18	1.4	1.5	1.6	1.8	e1.7	2.4	9.7	21	8.1	3.7	2.5	1.7
19	1.4	1.5	1.6	1.7	1.7	2.3	10	21	8.0	3.6	2.5	1.7
20	1.8	1.5	1.6	1.7	1.9	2.8	10	20	7.8	3.5	2.4	1.7
21	1.8	1.5	e1.5	1.7	1.8	2.6	9.5	19	7.6	3.4	2.4	1.8
22	1.6	1.5	e1.4	1.7	1.8	2.7	9.1	19	7.3	3.4	2.3	1.8
23	1.7	1.5	e1.3	1.7	1.8	3.6	9.0	18	7.3	3.4	2.3	1.8
24	2.2	1.5	1.4	1.7	1.8	4.2	11	17	7.1	3.3	2.3	1.8
25	1.9	1.5	1.4	1.8	1.8	3.9	12	17	6.9	3.3	2.2	1.8
26	1.8	1.5	1.4	1.8	1.8	3.8	12	16	6.7	3.2	2.2	1.8
27	1.7	1.5	1.4	1.8	1.8	4.2	12	16	6.4	3.1	2.1	1.8
28	1.8	1.5	1.4	1.8	1.8	5.0	13	15	6.2	3.0	2.1	1.8
29	1.7	e1.3	1.6	1.8	---	5.0	14	15	6.2	3.0	2.0	1.7
30	1.6	e1.4	1.5	1.8	---	4.9	13	15	5.9	3.0	1.9	1.7
31	1.7	---	1.5	1.8	---	4.7	---	14	---	3.0	1.9	---
<b>Total</b>	44.6	47.0	47.1	51.2	48.1	90.1	283.1	515	272.5	124.7	77.1	54.4
<b>Mean</b>	1.44	1.57	1.52	1.65	1.72	2.91	9.44	16.6	9.08	4.02	2.49	1.81
<b>Max</b>	2.2	1.8	1.9	1.8	1.9	5.0	14	23	13	5.7	3.1	1.9
<b>Min</b>	1.2	1.3	1.3	1.1	1.5	1.8	5.0	11	5.9	3.0	1.9	1.7
<b>Ac-ft</b>	88	93	93	102	95	179	562	1,020	541	247	153	108

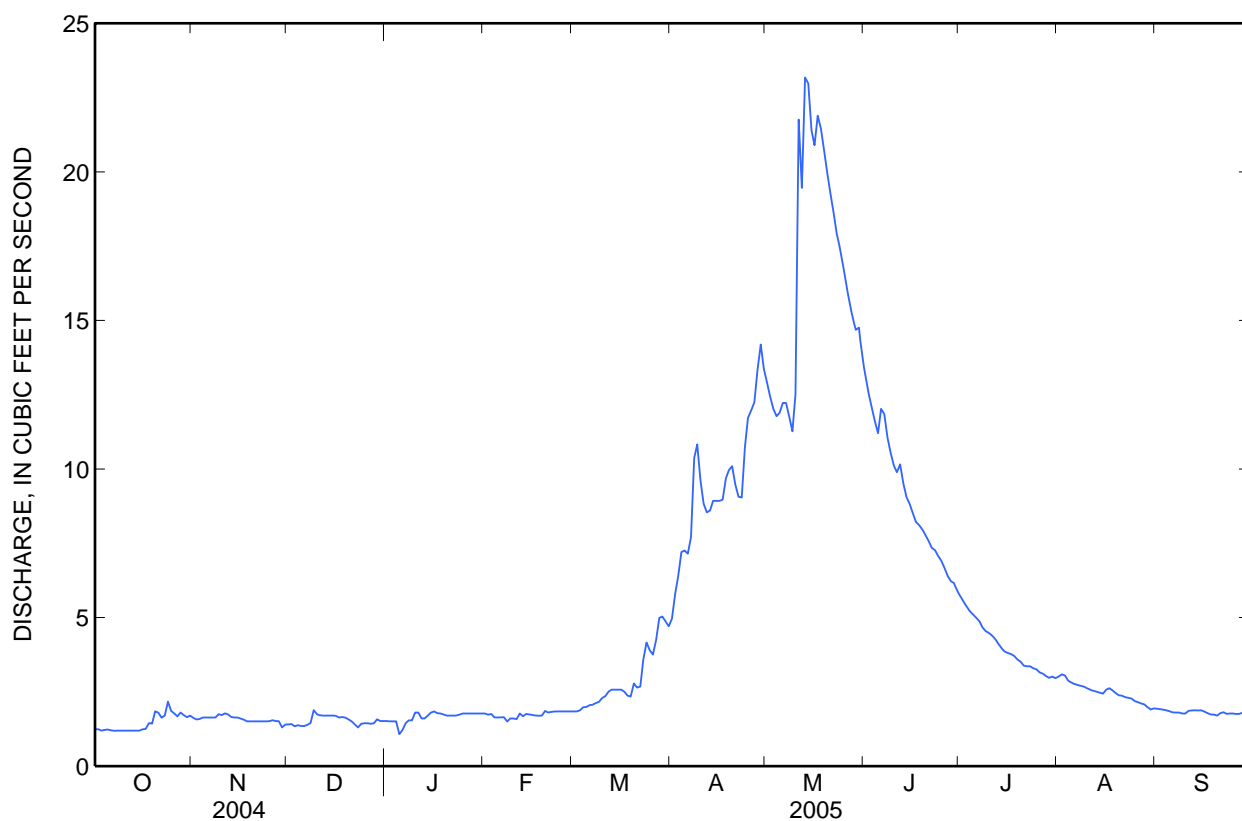
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
<b>Mean</b>	1.91	1.98	1.89	1.92	2.32	4.49	9.07	12.5	6.59	3.28	2.12	1.80
<b>Max</b>	3.86	3.53	3.37	3.46	7.00	12.8	22.2	50.5	29.7	9.22	5.77	4.10
<b>(WY)</b>	(1984)	(1984)	(1984)	(1971)	(1986)	(1983)	(1986)	(1983)	(1983)	(1983)	(1983)	(1983)
<b>Min</b>	0.66	0.91	0.91	0.83	1.00	1.06	1.79	1.55	0.95	0.60	0.44	0.47
<b>(WY)</b>	(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

	Calendar Year 2004		Water Year 2005		Water Years 1964 - 2005	
<b>Annual total</b>	977.25		1,654.9			
<b>Annual mean</b>	2.67		4.53		4.17	
<b>Highest annual mean</b>					12.5	1983
<b>Lowest annual mean</b>					1.12	1990
<b>Highest daily mean</b>	12	Mar 24	23	May 13	95	May 28, 1983
<b>Lowest daily mean</b>	0.90	Feb 12	1.1	Jan 5	0.38	Aug 9, 1990
<b>Annual seven-day minimum</b>	0.97	Feb 8	1.2	Oct 1	0.39	Sep 10, 1990
<b>Annual runoff (ac-ft)</b>	1,940		3,280		3,020	
<b>10 percent exceeds</b>	7.1		12		9.6	
<b>50 percent exceeds</b>	1.5		1.9		2.4	
<b>90 percent exceeds</b>	1.1		1.4		1.1	



## 10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT—Continued

## 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 2004 TO SEPTEMBER 2005**

Part 1 of 2

[Remark codes: &lt;, less than; E, estimated.]

Date	Time	Instan- taneous dis- charge, cfs (00061)	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Alka- linity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicar- bonate, wat flt incrm. titr., field, mg/L (00453)	Carbon- ate, wat flt incrm. titr., field, mg/L (00452)	Chlor- ide, water, fltrd, mg/L (00940)
<b>Nov</b> 22...	1400	1.5	633	11.2	97	8.2	676	4.5	1.9	244	291	4	11.4
<b>Jan</b> 19...	1300	1.8	644	11.3	99	8.2	683	9.0	2.8	231	268	6	12.3
<b>Mar</b> 22...	1030	2.3	629	10.8	98	8.5	637	8.0	3.3	237	273	8	10.6
<b>May</b> 20...	1130	19	632	10.2	106	8.5	503	25.0	8.9	217	264	--	7.84
<b>Jul</b> 20...	1300	3.9	635	8.4	95	8.4	570	34.0	12.9	220	264	2	9.43
<b>Sep</b> 07...	1330	1.9	638	8.4	94	8.3	585	30.5	12.1	216	264	--	9.92

## 10172200 RED BUTTE CREEK AT FORT DOUGLAS, NEAR SALT LAKE CITY, UT—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Part 2 of 2

[Remark codes: &lt;, less than; E, estimated.]

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)	Total nitro- gen, wat unf by anal ysis, mg/L (62855)	Ortho- phos- phate, water, fltrd, mg/L (00660)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, unfltrd mg/L (00665)	Sus- pended sedi- ment concen- tration mg/L (80154)	Sus- pended sedi- ment dis- charge, tons/d (80155)
<b>Nov</b> 22...	120	<.04	<.06	<.008	E.04	.058	.019	.027	--	--
<b>Jan</b> 19...	128	<.04	<.06	<.008	.09	.055	.018	.026	126	.60
<b>Mar</b> 22...	104	<.04	<.06	<.008	.12	.037	.012	.030	138	.87
<b>May</b> 20...	44.0	<.04	E.03	<.008	.38	.064	.021	.140	167	8.5
<b>Jul</b> 20...	68.6	<.04	<.06	<.008	.11	.028	.009	.025	99	1.0
<b>Sep</b> 07...	83.0	<.04	E.04	<.008	.07	.021	.007	.018	56	.29

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Date	Time	Instan- taneous dis- charge, cfs (00061)	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Biomass peri- phyton, ashfree drymass g/m2 (49954)	Peri- phyton biomass ash weight, g/m2 (00572)	Peri- phyton biomass dry weight, g/m2 (00573)	Biomass chloro- phyll ratio, peri- phyton, number (70950)	Pheo- phytin a, peri- phyton, mg/m2 (62359)	Chloro- phyll a peri- phyton, chromo- fluoro, mg/m2 (70957)
<b>Aug</b> 08...	1015	3.1	8.7	8.5	557	11.7	3.7	77	80.40	507	1.6	7.5