

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

LOCATION.--Lat 37°37'22", long 112°30'58", in SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> 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 mi<sup>2</sup>.

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

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 838 ft<sup>3</sup>/s, Jun 19, 1983, gage height, 5.13 ft, from rating curve extended above 640 ft<sup>3</sup>/s; minimum daily, 0.40 ft<sup>3</sup>/s, Nov 29, Dec 4, 5, 8, 22, 23, 24, and 25, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 250 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 9	0100	344	3.59	Aug 20	1350	*645	*4.62

Minimum daily discharge, 0.80 ft<sup>3</sup>/s, Feb 13, 14, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	4.3	e5.0	e2.6	e1.8	e4.5	5.9	76	61	18	12	8.7
2	3.4	4.3	e5.0	e2.6	e1.9	e4.5	7.9	84	58	18	13	8.7
3	3.8	4.5	e4.6	e2.2	e2.0	e5.0	8.3	106	54	18	11	8.5
4	3.9	e4.2	e4.2	e1.4	e1.8	e5.0	7.3	147	50	18	11	9.3
5	3.7	e4.0	e3.8	e1.2	e2.1	e5.0	6.6	233	43	17	11	9.4
6	3.5	e3.8	e3.4	e1.3	e2.1	e4.4	6.3	287	42	16	11	8.8
7	3.4	4.3	3.4	e1.4	e2.1	e4.8	6.9	300	39	15	11	8.4
8	3.4	4.2	e3.2	e1.4	e1.9	e5.0	8.3	299	38	15	10	8.1
9	3.3	4.0	e2.6	e1.4	e1.7	e5.2	8.4	304	38	14	10	8.3
10	3.2	4.0	e2.4	e1.5	e1.8	e5.0	8.6	295	38	14	9.4	8.9
11	3.4	3.9	e2.6	e1.5	e1.7	e5.0	10	275	37	14	9.1	9.6
12	3.4	3.9	e2.6	e1.4	e1.2	e4.0	9.1	231	35	13	8.9	8.6
13	3.1	4.7	e2.6	e1.4	e0.80	e3.5	9.5	196	33	13	8.9	8.0
14	3.2	e3.8	e2.8	e1.4	e0.80	e3.7	14	176	30	20	8.8	7.9
15	3.1	e3.8	e2.8	e1.5	e0.80	e3.5	19	172	27	20	8.9	7.9
16	3.0	4.0	e2.4	e1.2	e0.90	e3.3	20	163	28	25	9.2	e7.5
17	2.9	4.0	e2.6	e1.5	e0.90	3.3	27	158	27	25	9.4	e7.5
18	2.8	e3.8	e2.8	e1.2	0.93	3.5	33	144	26	19	8.8	e7.5
19	2.6	e3.6	e3.2	e1.5	0.99	4.0	31	145	24	18	8.5	e10
20	2.6	e3.6	e3.4	e1.4	1.1	4.5	24	137	24	17	38	e9.0
21	2.5	3.5	e3.6	e1.4	1.2	4.8	21	129	24	16	13	e8.0
22	2.4	e3.4	e3.4	e1.2	1.7	5.2	21	121	23	15	12	e8.0
23	2.4	e3.0	e3.0	e1.2	2.8	6.1	24	113	23	15	12	e8.0
24	2.4	e3.2	e3.0	e1.4	4.1	8.0	20	105	22	14	11	e8.0
25	2.5	e3.4	e3.0	e1.4	4.9	10	19	96	22	13	11	e8.0
26	2.7	e3.4	e2.2	e1.2	5.3	11	24	87	22	15	10	e8.0
27	2.7	e3.2	e1.6	e1.3	5.7	9.1	35	80	21	17	9.9	e7.5
28	2.6	e3.8	e1.4	e1.7	e5.0	7.2	48	74	20	15	9.7	e7.0
29	2.5	e4.2	e1.4	e2.0	e4.5	5.9	62	73	20	14	9.2	e10
30	2.8	e4.6	e2.0	e2.2	---	5.0	72	72	19	15	9.2	e9.0
31	3.9	---	e2.6	e2.2	---	4.9	---	65	---	12	9.0	---
TOTAL	94.1	116.4	92.6	48.2	64.52	163.9	617.1	4,943	968	508	343.9	252.1
MEAN	3.04	3.88	2.99	1.55	2.22	5.29	20.6	159	32.3	16.4	11.1	8.40
MAX	3.9	4.7	5.0	2.6	5.7	11	72	304	61	25	38	10
MIN	2.4	3.0	1.4	1.2	0.80	3.3	5.9	65	19	12	8.5	7.0
AC-FT	187	231	184	96	128	325	1,220	9,800	1,920	1,010	682	500

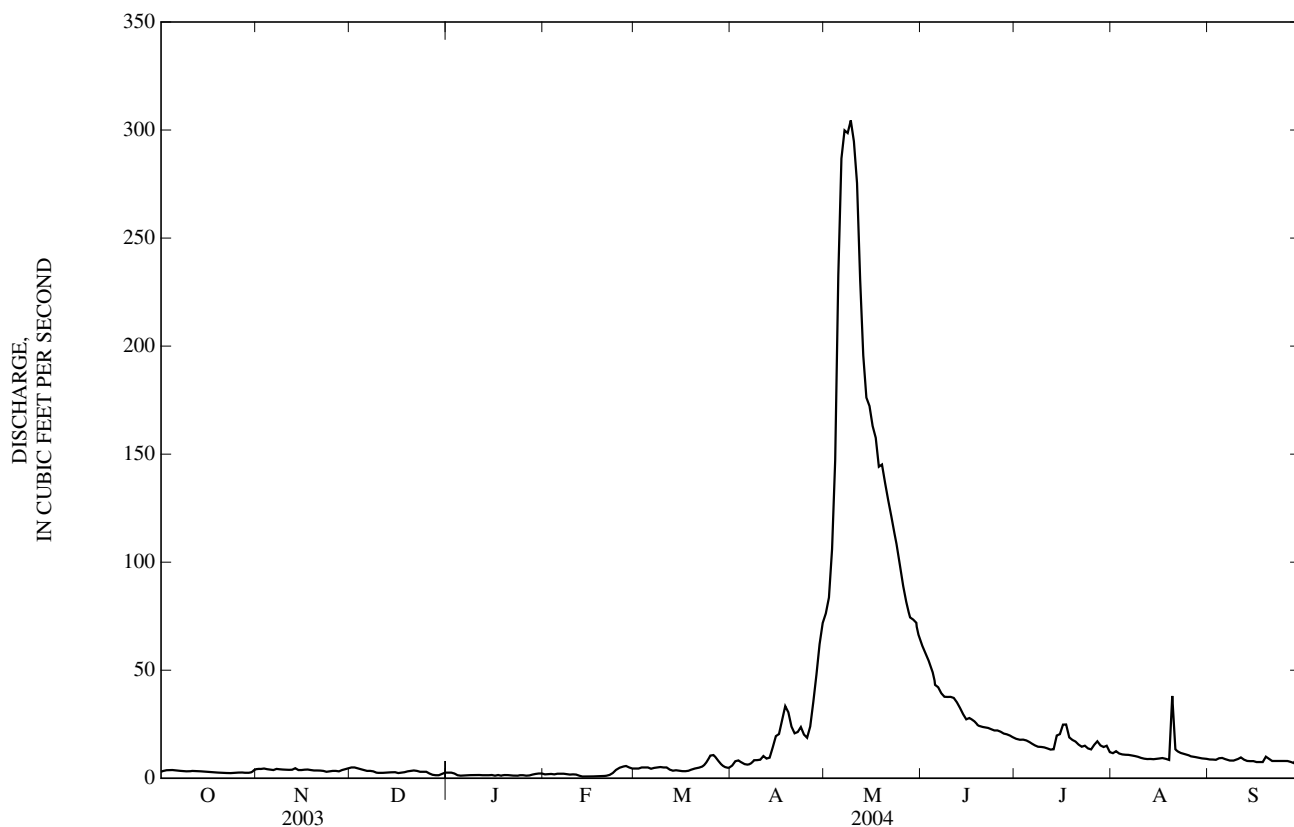
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

MEAN	20.0	16.7	13.1	11.1	10.8	12.4	27.9	171	160	55.8	31.0	24.1
MAX	56.8	44.5	34.9	24.2	23.0	24.7	75.4	373	616	284	105	65.1
(WY)	(1984)	(1984)	(1984)	(1984)	(1973)	(1973)	(1985)	(1969)	(1983)	(1983)	(1983)	(1983)
MIN	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	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	6,264.00		8,211.82		46.3	
ANNUAL MEAN	17.2		22.4		112	
HIGHEST ANNUAL MEAN					8.11	1983
LOWEST ANNUAL MEAN					0.40	2002
HIGHEST DAILY MEAN	252	May 26	304	May 9	720	Jun 19, 1983
LOWEST DAILY MEAN	0.60	Jan 1	0.80	Feb 13	0.44	Nov 29, 2002
ANNUAL SEVEN-DAY MINIMUM	0.86	Feb 6	0.87	Feb 13	0.44	Dec 21, 2002
ANNUAL RUNOFF (AC-FT)	12,420		16,290		33,520	
10 PERCENT EXCEEDS	27		51		109	
50 PERCENT EXCEEDS	3.9		7.1		18	
90 PERCENT EXCEEDS	1.2		1.6		6.7	

e Estimated



## SEVIER LAKE BASIN

## 10174500 SEVIER RIVER AT HATCH, UT

LOCATION.--Lat 37°39'04", long 112°25'46", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 28, T. 36 S., R. 5 W., Garfield County, Hydrologic Unit 16030001, on right bank 15 ft upstream of county road bridge, 0.2 mi east of Hatch, and 2.8 mi downstream from Mammoth Creek.

DRAINAGE AREA.--340 mi<sup>2</sup>.

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, 1,490 ft<sup>3</sup>/s, May 26, 1922, gage height, 5.25 ft, datum then in use; minimum daily, 10 ft<sup>3</sup>/s, for several days in 1912 when water was stored in Hatchtown Reservoir. Minimum natural daily discharge, 21 ft<sup>3</sup>/s, Sep 8, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 500 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Aug 20	1715	*377	*2.06				

Minimum daily discharge, 33 ft<sup>3</sup>/s, Oct 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	38	37	e43	e33	38	45	107	89	48	43	38
2	35	37	37	e45	e34	38	50	110	88	47	44	38
3	37	38	38	e44	35	38	55	125	87	45	48	37
4	36	38	39	e41	35	38	51	157	81	46	44	39
5	36	39	39	e39	e38	38	49	229	76	46	43	39
6	37	39	39	e42	e36	38	49	283	75	45	43	39
7	39	39	39	e46	37	41	50	306	72	44	43	38
8	38	38	40	e46	e36	42	51	306	71	43	43	38
9	37	38	39	e46	e35	44	53	317	71	43	43	39
10	37	39	39	e47	e35	45	51	310	71	42	44	50
11	36	39	38	e46	e34	45	52	299	70	42	43	57
12	36	39	38	e46	e34	45	51	265	69	41	44	49
13	36	40	38	e44	e34	46	50	235	67	41	44	41
14	33	39	38	e42	e36	47	52	209	64	42	42	40
15	35	39	38	e40	e37	47	53	200	61	49	42	39
16	35	39	e37	e36	37	46	54	192	61	51	44	38
17	35	39	e36	35	37	46	60	185	58	54	47	38
18	35	38	e36	e35	38	45	71	174	57	48	46	38
19	38	38	e36	35	38	46	71	175	55	46	57	45
20	38	38	36	35	38	48	66	167	54	48	78	40
21	37	38	37	34	39	46	61	162	53	51	54	39
22	37	e37	36	e34	39	45	59	156	54	44	47	38
23	38	e36	36	e33	39	45	60	149	53	45	44	39
24	37	e37	36	e34	39	47	58	141	52	45	44	39
25	37	e38	38	34	39	50	53	131	52	44	43	39
26	38	38	44	e33	41	50	55	122	52	44	42	39
27	38	37	40	e33	39	47	63	112	51	55	42	39
28	38	38	e37	e33	39	45	74	107	51	56	40	38
29	37	38	e38	34	38	43	87	107	49	46	40	46
30	36	38	e39	34	---	42	101	106	49	44	41	44
31	37	---	e42	34	---	43	---	97	---	43	41	---
TOTAL	1,134	1,146	1,180	1,203	1,069	1,364	1,755	5,741	1,913	1,428	1,403	1,220
MEAN	36.6	38.2	38.1	38.8	36.9	44.0	58.5	185	63.8	46.1	45.3	40.7
MAX	39	40	44	47	41	50	101	317	89	56	78	57
MIN	33	36	36	33	33	38	45	97	49	41	40	37
AC-FT	2,250	2,270	2,340	2,390	2,120	2,710	3,480	11,390	3,790	2,830	2,780	2,420

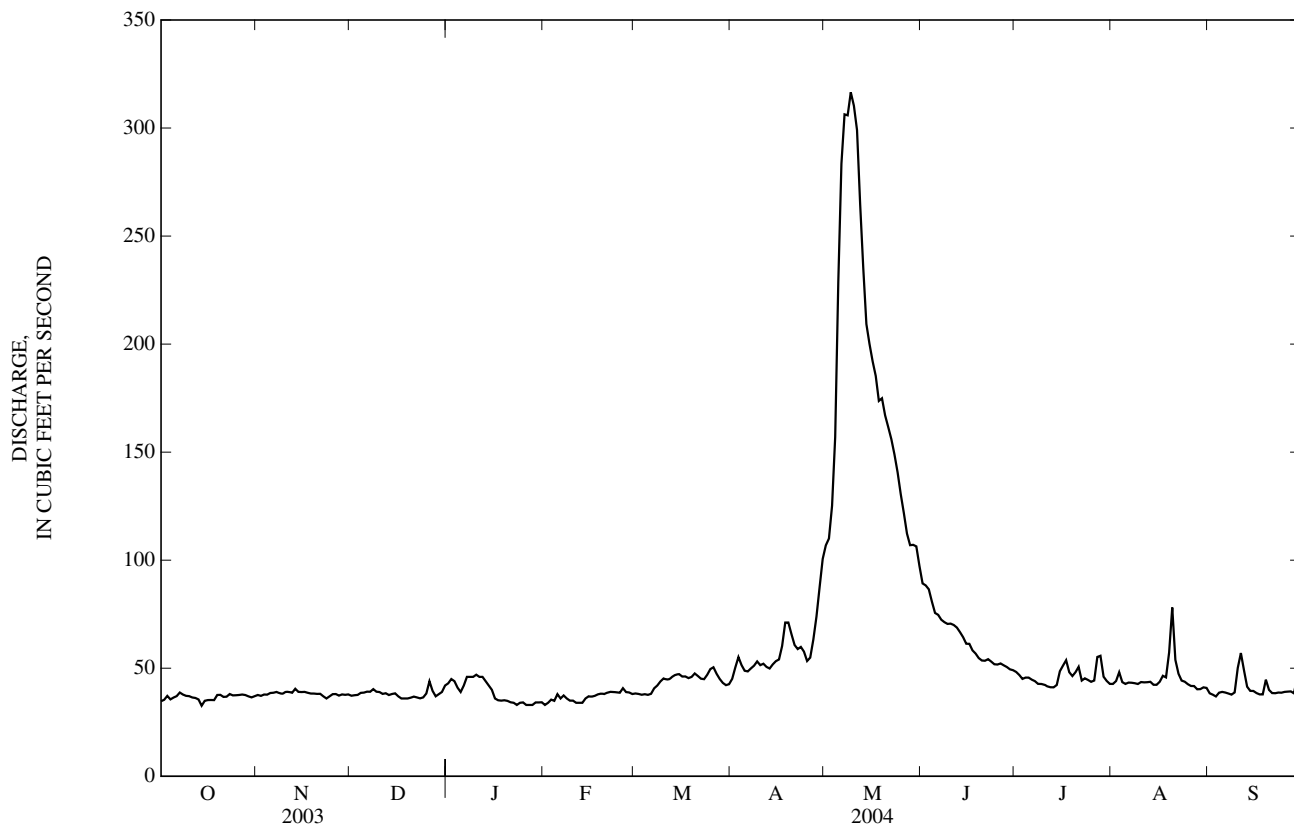
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-1928, 1940-2004, BY WATER YEAR (WY)

MEAN	75.1	73.2	67.2	61.8	65.0	74.5	125	330	256	117	88.3	77.9
MAX	246	149	150	128	130	159	465	1,012	1,071	430	228	167
(WY)	(1917)	(1917)	(1922)	(1923)	(1922)	(1916)	(1916)	(1922)	(1983)	(1983)	(1983)	(1922)
MIN	36.6	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	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915-28,1940-2004	
ANNUAL TOTAL	18,147		20,556			
ANNUAL MEAN	49.7		56.2		118	
HIGHEST ANNUAL MEAN					313	1922
LOWEST ANNUAL MEAN					42.6	1977
HIGHEST DAILY MEAN	254	May 26	317	May 9	1,430	May 26, 1922
LOWEST DAILY MEAN	33	Oct 14	33	Oct 14	0.00	Jul 31, 1927
ANNUAL SEVEN-DAY MINIMUM	35	Oct 12	33	Jan 22	23	Aug 30, 1977
ANNUAL RUNOFF (AC-FT)	35,990		40,770		85,470	
10 PERCENT EXCEEDS	56		83		225	
50 PERCENT EXCEEDS	39		42		74	
90 PERCENT EXCEEDS	37		36		44	

e Estimated



## 10183500 SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°12'22", long 112°12'25", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ NW $\frac{1}{4}$  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<sup>2</sup>.

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

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

GAGE.--Water-stage recorder. Crest-stage gage installed 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<sup>3</sup>/s (including estimated flow of 360 ft<sup>3</sup>/s in overflow channel bypassing station), Mar 4, 1938, gage height, 5.20 ft, from rating curve extended above 600 ft<sup>3</sup>/s; minimum daily discharge, 1.6 ft<sup>3</sup>/s, Jul 24, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 156 ft<sup>3</sup>/s, Dec 31, gage height, 1.46 ft; minimum daily discharge, 7.7 ft<sup>3</sup>/s, Aug 13, Sep 8, 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.0	25	91	121	109	128	28	15	13	8.6	8.6	7.9
2	10	25	95	117	108	116	19	15	13	8.3	9.2	7.8
3	14	e26	89	123	110	104	19	14	12	8.3	9.1	7.9
4	13	e26	83	112	116	104	18	12	11	8.5	8.4	8.1
5	13	e27	87	e90	115	104	18	12	11	8.5	9.1	8.0
6	12	27	90	80	113	102	17	24	10	8.5	8.8	7.9
7	13	27	92	113	112	100	18	80	9.9	8.3	8.2	7.8
8	13	27	95	116	114	114	18	111	9.7	8.1	7.9	7.7
9	12	27	90	108	112	120	18	122	9.8	8.2	7.9	8.0
10	11	28	89	110	110	121	15	129	10	8.1	8.0	8.2
11	12	29	96	113	113	124	13	124	10	8.1	8.0	8.4
12	12	28	98	114	103	125	12	125	10	8.3	7.9	8.6
13	12	29	96	115	109	123	13	109	10	8.5	7.7	8.3
14	12	29	98	116	114	124	14	77	10	8.6	8.0	8.1
15	12	30	102	118	112	127	14	58	10	8.8	8.9	8.1
16	12	47	96	116	116	121	14	37	11	8.9	9.5	8.2
17	13	64	100	116	117	112	13	17	11	9.5	9.3	8.0
18	13	69	109	115	122	104	14	27	11	14	9.0	7.7
19	13	71	102	117	130	100	14	36	10	10	9.0	8.3
20	13	76	100	118	128	99	13	31	10	9.3	10	8.0
21	13	75	109	117	129	98	13	28	10	9.0	9.7	8.0
22	14	78	108	117	134	95	15	28	10	8.7	9.5	8.0
23	13	79	104	114	135	107	15	23	9.5	8.4	9.0	7.9
24	13	80	103	112	140	115	15	16	8.6	8.4	8.6	7.9
25	14	77	107	115	136	111	14	13	9.0	8.2	8.3	7.9
26	14	82	116	103	138	116	14	13	9.2	8.7	8.1	7.9
27	14	82	113	e105	137	120	15	13	9.2	9.6	8.2	7.9
28	15	82	91	110	134	111	15	13	9.3	9.3	8.1	8.1
29	16	81	102	116	131	94	15	15	9.5	8.6	7.9	8.9
30	21	87	115	116	---	75	16	14	9.1	8.2	7.9	8.9
31	24	---	123	116	---	56	---	13	---	7.9	8.0	---
TOTAL	415.0	1,540	3,089	3,489	3,497	3,370	469	1,364	305.8	272.4	265.8	242.4
MEAN	13.4	51.3	99.6	113	121	109	15.6	44.0	10.2	8.79	8.57	8.08
MAX	24	87	123	123	140	128	28	129	13	14	10	8.9
MIN	9.0	25	83	80	103	56	12	12	8.6	7.9	7.7	7.7
AC-FT	823	3,050	6,130	6,920	6,940	6,680	930	2,710	607	540	527	481

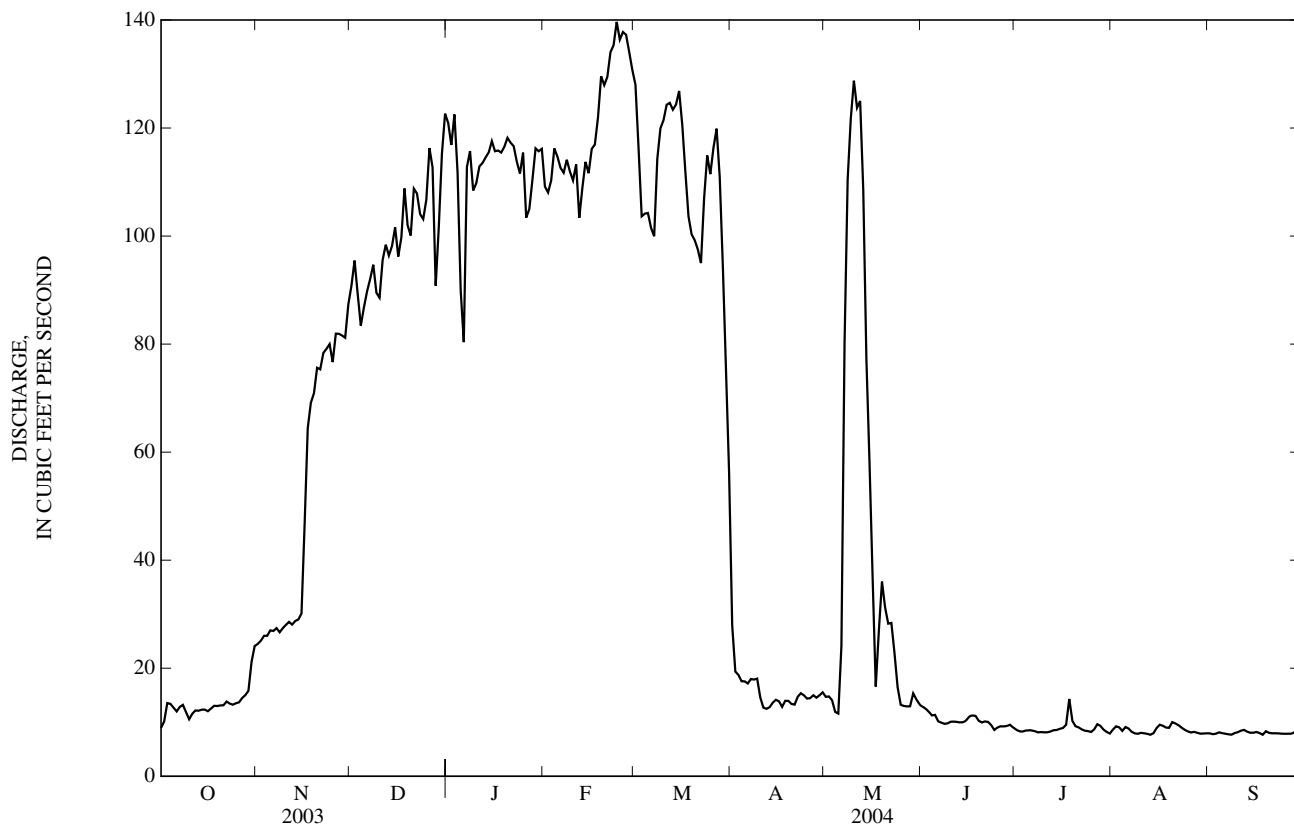
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

MEAN	82.4	131	145	135	155	169	148	217	150	46.9	50.0	59.2
MAX	319	237	252	218	259	330	507	1,154	1,140	321	315	232
(WY)	(1917)	(1984)	(1984)	(1984)	(1924)	(1921)	(1916)	(1922)	(1983)	(1995)	(1916)	(1921)
MIN	6.90	29.6	34.2	45.0	74.7	65.5	14.6	8.73	7.44	4.89	5.36	7.01
(WY)	(1961)	(1932)	(1932)	(1932)	(1932)	(1957)	(2003)	(1959)	(1974)	(1971)	(1960)	(1960)

10183500 SEVIER RIVER NEAR KINGSTON, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	17,645.6		18,319.4		124	
ANNUAL MEAN	48.3		50.1		359	
HIGHEST ANNUAL MEAN					1922	
LOWEST ANNUAL MEAN					49.4	
HIGHEST DAILY MEAN	188	Aug 24	140	Feb 24	1,560	Jun 3, 1983
LOWEST DAILY MEAN	7.2	Aug 12	7.7	Aug 13	1.6	Jul 24, 1963
ANNUAL SEVEN-DAY MINIMUM	8.6	Sep 7	7.9	Sep 2	2.9	Jul 22, 1963
ANNUAL RUNOFF (AC-FT)	35,000		36,340		89,660	
10 PERCENT EXCEEDS	115		116		222	
50 PERCENT EXCEEDS	16		16		110	
90 PERCENT EXCEEDS	9.6		8.1		12	

e Estimated



## 10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT

LOCATION.--Lat 38°11'47", long 112°08'49", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 13, T. 30 S., R. 3 W., Piute County, Hydrologic Unit 16030002, on right bank about 2,200 ft upstream from bridge on State Highway 22, 2.3 mi east of Kingston, 4.7 mi upstream from mouth, and 10 mi downstream from Otter Creek Reservoir.

DRAINAGE AREA.--1,207 mi<sup>2</sup>.

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

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

GAGE.--Water-stage recorder. Crest-stage gage installed 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<sup>3</sup>/s, May 12, 1941, gage height, 5.05 ft, datum then in use, from rating curve extended above 1,500 ft<sup>3</sup>/s, site and ; minimum, 1.0 ft<sup>3</sup>/s, Jan 25, 1976, gage height, 0.52 ft, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 356 ft<sup>3</sup>/s, Jun 12, gage height, 5.70 ft; minimum daily discharge, 7.0 ft<sup>3</sup>/s, Jan 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	10	e10	e9.0	e12	11	11	85	210	195	24	42
2	14	10	e9.0	e9.0	e12	11	11	163	210	191	28	36
3	16	10	e9.0	e9.0	e12	11	10	167	208	188	33	23
4	16	10	e10	e7.5	e12	11	10	168	201	188	32	23
5	14	9.9	e10	e7.0	e12	11	11	167	196	184	27	21
6	15	9.9	9.6	e7.5	e12	11	11	205	198	186	26	19
7	14	10	9.7	e9.0	e12	11	12	218	182	186	26	21
8	13	9.8	e9.0	e9.0	e12	11	12	173	155	187	33	27
9	14	9.5	e10	e9.0	e12	11	11	206	154	185	27	25
10	13	9.6	e10	e9.0	e12	11	11	217	155	184	37	15
11	12	9.5	e10	e9.0	e12	11	12	219	157	187	40	14
12	12	9.5	e10	e8.5	e12	31	12	220	216	195	41	13
13	12	11	e10	e8.0	e12	14	20	219	166	200	34	13
14	11	11	e10	e8.0	e13	12	27	216	144	198	49	13
15	12	11	e9.5	e8.5	e14	12	30	214	142	200	58	18
16	12	11	e9.5	e8.5	e14	12	34	215	143	189	61	25
17	12	10	e10	e9.0	e14	11	37	213	143	178	58	24
18	12	10	e10	e9.0	e14	12	39	212	143	167	58	19
19	14	10	e10	e8.5	e14	17	40	213	143	170	56	20
20	15	10	e10	e8.5	e14	12	39	209	143	163	52	21
21	15	9.9	e10	e8.0	e14	11	43	208	142	160	46	23
22	13	9.6	e9.5	e8.0	e13	11	45	205	140	151	52	23
23	13	e11	e10	e9.0	e14	11	46	215	149	145	54	23
24	12	e12	e10	e10	e12	11	40	214	197	140	53	22
25	12	e12	10	e10	12	11	39	212	196	135	50	22
26	13	e11	e9.0	e10	11	12	41	208	190	133	48	22
27	12	e12	e8.5	e12	11	12	45	206	191	122	47	22
28	12	e12	e8.5	e12	11	11	45	201	192	113	51	22
29	12	e12	e9.0	e12	11	11	47	206	195	95	49	24
30	11	e12	e9.0	e12	---	11	53	208	199	65	48	23
31	10	---	e9.5	e12	---	11	---	209	---	26	46	---
TOTAL	409	315.2	298.3	285.5	362	377	844	6,211	5,200	5,006	1,344	658
MEAN	13.2	10.5	9.62	9.21	12.5	12.2	28.1	200	173	161	43.4	21.9
MAX	21	12	10	12	14	31	53	220	216	200	61	42
MIN	10	9.5	8.5	7.0	11	11	10	85	140	26	24	13
AC-FT	811	625	592	566	718	748	1,670	12,320	10,310	9,930	2,670	1,310

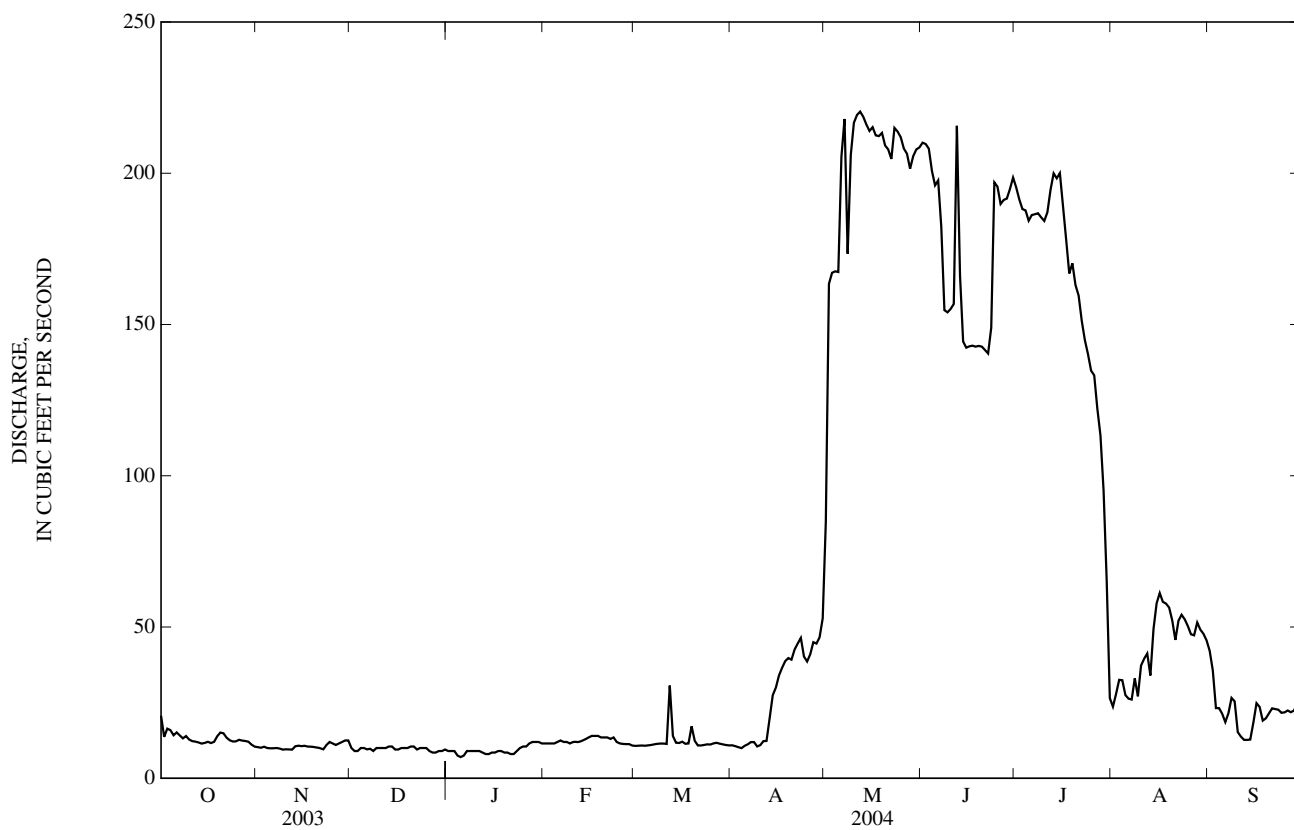
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2004, BY WATER YEAR (WY)

MEAN	35.7	26.4	21.8	21.6	25.9	38.8	73.7	166	151	166	134	81.9
MAX	241	151	128	156	146	171	398	1,109	551	365	335	242
(WY)	(1923)	(1985)	(1939)	(1939)	(1986)	(1983)	(1942)	(1922)	(1983)	(1915)	(1999)	(1917)
MIN	9.12	8.97	8.25	7.00	7.19	11.7	15.0	28.4	28.0	31.3	18.0	18.4
(WY)	(1962)	(1965)	(1973)	(1960)	(1977)	(1956)	(1935)	(1945)	(1957)	(1936)	(1934)	(1934)

10189000 EAST FORK SEVIER RIVER NEAR KINGSTON, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1914 - 2004	
ANNUAL TOTAL	25,813.5		21,310.0		78.9	
ANNUAL MEAN	70.7		58.2		33.5	
HIGHEST ANNUAL MEAN					201	1922
LOWEST ANNUAL MEAN					33.5	1968
HIGHEST DAILY MEAN	222	Jul 23	220	May 12	1,740	May 12, 1941
LOWEST DAILY MEAN	8.5	Dec 27	7.0	Jan 5	5.5	Feb 25, 1977
ANNUAL SEVEN-DAY MINIMUM	9.1	Dec 25	8.3	Jan 1	5.5	Feb 25, 1977
ANNUAL RUNOFF (AC-FT)	51,200		42,270		57,130	
10 PERCENT EXCEEDS	197		196		208	
50 PERCENT EXCEEDS	17		14		33	
90 PERCENT EXCEEDS	10		9.5		13	

e Estimated



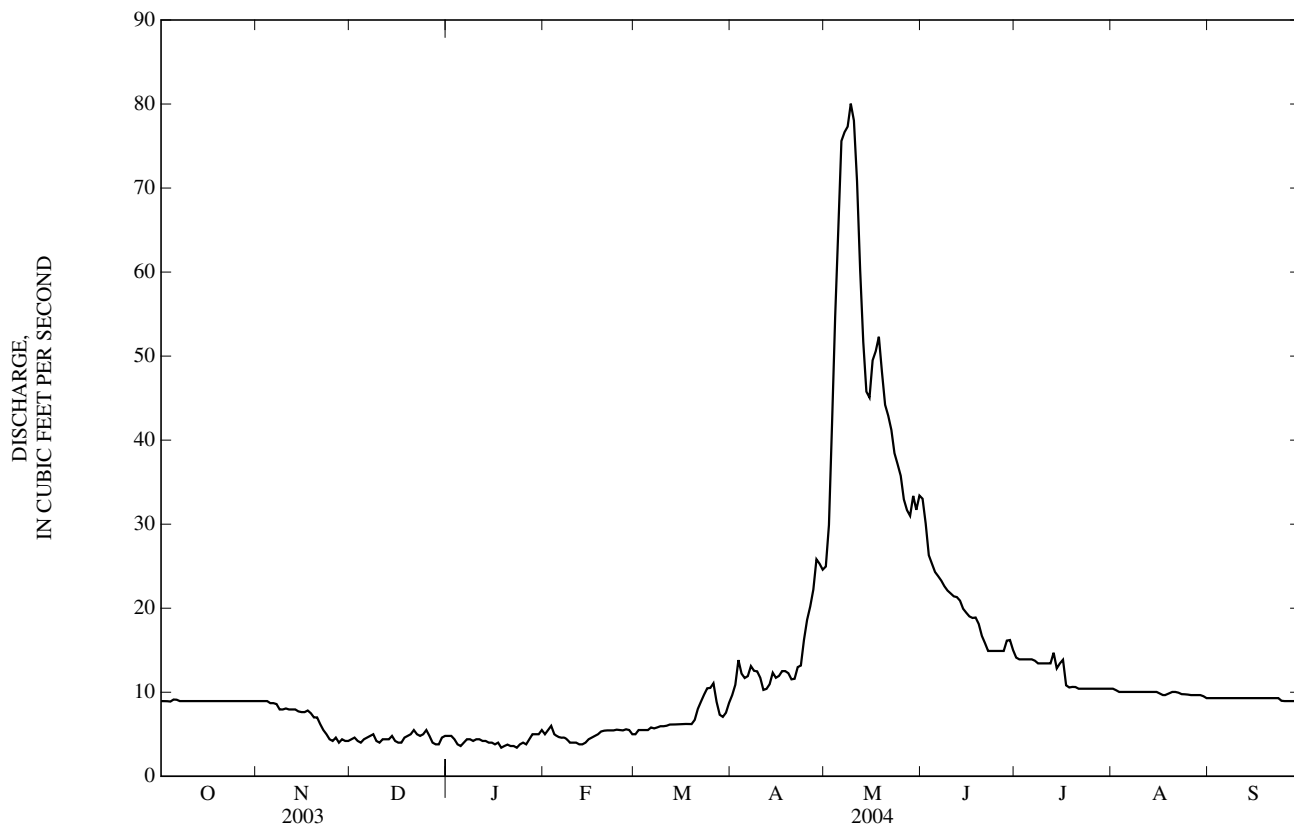




10205030 SALINA CREEK NEAR EMERY, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	4,359.9		4,606.9			
ANNUAL MEAN	11.9		12.6		17.4	
HIGHEST ANNUAL MEAN					53.0	1984
LOWEST ANNUAL MEAN					4.58	1977
HIGHEST DAILY MEAN	96	May 22	80	May 9	434	May 28, 1983
LOWEST DAILY MEAN	1.7	Jan 3	3.4	Jan 18	1.5	Dec 30, 1982
ANNUAL SEVEN-DAY MINIMUM	2.5	Jan 1	3.6	Jan 18	1.7	Dec 26, 1982
ANNUAL RUNOFF (AC-FT)	8,650		9,140		12,610	
10 PERCENT EXCEEDS	17		25		33	
50 PERCENT EXCEEDS	8.9		8.9		9.3	
90 PERCENT EXCEEDS	4.4		4.2		5.0	

e Estimated



## 10215900 MANTI CREEK BELOW DUGWAY CREEK, NEAR MANTI, UT

LOCATION.--Lat 39°15'33", long 111°34'45", in NE $\frac{1}{4}$  SE $\frac{1}{4}$  SE $\frac{1}{4}$  sec. 9, T. 18 S., R. 3 E., Sanpete County, Hydrologic Unit 16030004, on right bank 200 ft downstream from a side road bridge, 0.6 mi upstream from upper powerplant, 2.3 mi east of cattle guard at Manti-LaSal National Forest boundary, and 3.5 mi east of Manti.

DRAINAGE AREA.--26.4 mi<sup>2</sup>.

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 226 ft<sup>3</sup>/s, May 10, gage height, 4.65 ft; minimum daily discharge, 3.2 ft<sup>3</sup>/s, Feb 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	4.7	4.5	4.5	e3.8	e3.4	12	38	109	32	13	7.4
2	5.0	4.5	4.4	4.6	3.8	e3.6	15	43	122	30	14	7.2
3	4.9	4.2	4.6	4.6	3.8	3.7	18	39	133	30	14	7.4
4	5.0	e4.2	4.5	e4.4	3.8	3.7	16	56	138	28	13	7.5
5	5.0	e4.2	4.7	e4.2	3.7	3.8	17	76	138	27	12	7.5
6	4.9	e4.4	4.9	e4.4	3.8	3.6	17	91	131	27	11	7.2
7	4.8	4.7	e4.6	4.5	3.7	4.0	20	95	124	26	11	6.9
8	4.6	4.7	4.6	4.5	3.7	5.0	21	106	115	25	10	6.7
9	4.7	4.7	e4.6	e4.4	3.7	5.8	19	123	104	24	10	6.6
10	4.6	4.9	e4.6	e4.4	e3.6	5.9	16	136	97	24	9.7	6.5
11	4.6	4.8	4.9	e4.4	3.9	6.2	14	128	87	23	9.4	6.4
12	4.6	4.4	4.7	e4.4	3.6	6.2	13	108	81	22	9.4	6.4
13	4.5	4.5	4.6	e4.4	e3.5	6.1	14	91	76	22	9.7	6.2
14	4.4	4.5	4.6	e4.4	3.6	6.2	15	82	72	22	9.6	6.1
15	4.4	4.5	e4.6	4.5	3.5	6.3	15	80	66	21	9.6	6.1
16	4.4	4.5	e4.8	4.3	3.4	6.3	15	88	61	22	9.5	6.0
17	4.4	3.7	5.3	4.2	e3.4	6.5	16	97	64	21	9.5	5.9
18	4.4	e4.0	5.7	4.3	e3.4	6.9	16	112	68	20	9.5	5.6
19	4.3	e4.0	5.8	4.3	3.5	8.0	15	115	53	19	9.3	6.7
20	4.4	e4.4	4.9	4.2	e3.2	9.5	14	117	49	19	9.1	6.0
21	4.3	4.5	4.9	4.0	3.4	11	14	118	46	18	9.0	5.9
22	4.2	e4.4	4.6	4.0	3.4	13	15	123	44	17	8.9	5.8
23	4.2	e4.2	e4.4	e4.0	3.3	14	15	119	41	17	8.6	5.8
24	4.2	e4.0	e4.4	e3.8	3.3	14	17	119	39	16	8.4	5.6
25	4.0	e4.0	e4.4	e4.0	3.4	14	17	120	39	16	8.2	5.5
26	4.1	e4.2	4.6	4.0	3.5	14	18	123	39	16	8.3	5.4
27	4.2	e4.4	4.6	3.9	3.4	11	21	135	37	15	8.3	5.3
28	4.3	e4.6	4.6	4.0	3.5	9.6	25	138	36	14	8.1	5.3
29	4.3	4.7	4.5	3.9	3.6	9.3	24	133	35	14	8.0	6.2
30	4.4	4.7	4.4	3.8	---	9.7	25	110	33	13	7.8	5.7
31	4.4	---	4.5	3.8	---	11	---	103	---	13	7.6	---
TOTAL	139.2	132.2	145.8	131.1	103.2	241.3	509	3,162	2,277	653	303.5	188.8
MEAN	4.49	4.41	4.70	4.23	3.56	7.78	17.0	102	75.9	21.1	9.79	6.29
MAX	5.0	4.9	5.8	4.6	3.9	14	25	138	138	32	14	7.5
MIN	4.0	3.7	4.4	3.8	3.2	3.4	12	38	33	13	7.6	5.3
AC-FT	276	262	289	260	205	479	1,010	6,270	4,520	1,300	602	374

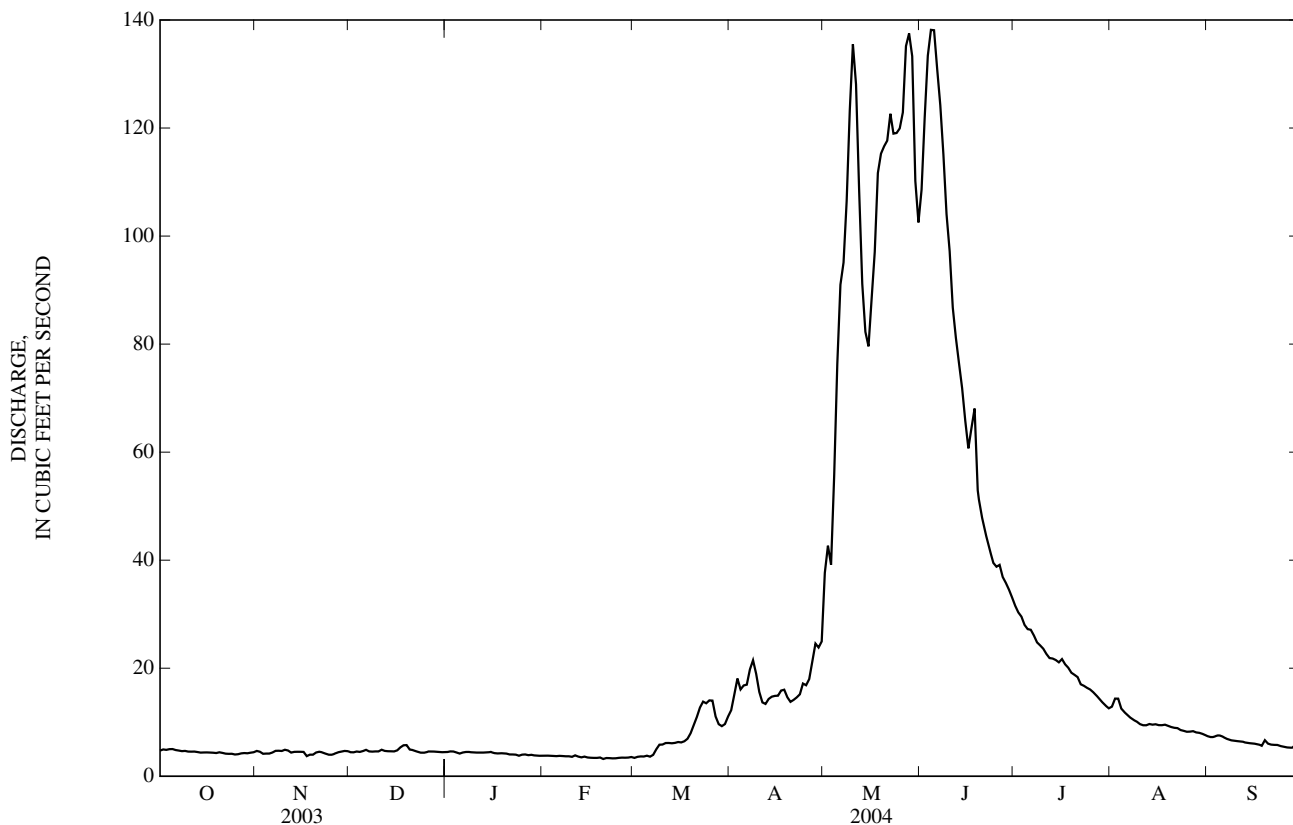
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2004, BY WATER YEAR (WY)

	8.05	6.50	5.20	4.76	4.57	6.14	18.1	98.4	129	41.3	15.9	10.2
MEAN	8.05	6.50	5.20	4.76	4.57	6.14	18.1	98.4	129	41.3	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	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1965 - 2004	
ANNUAL TOTAL	7,795.8		7,986.1			
ANNUAL MEAN	21.4		21.8		29.0	
HIGHEST ANNUAL MEAN					61.0	1984
LOWEST ANNUAL MEAN					12.8	2002
HIGHEST DAILY MEAN	238	Jun 1	138	May 28	547	Jun 28, 1995
LOWEST DAILY MEAN	2.6	Mar 2	3.2	Feb 20	1.8	Dec 13, 2000
ANNUAL SEVEN-DAY MINIMUM	2.7	Feb 27	3.4	Feb 18	2.3	Dec 9, 2000
ANNUAL RUNOFF (AC-FT)	15,460		15,840		21,040	
10 PERCENT EXCEEDS	50		81		78	
50 PERCENT EXCEEDS	5.4		6.2		8.2	
90 PERCENT EXCEEDS	3.4		3.8		4.0	

e Estimated



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

LOCATION.--Lat 39°09'19", long 111°52'37", in NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,025 ft above NGVD of 1929, from topographic map. Prior to April 30, 1914, non-recording gage and April 30, 1914 to October 4, 1917, recording gage at site 0.5 mi upstream. October 4, 1917 to October 28, 1938 near present site (right bank) at datum 0.36 ft higher. October 28, 1938 to April 10, 1986 at same site and present datum. April 16, 1986 to June 6, 1989 recording gage at site approximately 0.8 mi downstream.

REMARKS.--Records good. 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<sup>3</sup>/s, May 29, 1984; minimum, 5.6 ft<sup>3</sup>/s, Jul 17-21, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 551 ft<sup>3</sup>/s, Mar 5, gage height, 5.78 ft; minimum daily discharge, 17 ft<sup>3</sup>/s, Jul 31, Aug 1, 2, 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	104	180	185	167	237	58	87	181	28	17	22
2	84	105	191	182	159	166	65	107	168	34	17	22
3	96	103	163	183	164	149	71	134	178	34	17	22
4	89	105	158	178	177	150	70	128	168	36	28	23
5	85	105	160	139	177	449	63	175	132	35	22	23
6	83	106	158	182	176	506	60	175	125	32	24	27
7	82	106	162	219	172	346	65	186	113	33	25	26
8	77	120	174	194	201	443	94	188	112	32	19	26
9	71	119	171	174	205	509	105	187	40	30	18	26
10	43	122	166	173	325	494	81	165	44	28	19	26
11	53	125	164	174	321	418	74	159	41	27	19	27
12	55	123	168	173	327	473	68	142	42	24	22	40
13	55	122	170	170	327	493	66	140	39	26	23	40
14	55	122	173	169	330	489	66	156	38	29	23	42
15	56	120	168	169	352	448	79	140	39	26	22	46
16	52	130	157	171	375	372	132	132	35	41	24	54
17	50	138	147	171	397	417	95	128	38	37	24	48
18	53	149	155	174	414	449	91	131	42	35	24	45
19	55	129	164	170	427	373	82	164	39	38	25	43
20	56	161	172	172	427	355	76	176	33	33	24	47
21	57	104	176	174	431	397	77	154	29	32	28	50
22	59	135	177	171	447	411	81	132	27	32	25	52
23	61	135	172	166	457	365	96	127	29	32	25	48
24	62	129	176	161	466	356	92	119	33	29	27	43
25	62	131	181	166	464	388	90	121	37	20	26	43
26	63	135	188	167	449	132	92	124	37	23	24	45
27	65	140	180	164	430	172	92	114	34	25	24	48
28	70	140	173	163	360	304	90	118	33	22	26	48
29	71	144	164	169	259	272	94	136	30	22	24	70
30	79	162	166	172	---	120	101	165	29	21	21	57
31	98	---	176	174	---	63	---	150	---	17	22	---
TOTAL	2,076	3,769	5,250	5,369	9,383	10,716	2,466	4,460	1,965	913	708	1,179
MEAN	67.0	126	169	173	324	346	82.2	144	65.5	29.5	22.8	39.3
MAX	98	162	191	219	466	509	132	188	181	41	28	70
MIN	43	103	147	139	159	63	58	87	27	17	17	22
AC-FT	4,120	7,480	10,410	10,650	18,610	21,260	4,890	8,850	3,900	1,810	1,400	2,340

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1918 - 2004, BY WATER YEAR (WY)

MEAN	193	237	269	278	336	357	271	371	385	119	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)

## SUMMARY STATISTICS

## FOR 2003 CALENDAR YEAR

## FOR 2004 WATER YEAR

## WATER YEARS 1918 - 2004

ANNUAL TOTAL	43,555	48,254	
ANNUAL MEAN	119	132	254
HIGHEST ANNUAL MEAN			1,346
LOWEST ANNUAL MEAN			86.5
HIGHEST DAILY MEAN	344	509	5,400
LOWEST DAILY MEAN	15	17	6.0
ANNUAL SEVEN-DAY MINIMUM	21	19	6.6
ANNUAL RUNOFF (AC-FT)	86,390	95,710	183,800
10 PERCENT EXCEEDS	189	328	476
50 PERCENT EXCEEDS	114	106	186
90 PERCENT EXCEEDS	38	25	57

## 10219000 SEVIER RIVER NEAR JUAB, UT

LOCATION.--Lat 39°22'29", long 112°02'20", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 35, T. 16 S., R. 2 W., Juab County, Hydrologic Unit 16030005, on right bank 0.5 mi downstream from Sevier Bridge Dam and 11.6 mi southwest of Juab.

DRAINAGE AREA.--5,165 mi<sup>2</sup>.

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

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

REMARKS.--Records good, except for estimated daily discharges which are fair. Flow regulated by Sevier Bridge Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,190 ft<sup>3</sup>/s, Jun 25, 1983, gage height, 10.90 ft; no flow many days during April 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 823 ft<sup>3</sup>/s, May 8, gage height, 6.84 ft; minimum daily discharge, 0.11 ft<sup>3</sup>/s, Mar 7-17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.7	1.1	0.20	e0.29	e0.30	e0.13	0.65	586	287	334	242	7.5
2	2.5	1.1	0.20	e0.30	e0.29	e0.13	0.54	590	288	332	196	5.2
3	2.3	0.98	0.20	e0.30	e0.28	e0.13	0.54	605	287	332	50	4.8
4	2.3	0.94	0.20	e0.31	e0.28	e0.13	0.44	725	288	336	151	5.1
5	2.1	0.80	0.20	e0.31	e0.28	e0.12	0.43	812	286	335	142	5.0
6	2.1	0.80	0.20	e0.31	e0.28	e0.12	0.35	814	285	283	203	5.3
7	1.9	0.61	0.20	e0.31	e0.28	e0.11	0.34	799	430	232	296	5.8
8	1.8	0.54	0.20	e0.32	e0.27	e0.11	0.34	819	532	228	384	6.0
9	1.8	0.54	0.20	e0.33	e0.26	e0.11	0.34	819	539	154	431	5.3
10	1.7	0.54	0.20	e0.33	e0.25	e0.11	0.34	786	549	72	430	4.3
11	1.5	0.54	0.20	e0.33	e0.24	e0.11	0.34	692	550	69	426	2.8
12	1.5	0.43	0.20	e0.33	e0.23	e0.11	0.30	688	463	68	425	2.9
13	1.4	0.38	0.20	e0.33	e0.22	e0.11	0.27	598	379	210	421	3.0
14	1.2	0.34	0.20	e0.33	e0.21	e0.11	0.27	409	334	212	417	2.8
15	1.1	0.34	0.20	e0.33	e0.20	e0.11	0.23	308	331	257	356	2.6
16	1.1	0.30	0.20	e0.33	e0.19	e0.11	0.20	264	331	341	302	2.9
17	1.1	0.22	0.20	e0.34	e0.19	e0.11	0.20	264	331	404	228	3.2
18	1.1	0.21	0.20	e0.35	e0.18	0.98	0.20	356	329	305	209	3.8
19	0.96	0.20	0.20	e0.36	e0.16	1.9	0.20	436	330	206	185	3.7
20	0.96	0.20	0.20	e0.37	e0.16	0.88	0.20	435	329	177	227	3.9
21	0.96	0.20	0.20	e0.37	e0.16	0.80	0.20	431	330	150	244	3.3
22	0.86	0.20	0.20	e0.37	e0.16	0.97	0.16	435	391	150	189	3.5
23	0.80	0.20	0.20	e0.36	e0.16	1.4	0.14	433	432	114	216	3.3
24	0.80	0.20	0.20	e0.35	e0.15	0.92	0.14	386	431	101	241	3.5
25	0.80	0.20	e0.22	e0.34	e0.14	0.80	0.14	313	433	103	205	3.8
26	0.80	0.20	e0.24	e0.33	e0.14	0.80	82	296	435	214	207	3.7
27	0.80	0.20	e0.25	e0.33	e0.14	0.68	206	294	417	396	154	2.9
28	50	0.20	e0.26	e0.33	e0.14	0.66	202	293	334	419	66	0.36
29	1.7	0.20	e0.27	e0.33	e0.14	0.66	200	294	333	413	33	23
30	1.4	0.20	e0.28	e0.32	---	0.66	387	291	333	356	8.1	73
31	1.3	---	e0.29	e0.31	---	0.66	---	290	---	355	8.8	---
TOTAL	93.34	13.11	6.61	10.25	6.08	14.74	1,084.50	15,561	11,347	7,658	7,292.9	206.26
MEAN	3.01	0.44	0.21	0.33	0.21	0.48	36.1	502	378	247	235	6.88
MAX	50	1.1	0.29	0.37	0.30	1.9	387	819	550	419	431	73
MIN	0.80	0.20	0.20	0.29	0.14	0.11	0.14	264	285	68	8.1	0.36
AC-FT	185	26	13	20	12	29	2,150	30,870	22,510	15,190	14,470	409

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2004, BY WATER YEAR (WY)

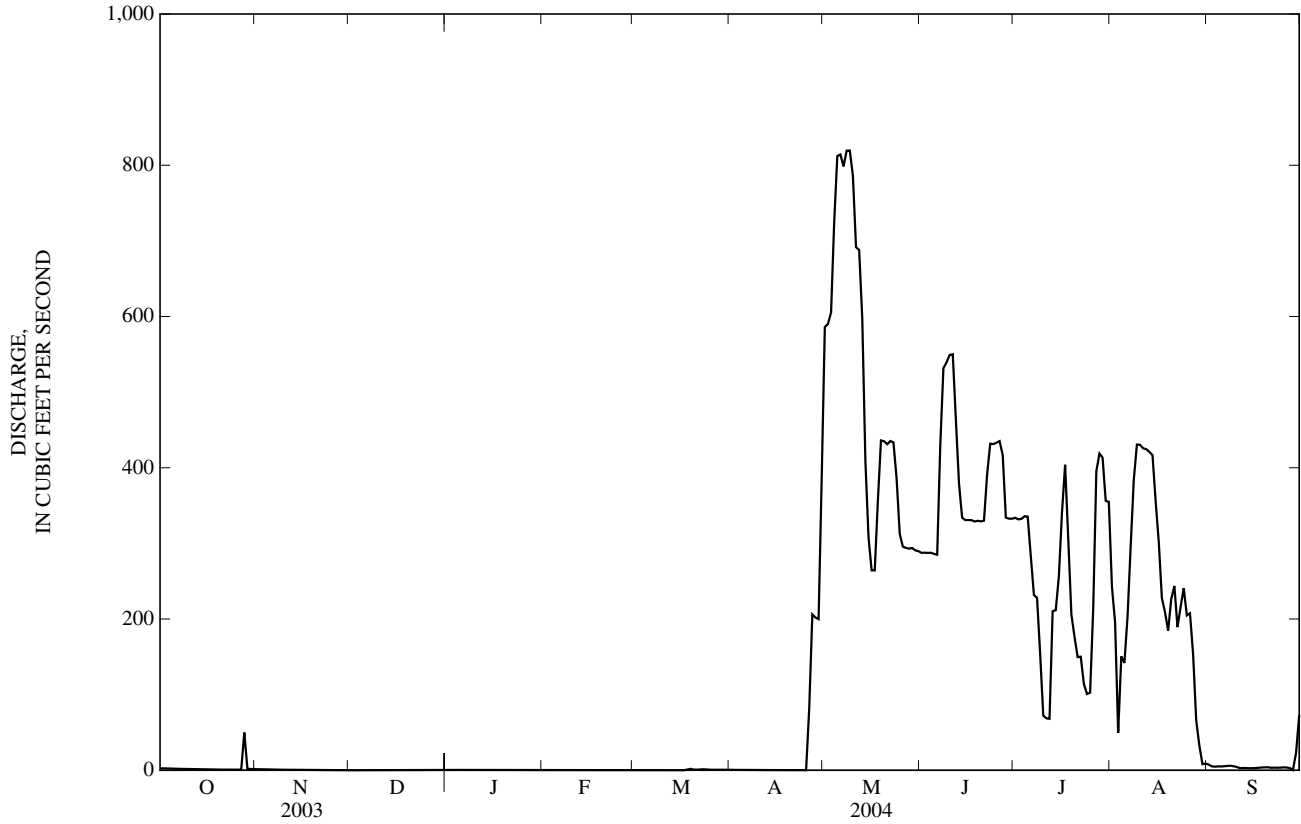
MEAN	60.0	35.4	38.1	64.3	73.7	121	301	717	601	537	368	160
MAX	640	439	757	1,295	1,184	1,535	1,783	3,135	4,178	3,293	1,599	737
(WY)	(1923)	(1999)	(1986)	(1984)	(1984)	(1983)	(1984)	(1984)	(1983)	(1983)	(1983)	(1923)
MIN	1.00	0.44	0.21	0.33	0.21	0.48	2.00	305	138	65.4	25.0	1.34
(WY)	(1961)	(2004)	(2004)	(2004)	(2004)	(2004)	(1941)	(1995)	(1964)	(1934)	(1934)	(1961)

SEVIER LAKE BASIN

10219000 SEVIER RIVER NEAR JUAB, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1912 - 2004	
ANNUAL TOTAL	60,882.66		43,293.79		258	
ANNUAL MEAN	167		118		1,322	
HIGHEST ANNUAL MEAN					94.2	1984
LOWEST ANNUAL MEAN					4,920	1961
HIGHEST DAILY MEAN	820	Jul 22	819	May 8	0.00	Jun 25, 1983
LOWEST DAILY MEAN	0.20	Nov 19	0.11	Mar 7	0.00	Mar 7, 1918
ANNUAL SEVEN-DAY MINIMUM	0.20	Nov 19	0.11	Mar 7	0.00	Apr 9, 1990
ANNUAL RUNOFF (AC-FT)	120,800		85,870		186,600	
10 PERCENT EXCEEDS	567		414		749	
50 PERCENT EXCEEDS	7.3		1.0		38	
90 PERCENT EXCEEDS	0.21		0.20		2.0	

e Estimated



## 10224000 SEVIER RIVER NEAR LYNNDYL, UT

LOCATION.--Lat 39°28'55", long 112°23'35", in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>.

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

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

REMARKS.--Records good except for estimated days, which are fair. Flow regulated by Sevier Bridge Reservoir about 35 mi upstream (see station 10218500). Several diversions for irrigation between reservoir and station.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 791 ft<sup>3</sup>/s, May 10, gage height, 6.58 ft; minimum daily discharge, 10 ft<sup>3</sup>/s, Sep 27, 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	46	46	53	e50	68	36	232	293	e320	321	39
2	28	45	45	49	e50	73	35	465	285	e320	295	30
3	27	44	45	48	e50	74	36	529	288	e320	211	27
4	28	44	45	e48	e50	72	36	540	269	e320	154	25
5	28	45	45	e48	e52	69	35	616	277	e320	101	26
6	28	45	45	e48	e50	73	34	734	283	e320	120	25
7	35	44	45	e48	e49	72	35	738	267	e280	106	26
8	45	44	48	e48	e48	70	39	734	319	e240	177	25
9	49	44	48	e48	e48	69	38	753	471	e230	258	27
10	52	45	48	e48	e48	69	37	780	499	e160	339	26
11	48	45	46	e47	e49	68	36	759	507	e90	342	26
12	47	45	46	e47	e49	68	34	658	512	e82	336	30
13	48	46	54	e48	e50	67	34	645	474	e82	333	33
14	50	47	48	e47	e50	66	34	595	390	e150	331	20
15	52	47	47	e48	e50	66	37	414	315	167	332	16
16	54	46	52	e47	e50	65	38	323	297	214	306	17
17	55	48	56	e47	e52	65	45	254	288	287	276	17
18	46	49	74	e47	e52	64	49	241	292	378	208	15
19	45	48	74	e47	e52	65	53	251	293	362	181	13
20	55	47	65	e48	e52	53	56	373	283	237	169	13
21	55	46	52	e48	e52	42	57	394	269	214	160	16
22	55	47	51	e48	e54	46	60	402	252	169	178	13
23	45	62	50	e48	e56	46	61	408	301	153	174	11
24	35	71	47	e49	e58	34	60	419	366	153	127	15
25	34	67	48	e49	e58	41	57	404	368	115	184	12
26	35	69	60	e49	e58	46	54	330	372	96	164	11
27	36	68	62	e49	e60	48	53	294	382	106	153	10
28	37	65	64	e49	e62	44	102	286	388	279	142	10
29	38	58	78	e49	e66	43	166	289	332	349	92	11
30	73	49	77	e50	---	40	195	285	e320	374	66	22
31	50	---	59	e50	---	37	---	300	---	322	52	---
TOTAL	1,344	1,516	1,670	1,497	1,525	1,823	1,642	14,445	10,252	7,209	6,388	607
MEAN	43.4	50.5	53.9	48.3	52.6	58.8	54.7	466	342	233	206	20.2
MAX	73	71	78	53	66	74	195	780	512	378	342	39
MIN	27	44	45	47	48	34	34	232	252	82	52	10
AC-FT	2,670	3,010	3,310	2,970	3,020	3,620	3,260	28,650	20,330	14,300	12,670	1,200

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2004, BY WATER YEAR (WY)

MEAN	65.4	73.4	74.1	98.6	130	184	297	583	540	455	308	106
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)

SUMMARY STATISTICS

	FOR 2003 CALENDAR YEAR	FOR 2004 WATER YEAR	WATER YEARS 1943 - 2004
ANNUAL TOTAL	60,494	49,918	
ANNUAL MEAN	166	136	243
HIGHEST ANNUAL MEAN			1,369
LOWEST ANNUAL MEAN			103
HIGHEST DAILY MEAN	621	780	5,020
LOWEST DAILY MEAN	10	10	4.5
ANNUAL SEVEN-DAY MINIMUM	15	11	4.9
ANNUAL RUNOFF (AC-FT)	120,000	99,010	176,400
10 PERCENT EXCEEDS	511	340	629
50 PERCENT EXCEEDS	51	54	74
90 PERCENT EXCEEDS	31	34	19

e Estimated



## BEAVER RIVER BASIN

10234500 BEAVER RIVER NEAR BEAVER, UT

LOCATION.--Lat 38°16'50", long 112°34'03", in SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 29 S., R. 6 W., Beaver County, Hydrologic Unit 16030007, on left bank 0.3 mi upstream of diversion, 0.6 mi downstream of Baker Canyon, and 4.2 mi east of Beaver.

DRAINAGE AREA.--91.0 mi<sup>2</sup>.

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

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

GAGE.--Water-stage recorder. Crest-stage gage 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 ft<sup>3</sup>/s, Jul 22, 1936, gage height, 7.27 ft, datum then in use, from rating curve extended above 500 ft<sup>3</sup>/s; minimum daily, 7.2 ft<sup>3</sup>/s, Dec 19, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 150 ft<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
May 5	2015	*167	*1.72	No other peak greater than base discharge.			

Minimum daily discharge, 14 ft<sup>3</sup>/s, Oct 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	15	16	16	e15	e18	35	e92	78	30	19	16
2	15	15	16	16	e15	18	37	e101	89	30	20	16
3	18	15	e16	e16	e16	e18	44	99	91	29	25	18
4	18	15	e16	e16	15	e18	40	114	92	29	22	18
5	17	15	e16	e16	15	e18	39	122	92	29	21	18
6	16	15	e16	e16	e15	18	39	140	90	28	20	18
7	16	16	e17	e16	e15	19	43	130	88	28	20	17
8	16	16	17	e17	15	19	41	130	86	28	19	17
9	16	16	e16	e17	e15	20	40	136	83	26	18	e17
10	16	16	e16	e16	e15	22	e39	132	80	23	18	e17
11	16	16	e16	16	e15	22	e40	127	75	24	17	e17
12	16	15	e16	16	e15	23	e41	112	71	24	17	e17
13	15	16	e17	16	e16	24	38	96	68	24	17	17
14	15	16	17	e16	e16	25	44	89	68	24	17	16
15	16	16	e16	16	e17	25	41	90	71	24	20	17
16	16	16	e16	e16	18	25	42	92	69	25	22	16
17	14	16	e16	16	18	26	54	93	68	25	19	16
18	15	15	e16	e16	18	27	64	96	65	24	19	15
19	16	15	e16	16	18	29	60	102	60	24	18	17
20	16	16	16	15	18	32	55	97	56	24	e18	17
21	16	17	16	16	18	34	52	87	55	24	e18	17
22	16	e16	16	e16	18	36	52	85	53	24	e18	16
23	e15	e15	e16	e16	18	38	49	76	50	23	18	16
24	e15	e16	16	e16	18	38	48	76	48	23	18	17
25	e15	e17	16	15	18	39	49	82	47	21	18	17
26	15	e16	e16	e15	18	41	50	79	45	20	17	16
27	15	e16	e16	e16	18	35	57	79	41	23	17	16
28	16	e16	e16	e15	18	29	69	82	37	22	16	17
29	15	e16	e16	15	18	28	e75	94	35	21	16	17
30	15	16	e16	15	---	30	e84	82	32	21	16	17
31	15	---	e16	15	---	33	---	75	---	20	16	---
TOTAL	487	472	500	491	482	827	1,461	3,087	1,983	764	574	503
MEAN	15.7	15.7	16.1	15.8	16.6	26.7	48.7	99.6	66.1	24.6	18.5	16.8
MAX	18	17	17	17	18	41	84	140	92	30	25	18
MIN	14	15	16	15	15	18	35	75	32	20	16	15
AC-FT	966	936	992	974	956	1,640	2,900	6,120	3,930	1,520	1,140	998

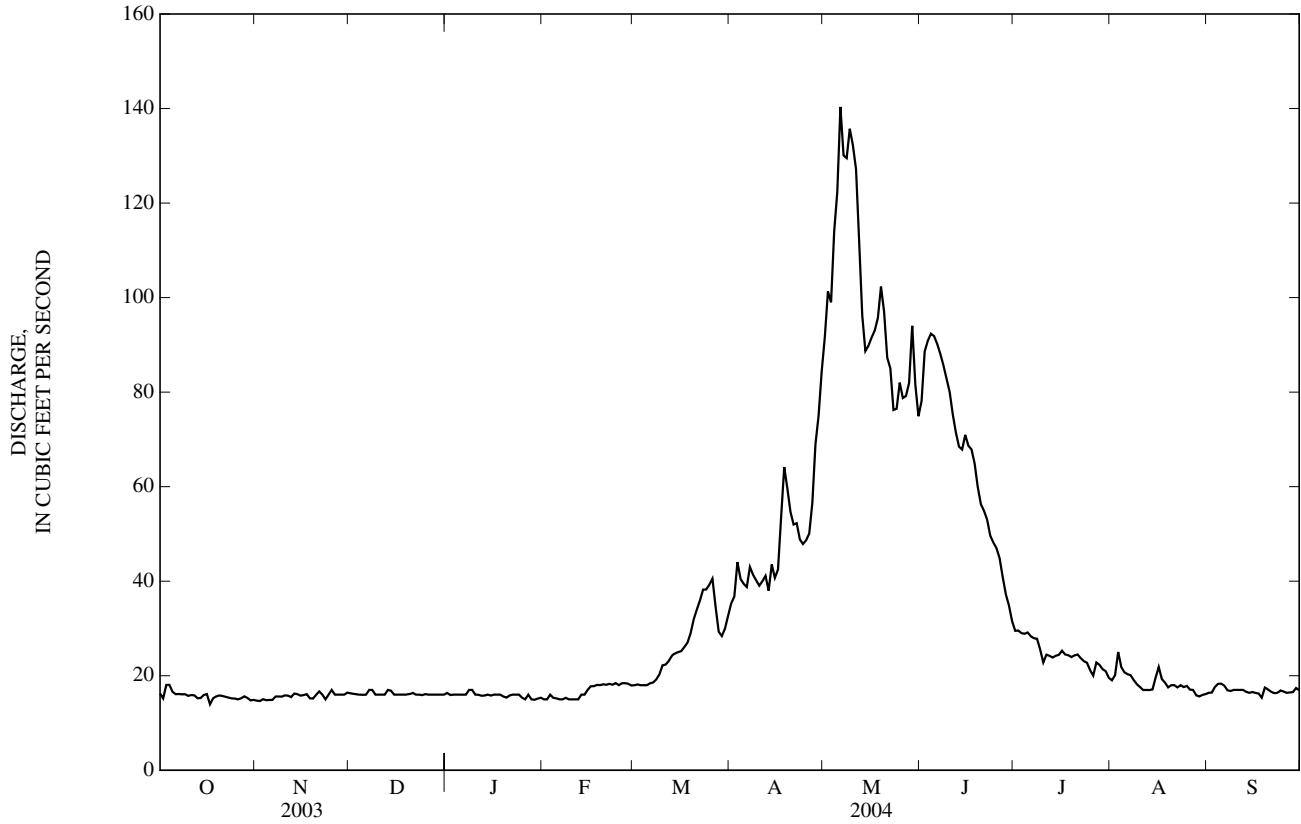
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915 - 2004, BY WATER YEAR (WY)

	23.5	21.6	19.4	18.2	18.8	22.7	53.0	165	150	62.7	36.6	25.8
MEAN	23.5	21.6	19.4	18.2	18.8	22.7	53.0	165	150	62.7	36.6	25.8
MAX	41.5	47.0	37.7	27.0	27.9	44.9	117	409	638	198	98.0	63.3
(WY)	(1915)	(1984)	(1984)	(1942)	(1984)	(1916)	(1943)	(1984)	(1983)	(1983)	(1983)	(1983)
MIN	13.3	11.7	9.95	9.96	11.4	12.9	18.6	25.7	24.1	14.9	11.8	10.7
(WY)	(1978)	(1978)	(1977)	(1977)	(1977)	(1977)	(1975)	(1977)	(1934)	(1977)	(1977)	(1977)

10234500 BEAVER RIVER NEAR BEAVER, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915 - 2004	
ANNUAL TOTAL	12,722		11,631		51.6	
ANNUAL MEAN	34.9		31.8		119	
HIGHEST ANNUAL MEAN					16.1	1983
LOWEST ANNUAL MEAN					884	1977
HIGHEST DAILY MEAN	206	May 28	140	May 6	7.2	May 24, 1984
LOWEST DAILY MEAN	14	Jan 4	14	Oct 17	8.4	Dec 20, 1976
ANNUAL SEVEN-DAY MINIMUM	14	Feb 19	15	Oct 29		Dec 19, 1976
ANNUAL RUNOFF (AC-FT)	25,230		23,070		37,380	
10 PERCENT EXCEEDS	82		79		116	
50 PERCENT EXCEEDS	18		18		25	
90 PERCENT EXCEEDS	15		15		15	

e Estimated



10242000 COAL CREEK NEAR CEDAR CITY, UT

LOCATION.--Lat 37°40'20", long 113°02'02", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> 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<sup>2</sup>.

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

REVISED RECORD.--WSP 1714: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage 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 estimated daily discharges, which are poor. No diversion upstream of station for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,620 ft<sup>3</sup>/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<sup>3</sup>/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<sup>3</sup>/s and maximum (\*):

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)	Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Jul 16	2145	*372	*6.53				

Minimum discharge, 4.8 ft<sup>3</sup>/s, Aug 11, 12.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	8.6	10	11	e10	e9.5	30	96	34	10	8.2	6.4
2	7.7	7.7	10	12	e10	e9.5	33	107	32	9.7	8.7	6.2
3	8.0	7.9	11	12	e10	e9.5	35	124	31	9.3	8.0	6.3
4	7.7	7.6	12	e12	e10	e10	30	e130	31	9.6	6.7	6.8
5	7.6	7.7	11	e12	10	10	32	e135	29	9.4	6.7	6.7
6	7.8	8.0	10	e12	15	11	40	e120	27	9.4	6.6	6.3
7	7.8	7.8	10	e13	15	15	45	e115	24	8.0	6.2	6.2
8	7.6	7.9	9.6	e13	12	23	42	116	22	7.7	5.8	6.1
9	7.4	7.9	e9.5	e14	15	32	41	117	24	7.1	5.7	e10
10	7.2	8.2	e10	15	e15	32	41	109	23	7.0	5.6	e9.0
11	7.2	8.6	e10	16	e15	30	34	95	22	6.8	5.6	e13
12	7.2	12	e10	16	e14	29	35	e75	21	6.6	5.5	e10
13	7.1	16	e11	14	e14	27	43	67	20	6.7	5.7	9.2
14	7.1	13	12	e13	15	27	49	67	18	21	9.7	e9.0
15	7.1	14	e11	e13	13	26	49	68	18	26	7.5	8.5
16	7.0	13	e11	e12	11	26	56	68	18	35	31	9.7
17	6.9	12	e10	e12	11	28	59	68	18	22	e12	9.5
18	6.8	12	e10	e12	12	30	48	65	17	20	e10	9.4
19	6.6	e12	e12	e12	9.6	33	39	66	16	31	11	68
20	6.9	e12	e14	e12	9.6	35	34	63	15	22	14	12
21	6.9	10	12	e11	9.3	37	37	57	14	17	22	8.6
22	6.9	e10	11	e11	9.5	39	40	52	14	14	17	8.3
23	7.0	e10	12	e11	e9.5	42	35	47	13	12	9.1	8.2
24	7.2	e10	10	e11	e9.5	40	41	45	13	12	8.0	7.8
25	7.1	e12	12	e12	e9.5	36	55	43	13	11	7.5	7.7
26	7.1	e11	12	e11	e9.5	32	66	42	13	11	7.2	7.6
27	7.2	e10	e11	e11	e9.5	24	79	40	12	21	7.1	7.2
28	7.3	e10	e11	e12	e9.5	21	93	40	13	16	6.8	7.6
29	7.4	e11	e11	e11	e9.5	21	88	49	13	12	6.6	12
30	7.8	11	e12	11	---	23	77	41	11	14	6.5	10
31	8.6	---	12	9.6	---	27	---	37	---	e9.0	6.6	---
TOTAL	226.8	308.9	340.1	379.6	331.5	794.5	1,426	2,364	589	433.3	284.6	313.3
MEAN	7.32	10.3	11.0	12.2	11.4	25.6	47.5	76.3	19.6	14.0	9.18	10.4
MAX	8.6	16	14	16	15	42	93	135	34	35	31	68
MIN	6.6	7.6	9.5	9.6	9.3	9.5	30	37	11	6.6	5.5	6.1
AC-FT	450	613	675	753	658	1,580	2,830	4,690	1,170	859	565	621

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

	12.4	11.5	10.4	10.0	11.8	18.2	54.7	142	67.9	22.1	16.9	13.8
MEAN	38.4	24.1	21.3	17.7	18.6	39.5	140	489	428	69.9	59.7	46.8
(WY)	(1973)	(1988)	(1984)	(1984)	(1947)	(1995)	(1985)	(1973)	(1983)	(1983)	(1968)	(1998)
MIN	6.17	5.95	5.78	6.41	7.40	9.10	17.1	12.3	7.53	6.75	5.81	6.33
(WY)	(1991)	(1978)	(1991)	(1951)	(1960)	(1951)	(1975)	(2002)	(2002)	(2002)	(2002)	(1956)

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SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	7,277.2		7,791.6		32.7	
ANNUAL MEAN	19.9		21.3		86.0	
HIGHEST ANNUAL MEAN					1983	
LOWEST ANNUAL MEAN					2002	
HIGHEST DAILY MEAN	164	May 16	135	May 5	1,080	May 31, 1983
LOWEST DAILY MEAN	5.0	Feb 7	5.5	Aug 12	2.1	Nov 3, 1990
ANNUAL SEVEN-DAY MINIMUM	6.0	Jul 12	5.7	Aug 7	2.5	Oct 28, 1990
ANNUAL RUNOFF (AC-FT)	14,430		15,450		23,700	
10 PERCENT EXCEEDS	45		46		73	
50 PERCENT EXCEEDS	11		12		13	
90 PERCENT EXCEEDS	7.3		7.1		7.7	

e Estimated

