10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT

Sevier Lake Basin

LOCATION.--Lat 37°37′22″, long 112°30′58″ referenced to North American Datum of 1927, in SW ¼ SE ¼ NW ¼ sec.3, T.37 S., R.6 W., Garfield County, Hydrologic Unit 16030001, on left bank 0.5 mi upstream from West Hatch ditch diversion, 2.1 mi west of Spring Hollow, 4.5 mi upstream from mouth, and 5 mi southwest of Hatch.

DRAINAGE AREA.--105 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1964 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,300 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. One small diversion for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,390 ft³/s, Jun 3, 2005, gage height, 5.89 ft, minimum daily, 0.40 ft³/s, Nov 29, Dec 4, 5, 8, 22, 23, 24, and 25, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Jun 03	0600	*1,390	*5.89
Aug 15	2115	294	3.38
Aug 19	1630	351	3.62

Minimum daily discharge, 7.7 ft³/s, on several days in Oct.

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, 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	e7.7	e12	e12	e12	e11	e10	13	73	892	599	161	94
2	e7.7	e11	e14	e12	e11	e10	14	73	955	580	159	92
3	e7.7	e11	e13	e12	e11	10	15	78	1,080	570	155	90
4	e7.7	11	e12	e12	e11	10	16	87	865	557	151	88
5	e7.7	11	e12	e12	e12	10	16	108	820	536	166	86
6	e7.7	10	e13	e12	e11	10	16	141	857	524	158	85
7	e7.7	11	e12	e11	e12	10	19	136	852	510	146	84
8	e7.7	22	e12	e12	e11	11	24	137	802	496	151	83
9	e7.7	24	e12	e13	e11	11	25	152	805	481	148	82
10	e7.8	21	e12	e14	e11	12	24	170	758	466	144	82
11	e7.8	19	e12	e13	e12	13	24	170	793	449	161	81
12	e7.7	18	e12	e12	e12	14	24	168	750	429	148	80
13	e7.8	17	e12	e12	e11	e14	27	173	723	417	153	80
14	e7.9	17	e12	e12	e11	e14	30	203	761	398	148	80
15	e8.1	16	e12	e12	11	e14	35	221	816	379	163	79
16	e8.0	15	e12	e12	10	e14	42	295	852	358	151	77
17	e8.1	15	e12	e12	10	14	51	386	836	332	134	78
18	e8.1	14	e12	e12	11	14	62	453	837	305	127	77
19	e8.1	14	e12	e11	11	14	71	506	821	251	159	75
20	e8.1	14	e12	e11	11	15	73	607	806	214	133	74
21	e24	e13	e12	e11	11	14	69	683	782	202	128	74
22	41	e13	e13	e11	11	13	64	702	754	194	130	73
23	32	e13	e14	e11	11	14	64	737	749	194	121	71
24	19	e13	e14	e11	11	14	82	806	737	204	114	70
25	16	e13	e13	e11	11	e13	84	823	708	205	111	70
26	15	13	e12	e11	e10	e13	82	835	679	196	107	69
27	15	13	e12	e11	e10	13	82	857	660	178	102	69
28	15	15	e11	11	e10	13	81	823	650	170	98	70
29	14	e15	e13	11	---	14	78	890	625	167	96	69
30	13	e13	e12	11	---	14	75	892	610	164	95	68
31	12	---	e12	e11	---	e13	---	866	---	159	94	---
Total	372.8	437	382	362	307	392	1,382	13,251	23,635	10,884	4,212	2,350
Mean	12.0	14.6	12.3	11.7	11.0	12.6	46.1	427	788	351	136	78.3
Max	41	24	14	14	12	15	84	892	1,080	599	166	94
Min	7.7	10	11	11	10	10	13	73	610	159	94	68
Ac-ft	739	867	758	718	609	778	2,740	26,280	46,880	21,590	8,350	4,660

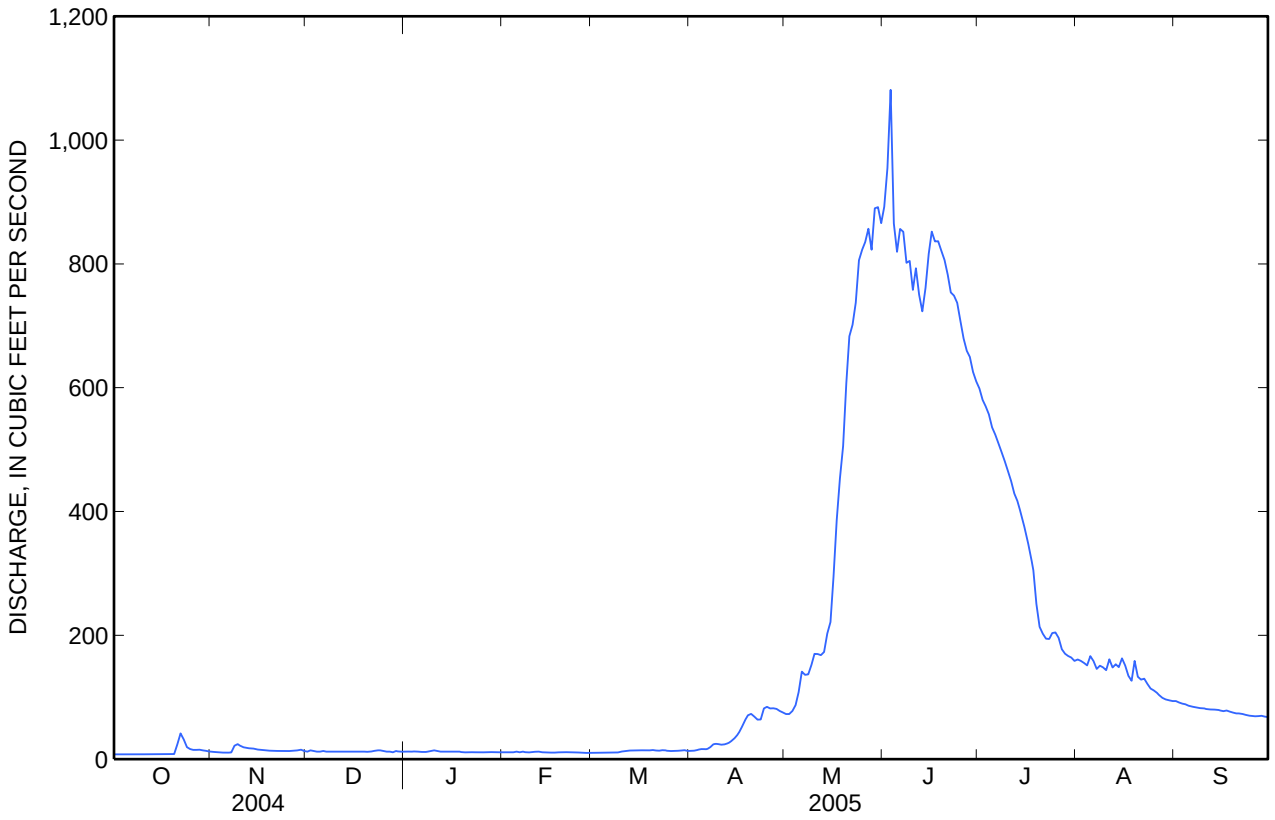
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	19.9	16.6	13.0	11.1	10.8	12.4	28.3	177	175	63.0	33.6	25.4
Max	56.8	44.5	34.9	24.2	23.0	24.7	75.4	427	788	351	136	78.3
(WY)	(1984)	(1984)	(1984)	(1984)	(1973)	(1973)	(1985)	(2005)	(2005)	(2005)	(2005)	(2005)
Min	3.04	2.88	0.61	1.01	1.30	2.47	5.57	9.69	5.17	2.97	1.46	2.62
(WY)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(1977)	(2002)	(2002)	(2002)	(2002)

10173450 MAMMOTH CREEK ABOVE WEST HATCH DITCH, NEAR HATCH, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1965 - 2005	
Annual total	9,100.52		57,966.8			
Annual mean	24.9		159		49.0	
Highest annual mean					159	2005
Lowest annual mean					8.11	2002
Highest daily mean	304	May 9	1,080	Jun 3	1,080	Jun 3, 2005
Lowest daily mean	0.80	Feb 13	7.7	Oct 1	0.40	Nov 29, 2002
Annual seven-day minimum	0.87	Feb 13	7.7	Oct 1	0.44	Dec 21, 2002
Annual runoff (ac-ft)	18,050		115,000		35,510	
10 percent exceeds	51		681		116	
50 percent exceeds	11		19		18	
90 percent exceeds	1.7		11		6.8	



10174500 SEVIER RIVER AT HATCH, UT

Sevier Lake Basin

LOCATION.--Lat 37°39′04″, long 112°25′46″ referenced to North American Datum of 1927, in SW ¼ SW ¼ NW ¼ sec.28, T.36 S., R.5 W., Garfield County, Hydrologic Unit 16030001, on right bank 15 ft upstream of county road bridge, 0.2 mi east of Hatch, and 2.8 mi downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 1911 to September 1928, June 1939 to current year. Monthly discharge only for some periods, published in WSP 1314. Published as "near Hatchtown" 1911 and as "near Hatch" 1912.

REVISED RECORDS.--WSP 960: 1939-40. WSP 1284: 1916. WSP 1564: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage installed November 9, 1995. Elevation of gage is 6,870 ft above NGVD of 1929, from river-profile map. Prior to August 23, 1914 at sites about 2 mi upstream. August 23, 1914 to August 22, 1978 at various sites within 300 feet of current site, different datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Some diversions for irrigation upstream of station. No regulation since Hatchtown Dam failed in 1914.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined, occurred May 25, 1914, when Hatchtown Dam failed; maximum recorded, 1,990 ft³/s, Jun 3, 2005, gage height, 4.77 ft; minimum daily, 10 ft³/s, for several days in 1912 when water was stored in Hatchtown Reservoir. Minimum natural daily discharge, 21 ft³/s, Sep 8, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan 11	1835	532	2.44
Jun 03	1230	*1,990	*4.77
Aug 16	0115	635	2.70

Minimum daily discharge, 40 ft³/s, Oct 6, 7.

10174500 SEVIER RIVER AT HATCH, 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	43	63	e65	66	73	80	93	479	1,390	844	321	195
2	41	62	e65	69	74	79	99	488	1,460	830	325	192
3	41	61	e65	69	74	82	111	518	1,740	818	329	187
4	41	62	e65	69	73	80	124	552	1,370	807	323	187
5	41	61	66	67	73	82	120	595	1,240	791	320	187
6	40	60	70	65	73	91	123	707	1,260	783	317	182
7	40	61	71	e65	79	100	141	726	1,230	775	295	177
8	41	127	71	e65	72	101	179	679	1,170	763	327	173
9	41	147	70	67	72	110	204	700	1,160	742	327	174
10	42	123	69	107	71	119	183	753	1,110	721	302	173
11	41	106	69	300	78	123	177	742	1,140	710	319	168
12	41	100	69	193	77	125	177	717	1,110	694	294	170
13	41	98	69	136	80	128	205	715	1,060	670	298	169
14	42	93	69	100	89	116	231	772	1,060	658	292	168
15	42	88	68	91	95	107	270	814	1,100	641	312	165
16	41	86	66	86	99	108	302	934	1,150	629	383	162
17	42	83	63	85	96	105	366	1,110	1,130	e624	288	163
18	44	82	65	80	96	105	440	1,160	1,140	e600	275	163
19	47	81	64	79	108	106	511	1,220	1,110	e580	302	163
20	101	80	66	79	98	108	480	1,430	1,100	e554	277	162
21	290	80	67	78	89	103	430	1,560	1,070	e448	263	162
22	143	83	65	76	88	100	430	1,450	1,050	e420	264	163
23	113	80	e64	76	87	108	443	1,490	1,030	e380	248	159
24	84	79	e64	77	85	107	596	1,710	1,020	e380	231	154
25	75	79	e64	78	83	105	607	1,720	1,000	e396	224	152
26	71	78	63	79	81	96	540	1,610	958	e395	217	152
27	70	77	64	80	79	96	555	1,660	916	e380	210	154
28	79	77	65	79	80	100	543	1,520	893	349	207	157
29	71	e74	88	79	---	104	509	1,560	874	336	203	153
30	68	e66	73	77	---	103	482	1,560	860	331	200	149
31	66	---	70	74	---	95	---	1,430	---	322	196	---
Total	2,023	2,497	2,092	2,791	2,322	3,172	9,671	33,081	33,901	18,371	8,689	5,035
Mean	65.3	83.2	67.5	90.0	82.9	102	322	1,067	1,130	593	280	168
Max	290	147	88	300	108	128	607	1,720	1,740	844	383	195
Min	40	60	63	65	71	79	93	479	860	322	196	149
Ac-ft	4,010	4,950	4,150	5,540	4,610	6,290	19,180	65,620	67,240	36,440	17,230	9,990

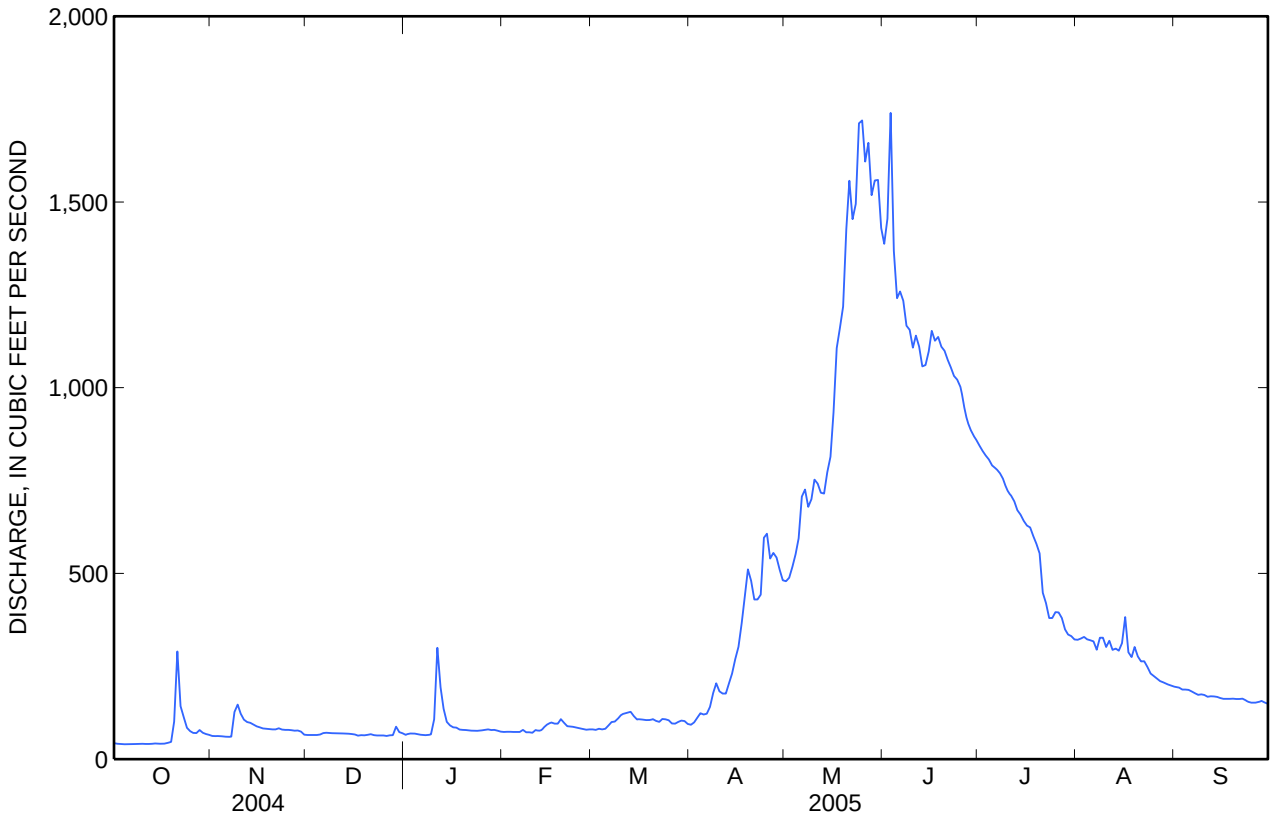
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 – 28, 1940 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	75.0	73.3	67.2	62.1	65.2	74.9	127	339	266	123	90.7	79.0
Max	246	149	150	128	130	159	465	1,067	1,130	593	280	168
(WY)	(1917)	(1917)	(1922)	(1923)	(1922)	(1916)	(1916)	(2005)	(2005)	(2005)	(2005)	(2005)
Min	36.6	36.9	36.2	37.0	36.6	38.5	39.7	40.0	33.3	32.5	30.4	28.3
(WY)	(2004)	(1978)	(1957)	(2003)	(1978)	(1957)	(2003)	(2002)	(2002)	(2002)	(1977)	(1977)

10174500 SEVIER RIVER AT HATCH, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1915 - 28, 1940 - 2005	
Annual total	23,708		123,645			
Annual mean	64.8		339		121	
Highest annual mean					339	2005
Lowest annual mean					42.6	1977
Highest daily mean	317	May 9	1,740	Jun 3	1,740	Jun 3, 2005
Lowest daily mean	33	Jan 23	40	Oct 6	0.00	Jul 31, 1927
Annual seven-day minimum	33	Jan 22	41	Oct 2	23	Aug 30, 1977
Annual runoff (ac-ft)	47,020		245,200		87,470	
10 percent exceeds	106		1,050		232	
50 percent exceeds	47		136		74	
90 percent exceeds	38		65		44	



10183500 SEVIER RIVER NEAR KINGSTON, UT

Sevier Lake Basin

LOCATION.--Lat 38°12′22″, long 112°12′25″ referenced to North American Datum of 1927, in SE ¼ NE ¼ NW ¼ sec.16, T.30 S., R.3 W., Piute County, Hydrologic Unit 16030001, on left bank 1,000 ft upstream from bridge on State Highway 62, 1.1 mi west of Kingston, and 1.9 mi upstream of East Fork Sevier River.

DRAINAGE AREA.--1,131 mi^2.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WDR UT-78-1: Drainage area.

PERIOD OF RECORD.--June 1914 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since July 10, 2000. Concrete control since September 20, 1918. Elevation of gage is 5,980 ft above NGVD of 1929, from river-profile map. Prior to September 20, 1918, at site 1 mi downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Many irrigation diversions upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 3,000 ft^3/s (including estimated flow of 360 ft^3/s in overflow channel bypassing station), Mar 4, 1938, gage height, 5.20 ft, from rating curve extended above 600 ft^3/s; minimum daily discharge, 1.6 ft^3/s, Jul 24, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,830 ft^3/s, Jun 4, gage height, 5.67 ft; minimum daily discharge, 7.5 ft^3/s, Oct 7.

10183500 SEVIER RIVER NEAR KINGSTON, 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	8.2	89	130	161	159	166	159	562	1,440	720	225	159
2	8.4	74	135	154	154	163	141	570	1,400	669	240	160
3	8.4	74	140	154	153	164	143	554	1,650	599	276	151
4	8.0	85	137	156	150	165	157	567	1,740	572	257	179
5	7.9	82	146	154	150	164	174	623	1,620	560	287	179
6	7.6	82	150	149	149	168	171	717	1,440	544	281	183
7	7.5	85	143	141	155	175	186	861	1,400	531	247	173
8	7.6	179	151	135	155	187	236	835	1,370	508	222	167
9	8.1	474	152	148	149	189	321	765	1,300	497	244	162
10	11	336	154	172	145	207	327	736	1,260	487	242	156
11	12	247	152	301	151	214	278	759	1,210	474	314	154
12	12	203	150	542	166	216	255	732	1,310	465	293	141
13	11	187	150	338	190	242	270	669	1,240	449	292	134
14	11	171	150	230	191	237	326	672	1,150	443	276	131
15	11	171	150	203	225	189	369	718	1,080	439	278	119
16	9.7	190	148	186	205	174	408	797	1,080	433	387	113
17	11	175	144	178	191	166	460	889	1,130	417	389	114
18	12	169	142	177	183	160	499	960	1,110	392	312	121
19	13	164	144	170	190	162	549	1,020	1,090	365	282	124
20	13	164	144	170	207	172	572	1,030	1,060	304	289	119
21	120	158	145	170	195	176	547	1,150	1,060	261	253	137
22	374	165	138	168	184	170	520	1,210	1,070	260	236	139
23	155	166	132	165	182	168	508	e1,280	1,100	266	241	129
24	114	158	117	167	179	174	539	e1,350	1,010	242	219	121
25	102	156	128	167	173	176	631	e1,360	972	243	217	123
26	95	160	133	169	169	169	615	e1,390	926	309	236	125
27	81	157	137	189	165	162	630	e1,390	847	301	200	128
28	110	161	148	184	163	162	713	e1,390	804	268	187	142
29	113	147	173	179	---	168	648	e1,380	778	217	176	133
30	109	138	269	173	---	181	577	e1,400	727	198	160	131
31	104	---	175	163	---	182	---	e1,470	---	197	168	---
Total	1,675.4	4,967	4,607	5,913	4,828	5,568	11,929	29,806	35,374	12,630	7,926	4,247
Mean	54.0	166	149	191	172	180	398	961	1,179	407	256	142
Max	374	474	269	542	225	242	713	1,470	1,740	720	389	183
Min	7.5	74	117	135	145	160	141	554	727	197	160	113
Ac-ft	3,320	9,850	9,140	11,730	9,580	11,040	23,660	59,120	70,160	25,050	15,720	8,420

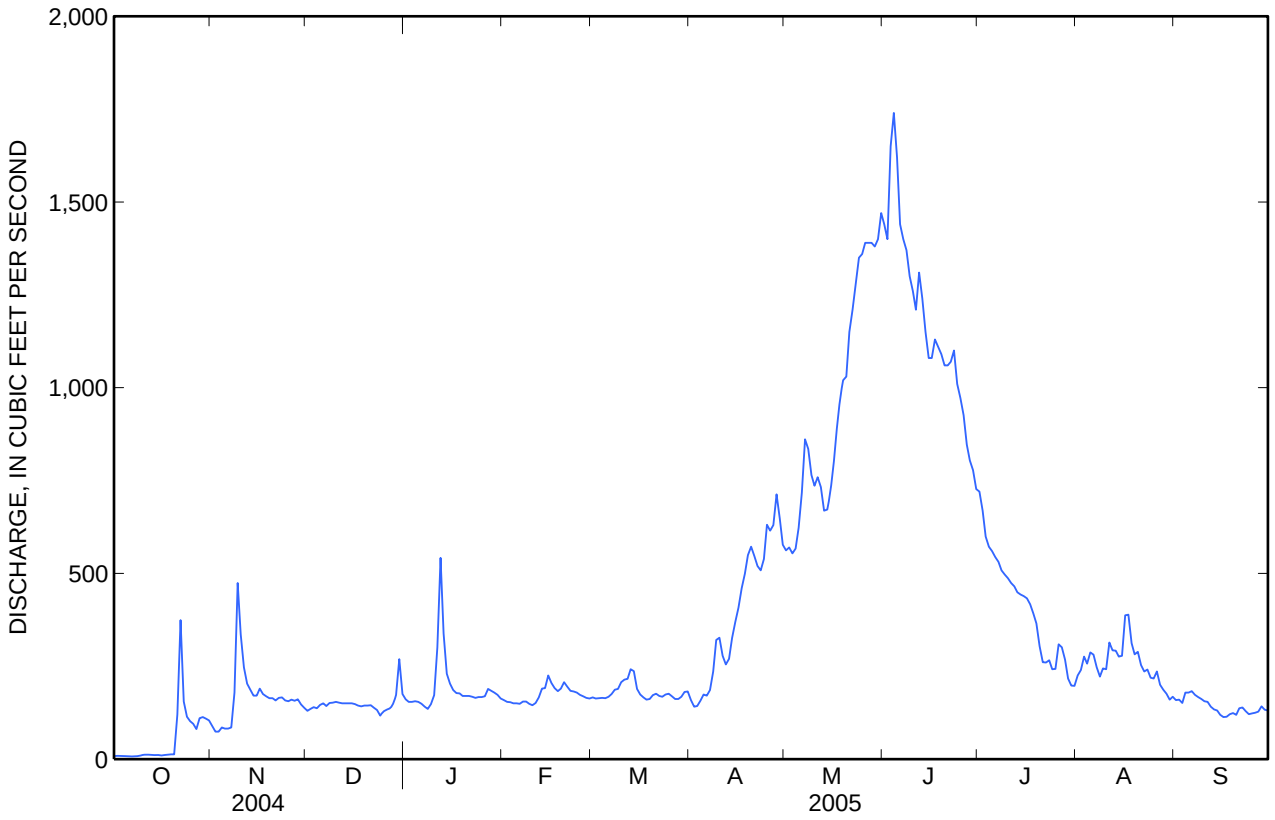
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	82.1	131	145	136	155	169	151	225	161	50.8	52.3	60.1
Max	319	237	252	218	259	330	507	1,154	1,179	407	315	232
(WY)	(1917)	(1984)	(1984)	(1984)	(1924)	(1921)	(1916)	(1922)	(2005)	(2005)	(1916)	(1921)
Min	6.90	29.6	34.2	45.0	74.7	65.5	14.6	8.73	7.44	4.89	5.36	7.01
(WY)	(1961)	(1932)	(1932)	(1932)	(1932)	(1957)	(2003)	(1959)	(1974)	(1971)	(1960)	(1960)

10183500 SEVIER RIVER NEAR KINGSTON, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1915 - 2005	
Annual total	24,524.8		129,470.4			
Annual mean	67.0		355		126	
Highest annual mean					359	1922
Lowest annual mean					49.4	1991
Highest daily mean	474	Nov 9	1,740	Jun 4	1,740	Jun 4, 2005
Lowest daily mean	7.5	Oct 7	7.5	Oct 7	1.6	Jul 24, 1963
Annual seven-day minimum	7.9	Oct 3	7.9	Oct 3	2.9	Jul 22, 1963
Annual runoff (ac-ft)	48,640		256,800		91,500	
10 percent exceeds	148		1,010		225	
50 percent exceeds	18		179		112	
90 percent exceeds	8.1		114		12	



10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

Sevier Lake Basin

LOCATION.--Lat 38°11′47″, long 112°08′49″ referenced to North American Datum of 1927, in NE ¼ SE ¼ SW ¼ sec.13, T.30 S., R.3 W., Piute County, Hydrologic Unit 16030002, on right bank about 2,200 ft upstream from bridge on State Highway 62, 2.3 mi east of Kingston, 4.7 mi upstream from mouth, and 10 mi downstream from Otter Creek Reservoir.

DRAINAGE AREA.--1,207 mi^2.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WSP 750: 1931-32. WDR UT-78-1: Drainage area.

PERIOD OF RECORD.--March 1913 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since August 1, 2001. Elevation of gage is 6,160 ft above NGVD of 1929, from river-profile map. Prior to April 29, 1914, staff gage at site 0.8 mi upstream. April 29, 1914 to June 2, 1939, water-stage recorder 4,700 ft downstream. June 3, 1939 to July 29, 1970, water-stage recorder 3,200 ft downstream. Prior to July 29, 1970 at different datums. July 30, 1970 to July 12, 1983, water-stage recorder 760 ft downstream and July 12, 1983 to April 6, 1999, about 700 ft downstream at same datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions upstream for irrigation and storage in Otter Creek Reservoir (capacity 52,700 acre-feet) 10 mi upstream; some flow regulated by reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,030 ft^3/s, May 12, 1941, gage height, 5.05 ft, from rating curve extended above 1,500 ft^3/s, site and datum then in use; minimum, 1.0 ft^3/s, Jan 25, 1976, gage height, 0.52 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,140 ft^3/s, May 25, gage height, 8.62 ft; minimum daily discharge, 8.0 ft^3/s, Dec 24.

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, 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	14	e10	e11	12	12	14	71	597	92	95	104
2	15	13	e11	e11	e11	16	13	83	534	86	92	102
3	13	14	e11	11	e10	19	13	69	608	66	92	111
4	13	13	e11	11	e10	13	13	67	587	65	89	109
5	12	13	e12	11	e10	12	13	101	527	64	94	106
6	12	13	e12	12	e10	12	13	175	499	61	91	104
7	12	13	e12	e9.0	11	12	13	327	446	62	100	105
8	11	14	e12	e9.5	11	12	12	377	421	58	97	108
9	12	16	e12	e10	12	12	13	377	385	53	93	108
10	13	15	e12	e11	12	12	14	399	351	56	97	107
11	13	15	e12	e12	11	12	13	468	326	61	94	106
12	13	14	e12	e12	12	12	12	441	289	62	93	104
13	13	14	e12	e12	15	12	11	408	241	86	90	104
14	13	14	e12	e12	13	12	11	412	166	91	89	108
15	13	13	e12	e12	13	12	35	461	168	90	92	108
16	13	13	e12	e12	12	13	40	516	174	90	92	107
17	14	13	e12	e12	12	13	37	602	170	88	88	101
18	14	13	e12	12	12	13	85	642	150	86	86	101
19	15	13	e12	12	12	13	140	637	139	87	84	97
20	15	12	e12	12	12	13	139	711	135	88	82	93
21	20	13	e12	12	12	14	71	781	133	87	77	95
22	30	13	e11	12	12	13	54	890	135	87	75	96
23	21	13	e10	12	12	13	52	1,000	151	82	73	91
24	16	13	e8.0	11	12	13	73	1,050	149	82	73	90
25	14	13	e8.5	11	12	13	120	1,070	157	85	73	90
26	14	13	e9.0	12	12	13	107	1,030	151	87	73	88
27	15	12	e9.5	14	12	13	97	941	144	89	75	89
28	19	13	e10	15	11	13	118	855	124	87	78	90
29	18	e11	e15	13	---	13	112	780	112	87	81	88
30	16	e10	e14	12	---	14	82	739	97	91	83	86
31	15	---	e11	12	---	14	---	677	---	92	99	---
Total	465	396	353.0	362.5	328	403	1,540	17,157	8,266	2,448	2,690	2,996
Mean	15.0	13.2	11.4	11.7	11.7	13.0	51.3	553	276	79.0	86.8	99.9
Max	30	16	15	15	15	19	140	1,070	608	92	100	111
Min	11	10	8.0	9.0	10	12	11	67	97	53	73	86
Ac-ft	922	785	700	719	651	799	3,050	34,030	16,400	4,860	5,340	5,940

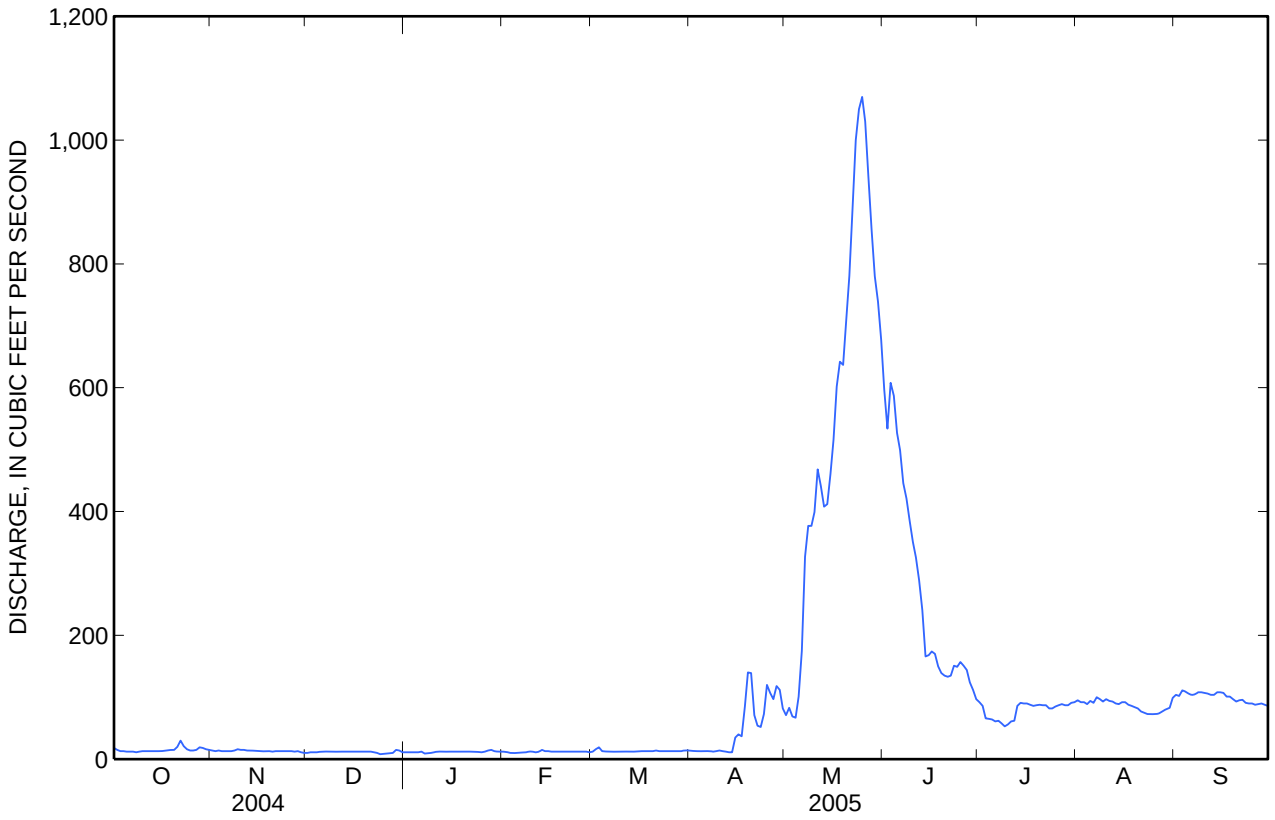
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	35.5	26.2	21.7	21.4	25.7	38.6	73.4	170	152	165	133	82.1
Max	241	151	128	156	146	171	398	1,109	551	365	335	242
(WY)	(1923)	(1985)	(1939)	(1939)	(1986)	(1983)	(1942)	(1922)	(1983)	(1915)	(1999)	(1917)
Min	9.12	8.97	8.25	7.00	7.19	11.7	15.0	28.4	28.0	31.3	18.0	18.4
(WY)	(1962)	(1965)	(1973)	(1960)	(1977)	(1956)	(1935)	(1945)	(1957)	(1936)	(1934)	(1934)

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1914 - 2005	
Annual total	21,501.5		37,404.5			
Annual mean	58.7		102		79.1	
Highest annual mean					201	1922
Lowest annual mean					33.5	1968
Highest daily mean	220	May 12	1,070	May 25	1,740	May 12, 1941
Lowest daily mean	7.0	Jan 5	8.0	Dec 24	5.5	Feb 25, 1977
Annual seven-day minimum	8.3	Jan 1	9.4	Dec 22	5.5	Feb 25, 1977
Annual runoff (ac-ft)	42,650		74,190		57,310	
10 percent exceeds	196		304		208	
50 percent exceeds	15		15		33	
90 percent exceeds	11		11		13	



10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT

Sevier Lake Basin

LOCATION.--Lat 38°34′46″, long 112°17′16″ (revised) referenced to North American Datum of 1927, in NW ¼ NW ¼ SW ¼ sec.31, T.25 S., R.4 W., Sevier County, Hydrologic Unit 16030003, on left bank, 0.4 mi upstream of diversion, 1.8 mi west of Sevier, 2.3 mi upstream from mouth, and 17.2 mi southwest of Richfield.

DRAINAGE AREA.--164 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1957 to September 2003, October 2004 to September 2005.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,680 ft above NGVD of 1929, from topographic map. Prior to November 5, 1993, 200 ft upstream at datum 3.0 ft higher.

REMARKS.--Records good except for daily discharges less than 2 ft^3/s, which are poor. Slight regulation from several small reservoirs at headwaters, total combined capacity about 1,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 906 ft^3/s, Aug 26, 1988, gage height, 2.40 ft, datum then in use, from rating curve extended above 400 ft^3/s; minimum, 0.58 ft^3/s, Nov 29, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 435 ft^3/s, May 25, gage height, 4.19 ft; minimum discharge, 0.58 ft^3/s, Nov 29.

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, 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	e11	9.8	3.4	10	14	16	38	142	278	133	45	19
2	e11	7.2	5.8	9.1	13	14	51	140	279	128	49	18
3	e12	10	7.3	11	10	16	63	173	318	124	46	23
4	e11	11	7.5	11	11	15	66	173	277	116	44	23
5	e10	10	7.8	10	12	17	60	185	253	112	42	21
6	10	10	8.4	9.5	12	17	60	206	244	105	40	19
7	10	9.9	8.6	2.6	15	19	75	193	245	99	39	17
8	9.8	16	9.4	13	11	20	93	184	235	92	38	14
9	9.7	16	11	15	7.4	22	80	197	221	86	38	14
10	9.6	13	11	17	12	26	70	221	205	82	38	13
11	10	13	10	24	15	30	65	209	203	77	37	13
12	10	12	11	8.1	15	33	74	212	200	74	36	13
13	9.9	12	11	4.5	14	42	88	198	191	72	35	14
14	9.7	12	10	7.8	14	37	91	203	185	69	37	13
15	9.7	11	11	9.3	15	30	92	217	189	64	39	13
16	9.6	11	10	11	14	30	102	237	217	60	40	12
17	9.6	11	6.8	13	13	28	122	284	220	58	35	12
18	11	10	7.7	14	14	26	143	260	220	57	33	11
19	13	9.0	6.3	14	15	26	145	272	220	54	32	11
20	14	11	8.9	15	15	30	127	328	213	52	31	12
21	30	9.4	10	16	14	28	114	340	209	52	31	16
22	25	9.9	9.5	15	15	26	112	362	210	51	29	16
23	14	9.4	7.2	16	16	28	121	376	220	48	28	14
24	15	9.0	3.1	16	15	27	146	386	200	46	27	13
25	13	11	6.0	16	14	28	151	405	188	44	26	13
26	12	12	8.2	17	15	26	149	398	175	42	24	13
27	11	10	11	18	14	27	158	373	159	41	23	15
28	14	4.6	10	17	14	36	164	362	149	46	22	17
29	11	1.5	12	16	---	47	149	346	143	45	20	16
30	11	2.2	11	16	---	43	137	340	137	45	20	15
31	12	---	11	15	---	38	---	308	---	45	20	---
Total	378.6	303.9	271.9	406.9	378.4	848	3,106	8,230	6,403	2,219	1,044	453
Mean	12.2	10.1	8.77	13.1	13.5	27.4	104	265	213	71.6	33.7	15.1
Max	30	16	12	24	16	47	164	405	318	133	49	23
Min	9.6	1.5	3.1	2.6	7.4	14	38	140	137	41	20	11
Ac-ft	751	603	539	807	751	1,680	6,160	16,320	12,700	4,400	2,070	899

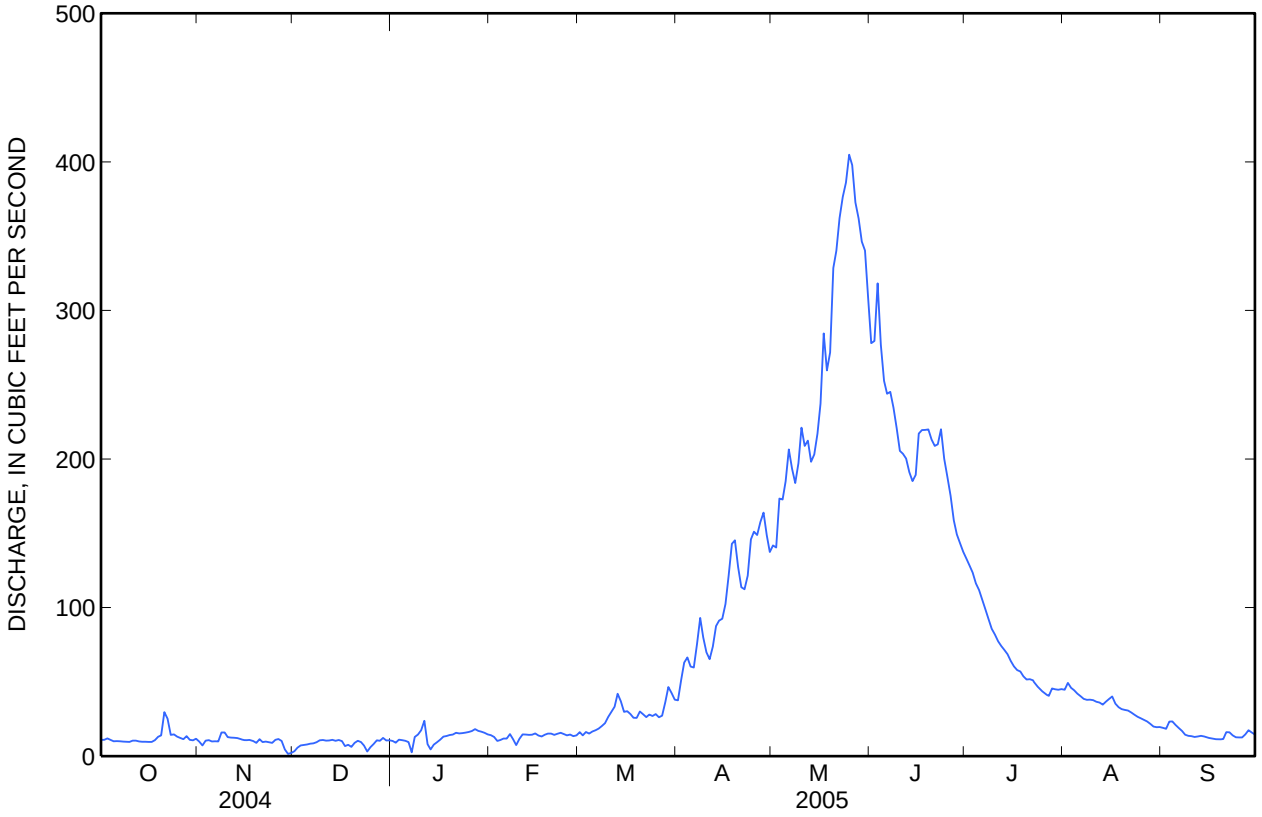
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 – 2003, 2005 BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13.5	12.5	10.9	10.9	13.5	22.8	54.1	130	107	38.6	18.3	13.7
Max	26.8	21.6	19.4	21.4	35.3	48.5	197	481	322	135	51.4	30.5
(WY)	(1985)	(1985)	(1967)	(1984)	(1984)	(1986)	(1984)	(1984)	(1983)	(1995)	(1984)	(1984)
Min	6.62	7.30	4.29	4.50	5.86	10.1	10.9	21.9	19.0	7.01	4.74	4.20
(WY)	(1960)	(1978)	(1978)	(1978)	(1978)	(1964)	(1963)	(1977)	(2002)	(2002)	(1977)	(1959)

10194200 CLEAR CREEK ABOVE DIVERSIONS, NEAR SEVIER, UT—Continued

SUMMARY STATISTICS

	Water Year 2005		Water Years 1958 – 2003, 2005	
Annual total	24,042.7			
Annual mean	65.9		37.3	
Highest annual mean			96.2	1984
Lowest annual mean			12.0	1977
Highest daily mean	405	May 25	633	May 24, 1984
Lowest daily mean	1.5	Nov 29	1.5	Nov 29, 2004
Annual seven-day minimum	4.6	Nov 28	2.4	Aug 29, 1978
Annual runoff (ac-ft)	47,690		27,000	
10 percent exceeds	209		93	
50 percent exceeds	20		16	
90 percent exceeds	9.7		7.9	



10205030 SALINA CREEK NEAR EMERY, UT

Sevier Lake Basin

LOCATION.--Lat 38°54′43″, long 111°31′47″ referenced to North American Datum of 1927, in SE ¼ SW ¼ NW ¼ sec.12, T.22 S., R.3 E., Sevier County, Hydrologic Unit 16030003, Fish Lake National Forest, on right bank 0.1 mi downstream of Skumpah Creek, 2.5 mi upstream from Natural Resources Conservation Service retention dam, 15.3 mi west of Emery, and 18.4 mi east of Salina.

DRAINAGE AREA.--51.8 mi^2.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Crest-stage gage installed Aug 21, 2000. Elevation of gage is 7,000 ft above NGVD of 1929, from topographic map. Prior to June 9, 1971, at site 300 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. No diversion above station. Slight regulation from small reservoirs at headwaters.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 740 ft^3/s, Jul 27, 1989, gage height, 5.85 ft, present datum from rating curve extended above 150 ft^3/s on basis of slope-area measurement of peak flow; minimum discharge, 0.80 ft^3/s, Nov 9, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 297 ft^3/s, May 24, gage height, 4.93 ft; minimum daily discharge, 4.3 ft^3/s, Feb 4.

10205030 SALINA CREEK NEAR EMERY, 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	8.9	e7.0	e5.5	5.2	e5.0	e4.6	e6.0	14	50	21	15	11
2	8.8	e7.0	e5.5	5.0	e4.6	e4.6	6.3	14	69	20	19	11
3	8.6	e7.0	e5.5	4.7	e4.5	e4.6	6.2	15	88	19	16	11
4	8.6	e7.0	e5.7	5.0	e4.3	e4.7	6.5	16	73	19	16	11
5	8.6	e7.0	e6.0	5.5	e4.8	e4.8	6.4	21	66	18	15	11
6	8.6	e7.0	e6.3	e5.0	e5.0	5.0	6.3	24	51	18	15	11
7	8.6	e7.0	e6.7	e4.8	e5.3	5.0	6.6	21	42	18	15	11
8	8.6	e7.8	e6.9	e4.4	e5.0	5.0	7.6	22	36	17	15	11
9	8.6	7.2	e6.5	e4.4	e4.6	5.2	6.9	25	33	18	15	11
10	8.6	7.0	6.3	4.9	e4.5	5.6	6.5	28	31	18	16	11
11	8.6	7.0	6.2	5.4	e4.5	5.7	6.3	25	36	17	15	11
12	8.5	6.9	6.2	5.8	4.5	5.7	6.2	24	41	17	15	10
13	8.3	6.8	6.2	e5.0	4.8	5.7	7.0	27	32	17	14	10
14	8.3	6.8	6.1	e4.4	4.9	e5.5	7.9	34	30	17	14	10
15	8.3	6.8	6.0	e5.0	5.0	e5.5	10	45	30	17	e15	10
16	8.3	6.8	6.0	e5.0	5.0	e5.5	12	60	28	16	e16	10
17	8.3	6.8	e5.6	e5.5	5.0	e6.0	15	59	27	16	e15	10
18	8.3	6.8	e5.0	5.7	5.0	6.2	16	59	26	16	14	9.7
19	8.3	6.6	e4.6	5.7	5.0	6.2	14	90	26	15	12	9.7
20	8.3	6.5	e4.6	5.7	5.0	6.2	11	121	25	15	12	9.7
21	8.8	6.5	e4.6	5.7	5.0	6.0	9.3	160	24	15	12	9.8
22	8.8	6.5	e4.6	e5.5	5.0	6.0	10	176	24	15	12	10
23	8.2	6.5	e4.5	e5.2	5.0	6.1	11	171	25	15	12	10
24	8.3	e6.0	e4.4	e5.0	4.9	5.9	17	166	24	21	12	10
25	7.8	e6.2	e4.6	e4.8	e4.6	5.7	14	152	24	16	12	10
26	7.6	6.5	e4.4	e4.6	e4.6	5.7	13	126	23	15	12	10
27	7.6	6.5	e4.4	e4.6	e4.6	6.4	16	115	22	15	12	10
28	7.6	6.5	e4.4	5.0	e4.6	7.0	14	108	22	15	12	10
29	7.6	e6.0	e4.8	5.0	---	6.9	14	96	22	15	12	9.8
30	7.5	e5.5	4.9	5.1	---	6.2	13	72	21	15	11	9.7
31	7.4	---	4.9	5.1	---	e5.7	---	55	---	15	11	---
Total	257.2	201.5	167.9	157.7	134.6	174.9	302.0	2,141	1,071	521	429	309.4
Mean	8.30	6.72	5.42	5.09	4.81	5.64	10.1	69.1	35.7	16.8	13.8	10.3
Max	8.9	7.8	6.9	5.8	5.3	7.0	17	176	88	21	19	11
Min	7.4	5.5	4.4	4.4	4.3	4.6	6.0	14	21	15	11	9.7
Ac-ft	510	400	333	313	267	347	599	4,250	2,120	1,030	851	614

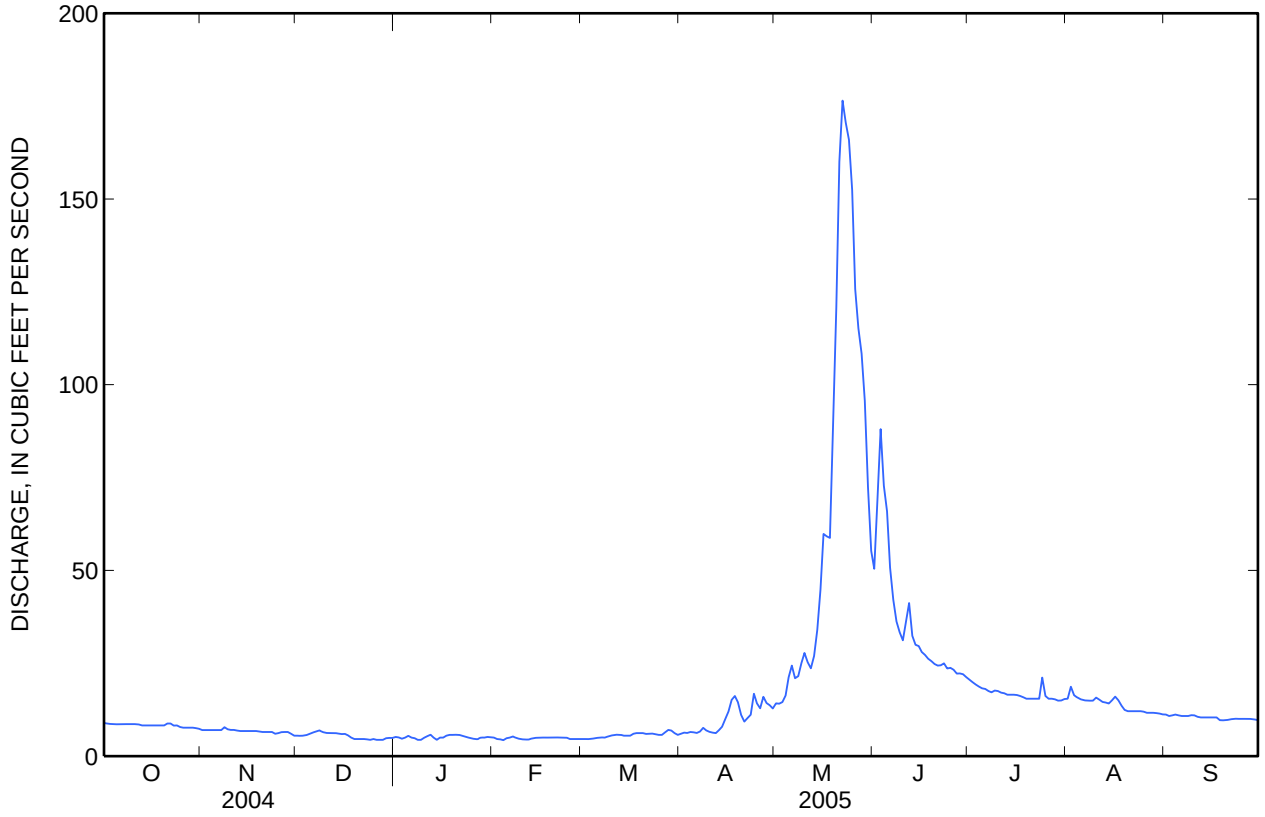
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	9.81	8.19	6.95	6.43	6.26	7.37	14.6	64.2	42.6	16.7	13.4	11.2
Max	18.9	16.0	14.1	13.6	10.8	16.0	51.6	275	162	50.3	34.4	25.4
(WY)	(1985)	(1985)	(1985)	(1985)	(1985)	(1988)	(1985)	(1984)	(1983)	(1983)	(1983)	(1984)
Min	3.57	3.24	2.88	2.58	2.49	4.25	5.31	5.12	3.70	4.67	4.09	3.55
(WY)	(1978)	(1978)	(2003)	(1977)	(1977)	(1977)	(1964)	(1977)	(1977)	(1977)	(1977)	(1977)

10205030 SALINA CREEK NEAR EMERY, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1964 - 2005	
Annual total	4,608.7		5,867.2			
Annual mean	12.6		16.1		17.4	
Highest annual mean					53.0	1984
Lowest annual mean					4.58	1977
Highest daily mean	80	May 9	176	May 22	434	May 28, 1983
Lowest daily mean	3.4	Jan 18	4.3	Feb 4	1.5	Dec 30, 1982
Annual seven-day minimum	3.6	Jan 18	4.5	Dec 22	1.7	Dec 26, 1982
Annual runoff (ac-ft)	9,140		11,640		12,590	
10 percent exceeds	25		27		33	
50 percent exceeds	8.9		8.5		9.2	
90 percent exceeds	4.4		4.8		5.0	



10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

Sevier Lake Basin

LOCATION.--Lat 39°15′33″, long 111°34′45″ referenced to North American Datum of 1927, in NE ¼ SE ¼ SE ¼ sec.9, T.18 S., R.3 E., Sanpete County, Hydrologic Unit 16030004, Manti-LaSal National Forest, on right bank 200 ft downstream from trail bridge, 0.6 mi upstream from upper powerplant, 2.3 mi east of cattle guard at forest boundary, and 3.5 mi east of Manti.

DRAINAGE AREA.--26.4 mi^2.

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WDR UT-81-1: 1979, 1980(M), WDR UT-01-1: 2000, daily values.

PERIOD OF RECORD.--October 1964 to September 1974; October 1978 to current year.

GAGE.--Water-stage recorder. Crest-stage gage installed August 22, 2000. Elevation of gage is 6,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for May 20 to June 4 and August 11 to September 10, which are fair, and September 11 to 30 and estimated daily discharges, which are poor. Records do not include flow diverted around station in a 12-inch pipeline by city of Manti for culinary purposes and for generation of power at the upper powerplant. Records include flow of a small transmountain diversion from San Rafael River basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 705 ft^3/s, Jun 28, 1995, gage height, 5.49 ft; minimum, 0.9 ft^3/s, Nov 3, 1968.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 545 ft^3/s, May 24, gage height, 5.38 ft; minimum daily discharge, 3.4 ft^3/s, Jan.

10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, 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	4.8	e3.6	4.0	e4.6	3.7	7.0	42	235	69	18	10
2	5.1	e4.5	e3.7	3.7	e4.2	e3.7	7.9	42	246	65	18	9.9
3	5.1	e4.5	e3.8	3.6	e4.0	3.5	9.1	45	236	61	17	10
4	4.9	e4.6	e3.9	3.6	e4.2	3.5	9.0	50	201	58	17	11
5	4.8	4.6	4.0	3.5	e4.6	3.6	8.1	66	193	55	19	11
6	5.3	4.5	4.0	e3.5	e4.8	3.8	9.1	70	192	51	17	10
7	4.6	4.6	e4.1	e3.4	5.2	4.1	14	62	193	49	16	9.6
8	4.4	6.6	4.2	3.8	4.8	4.2	16	62	179	47	17	9.2
9	4.4	6.5	4.1	4.0	e4.6	4.6	12	68	174	46	18	11
10	4.7	6.0	4.5	5.1	e4.6	5.4	11	74	171	43	16	9.1
11	4.8	5.7	4.9	5.2	4.7	6.0	9.7	70	165	41	16	9.7
12	4.6	5.5	5.2	e4.2	4.9	6.8	12	69	154	40	17	8.4
13	4.7	5.2	5.1	e3.8	4.7	6.5	16	71	138	39	16	8.9
14	4.6	4.8	4.7	e3.6	4.6	e5.4	18	79	151	38	16	8.2
15	4.6	4.6	4.4	4.4	4.4	e4.9	20	92	179	36	16	8.2
16	4.5	4.7	4.2	4.4	4.3	e4.6	e28	114	198	35	17	7.9
17	4.5	4.5	4.2	4.5	4.5	4.5	e36	118	205	34	16	7.8
18	5.2	4.2	4.2	4.6	4.4	4.3	39	116	209	31	14	7.6
19	6.1	e4.5	4.1	5.2	4.4	4.2	37	157	182	29	14	7.3
20	7.0	e4.0	4.2	5.8	4.3	4.3	e33	209	172	27	14	7.6
21	8.9	e4.7	3.9	5.9	4.1	4.1	e29	249	162	26	14	8.8
22	6.3	e4.0	e3.6	5.6	4.2	e4.0	30	277	155	28	13	8.8
23	5.7	e3.8	4.1	5.6	4.0	4.2	35	280	141	26	13	8.0
24	6.2	e3.6	3.9	5.6	4.0	4.6	45	281	125	25	13	7.5
25	5.6	e3.8	4.2	5.4	e4.0	4.2	41	279	118	24	13	7.2
26	5.3	4.1	4.1	5.3	e3.9	e4.0	40	291	105	23	12	6.9
27	5.3	e3.8	4.0	5.4	e3.8	e4.0	44	246	94	21	12	8.7
28	5.9	e3.7	3.9	5.5	e3.8	5.9	43	250	89	20	12	10
29	4.9	e3.6	4.0	5.2	---	5.6	41	299	81	19	11	9.6
30	4.8	e3.6	3.8	4.9	---	4.9	39	312	74	20	11	7.7
31	4.7	---	4.1	4.8	---	5.6	---	260	---	18	11	---
Total	162.7	137.6	128.7	143.1	122.6	142.7	738.9	4,700	4,917	1,144	464	265.6
Mean	5.25	4.59	4.15	4.62	4.38	4.60	24.6	152	164	36.9	15.0	8.85
Max	8.9	6.6	5.2	5.9	5.2	6.8	45	312	246	69	19	11
Min	4.4	3.6	3.6	3.4	3.8	3.5	7.0	42	74	18	11	6.9
Ac-ft	323	273	255	284	243	283	1,470	9,320	9,750	2,270	920	527

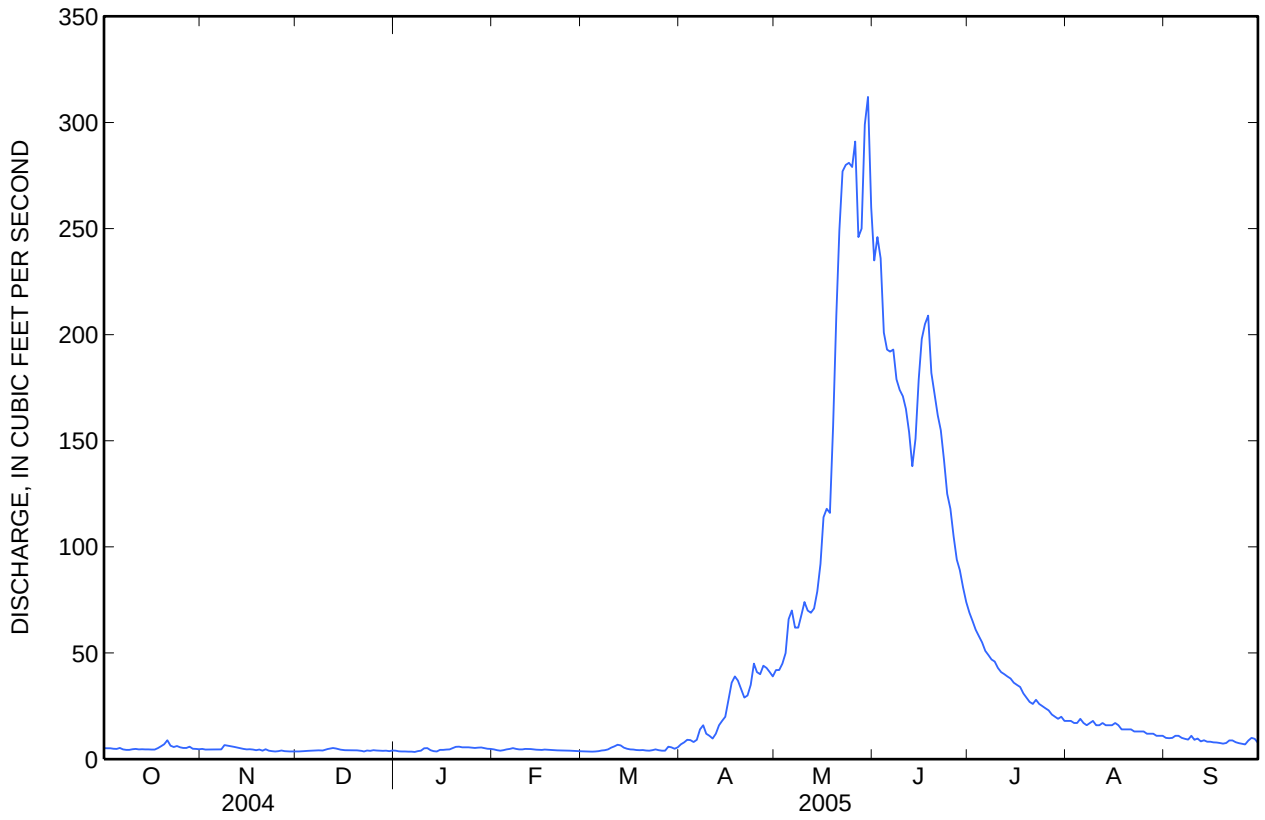
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 74, 1979 -2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.97	6.45	5.18	4.75	4.57	6.10	18.3	99.8	130	41.2	15.9	10.2
Max	18.6	12.5	9.85	8.79	8.46	12.3	87.4	232	317	183	42.3	26.0
(WY)	(1984)	(1985)	(1984)	(1984)	(1984)	(1986)	(1985)	(1984)	(1983)	(1995)	(1983)	(1995)
Min	4.14	3.77	3.35	3.05	3.13	3.22	5.46	47.1	32.2	10.8	5.36	3.65
(WY)	(2001)	(1993)	(1979)	(1981)	(1967)	(1991)	(1967)	(1990)	(1966)	(2002)	(2002)	(2000)

10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1965 - 74, 1979 -2005	
Annual total	7,997.9		13,066.9			
Annual mean	21.9		35.8		29.2	
Highest annual mean					61.0	1984
Lowest annual mean					12.8	2002
Highest daily mean	138	May 28	312	May 30	547	Jun 28, 1995
Lowest daily mean	3.2	Feb 20	3.4	Jan 7	1.8	Dec 13, 2000
Annual seven-day minimum	3.4	Feb 18	3.6	Jan 2	2.3	Dec 9, 2000
Annual runoff (ac-ft)	15,860		25,920		21,170	
10 percent exceeds	81		130		79	
50 percent exceeds	6.4		7.0		8.1	
90 percent exceeds	3.8		4.0		4.0	



10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT

Sevier Lake Basin

LOCATION.--Lat 39°09′19″, long 111°52′37″ referenced to North American Datum of 1927, in NE ¼ NE ¼ SE ¼ sec.14, T.19 S., R.1 W., Sanpete County, Hydrologic Unit 16030003, on left bank 1,000 ft downstream from San Pitch River and 3.2 mi west of Gunnison.

DRAINAGE AREA.--4,921 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1912 to current year. Prior to October 1917, monthly discharge computed as the sum of flow at stations on Sevier River near Gunnison (above San Pitch River) and San Pitch River near Gunnison published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 5,025 ft above NGVD of 1929, from topographic map. Prior to October 4, 1917, recording gage at site 0.5 mi upstream. October 4, 1917 to October 28, 1938 at datum 0.36 ft higher and October 28, 1938 to April 10, 1986 same datum at site 150 ft east on former stream course. April 16, 1986 to June 6, 1989 at site 0.8 mi downstream, different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by reservoirs and many diversions for irrigation above station. Most of flow diverted above station during irrigation season.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,400 ft^3/s, May 29, 1984; minimum, 5.6 ft^3/s, Jul 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,410 ft^3/s, Jun 6, gage height, 9.52 ft; minimum daily discharge, 38 ft^3/s, Apr 14.

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, 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	55	115	334	167	268	219	111	238	1,750	975	72	80
2	56	115	322	161	279	151	95	249	1,940	673	79	80
3	56	117	313	165	298	135	67	156	2,180	609	76	79
4	55	120	317	165	363	105	45	103	2,380	582	77	78
5	55	144	e285	171	387	130	47	132	2,380	567	75	78
6	54	137	e290	168	400	115	50	217	2,390	534	77	81
7	54	136	e300	154	423	114	56	224	2,370	492	51	77
8	43	131	274	156	459	199	59	201	2,320	390	53	84
9	54	139	245	166	470	267	54	210	2,230	327	52	99
10	55	142	206	175	468	236	46	240	2,230	263	60	127
11	53	146	193	188	486	288	45	328	2,290	231	63	127
12	51	194	184	194	490	309	42	327	2,360	238	70	140
13	53	227	177	178	484	341	40	359	2,380	211	63	140
14	53	233	173	167	484	369	38	425	2,340	161	54	143
15	53	276	169	164	483	272	39	493	2,290	152	56	137
16	43	374	167	175	484	356	127	559	2,230	114	58	144
17	43	358	158	180	483	328	86	648	2,150	88	69	143
18	53	363	154	179	481	329	83	632	2,070	98	70	138
19	52	357	154	178	489	306	67	598	2,050	91	78	129
20	53	378	155	179	493	302	68	775	2,010	87	76	102
21	59	351	161	179	490	285	138	877	1,860	84	70	115
22	99	317	157	177	499	301	129	952	1,840	101	69	87
23	105	316	156	176	500	289	135	1,030	1,860	75	69	90
24	101	328	149	175	486	299	94	1,190	1,780	83	67	90
25	101	343	137	173	424	300	97	1,360	1,630	91	65	92
26	93	342	140	176	246	289	83	1,320	1,630	103	68	96
27	84	343	152	179	226	191	174	1,380	1,600	107	69	99
28	88	354	160	180	214	136	239	1,520	1,520	137	75	104
29	99	352	166	180	---	139	229	1,520	1,450	116	72	110
30	97	345	169	186	---	131	235	1,560	1,220	102	65	106
31	106	---	170	240	---	114	---	1,730	---	83	80	---
Total	2,076	7,593	6,287	5,451	11,757	7,345	2,818	21,553	60,730	7,965	2,098	3,195
Mean	67.0	253	203	176	420	237	93.9	695	2,024	257	67.7	106
Max	106	378	334	240	500	369	239	1,730	2,390	975	80	144
Min	43	115	137	154	214	105	38	103	1,220	75	51	77
Ac-ft	4,120	15,060	12,470	10,810	23,320	14,570	5,590	42,750	120,500	15,800	4,160	6,340

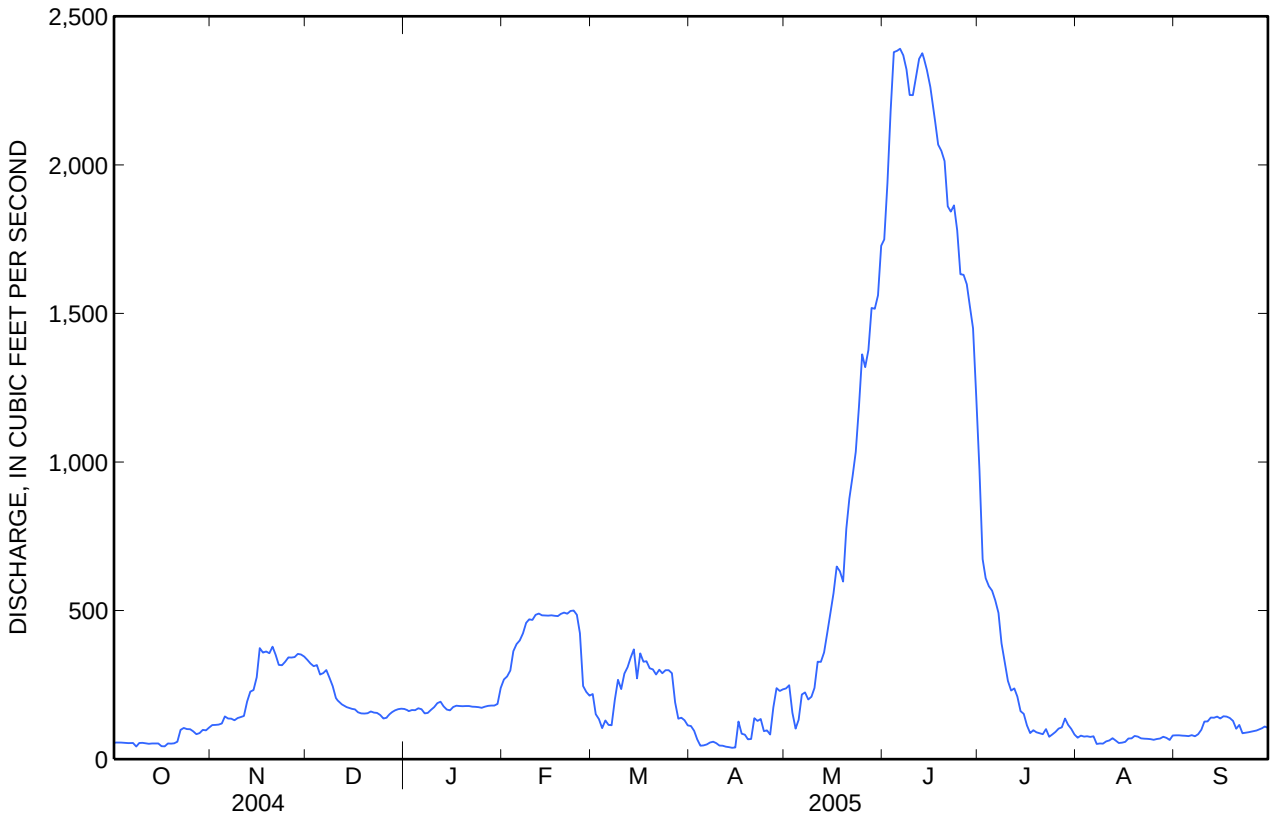
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	192	238	268	277	337	355	269	375	403	121	103	132
Max	783	760	1,028	868	1,141	1,443	1,670	3,606	4,308	1,624	591	499
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1984)	(1983)	(1983)	(1983)	(1983)
Min	27.1	56.0	96.7	100	97.2	74.0	70.7	56.5	40.4	25.7	16.2	17.2
(WY)	(1935)	(1935)	(1932)	(1935)	(1935)	(1935)	(1966)	(1961)	(2002)	(1960)	(1934)	(1934)

10217000 SEVIER RIVER BELOW SAN PITCH RIVER, NEAR GUNNISON, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1918 - 2005	
Annual total	53,115		138,868			
Annual mean	145		380		255	
Highest annual mean					1,346	1984
Lowest annual mean					86.5	1935
Highest daily mean	509	Mar 9	2,390	Jun 6	5,400	May 29, 1984
Lowest daily mean	17	Jul 31	38	Apr 14	6.0	Jul 18, 1977
Annual seven-day minimum	19	Jul 28	43	Apr 9	6.6	Jul 14, 1977
Annual runoff (ac-ft)	105,400		275,400		184,800	
10 percent exceeds	356		1,260		479	
50 percent exceeds	118		167		186	
90 percent exceeds	25		57		57	



10219000 SEVIER RIVER NEAR JUAB, UT

Sevier Lake Basin

LOCATION.--Lat 39°22′29″, long 112°02′20″ referenced to North American Datum of 1927, in SE ¼ SW ¼ SE ¼ sec.35, T.16 S., R.2 W., Juab County, Hydrologic Unit 16030005, on right bank 0.5 mi downstream from Sevier Bridge Dam and 11.6 mi southwest of Juab.

DRAINAGE AREA.--5,165 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1911 to current year.

GAGE.--Water-stage recorder and rubble masonry control since April 16, 1914. Elevation of gage is 4,940 ft above NGVD of 1929, by barometer. Prior to April 16, 1914, staff gage 500 ft upstream at different datum. April 16, 1914 to April 7, 1938, water-stage recorder at present site and datum. April 8, 1938 to March 31, 1942, water-stage recorder at site 1,300 ft upstream at different datum. April 1, 1942 to June 15, 1961, water-stage recorder on left bank same site and datum. Since June 16, 1961, water-stage recorder on right bank at same datum and about 50 ft upstream of old station.

REMARKS.--Records good except for daily discharges less than 2 ft³/s and estimated daily discharges, which are poor. Flow regulated by Sevier Bridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft³/s, Jun 25, 1983, gage height, 10.90 ft; no flow many days during April 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,300 ft³/s, Jun 30, gage height, 8.08 ft; minimum daily discharge, 0.06 ft³/s, on several days.

10219000 SEVIER RIVER NEAR JUAB, 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	95	0.14	0.08	0.06	0.14	0.14	0.14	58	400	803	542	574
2	91	0.26	0.06	0.06	0.14	0.14	0.14	58	335	908	504	393
3	89	0.20	0.06	0.06	0.14	0.14	0.14	59	341	737	507	358
4	82	0.21	0.06	0.06	0.14	0.14	0.14	59	443	573	510	361
5	86	0.27	0.06	0.06	0.14	0.14	0.14	60	540	371	513	216
6	110	0.27	0.09	0.06	0.14	0.14	0.14	58	511	345	517	191
7	31	0.27	0.10	0.06	0.14	0.14	0.14	59	406	416	520	163
8	1.8	0.27	0.10	0.06	0.14	0.14	0.14	60	318	511	523	103
9	1.5	0.27	0.13	0.06	0.14	0.14	0.14	61	385	532	533	92
10	1.4	0.27	0.14	0.06	0.14	e0.13	0.14	94	496	745	675	97
11	0.99	0.24	0.14	0.10	0.14	e0.13	0.14	129	489	1,020	797	60
12	0.43	0.20	0.14	0.14	0.14	e0.12	0.14	148	282	1,020	812	53
13	0.27	0.25	0.14	0.19	0.14	e0.12	0.14	147	280	1,030	817	51
14	0.24	0.27	0.14	0.20	0.14	e0.11	0.14	148	278	882	816	54
15	0.20	0.27	0.14	0.20	0.14	e0.11	0.10	149	279	734	815	96
16	0.20	0.21	0.14	0.20	0.14	e0.10	0.10	151	271	736	757	157
17	0.20	0.20	0.14	0.20	0.14	0.10	0.10	175	236	563	705	158
18	0.20	0.20	0.14	0.20	0.14	0.10	0.10	280	236	421	617	113
19	0.20	0.20	0.14	0.20	0.15	0.10	0.10	373	300	422	502	52
20	0.20	0.20	0.10	0.20	0.20	0.10	0.10	507	401	425	488	51
21	0.20	0.15	0.10	0.20	0.20	0.10	0.10	861	499	428	489	50
22	0.20	0.14	0.10	0.20	0.20	0.10	0.10	892	701	430	520	51
23	0.20	0.14	0.10	0.20	0.17	0.10	0.06	824	702	433	598	60
24	0.20	0.14	0.10	0.20	0.14	0.10	0.07	817	704	455	623	125
25	0.18	0.14	0.10	0.20	0.14	0.10	0.09	817	733	532	754	126
26	0.14	0.14	0.10	0.17	0.14	0.10	33	818	858	536	675	124
27	0.18	0.14	0.10	0.14	0.14	0.10	62	820	751	542	609	183
28	0.20	0.14	0.10	0.14	0.14	0.14	61	726	725	549	433	134
29	0.20	0.14	0.08	0.14	---	0.14	60	629	827	564	312	59
30	0.20	0.13	0.06	0.14	---	0.14	58	594	1,220	711	529	47
31	0.17	---	0.06	0.14	---	0.14	---	584	---	542	711	---
Total	593.90	6.07	3.24	4.30	4.14	3.74	276.98	11,215	14,947	18,916	18,723	4,352
Mean	19.2	0.20	0.10	0.14	0.15	0.12	9.23	362	498	610	604	145
Max	110	0.27	0.14	0.20	0.20	0.14	62	892	1,220	1,030	817	574
Min	0.14	0.13	0.06	0.06	0.14	0.10	0.06	58	236	345	312	47
Ac-ft	1,180	12	6.4	8.5	8.2	7.4	549	22,240	29,650	37,520	37,140	8,630

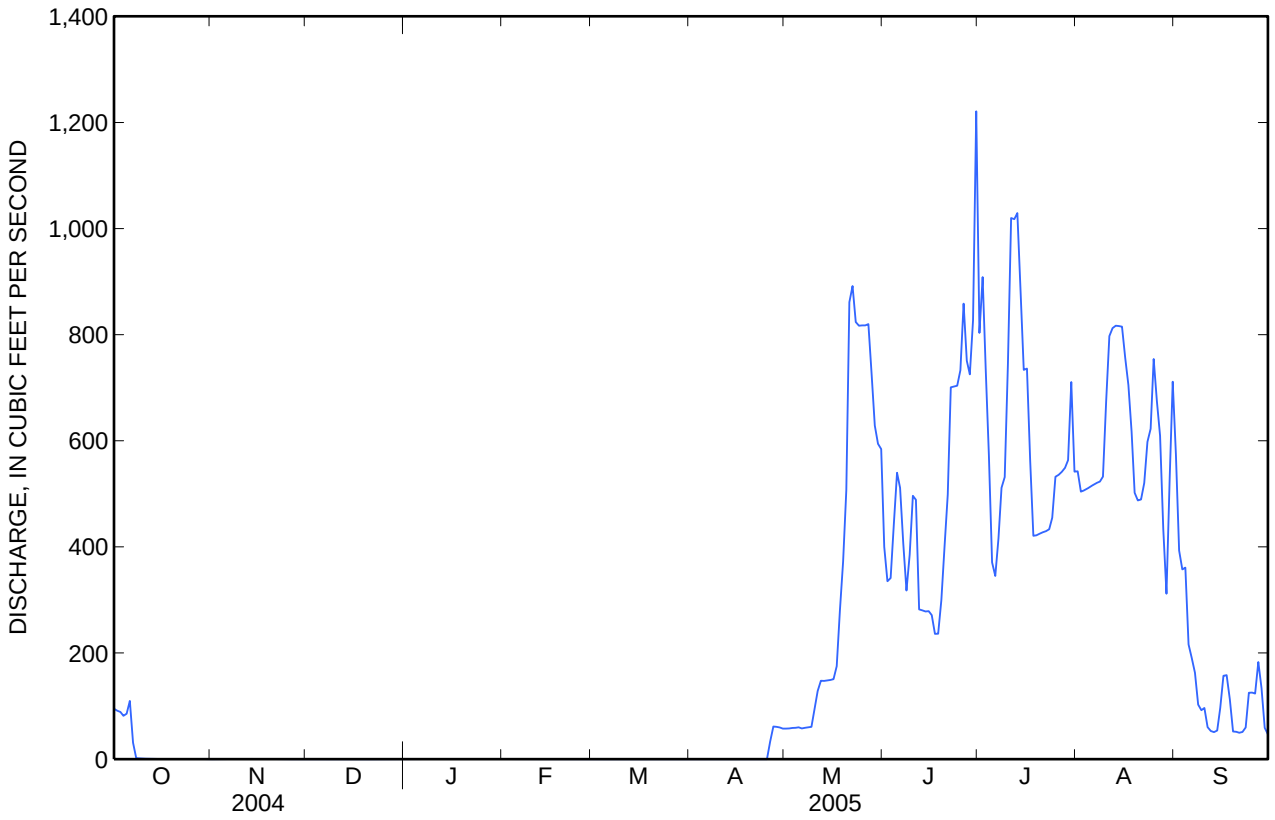
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	59.6	35.0	37.7	63.7	73.0	120	298	713	600	538	371	160
Max	640	439	757	1,295	1,184	1,535	1,783	3,135	4,178	3,293	1,599	737
(WY)	(1923)	(1999)	(1986)	(1984)	(1984)	(1983)	(1984)	(1984)	(1983)	(1983)	(1983)	(1923)
Min	1.00	0.20	0.10	0.14	0.15	0.12	2.00	305	138	65.4	25.0	1.34
(WY)	(1961)	(2005)	(2005)	(2005)	(2005)	(2005)	(1941)	(1995)	(1964)	(1934)	(1934)	(1961)

10219000 SEVIER RIVER NEAR JUAB, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1912 - 2005	
Annual total	43,783.94		69,045.37			
Annual mean	120		189		257	
Highest annual mean					1,322	1984
Lowest annual mean					94.2	1961
Highest daily mean	819	May 8	1,220	Jun 30	4,920	Jun 25, 1983
Lowest daily mean	0.06	Dec 2	0.06	Dec 2	0.00	Mar 7, 1918
Annual seven-day minimum	0.07	Dec 1	0.06	Dec 30	0.00	Apr 9, 1990
Annual runoff (ac-ft)	86,850		137,000		186,100	
10 percent exceeds	414		701		748	
50 percent exceeds	0.60		0.24		38	
90 percent exceeds	0.13		0.10		2.0	



10224000 SEVIER RIVER NEAR LYNNDYL, UT

Sevier Lake Basin

LOCATION.--Lat 39°28′55″, long 112°23′35″ referenced to North American Datum of 1927, in NW ¼ NE ¼ SE ¼ sec.27, T.15 S., R.5 W., Millard County, Hydrologic Unit 16030005, on right bank 1.6 mi downstream from highway bridge and 3.5 mi southwest of Lynndyl.

DRAINAGE AREA.--5,966 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1914 to October 1919, October 1942 to current year. Monthly discharge only for some periods, published in WSP 1314.

GAGE.--Water-stage recorder. Elevation of gage is 4,660 ft above NGVD of 1929, by barometer. Prior to October 1, 1979 at site 80 ft upstream. Prior to April 23, 1991 at site 80 ft downstream.

REMARKS.--Records good. Flow regulated by Sevier Bridge Reservoir about 35 mi upstream (see station 10218500 and 10219000). Several diversions for irrigation between reservoir and station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 5,020 ft^3/s, Jun 15, 16, 17, 1983; minimum discharge, 2.4 ft^3/s, Jan 26, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,070 ft^3/s, Jul 2, gage height, 7.49 ft; minimum daily discharge, 21 ft^3/s, Oct 14.

10224000 SEVIER RIVER NEAR LYNNDYL, 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	25	35	46	44	39	41	34	94	566	863	534	498
2	54	35	51	41	39	40	45	98	453	962	471	495
3	72	34	47	39	38	42	52	97	331	729	427	352
4	72	35	46	38	38	41	44	95	320	846	401	250
5	77	35	49	39	38	40	42	94	383	648	394	270
6	81	35	52	40	39	41	42	95	492	415	384	222
7	87	35	53	40	39	54	43	96	504	345	380	163
8	96	35	53	47	40	54	40	106	434	339	371	151
9	71	36	48	41	41	53	40	103	356	451	348	128
10	35	37	45	42	40	53	38	104	339	451	357	96
11	34	37	43	43	39	53	39	113	456	553	406	97
12	28	37	41	49	40	53	38	140	465	836	551	115
13	25	37	41	51	40	52	35	163	336	948	625	109
14	21	37	40	42	41	53	34	168	280	975	632	110
15	24	37	39	42	40	54	35	167	283	955	625	107
16	27	36	38	44	41	54	35	170	285	720	642	109
17	29	35	38	39	41	54	35	164	280	670	655	118
18	29	35	37	38	41	54	38	167	241	594	611	146
19	31	35	42	38	41	54	45	222	220	386	548	151
20	36	35	45	38	42	57	51	337	227	369	444	133
21	48	35	51	38	42	58	54	412	305	364	376	100
22	52	35	61	38	41	55	53	708	386	344	352	102
23	51	35	68	38	40	54	52	842	557	345	336	104
24	49	36	49	38	42	56	56	793	622	339	389	101
25	45	36	49	38	42	56	58	808	585	333	407	100
26	42	36	56	38	41	53	59	785	609	417	441	112
27	39	38	59	38	40	50	56	769	739	463	439	97
28	41	41	54	39	40	47	57	750	697	470	438	124
29	40	42	49	41	---	44	89	692	634	462	354	156
30	38	43	48	41	---	44	90	594	579	474	241	143
31	36	---	48	40	---	35	---	557	---	568	261	---
Total	1,435	1,090	1,486	1,262	1,125	1,549	1,429	10,503	12,964	17,634	13,840	4,959
Mean	46.3	36.3	47.9	40.7	40.2	50.0	47.6	339	432	569	446	165
Max	96	43	68	51	42	58	90	842	739	975	655	498
Min	21	34	37	38	38	35	34	94	220	333	241	96
Ac-ft	2,850	2,160	2,950	2,500	2,230	3,070	2,830	20,830	25,710	34,980	27,450	9,840

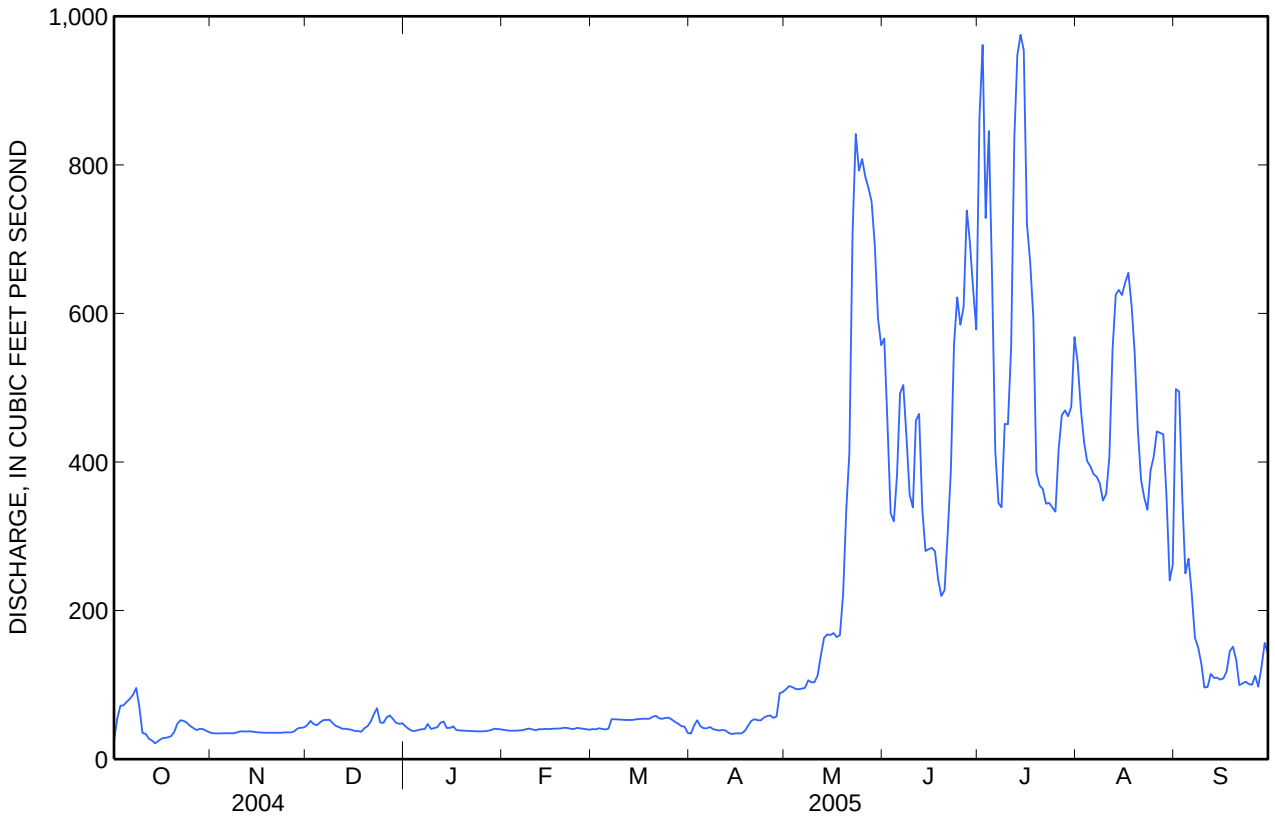
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	65.1	72.9	73.7	97.6	128	182	293	579	538	456	310	107
Max	516	469	728	1,218	1,134	1,514	2,087	3,243	4,702	2,842	1,644	497
(WY)	(1985)	(1985)	(1986)	(1984)	(1984)	(1983)	(1984)	(1984)	(1983)	(1983)	(1983)	(1984)
Min	22.7	22.6	10.2	6.16	7.23	11.2	25.9	287	116	180	64.0	20.2
(WY)	(1968)	(1958)	(1963)	(1963)	(1978)	(1975)	(1952)	(1957)	(1964)	(1961)	(1965)	(2004)

10224000 SEVIER RIVER NEAR LYNNDYL, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1943 - 2005	
Annual total	49,399		69,276			
Annual mean	135		190		243	
Highest annual mean					1,369	1984
Lowest annual mean					103	1961
Highest daily mean	780	May 10	975	Jul 14	5,020	Jun 15, 1983
Lowest daily mean	10	Sep 27	21	Oct 14	4.5	Jan 1, 1964
Annual seven-day minimum	11	Sep 23	26	Oct 12	4.9	Jan 22, 1980
Annual runoff (ac-ft)	97,980		137,400		175,800	
10 percent exceeds	340		561		627	
50 percent exceeds	52		54		73	
90 percent exceeds	31		36		19	



10234500 BEAVER RIVER NEAR BEAVER, UT

Beaver River Basin

LOCATION.--Lat 38°16'50", long 112°34'03" referenced to North American Datum of 1927, in SW ¼ SE ¼ SE ¼ sec.18, T.29 S., R.6 W., Beaver County, Hydrologic Unit 16030007, on left bank 0.3 mi upstream of diversion, 0.6 mi downstream of Baker Canyon, and 4.2 mi east of Beaver.

DRAINAGE AREA.--91 mi².

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WDR UT-80-1: 1979.

PERIOD OF RECORD.--June to September 1906, March 1914 to current year.

GAGE.--Water-stage recorder. Crest-stage gage installed May 25, 1989. Elevation of gage is 6,200 ft above NGVD of 1929, from topographic map. Prior to March 30, 1914, nonrecording gage and March 30, 1914 to October 15, 1937, water-stage recorder at site 0.1 mi downstream at different datum. October 16, 1937 to March 20, 1959, at site 0.2 mi upstream at different datum. March 21, 1959 to March 21, 1978 at site 0.5 mi upstream at different datum. March 21, 1978 to May 30, 1983, at site 0.2 mi upstream at different datum. July 15, 1983 to June 21, 1985 at present site at datum 1.0 ft higher.

REMARKS.--Records good except estimated daily discharges, which are poor. No diversion for irrigation upstream of station. Water is diverted for power generation and is returned upstream of station. Slight regulation by powerplants and several small headwater reservoirs.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft³/s, Jul 22, 1936, gage height, 7.27 ft, datum then in use, from rating curve extended above 500 ft³/s; minimum daily, 7.2 ft³/s, Dec 19, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Jun 03	0735	*909	*3.84

Minimum daily discharge, 15 ft³/s, Mar 2.

10234500 BEAVER RIVER NEAR BEAVER, 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	17	17	e19	17	21	16	19	50	e645	274	101	65
2	16	22	e17	17	24	15	21	50	606	255	95	64
3	19	20	e18	16	26	16	23	57	765	244	87	63
4	17	20	e22	17	23	16	24	70	607	235	80	66
5	16	19	e24	17	24	16	23	86	543	229	76	64
6	16	20	26	e18	22	16	24	100	516	219	75	61
7	16	20	22	e19	18	17	33	93	498	211	75	67
8	16	29	e20	e18	e18	17	42	88	443	201	74	62
9	16	25	e18	18	e17	19	36	97	392	194	72	61
10	16	23	18	18	e18	21	31	107	355	188	72	57
11	17	23	18	19	19	23	29	105	381	182	72	60
12	17	22	18	18	18	25	28	e97	357	175	70	37
13	16	22	18	e18	17	27	31	90	353	166	70	36
14	16	20	18	e18	18	26	36	106	374	159	75	34
15	16	20	18	e18	17	26	44	120	409	155	73	33
16	16	21	21	e17	17	23	55	151	447	154	74	32
17	17	20	e19	e17	16	21	74	145	436	149	68	32
18	18	19	e19	17	17	20	82	162	506	153	66	31
19	19	19	e19	17	17	20	76	236	495	155	65	31
20	21	21	e21	17	17	20	66	299	487	149	63	30
21	30	19	e17	17	17	e20	55	347	469	150	64	31
22	22	21	e19	17	17	e20	52	384	457	146	64	33
23	22	19	e19	17	17	19	53	447	481	146	63	31
24	23	22	e18	18	16	18	71	537	440	141	64	30
25	21	21	e18	18	18	20	66	555	e400	137	68	30
26	20	21	e18	18	16	19	59	632	e359	131	66	28
27	20	19	e17	18	16	19	59	631	e318	128	65	30
28	21	e18	17	18	16	19	56	680	304	125	68	32
29	19	e18	18	18	---	19	53	743	298	126	66	29
30	18	e18	16	18	---	20	49	725	286	119	65	28
31	21	---	17	18	---	19	---	e686	---	109	65	---
Total	575	618	587	546	517	612	1,370	8,676	13,427	5,305	2,221	1,288
Mean	18.5	20.6	18.9	17.6	18.5	19.7	45.7	280	448	171	71.6	42.9
Max	30	29	26	19	26	27	82	743	765	274	101	67
Min	16	17	16	16	16	15	19	50	286	109	63	28
Ac-ft	1,140	1,230	1,160	1,080	1,030	1,210	2,720	17,210	26,630	10,520	4,410	2,550

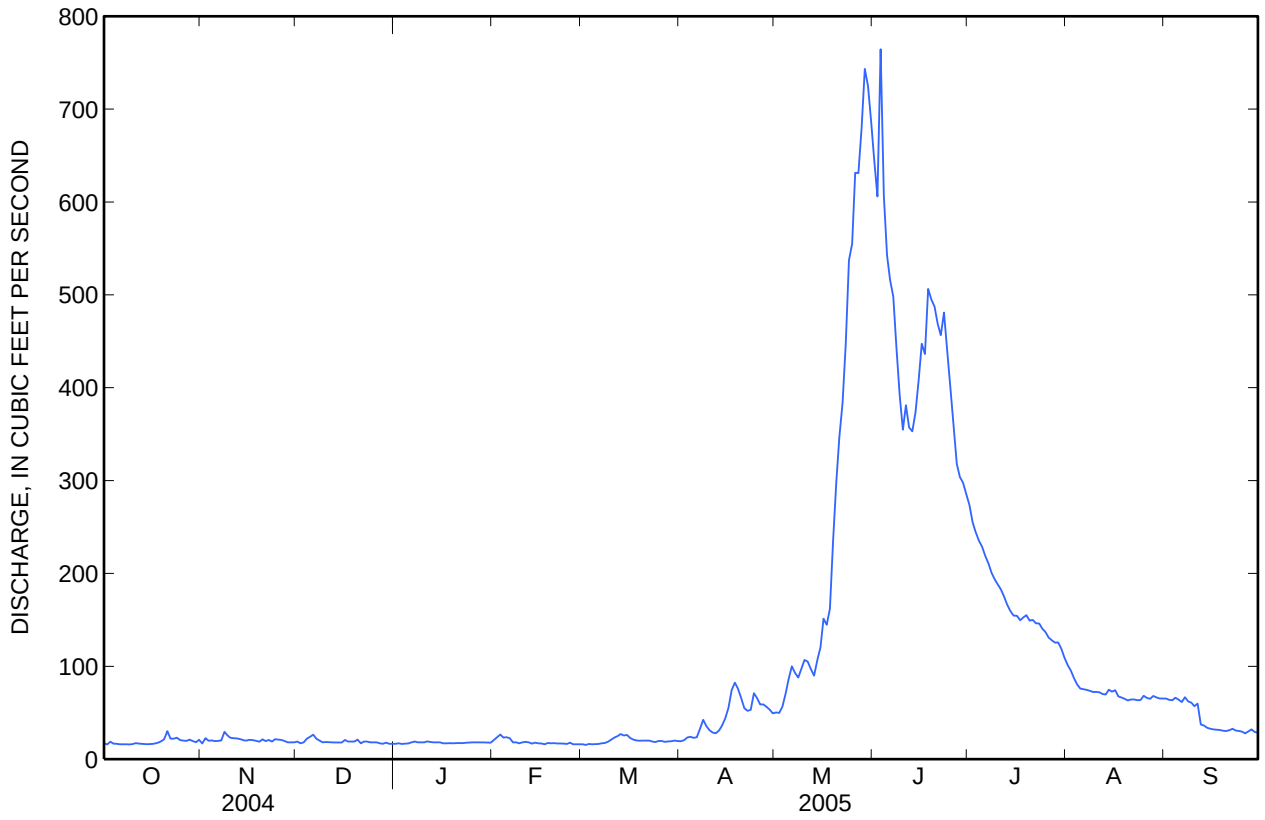
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	23.5	21.6	19.4	18.2	18.8	22.6	52.9	167	153	63.9	37.0	26.0
Max	41.5	47.0	37.7	27.0	27.9	44.9	117	409	638	198	98.0	63.3
(WY)	(1915)	(1984)	(1984)	(1942)	(1984)	(1916)	(1943)	(1984)	(1983)	(1983)	(1983)	(1983)
Min	13.3	11.7	9.95	9.96	11.4	12.9	18.6	25.7	24.1	14.9	11.8	10.7
(WY)	(1978)	(1978)	(1977)	(1977)	(1977)	(1977)	(1975)	(1977)	(1934)	(1977)	(1977)	(1977)

10234500 BEAVER RIVER NEAR BEAVER, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1915 - 2005	
Annual total	11,952		35,742			
Annual mean	32.7		97.9		52.1	
Highest annual mean					119	1983
Lowest annual mean					16.1	1977
Highest daily mean	140	May 6	765	Jun 3	884	May 24, 1984
Lowest daily mean	15	Jan 20	15	Mar 2	7.2	Dec 20, 1976
Annual seven-day minimum	15	Feb 4	16	Feb 26	8.4	Dec 19, 1976
Annual runoff (ac-ft)	23,710		70,890		37,750	
10 percent exceeds	79		349		116	
50 percent exceeds	20		26		25	
90 percent exceeds	16		17		15	



Water-Data Report UT-2005

10242000 COAL CREEK NEAR CEDAR CITY, UT

Sevier Lake Basin

LOCATION.--Lat 37°40′20″, long 113°02′02″ referenced to North American Datum of 1927, in SE ¼ SE ¼ NE ¼ sec.13, T.36 S., R.11 W., Iron County, Hydrologic Unit 16030006, on right bank 1.2 mi east of Cedar City, and 3.7 mi downstream from the mouth of Right Hand Creek.

DRAINAGE AREA.--80.9 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May to September 1915 (gage heights and discharge measurements only), October 1915 to July 1916, September 1916 to July 1918, September 1918 to November 1919, May 1935 to September 1937, April 1938 to current year. Records prior to November 1919 exclude flow of power canal; records would be equivalent if flow in canal were added.

REVISED RECORDS.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage installed August 1, 1989. Concrete control since July 1972, rebuilt July 29, 1988. Elevation of gage is 6,000 ft above NGVD of 1929, from topographic map. Prior to March 30, 1939, nonrecording gages. March 30, 1939 to May 14, 1945, water-stage recorder at several sites about 0.5 mi upstream at various datums. May 15, 1945 to October 10, 1951 and May 4 to July 2, 1952, water-stage recorder at site 2 mi upstream at different datum. July 3, 1952 to November 17, 1967, water-stage recorder at site 600 ft upstream at different datum.

REMARKS.--Records good except for October 20-28, April 15-21, which are fair, and estimated daily discharges, which are poor. No diversion upstream of station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,620 ft^3/s, Jul 23, 1969, gage height, 11.67 ft, from flood-mark, based on slope-area measurement of Jul 16, 1967 and applied to site and datum now in use; minimum, 0.3 ft^3/s, Nov 5, 14, 17, 26, 1959, Feb 17, 1960, Feb 24, 1961.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 550 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 20	2315	1,200	7.57
May 22	2120	1,370	7.88
Jun 03	1200	*1,690	*8.48
Aug 08	1715	1,110	7.42

Minimum discharge, 5.6 ft^3/s, Jan 14.

10242000 COAL CREEK NEAR CEDAR 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	9.0	17	9.0	14	15	17	27	190	818	145	40	24
2	8.6	22	e19	13	15	18	40	161	866	134	47	23
3	7.9	29	e20	14	15	19	45	207	1,010	121	57	23
4	8.0	24	e22	14	19	20	43	248	574	110	72	23
5	11	21	e23	13	16	20	38	338	590	102	71	22
6	8.4	22	e26	13	17	20	53	302	474	93	46	22
7	7.6	39	e21	e20	15	24	84	213	407	83	67	21
8	7.4	269	e18	e19	16	28	103	236	339	77	135	21
9	7.0	92	e17	18	e16	34	62	323	330	72	92	22
10	7.7	69	17	20	e16	47	49	382	330	68	98	20
11	8.0	61	20	29	16	49	46	283	481	63	236	20
12	7.8	64	23	17	17	55	58	222	411	60	93	19
13	7.2	51	23	17	16	51	80	304	351	55	97	19
14	7.3	43	21	13	17	38	101	442	367	53	56	19
15	8.6	39	19	17	17	30	144	605	397	54	69	19
16	8.2	40	16	15	16	29	153	699	413	51	67	18
17	13	38	17	15	16	27	176	668	357	47	43	18
18	19	39	22	16	19	25	189	644	359	44	39	18
19	30	33	19	17	19	26	162	782	356	42	53	17
20	502	28	18	22	18	25	117	863	320	42	46	17
21	292	23	18	23	17	23	92	911	305	42	43	19
22	98	32	23	19	17	22	97	926	280	40	37	18
23	71	28	22	21	17	26	108	920	266	38	33	17
24	66	20	e27	23	16	24	164	941	259	38	31	17
25	53	16	25	23	16	23	156	937	241	38	30	16
26	46	16	21	20	16	23	169	921	198	43	29	16
27	58	14	15	19	16	26	195	855	170	34	28	19
28	29	11	15	17	17	32	176	867	163	32	27	25
29	24	9.4	28	e16	---	28	120	883	154	34	26	21
30	26	e9.0	17	e16	---	27	167	855	148	33	25	19
31	25	---	15	16	---	24	---	829	---	32	25	---
Total	1,481.7	1,218.4	616.0	549	463	880	3,214	17,957	11,734	1,920	1,858	592
Mean	47.8	40.6	19.9	17.7	16.5	28.4	107	579	391	61.9	59.9	19.7
Max	502	269	28	29	19	55	195	941	1,010	145	236	25
Min	7.0	9.0	9.0	13	15	17	27	161	148	32	25	16
Ac-ft	2,940	2,420	1,220	1,090	918	1,750	6,370	35,620	23,270	3,810	3,690	1,170

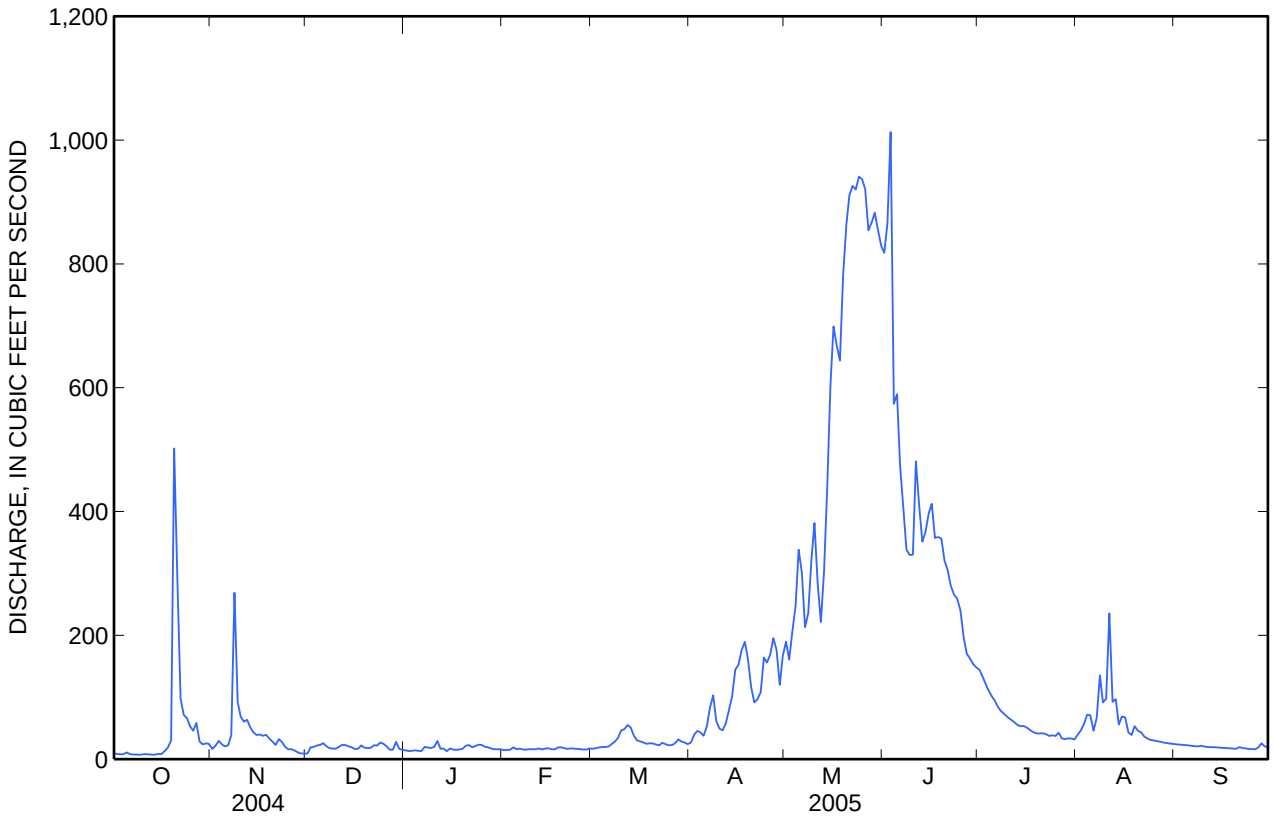
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	13.0	11.9	10.5	10.2	11.8	18.3	55.4	148	72.8	22.7	17.5	13.9
Max	47.8	40.6	21.3	17.7	18.6	39.5	140	579	428	69.9	59.9	46.8
(WY)	(2005)	(2005)	(1984)	(2005)	(1947)	(1995)	(1985)	(2005)	(1983)	(1983)	(2005)	(1998)
Min	6.17	5.95	5.78	6.41	7.40	9.10	17.1	12.3	7.53	6.75	5.81	6.33
(WY)	(1991)	(1978)	(1991)	(1951)	(1960)	(1951)	(1975)	(2002)	(2002)	(2002)	(2002)	(1956)

10242000 COAL CREEK NEAR CEDAR CITY, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1939 - 2005	
Annual total	10,231.9		42,483.1			
Annual mean	28.0		116		34.0	
Highest annual mean					116	2005
Lowest annual mean					9.60	2002
Highest daily mean	502	Oct 20	1,010	Jun 3	1,080	May 31, 1983
Lowest daily mean	5.5	Aug 12	7.0	Oct 9	2.1	Nov 3, 1990
Annual seven-day minimum	5.7	Aug 7	7.5	Oct 8	2.5	Oct 28, 1990
Annual runoff (ac-ft)	20,290		84,270		24,600	
10 percent exceeds	60		344		76	
50 percent exceeds	16		28		13	
90 percent exceeds	7.6		15		7.8	



410401112134801 GSL FARMINGTON BAY OUTFLOW AT CAUSEWAY BRIDGE

Great Salt Lake Basin

LOCATION.--Lat 41°04′01″, long 112°13′48″ referenced to North American Datum of 1927, Davis County, Hydrologic Unit 16020310, near west end of Antelope Island State Park causeway, about 9 mi west-southwest of Syracuse .

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and acoustic velocity meter.

REMARKS.--Records good except for estimated daily discharges, which are poor. Partial water year record for 2005. Flow between Farmington Bay and Great Salt Lake is mainly controlled by the water-surface elevation of GreatSalt Lake (GSL) near causeway bridge. Wind also controls discharge between the two bodies of water. Under calm conditions flow generally occurs from Farmington Bay to GSL. Depending on the wind direction, flow can increase into GSL, or reverse which is represented by negative discharge.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,370 ft^3/s, Jun 22, 2005, gage height 7.70; minimum daily discharge, -290 ft^3/s, Sep 24, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,370 ft^3/s, Jun 22, gage height, 7.70 ft; minimum daily discharge, -290 ft^3/s, Sep 24.

410401112134801 GLS FARMINGTON BAY OUTFLOW AT CAUSEWAY BRIDGE, 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	97	747	613	---	---	527	782	365	---	60	851	307
2	111	989	669	---	---	483	779	509	---	-16	270	386
3	87	951	640	---	---	313	773	403	---	-271	317	893
4	122	949	648	---	---	328	442	357	---	115	228	701
5	89	954	565	---	---	186	660	728	---	90	270	182
6	110	927	551	---	---	217	735	542	---	158	368	231
7	154	908	e553	---	---	220	803	433	---	161	339	225
8	141	872	---	---	---	208	441	268	---	222	243	383
9	188	925	---	---	---	195	156	318	---	178	240	881
10	4.4	884	---	---	---	161	86	189	---	-267	269	-266
11	53	790	---	---	---	202	741	331	---	-244	272	-160
12	60	748	---	---	---	161	831	481	---	165	213	191
13	33	744	---	---	---	96	995	367	---	174	123	321
14	86	764	---	---	---	164	329	396	---	-19	263	308
15	149	762	---	---	---	304	340	592	---	131	351	508
16	146	723	---	---	---	187	490	e776	---	145	352	392
17	174	769	---	---	e727	159	564	---	---	-208	632	142
18	79	699	---	---	771	399	192	---	---	251	109	185
19	127	615	---	---	791	239	357	---	---	218	378	309
20	324	635	---	---	823	342	813	---	---	177	306	207
21	292	597	---	---	823	236	594	---	---	217	372	366
22	217	654	---	---	757	686	664	---	---	328	401	404
23	414	658	---	---	809	470	836	---	337	312	670	691
24	314	684	---	---	691	351	775	---	205	388	238	-290
25	356	661	---	---	671	124	332	---	701	-102	103	197
26	462	599	---	---	629	578	406	---	109	-11	243	340
27	536	570	---	---	653	635	679	---	61	245	312	325
28	760	e142	---	---	619	512	373	---	83	349	286	152
29	832	e488	---	---	---	512	433	---	-45	22	490	359
30	832	623	---	---	---	348	350	---	50	193	-89	e426
31	711	---	---	---	---	683	---	---	---	224	272	---
Total	8,060.4	22,031	---	---	---	10,226	16,751	---	---	3,385	9,692	9,296
Mean	260	734	---	---	---	330	558	---	---	109	313	310
Max	832	989	---	---	---	686	995	---	---	388	851	893
Min	4.4	142	---	---	---	96	86	---	---	-271	-89	-290
Ac-ft	15,990	43,700	---	---	---	20,280	33,230	---	---	6,710	19,220	18,440

411316112132201 NORTH FORK WEBER RIVER NEAR WEST WARREN, UT

Weber River Basin

LOCATION.--Lat 41°13'16.1", long 112°13'22.5" referenced to North American Datum of 1927, Weber County, Hydrologic Unit 16020102, on right bank 2 mi south of S.R.0 39, 3.5 mi west of West Warren, Utah.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 2004 to September 2005 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 4,192 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Flow extensively regulated by Ogden Bay Waterfowl Management Area.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft^3/s, May 12, 2005, gage height, 6.80 ft; minimum daily discharge, 4.5 ft^3/s, Feb 6-11, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 142 ft^3/s, May 12, gage height, 6.80 ft; minimum daily discharge, 4.5 ft^3/s, Feb 6-11.

411316112132201 NORTH FORK WEBER RIVER NEAR WEST WARREN, 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	69	47	27	6.7	5.5	68	89	58	41	36	36
2	46	69	45	26	5.8	5.4	65	87	59	63	36	30
3	47	68	47	25	5.3	5.8	61	79	55	67	38	30
4	46	67	47	24	5.0	5.7	59	69	52	67	47	30
5	45	67	41	25	4.7	8.7	57	68	53	64	55	31
6	44	66	37	27	4.5	12	53	72	52	55	55	32
7	45	66	36	26	e4.5	16	62	78	53	42	54	32
8	45	66	39	27	e4.5	18	74	83	67	34	53	33
9	44	65	52	29	e4.5	19	78	87	67	31	51	34
10	43	63	72	41	e4.5	20	69	87	66	34	50	34
11	42	63	81	62	e4.5	21	61	112	62	37	50	35
12	42	61	80	67	5.3	21	52	132	73	38	51	38
13	40	59	77	72	10	20	45	131	97	40	53	41
14	35	57	71	68	14	20	48	116	84	40	55	43
15	30	54	62	63	12	21	54	103	75	39	55	42
16	31	39	50	52	9.5	20	59	96	66	39	56	41
17	35	35	43	25	7.5	19	58	112	65	39	60	39
18	38	43	36	11	6.6	19	56	129	66	39	63	37
19	39	46	32	8.2	6.5	17	59	110	70	41	62	36
20	47	46	30	7.1	14	24	71	97	80	42	61	36
21	57	42	29	6.5	23	27	77	102	81	38	61	36
22	63	38	28	6.0	16	35	70	124	79	31	59	35
23	64	38	27	5.8	12	42	64	134	77	30	59	37
24	65	38	27	5.5	10	61	64	134	77	31	59	38
25	65	37	27	5.2	8.7	74	66	125	80	32	57	37
26	65	39	25	4.9	7.7	74	71	116	77	31	57	38
27	65	41	24	5.2	6.8	69	75	89	73	32	55	37
28	68	46	24	6.5	6.0	61	79	67	67	32	53	36
29	68	51	25	8.3	---	57	90	55	54	32	52	35
30	68	48	26	9.5	---	61	91	52	40	32	51	35
31	69	---	27	7.9	---	64	---	57	---	34	46	---
Total	1,547	1,587	1,314	783.6	230.1	943.1	1,956	2,992	2,025	1,247	1,650	1,074
Mean	49.9	52.9	42.4	25.3	8.22	30.4	65.2	96.5	67.5	40.2	53.2	35.8
Max	69	69	81	72	23	74	91	134	97	67	63	43
Min	30	35	24	4.9	4.5	5.4	45	52	40	30	36	30
Ac-ft	3,070	3,150	2,610	1,550	456	1,870	3,880	5,930	4,020	2,470	3,270	2,130

	Water Year 2005
Total	17,348.8
Mean	47.5
Max	134
Min	4.5
Ac-ft	34,410

411403112200801 BEAR RIVER BAY OUTFLOW AT GREAT SALT LAKE MINERALS CORP. BRIDGE, UT

Great Salt Lake Basin

LOCATION.--Lat 41°16′17″, long 112°21′22″ referenced to North American Datum of 1983, Weber County, Hydrologic Unit 16020310, at Great Salt Lake Minerals Company bridge, about 2.5 mi north of the Union Pacific Railroad causeway bridge over Bear River Bay.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March to September 2005.

GAGE.--Water-stage recorder and acoustic velocity meter.

REMARKS.--Records fair. Partial water year record. Flow between Bear River Bay and Great Salt Lake is mainly controlled by the water surface elevation of Great Salt Lake (GSL) near the bridge. Wind also controls discharge between the two bodies of water. Under calm conditions flow generally occurs from Bear River Bay to GSL. Depending upon the wind direction flow can increase into GSL, or reverse which is represented by negative discharges.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,600 ft^3/s, May 12, 2005; minimum daily discharge, -713 ft^3/s, Sep 20, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 12,100 ft^3/s, May 12, 13; minimum daily discharge, -713 ft^3/s, Sep 20.

411403112200801 BEAR RIVER OUTFLOW AT GREAT SALT LAKE MINERALS CORP. BRIDGE, 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	---	---	---	---	---	e2,480	e3,230	e6,380	e4,680	e1,280	e-245	e-47
2	---	---	---	---	---	e3,000	e3,570	e5,320	e5,110	e1,350	e-39	e25
3	---	---	---	---	---	e2,620	e2,830	e5,610	e4,810	e1,360	e-23	e25
4	---	---	---	---	---	e3,260	e3,670	e6,740	e3,640	e1,010	e-106	e34
5	---	---	---	---	---	e2,760	e3,450	e7,350	e2,430	e768	e16	e-14
6	---	---	---	---	---	e1,450	e3,490	e5,260	e4,100	e391	e-26	e-48
7	---	---	---	---	---	e1,430	e2,910	e7,140	e2,470	e162	e26	e131
8	---	---	---	---	---	e1,740	e3,240	e9,860	e3,360	e-19	e-55	e-86
9	---	---	---	---	---	e2,820	e4,710	e8,050	e3,100	e427	e20	e0.22
10	---	---	---	---	---	e3,180	e4,100	e9,510	e2,420	e1,070	e1.4	e-40
11	---	---	---	---	---	e1,940	e2,140	e9,130	e519	e557	e8.8	e16
12	---	---	---	---	---	e2,290	e3,490	e12,100	e1,240	e33	e17	e-64
13	---	---	---	---	---	e2,800	e746	e12,100	e636	e-36	e48	e-171
14	---	---	---	---	---	e1,390	e4,680	e10,900	e822	e264	e-20	e-121
15	---	---	---	---	---	e413	e4,320	e8,900	e1,050	e-102	e-7.5	e-117
16	---	---	---	---	---	e1,710	e3,510	e8,270	e1,580	e-22	e-12	e-229
17	---	---	---	---	---	e2,940	e2,860	e8,740	e2,120	e-43	e-63	e-21
18	---	---	---	---	---	e2,210	e4,950	e10,100	e2,100	e-53	e-32	e-53
19	---	---	---	---	---	e2,310	e2,550	e10,000	e819	e-123	e29	e-443
20	---	---	---	---	---	e3,150	e1,720	e10,500	e1,550	e-30	e-32	e-713
21	---	---	---	---	---	e4,040	e5,150	e6,800	e1,420	e-56	e-22	e-56
22	---	---	---	---	---	e3,050	e4,980	e4,770	e11	e-169	e-75	e-247
23	---	---	---	---	---	e4,160	e3,980	e4,540	e3,040	e-32	e-76	e-46
24	---	---	---	---	---	e5,830	e4,030	e5,140	e2,890	e-152	e-44	e2.7
25	---	---	---	---	---	e6,750	e4,560	e4,220	e1,130	e102	e-60	e-11
26	---	---	---	---	---	e3,210	e4,000	e3,040	e2,800	e-28	e-62	e131
27	---	---	---	---	---	e3,680	e1,660	e3,220	e2,210	e-36	e-13	e108
28	---	---	---	---	---	e4,110	e5,380	e3,000	e2,190	e10	e-80	e-73
29	---	---	---	---	---	e4,240	e5,580	e3,680	e2,020	e103	e-24	e58
30	---	---	---	---	---	e5,630	e5,440	e4,020	e1,730	e-34	e47	e107
31	---	---	---	---	---	e3,770	---	e3,340	---	e72	e25	---
Total	---	---	---	---	---	94,363	110,926	217,730	67,997	8,024	-878.3	-1,962.08
Mean	---	---	---	---	---	3,044	3,698	7,024	2,267	259	-28.3	-65.4
Max	---	---	---	---	---	6,750	5,580	12,100	5,110	1,360	48	131
Min	---	---	---	---	---	413	746	3,000	11	-169	-245	-713
Ac-ft	---	---	---	---	---	187,200	220,000	431,900	134,900	15,920	-1,740	-3,890

403258112123201 BIG SPRING IN PINE CANYON NEAR TOOELE, UT

Great Salt Lake Basin

LOCATION.--Lat 40°32′58″, long 112°12′32″ referenced to North American Datum of 1927, in SE ¼ NE ¼ NW ¼ sec.20, T.3 S., R.3 W., Tooele County, Hydrologic Unit 16020304.

DRAINAGE AREA.—Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 5,560 ft above NGVD of 1929, from topographic map.

REMARKS.--Owned by Kennecott Utah Copper. Records good except for estimated daily discharges, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3.0 ft^3/s, Jun 2, 2001; minimum discharge, 0.16 ft^3/s, Nov 30, Dec 1, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge 2.7 ft^3/s, May 31 to Jun 4; minimum discharge .37 ft^3/s, several days in Jan and Feb.

403258112123201 BIG SPRING IN PINE CANYON NEAR TOOELE, 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	0.61	0.50	0.51	0.48	0.37	0.46	0.49	e1.1	e2.7	2.1	1.6	1.3
2	0.61	0.48	0.51	0.48	0.37	0.46	0.51	e1.2	e2.7	2.1	1.5	1.2
3	0.63	0.49	0.51	0.48	0.37	0.46	0.51	e1.2	e2.7	2.1	1.5	1.2
4	0.62	0.50	0.51	0.48	0.37	0.46	0.52	e1.3	e2.7	2.0	1.5	1.2
5	0.63	0.51	0.51	0.48	0.38	0.46	0.51	e1.3	e2.6	2.0	1.5	1.2
6	0.61	0.51	0.51	0.48	0.40	0.46	0.51	e1.4	e2.6	1.9	1.4	1.2
7	0.61	0.51	0.51	0.48	0.43	0.46	0.52	e1.4	e2.6	1.9	1.4	1.2
8	0.61	0.51	0.50	0.46	0.43	0.46	0.55	e1.5	e2.6	1.9	1.4	1.2
9	0.61	0.51	0.48	0.46	0.43	0.47	0.54	e1.5	e2.6	1.9	1.4	1.2
10	0.61	0.51	0.48	0.46	0.43	0.49	0.55	e1.6	e2.6	1.8	1.4	1.2
11	0.61	0.51	0.48	0.47	0.43	0.51	0.58	e1.6	e2.6	1.8	1.4	1.2
12	0.61	0.51	0.48	0.47	0.43	0.50	0.58	e1.7	e2.6	1.8	1.4	1.2
13	0.61	0.48	0.48	0.46	0.43	0.49	0.60	e1.7	e2.6	1.8	1.4	1.1
14	0.61	0.48	0.48	0.46	0.43	0.49	0.62	e1.8	e2.6	1.8	1.3	1.1
15	0.61	0.48	0.48	0.46	0.44	0.49	0.64	e1.8	e2.6	1.8	1.3	1.1
16	0.61	0.48	0.48	0.46	0.43	0.50	0.66	e1.9	e2.6	1.7	1.3	1.1
17	0.61	0.48	0.48	0.46	0.43	0.51	0.69	e1.9	e2.6	1.7	1.3	1.1
18	0.63	0.48	0.48	0.46	0.43	0.51	0.72	e2.0	e2.6	1.7	1.3	1.1
19	0.62	0.51	0.48	0.46	0.43	0.51	0.75	e2.1	e2.6	1.7	1.3	1.1
20	0.64	0.51	0.48	0.43	0.43	0.53	0.79	e2.1	e2.6	1.7	1.3	1.1
21	0.59	0.51	0.48	0.37	0.43	0.51	0.81	e2.2	e2.6	1.7	1.3	1.1
22	0.58	0.51	0.48	0.37	0.44	0.52	0.84	e2.2	2.6	1.6	1.3	1.1
23	0.58	0.51	0.48	0.37	0.45	0.53	0.91	e2.3	2.5	1.6	1.3	1.1
24	0.58	0.51	0.48	0.37	0.43	0.53	0.97	e2.4	2.4	1.6	1.3	1.1
25	0.58	0.52	0.48	0.37	0.46	0.54	0.95	e2.4	2.3	1.6	1.3	1.1
26	0.58	0.52	0.48	0.37	0.46	0.53	0.95	e2.5	2.3	1.6	1.3	1.1
27	0.55	0.53	0.48	0.37	0.46	0.52	0.99	e2.5	2.2	1.6	1.3	1.1
28	0.58	0.54	0.48	0.37	0.46	0.55	e1.0	e2.6	2.2	1.6	1.3	1.1
29	0.50	0.51	0.49	0.38	---	0.54	e1.1	e2.6	2.1	1.6	1.3	1.0
30	0.48	0.51	0.48	0.37	---	0.50	e1.1	e2.6	2.1	1.6	1.3	1.0
31	0.51	---	0.48	0.37	---	0.48	---	e2.7	---	1.6	1.3	---
Total	18.42	15.12	15.12	13.41	11.88	15.43	21.46	59.1	75.7	54.9	42.2	34.1
Mean	0.59	0.50	0.49	0.43	0.42	0.50	0.72	1.91	2.52	1.77	1.36	1.14
Max	0.64	0.54	0.51	0.48	0.46	0.55	1.1	2.7	2.7	2.1	1.6	1.3
Min	0.48	0.48	0.48	0.37	0.37	0.46	0.49	1.1	2.1	1.6	1.3	1.0
Ac-ft	37	30	30	27	24	31	43	117	150	109	84	68

	Calendar Year 2004	Water Year 2005
Total	304.70	376.84
Mean	0.83	1.03
Max	2.4	2.7
Min	0.31	0.37
Ac-ft	604	747

403835112171801 MILL SPRING NEAR ERDA, UT

Great Salt Lake Basin

LOCATION.--Lat 40°38′35″, long 112°17′18″ referenced to North American Datum of 1927, in SW ¼ NE ¼ SW ¼ sec.15, T.2 S., R.4 W., Tooele County, Hydrologic Unit 16020304.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

REVISIONS.--The maximum daily discharge for water 2004 has been revised to 8.9 ft^3/s,September 19. The minimum daily discharge for water year 2004 has been revised to 1.3 ft^3/s, October 22,23. The minimum daily discharge for water year 2003 has been revised to 0.94 ft^3/s , July 22. Revised daily discharges,in cubic feet per second, for Water Years 2003 and 2004 are given below. These figures supersede those published in the reports for 2003 and 2004.

REVISED RECORDS.--WDR UT-05-1: 2003,2004

PERIOD OF RECORD.--June 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,300 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 16.0 ft^3/s, Jul 17, 2002; mininum daily discharge, 0.67 ft^3/s, Oct 14, 2001.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 10 ft^3/s, on several days in May and Jun; minimum daily discharge, 2.2 ft^3/s, Aug 9.

403835112171801 MILL SPRING NEAR ERDA, 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	8.8	e6.4	e6.5	e6.6	7.5	7.2	6.7	6.9	8.8	8.2	3.9	6.0
2	7.8	e6.4	e6.5	e6.6	7.5	7.2	6.8	7.2	10	7.9	2.7	6.8
3	6.5	e6.4	e6.5	e7.4	7.5	7.2	7.2	7.3	9.5	7.8	4.7	6.4
4	6.3	e6.4	e6.5	8.1	7.6	7.1	7.1	7.4	9.3	7.6	5.1	5.7
5	2.8	e6.4	e6.5	9.6	7.5	7.0	6.8	7.6	9.4	5.1	4.9	6.2
6	4.7	e6.4	e6.5	8.7	7.4	6.9	6.8	8.0	10	7.0	4.0	7.0
7	7.1	e6.4	e6.5	8.3	7.6	7.0	7.1	7.8	10	8.9	3.7	6.8
8	7.8	e6.4	e6.5	8.0	7.7	7.0	7.2	7.8	10	8.7	3.7	6.3
9	8.1	e6.4	e6.6	7.9	7.5	7.3	7.2	7.9	9.7	7.8	2.2	6.9
10	8.6	e6.4	e6.6	7.9	7.4	7.3	6.6	6.2	8.9	7.5	5.3	7.1
11	9.3	e6.4	e6.6	7.9	7.4	7.3	6.4	8.7	8.4	7.4	5.2	6.5
12	4.9	e6.4	e6.6	8.1	7.5	7.3	6.6	10	8.3	4.3	4.8	7.0
13	3.8	e6.4	e6.6	7.9	7.5	7.3	6.5	9.7	8.5	5.0	4.2	6.4
14	4.9	e6.4	e6.6	7.7	7.3	7.3	6.1	9.1	8.7	5.6	4.0	5.6
15	7.4	e6.4	e6.6	7.5	7.6	7.3	6.1	8.4	9.0	5.6	4.0	6.9
16	8.6	e6.4	e6.6	7.4	7.4	7.2	6.4	8.4	8.4	4.9	4.6	7.5
17	8.3	e6.4	e6.6	7.4	7.3	7.1	6.8	8.1	8.3	4.5	4.9	6.8
18	7.6	e6.4	e6.6	7.3	7.3	7.2	6.5	7.8	8.1	4.4	4.3	7.3
19	8.0	e6.5	e6.6	7.2	7.3	7.1	6.3	8.3	8.2	2.7	5.1	8.0
20	9.0	e6.5	e6.6	6.8	7.3	7.6	6.2	8.6	8.1	5.1	4.9	7.4
21	9.6	e6.5	e6.6	6.7	7.4	7.2	6.1	8.4	4.9	5.8	4.3	6.6
22	8.2	e6.5	e6.6	6.7	7.3	7.1	6.1	8.8	7.2	5.0	4.5	6.8
23	7.5	e6.5	e6.6	6.8	7.3	7.1	6.3	8.8	9.2	4.6	5.1	6.8
24	7.5	e6.5	e6.6	6.8	7.3	7.1	6.3	6.6	9.1	5.1	5.3	6.6
25	6.9	e6.5	e6.6	6.9	7.3	7.6	6.3	8.9	8.4	4.8	4.6	7.3
26	6.3	e6.5	e6.6	7.0	7.3	7.4	6.4	9.4	7.8	2.5	4.6	7.9
27	e6.3	e6.5	e6.6	7.3	7.3	7.2	6.6	9.2	8.0	4.7	4.2	7.4
28	e6.3	e6.5	e6.6	7.3	7.2	7.1	6.6	9.4	4.7	5.3	4.3	6.0
29	e6.3	e6.5	e6.6	7.4	---	7.1	6.6	9.1	7.0	4.4	5.1	5.9
30	e6.3	e6.5	e6.6	7.4	---	6.8	6.8	10	8.3	4.1	6.1	6.3
31	e6.3	---	e6.6	7.5	---	6.8	---	7.6	---	4.1	6.0	---
Total	217.8	193.2	203.8	232.1	207.5	222.4	197.5	257.4	254.2	176.4	140.3	202.2
Mean	7.03	6.44	6.57	7.49	7.41	7.17	6.58	8.30	8.47	5.69	4.53	6.74
Max	9.6	6.5	6.6	9.6	7.7	7.6	7.2	10	10	8.9	6.1	8.0
Min	2.8	6.4	6.5	6.6	7.2	6.8	6.1	6.2	4.7	2.5	2.2	5.6
Ac-ft	432	383	404	460	412	441	392	511	504	350	278	401

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.87	7.59	7.80	8.84	8.45	8.99	7.98	8.20	8.47	7.26	6.04	6.87
Max	8.75	9.05	9.42	12.8	9.75	12.1	10.1	9.61	12.9	11.3	7.20	8.37
(WY)	(2001)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2001)	(2000)
Min	4.65	6.11	6.30	7.15	7.02	6.81	6.47	6.77	5.76	3.43	4.53	5.35
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2005)	(2003)

403835112171801 MILL SPRING NEAR ERDA, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2000 - 2005	
Annual total	2,380.8		2,504.8			
Annual mean	6.50		6.86		7.72	
Highest annual mean					9.65	2002
Lowest annual mean					6.25	2004
Highest daily mean	9.6	Oct 21	10	May 12	16	Jul 17, 2002
Lowest daily mean	2.6	Jul 6	2.2	Aug 9	0.67	Oct 14, 2001
Annual seven-day minimum	4.8	Aug 3	4.0	Aug 3	2.5	Jul 16, 2003
Annual runoff (ac-ft)	4,720		4,970		5,590	
10 percent exceeds	7.4		8.6		10	
50 percent exceeds	6.6		6.9		7.4	
90 percent exceeds	5.3		4.9		5.1	

403835112171801 MILL SPRING NEAR ERDA, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	8.0	7.6	8.6	8.1	8.8	9.1	6.3	e6.0	e7.3	e4.1	e4.7	e5.5
2	7.8	7.6	8.6	8.1	9.8	9.4	8.3	e6.2	e7.5	e3.8	e4.9	e5.4
3	7.5	7.7	8.5	8.1	9.6	9.7	8.1	e6.3	e7.7	e3.6	e5.0	e5.4
4	7.3	8.0	8.4	8.1	9.4	9.4	8.5	e6.3	e7.8	e3.4	e5.0	e5.5
5	7.3	8.0	8.5	8.1	9.1	9.4	8.7	e6.3	e7.9	e3.4	e5.1	e5.4
6	7.3	8.1	8.5	8.1	8.8	9.4	8.7	e6.5	e7.9	e3.6	e5.1	e5.4
7	7.3	8.5	8.5	8.1	8.7	9.7	4.4	e7.0	e8.0	e3.8	e5.2	e5.4
8	7.3	11	8.4	8.1	8.6	9.8	6.8	e6.9	e8.0	e3.7	e5.2	e5.3
9	7.4	12	8.4	8.0	8.7	9.7	8.3	e7.0	e8.2	e3.6	e5.2	e5.3
10	7.5	12	8.5	8.1	8.8	9.7	8.2	e7.1	e8.3	e3.9	e5.2	e5.3
11	7.4	10	8.5	8.3	8.9	9.8	8.1	e7.0	e8.5	e4.1	e5.3	e5.3
12	7.2	8.7	8.5	8.4	8.6	9.6	7.9	e6.8	e8.6	e3.9	e5.3	e5.3
13	7.1	8.5	8.5	8.4	8.5	9.2	7.7	e7.1	e7.8	e3.8	e5.3	e5.3
14	7.1	8.4	8.5	8.8	8.5	9.4	3.5	e7.1	e7.1	e3.5	e5.3	e5.3
15	7.0	8.4	8.3	9.0	8.7	9.8	4.9	e7.0	e7.0	e1.2	e5.3	e5.3
16	7.0	8.4	8.2	8.8	8.9	9.6	7.9	e6.9	e7.4	e1.3	e5.4	e5.3
17	7.0	8.4	8.3	8.7	8.9	9.6	7.0	e7.0	e2.2	e2.5	e5.5	e5.3
18	7.1	8.4	8.3	8.7	9.2	9.2	5.9	e6.9	e4.3	e2.9	e5.5	e5.2
19	7.0	8.4	8.2	8.9	8.9	9.4	5.8	e6.8	e6.5	e3.5	e4.4	e5.3
20	7.2	8.4	8.1	8.7	8.9	7.9	2.9	e7.1	e5.8	e3.3	e3.7	e5.3
21	7.3	8.4	8.1	8.4	8.9	8.1	e4.2	e7.0	e5.5	e3.0	e6.0	e5.3
22	7.3	9.4	8.3	8.3	8.8	8.1	e5.1	e6.9	e5.4	e0.94	e5.7	e5.3
23	7.3	11	8.2	8.3	9.1	8.2	5.8	e7.1	e5.7	e2.1	e5.6	e5.5
24	7.4	12	8.1	8.5	9.1	8.1	5.9	e7.0	e4.9	e3.8	e5.5	e5.7
25	7.5	11	8.1	8.5	9.1	8.3	5.7	e6.9	e6.2	e4.3	e5.5	e5.9
26	7.7	8.9	8.1	8.6	9.2	8.4	5.8	e7.1	e5.9	e4.9	e5.5	e5.7
27	8.0	8.6	8.2	8.7	9.3	8.1	5.8	e7.0	e4.8	e5.0	e5.5	e5.9
28	7.7	8.6	8.1	9.2	9.1	e7.9	5.8	e7.0	e4.5	e4.9	e5.5	e5.9
29	7.4	8.5	7.9	8.6	---	e7.5	e6.0	e6.9	e4.6	e3.0	e5.5	e6.0
30	7.3	8.5	8.0	8.6	---	e7.3	e6.0	e7.0	e4.6	e3.1	e5.5	e2.5
31	7.5	---	8.2	8.6	---	e7.0	---	e7.3	---	e4.3	e5.4	---
Total	228.2	271.4	257.6	261.9	250.9	275.8	194.0	212.5	195.9	106.24	162.8	160.5
Mean	7.36	9.05	8.31	8.45	8.96	8.90	6.47	6.85	6.53	3.43	5.25	5.35
Max	8.0	12	8.6	9.2	9.8	9.8	8.7	7.3	8.6	5.0	6.0	6.0
Min	7.0	7.6	7.9	8.0	8.5	7.0	2.9	6.0	2.2	0.94	3.7	2.5
Ac-ft	453	538	511	519	498	547	385	421	389	211	323	318

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2003, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.56	8.47	8.71	9.86	9.29	10.3	8.75	8.64	9.38	8.05	6.60	7.01
Max	8.75	9.05	9.42	12.8	9.75	12.1	10.1	9.61	12.9	11.3	7.20	8.37
(WY)	(2001)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2001)	(2000)
Min	6.56	7.58	8.31	8.36	8.96	8.90	6.47	6.85	6.53	3.43	5.25	5.35
(WY)	(2002)	(2002)	(2003)	(2001)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)

403835112171801 MILL SPRING NEAR ERDA, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2002		Water Year 2003		Water Years 2000 - 2003	
Annual total	3,556.14		2,577.74			
Annual mean	9.74		7.06		8.50	
Highest annual mean					9.65	2002
Lowest annual mean					7.06	2003
Highest daily mean	16	Jul 17	12	Nov 9	16	Jul 17, 2002
Lowest daily mean	0.94	May 13	0.94	Jul 22	0.67	Oct 14, 2001
Annual seven-day minimum	5.5	May 8	2.5	Jul 16	2.5	Jul 16, 2003
Annual runoff (ac-ft)	7,050		5,110		6,160	
10 percent exceeds	13		9.1		12	
50 percent exceeds	8.6		7.4		8.5	
90 percent exceeds	7.0		4.4		5.3	

403835112171801 MILL SPRING NEAR ERDA, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e3.3	e5.9	e6.0	e6.8	e7.0	e7.0	5.8	7.1	6.5	6.1	5.4	5.1
2	e5.1	e5.8	e6.0	e6.9	e7.0	e6.8	7.1	7.1	6.6	6.7	5.9	5.4
3	e5.6	e6.0	e6.0	e7.0	e7.0	e6.7	8.4	7.1	6.9	6.3	2.9	6.1
4	e5.8	e6.0	e6.0	e7.0	e7.1	e6.7	7.4	7.6	6.8	6.1	4.2	6.5
5	e5.6	e5.9	e6.0	e6.9	e7.1	e6.7	7.0	7.5	6.8	6.2	5.2	6.7
6	e5.3	e5.9	e5.9	e7.0	e7.0	e6.7	6.9	6.9	6.9	2.6	5.4	6.8
7	e2.2	e5.9	e6.0	e7.0	e7.0	e6.6	7.0	6.9	6.3	4.6	5.0	3.6
8	e3.4	e5.9	e6.1	e7.0	e7.1	e6.7	7.2	6.9	6.0	5.8	5.0	6.6
9	e5.0	e5.9	e6.0	e7.1	e7.0	e6.7	7.0	7.0	6.1	5.9	5.6	8.3
10	e5.1	e6.1	e6.0	e7.2	e6.9	e6.7	6.7	6.9	6.1	5.7	3.1	7.4
11	e5.2	e6.1	e6.1	e7.1	e6.9	e6.7	7.1	6.8	6.0	5.6	6.2	6.5
12	e5.3	e6.1	e6.2	e7.2	e6.9	e6.7	7.1	6.9	5.9	5.8	5.7	6.4
13	e5.3	e6.1	e6.3	e7.1	e6.9	e6.7	7.1	6.9	6.0	3.6	5.4	6.2
14	e3.0	e6.2	e6.3	e7.1	e6.9	e6.8	7.0	6.8	6.0	5.4	5.7	3.8
15	e4.1	e6.2	e6.2	e7.2	e6.9	e6.8	6.9	6.7	3.3	7.0	6.4	6.9
16	e5.4	e6.4	e6.2	e7.2	e6.9	e6.9	6.9	6.8	4.7	7.1	6.2	7.5
17	e5.7	e6.5	e6.2	e7.2	e6.9	e6.9	6.9	6.9	5.9	6.6	3.4	7.9
18	e6.0	e6.5	e6.3	e7.2	e6.9	e7.0	7.2	6.7	6.0	6.4	4.3	8.3
19	e6.0	e6.4	e6.3	e7.2	e7.2	e7.0	7.1	6.7	6.0	6.7	e6.0	8.9
20	e5.6	e6.4	e6.4	e7.2	e7.1	e7.0	7.0	6.8	6.2	4.8	e6.0	8.3
21	e2.8	e6.3	e6.4	e7.2	e7.0	e7.1	7.2	6.6	5.8	4.9	e5.9	3.7
22	e1.3	e6.3	e6.4	e7.2	e7.0	e7.5	7.2	6.6	3.2	6.4	e5.9	4.0
23	e1.3	e6.1	e6.5	e7.3	e7.0	e8.6	7.1	6.4	4.2	6.2	e5.8	5.9
24	e1.5	e6.1	e6.5	e7.3	e7.0	e7.8	7.1	6.2	6.0	6.6	e3.8	6.6
25	e4.1	e6.1	e6.6	e7.4	e7.0	e7.6	7.1	6.2	6.3	6.5	e6.0	7.3
26	e5.7	e6.1	e6.6	e7.3	e7.1	e7.4	7.1	6.3	6.2	6.4	5.6	8.5
27	e6.0	e6.0	e6.7	e7.3	e7.1	e7.0	7.0	6.4	6.2	3.2	5.6	7.5
28	e5.8	e6.0	e6.7	e7.3	e7.4	e6.0	7.1	6.5	6.2	4.9	5.7	3.0
29	e5.8	e6.0	e6.7	e7.3	e7.3	e5.0	7.2	6.7	3.3	5.3	6.7	5.3
30	e5.9	e6.0	e6.8	e7.2	---	5.7	7.1	6.5	4.4	5.6	7.2	8.5
31	e5.9	---	e6.8	e7.1	---	5.6	---	6.4	---	5.4	4.1	---
Total	144.1	183.2	195.2	221.5	203.6	211.1	212.0	209.8	172.8	176.4	165.3	193.5
Mean	4.65	6.11	6.30	7.15	7.02	6.81	7.07	6.77	5.76	5.69	5.33	6.45
Max	6.0	6.5	6.8	7.4	7.4	8.6	8.4	7.6	6.9	7.1	7.2	8.9
Min	1.3	5.8	5.9	6.8	6.9	5.0	5.8	6.2	3.2	2.6	2.9	3.0
Ac-ft	286	363	387	439	404	419	421	416	343	350	328	384

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2004, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	6.83	7.88	8.11	9.18	8.71	9.44	8.33	8.17	8.47	7.58	6.34	6.90
Max	8.75	9.05	9.42	12.8	9.75	12.1	10.1	9.61	12.9	11.3	7.20	8.37
(WY)	(2001)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2001)	(2002)	(2002)	(2001)	(2000)
Min	4.65	6.11	6.30	7.15	7.02	6.81	6.47	6.77	5.76	3.43	5.25	5.35
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)	(2004)	(2003)	(2003)	(2003)

403835112171801 MILL SPRING NEAR ERDA, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2003		Water Year 2004		Water Years 2000 - 2004	
Annual total	2,343.04		2,288.5			
Annual mean	6.42		6.25		7.93	
Highest annual mean					9.65	2002
Lowest annual mean					6.25	2004
Highest daily mean	9.8	Feb 2	8.9	Sep 19	16	Jul 17, 2002
Lowest daily mean	0.94	Jul 22	1.3	Oct 22	0.67	Oct 14, 2001
Annual seven-day minimum	2.5	Jul 16	3.2	Oct 20	2.5	Jul 16, 2003
Annual runoff (ac-ft)	4,650		4,540		5,750	
10 percent exceeds	8.9		7.2		11	
50 percent exceeds	6.1		6.5		7.9	
90 percent exceeds	3.9		5.0		5.3	