

## 09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW $\frac{1}{4}$  NE $\frac{1}{4}$  NE $\frac{1}{4}$  sec.26, T.18 N., R.107 W., Sweetwater County, Hydrologic Unit 14040106, on right bank 0.1 mi downstream from Bitter Creek, 1.0 mi southeast of town of Green River, and 4.0 mi upstream from high-water line of Flaming Gorge Reservoir.

DRAINAGE AREA.--14,000 mi<sup>2</sup>, of which 4,260 mi<sup>2</sup>, including 3,959 mi<sup>2</sup> in Great Divide Basin in southern Wyoming, probably is noncontributing.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1951 to current year.

REVISED RECORDS.--WSP 1713: 1957. WDR-76-2: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,060 ft above NGVD of 1929, from topographic map. National Weather Service data collection platform with satellite telemetry at station.

REMARKS.--Records fair except those for estimated daily discharges, which are poor. Some regulation by Fontenelle Reservoir since August 1963. Natural flow of stream affected by transbasin diversions, storage reservoirs, power generation, and diversions for irrigation of about 223,000 acres upstream from station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 22,200 ft<sup>3</sup>/s, Jun 19, 1918, at site 1.5 mi upstream.

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	697	706	e760	e760	e800	e820	804	741	915	889	1,920	992
2	699	700	e770	e760	e800	e800	777	738	918	1,580	1,930	924
3	700	709	e780	e760	e800	e800	807	739	910	2,740	1,960	910
4	704	717	e790	e750	e780	e780	810	753	896	3,140	1,840	948
5	715	728	e780	e750	e800	e780	802	756	905	3,220	1,710	955
6	712	726	e780	e760	e780	e780	773	749	901	2,930	1,580	908
7	728	722	e790	e780	e780	e800	761	732	889	2,680	1,450	900
8	727	708	e793	e780	e780	e800	819	717	885	2,100	1,410	896
9	723	703	e790	e780	e790	e820	832	711	882	2,350	1,400	881
10	715	711	e790	e780	e780	e820	838	735	894	2,710	1,350	868
11	717	725	e790	e780	e780	e840	822	733	892	2,700	1,250	874
12	718	728	e790	e780	e760	e850	795	780	863	2,700	1,180	870
13	708	742	e780	e780	e770	e870	776	906	847	2,690	1,150	889
14	719	742	e780	e770	e800	e880	765	1,050	860	2,710	1,160	1,010
15	708	732	e785	e720	e820	e880	749	1,130	884	2,500	1,160	1,400
16	716	740	e785	e800	e820	e900	748	1,140	866	2,050	1,150	1,400
17	724	736	e780	e840	e800	e900	763	1,160	876	1,820	1,150	1,060
18	723	724	e790	e780	e774	e900	770	1,190	884	1,820	1,160	847
19	697	722	e780	e780	e810	e920	761	1,160	933	1,840	1,150	847
20	695	721	e760	e760	e810	901	764	1,060	926	1,850	1,140	906
21	715	729	e760	e750	e810	877	763	1,010	924	1,840	1,140	866
22	689	715	e760	e770	e800	875	755	980	897	1,850	1,140	852
23	697	e730	e760	e800	e800	877	745	989	899	1,860	1,170	889
24	698	e740	e760	e800	e800	882	748	976	908	1,880	1,170	939
25	702	e730	e760	e770	e820	880	743	953	1,120	1,900	1,160	939
26	708	e750	e760	e760	e820	882	741	938	1,160	1,910	1,140	936
27	715	e750	e760	e780	e820	875	731	934	1,070	1,930	1,190	940
28	722	e740	e750	e800	e830	850	729	951	968	1,930	1,210	946
29	734	e730	e750	e800	e820	840	749	961	863	1,940	1,170	987
30	750	e750	e760	e820	---	826	765	928	903	1,940	1,120	992
31	690	---	e760	e820	---	814	---	930	---	1,930	1,080	---
TOTAL	22,065	21,806	23,983	24,120	23,154	26,319	23,205	28,230	27,538	67,929	40,890	28,571
MEAN	712	727	774	778	798	849	774	911	918	2,191	1,319	952
MAX	750	750	793	840	830	920	838	1,190	1,160	3,220	1,960	1,400
MIN	689	700	750	720	760	780	729	711	847	889	1,080	847
AC-FT	43,770	43,250	47,570	47,840	45,930	52,200	46,030	55,990	54,620	134,700	81,110	56,670

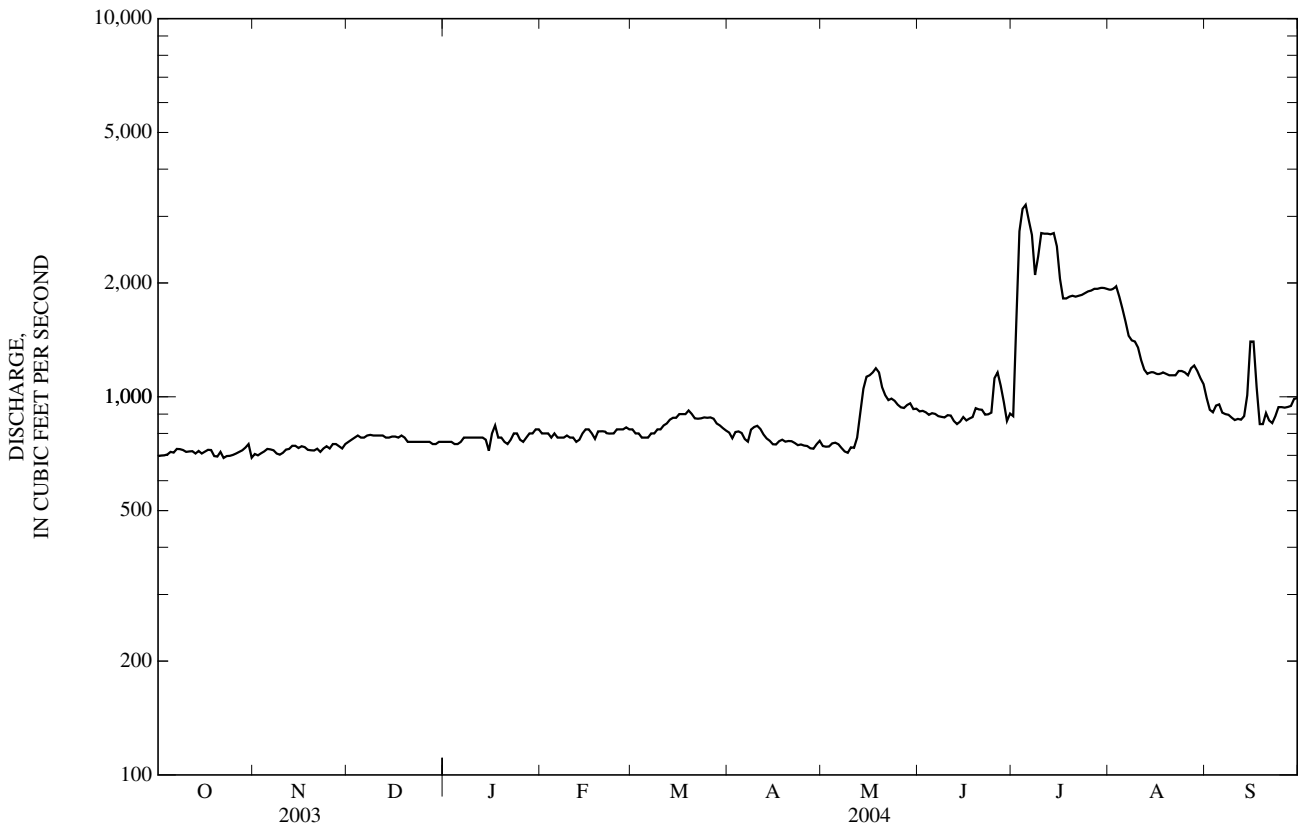
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2004, BY WATER YEAR (WY)

MEAN	952	845	734	752	821	1,029	1,593	2,500	4,599	3,116	1,527	1,109
MAX	3,109	1,844	1,419	1,442	1,980	1,852	3,416	5,665	11,700	9,415	3,577	7,746
(WY)	(1983)	(1984)	(1972)	(1996)	(1974)	(1974)	(1962)	(1952)	(1986)	(1982)	(1982)	(1965)
MIN	279	281	272	266	267	350	516	434	414	368	372	251
(WY)	(1989)	(1989)	(1989)	(1989)	(1989)	(1989)	(1968)	(1992)	(1977)	(1977)	(1977)	(1988)

09217000 GREEN RIVER NEAR GREEN RIVER, WY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1952 - 2004	
ANNUAL TOTAL	316,674		357,810		--	
ANNUAL MEAN	868		978		1,633	
HIGHEST ANNUAL MEAN	--		--		3,089 1986	
LOWEST ANNUAL MEAN	--		--		576 2002	
HIGHEST DAILY MEAN	1,800	Mar 27	3,220	Jul 5	16,700	Sep 7, 1965
LOWEST DAILY MEAN	555	Jul 30	689	Oct 22	170	Nov 16, 1955
ANNUAL SEVEN-DAY MINIMUM	573	Jul 26	699	Oct 19	214	Dec 24, 1962
MAXIMUM PEAK FLOW	--		4,500	Jul 4	16,800 <sup>a</sup>	Sep 7, 1965
MAXIMUM PEAK STAGE	--		4.09	Jul 4	8.53 <sup>a</sup>	Sep 7, 1965
ANNUAL RUNOFF (AC-FT)	628,100		709,700		1,183,000	
10 PERCENT EXCEEDS	1,390		1,490		3,540	
50 PERCENT EXCEEDS	718		808		1,050	
90 PERCENT EXCEEDS	620		722		460	

a Caused by emergency release from Fontenelle Reservoir.  
 e Estimated.



## 09217900 BLACKS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 40°57'33", long 110°34'46", in SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> SW<sup>1</sup>/<sub>4</sub> sec.27, T.3 N., R.12 E., Summit County, Utah, Hydrologic Unit 14040107, on left bank 1 mi downstream from East Fork, 2.7 mi south of Utah-Wyoming State line, and 18 mi south of Robertson.

DRAINAGE AREA.--130 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1937 to July 1939 (published as "at Blacks Fork Ranger Station"), July 1966 to September 1986, October 1992 to current year.

GAGE.--Water-stage recorder. Datum of gage is 8,811.3 ft above NGVD of 1929 (Bureau of Reclamation benchmark). Datums published from October 1968 to September 1978 are incorrect. October 1937 to July 1939, at site 970 ft downstream at different datum, July 1966 to September 1986 and October 1992 to September 1993 at site 0.2 mi downstream at datum 6.5 ft lower. U.S. Geological Survey data collection platform with satellite telemetry at station.

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

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	29	e20	e25	e20	e17	e9.5	42	105	269	243	93	42
2	37	e22	e24	e17	e18	e8.5	49	136	349	225	92	40
3	33	23	e24	e15	e20	e9.0	61	184	402	207	93	46
4	34	e22	e23	e16	e24	e9.5	62	254	449	197	86	66
5	32	e21	e23	e15	e24	e10	73	361	499	186	82	64
6	31	e20	e27	e14	e25	e11	78	443	542	177	88	54
7	30	e21	e26	e15	e23	e10	79	452	569	171	73	46
8	29	e21	e25	e17	e25	e10	79	455	548	168	69	44
9	26	e22	e23	e18	e23	e11	74	471	498	166	65	41
10	25	22	e21	e19	e20	e10	54	489	455	159	62	40
11	22	e23	e19	e18	e18	e10	54	480	395	150	59	38
12	26	e21	e22	e18	e13	e9.5	59	386	318	144	56	38
13	24	21	e23	e17	e12	e9.0	67	301	270	145	53	51
14	22	22	e22	e16	e11	e9.5	76	249	301	157	51	41
15	25	e22	e21	e17	e12	e10	67	235	321	234	51	39
16	24	e25	e22	e18	e13	e11	60	262	304	260	53	39
17	23	e28	e23	e16	e13	e10	64	307	348	223	57	37
18	22	e29	e23	e17	e14	e11	66	367	376	202	66	35
19	21	e23	e24	e18	e13	e12	56	410	295	178	68	50
20	21	e24	e25	e18	e12	e13	57	432	278	167	52	76
21	21	e21	e22	e16	e10	14	59	395	297	175	50	57
22	20	e20	e20	e16	e9.5	18	54	371	259	154	55	53
23	19	e19	e19	e17	e9.0	23	52	308	242	160	58	52
24	18	e20	e20	e18	e10	30	59	294	240	132	66	55
25	17	e21	e21	e16	e10	36	58	284	280	123	62	51
26	19	e22	e22	e16	e11	31	76	240	256	129	68	47
27	22	e21	e20	e18	e11	25	108	265	245	128	58	44
28	22	e23	e18	e19	e10	22	129	323	266	123	51	43
29	20	e26	e19	e17	e11	26	113	348	332	109	48	47
30	19	e28	e19	e16	---	27	99	262	298	103	46	58
31	17	---	e18	e18	---	33	---	234	---	95	44	---
TOTAL	750	673	683	526	441.5	488.5	2,084	10,103	10,501	5,190	1,975	1,434
MEAN	24.2	22.4	22.0	17.0	15.2	15.8	69.5	326	350	167	63.7	47.8
MAX	37	29	27	20	25	36	129	489	569	260	93	76
MIN	17	19	18	14	9.0	8.5	42	105	240	95	44	35
AC-FT	1,490	1,330	1,350	1,040	876	969	4,130	20,040	20,830	10,290	3,920	2,840

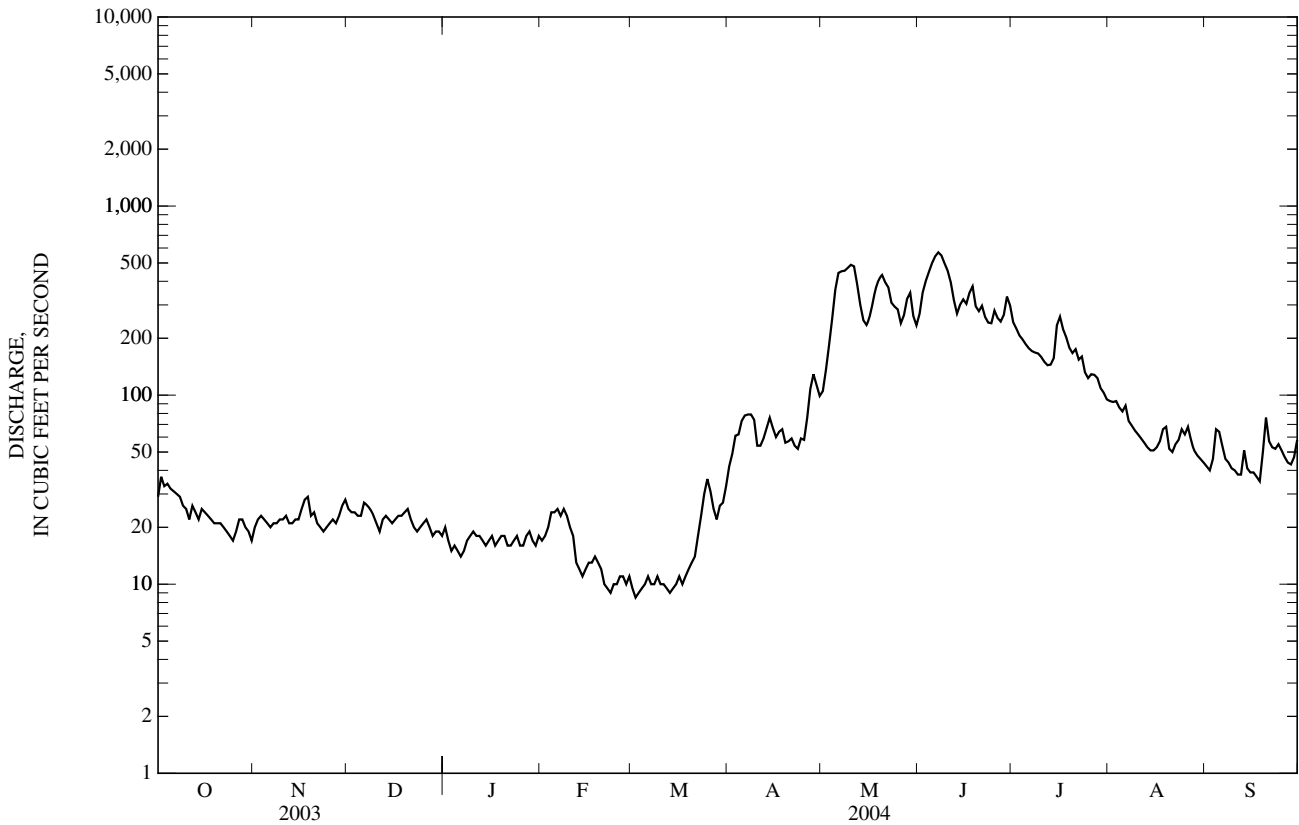
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2004, BY WATER YEAR (WY)

MEAN	51.8	39.6	31.6	26.5	23.0	24.1	52.3	397	725	314	103	66.1
MAX	136	62.0	50.0	55.7	36.9	38.6	112	789	1,273	1,003	232	157
(WY)	(1983)	(1974)	(1974)	(1997)	(1974)	(1969)	(1985)	(1984)	(1983)	(1975)	(1983)	(1982)
MIN	22.9	20.8	11.1	6.73	9.23	8.54	19.4	134	190	56.5	28.8	27.4
(WY)	(2002)	(2000)	(1977)	(1977)	(2003)	(2002)	(1975)	(1975)	(2002)	(2002)	(2002)	(2001)

09217900 BLACKS FORK NEAR ROBERTSON, WY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1966 - 2004	
ANNUAL TOTAL	45,362.4		34,849.0		--	
ANNUAL MEAN	124		95.2		155	
HIGHEST ANNUAL MEAN	--		--		228 1983	
LOWEST ANNUAL MEAN	--		--		57.1 2002	
HIGHEST DAILY MEAN	1,780	May 30	569	Jun 7	1,880	Jun 19, 1983
LOWEST DAILY MEAN	5.8 <sup>e</sup>	Feb 8	8.5 <sup>e</sup>	Mar 2	3.2	Apr 2, 1994
ANNUAL SEVEN-DAY MINIMUM	6.6	Feb 7	9.6	Feb 28	3.9	Apr 2, 1994
MAXIMUM PEAK FLOW	--		712	Jun 6, 7	2,480 <sup>a</sup>	Jun 19, 1983
MAXIMUM PEAK STAGE	--		3.44	Jun 6	5.17 <sup>b</sup>	Jun 15, 1995
ANNUAL RUNOFF (AC-FT)	89,980		69,120		112,200	
10 PERCENT EXCEEDS	369		297		461	
50 PERCENT EXCEEDS	37		36		45	
90 PERCENT EXCEEDS	14		13		20	

a Gage height, 4.91 ft, site and datum then in use.  
 b Discharge, 2,210 ft<sup>3</sup>/s.  
 e Estimated.



## 09220000 EAST FORK OF SMITHS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 41°03'15", long 100°23'52", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec.5, T.12 N., R.115 W., Uinta County, Hydrologic Unit 14040107, Wasatch National Forest, on left bank 60 ft downstream from bridge, 1.0 mi upstream from Gilbert Creek, 6.1 mi downstream from State Line Reservoir, and 9.0 mi south of Robertson.

DRAINAGE AREA.--53.0 mi<sup>2</sup>.

PERIOD OF RECORD.--July 1939 to September 1999, (no winter records 1971 to 1999) April 2001 to current year. Monthly discharge only for some periods, published in WSP 1313. Prior to Oct. 1, 1978, published as East Fork of Smith Fork near Robertson.

REVISED RECORDS.--WSP 979: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry. Elevation of gage is 8,470 ft above NGVD of 1929, from topographic map. Prior to July 12, 1957, at datum 3.96 ft higher.

REMARKS.--Records good except those for estimated daily discharges, which are poor. Flow completely regulated by State Line Reservoir, 6.1 mi upstream, total capacity, 14,000 acre-ft, dead storage is about 2,000 acre-ft, since May 1979.

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	23	e15	5.7	e4.4	e4.8	e4.2	e11	7.0	99	87	51	22
2	23	15	5.7	e4.3	e4.9	e4.1	e12	6.6	92	87	51	22
3	23	12	e5.6	e4.4	e4.9	e4.2	e11	6.5	92	86	48	23
4	22	13	e5.5	e4.5	e5.0	e4.3	e10	6.4	94	86	45	23
5	22	13	e5.4	e4.5	e4.9	e4.3	e11	6.1	98	85	43	23
6	21	e13	e5.2	e4.4	e4.8	e4.5	e11	5.7	98	84	42	22
7	21	e14	e5.0	e4.5	e4.6	e4.6	e12	5.6	98	84	40	22
8	21	e13	e4.9	e4.6	e4.6	e4.7	e12	5.4	107	84	38	22
9	21	e12	e4.8	e4.5	e4.5	e4.7	e11	5.3	119	84	37	22
10	20	12	e4.8	e4.4	e4.3	e4.8	e10	5.3	120	83	33	22
11	20	12	e4.7	e4.3	e4.1	e4.7	e8.8	5.3	120	83	28	23
12	20	12	e4.6	e4.3	e4.0	e4.7	e7.8	5.4	120	83	28	23
13	20	8.1	e4.7	e4.4	e4.1	e4.6	e7.8	5.6	119	76	28	24
14	20	7.9	e4.5	e4.3	e4.2	e4.7	7.8	24	119	66	28	23
15	20	11	e4.4	e4.2	e4.2	e4.8	6.9	51	106	68	28	23
16	20	9.8	e4.2	e4.3	e4.3	e5.0	6.4	52	90	69	28	28
17	20	9.5	e4.3	e4.3	e4.4	e5.4	6.2	52	89	69	29	34
18	19	10	e4.4	e4.4	e4.4	e5.8	6.8	67	89	72	30	34
19	19	8.1	e4.5	e4.4	e4.3	e6.0	6.1	99	88	70	29	34
20	19	7.5	e4.4	e4.3	e4.3	e6.4	6.1	108	88	72	29	35
21	19	6.8	e4.5	e4.3	e4.2	e6.8	9.9	107	89	75	29	29
22	19	5.9	e4.3	e4.4	e4.2	e7.0	7.4	108	93	75	29	21
23	19	e5.8	e4.3	e4.5	e4.3	e7.4	7.5	109	98	75	29	21
24	17	e6.0	e4.4	e4.6	e4.4	e7.6	7.1	108	99	74	28	21
25	14	e5.8	e4.4	e4.5	e4.4	e7.9	7.0	110	100	74	25	21
26	15	e5.6	e4.5	e4.6	e4.5	e7.6	6.8	111	99	74	26	21
27	15	e5.6	e4.5	e4.6	e4.4	e8.0	6.8	110	98	64	25	21
28	15	e5.8	e4.4	e4.7	e4.4	e8.4	6.8	110	98	52	25	19
29	15	e5.8	e4.4	e4.8	e4.3	e9.0	7.6	107	94	51	25	16
30	15	5.8	e4.3	e4.7	---	e9.6	7.2	105	87	51	25	15
31	15	---	e4.4	e4.7	---	e10	---	105	---	51	24	---
TOTAL	592	286.8	145.7	138.1	128.7	185.8	255.8	1,719.2	3,000	2,294	1,003	709
MEAN	19.1	9.56	4.70	4.45	4.44	5.99	8.53	55.5	100	74.0	32.4	23.6
MAX	23	15	5.7	4.8	5.0	10	12	111	120	87	51	35
MIN	14	5.6	4.2	4.2	4.0	4.1	6.1	5.3	87	51	24	15
AC-FT	1,170	569	289	274	255	369	507	3,410	5,950	4,550	1,990	1,410

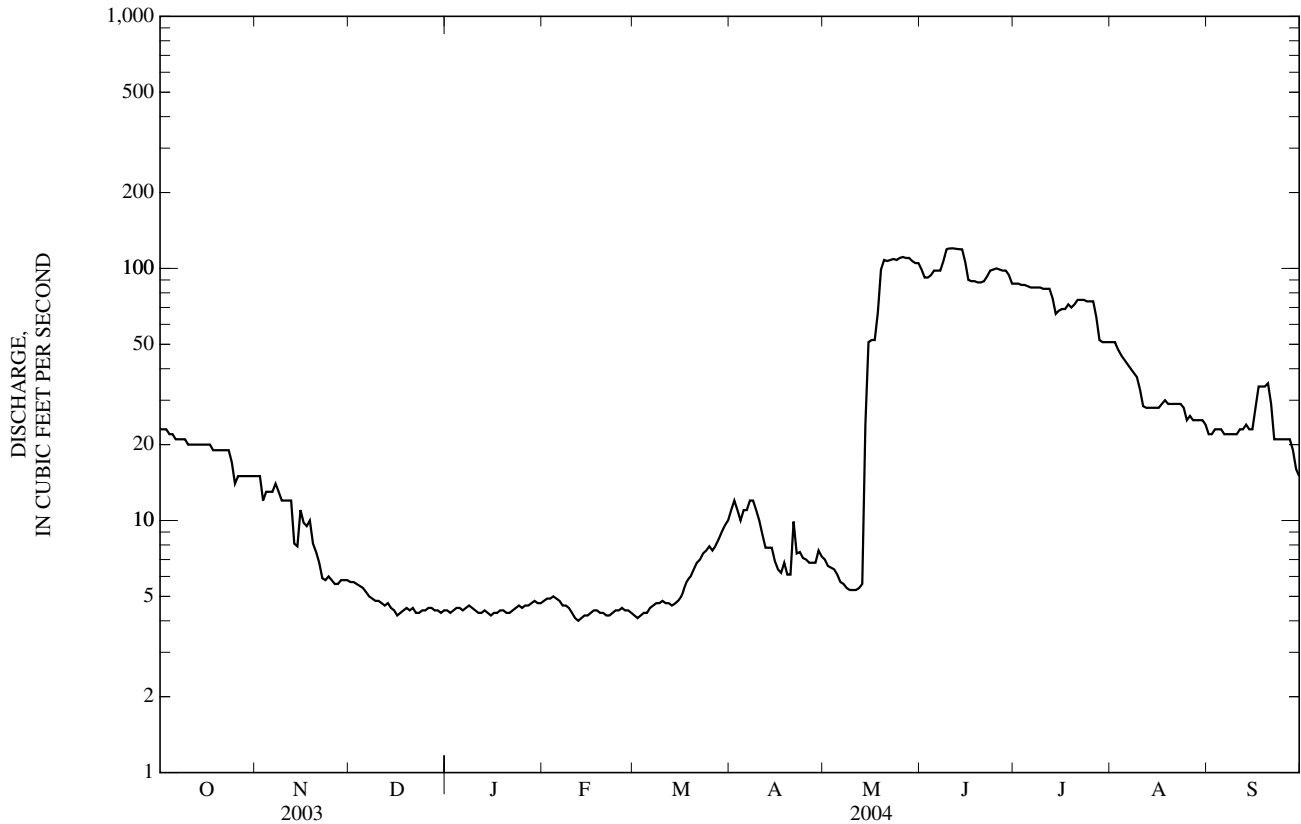
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	16.0	10.8	7.89	7.06	6.99	7.82	18.4	102	212	104	41.9	27.9
MAX	34.8	19.0	16.9	16.4	13.4	15.0	90.0	221	628	374	120	91.2
(WY)	(1962)	(1952)	(1966)	(1966)	(1966)	(1943)	(1946)	(1974)	(1983)	(1975)	(1965)	(1995)
MIN	5.21	5.50	2.11	1.34	1.55	2.14	3.71	26.6	59.3	15.9	6.64	6.68
(WY)	(1957)	(1957)	(1963)	(1963)	(1963)	(1963)	(1982)	(1983)	(1954)	(1940)	(1940)	(1956)

09220000 EAST FORK OF SMITHS FORK NEAR ROBERTSON, WY—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	12,887.5		10,458.1		--	
ANNUAL MEAN	35.3		28.6		45.6	
HIGHEST ANNUAL MEAN	--		--		88.9 1965	
LOWEST ANNUAL MEAN	--		--		24.1 2002	
HIGHEST DAILY MEAN	158	Jun 5	120	Jun 10	1,200	Jun 24, 1983
LOWEST DAILY MEAN	2.6	Feb 11	4.0	Feb 12	1.0	Dec 17, 1962
ANNUAL SEVEN-DAY MINIMUM	2.9	Feb 8	4.2	Feb 10	1.0	Dec 17, 1962
MAXIMUM PEAK FLOW	--		125	Jun 10	1,450	Jun 10, 1965
MAXIMUM PEAK STAGE	--		4.77	Jun 10	6.75	Jun 10, 1965
ANNUAL RUNOFF (AC-FT)	25,560		20,740		33,060	
10 PERCENT EXCEEDS	118		91		134	
50 PERCENT EXCEEDS	9.6		12		13	
90 PERCENT EXCEEDS	3.8		4.4		5.5	

e Estimated.



## 09234500 GREEN RIVER NEAR GREENDALE, UT

LOCATION.--Lat 40°54'30", long 109°25'20", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec. 15, T. 2 N., R. 22 E., Daggett County, Hydrologic Unit 14040106, Ashley National Forest on right bank 0.5 mi downstream from Flaming Gorge Dam, 2 mi south of Dutch John, 4 mi northeast of Greendale, and 407 mi from mouth.

DRAINAGE AREA.--19,350 mi<sup>2</sup>, approximately, including about 4,260 mi<sup>2</sup> which is probably noncontributing. This noncontributing area includes 3,959 mi<sup>2</sup> in Great Divide Basin in southern Wyoming.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to current year.

REVISED RECORDS.--WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 5,594.48 ft above NGVD of 1929. Prior to September 2, 1959, water-stage recorder at site 2.2 mi upstream at different datum. September 3, 1959, to September 30, 1985, at datum 5.0 ft lower.

REMARKS.-- Records good. Flow completely regulated by Flaming Gorge Reservoir 0.5 mi upstream, beginning November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,600 ft<sup>3</sup>/s, Jun 12, 1957, gage height, 10.60 ft, site and datum then in use; maximum gage height, 14.51 ft, May 12, Jun 6, 1986, datum then in use; minimum, 2.3 ft<sup>3</sup>/s, Mar 20, 22, 27, 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,590 ft<sup>3</sup>/s, May 12, gage height, 11.61 ft; minimum daily discharge, 796 ft<sup>3</sup>/s, Jul 21.

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	889	928	940	947	947	954	e954	962	1,150	1,140	1,150	1,150
2	877	928	943	948	918	954	e954	962	1,150	1,140	1,140	1,160
3	885	928	943	952	906	954	e954	961	1,160	1,140	1,160	1,160
4	896	928	940	958	910	954	e953	962	1,150	1,140	1,150	1,160
5	896	928	941	965	918	953	e953	961	1,150	1,140	1,160	1,160
6	894	928	943	936	917	954	e954	956	1,150	1,140	1,140	1,160
7	896	928	944	933	917	1,180	953	955	1,150	1,150	1,150	1,160
8	896	928	944	928	918	955	952	1,070	1,150	1,160	1,160	1,160
9	898	929	944	928	918	954	951	2,640	1,150	1,170	1,160	1,160
10	894	928	944	928	919	952	970	4,000	1,160	1,170	1,150	1,160
11	895	929	945	928	919	953	989	4,550	1,160	1,170	1,160	1,110
12	895	929	945	928	918	952	964	4,530	1,160	1,170	1,150	1,160
13	900	929	945	928	911	952	953	4,130	1,150	1,160	1,150	1,380
14	901	931	943	928	911	1,180	954	3,760	1,150	1,170	1,150	1,440
15	902	936	944	928	912	954	954	3,410	1,150	1,170	1,160	1,160
16	914	936	945	928	913	953	956	3,020	1,160	1,160	1,140	1,160
17	922	931	944	931	912	953	954	2,630	1,160	1,170	1,160	1,150
18	923	932	945	931	914	953	957	2,260	1,160	1,160	1,160	1,150
19	925	933	945	923	938	953	967	1,910	1,160	1,160	1,160	1,150
20	929	933	945	931	1,130	954	955	1,390	1,160	1,170	1,150	1,150
21	934	936	945	926	953	1,200	956	1,200	1,150	796	1,160	1,160
22	929	935	945	936	1,180	953	957	1,170	1,150	1,170	1,160	1,160
23	923	936	948	940	948	954	959	1,160	1,150	1,160	1,160	1,160
24	925	934	945	938	946	954	958	1,160	1,150	1,170	1,160	1,150
25	927	938	945	944	947	954	964	1,160	1,150	1,170	1,160	1,160
26	927	940	945	975	954	953	957	1,160	1,150	1,170	1,150	1,160
27	926	941	945	1,180	953	954	958	1,160	1,150	1,170	1,160	1,160
28	924	938	945	943	953	1,180	959	1,160	1,160	1,170	1,160	1,160
29	927	940	945	947	1,180	953	962	1,160	1,160	1,160	1,160	1,160
30	928	941	945	946	---	951	962	1,160	1,130	1,170	1,160	1,160
31	928	---	945	946	---	e954	---	1,150	---	1,160	1,160	---
TOTAL	28,225	27,979	29,270	29,328	27,580	30,481	28,743	58,819	34,590	35,616	35,810	35,190
MEAN	910	933	944	946	951	983	958	1,897	1,153	1,149	1,155	1,173
MAX	934	941	948	1,180	1,180	1,200	989	4,550	1,160	1,170	1,160	1,440
MIN	877	928	940	923	906	951	951	955	1,130	796	1,140	1,110
AC-FT	55,980	55,500	58,060	58,170	54,700	60,460	57,010	116,700	68,610	70,640	71,030	69,800

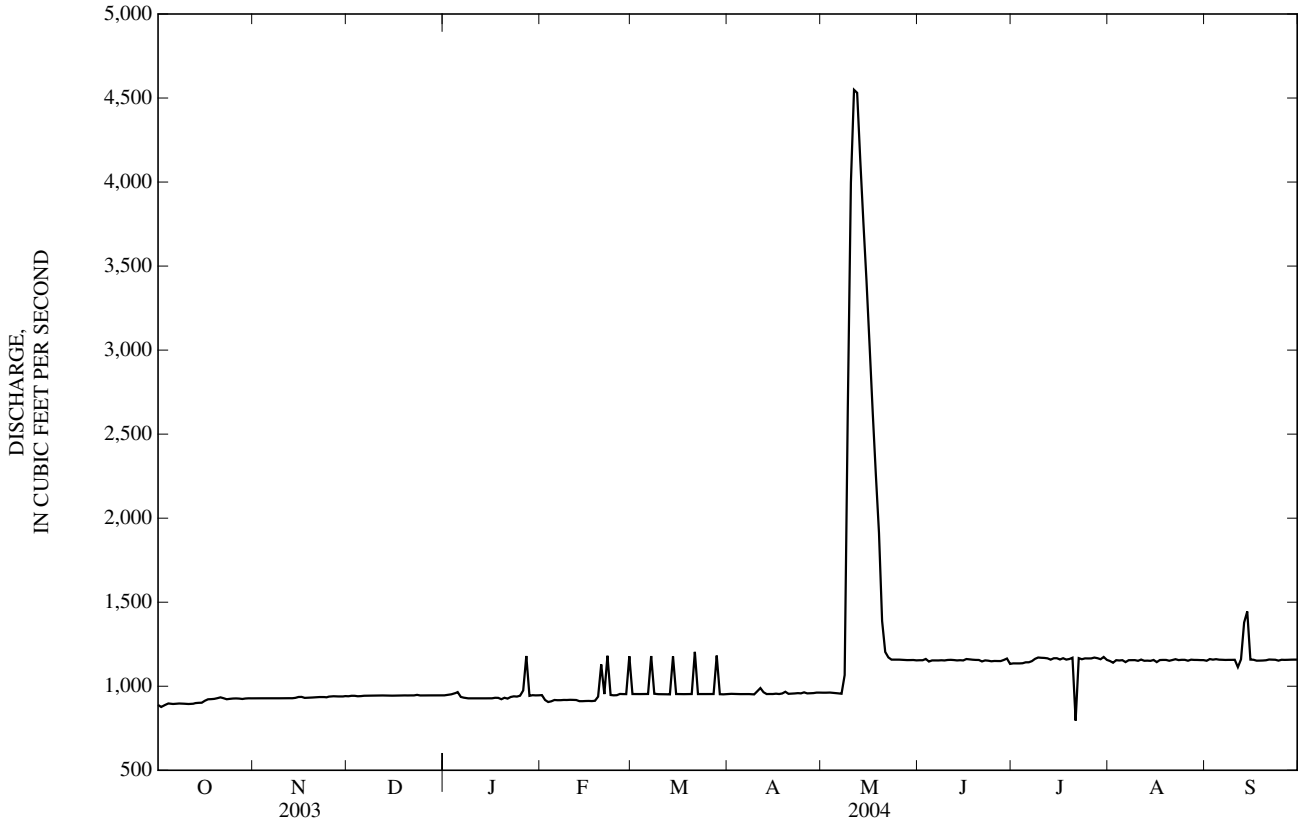
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	1,827	1,975	2,150	2,078	2,060	1,762	1,891	2,488	2,468	2,239	1,927	1,808
MAX	3,911	3,655	3,626	4,145	4,090	3,818	4,271	7,146	8,044	10,130	5,056	3,729
(WY)	(1983)	(1983)	(1973)	(1985)	(1984)	(1977)	(1997)	(1986)	(1999)	(1983)	(1983)	(1983)
MIN	128	312	743	836	773	599	587	984	900	474	497	734
(WY)	(1964)	(1964)	(1964)	(2002)	(1971)	(1964)	(1964)	(1990)	(2002)	(1965)	(1965)	(1965)

09234500 GREEN RIVER NEAR GREENDALE, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	371,712		401,631			
ANNUAL MEAN	1,018		1,097		2,056	
HIGHEST ANNUAL MEAN					4,270	1983
LOWEST ANNUAL MEAN					936	2002
HIGHEST DAILY MEAN	4,590	May 26	4,550	May 11	12,300	Jul 16, 1983
LOWEST DAILY MEAN	751	Jul 8	796	Jul 21	90	Oct 8, 1963
ANNUAL SEVEN-DAY MINIMUM	754	Jul 7	890	Oct 1	112	Oct 2, 1963
ANNUAL RUNOFF (AC-FT)	737,300		796,600		1,490,000	
10 PERCENT EXCEEDS	1,030		1,170		3,690	
50 PERCENT EXCEEDS	855		954		1,760	
90 PERCENT EXCEEDS	787		923		866	

e Estimated





## 09234500 GREEN RIVER NEAR GREENDALE, UT—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1956 to September 2000, October 2001 to September 2003, February 2004 to September 2004

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1956 to September 1959, October 1963 to September 2000.

WATER TEMPERATURES: October 1956 to September 1959, October 1963 to September 2000, October 2001 to September 2003, February 2004 to September 2004.

SEDIMENT DATA: October 1956 to September 1959.

INSTRUMENTATION.--Water-quality monitor from December 1986 to September 2000. Water temperature Thermister installed October 2001.

REMARKS.--Storage in Flaming Gorge Reservoir began on November 1, 1962. Samples for daily records are taken inside Penstock. Extremes are given for two separate periods--water years 1957-62, and water years 1964 to current year. Extremes for the 1963 water year (October 1962 to September 1963) are not included. Temperature extremes for the 1994 water year are not included. Unpublished daily records of specific conductance obtained before 1965 were included in the determination of extremes for period of daily record and are available in files of district office. Daily records provided by Bureau of Reclamation. Water-quality monitor located in separate shelter 0.6 mi downstream from Flaming Gorge Dam.

EXTREMES FOR PERIOD OF DAILY RECORD.--(water years 1957-62, 1964-2000, 2002-03, Feb to Sep 2004).

SPECIFIC CONDUCTANCE (water years 1957-58, 1960-62): Maximum daily, 1,340 microsiemens, Aug 30, 1961; minimum daily, 325 microsiemens, Jun 2, 1961.

WATER TEMPERATURES (water years 1957-59): Maximum, 24.0°C, Jul 24, 25, 1959; minimum, 0.0°C, on many days during winter period each year.

SPECIFIC CONDUCTANCE (water years 1964 to 2000): Maximum daily, 1,060 microsiemens, Nov 9, 1971; minimum, 507 microsiemens, Jul 29, 1998.

WATER TEMPERATURES: (water years 1964 to 2000, 2002-03, Feb to Sep 2004): Maximum, 17.2°C, Jul 9, 1989; minimum 1.6°C, Mar 1, 2, 1987.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 15.6°C, Jul 22; minimum, 2.3°C, Feb 8.

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	3.8	3.0	3.3	4.9	4.4	4.5	7.6	6.9	7.3
2	---	---	---	4.1	3.0	3.3	5.0	4.3	4.8	8.2	7.2	7.5
3	---	---	---	4.1	3.1	3.5	4.9	4.2	4.5	8.7	7.3	8.0
4	---	---	---	3.9	3.1	3.4	5.0	4.4	4.7	8.6	7.8	8.0
5	---	---	---	4.1	3.1	3.4	5.6	4.8	5.1	8.2	7.8	7.9
6	4.1	3.1	3.4	3.8	2.8	3.2	5.3	4.5	4.8	8.1	7.3	7.7
7	4.1	3.1	3.5	4.1	2.8	3.3	5.3	4.7	5.0	8.3	7.4	7.8
8	3.4	2.3	3.0	4.5	3.1	3.5	5.6	4.7	5.2	8.5	7.6	7.9
9	3.4	2.4	2.9	4.5	3.3	3.6	6.9	5.5	6.1	8.8	8.0	8.6
10	3.8	2.6	3.1	4.5	3.3	3.6	6.1	5.6	5.8	8.8	7.4	8.3
11	3.6	3.0	3.2	4.5	3.3	3.6	6.3	5.3	5.8	9.3	7.9	8.7
12	3.6	2.6	3.0	4.7	3.4	3.7	6.3	5.8	6.1	9.0	7.9	8.3
13	3.9	2.8	3.2	4.7	3.4	3.7	6.3	5.5	5.8	9.2	8.1	8.9
14	3.9	2.8	3.3	4.7	3.4	3.8	6.3	5.8	6.0	8.9	8.1	8.6
15	4.1	3.0	3.4	4.7	3.4	3.8	6.6	6.1	6.2	8.9	8.4	8.7
16	4.1	3.1	3.4	4.4	3.6	3.8	6.7	6.1	6.4	9.2	8.4	8.8
17	4.2	3.3	3.6	4.9	3.6	3.9	6.7	6.1	6.5	9.5	8.6	9.1
18	4.5	3.4	3.7	5.0	3.8	4.0	6.7	6.3	6.4	9.8	8.8	9.3
19	3.6	3.3	3.4	5.2	3.8	4.2	6.4	5.8	6.2	9.8	9.2	9.6
20	3.9	3.1	3.4	5.2	3.9	4.2	6.6	5.8	6.2	9.8	8.9	9.2
21	3.8	3.1	3.4	5.0	3.9	4.2	6.6	6.1	6.3	10.3	9.0	9.6
22	3.9	3.1	3.4	5.0	3.9	4.2	6.3	5.6	6.1	9.9	8.8	9.5
23	4.1	3.3	3.5	4.5	4.1	4.2	6.4	5.3	5.8	10.3	8.7	9.3
24	3.8	3.4	3.5	5.2	3.9	4.3	6.6	5.8	6.2	9.9	9.2	9.5
25	4.2	3.4	3.6	4.5	4.1	4.2	7.2	6.3	6.6	9.7	9.0	9.4
26	4.1	3.3	3.7	4.9	4.1	4.3	7.4	6.7	6.9	10.2	9.1	9.6
27	4.1	3.3	3.5	5.0	4.2	4.6	7.5	6.8	7.1	10.5	9.6	9.9
28	4.4	3.0	3.6	5.3	4.7	5.0	8.5	7.1	7.5	10.7	9.7	10.0
29	3.8	3.1	3.4	4.7	4.2	4.4	7.8	6.7	7.1	11.4	9.7	10.6
30	---	---	---	4.7	4.1	4.3	7.1	6.6	6.9	11.4	10.6	11.0
31	---	---	---	4.7	4.2	4.4	---	---	---	11.4	10.6	11.0
MONTH	4.5	2.3	3.4	5.3	2.8	3.9	8.5	4.2	6.0	11.4	6.9	9.0



## 09261000 GREEN RIVER NEAR JENSEN, UT

LOCATION.--Lat 40°24'34", long 109°14'05", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 5, T. 5 S., R. 24 E., Uintah County, Hydrologic Unit 14060001, Dinosaur National Monument, on right bank 300 ft upstream from highway bridge, 1 mi downstream from Cub Creek and Chew Ranch, 4 mi southeast of Dinosaur National Monument headquarters, 6.5 mi northeast of Jensen, 12 mi upstream from Brush Creek, and 313.9 mi from mouth.

DRAINAGE AREA.--29,660 mi<sup>2</sup>, approximately, including about 4,260 mi<sup>2</sup>, which probably is noncontributing. This noncontributing area includes 3,959 mi<sup>2</sup> in Great Divide Basin in southern Wyoming.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1903 to December 1904, June to August 1905 (gage heights only), March to September 1906, July to October 1914, August to December 1915, October 1946 to current year. Prior to October 1946, published as "at Jensen," except October to December 1903, which was published as "near Vernal."

REVISED RECORDS.--WSP 1243: 1904(m). WDR UT-73: 1972. WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 4,758 ft above NGVD of 1929, from river-profile map. Prior to October 1, 1946, nonrecording gages at site 15 mi downstream at different datums. December 13, 1946 to September 30, 1948, water-stage recorder at present site at datum 1.50 ft higher.

REMARKS.--Records good except for estimated daily discharges, which are fair. Transbasin diversions and diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234500) 93.1 mi upstream beginning November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,000 ft<sup>3</sup>/s, May 18, 1984; gage height, 14.66 ft; minimum observed, 102 ft<sup>3</sup>/s, Dec 6, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,500 ft<sup>3</sup>/s, May 13, gage height, 7.26 ft; minimum daily discharge, 1,000 ft<sup>3</sup>/s, Jan 9, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,100	1,160	1,360	1,340	e1,050	1,750	2,870	4,350	5,170	2,660	1,330	1,180
2	1,120	1,160	1,350	1,280	e1,050	1,920	2,710	4,510	4,470	2,640	1,280	1,200
3	1,120	1,200	1,350	1,320	e1,100	1,690	2,720	4,250	4,090	3,290	1,240	1,180
4	1,100	1,260	1,370	1,170	e1,200	1,680	3,010	3,930	3,910	3,120	1,220	1,240
5	1,110	1,310	1,350	e1,100	e1,170	1,660	3,330	4,140	4,070	2,690	1,230	1,350
6	1,150	1,340	1,400	e1,080	e1,140	1,630	3,510	4,890	4,640	2,460	1,210	1,590
7	1,140	1,390	1,440	e1,050	e1,180	1,630	3,670	6,010	4,890	2,280	1,190	1,460
8	1,130	1,390	1,440	e1,030	e1,220	1,660	4,120	7,080	5,100	2,170	1,170	1,350
9	1,160	1,350	1,350	e1,000	e1,200	1,930	4,360	7,680	5,360	2,060	1,160	1,310
10	1,160	1,340	1,240	e1,000	e1,210	1,840	4,600	8,630	5,410	1,950	1,160	1,440
11	1,130	1,330	1,250	e1,020	e1,180	1,860	5,180	10,200	5,200	1,860	1,160	e1,350
12	1,100	1,310	1,200	e1,020	e1,160	2,250	5,090	11,000	4,940	1,770	1,150	e1,330
13	1,100	1,330	1,230	e1,020	e1,100	2,210	4,450	11,400	4,340	1,710	1,130	e1,520
14	1,100	1,370	1,250	e1,060	e1,080	2,210	3,960	10,500	3,870	1,650	1,110	e1,560
15	1,110	1,400	1,340	e1,080	e1,100	2,190	3,680	9,380	3,620	1,600	1,100	e1,250
16	1,100	1,400	1,160	e1,110	e1,150	2,290	3,530	8,260	3,500	1,610	1,080	1,400
17	1,100	1,400	1,150	e1,140	e1,250	2,120	3,620	7,380	3,580	1,660	1,080	1,250
18	1,120	1,400	1,220	e1,100	e1,320	2,090	3,690	6,830	3,600	1,550	1,080	1,220
19	1,130	1,400	1,240	e1,140	e1,300	2,010	3,940	6,340	3,630	1,490	1,090	1,280
20	1,130	1,380	1,200	e1,110	e1,350	2,000	4,260	6,150	3,830	1,740	1,180	1,280
21	1,130	1,360	1,220	e1,020	e1,350	2,120	4,310	6,350	3,970	1,720	1,180	1,290
22	1,120	1,390	1,270	e1,020	e1,380	2,360	3,970	6,750	3,740	1,600	1,120	1,300
23	1,130	1,310	1,270	e1,050	e1,360	2,840	3,770	6,910	3,700	1,340	1,090	1,320
24	1,140	1,090	1,220	e1,050	e1,400	2,900	3,760	6,670	3,930	1,470	1,110	1,390
25	1,130	1,140	1,270	e1,040	e1,440	3,110	3,530	5,970	3,550	2,070	1,190	1,800
26	1,130	1,230	1,310	e1,040	1,500	3,410	3,300	5,670	3,150	2,050	1,210	1,810
27	1,140	1,220	1,370	e1,030	1,620	3,670	3,200	5,240	2,920	1,760	1,230	1,750
28	1,140	1,230	1,190	e1,030	1,670	3,890	3,120	4,890	2,770	1,580	1,220	1,700
29	1,130	1,280	1,120	e1,050	1,730	3,820	3,140	4,770	2,690	1,540	1,240	1,730
30	1,140	1,280	1,310	e1,120	---	3,820	3,720	4,920	2,660	1,460	1,220	1,800
31	1,130	---	1,340	e1,080	---	3,230	---	5,490	---	1,400	1,170	---
TOTAL	34,870	39,150	39,780	33,700	36,960	73,790	112,120	206,540	120,300	59,950	36,330	42,630
MEAN	1,125	1,305	1,283	1,087	1,274	2,380	3,737	6,663	4,010	1,934	1,172	1,421
MAX	1,160	1,400	1,440	1,340	1,730	3,890	5,180	11,400	5,410	3,290	1,330	1,810
MIN	1,100	1,090	1,120	1,000	1,050	1,630	2,710	3,930	2,660	1,340	1,080	1,180
AC-FT	69,160	77,650	78,900	66,840	73,310	146,400	222,400	409,700	238,600	118,900	72,060	84,560

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2004, BY WATER YEAR (WY)

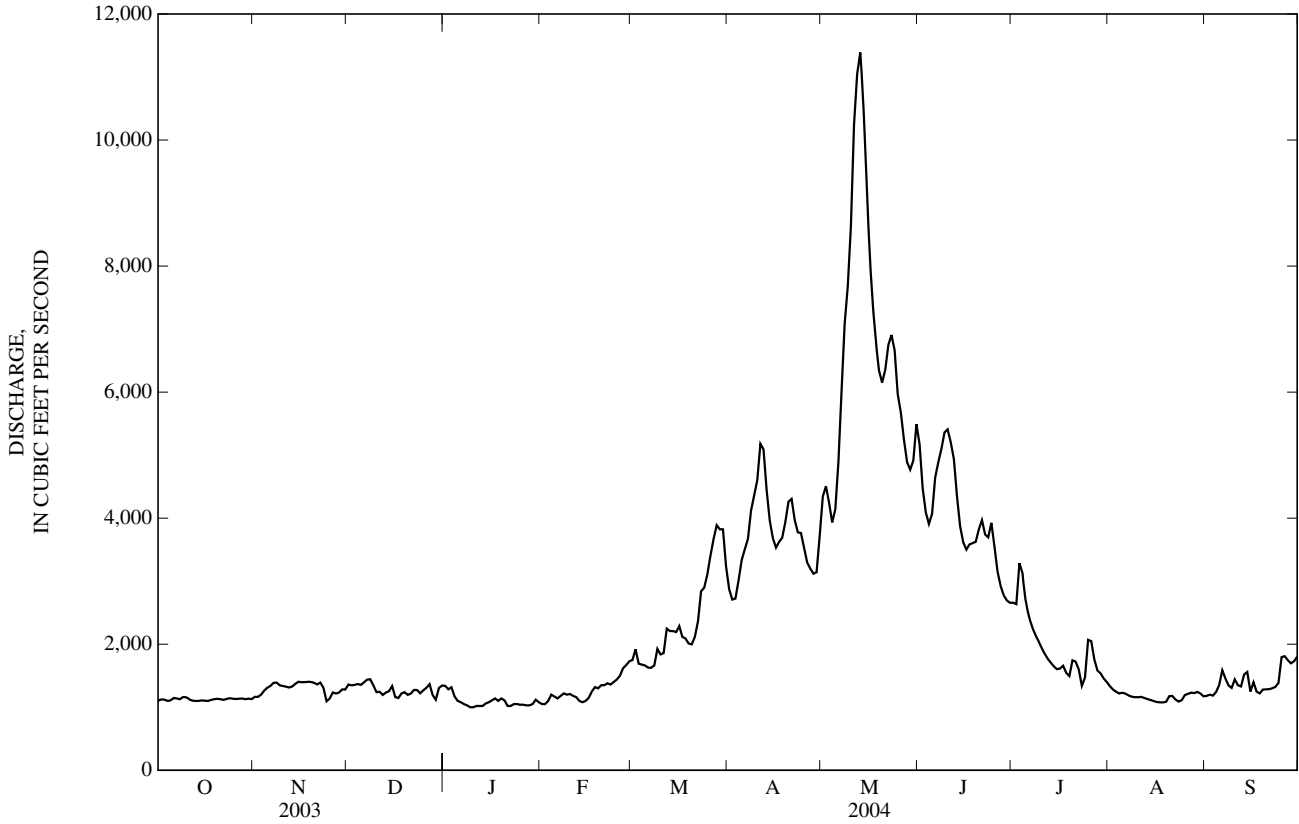
MEAN	2,115	2,201	2,161	2,106	2,330	3,040	5,552	11,200	11,210	4,547	2,385	1,895
MAX	5,020	4,833	4,414	4,844	4,839	5,765	15,350	24,110	26,460	16,110	6,460	4,159
(WY)	(1983)	(1987)	(1987)	(1985)	(1986)	(1986)	(1986)	(1984)	(1984)	(1983)	(1983)	(1983)
MIN	344	590	527	598	721	946	2,036	4,220	2,505	504	453	503
(WY)	(1964)	(1963)	(1963)	(1955)	(1955)	(1963)	(1963)	(1990)	(2002)	(1963)	(1963)	(1963)

GREEN RIVER BASIN

09261000 GREEN RIVER NEAR JENSEN, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947 - 2004	
ANNUAL TOTAL	1,030,261		836,120			
ANNUAL MEAN	2,823		2,284		4,232	
HIGHEST ANNUAL MEAN					7,783	1984
LOWEST ANNUAL MEAN					1,457	1963
HIGHEST DAILY MEAN	19,000	Jun 3	11,400	May 13	38,500	May 18, 1984
LOWEST DAILY MEAN	959	Aug 16	1,000	Jan 9	260	Aug 2, 1963
ANNUAL SEVEN-DAY MINIMUM	985	Aug 13	1,020	Jan 7	296	Oct 9, 1963
ANNUAL RUNOFF (AC-FT)	2,044,000		1,658,000		3,066,000	
10 PERCENT EXCEEDS	6,400		4,610		10,400	
50 PERCENT EXCEEDS	1,340		1,380		2,680	
90 PERCENT EXCEEDS	1,060		1,100		1,080	

e Estimated



## 09261000 GREEN RIVER NEAR JENSEN, UT—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--June 1947 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1947 to September 1952, October 1961 to September 1996.

WATER TEMPERATURE: March 1949 to September 1959, October 1961 to September 1996, October 1998 to current year.

SUSPENDED-SEDIMENT DISCHARGE: May 1948 to September 1979.

INSTRUMENTATION.--Temperature data logger October 1, 1998 to current year.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office. Sediment data for water years 1998 to 2002 was collected by Colorado District of U.S. Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 2,330 microsiemens/cm, Sep 10, 1963; minimum daily, 176 microsiemens/cm, May 24, 1963.

WATER TEMPERATURE: Maximum, 30.0°C, Jul 11, 1958; minimum, 0.0°C, on many days during winter period most years.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 40,600 mg/L, Aug 23, 1960; minimum daily mean, 9 mg/L, Oct 7-11, 1953, Nov 22, 1962, and Sep 1, 1972.

SEDIMENT LOADS: Maximum daily, 2,500,000 tons, Mar 29, 1962; minimum daily, 10 tons, on many days in 1962 and 1963.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 26.5°C, Jul 15; minimum, 0.0°C, on many days in winter period

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	16.9	14.7	16.0	6.1	3.7	4.8	0.9	0.0	0.4	0.7	0.1	0.5
2	17.0	14.9	16.1	5.8	4.1	5.1	2.2	0.5	1.2	1.2	0.3	0.7
3	16.7	15.0	16.1	5.9	5.1	5.5	2.4	0.9	1.8	1.0	0.1	0.6
4	17.0	14.4	15.9	6.3	4.6	5.4	2.3	1.1	1.7	0.7	0.0	0.2
5	16.6	14.4	15.9	5.9	4.3	5.1	2.2	0.8	1.7	0.2	0.0	0.1
6	16.4	13.8	15.2	5.0	3.4	4.2	2.1	1.6	1.9	0.2	0.1	0.1
7	15.7	13.3	14.9	4.7	2.9	3.9	3.1	1.9	2.5	0.2	0.1	0.1
8	16.1	13.5	15.1	5.2	3.2	4.3	3.1	2.1	2.7	0.2	0.1	0.1
9	15.8	13.5	14.9	5.4	3.6	4.6	2.6	1.4	2.0	0.2	0.0	0.1
10	15.6	13.2	14.4	6.5	5.1	5.8	2.3	0.3	1.0	0.2	0.0	0.1
11	13.4	10.8	12.3	6.8	5.1	6.0	0.9	0.0	0.3	0.3	0.0	0.2
12	12.7	10.0	11.3	6.3	4.5	5.4	1.2	0.0	0.5	0.3	0.2	0.2
13	11.8	9.6	10.9	6.2	5.0	5.7	1.5	0.0	0.7	0.3	0.1	0.2
14	11.1	8.6	10.1	7.2	5.4	6.3	2.1	0.9	1.4	0.3	0.2	0.2
15	10.7	8.1	9.6	6.7	5.3	6.0	1.8	0.7	1.2	0.3	0.2	0.2
16	11.0	8.2	9.8	6.2	5.1	5.7	1.1	0.0	0.3	0.3	0.1	0.2
17	11.9	9.0	10.7	5.8	4.8	5.3	0.1	0.0	0.0	0.3	0.1	0.2
18	12.3	9.6	11.2	5.0	3.4	4.3	0.1	0.0	0.0	0.3	0.1	0.2
19	12.5	9.9	11.5	4.7	2.9	3.6	0.1	0.0	0.0	0.3	0.1	0.2
20	12.7	10.1	11.7	4.2	2.1	3.2	0.2	0.0	0.0	0.3	0.1	0.2
21	12.7	10.2	11.7	4.7	2.7	3.8	0.3	0.0	0.1	0.3	0.1	0.2
22	12.4	9.9	11.5	4.0	2.1	2.9	0.9	0.0	0.3	0.3	0.1	0.2
23	12.4	9.8	11.4	2.1	0.1	0.7	0.3	0.0	0.0	0.3	0.1	0.2
24	12.4	9.9	11.0	0.6	0.0	0.0	0.7	0.0	0.2	0.3	0.1	0.2
25	10.8	8.4	9.4	0.2	0.0	0.0	0.7	0.0	0.3	0.3	0.1	0.2
26	9.4	6.8	8.0	0.1	0.0	0.0	2.1	0.6	1.3	0.4	0.1	0.2
27	8.2	6.0	7.3	0.0	0.0	0.0	2.0	1.0	1.4	0.4	0.2	0.3
28	9.5	7.3	8.5	0.3	0.0	0.0	1.4	0.0	0.5	0.4	0.2	0.3
29	10.7	8.3	9.7	0.2	0.0	0.0	0.2	0.0	0.1	0.4	0.2	0.3
30	10.1	6.7	8.3	0.4	0.0	0.1	0.3	0.1	0.2	0.4	0.3	0.3
31	7.3	5.7	6.4	---	---	---	0.8	0.1	0.4	0.4	0.2	0.3
MONTH	17.0	5.7	11.8	7.2	0.0	3.6	3.1	0.0	0.8	1.2	0.0	0.2



## 09261700 BIG BRUSH CREEK ABOVE RED FLEET RESERVOIR, NEAR VERNAL, UT

LOCATION.--Lat 40°35'20", long 109°27'53", in NW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 5, T. 3 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank 950 ft below State Highway 44, 5.5 mi upstream from Little Brush Creek, and 10.5 mi northeast of Vernal.

DRAINAGE AREA.--77.2 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1979 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,625 ft above NGVD of 1929, from topographic map. Prior to September 1980, water-stage recorder at site 250 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Water from Oaks Park Reservoir (capacity 6,250 acre-ft), near headwaters, is diverted through Oaks Park Canal to Ashley Creek basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 384 ft<sup>3</sup>/s, May 22, 1998, gage height, 2.09 ft; maximum gage height, 3.06 ft, May 23, 1980 at different datum; minimum daily, 6.8 ft<sup>3</sup>/s, Aug 13, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 185 ft<sup>3</sup>/s, May 7, gage height, 1.59 ft; minimum daily discharge, 10 ft<sup>3</sup>/s, Feb. 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	13	13	13	e11	12	26	75	42	25	30	18
2	11	13	13	13	e11	12	29	86	41	24	30	18
3	11	13	13	12	11	13	32	127	39	23	30	18
4	12	13	14	13	11	12	35	144	38	23	32	22
5	12	12	13	e13	11	12	38	169	38	25	31	21
6	11	12	13	e11	11	12	45	178	36	27	29	20
7	11	12	13	13	e11	12	49	181	35	33	29	18
8	11	e12	13	12	11	12	51	176	33	33	28	17
9	11	12	13	12	11	12	56	171	32	33	27	16
10	e11	12	13	12	e11	12	51	157	32	34	26	15
11	12	13	14	e11	11	12	44	142	32	35	26	16
12	12	12	14	e11	e11	12	44	117	32	35	25	16
13	12	12	15	e11	e10	12	44	97	32	35	25	15
14	12	12	15	e12	e11	12	56	87	31	35	25	15
15	12	12	14	e12	e11	12	58	79	30	36	24	15
16	12	12	13	12	e11	12	62	74	30	36	24	14
17	12	12	14	12	11	12	76	71	30	35	23	14
18	12	12	13	e12	11	12	77	72	32	41	22	14
19	12	12	13	12	11	13	62	68	30	38	21	16
20	12	12	13	12	11	14	56	62	29	37	22	28
21	12	12	13	12	11	14	52	60	29	38	23	26
22	12	12	13	e12	11	14	47	57	30	38	24	20
23	12	e12	12	e12	12	15	43	54	29	35	24	18
24	12	12	12	12	11	16	44	53	28	34	22	18
25	12	12	13	12	11	20	45	56	27	33	21	17
26	12	13	14	e11	13	24	55	54	27	32	20	16
27	12	13	12	e11	12	26	80	52	27	33	19	15
28	13	13	12	12	11	25	111	50	26	34	19	15
29	13	13	e12	11	11	23	117	48	25	32	18	15
30	13	13	13	11	---	23	87	47	25	32	17	16
31	13	---	13	11	---	e24	---	45	---	31	17	---
TOTAL	368	370	408	368	322	468	1,672	2,909	947	1,015	753	522
MEAN	11.9	12.3	13.2	11.9	11.1	15.1	55.7	93.8	31.6	32.7	24.3	17.4
MAX	13	13	15	13	13	26	117	181	42	41	32	28
MIN	11	12	12	11	10	12	26	45	25	23	17	14
AC-FT	730	734	809	730	639	928	3,320	5,770	1,880	2,010	1,490	1,040

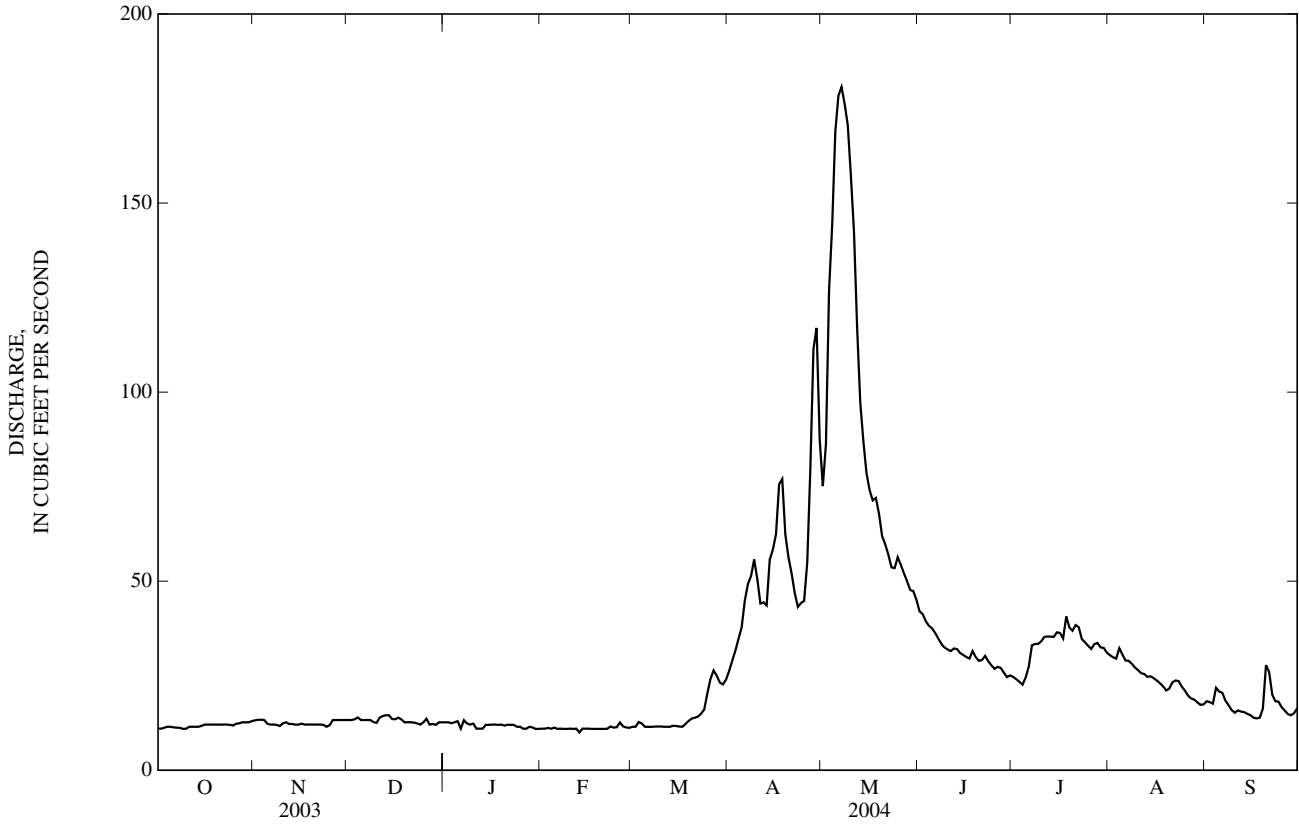
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2004, BY WATER YEAR (WY)

MEAN	20.8	17.7	15.6	14.5	13.9	15.1	45.4	150	108	44.1	31.7	23.1
MAX	38.2	29.3	25.4	22.4	21.4	24.5	88.9	296	314	126	51.2	35.1
(WY)	(1987)	(1987)	(1984)	(1984)	(1987)	(1986)	(1985)	(1998)	(1983)	(1983)	(1983)	(1997)
MIN	11.9	12.0	10.2	10.1	10.5	10.7	17.7	37.9	24.1	14.4	12.0	13.0
(WY)	(2004)	(2003)	(1993)	(1993)	(2003)	(2003)	(1982)	(2002)	(2002)	(2002)	(2002)	(2002)

09261700 BIG BRUSH CREEK ABOVE RED FLEET RESERVOIR, NEAR VERNAL, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1980 - 2004	
ANNUAL TOTAL	11,588.8		10,122		41.8	
ANNUAL MEAN	31.8		27.7		17.6	
HIGHEST ANNUAL MEAN					69.6	1998
LOWEST ANNUAL MEAN					17.6	2002
HIGHEST DAILY MEAN	238	May 18	181	May 7	375	May 22, 1998
LOWEST DAILY MEAN	9.8	Mar 31	10	Feb 13	6.8	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	10	Feb 2	11	Feb 7	8.8	Feb 7, 1992
ANNUAL RUNOFF (AC-FT)	22,990		20,080		30,270	
10 PERCENT EXCEEDS	59		54		92	
50 PERCENT EXCEEDS	13		15		21	
90 PERCENT EXCEEDS	11		11		12	

e Estimated





## 09266500 ASHLEY CREEK NEAR VERNAL, UT

LOCATION.--Lat 40°34'39", long 109°37'17", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 12, T. 3 S., R. 20 E., Uintah County, Hydrologic Unit 14060002, on right bank 0.8 mi upstream from head of Utah Power & Light Co.'s canal, 4.5 mi upstream from Dry Fork, and 10 mi northwest of Vernal.

DRAINAGE AREA.--101 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1911 to April 1912, August to December 1912, October 1914 to 1917, 1919 to current year. Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Datum of gage is 6,230.61 ft above NGVD of 1929. Prior to November 14, 1917, nonrecording and water-stage recorder at several sites within 1.5 mi of present site at various datums. November 14, 1917 to July 30, 1968, water-stage recorder at site 75 ft downstream at various datums.

REMARKS.-- Records good. Flow increased since July 1940 by water released from Oaks Park Reservoir, capacity, 6,250 acre-ft on Big Brush Creek and diverted to Ashley Creek basin for irrigation. City of Vernal pipeline, capacity, approximately 11 ft<sup>3</sup>/s diverts water from tributary spring about 1,000 ft above station (diversion began August 1, 1941); at times, part of this flow is returned to Ashley Creek 2.5 mi below station. Prior to September 1961, pipeline capacity was approximately 5 ft<sup>3</sup>/s and the return flow entered Ashley Creek 0.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft<sup>3</sup>/s, Jun 15, 1995, gage height, 5.64 ft, from highwater mark; maximum gage height, 9.05 ft, Jun 16, 1929, datum then in use; minimum, 3.2 ft<sup>3</sup>/s, Mar 16, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 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 8	2245	*844	*3.90				

Minimum daily discharge, 7.7 ft<sup>3</sup>/s, Jan 27.

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	8.7	11	12	10	12	10	16	128	159	94	63	55
2	9.2	14	12	11	12	11	19	145	155	81	61	52
3	10	14	13	11	12	11	21	222	161	78	63	52
4	9.5	14	13	11	12	11	24	346	162	79	62	67
5	9.9	12	12	11	12	11	28	519	162	92	64	72
6	9.3	13	12	11	11	10	32	595	159	78	76	67
7	9.2	14	11	11	11	10	41	553	158	73	77	57
8	9.3	15	11	11	11	10	47	581	154	73	77	40
9	9.7	16	12	10	11	11	52	533	145	80	75	37
10	9.6	16	11	10	11	12	49	485	140	78	76	35
11	9.9	15	11	10	11	13	43	457	139	77	76	33
12	9.7	14	11	10	11	14	43	334	126	75	75	29
13	9.5	15	11	10	11	14	41	271	116	82	74	29
14	9.2	15	11	10	11	14	46	236	101	84	77	30
15	8.8	15	11	12	11	14	54	227	92	101	77	17
16	9.2	15	11	12	11	14	59	236	84	91	76	14
17	9.6	15	10	10	11	14	68	254	85	93	74	13
18	9.1	13	10	10	11	14	75	297	115	97	74	13
19	9.0	13	10	10	11	14	70	302	92	112	74	18
20	8.8	14	9.8	10	11	15	65	280	83	95	74	111
21	8.8	14	9.8	12	10	15	65	267	93	95	82	63
22	8.7	14	9.7	12	10	14	61	240	110	83	85	43
23	8.5	12	9.6	11	10	13	56	216	85	74	85	38
24	8.5	13	8.9	8.4	11	14	56	226	76	74	83	33
25	9.0	15	9.7	8.4	10	15	56	206	82	64	79	30
26	9.0	13	11	8.0	10	16	60	190	151	60	75	28
27	8.7	13	10	7.7	10	18	81	180	112	93	69	26
28	8.7	12	11	8.1	10	17	134	183	102	84	58	24
29	8.8	12	11	7.8	10	17	152	201	105	71	54	24
30	9.6	12	11	10	---	16	140	175	99	76	52	27
31	11	---	9.6	12	---	15	---	162	---	68	56	---
TOTAL	286.5	413	336.1	316.4	316	417	1,754	9,247	3,603	2,555	2,223	1,177
MEAN	9.24	13.8	10.8	10.2	10.9	13.5	58.5	298	120	82.4	71.7	39.2
MAX	11	16	13	12	12	18	152	595	162	112	85	111
MIN	8.5	11	8.9	7.7	10	10	16	128	76	60	52	13
AC-FT	568	819	667	628	627	827	3,480	18,340	7,150	5,070	4,410	2,330

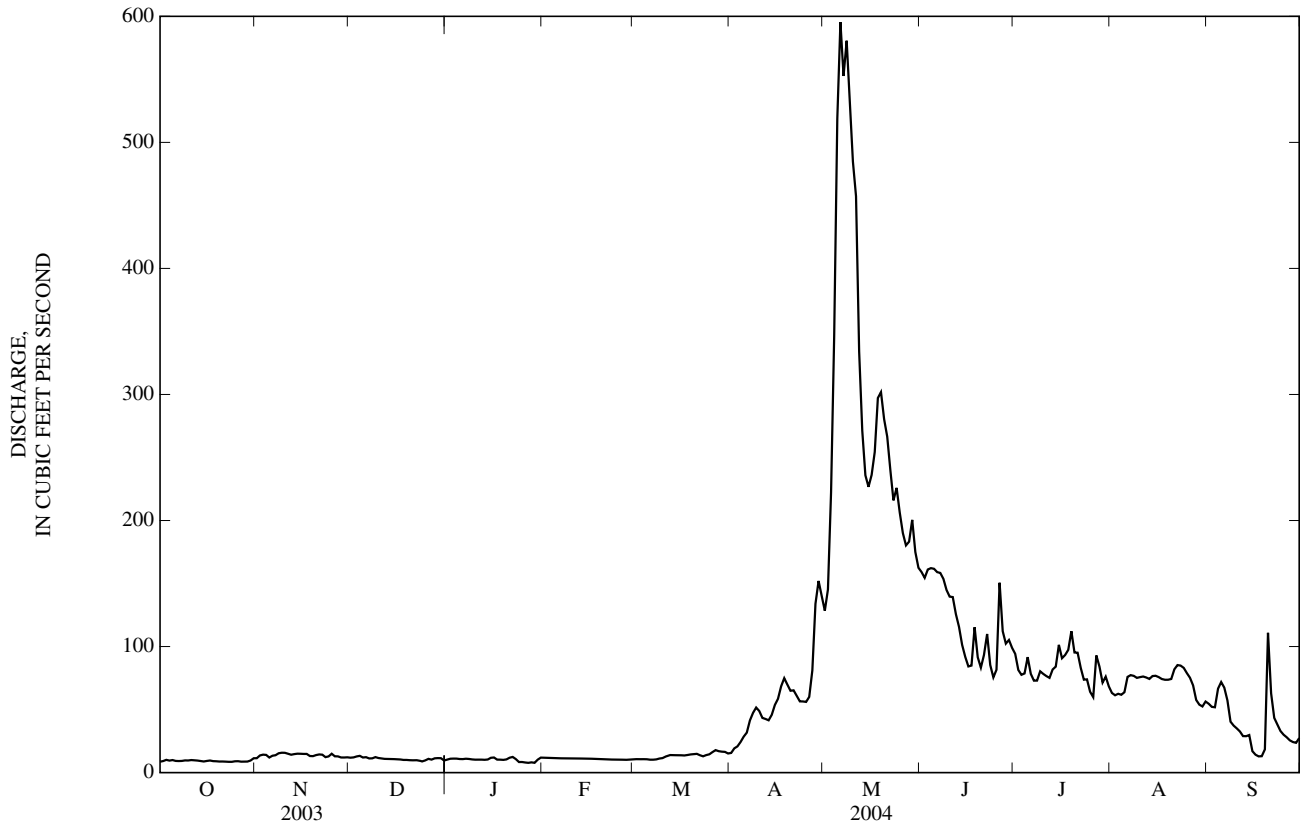
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1919-2004, BY WATER YEAR (WY)

MEAN	52.3	37.8	28.3	23.7	20.9	20.0	48.3	344	319	125	82.3	65.8
MAX	154	104	64.2	45.0	40.0	43.3	162	739	1,051	360	161	230
(WY)	(1942)	(1942)	(1942)	(1928)	(1928)	(1916)	(1962)	(1986)	(1983)	(1975)	(1952)	(1927)
MIN	6.91	5.57	7.74	5.12	4.60	4.54	6.22	71.7	56.0	19.8	13.2	7.81
(WY)	(1990)	(1990)	(1989)	(1977)	(1978)	(1978)	(1975)	(1977)	(2002)	(2002)	(2002)	(1989)

GREEN RIVER BASIN

09266500 ASHLEY CREEK NEAR VERNAL, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1915-17, 1919- 2004	
ANNUAL TOTAL	28,016.0		22,644.0		97.6	
ANNUAL MEAN	76.8		61.9		178	
HIGHEST ANNUAL MEAN					25.1	
LOWEST ANNUAL MEAN					1921	
HIGHEST DAILY MEAN	957	May 28	595	May 6	2,530	Jun 15, 1995
LOWEST DAILY MEAN	8.3	Sep 29	7.7	Jan 27	3.5	Jan 3, 1977
ANNUAL SEVEN-DAY MINIMUM	8.7	Oct 22	8.3	Jan 24	3.8	Dec 31, 1976
ANNUAL RUNOFF (AC-FT)	55,570		44,910		70,720	
10 PERCENT EXCEEDS	151		154		226	
50 PERCENT EXCEEDS	21		16		42	
90 PERCENT EXCEEDS	9.7		9.7		14	



## 09277500 DUCHESNE RIVER NEAR TABIONA, UT

LOCATION.--Lat 40°18'01", long 110°36'06", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 18, T. 2 S., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank on upstream side of bridge on State Highway 35, 6 mi upstream from Rock Creek, and 7 mi southeast of Tabiona.

DRAINAGE AREA.--353 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1918 to current year. Monthly discharge only for some periods, published in WSP 1313.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,190 ft above NGVD of 1929, from topographic map. Prior to October 15, 1934, nonrecording gage, and October 16, 1934 to November 6, 1953, water-stage recorder at site 0.5 mi upstream at various datums. November 7, 1953 to November 7, 1972, at site 1 mi upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Several diversions above station for irrigation, including a transbasin diversion through Duchesne Tunnel 20 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,260 ft<sup>3</sup>/s, Jun 16, 1963, gage height, 7.97 ft, from floodmarks, caused by failure of Little Deer Creek Dam 20 mi upstream. Rating curve extended above 400 ft<sup>3</sup>/s, on basis of slope-area measurement and area-velocity study of peak flow; minimum discharge, 18 ft<sup>3</sup>/s, Jun 5, 6, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 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 6	0715	*249	*2.37				

Minimum discharge, 24 ft<sup>3</sup>/s, Jun 1.

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	58	86	74	e63	e61	68	88	137	44	73	50	49
2	59	88	71	e60	e60	66	103	135	37	65	53	47
3	62	90	69	e57	e58	64	113	151	e38	60	54	47
4	64	87	67	e55	e56	65	106	202	45	60	56	53
5	65	84	71	e53	e56	64	114	211	48	63	57	58
6	e64	82	73	e50	e54	66	116	217	49	59	56	56
7	67	82	72	e47	e54	63	120	217	52	60	52	53
8	72	86	71	e46	e53	67	126	208	63	58	49	54
9	70	85	66	e47	e53	71	124	208	67	53	49	45
10	73	86	69	e46	e51	76	119	207	74	52	50	44
11	76	83	68	e45	e50	77	115	198	84	59	48	43
12	75	82	70	e44	e49	79	112	171	74	59	43	47
13	75	87	68	e44	e52	84	112	145	70	63	50	48
14	78	86	67	e44	e54	84	115	122	65	65	47	47
15	79	82	65	e43	e57	84	118	105	64	73	44	46
16	77	84	e64	e42	e60	80	115	90	63	74	47	48
17	77	85	e58	e43	e61	82	112	81	69	103	54	47
18	74	81	e58	e46	e62	82	113	83	91	103	62	47
19	74	80	e61	e49	e64	85	112	86	76	104	65	53
20	76	83	e62	e50	66	89	105	86	70	86	66	66
21	75	82	e62	e54	69	95	103	85	68	78	66	65
22	76	76	e65	e57	68	100	104	80	67	79	69	61
23	76	72	e62	e58	68	104	100	81	64	82	73	59
24	73	81	e60	e57	67	107	97	71	64	75	68	64
25	72	83	e58	e56	66	107	96	64	66	69	71	60
26	73	79	e58	e56	71	105	98	62	70	69	65	58
27	74	84	e56	e56	67	98	107	58	80	75	65	56
28	75	81	e54	e56	69	92	119	56	74	78	62	59
29	75	76	e55	e58	65	87	140	60	77	68	60	72
30	75	74	e57	e60	---	86	144	60	81	60	59	80
31	81	---	e60	e61	---	84	---	54	---	54	53	---
TOTAL	2,240	2,477	1,991	1,603	1,741	2,561	3,366	3,791	1,954	2,179	1,763	1,632
MEAN	72.3	82.6	64.2	51.7	60.0	82.6	112	122	65.1	70.3	56.9	54.4
MAX	81	90	74	63	71	107	144	217	91	104	73	80
MIN	58	72	54	42	49	63	88	54	37	52	43	43
AC-FT	4,440	4,910	3,950	3,180	3,450	5,080	6,680	7,520	3,880	4,320	3,500	3,240

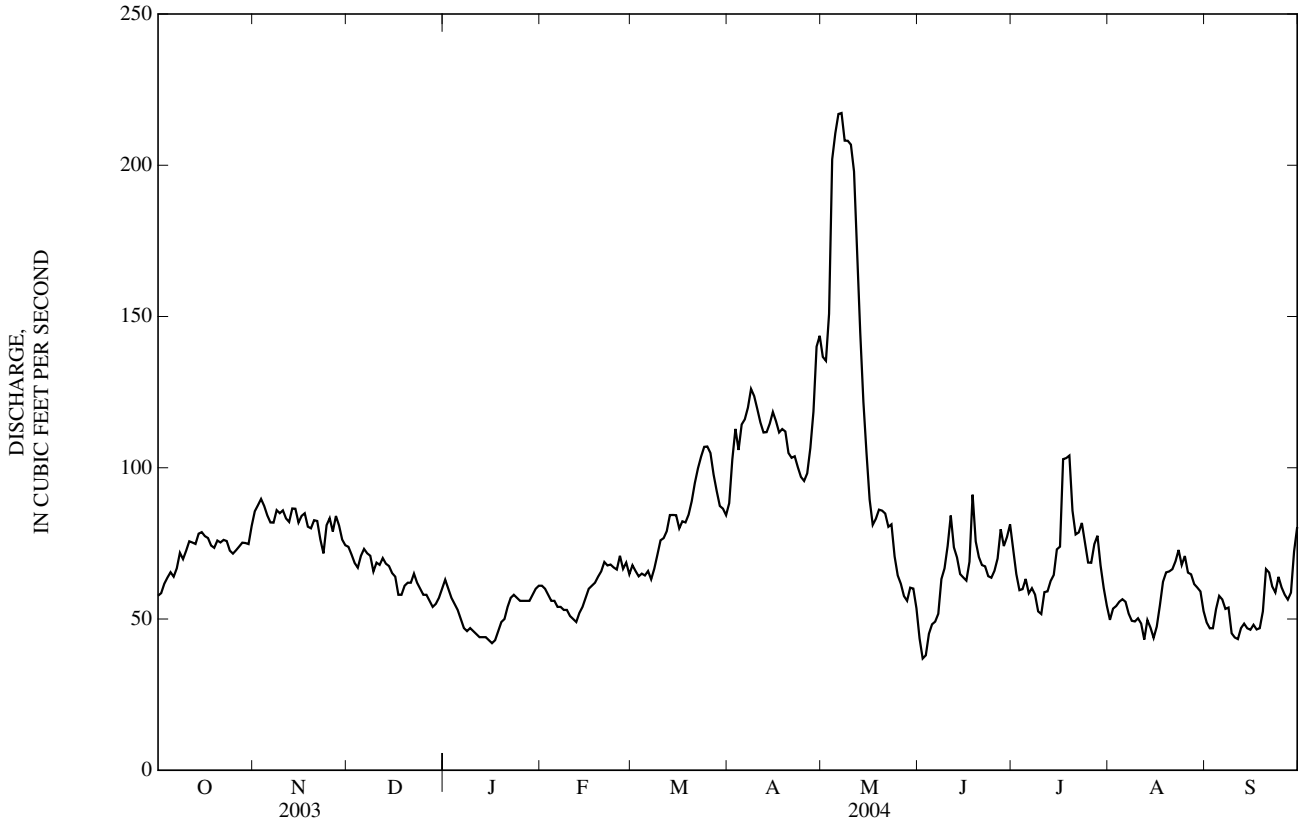
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2004, BY WATER YEAR (WY)

MEAN	115	118	106	94.1	91.5	98.4	150	468	598	194	105	104
MAX	230	180	151	147	124	153	348	1,165	1,657	690	216	233
(WY)	(1983)	(1983)	(1984)	(1966)	(1986)	(1986)	(1943)	(1952)	(1921)	(1975)	(1983)	(1927)
MIN	37.5	57.6	64.2	51.7	53.2	53.8	53.9	63.9	54.7	40.3	37.6	48.7
(WY)	(1935)	(1935)	(2004)	(2004)	(1935)	(1935)	(1977)	(1992)	(1992)	(1994)	(2002)	(1934)

09277500 DUCHESNE RIVER NEAR TABIONA, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1919 - 2004	
ANNUAL TOTAL	26,699		27,298		187	
ANNUAL MEAN	73.1		74.6		68.9	
HIGHEST ANNUAL MEAN					354	1922
LOWEST ANNUAL MEAN					68.9	1992
HIGHEST DAILY MEAN	270	May 29	217	May 6	2,490	Jun 13, 1921
LOWEST DAILY MEAN	28	Jul 16	37	Jun 2	21	Jun 5, 1992
ANNUAL SEVEN-DAY MINIMUM	32	Jul 12	44	Jan 11	30	May 31, 1992
ANNUAL RUNOFF (AC-FT)	52,960		54,150		135,400	
10 PERCENT EXCEEDS	90		106		372	
50 PERCENT EXCEEDS	68		68		108	
90 PERCENT EXCEEDS	44		49		71	

e Estimated





## 09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°29'36", long 110°34'39", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 9, T. 1 N., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Uray Indian Reservation, on right bank at Lower Stillwater damsite "B", 0.1 mi upstream from Corral Creek, 6.8 mi downstream from South Fork, and 11.9 mi northwest of Mountain Home.

DRAINAGE AREA.--147 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1937 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area, WDR UT-95-1; 1994.

GAGE.--Water-stage recorder. Elevation of gage is 7,250 ft above NGVD of 1929, from river-profile map. Prior to April 12, 1939, nonrecording gage at site 300 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow partially regulated by Upper Stillwater Reservoir 8 mi upstream, beginning November 3, 1987. Total capacity, 32,000 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,920 ft<sup>3</sup>/s, Jun 18, 1971, gage height, 5.98 ft; maximum gage height, 6.26 ft, Jun 4, 1986, from floodmarks; minimum recorded, 3.9 ft<sup>3</sup>/s, Feb 20, 2004 (probably caused by ice jams above station).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 79 ft<sup>3</sup>/s, Aug 22, gage height, 2.18 ft; minimum discharge, 3.9 ft<sup>3</sup>/s, Feb 20 (probably caused by ice jams above station).

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	48	43	40	e40	36	41	44	42	45	48	44	43
2	53	38	39	40	40	39	48	43	49	47	48	43
3	54	39	39	39	39	39	45	43	61	48	59	44
4	52	37	39	35	39	39	44	43	57	49	58	47
5	51	37	37	38	39	38	45	44	56	48	59	45
6	50	36	38	39	36	39	45	45	56	46	61	44
7	50	37	39	43	37	40	45	46	56	46	61	44
8	49	37	36	42	39	42	45	46	53	46	60	44
9	49	37	46	41	38	44	44	46	46	46	60	44
10	48	38	38	41	39	45	43	46	48	45	60	44
11	46	37	38	40	38	44	42	46	47	45	61	43
12	46	35	37	40	38	44	40	47	48	45	64	44
13	46	38	38	40	39	45	39	46	47	48	72	47
14	45	38	39	41	40	46	39	46	46	61	72	45
15	46	37	38	41	39	47	39	46	46	63	71	44
16	46	38	41	41	39	47	39	46	47	65	72	43
17	46	38	38	38	40	48	39	46	52	68	75	44
18	45	38	39	38	40	49	39	46	55	67	75	44
19	45	38	40	40	39	51	38	46	50	64	74	48
20	45	38	40	39	39	53	38	47	48	63	74	48
21	44	37	40	37	39	53	38	47	49	62	74	46
22	44	34	38	37	39	55	38	47	48	62	75	45
23	44	31	38	39	40	52	37	47	47	66	68	45
24	43	33	41	39	39	49	37	47	48	50	47	45
25	42	36	40	37	39	49	37	46	51	48	46	45
26	42	37	40	36	40	47	36	46	52	48	45	44
27	43	35	e40	38	40	44	36	46	51	48	45	44
28	42	36	e40	39	41	44	37	46	50	46	44	44
29	42	38	e40	39	38	43	41	46	50	45	43	48
30	43	40	e40	39	---	43	41	45	50	45	43	46
31	44	---	e40	36	---	43	---	45	---	44	43	---
TOTAL	1,433	1,111	1,216	1,212	1,128	1,402	1,218	1,414	1,509	1,622	1,853	1,344
MEAN	46.2	37.0	39.2	39.1	38.9	45.2	40.6	45.6	50.3	52.3	59.8	44.8
MAX	54	43	46	43	41	55	48	47	61	68	75	48
MIN	42	31	36	35	36	38	36	42	45	44	43	43
AC-FT	2,840	2,200	2,410	2,400	2,240	2,780	2,420	2,800	2,990	3,220	3,680	2,670

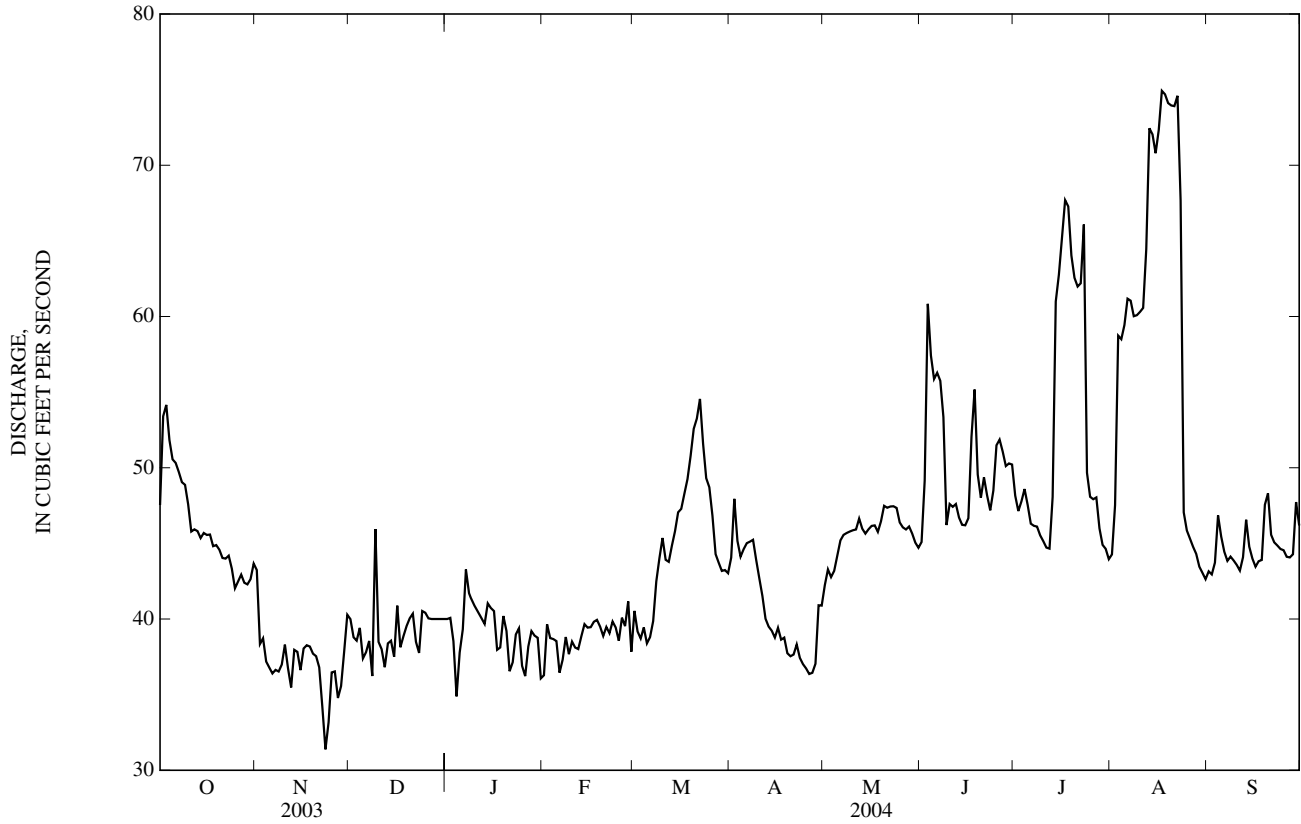
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2004, BY WATER YEAR (WY)

MEAN	55.6	51.9	49.3	46.8	46.5	49.4	48.8	109	214	171	87.0	72.5
MAX	133	135	137	123	111	116	111	431	743	599	241	253
(WY)	(1998)	(1998)	(1998)	(1998)	(1998)	(1998)	(1999)	(1997)	(1999)	(1998)	(1999)	(1999)
MIN	32.0	30.2	29.5	27.3	29.0	29.9	33.5	41.3	43.7	44.0	41.8	38.4
(WY)	(1990)	(1990)	(1991)	(1991)	(1988)	(1988)	(1995)	(1992)	(1992)	(1991)	(1991)	(1993)

09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1988 - 2004	
ANNUAL TOTAL	17,362		16,462		83.5	
ANNUAL MEAN	47.6		45.0		212	
HIGHEST ANNUAL MEAN					1999	
LOWEST ANNUAL MEAN					40.1	
HIGHEST DAILY MEAN	80	Jul 19	75	Aug 17	1,310	Jul 1, 1998
LOWEST DAILY MEAN	31	Nov 23	31	Nov 23	22	Dec 1, 1991
ANNUAL SEVEN-DAY MINIMUM	34	Jan 12	35	Nov 22	26	Dec 30, 1987
ANNUAL RUNOFF (AC-FT)	34,440		32,650		60,510	
10 PERCENT EXCEEDS	64		55		138	
50 PERCENT EXCEEDS	44		44		46	
90 PERCENT EXCEEDS	37		38		33	

e Estimated



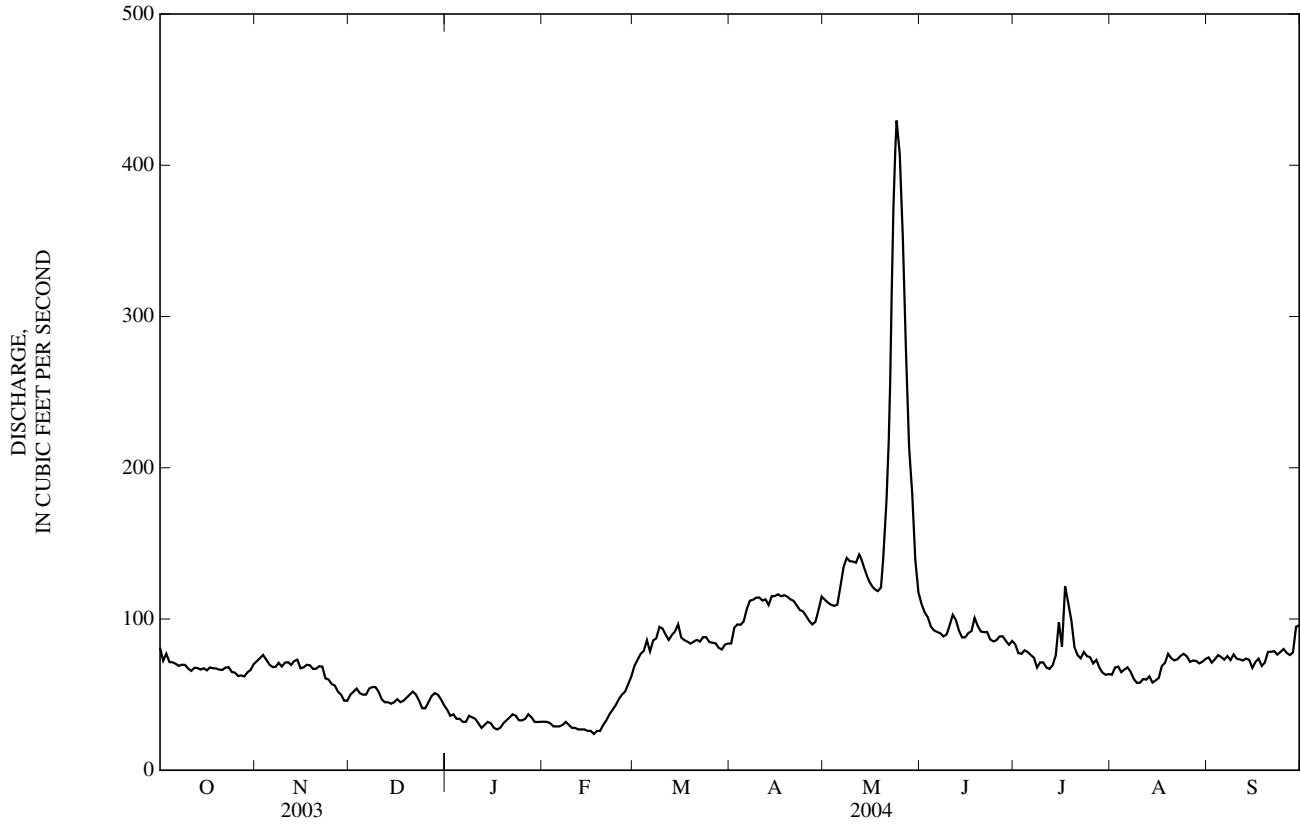




09288180 STRAWBERRY RIVER NEAR DUCHESNE, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	32,997		28,482		147	
ANNUAL MEAN	90.4		77.8		443	
HIGHEST ANNUAL MEAN					47.5	
LOWEST ANNUAL MEAN					2,010	
HIGHEST DAILY MEAN	326	Aug 15	430	May 24	1984	1977
LOWEST DAILY MEAN	41	Dec 24	24	Feb 17	18	May 31, 1983
ANNUAL SEVEN-DAY MINIMUM	45	Dec 12	26	Feb 13	20	Jun 20, 1977
ANNUAL RUNOFF (AC-FT)	65,450		56,490		106,300	
10 PERCENT EXCEEDS	136		113		304	
50 PERCENT EXCEEDS	82		72		93	
90 PERCENT EXCEEDS	55		33		60	

e Estimated



09289500 LAKE FORK RIVER ABOVE MOON LAKE, NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°36'24", long 110°31'35", in SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec. 35, T. 3 N., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 2,000 ft upstream from head of Moon Lake at maximum stage, 2 mi upstream from Brown Duck Creek, 16 mi north of Mountain Home.

DRAINAGE AREA.--77.9 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1933 to September 1934 (published as West Fork of Lake Fork above Moon Lake, near Mountain Home); July 1942 to September 1955; October 1963 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 8,180 ft above NGVD of 1929, from topographic map. April 1933 to September 1934, at site 2.5 mi upstream at different datum. July 13, 1942 to October 1, 1984, at datum 1.00 ft lower.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,740 ft<sup>3</sup>/s, Jun 27, 1995, gage height, 6.44 ft, minimum daily discharge, 12 ft<sup>3</sup>/s, 1 day in 1989 and 1997, and several days in 1993 and 1996.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 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)
Jun 6	2145	*648	*5.16				

Minimum daily discharge, 16 ft<sup>3</sup>/s, Feb 11.

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	37	e34	e20	e24	e19	e23	e38	73	266	172	95	47
2	e41	e34	e22	e24	e18	e21	e40	89	318	157	94	45
3	e46	e35	e18	e25	e18	e20	e45	123	346	146	95	45
4	e46	e32	e17	e25	e19	e21	e47	168	382	139	87	56
5	e45	e34	e17	e24	e20	e23	e48	224	438	131	84	55
6	e44	e35	e17	e24	e20	e24	e47	277	467	123	82	50
7	e43	e35	e17	e23	e19	e24	e47	314	467	114	79	46
8	e43	e33	e17	e23	e18	e24	e49	354	425	111	73	44
9	e42	e32	e18	e23	e18	e25	e48	396	355	108	69	44
10	e41	e27	e18	e21	e17	e25	e46	422	305	104	67	43
11	e40	e27	e18	e21	e16	e25	e43	409	235	94	64	42
12	e38	e27	e18	e23	e17	e25	e43	311	208	90	62	42
13	e38	e27	e18	e24	e17	e26	e44	258	200	90	60	46
14	e38	27	e18	e23	e18	e26	e44	236	221	101	59	42
15	e37	24	e17	e22	e19	e27	e46	226	222	109	59	38
16	e36	27	e18	e23	e20	e27	e45	242	223	169	58	38
17	e37	27	e18	e24	e21	e28	e45	275	258	177	61	37
18	e37	24	e18	e24	e23	e29	e44	313	282	143	62	37
19	e36	24	e18	e24	e24	e34	e44	318	227	132	61	44
20	e35	25	e19	e24	e24	e36	e45	313	211	154	57	53
21	e35	27	e18	e24	e24	39	e42	285	212	120	58	47
22	e34	18	e18	e24	e24	40	42	272	192	114	58	46
23	e33	e18	e17	e24	e24	39	42	241	181	148	62	45
24	e33	e17	e18	e25	e24	e38	42	229	177	113	e63	47
25	e32	e18	e18	e24	e24	e38	44	226	188	103	65	44
26	e32	e19	e17	e25	e24	e38	48	210	182	131	62	41
27	e33	e19	e18	e26	e23	e36	61	240	177	176	58	40
28	e32	e19	e19	e24	e23	e34	76	265	189	138	55	39
29	e32	e19	e20	e23	e23	e32	76	243	223	116	53	42
30	e33	e17	e22	e22	---	e34	72	213	199	108	51	46
31	e34	---	e23	e22	---	e35	---	213	---	99	49	---
TOTAL	1,163	781	569	731	598	916	1,443	7,978	7,976	3,930	2,062	1,331
MEAN	37.5	26.0	18.4	23.6	20.6	29.5	48.1	257	266	127	66.5	44.4
MAX	46	35	23	26	24	40	76	422	467	177	95	56
MIN	32	17	17	21	16	20	38	73	177	90	49	37
AC-FT	2,310	1,550	1,130	1,450	1,190	1,820	2,860	15,820	15,820	7,800	4,090	2,640

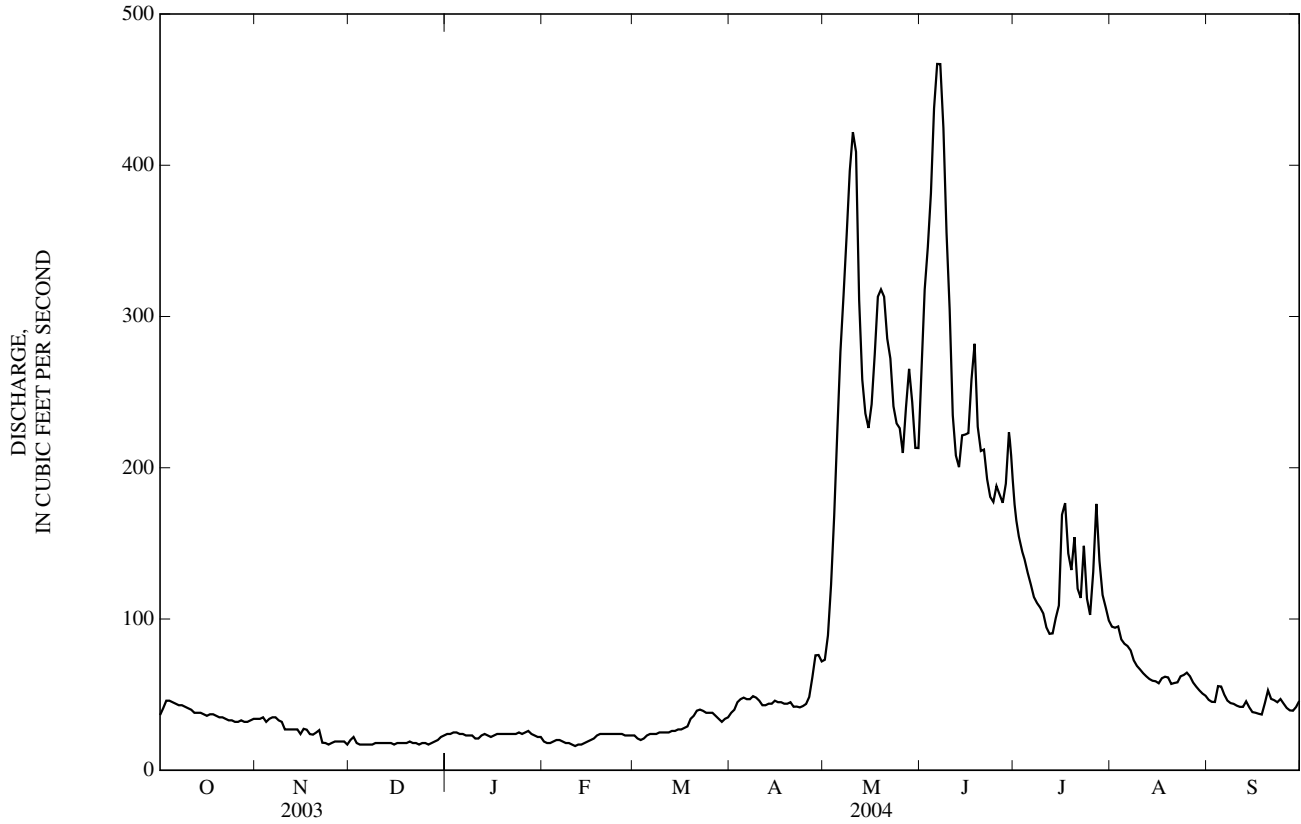
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2004, BY WATER YEAR (WY)

MEAN	52.1	38.6	30.0	26.0	24.0	25.0	40.4	258	512	211	91.8	69.0
MAX	142	80.1	61.3	40.1	39.5	46.5	89.5	578	946	772	212	174
(WY)	(1983)	(1983)	(1983)	(1983)	(1988)	(1988)	(1969)	(1969)	(1995)	(1995)	(1965)	(1997)
MIN	26.3	21.1	15.0	14.8	13.6	15.0	18.6	65.9	148	40.0	29.8	32.1
(WY)	(1989)	(2002)	(1993)	(1993)	(1997)	(1977)	(1993)	(1977)	(2002)	(2002)	(2002)	(1988)

09289500 LAKE FORK RIVER ABOVE MOON LAKE, NEAR MOUNTAIN HOME, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1964 - 2004	
ANNUAL TOTAL	31,298		29,478		115	
ANNUAL MEAN	85.7		80.5		50.8	
HIGHEST ANNUAL MEAN					195	1995
LOWEST ANNUAL MEAN					50.8	2002
HIGHEST DAILY MEAN	1,210	May 29	467	Jun 6	2,120	Jun 27, 1995
LOWEST DAILY MEAN	17	Nov 24	16	Feb 11	12	Feb 6, 1989
ANNUAL SEVEN-DAY MINIMUM	17	Dec 3	17	Dec 3	13	Apr 10, 1993
ANNUAL RUNOFF (AC-FT)	62,080		58,470		83,290	
10 PERCENT EXCEEDS	188		226		283	
50 PERCENT EXCEEDS	37		41		42	
90 PERCENT EXCEEDS	20		18		21	

e Estimated



## 09290500 MOON LAKE RESERVOIR NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'43", long 110°29'21", in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 19, T. 2 N., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, at dam on Lake Fork River, 1.4 mi downstream from Brown Duck Creek, 10.5 mi upstream from Yellowstone River, and 12.5 mi northwest of Mountain Home.

DRAINAGE AREA.--108 mi<sup>2</sup>.

PERIOD OF RECORD.--December 1937 to current year.

REVISED RECORDS.--WDR UT-77-1: 1975.

GAGE.--Nonrecording gage read once daily on days shown. Datum of gage is 8064.16 ft above sea level, (levels by Bureau of Reclamation).

REMARKS.--Reservoir formed by earthfill, rock-faced dam with concrete core. Storage began December 9, 1937. Capacity, 35,760 acre-ft between elevations 8,072.00 ft, crest of original outlet of lake, about 2,000 ft upstream from dam, and 8,137.00 ft, top of spillway gates. Elevation of spillway crest is 8,121.00 ft and elevation of sill of outlet works is 8,064.16 ft. Dead storage between sill of outlet and crest of original outlet of lake, 2,050 acre-ft. Total dead storage, 13,740 acre-ft. Figures given herein represent usable contents. Water is used for irrigation on lands under Moon Lake Water Users Association and Uintah Indian Irrigation projects.

COOPERATION.--Capacity table provided by Bureau of Reclamation. Gage heights furnished by Moon Lake Water Users Association.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 37,560 acre-ft, Jul 10-11, 1950; elevation, 8,139.30 ft; minimum observed, 226 acre-ft, Sep 30, 1946.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 19,330 acre-ft Jul 1, elevation, 8,113.6 ft; minimum contents observed, 9,140 acre-ft, Sep 1, elevation 8,095.5 ft.

## MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31.....	--	9,660	+2,290
Nov 30.....	--	11,550	+1,890
Dec 31.....	--	13,540	+1,990
CAL YR 2003	--	--	-3,650
Jan 31.....	--	15,090	+1,,550
Feb 29.....	--	16,600	+1,510
Mar 31.....	--	18,530	+1,930
Apr 30.....	--	18,350	-180
May 31.....	--	16,660	-1,690
Jun 30.....	--	19,250	+2,590
Jul 31.....	--	18,260	-990
Aug 31.....	--	9,430	-8,830
Sep 30.....	--	9,330	-100
WTR YR 2004	--	--	+1,960

Readings normally made on the first of each month.

## 09291000 LAKE FORK RIVER BELOW MOON LAKE, NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'23", long 110°29'02", in SW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 20, T. 2 N., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Ashley National Forest, on right bank 2,000 ft downstream from Moon Lake Dam, 2 mi downstream from Brown Duck Creek, and 12 mi northwest of Mountain Home.

DRAINAGE AREA.--112 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1921 to September 1934 (fragmentary), April 1942 to current year. Published as West Fork of Lake Fork near Mountain Home 1921-34, and as Lake Fork below Moon Lake, near Mountain Home 1942-65.

REVISED RECORDS.--WSP 1313: 1930 (M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 7,970 ft above NGVD of 1929 by barometer. Prior to April 1942, at damsite 2,000 ft upstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are fair. Flow regulated by Moon Lake Reservoir (see station 09290500). No diversion above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge recorded, 2,180 ft<sup>3</sup>/s, Jun 19, 1949, gage height, 4.83 ft, from rating curve extended above 860 ft<sup>3</sup>/s; maximum gage height, 5.46 ft, Jun 26, 1944; no flow at times when reservoir gates are closed.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 555 ft<sup>3</sup>/s, May 16, gage height, 2.79 ft; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	e0.00	0.00	0.00	0.00	0.00	0.00	257	391	24	244	73
2	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	333	389	24	243	71
3	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	453	373	24	267	70
4	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	427	291	75	317	71
5	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	406	270	113	334	71
6	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	357	257	129	331	58
7	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	275	259	149	330	50
8	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	255	e293	148	328	50
9	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	242	296	177	325	50
10	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	235	331	208	310	52
11	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	224	366	207	282	90
12	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	225	385	233	282	93
13	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	334	390	249	279	92
14	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	524	357	247	283	92
15	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	523	358	247	310	92
16	e0.00	e0.00	0.00	0.00	0.00	0.00	0.00	524	360	229	283	92
17	e0.00	e0.00	0.00	0.00	0.00	0.00	e28	415	365	137	281	91
18	e0.00	e0.00	0.00	0.00	0.00	0.00	e55	264	361	105	279	55
19	e0.00	e0.00	0.00	0.00	0.00	0.00	e55	214	282	157	247	54
20	e0.00	e0.00	0.00	0.00	0.00	0.00	e90	243	254	186	206	40
21	e0.00	e0.00	0.00	0.00	0.00	0.00	e112	259	161	190	204	0.00
22	e0.00	e0.00	0.00	0.00	0.00	0.00	112	259	116	218	199	0.00
23	e0.00	e0.00	0.00	0.00	0.00	0.00	112	259	116	217	95	0.00
24	e0.00	e0.00	0.00	0.00	0.00	0.00	131	324	133	221	141	0.00
25	e0.00	e0.00	0.00	0.00	0.00	0.00	146	378	141	196	140	0.00
26	e0.00	e0.00	0.00	0.00	0.00	0.00	161	399	173	91	140	0.00
27	e0.00	e0.00	0.00	0.00	0.00	0.00	185	396	137	91	139	0.00
28	e0.00	e0.00	0.00	0.00	0.00	0.00	185	395	25	91	139	0.00
29	e0.00	e0.00	0.00	0.00	0.00	0.00	185	394	25	92	139	0.00
30	e0.00	e0.00	0.00	0.00	---	0.00	184	395	25	123	138	0.00
31	e0.00	---	0.00	0.00	---	0.00	---	393	---	244	138	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	1,741.00	10,581	7,680	4,842	7,373	1,407.00
MEAN	0.00	0.00	0.00	0.00	0.00	0.00	58.0	341	256	156	238	46.9
MAX	0.00	0.00	0.00	0.00	0.00	0.00	185	524	391	249	334	93
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	214	25	24	95	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	3,450	20,990	15,230	9,600	14,620	2,790

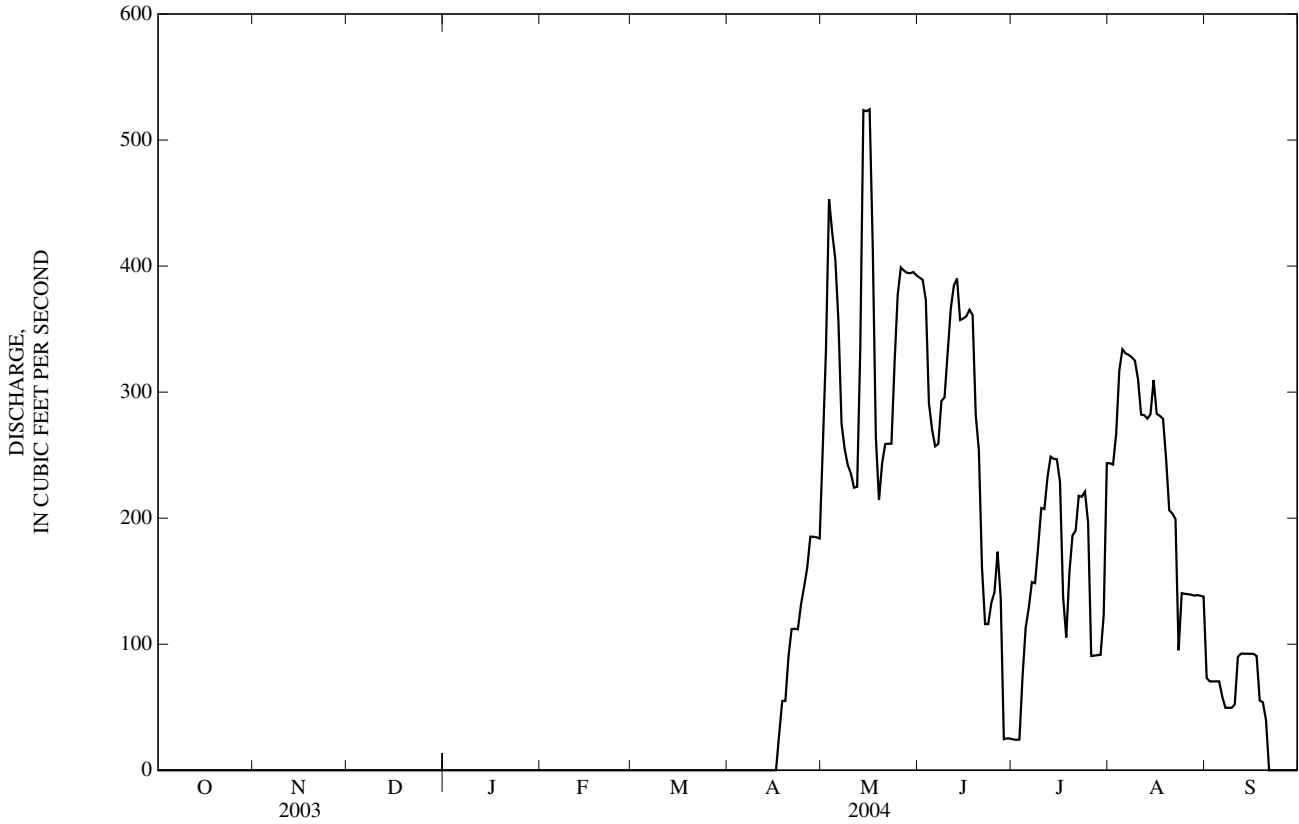
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2004, BY WATER YEAR (WY)

MEAN	47.5	7.10	0.94	1.44	2.23	3.36	46.7	299	368	349	245	135
MAX	202	120	17.3	28.2	44.4	72.3	202	555	920	717	410	326
(WY)	(1983)	(1966)	(1984)	(1984)	(1966)	(1966)	(1943)	(1969)	(1983)	(1995)	(1944)	(1984)
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	130	144	127	35.6	0.00
(WY)	(1991)	(1948)	(1943)	(1943)	(1943)	(1943)	(1944)	(1977)	(1945)	(2002)	(1989)	(1992)

09291000 LAKE FORK RIVER BELOW MOON LAKE, NEAR MOUNTAIN HOME, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1943 - 2004	
ANNUAL TOTAL	33,606.40		33,624.00			
ANNUAL MEAN	92.1		91.9		126	
HIGHEST ANNUAL MEAN					211 1983	
LOWEST ANNUAL MEAN					56.4 2002	
HIGHEST DAILY MEAN	602	Jun 2	524	May 14	2,000	Jun 19, 1949
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 15, 1942
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Oct 15, 1942
ANNUAL RUNOFF (AC-FT)	66,660		66,690		91,400	
10 PERCENT EXCEEDS	346		312		362	
50 PERCENT EXCEEDS	0.00		0.00		12	
90 PERCENT EXCEEDS	0.00		0.00		0.00	

e Estimated



## 09292000 YELLOWSTONE RIVER AT BRIDGE CAMPGROUND NEAR ALTONAH, UT

LOCATION.--Lat 40°32'47", long 110°19'59", in SW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 27, T. 2 N., R. 4 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on right bank 0.5 mi upstream from powerplant of Moon Lake Electric Association, Inc., 1.5 mi downstream from Yellowstone Ranch, and 10.6 mi northwest of Altonah.

DRAINAGE AREA.--114 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,650 ft above NGVD of 1929, from USGS topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversion upstream for power generation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,280 ft<sup>3</sup>/s, May 27, 2003, gage height, 6.34 ft; minimum daily discharge, 7.6 ft<sup>3</sup>/s, Sep 9, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 350 ft<sup>3</sup>/s, Jul 16, gage height, 5.01 ft; minimum daily discharge, 7.6 ft<sup>3</sup>/s, Sep 9.

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	18	33	e27	e22	e14	e14	29	33	126	127	66	11
2	20	33	e28	e22	e15	e14	21	39	161	116	65	11
3	25	35	e28	e22	e16	e14	30	59	177	106	64	11
4	25	30	e28	e24	e16	e14	28	75	190	105	55	16
5	23	29	e28	e24	e16	e14	31	103	195	102	56	20
6	20	36	e26	e28	e14	e13	33	145	219	101	56	14
7	19	34	e26	e28	e14	e14	33	174	227	94	54	11
8	17	34	e26	e26	e13	15	34	195	214	89	58	9.2
9	16	32	e28	e25	e13	16	31	237	195	85	53	7.6
10	16	33	e28	e23	e11	15	26	262	176	80	50	12
11	14	29	e26	e23	e13	15	20	274	145	75	47	20
12	14	30	e26	e20	e13	18	21	209	123	70	43	20
13	13	32	e26	e18	e12	19	22	152	112	67	41	26
14	12	30	e26	e17	e12	20	26	150	113	81	38	22
15	e14	29	e26	e16	e11	20	25	189	111	89	38	20
16	e16	32	e24	e15	e12	20	22	198	101	184	36	19
17	e18	32	e24	e16	e11	22	20	192	112	206	41	18
18	e20	30	e24	e18	e11	22	19	181	146	167	46	17
19	e23	30	e22	e18	e11	29	17	198	123	138	43	31
20	e25	30	e22	e17	e11	37	48	193	107	175	35	41
21	e28	31	e24	e19	e10	35	46	176	111	128	36	33
22	30	30	e24	e19	e11	39	30	173	100	119	39	30
23	31	e30	e24	e19	e11	41	15	157	95	125	32	28
24	31	e28	e26	e19	e12	41	16	141	88	102	27	29
25	30	e28	e26	e16	e12	41	14	139	95	92	25	28
26	30	e30	e24	e15	e14	37	16	119	94	103	18	26
27	31	e28	e24	e15	e15	29	23	130	104	140	17	25
28	30	e28	e22	e15	e13	29	35	148	129	113	16	24
29	30	e26	e22	e14	e13	24	45	141	138	90	12	30
30	30	e26	e24	e14	---	28	33	124	160	80	9.8	38
31	31	---	e24	e13	---	32	---	114	---	72	9.3	---
TOTAL	700	918	783	600	370	741	809	4,820	4,187	3,421	1,226.1	647.8
MEAN	22.6	30.6	25.3	19.4	12.8	23.9	27.0	155	140	110	39.6	21.6
MAX	31	36	28	28	16	41	48	274	227	206	66	41
MIN	12	26	22	13	10	13	14	33	88	67	9.3	7.6
AC-FT	1,390	1,820	1,550	1,190	734	1,470	1,600	9,560	8,300	6,790	2,430	1,280

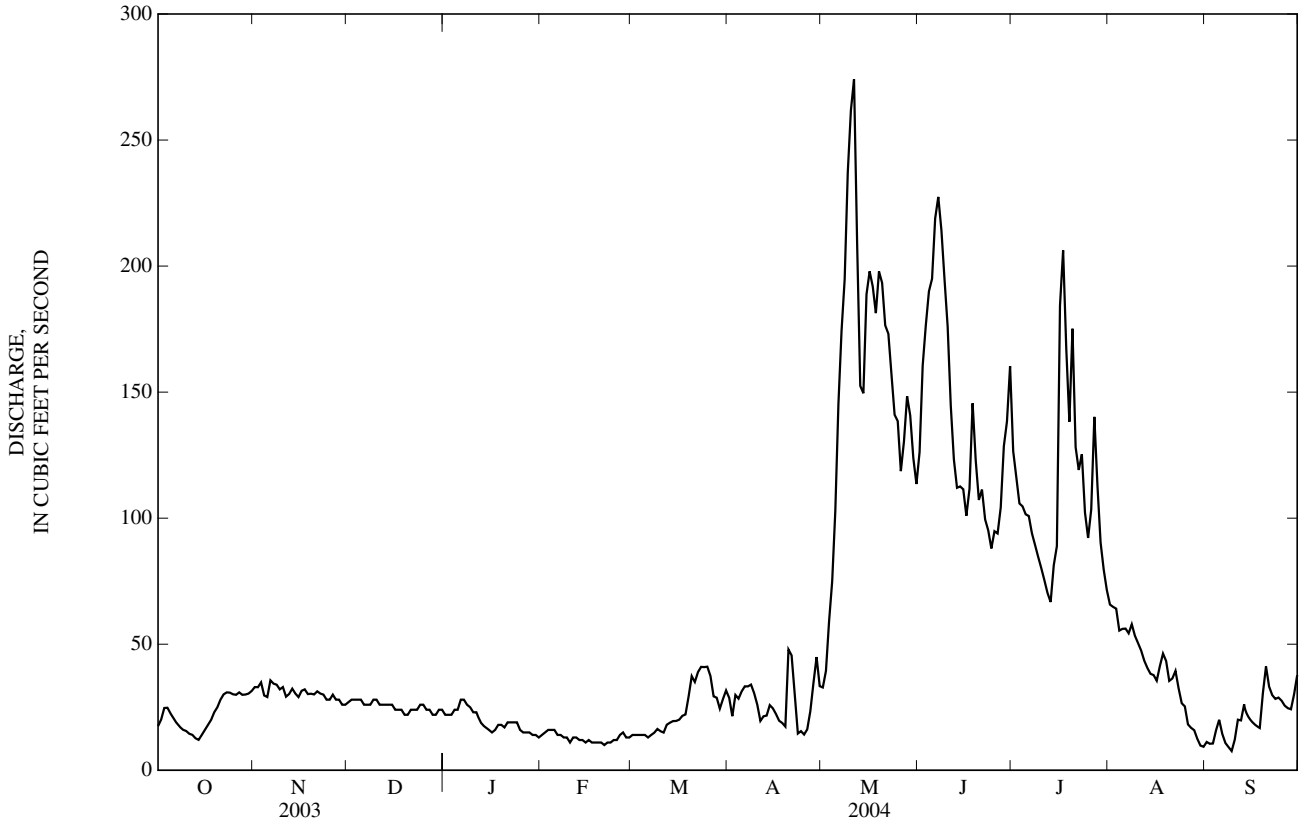
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2004, BY WATER YEAR (WY)

MEAN	56.5	38.7	34.9	31.5	26.0	27.3	38.0	221	320	141	79.9	90.5
MAX	112	61.1	54.4	50.0	32.7	32.4	56.4	414	635	388	150	182
(WY)	(1998)	(1998)	(1998)	(1998)	(2000)	(1997)	(2000)	(2001)	(1999)	(1998)	(1999)	(1997)
MIN	22.6	20.6	21.7	19.4	12.8	17.1	24.8	76.3	66.2	26.7	24.3	21.6
(WY)	(2004)	(2002)	(1999)	(2004)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2004)

09292000 YELLOWSTONE RIVER AT BRIDGE CAMPGROUND NEAR ALTONAH, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1996 - 2004	
ANNUAL TOTAL	26,778		19,222.9			
ANNUAL MEAN	73.4		52.5		92.4	
HIGHEST ANNUAL MEAN					141	1998
LOWEST ANNUAL MEAN					38.5	2002
HIGHEST DAILY MEAN	980	May 28	274	May 11	1,200	Jun 20, 1999
LOWEST DAILY MEAN	12	Oct 14	7.6	Sep 9	7.6	Sep 9, 2004
ANNUAL SEVEN-DAY MINIMUM	14	Oct 9	11	Feb 17	11	Feb 17, 2004
ANNUAL RUNOFF (AC-FT)	53,110		38,130		66,950	
10 PERCENT EXCEEDS	151		141		192	
50 PERCENT EXCEEDS	28		28		41	
90 PERCENT EXCEEDS	17		14		21	

e Estimated





## 09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT

LOCATION.--Lat 40°30'43", long 110°20'27", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 4, T. 1 N., R. 4 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 1.5 mi downstream from powerplant of Moon Lake Electric Association, Inc., 2 mi downstream from Hell Canyon, 8.2 mi northwest of Altonah.

DRAINAGE AREA.--132 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1944 to current year. Prior to October 1965, published as Yellowstone Creek near Altonah.

REVISED RECORDS.--WDR UT-77-1: Drainage area, WDR UT-95-1: 1994.

GAGE.--Water-stage recorder. Elevation of gage is 7,430 ft above NGVD of 1929, from river-profile map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,670 ft<sup>3</sup>/s, Jun 20, 1999, gage height, 4.50 ft; maximum gage height, 4.93 ft, Jun 11, 1990; minimum daily, 25 ft<sup>3</sup>/s, Nov 28, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 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)
May11	0030	*371	*2.31				

Minimum daily discharge, 27 ft<sup>3</sup>/s, Feb 11.

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	66	53	e48	e52	e42	e42	64	84	201	180	120	82
2	68	53	e50	e53	e40	e42	65	89	225	170	120	79
3	73	54	e48	e55	e40	e38	71	109	238	162	119	80
4	72	49	e47	e56	e38	e39	72	140	252	159	116	84
5	70	52	e46	e58	e38	e41	73	174	264	154	117	88
6	68	57	e45	e59	e37	e43	74	209	288	152	119	83
7	67	56	e44	e62	e35	45	74	224	297	148	117	80
8	65	53	e44	e62	e32	45	76	237	284	143	118	77
9	63	52	e47	e59	e29	46	73	267	261	139	115	76
10	62	52	e47	e58	e30	47	68	292	243	133	113	72
11	60	48	e46	e56	e27	45	63	318	223	129	111	73
12	60	49	e46	e56	e30	46	65	259	206	124	109	72
13	60	52	e47	e55	e31	47	65	223	193	122	107	77
14	58	50	e47	e53	e33	47	68	212	192	137	105	73
15	58	49	e43	e54	e37	46	68	204	189	144	105	71
16	55	51	e46	e52	e44	47	67	210	183	212	104	69
17	56	50	e47	e50	46	48	64	226	191	225	107	68
18	55	51	e47	e49	44	50	63	239	217	187	110	67
19	55	51	e47	e50	45	51	62	250	198	171	109	79
20	55	50	e48	e52	44	57	66	247	185	189	103	88
21	54	50	e47	e52	44	58	56	237	187	158	103	81
22	54	47	e48	e51	43	62	59	233	176	153	104	78
23	54	e47	e48	e49	43	64	58	222	168	157	100	74
24	53	e47	e48	e50	43	65	60	212	163	145	97	75
25	52	e46	e48	e48	44	65	59	212	168	137	97	74
26	52	e47	e45	e50	44	62	64	196	167	143	90	73
27	53	e47	e47	e52	44	55	72	205	168	166	87	72
28	51	e46	e47	e50	42	54	81	217	189	150	87	71
29	51	e46	e48	e48	e42	50	89	214	192	136	86	78
30	51	e47	e50	e46	---	54	85	202	207	127	83	82
31	53	---	e51	e44	---	56	---	194	---	123	82	---
TOTAL	1,824	1,502	1,457	1,641	1,131	1,557	2,044	6,557	6,315	4,775	3,260	2,296
MEAN	58.8	50.1	47.0	52.9	39.0	50.2	68.1	212	210	154	105	76.5
MAX	73	57	51	62	46	65	89	318	297	225	120	88
MIN	51	46	43	44	27	38	56	84	163	122	82	67
AC-FT	3,620	2,980	2,890	3,250	2,240	3,090	4,050	13,010	12,530	9,470	6,470	4,550

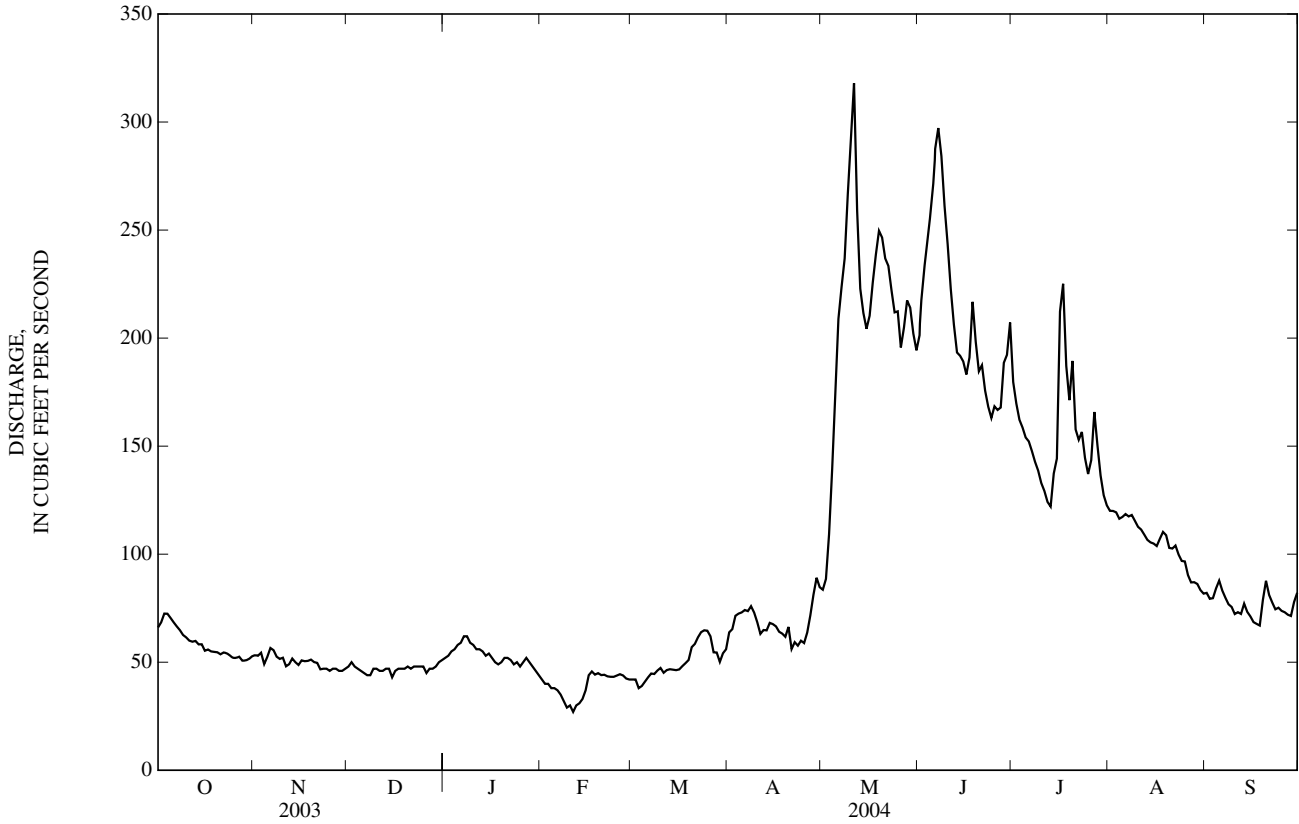
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2004, BY WATER YEAR (WY)

MEAN	89.6	69.8	58.2	50.5	47.7	48.1	62.9	246	476	232	146	117
MAX	213	122	95.6	72.0	62.5	78.8	128	599	1,011	744	366	236
(WY)	(1983)	(1983)	(1983)	(1984)	(1983)	(1986)	(1969)	(1969)	(1983)	(1965)	(1965)	(1997)
MIN	53.0	43.8	36.0	26.5	29.9	31.0	41.1	72.0	120	66.5	47.3	60.5
(WY)	(1993)	(1990)	(1993)	(1979)	(1977)	(1977)	(1970)	(1977)	(2002)	(2002)	(2002)	(1992)

09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1945 - 2004	
ANNUAL TOTAL	37,594		34,359		137	
ANNUAL MEAN	103		93.9		65.3	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					65.3	2002
HIGHEST DAILY MEAN	1,010	May 28	318	May 11	1,810	Jun 20, 1999
LOWEST DAILY MEAN	35	Mar 28	27	Feb 11	22	Jan 1, 1979
ANNUAL SEVEN-DAY MINIMUM	37	Mar 24	30	Feb 8	26	Dec 31, 1978
ANNUAL RUNOFF (AC-FT)	74,570		68,150		99,320	
10 PERCENT EXCEEDS	203		205		299	
50 PERCENT EXCEEDS	54		64		74	
90 PERCENT EXCEEDS	40		44		44	

e Estimated



## 09295000 DUCHESNE RIVER AT MYTON, UT

LOCATION.--Lat 40°12'01", long 110°03'47", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ NW $\frac{1}{4}$  sec. 25, T. 3 S., R. 2 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank at Myton, 3 mi downstream from Lake Fork.

DRAINAGE AREA.--2,643 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1899 to December 1902, April to December 1903, March to December 1904, March to July and September to November 1905, April to July 1906, April to December 1907, March to December 1908, April to December 1909, March to November 1910, July 1911 to current year. Published as "at Price road bridge" 1899-1902.

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

GAGE.--Water-stage recorder. Datum of gage is 5,061.40 ft above NGVD of 1929. Prior to October 14, 1933, nonrecording gages at several sites within 0.5 mi of present site at various datums.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transmountain diversions to the Great Basin through Duchesne and Strawberry Tunnels, Hobble Creek Ditch, Strawberry River and Willow Creek Ditch.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 12,800 ft<sup>3</sup>/s, Jun 10, 1922, gage height, 7.94 ft, site and datum then in use, from rating curve extended above 8,000 ft<sup>3</sup>/s; minimum discharge, less than 1 ft<sup>3</sup>/s, Jul 16, 1931, and for several days in Aug and Sep 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 265 ft<sup>3</sup>/s, Jul 2, gage height, 3.16 ft; minimum daily discharge, 8.1 ft<sup>3</sup>/s, Oct 4.

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	18	51	74	e26	e33	83	21	48	24	147	55	64
2	18	52	68	e28	e31	87	19	36	25	171	66	52
3	9.9	57	70	e31	e28	91	19	27	25	134	59	49
4	8.1	62	72	e34	e26	92	18	22	29	122	63	73
5	8.6	62	72	e36	e25	83	18	24	44	138	70	92
6	14	66	70	e35	e25	89	21	31	41	46	67	57
7	17	70	70	e33	e24	96	22	29	35	21	83	37
8	15	69	74	e32	e25	100	19	22	35	26	63	35
9	10	69	64	e30	e26	85	17	25	26	19	50	37
10	10	72	36	e29	e28	76	15	29	22	21	67	29
11	15	51	29	e28	e30	71	14	21	32	26	56	31
12	15	34	28	e28	e32	66	14	29	26	29	60	28
13	16	20	24	e27	e34	65	15	39	26	30	68	30
14	14	23	e31	e27	e37	63	13	36	21	34	72	45
15	12	21	e40	e29	e39	60	19	40	21	33	64	41
16	e13	20	e31	e31	e42	57	24	41	20	29	58	30
17	e15	19	e19	e33	e44	53	18	35	29	31	61	33
18	e19	21	e21	e35	e47	65	52	30	41	30	82	26
19	e21	22	e22	e37	e50	63	58	24	47	30	94	20
20	e19	24	e23	e40	e54	49	52	28	40	25	83	20
21	e18	24	e25	e38	e59	48	52	24	38	23	77	16
22	e17	31	e26	e36	e62	47	50	24	110	25	79	13
23	17	26	e28	e33	e66	50	32	23	127	31	72	13
24	21	23	e29	e32	e70	44	24	29	133	41	57	10
25	20	31	e31	e28	e75	33	28	35	133	31	53	12
26	21	44	e30	e30	e80	28	27	24	144	24	49	13
27	19	62	e29	e31	e86	26	20	18	143	32	41	12
28	25	58	e28	e33	90	25	24	16	146	46	50	15
29	27	66	e27	e35	93	24	28	13	161	58	53	20
30	39	81	e25	e37	---	e23	49	15	154	69	58	17
31	46	---	e24	e35	---	e22	---	22	---	59	54	---
TOTAL	557.6	1,331	1,240	997	1,361	1,864	802	859	1,898	1,581	1,984	970
MEAN	18.0	44.4	40.0	32.2	46.9	60.1	26.7	27.7	63.3	51.0	64.0	32.3
MAX	46	81	74	40	93	100	58	48	161	171	94	92
MIN	8.1	19	19	26	24	22	13	13	20	19	41	10
AC-FT	1,110	2,640	2,460	1,980	2,700	3,700	1,590	1,700	3,760	3,140	3,940	1,920

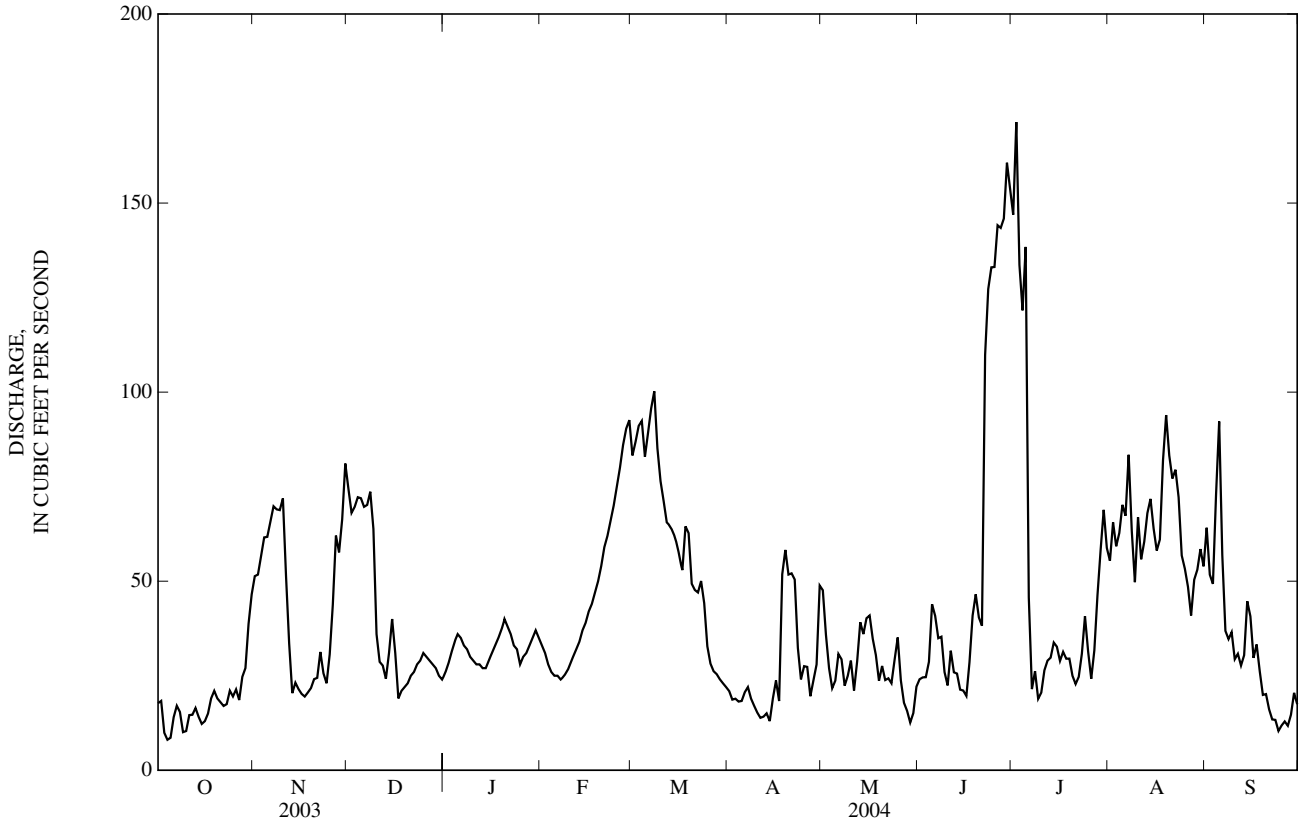
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2004, BY WATER YEAR (WY)

MEAN	231	280	299	287	308	351	360	1,020	1,597	410	166	184
MAX	1,031	1,055	1,037	982	715	880	1,293	4,185	6,356	2,372	695	1,597
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1916)	(1952)	(1952)	(1922)	(1917)	(1921)	(1927)
MIN	4.81	32.6	34.3	32.2	46.9	48.2	9.43	25.6	17.8	5.01	5.13	1.37
(WY)	(1935)	(1991)	(1971)	(2004)	(2004)	(2003)	(1961)	(2002)	(1934)	(1961)	(1940)	(1934)

09295000 DUCHESNE RIVER AT MYTON, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1912 - 2004	
ANNUAL TOTAL	14,533.6		15,444.6		457	
ANNUAL MEAN	39.8		42.2		1,318	
HIGHEST ANNUAL MEAN					1922	
LOWEST ANNUAL MEAN					2004	
HIGHEST DAILY MEAN	242	May 29	171	Jul 2	9,690	Jun 20, 1917
LOWEST DAILY MEAN	8.1	Oct 4	8.1	Oct 4	1.0	Jul 11, 1931
ANNUAL SEVEN-DAY MINIMUM	12	Oct 3	12	Oct 3	1.0	Jul 11, 1931
ANNUAL RUNOFF (AC-FT)	28,830		30,630		331,300	
10 PERCENT EXCEEDS	69		75		959	
50 PERCENT EXCEEDS	34		31		279	
90 PERCENT EXCEEDS	18		18		30	

e Estimated



## 09295100 DUCHESNE RIVER ABOVE UINTA RIVER, NEAR RANDLETT, UT

LOCATION.--Lat 40°12'24", long 109°51'33", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec. 23, T. 3 S., R. 1 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank beside county road bridge.

DRAINAGE AREA.--4,235 mi<sup>2</sup>.

PERIOD OF RECORD.--April 1997 to February 1998 miscellaneous measurements, March 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,830 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Natural flow affected by upstream diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,600 ft<sup>3</sup>/s, Jun 21, 1999, gage height 8.64 ft; minimum daily discharge, 2.3 ft<sup>3</sup>/s, Apr 14, 15, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 211 ft<sup>3</sup>/s, Jul 3, gage height, 3.73; minimum daily discharge, 2.3 ft<sup>3</sup>/s, Apr 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	5.4	54	65	e28	e37	e94	11	30	12	144	35	42
2	13	58	60	e30	e35	e93	13	28	16	141	41	56
3	13	65	50	e33	e32	e96	8.4	17	15	150	47	36
4	5.9	72	58	e36	e27	e98	9.0	11	13	119	40	51
5	5.1	66	49	e37	e26	e98	8.1	8.4	6.3	125	54	82
6	5.2	69	42	e37	e26	e100	8.7	8.3	22	90	50	74
7	4.3	72	40	e36	e27	e103	10	11	11	23	57	42
8	7.3	72	45	e34	e28	e108	12	11	11	11	53	34
9	7.4	72	39	e33	e29	e101	8.6	11	e11	5.1	34	39
10	4.9	72	31	e32	e30	e90	6.8	9.9	e14	5.4	35	39
11	4.8	66	24	e31	e31	e82	5.0	11	e18	4.1	36	36
12	6.4	46	18	e30	e33	e75	4.5	9.5	e18	7.0	32	32
13	6.4	34	22	e31	e36	e70	2.5	13	e20	8.5	38	31
14	8.8	31	15	e31	e39	e69	2.3	18	e18	15	47	33
15	11	32	e22	e31	e41	e64	2.3	22	e10	26	46	39
16	10	29	e26	e33	e44	e62	2.4	26	e6.0	17	41	39
17	14	28	e24	e35	e47	e60	4.5	23	e13	17	38	34
18	21	27	e16	e38	e49	e69	4.6	22	e20	19	51	34
19	21	28	e20	e40	e53	e67	22	24	e31	14	65	33
20	20	30	e22	e42	e57	e62	14	16	e34	16	62	33
21	19	33	e25	e40	e62	e53	12	18	e36	10	61	30
22	19	36	e27	e38	e67	e50	10	12	56	22	55	28
23	18	35	e29	e36	e72	e51	18	11	102	13	59	23
24	21	31	e31	e35	e75	52	4.6	13	111	15	49	12
25	26	32	e33	e34	e81	30	3.7	26	120	19	37	14
26	25	35	e31	e32	e85	21	6.6	35	122	17	35	13
27	27	53	e30	e34	e90	17	5.4	20	132	13	30	12
28	28	55	e30	e36	e94	15	4.9	9.8	140	19	27	10
29	34	57	e29	e37	e98	14	7.5	7.0	149	34	35	17
30	35	67	e28	e39	---	13	16	4.0	152	40	40	28
31	41	---	e27	e38	---	12	---	5.3	---	44	45	---
TOTAL	487.9	1,457	1,008	1,077	1,451	1,989	248.4	491.2	1,439.3	1,203.1	1,375	1,026
MEAN	15.7	48.6	32.5	34.7	50.0	64.2	8.28	15.8	48.0	38.8	44.4	34.2
MAX	41	72	65	42	98	108	22	35	152	150	65	82
MIN	4.3	27	15	28	26	12	2.3	4.0	6.0	4.1	27	10
AC-FT	968	2,890	2,000	2,140	2,880	3,950	493	974	2,850	2,390	2,730	2,040

## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2004, BY WATER YEAR (WY)

MEAN	166	205	208	178	194	197	122	195	667	211	120	174
MAX	575	711	587	484	623	567	326	562	2,444	1,033	476	600
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1998)	(1998)	(1999)	(1998)	(1998)	(1998)
MIN	15.7	48.6	32.5	34.7	50.0	57.9	8.28	12.8	14.1	9.30	6.76	7.64
(WY)	(2004)	(2004)	(2004)	(2004)	(2004)	(2003)	(2004)	(2002)	(2002)	(2002)	(2002)	(2003)

## SUMMARY STATISTICS

## FOR 2003 CALENDAR YEAR

## FOR 2004 WATER YEAR

## WATER YEARS 1998 - 2004

ANNUAL TOTAL	12,467.8	13,252.9	
ANNUAL MEAN	34.2	36.2	
HIGHEST ANNUAL MEAN			171
LOWEST ANNUAL MEAN			632
HIGHEST DAILY MEAN	149	May 29	4,410
LOWEST DAILY MEAN	2.5	Jul 10	2.3
ANNUAL SEVEN-DAY MINIMUM	5.1	Sep 18	3.3
ANNUAL RUNOFF (AC-FT)	24,730		123,600
10 PERCENT EXCEEDS	72		472
50 PERCENT EXCEEDS	28		57
90 PERCENT EXCEEDS	6.3		9.0

e Estimated

## 09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

LOCATION.--Lat 40°35'29", long 110°06'49", in NW $\frac{1}{4}$ NW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 9, T. 2 N., R. 2 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 100 ft downstream from National Forest boundary, 4.7 mi upstream of Moon Lake Electric Association Inc. hydroelectric powerplant, and 11.5 mi northwest of Neola, Ut.

DRAINAGE AREA.--157 mi<sup>2</sup>.

PERIOD OF RECORD.--October 1990 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,330 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by Moon Lake Electric powerplant canal diversion about 0.75 mi upstream.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,610 ft<sup>3</sup>/s, Jun 21, 1999, gage height, 7.07; minimum daily discharge, 9.2 ft<sup>3</sup>/s, Feb 12, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 703 ft<sup>3</sup>/s, May 9, gage height 6.56 ft; minimum daily discharge, 9.2 ft<sup>3</sup>/s, Feb 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	38	25	e14	e16	e10	e13	27	44	160	197	143	62
2	49	25	e14	e16	e9.8	e13	31	47	194	182	139	60
3	57	26	e14	e16	e9.8	e14	35	70	215	172	135	59
4	51	21	e13	e17	e9.8	e14	32	122	244	169	128	67
5	47	23	e14	e17	e9.8	e15	32	198	264	163	132	71
6	43	42	e14	e17	e9.8	e15	38	282	315	162	151	64
7	41	23	e15	e18	e9.8	e15	47	325	334	155	145	59
8	40	21	e15	e19	e9.9	15	48	360	307	152	125	57
9	38	20	e15	e19	e10	16	44	428	271	149	112	55
10	37	20	e15	e18	e9.9	17	39	467	236	145	101	53
11	34	18	e14	e18	e9.6	16	34	426	194	137	93	51
12	34	18	e14	e17	e9.2	17	36	313	171	133	87	51
13	33	20	e13	e16	e9.4	17	36	242	156	131	84	58
14	31	19	e13	e16	e9.6	17	35	211	172	138	81	51
15	32	18	e13	e16	e9.8	17	29	199	180	154	79	48
16	31	18	e14	e15	e10	17	28	202	170	264	78	47
17	31	18	e14	e15	e10	17	26	230	182	266	79	45
18	29	20	e14	e14	e10	18	27	257	214	260	88	44
19	27	21	e14	e14	e10	20	26	296	183	244	86	71
20	26	19	e14	e13	e10	24	24	278	165	243	80	137
21	26	17	e14	e12	e11	27	25	246	206	224	97	124
22	25	e17	e14	e12	e11	30	24	236	193	261	107	113
23	25	e17	e15	e12	e11	32	21	219	187	230	95	109
24	24	e16	e14	e12	e11	33	22	197	175	200	96	83
25	22	e15	e13	e11	e11	32	23	192	173	180	93	57
26	23	e15	e12	e11	e12	28	26	170	179	183	85	53
27	24	e15	e13	e11	e12	22	35	184	196	221	81	50
28	22	e15	e14	e11	e12	20	49	213	232	192	75	49
29	23	e15	e14	e10	e12	19	57	222	227	170	71	63
30	23	e14	e14	e10	---	21	48	182	221	160	67	72
31	21	---	e15	e10	---	22	---	159	---	149	64	---
TOTAL	1,007	591	432	449	299.2	613	1,004	7,217	6,316	5,786	3,077	1,983
MEAN	32.5	19.7	13.9	14.5	10.3	19.8	33.5	233	211	187	99.3	66.1
MAX	57	42	15	19	12	33	57	467	334	266	151	137
MIN	21	14	12	10	9.2	13	21	44	156	131	64	44
AC-FT	2,000	1,170	857	891	593	1,220	1,990	14,310	12,530	11,480	6,100	3,930

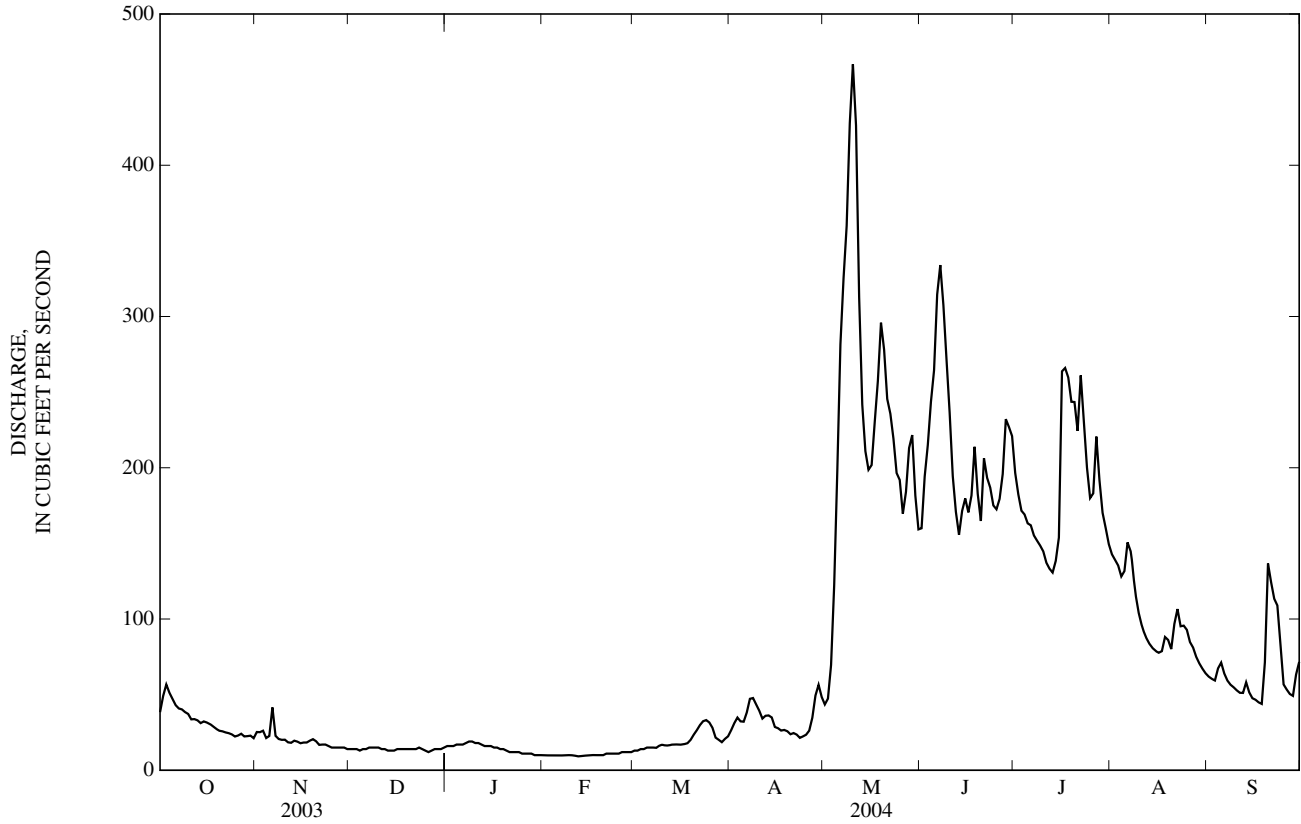
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2004, BY WATER YEAR (WY)

MEAN	77.6	48.7	34.8	32.4	29.4	31.1	43.1	316	535	286	159	140
MAX	179	109	86.2	62.1	55.0	50.1	70.0	758	1,484	852	355	305
(WY)	(1998)	(1999)	(1999)	(1999)	(1998)	(2001)	(2001)	(2001)	(1995)	(1995)	(1998)	(1997)
MIN	28.2	17.8	13.9	12.4	10.3	13.6	20.1	104	113	53.8	27.9	61.4
(WY)	(1991)	(1991)	(1992)	(1992)	(2004)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(1992)

09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1991 - 2004	
ANNUAL TOTAL	32,635		28,774.2		145	
ANNUAL MEAN	89.4		78.6		268	
HIGHEST ANNUAL MEAN					51.4	1995
LOWEST ANNUAL MEAN					3,000	2002
HIGHEST DAILY MEAN	1,400	May 28	467	May 10		Jun 15, 1995
LOWEST DAILY MEAN	11	Jan 19	9.2	Feb 12	9.2	Feb 12, 2004
ANNUAL SEVEN-DAY MINIMUM	12	Jan 18	9.6	Feb 9	9.6	Feb 9, 2004
ANNUAL RUNOFF (AC-FT)	64,730		57,070		104,900	
10 PERCENT EXCEEDS	201		214		316	
50 PERCENT EXCEEDS	23		32		56	
90 PERCENT EXCEEDS	13		12		20	

e Estimated



09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT

LOCATION.--Lat 40°35'37", long 109°55'54", in SE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec. 6, T. 2 N., R. 1 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, on right bank, 3.2 mi upstream from U.S. Forest Boundary, and 9.6 mi northeast of Whiterocks.

DRAINAGE AREA.--109 mi<sup>2</sup>.

PERIOD OF RECORD.--September 1899 to December 1903, April to December 1907, March 1908 to November 1910, October 1913 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as Whiterocks River in Canyon, 1899, and as Whiterocks Creek near Whiterocks, 1918-25. November 1917 to June 1921 United States Whiterocks Canal diverted above station (records equivalent if flow of Whiterocks Canal is included).

GAGE.--Water-stage recorder. Elevation of gage is 7,200 ft above NGVD of 1929, from topographic map. Prior to October 16, 1930, nonrecording gages at several sites within 2 mi of present site at various datums. October 16, 1930 to November 26, 1984, water-stage recorder at various sites and datums about 3 mi downstream.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow slightly regulated by dams and gates on small headwater lakes.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,640 ft<sup>3</sup>/s, Jun 22, 1983, gage height, 5.28 ft, from rating curve extended above 2,000 ft<sup>3</sup>/s, site and datum then in use; minimum recorded, 9.2 ft<sup>3</sup>/s, Apr 3, 1977, site and datum then in use. Minimum discharge at present site and datum, 4.9 ft<sup>3</sup>/s, Mar 30, 1991.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 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 10	2100	*553	*4.84				

Minimum discharge, 21 ft<sup>3</sup>/s, Feb 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	46	37	e27	e29	e24	e26	41	59	122	167	117	74
2	49	37	e27	e29	e23	e26	43	65	124	153	116	74
3	52	38	e27	e30	e23	e27	44	100	131	154	113	71
4	48	34	e28	e29	e22	e28	44	140	138	148	109	81
5	47	33	e28	e28	e22	e28	44	211	139	170	107	80
6	44	37	e28	e27	e22	e28	45	281	173	155	117	71
7	48	38	e28	e27	e22	29	49	323	184	148	109	69
8	45	38	e29	e26	e22	30	50	346	182	138	99	65
9	45	37	e29	e26	e22	31	49	360	177	138	92	63
10	45	38	e29	e25	e22	31	43	388	175	139	87	65
11	44	36	e29	e26	e22	30	42	369	165	136	86	63
12	45	36	e30	e26	e21	31	42	258	153	128	82	62
13	45	37	e30	e26	e22	31	42	207	142	119	76	66
14	43	38	e30	e26	e22	31	45	194	136	119	75	62
15	46	36	e29	e27	e22	31	46	185	136	144	74	59
16	46	36	e28	e27	e23	29	45	203	135	168	74	60
17	44	37	e27	e27	e23	32	46	234	148	163	72	62
18	48	35	e27	e27	e23	32	50	266	171	188	82	58
19	49	37	e27	e27	e24	35	44	277	153	186	77	88
20	44	36	e28	e27	e24	38	42	248	144	171	81	159
21	41	34	e29	e26	e24	37	44	208	207	166	96	106
22	41	32	e30	e26	e24	42	42	212	200	183	114	88
23	40	28	e31	e26	e25	42	40	189	199	177	93	83
24	38	e28	e30	e25	e25	40	39	175	183	176	99	81
25	34	e28	e30	e25	e25	40	40	152	184	146	91	77
26	34	e28	e31	e26	e25	38	44	145	193	147	84	83
27	36	e27	e30	e26	e25	33	49	161	198	173	84	84
28	36	e27	e29	e27	e25	33	64	175	196	156	80	87
29	34	e27	e28	e27	e26	32	69	155	189	134	79	79
30	33	e26	e28	e26	---	32	60	145	178	130	78	86
31	33	---	e28	e25	---	37	---	128	---	126	78	---
TOTAL	1,323	1,016	889	827	674	1,010	1,387	6,559	4,955	4,746	2,821	2,306
MEAN	42.7	33.9	28.7	26.7	23.2	32.6	46.2	212	165	153	91.0	76.9
MAX	52	38	31	30	26	42	69	388	207	188	117	159
MIN	33	26	27	25	21	26	39	59	122	119	72	58
AC-FT	2,620	2,020	1,760	1,640	1,340	2,000	2,750	13,010	9,830	9,410	5,600	4,570

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2004, BY WATER YEAR (WY)

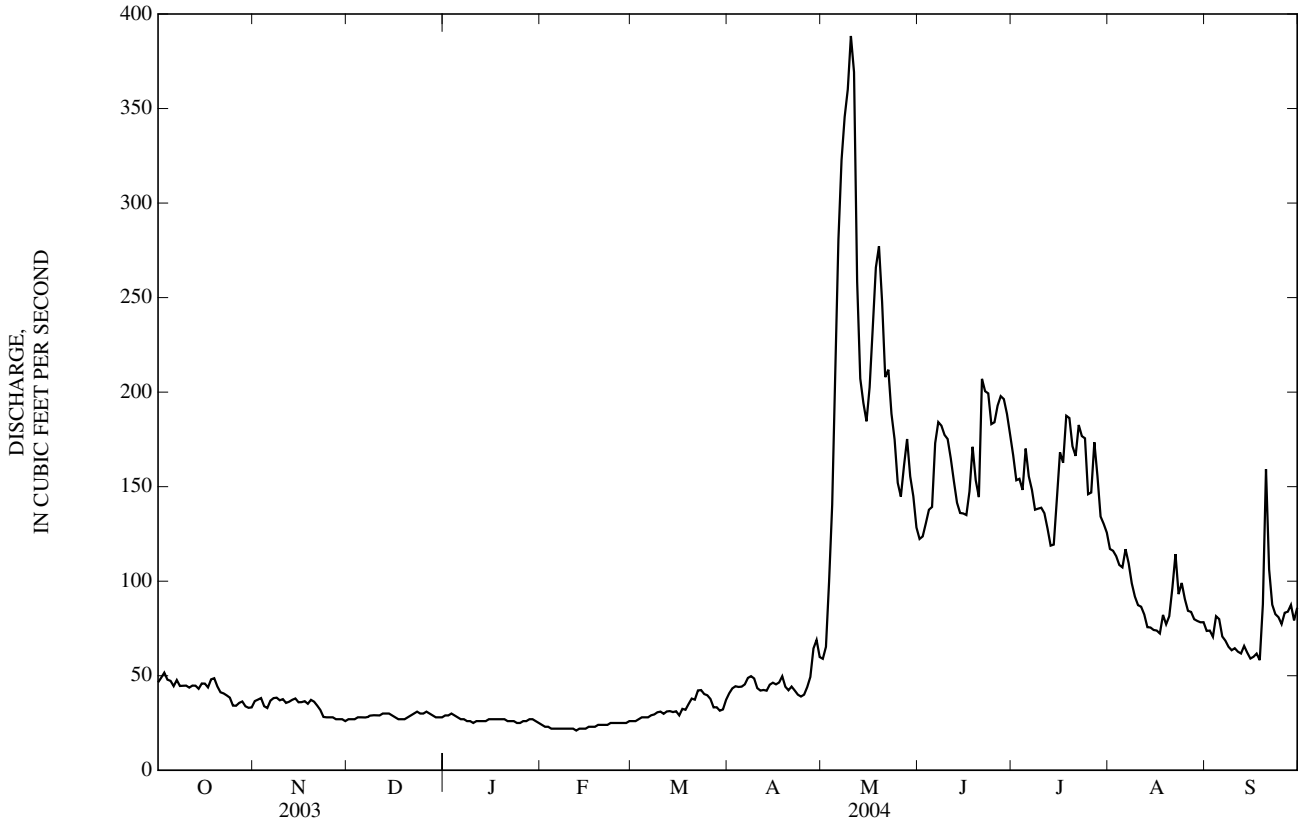
	67.4	45.0	34.5	29.5	26.9	27.9	48.0	278	390	180	123	93.6
MEAN	67.4	45.0	34.5	29.5	26.9	27.9	48.0	278	390	180	123	93.6
MAX	155	93.0	58.7	47.2	37.8	41.0	118	584	1,178	573	238	217
(WY)	(1939)	(1939)	(1942)	(1930)	(1930)	(1986)	(1962)	(1937)	(1983)	(1995)	(1984)	(1997)
MIN	34.8	28.6	19.3	17.7	17.0	17.8	22.9	74.8	50.1	22.4	41.7	42.8
(WY)	(1989)	(1978)	(1991)	(1991)	(1977)	(1961)	(1975)	(1957)	(1934)	(1934)	(1940)	(1933)



09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1930 - 2004	
ANNUAL TOTAL	31,253		28,513		112	
ANNUAL MEAN	85.6		77.9		209	
HIGHEST ANNUAL MEAN					42.0	1983
LOWEST ANNUAL MEAN					2,300	1934
HIGHEST DAILY MEAN	723	May 30	388	May 10	14	Jun 22, 1983
LOWEST DAILY MEAN	18	Mar 29	21	Feb 12	15	Feb 24, 1977
ANNUAL SEVEN-DAY MINIMUM	21	Feb 22	22	Feb 6	81,300	Jan 20, 1991
ANNUAL RUNOFF (AC-FT)	61,990		56,560			
10 PERCENT EXCEEDS	198		176		243	
50 PERCENT EXCEEDS	41		44		50	
90 PERCENT EXCEEDS	22		26		25	

e Estimated



## 09301500 UINTA RIVER AT RANDLETT, UT

LOCATION.--Lat 40°14'01", long 109°48'11", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 07, T. 3 S., R. 2 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on right bank at Randlett, 0.1 mi upstream from county road bridge on State Highway 88, and 2.8 mi from mouth.

DRAINAGE AREA.--1,064 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1899 to November 1904, October 1976 to September 1981, November 1899 to November 1904, published as "at Ouray School", April 1997 to February 1998 miscellaneous measurements, March 1998 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,790 ft above NGVD of 1929, from topographic map. November 1899 to November 1904, staff gage at different datum; October 1976 to September 1981 also at different datum.

REMARKS.--Records good, except for estimated daily discharges, which are fair. Natural flow affected by upstream diversions for irrigation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,310 ft<sup>3</sup>/s, Jun 17, 1998, gage height 9.24 ft; minimum daily discharge, 0.42 ft<sup>3</sup>/s, Aug 29, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40 ft<sup>3</sup>/s, Jun 22, gage height, 4.76 ft; minimum daily discharge, 3.6 ft<sup>3</sup>/s, Oct 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.4	13	e8.0	e7.8	e8.1	e6.8	e8.0	15	17	23	14	11
2	9.0	15	e9.3	e8.0	e7.6	e6.7	e8.5	15	e17	21	9.7	13
3	6.0	19	e9.3	e9.0	e7.2	e6.6	e9.0	12	e16	20	10	17
4	6.1	18	e9.0	e8.0	e7.5	e6.8	e9.5	12	e16	16	10	19
5	6.0	17	e8.5	e7.0	e8.0	e7.0	e10	15	e15	11	7.1	19
6	5.3	17	e7.9	e6.0	e9.0	7.6	e10	18	e15	7.3	7.2	18
7	6.5	16	e8.5	e6.0	e8.0	7.8	e10	22	e14	9.6	9.5	21
8	7.2	15	e9.0	e6.3	e7.0	7.1	e11	19	e14	8.6	8.4	24
9	5.1	15	e9.7	e6.6	e7.0	6.6	e11	14	e14	6.1	7.4	21
10	4.8	16	e9.2	e7.0	e7.5	6.1	e12	13	e13	5.9	5.1	16
11	6.2	17	e8.5	e6.5	e6.5	5.7	e12	14	e13	6.8	9.9	17
12	4.4	17	e7.8	e6.0	e5.6	5.5	e12	17	e13	9.2	7.7	10
13	3.6	18	e7.8	e6.0	e5.2	5.4	e13	17	e12	9.3	8.0	11
14	4.1	18	e8.6	e5.8	e5.0	5.3	e13	14	e12	9.0	8.3	11
15	6.1	18	e10	e6.0	e5.3	5.1	e14	15	e11	12	7.3	14
16	6.0	18	e8.4	e6.0	e5.4	5.2	e14	12	e11	9.4	6.5	15
17	6.4	18	e7.3	e6.2	e5.6	5.4	e14	14	e19	9.8	6.5	12
18	10	18	e7.0	e7.0	e5.8	5.6	e15	12	23	15	7.2	13
19	8.6	18	e6.8	e6.7	e6.4	5.5	e15	13	28	16	9.3	12
20	6.5	17	e7.0	e7.0	e6.4	6.6	15	18	25	15	15	7.7
21	8.7	17	e7.0	e7.4	e6.1	6.7	14	19	30	18	11	12
22	11	e14	e8.0	e8.0	e6.8	7.1	16	18	32	17	6.4	14
23	11	e6.7	e9.5	e7.5	e7.3	7.2	18	17	25	17	8.7	12
24	9.9	e5.9	e9.0	e7.7	e8.0	7.0	19	13	20	17	8.3	13
25	10	e6.2	e7.8	e7.9	e7.5	7.2	17	12	13	14	7.4	16
26	12	e6.3	e8.4	e8.3	e7.4	7.9	14	15	19	14	9.0	13
27	12	e6.5	e9.6	e8.0	e7.3	8.2	14	11	20	10	8.0	10
28	14	e6.8	e8.0	e8.5	e7.1	7.6	15	8.9	21	16	5.4	11
29	13	e7.0	e6.0	e9.0	e7.0	e7.5	e16	12	25	19	5.9	11
30	11	e7.0	e7.0	e9.0	---	e7.9	16	12	30	18	4.0	12
31	11	---	e7.5	e9.0	---	e8.0	---	16	---	16	4.1	---
TOTAL	249.9	421.4	255.4	225.2	198.6	206.7	395.0	454.9	553	416.0	252.3	425.7
MEAN	8.06	14.0	8.24	7.26	6.85	6.67	13.2	14.7	18.4	13.4	8.14	14.2
MAX	14	19	10	9.0	9.0	8.2	19	22	32	23	15	24
MIN	3.6	5.9	6.0	5.8	5.0	5.1	8.0	8.9	11	5.9	4.0	7.7
AC-FT	496	836	507	447	394	410	783	902	1,100	825	500	844

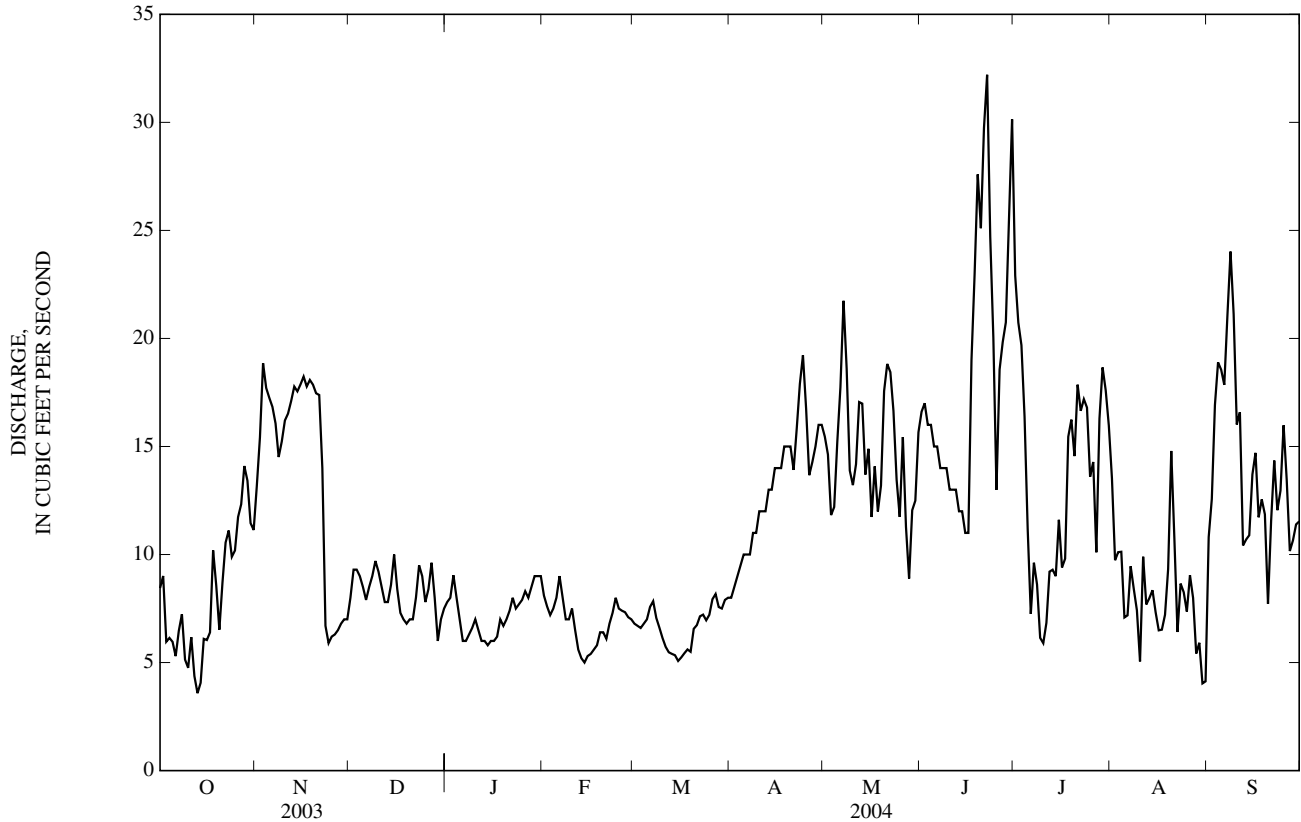
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977-81, 1999-2004, BY WATER YEAR (WY)

MEAN	53.7	60.5	47.4	44.6	68.3	75.2	45.2	135	369	73.3	38.0	62.4
MAX	208	292	185	153	189	223	134	532	1,411	455	150	297
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1999)	(1998)	(2001)	(1998)	(1998)	(1998)	(1999)
MIN	8.06	12.0	8.24	7.26	6.85	6.67	7.97	11.1	5.24	2.95	4.63	14.2
(WY)	(2004)	(2003)	(2004)	(2004)	(2004)	(2004)	(2003)	(2002)	(2002)	(2002)	(2003)	(2004)

09301500 UINTA RIVER AT RANDETT, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1977-81, 1999-2004	
ANNUAL TOTAL	7,098.98		4,054.1		75.6	
ANNUAL MEAN	19.4		11.1		11.1	
HIGHEST ANNUAL MEAN					284	1999
LOWEST ANNUAL MEAN					11.1	2004
HIGHEST DAILY MEAN	212	May 29	32	Jun 22	3,000	Jun 18, 1998
LOWEST DAILY MEAN	0.42	Aug 29	3.6	Oct 13	0.42	Aug 29, 2003
ANNUAL SEVEN-DAY MINIMUM	1.9	Aug 17	4.9	Oct 9	1.8	Jul 17, 2002
ANNUAL RUNOFF (AC-FT)	14,080		8,040		54,770	
10 PERCENT EXCEEDS	44		18		150	
50 PERCENT EXCEEDS	10		9.4		28	
90 PERCENT EXCEEDS	5.1		6.0		8.3	

e Estimated



09302000 DUCHESNE RIVER NEAR RANDETT, UT

LOCATION.--Lat 40°12'56", long 109°46'58", in SW¼SW¼SW¼ sec. 16, T. 3 S., R. 2 E., Uintah Meridian, Uintah County, Hydrologic Unit 14060003, Uintah and Ouray Indian Reservation, on left bank 0.25 mi downstream from Uintah River 1.2 mi southeast of Randlett, and 6.5 mi southeast of Fort Duchesne.

DRAINAGE AREA.--4,247 mi<sup>2</sup>.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Elevation of gage is 4,750 ft above NGVD of 1929, from topographic map. Prior to August 23, 1944 at site 300 ft downstream at different datum. August 23, 1944 to September 4, 1964 at site 200 ft upstream at datum 1.87 ft higher. September 5, 1964 to June 6, 1968 at site 700 ft upstream at datum 1.68 ft higher. June 7, 1968 to August 31, 1970 at site 200 ft upstream at datum 1.87 ft higher. September 1, 1970 to June 7, 1975 at site 300 ft upstream at datum 2.23 ft higher. June 7, 1975 to May 5, 1977 at site 200 upstream at datum 1.87 ft higher. May 6, 1977 to June 20, 2004 at site 2600 ft upstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow regulated by several reservoirs. Large diversions above station for irrigation, including transbasin diversions to the Great Basin through Duchesne and Strawberry Tunnels, Hobbie Creek ditch, Strawberry River, and Willow Creek Ditch.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 11,500 ft<sup>3</sup>/s, Jun 20, 1983; maximum gage height 10.22 ft, Jun 5, 1986; minimum daily discharge, 0.78 ft<sup>3</sup>/s, Aug 21, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 248 ft<sup>3</sup>/s, Jul 2, gage height, 5.89 ft; minimum daily discharge, 12 ft<sup>3</sup>/s, Jul 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	24	66	94	e34	e41	e90	28	46	22	172	38	53
2	25	77	75	e36	e39	e94	30	44	30	171	39	71
3	37	101	63	e40	e35	e98	28	33	25	163	47	55
4	25	110	71	e42	e33	e99	27	24	29	135	32	71
5	22	99	80	e43	e33	e90	27	24	27	138	47	111
6	18	100	80	e41	e34	e97	27	26	39	115	61	109
7	19	102	74	e39	e32	e103	27	33	40	37	64	73
8	21	102	84	e38	e32	e107	30	31	27	20	64	65
9	20	102	80	e37	e33	e91	25	25	27	17	45	61
10	15	106	58	e36	e35	e82	22	23	31	16	36	62
11	13	101	56	e34	e36	e76	22	24	36	15	49	48
12	15	73	38	e34	e38	e71	22	27	36	18	40	43
13	14	61	37	e33	e39	e70	26	30	45	13	42	37
14	13	54	36	e33	e42	e68	34	30	41	12	52	37
15	26	55	44	e35	e44	e65	25	29	31	17	51	45
16	29	54	47	e37	e47	e62	19	30	26	18	46	50
17	26	51	47	e39	e50	e58	21	31	30	16	41	42
18	32	49	31	e42	e53	e70	18	26	35	18	51	42
19	33	50	e30	e44	e56	e68	33	30	43	22	75	44
20	30	51	e30	e47	e60	e58	36	29	39	13	79	40
21	28	53	e32	e45	e65	57	42	29	47	15	78	38
22	32	57	e34	e44	e69	53	35	29	73	17	71	40
23	36	48	e36	e40	e73	55	42	26	123	26	76	38
24	36	31	e38	e40	e78	66	36	24	126	20	65	27
25	43	32	e39	e36	e82	45	29	25	126	27	55	28
26	44	35	e38	e38	e87	37	25	34	130	23	52	28
27	46	50	e38	e39	e93	34	28	28	142	20	48	24
28	48	59	e36	e41	e97	32	23	21	154	25	39	23
29	53	61	e33	e44	e100	31	26	20	174	41	47	28
30	52	88	e32	e46	---	28	32	19	186	45	50	38
31	55	---	e31	e44	---	28	---	22	---	50	55	---
TOTAL	930	2,078	1,542	1,221	1,556	2,083	845	872	1,940	1,455	1,635	1,471
MEAN	30.0	69.3	49.7	39.4	53.7	67.2	28.2	28.1	64.7	46.9	52.7	49.0
MAX	55	110	94	47	100	107	42	46	186	172	79	111
MIN	13	31	30	33	32	28	18	19	22	12	32	23
AC-FT	1,840	4,120	3,060	2,420	3,090	4,130	1,680	1,730	3,850	2,890	3,240	2,920

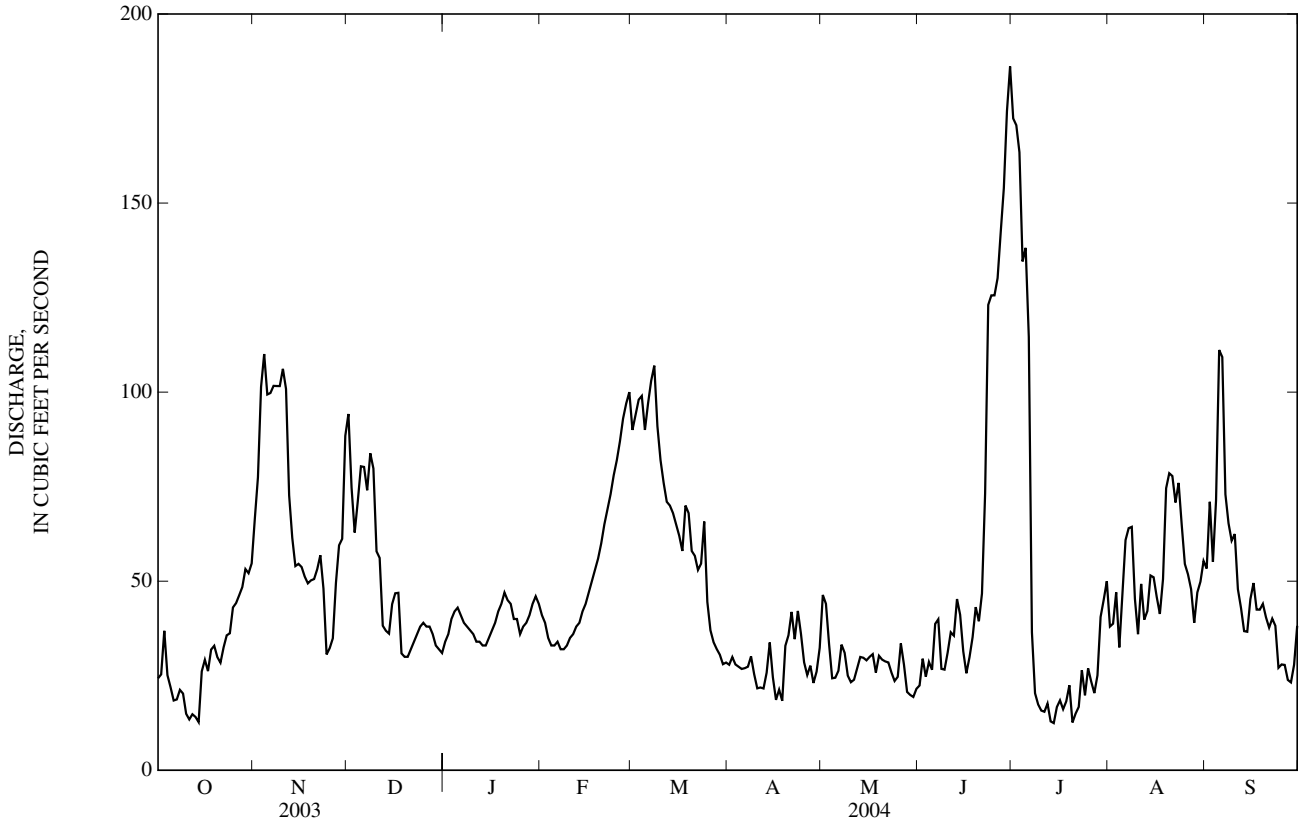
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2004, BY WATER YEAR (WY)

MEAN	304	374	398	386	425	473	388	935	1,799	484	203	223
MAX	1,529	1,443	1,353	1,246	964	1,202	1,865	4,938	7,988	3,177	926	1,264
(WY)	(1984)	(1984)	(1984)	(1984)	(1984)	(1983)	(1952)	(1952)	(1983)	(1995)	(1965)	(1997)
MIN	30.0	42.6	39.6	39.4	52.6	66.1	23.6	27.5	22.9	7.12	5.89	18.9
(WY)	(2004)	(1990)	(1990)	(2004)	(1990)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(1960)

09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1943 - 2004	
ANNUAL TOTAL	16,849.1		17,628		532	
ANNUAL MEAN	46.2		48.2		1,736	
HIGHEST ANNUAL MEAN					48.2	1983
LOWEST ANNUAL MEAN					11,500	2004
HIGHEST DAILY MEAN	385	May 29	186	Jun 30		Jun 20, 1983
LOWEST DAILY MEAN	8.1	Aug 20	12	Jul 14	0.78	Aug 21, 2002
ANNUAL SEVEN-DAY MINIMUM	11	Jul 26	15	Jul 9	1.5	Aug 17, 2002
ANNUAL RUNOFF (AC-FT)	33,420		34,970		385,100	
10 PERCENT EXCEEDS	88		90		1,080	
50 PERCENT EXCEEDS	32		39		312	
90 PERCENT EXCEEDS	13		22		49	

e Estimated



WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1950 to September 1951, November 1956 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1950 to September 1951, November 1956 to September 1980, June 1981 to current year.

WATER TEMPERATURES: December 1950 to September 1951, November 1956 to September 1978, October 1979 to September 1980, June 1981 to current year.

INSTRUMENTATION.--Temperature data logger April 1999 to current year.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 4,490 microsiemens/cm, Aug 24, 1960; minimum observed, 225 microsiemens/cm, Jun 22, 1983.

WATER TEMPERATURES: Maximum, 32.3°C, Jul 18, 2003; minimum, 0.0°C, on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 2,600 microsiemens/cm, Apr 30; minimum observed, 1,100 microsiemens/cm, Jun 18.

WATER TEMPERATURE: Maximum, 29.5°C, Jul 19; minimum, 0.0°C, on many days during the winter period.

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

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfltrd 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC, wat fltrd mg/L (70300)	Hardness, water, mg/L as CaCO3 (00900)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)
OCT 02...	0900	2.14	25			3.4	7.8	1,810	13.0	15.0	1,310			
DEC 02...	1620	2.56	76			--	8.5	1,450	--	.3	995			
FEB 04...	1355	--	33			--	8.3	2,150	--	.0	1,540			
MAR 26...	0900	2.17	36			--	8.3	2,330	--	11.5	1,690			
APR 30...	1145	2.16	30			--	8.2	2,600	--	9.7	1,910			
JUN 16...	1645	2.22	27.1			--	8.1	1,640	--	--	1,100			
AUG 18...	1310	4.90	52			8.1	8.1	1,290	--	22.8	916			
JUN 23...	1615	5.40	129	659	135	9.7	8.1	1,600	--	24.2	470	470	95.1	56.1
JUN 29...	1500	5.61	178	644	106	8.0	8.1	1,160	22.5	20.3	370	370	76.7	43.5
JUL 14...	0915	4.38	13	645	97	6.9	8.0	2,090	24.0	23.6	550	550	104	71.3
JUN 23...	4.73	4	187	46	303	59.9	.6	10.8	476	<.04	<.06	<.06	<.008	<.02
JUN 29...	3.10	3	122	41	273	39.4	.5	9.2	301	<.04	<.06	<.06	<.008	<.02
JUL 14...	5.04	5	256	50	256	122	.7	8.7	633	<.04	<.06	<.06	<.008	<.02

## 09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

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

Date	Carbon dioxide water, unfltrd mg/L (00405)	Residue water, fltrd, tons/ acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue water, fltrd, sum of consti- tuents mg/L (70301)	Boron, water, fltrd, ug/L (01020)	Selen- ium, water, fltrd, ug/L (01145)	Sus- pended sedi- ment dis- charge, tons/d (80155)	Sus- pended sedi- ment concen- tration mg/L (80154)
JUN 23...	4.3	1.50	384	1,100	1,070	909	.5	60	171
29...	4.2	1.07	377	784	760	644	E.4	73	151
JUL 14...	4.9	2.00	53.1	1,470	1,350	941	1.4	4.7	130

E Estimated value.

&gt; Actual value is known to be less than the value shown.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,230	1,940	2,070	1,150	1,430	1,650	2,020	1,940	1,800	1,260	1,450	1,400
2	2,250	1,460	2,100	1,150	1,660	1,620	1,970	2,090	1,600	1,270	1,440	1,570
3	1,540	1,930	1,510	1,960	1,550	1,700	2,090	2,000	1,610	1,240	1,500	1,600
4	2,180	1,880	2,100	2,060	1,510	1,590	2,070	1,980	1,810	1,240	1,500	1,580
5	2,250	1,870	1,490	1,950	1,560	1,700	2,020	2,130	1,590	1,920	1,440	1,400
6	2,230	1,870	2,100	1,150	1,490	1,630	1,960	2,000	1,570	1,960	1,420	1,580
7	2,250	1,830	1,500	1,970	1,450	1,690	2,010	2,010	1,780	1,890	1,440	1,600
8	1,540	1,390	1,380	2,060	1,550	1,640	2,020	2,150	1,540	2,060	1,370	1,600
9	1,440	1,860	1,500	2,050	1,430	1,700	1,960	2,130	1,750	1,960	1,320	1,390
10	1,570	1,430	1,390	1,960	1,420	1,630	1,970	2,000	1,810	2,050	1,370	1,590
11	1,560	1,860	1,510	2,040	1,540	1,690	2,110	2,020	1,800	1,910	1,390	1,590
12	1,460	1,390	1,490	2,080	1,450	2,420	1,890	2,100	1,710	2,050	1,370	1,530
13	1,560	1,910	1,540	2,060	1,430	1,690	1,950	2,090	1,170	1,900	1,320	1,400
14	1,590	1,370	1,410	1,990	1,710	2,410	2,140	2,010	1,660	2,060	1,360	1,580
15	1,460	1,940	1,540	2,040	1,550	2,440	1,830	2,000	1,160	2,060	1,400	1,600
16	1,990	2,060	1,420	2,080	1,740	2,400	1,900	2,120	1,700	2,060	1,490	1,600
17	1,450	1,370	1,530	2,040	1,720	2,460	1,910	1,920	1,120	2,060	1,370	1,590
18	1,960	1,480	1,400	1,960	1,520	2,400	2,190	2,010	1,100	2,070	1,490	1,630
19	1,440	2,040	1,460	2,050	1,540	2,450	1,940	2,000	1,170	2,230	1,410	1,580
20	1,970	1,360	1,420	2,060	1,540	2,410	1,910	2,000	1,690	1,950	1,480	1,660
21	1,460	2,080	1,460	2,060	1,720	2,400	1,950	2,080	1,130	1,950	1,410	1,570
22	2,010	1,350	1,460	1,900	1,730	2,470	2,180	1,820	1,710	2,280	1,490	1,610
23	1,960	1,460	1,520	1,890	1,600	2,090	1,900	2,060	1,170	2,230	1,420	1,590
24	1,930	1,490	1,450	1,580	1,600	2,090	1,950	1,850	1,140	1,500	1,480	1,640
25	1,970	1,370	1,150	1,580	1,740	2,010	1,940	2,060	1,150	1,440	1,420	1,640
26	1,980	2,060	1,150	1,500	1,610	2,490	2,170	1,810	1,120	1,500	1,490	2,240
27	1,970	1,390	1,400	1,620	1,600	2,090	1,850	2,130	1,130	2,280	1,380	1,640
28	1,990	1,380	1,460	1,650	1,540	2,020	2,110	1,810	1,710	1,500	1,400	1,790
29	1,470	1,350	1,420	1,500	1,610	1,970	2,130	2,120	1,120	1,440	1,590	2,200
30	1,930	1,500	1,150	1,530	---	2,490	2,170	1,820	1,200	1,500	1,580	2,110
31	1,980	---	1,460	1,640	---	2,080	---	1,590	---	1,500	1,400	---
MAX	2,250	2,080	2,100	2,080	1,740	2,490	2,190	2,150	1,810	2,280	1,590	2,240
MIN	1,440	1,350	1,150	1,150	1,420	1,590	1,830	1,590	1,100	1,240	1,320	1,390

## 09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

 TEMPERATURE, WATER, DEGREES CELSIUS  
 WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
 DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	8.0	2.0	0.0	0.0	1.5	13.5	14.5	18.5	22.5	24.5	25.0
2	15.0	8.0	2.0	0.0	0.0	1.5	13.5	14.0	18.0	22.5	24.0	25.0
3	15.0	7.5	2.5	0.0	0.0	1.5	13.0	15.0	18.5	21.0	25.0	22.0
4	15.0	7.0	2.0	0.0	0.5	3.0	12.5	15.0	19.0	21.0	24.5	24.5
5	15.0	6.5	2.0	0.0	0.0	1.5	12.0	16.0	19.0	23.0	24.5	24.0
6	14.5	7.0	2.0	0.0	0.0	2.0	13.0	15.0	19.0	23.0	24.0	24.0
7	15.0	8.0	2.0	0.0	0.5	2.0	13.0	16.0	23.5	22.5	24.0	23.5
8	15.0	6.5	2.5	0.0	1.0	4.0	13.5	15.0	19.5	22.5	24.5	23.0
9	15.0	6.5	2.5	0.0	0.0	3.0	12.5	17.5	19.0	24.0	21.0	22.0
10	15.0	6.5	2.0	0.0	1.0	4.0	13.0	16.0	24.0	23.5	21.0	22.5
11	15.0	6.5	2.0	0.0	1.5	4.5	13.5	14.5	20.0	24.0	23.0	22.0
12	15.5	5.0	2.0	0.0	1.5	5.5	13.0	17.5	19.5	28.0	23.0	22.0
13	15.5	5.0	2.0	0.0	1.0	6.0	13.0	16.5	21.0	24.0	23.0	22.0
14	15.5	5.0	2.0	0.0	1.0	5.5	15.0	14.0	21.0	23.5	22.0	19.5
15	15.5	6.5	1.5	0.0	1.0	7.0	13.5	14.0	22.0	24.0	21.5	17.0
16	14.5	6.5	2.0	1.0	2.0	8.0	13.0	15.5	22.0	24.0	22.0	20.0
17	14.5	5.0	2.0	0.0	1.0	12.0	13.0	17.5	24.0	25.0	24.0	20.0
18	14.0	6.5	2.0	0.0	1.0	7.5	15.5	17.0	18.0	24.0	24.5	19.0
19	14.0	6.0	1.5	1.0	0.5	8.0	13.5	18.0	18.0	24.0	26.0	19.0
20	13.0	3.0	0.0	1.0	1.0	13.5	14.0	17.0	18.5	23.0	26.0	19.5
21	13.5	3.5	1.0	1.5	1.0	13.0	14.0	18.0	19.5	25.0	26.5	18.0
22	10.0	3.0	1.0	1.0	1.0	14.0	14.5	18.0	20.5	25.0	25.5	19.0
23	11.0	3.0	1.0	1.0	0.5	14.0	13.0	19.0	20.5	25.5	25.0	18.5
24	11.5	3.0	1.0	1.0	0.0	12.0	15.5	18.5	25.0	25.5	25.0	18.0
25	10.5	2.5	0.0	0.0	0.0	12.0	13.5	17.0	21.0	24.5	24.0	17.5
26	10.5	3.0	0.0	0.0	0.0	12.0	19.0	16.5	21.0	25.5	25.0	17.0
27	10.0	3.5	0.0	1.0	1.0	12.5	15.0	16.5	20.5	23.5	24.0	17.0
28	11.0	3.0	0.0	1.0	2.5	14.5	14.0	18.5	22.5	24.0	24.0	17.0
29	11.0	3.0	0.0	0.5	1.5	14.0	16.5	18.5	22.5	24.0	24.0	15.5
30	11.0	3.0	0.0	0.5	---	12.0	14.0	19.0	22.0	25.0	24.5	16.5
31	10.0	---	0.0	1.0	---	13.0	---	19.0	---	25.5	24.0	---
MAX	15.5	8.0	2.5	1.5	2.5	14.5	19.0	19.0	25.0	28.0	26.5	25.0
MIN	10.0	2.5	0.0	0.0	0.0	1.5	12.0	14.0	18.0	21.0	21.0	15.5



## 09302000 DUCHESNE RIVER NEAR RANDETT, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.0	14.6	16.4	7.2	4.8	6.0	0.1	0.0	0.0	0.0	0.0	0.0
2	18.1	14.9	16.4	7.7	5.6	6.4	0.4	0.0	0.1	0.0	0.0	0.0
3	17.9	14.9	16.5	6.5	5.4	6.2	0.2	0.0	0.0	0.0	0.0	0.0
4	19.1	15.1	17.1	6.4	4.0	5.2	0.2	0.0	0.0	0.0	0.0	0.0
5	19.3	14.9	17.0	5.5	3.6	4.6	0.0	0.0	0.0	0.0	0.0	0.0
6	18.9	14.0	16.3	5.1	2.8	4.0	0.0	0.0	0.0	0.0	0.0	0.0
7	18.3	13.7	15.9	5.7	2.8	4.2	0.1	0.0	0.0	0.0	0.0	0.0
8	18.4	14.3	16.3	7.1	4.3	5.6	0.2	0.0	0.0	0.0	0.0	0.0
9	18.7	14.0	16.0	6.1	5.0	5.6	0.2	0.0	0.0	0.0	0.0	0.0
10	19.9	5.1	13.3	7.0	5.2	5.9	0.1	0.0	0.0	0.0	0.0	0.0
11	17.9	0.0	8.9	6.6	4.2	5.3	0.1	0.0	0.0	0.0	0.0	0.0
12	16.2	0.0	9.3	5.8	3.9	4.8	0.5	0.0	0.1	0.0	0.0	0.0
13	22.8	0.9	12.2	6.2	4.7	5.4	0.4	0.0	0.1	0.0	0.0	0.0
14	24.0	0.0	9.1	7.2	4.9	5.9	0.5	0.0	0.1	0.0	0.0	0.0
15	11.9	8.3	10.2	6.4	4.3	5.3	0.8	0.0	0.1	0.0	0.0	0.0
16	12.3	9.0	10.7	6.5	4.5	5.5	0.2	0.0	0.0	0.0	0.0	0.0
17	12.9	9.6	11.3	6.3	4.2	5.4	0.3	0.0	0.0	0.0	0.0	0.0
18	12.9	9.7	11.4	5.1	2.7	4.0	0.4	0.0	0.1	0.0	0.0	0.0
19	12.8	9.7	11.5	4.7	2.2	3.5	0.3	0.0	0.0	0.0	0.0	0.0
20	13.0	9.7	11.6	4.8	1.8	3.3	0.1	0.0	0.0	0.0	0.0	0.0
21	12.9	9.9	11.6	4.7	2.3	3.5	0.0	0.0	0.0	0.0	0.0	0.0
22	12.7	9.8	11.5	3.2	0.9	2.2	0.0	0.0	0.0	0.0	0.0	0.0
23	12.5	9.5	11.3	1.2	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0
24	12.2	9.5	10.8	0.8	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0
25	10.7	7.9	9.4	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
26	9.2	6.2	8.0	0.7	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
27	9.0	6.1	7.8	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
28	10.2	6.5	8.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	12.1	8.2	10.1	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	10.3	7.4	8.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	7.4	5.3	6.3	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0
MONTH	24.0	0.0	12.0	7.7	0.0	3.6	0.8	0.0	0.0	0.0	0.0	0.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	0.0	0.0	0.0	0.0	0.0	0.0	13.6	10.4	11.4	16.8	9.3	12.9
2	0.0	0.0	0.0	0.0	0.0	0.0	15.8	9.4	12.3	19.1	12.0	15.5
3	0.0	0.0	0.0	0.0	0.0	0.0	16.3	10.5	13.4	20.0	13.5	16.8
4	0.0	0.0	0.0	0.0	0.0	0.0	17.7	11.8	14.7	20.8	14.6	17.7
5	0.0	0.0	0.0	0.0	0.0	0.0	18.2	12.6	15.3	21.8	15.4	18.6
6	0.0	0.0	0.0	0.2	0.0	0.0	18.9	12.0	15.4	22.3	16.1	19.3
7	0.0	0.0	0.0	0.1	0.0	0.0	18.8	12.6	15.9	22.8	16.4	19.5
8	0.0	0.0	0.0	0.4	0.0	0.0	17.1	13.9	15.5	22.7	16.9	19.7
9	0.0	0.0	0.0	1.9	0.0	0.7	18.4	12.3	14.6	22.7	17.1	19.9
10	0.0	0.0	0.0	6.3	0.5	3.3	13.3	9.8	11.7	21.7	16.5	19.0
11	0.0	0.0	0.0	7.8	2.6	5.2	13.1	7.7	10.3	18.1	14.2	16.5
12	0.0	0.0	0.0	9.0	3.7	6.4	15.3	9.0	12.2	16.3	12.4	14.4
13	0.0	0.0	0.0	10.2	4.8	7.6	16.4	10.8	13.7	18.0	12.3	14.7
14	0.0	0.0	0.0	9.5	5.6	7.7	16.2	12.6	14.1	19.6	12.9	16.0
15	0.0	0.0	0.0	10.8	5.3	7.9	14.8	10.7	12.8	21.5	14.0	17.6
16	0.0	0.0	0.0	11.4	5.6	8.3	16.3	11.1	13.6	20.5	17.0	18.9
17	0.0	0.0	0.0	12.4	6.0	8.7	17.2	11.3	13.9	21.5	16.7	19.0
18	0.0	0.0	0.0	12.2	6.5	9.4	14.2	11.0	12.6	21.7	16.9	19.0
19	0.0	0.0	0.0	13.0	7.6	10.4	13.7	9.4	11.3	18.3	16.3	17.2
20	0.0	0.0	0.0	14.3	8.2	11.2	13.4	9.0	11.1	18.3	15.4	16.4
21	0.0	0.0	0.0	15.2	9.5	12.2	13.4	10.1	11.6	20.4	14.6	17.3
22	0.0	0.0	0.0	15.7	10.2	12.9	11.4	8.7	10	20.1	15.8	17.2
23	0.0	0.0	0.0	16.1	11.7	13.6	14.4	7.2	10.5	20.1	14.5	17.0
24	0.0	0.0	0.0	15.3	11.2	13.2	15.7	9.8	12.7	21.6	15.3	18.2
25	0.0	0.0	0.0	16.3	10.7	13.4	17.2	11.0	14.0	20.6	16.0	18.3
26	0.0	0.0	0.0	13.6	8.6	11.2	18.6	11.8	15.2	21.7	14.4	17.8
27	0.0	0.0	0.0	10.7	6.9	8.7	19.2	12.7	15.8	20.2	15.2	17.6
28	0.0	0.0	0.0	12.6	6.2	9.5	17.0	13.2	14.8	20.5	16.6	18.4
29	0.0	0.0	0.0	13.7	7.3	10.6	13.2	10.6	11.8	18.9	15.0	16.6
30	---	---	---	14.4	8.2	11.5	12.4	9.6	10.8	18.6	12.6	15.5
31	---	---	---	15.5	9.7	12.7	---	---	---	20.0	13.4	16.6
MONTH	0.0	0.0	0.0	16.3	0.0	7.0	19.2	7.2	13.1	22.8	9.3	17.4



## 09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--Lat 39°58'44", long 109°10'41" , in SE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$  sec. 2, T. 10 S., R. 24 E., Uintah County, Hydrologic Unit 14050007, on left bank 350 ft downstream from bridge on State Highway 45, 1 mi downstream from Evacuation Creek, and 7 mi north of Watson.

DRAINAGE AREA.--4,020 mi<sup>2</sup>, approximately.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 1904 to October 1906 (no winter records), May to November 1918, April 1923 to September 1979, October 1985 to current year. Monthly discharge only for some periods, published in WSP 1313. Published as "near Dragon" 1906 and "near Rangely, Colo." 1904-1905, 1918.

GAGE.--Water-stage recorder. Datum of gage is 4,946.78 ft above NGVD of 1929. See WSP 1733 for history of changes prior to October 27, 1959. Crest stage gage installed 1999.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions for irrigation of about 31,900 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 8,160 ft<sup>3</sup>/s, Jul 15, 1929; maximum gage height, 13.1 ft, Feb 11, 1962, from floodmark in well (backwater from ice); minimum, 11 ft<sup>3</sup>/s, Dec 6, 1972, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 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 12	1445	*1,550	*3.91				

Minimum discharge, 83 ft<sup>3</sup>/s, Aug 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	295	295	e389	e245	e250	e385	389	693	953	471	267	125
2	283	306	e400	e250	e250	e392	402	707	808	506	163	129
3	292	361	e405	e250	e250	e385	428	676	734	492	200	136
4	310	446	e405	e255	e250	e385	457	672	697	422	226	191
5	324	364	e392	e245	e250	e380	466	723	662	408	215	203
6	309	392	e400	e245	e250	e375	481	834	844	399	337	174
7	314	379	e385	e250	e250	e380	556	1,110	964	416	201	212
8	300	337	e385	e260	e255	e380	547	1,290	1,150	400	201	196
9	305	369	e380	e250	e260	388	581	1,370	1,190	384	176	184
10	289	384	e380	e250	e265	374	678	1,370	1,180	331	158	209
11	300	305	e340	e250	e270	389	692	1,370	1,130	319	148	250
12	297	375	e330	e250	e270	379	647	1,470	996	315	137	132
13	302	386	e325	e245	e270	342	596	1,480	845	305	125	153
14	301	362	e315	e245	e270	353	547	1,340	778	296	118	179
15	303	359	e310	e245	e270	343	512	1,140	664	285	117	165
16	299	362	e310	e245	e300	303	531	959	690	281	113	147
17	301	349	e300	e245	e320	303	539	850	611	299	94	170
18	294	360	e300	e250	e335	289	555	782	625	398	95	163
19	324	355	e295	e250	e355	291	603	749	722	395	106	187
20	289	319	e290	e245	e365	298	624	856	711	334	97	341
21	298	351	e280	e245	e370	314	592	1,110	634	286	124	296
22	291	362	e275	e245	e370	341	558	1,250	589	269	100	372
23	294	e380	e270	e250	e375	363	515	1,260	568	249	102	474
24	306	e375	e265	e250	e375	394	490	1,160	486	240	110	383
25	298	e370	e264	e250	e375	427	456	1,050	428	227	120	405
26	305	e360	e259	e260	e373	436	467	999	421	227	122	337
27	303	e355	e255	e250	e378	465	459	887	413	228	126	341
28	289	e360	e255	e260	e373	503	460	851	413	227	125	335
29	295	e370	e255	e255	e375	486	525	900	425	225	141	342
30	335	e380	e250	e260	---	441	623	1,000	403	215	131	423
31	302	---	e250	e250	---	400	---	1,130	---	219	122	---
TOTAL	9,347	10,828	9,914	7,745	8,919	11,684	15,976	32,038	21,734	10,068	4,617	7,354
MEAN	302	361	320	250	308	377	533	1,033	724	325	149	245
MAX	335	446	405	260	378	503	692	1,480	1,190	506	337	474
MIN	283	295	250	245	250	289	389	672	403	215	94	125
AC-FT	18,540	21,480	19,660	15,360	17,690	23,180	31,690	63,550	43,110	19,970	9,160	14,590

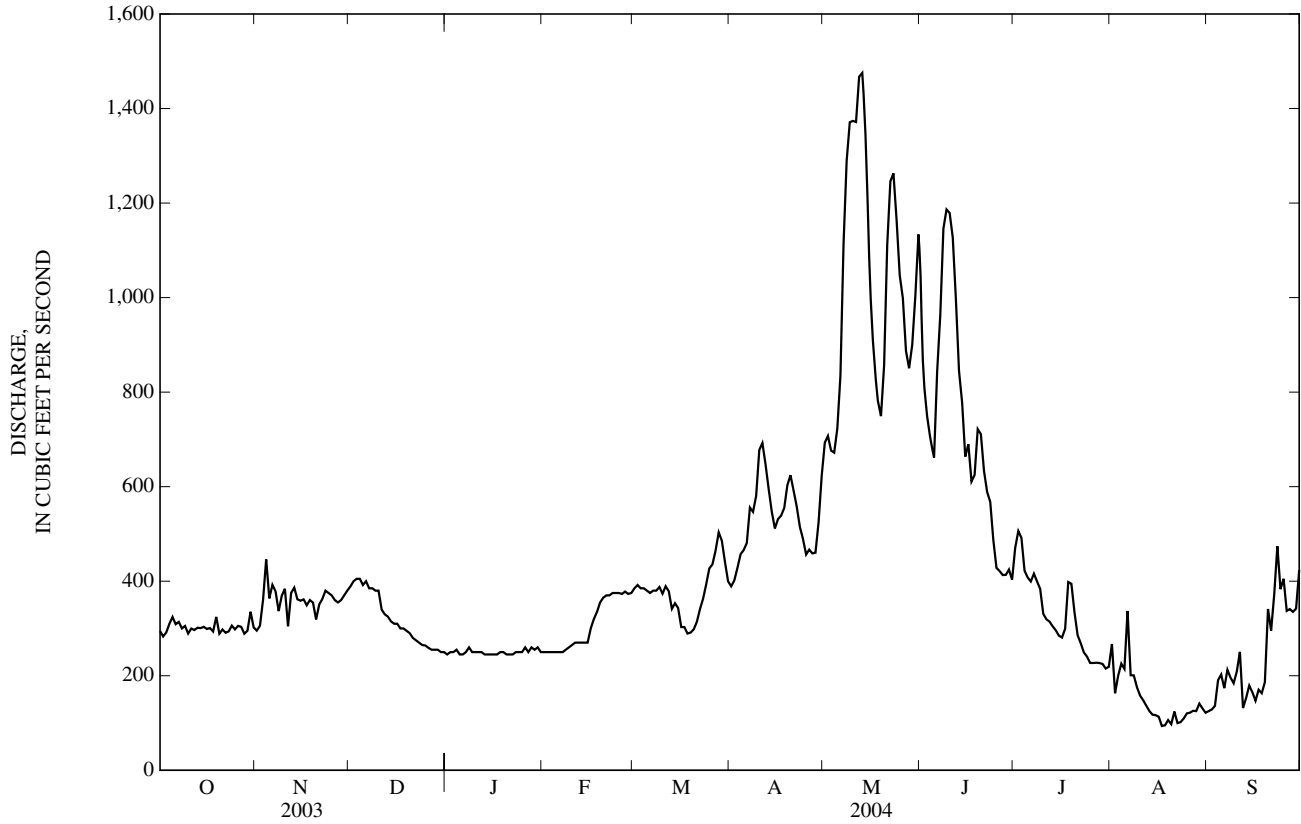
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923 - 2004, BY WATER YEAR (WY)

MEAN	466	427	362	356	424	573	704	1,590	1,787	708	466	432
MAX	1,029	716	600	580	1,414	1,180	2,466	3,537	4,018	2,923	1,915	1,917
(WY)	(1930)	(1998)	(1926)	(1926)	(1986)	(1939)	(1929)	(1929)	(1929)	(1929)	(1929)	(1929)
MIN	243	279	176	160	246	336	368	384	187	73.1	101	207
(WY)	(1964)	(1995)	(1995)	(1937)	(1949)	(1952)	(1961)	(1977)	(2002)	(2002)	(2002)	(2002)

09306500 WHITE RIVER NEAR WATSON, UTAH—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1923 - 2004	
ANNUAL TOTAL	200,845		150,224		690	
ANNUAL MEAN	550		410		298	
HIGHEST ANNUAL MEAN					1,736	1929
LOWEST ANNUAL MEAN					298	2002
HIGHEST DAILY MEAN	3,950	Jun 3	1,480	May 13	8,160	Jul 15, 1929
LOWEST DAILY MEAN	100	Aug 13	94	Aug 17	13	Jul 3, 1977
ANNUAL SEVEN-DAY MINIMUM	122	Aug 8	103	Aug 17	30	Jul 17, 2002
ANNUAL RUNOFF (AC-FT)	398,400		298,000		500,200	
10 PERCENT EXCEEDS	1,270		758		1,560	
50 PERCENT EXCEEDS	350		337		443	
90 PERCENT EXCEEDS	213		186		280	

e Estimated



09306500 WHITE RIVER NEAR WATSON, UT—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1950 to September 1979, October 1985 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1950 to September 1979, October 1986 to September 1993.

WATER TEMPERATURE: December 1950 to September 1979, October 1986 to September 1993.

SUSPENDED-SEDIMENT DISCHARGE: October 1976 to June 1979, October 1985 to September 1990.

INSTRUMENTATION.--Water-quality monitor November 1985 to September 1993.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 4,450 microsiemens/cm, Aug 4, 1955; minimum recorded, 136 microsiemens/cm, May 20, 1989.

WATER TEMPERATURE: Maximum recorded, 33.0°C, Jul 15, 1977; minimum, 0.0°C, many days during winter period.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 31,100 mg/L, Aug 8, 1987; minimum daily mean, 31 mg/L, Sep 7, 8, 1989.

SEDIMENT LOADS: Maximum daily, 121,000 tons, Aug 8, 1987; minimum daily, 12 tons, Sep 7, 8, 1989.

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

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, percent of saturation (00301)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
OCT											
09...	1425	2.15	334	634	162	12.9	--	661	26.5	17.3	432
DEC											
03...	1100	--	403	--	--	--	8.4	680	--	.2	422
FEB											
04...	1030	--	250	--	--	--	--	726	1.6	-1	460
MAR											
25...	0940	2.36	423	--	--	--	8.4	725	--	8.5	482
APR											
29...	1050	2.60	509	--	--	--	8.6	513	--	10.5	347
JUN											
17...	0905	2.76	608	--	--	--	8.5	454	--	17.2	270
AUG											
19...	1000	1.54	99	--	--	--	8.0	685	--	19.1	490

## 09309600 FAIRVIEW TUNNEL NEAR FAIRVIEW, UT (Transmountain diversion)

LOCATION.--Lat 39°40'03", long 111°18'41", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 25, T. 13 S., R. 5 E., Sanpete County, Hydrologic Unit 14060007, on right bank 1,000 ft upstream from tunnel portal, 7.3 mi east-northeast of Fairview.

PERIOD OF RECORD.--July 1967 to current year. Seasonal records only. (July to September 1967, gage height only.)

GAGE.--Water-stage recorder and Parshall flume. Elevation of gage is 8,660 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Fairview Tunnel diverts from San Rafael River and Price River drainages in the Colorado River Basin to San Pitch River in the Great Basin. Due to the location of the gage, reported flow may not be actual flow through tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 66 ft<sup>3</sup>/s, Jun 17, 1993, gage height, 2.46 ft; no flow many days each year.

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	---	---	---	---	---	---	e0.07	0.46	3.0	4.6	8.0	6.3
2	---	---	---	---	---	---	e0.09	1.2	4.2	4.5	8.0	6.4
3	---	---	---	---	---	---	e0.10	2.4	5.5	6.6	8.0	6.5
4	---	---	---	---	---	---	e0.09	3.1	5.4	8.3	8.0	6.7
5	---	---	---	---	---	---	e0.10	3.1	5.3	6.7	7.7	6.7
6	---	---	---	---	---	---	e0.09	1.9	4.6	5.5	6.9	6.5
7	---	---	---	---	---	---	e0.08	1.3	2.6	9.7	5.3	6.4
8	---	---	---	---	---	---	e0.07	1.1	4.0	8.6	6.4	6.3
9	---	---	---	---	---	---	e0.05	0.79	7.4	8.4	7.8	6.3
10	---	---	---	---	---	---	e0.05	0.47	4.9	8.4	8.8	6.2
11	---	---	---	---	---	---	e0.05	0.24	2.4	4.9	7.7	6.2
12	---	---	---	---	---	---	e0.08	0.17	2.1	8.7	7.6	5.9
13	---	---	---	---	---	---	e0.12	0.14	6.1	10	7.5	5.8
14	---	---	---	---	---	---	e0.12	0.01	5.4	11	7.4	5.8
15	---	---	---	---	---	---	e0.11	0.00	5.6	11	4.2	5.7
16	---	---	---	---	---	---	0.17	0.85	8.5	8.2	0.47	6.2
17	---	---	---	---	---	---	0.15	2.5	6.5	8.2	2.4	5.8
18	---	---	---	---	---	---	0.10	2.2	2.1	8.1	8.9	5.6
19	---	---	---	---	---	---	0.06	2.0	1.4	8.0	8.5	3.2
20	---	---	---	---	---	---	0.03	1.9	3.5	8.0	8.0	0.68
21	---	---	---	---	---	---	0.02	1.8	7.5	8.0	7.2	0.57
22	---	---	---	---	---	---	0.00	1.6	4.4	8.1	4.3	0.46
23	---	---	---	---	---	---	0.00	1.7	5.4	8.2	5.1	0.46
24	---	---	---	---	---	---	0.01	2.7	5.3	8.0	6.7	1.9
25	---	---	---	---	---	---	0.05	3.2	5.0	7.9	6.6	4.5
26	---	---	---	---	---	---	0.11	3.8	1.2	7.7	6.5	4.4
27	---	---	---	---	---	---	0.37	3.7	1.1	7.9	6.5	4.4
28	---	---	---	---	---	---	0.28	3.6	1.1	7.8	6.5	4.4
29	---	---	---	---	---	---	0.05	4.3	4.6	8.2	6.5	4.4
30	---	---	---	---	---	---	0.02	3.5	7.6	8.1	6.4	4.3
31	---	---	---	---	---	---	---	3.2	---	8.0	6.3	---
TOTAL	---	---	---	---	---	---	2.69	58.93	133.7	245.3	206.17	144.97
MEAN	---	---	---	---	---	---	0.09	1.90	4.46	7.91	6.65	4.83
MAX	---	---	---	---	---	---	0.37	4.3	8.5	11	8.9	6.7
MIN	---	---	---	---	---	---	0.00	0.00	1.1	4.5	0.47	0.46
AC-FT	---	---	---	---	---	---	5.3	117	265	487	409	288

e Estimated

## 09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT

LOCATION.--Lat 39°46'28", long 111°11'25", in NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec. 18, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 0.8 mi upstream from bridge, 1.2 mi downstream from French Creek, and 4.5 mi north of Scofield.

DRAINAGE AREA.--60.1 mi<sup>2</sup>.

PERIOD OF RECORD.--June to October 1931, April to September 1932, October 1938 to current year. Published as Price River above Scofield Reservoir, near Scofield, October 1938 to September 1967.

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-88-1: 1987.

GAGE.--Water-stage recorder. Elevation of gage is 7,670 ft above NGVD of 1929, from topographic map. June 1931 to September 1932, and October 1938 to July 27, 1967, at various sites about 0.5 mi downstream at different datums.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small transmountain diversions in headwaters for irrigation in Sevier Lake basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,450 ft<sup>3</sup>/s, May 21, 1984, gage height, 6.20 ft; minimum recorded, 0.6 ft<sup>3</sup>/s, Oct 31, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 270 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	2230	*258	*2.37				

Minimum daily discharge, 2.7 ft<sup>3</sup>/s, Aug 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	8.3	e6.8	e6.0	e5.6	e6.1	e48	132	49	16	7.8	4.2
2	5.3	8.3	e6.4	e6.0	e5.7	e6.1	e56	152	48	15	8.0	3.9
3	5.4	8.8	e6.2	e6.1	e5.8	e6.2	e64	180	46	14	6.5	3.8
4	5.6	e7.6	e6.0	e5.8	e5.8	e6.4	e72	210	44	14	4.6	3.9
5	6.4	e7.0	e6.2	e5.4	e5.7	e6.6	e80	232	42	14	4.1	4.6
6	6.1	e6.8	e6.1	e5.5	e5.6	e6.8	e87	244	41	13	3.8	4.7
7	5.9	e6.9	e6.0	e5.6	e5.8	e7.0	e89	237	39	12	3.7	4.4
8	5.6	e7.0	e5.9	e5.7	e5.8	e7.4	e86	238	37	11	3.5	4.2
9	5.3	7.2	e5.6	e5.8	e5.6	e7.5	e85	241	36	10	3.2	4.0
10	5.1	7.5	e5.6	e5.7	e5.4	e7.5	e87	226	41	11	3.0	3.8
11	4.9	e7.4	e5.7	e5.7	e5.5	e7.4	e88	214	40	12	2.9	3.8
12	4.8	e7.7	e5.7	e5.8	e5.3	e7.4	90	196	35	11	2.8	3.9
13	4.9	7.9	e5.8	e5.7	e5.4	e7.2	107	175	32	11	2.7	4.2
14	4.8	8.1	e5.9	e5.6	e5.7	e7.2	116	154	30	13	2.9	3.7
15	5.2	e8.2	e5.7	e5.7	e5.8	e7.1	110	136	29	13	4.2	3.7
16	5.0	8.2	e5.5	e5.8	e5.8	e7.0	111	126	29	13	6.2	3.8
17	4.9	e8.3	e5.6	e5.7	e6.0	e7.0	121	118	32	13	6.2	4.1
18	5.1	e8.3	e5.7	e5.8	e6.2	e7.3	125	113	34	12	5.7	4.1
19	5.1	e8.0	e5.8	e5.8	e6.3	e8.0	109	108	28	11	5.7	6.1
20	5.2	e8.1	e5.9	e5.8	e6.1	e10	103	105	25	10	5.5	7.1
21	5.1	e8.2	e6.0	e5.7	e6.2	e12	105	98	23	9.6	5.5	5.9
22	5.2	e7.6	e5.8	e5.7	e6.5	e20	97	93	23	9.5	5.3	5.1
23	5.1	e6.0	e5.8	e5.8	e6.7	e26	90	86	21	9.9	5.1	5.1
24	5.2	e6.0	e5.7	e5.9	e6.7	e24	97	81	20	9.1	4.9	5.0
25	5.0	e5.8	e5.9	e6.0	e6.6	e20	98	77	20	8.8	5.0	5.2
26	5.5	e5.8	e5.8	e5.9	e6.6	e20	108	69	20	8.9	5.1	5.1
27	5.7	e5.9	e5.6	e5.8	e6.4	e18	130	64	19	9.3	4.2	4.9
28	5.9	e6.1	e5.6	e5.9	e6.3	e18	151	60	18	8.6	4.1	5.1
29	6.1	e6.3	e5.5	e6.0	e6.2	e22	143	67	18	8.2	4.2	6.5
30	6.2	e6.5	e5.7	e6.0	---	e28	129	59	18	7.9	4.2	7.0
31	6.6	---	e5.9	e5.9	---	e38	---	53	---	7.6	4.1	---
TOTAL	167.3	219.8	181.4	179.6	173.1	389.2	2,982	4,344	937	346.4	144.7	140.9
MEAN	5.40	7.33	5.85	5.79	5.97	12.6	99.4	140	31.2	11.2	4.67	4.70
MAX	6.6	8.8	6.8	6.1	6.7	38	151	244	49	16	8.0	7.1
MIN	4.8	5.8	5.5	5.4	5.3	6.1	48	53	18	7.6	2.7	3.7
AC-FT	332	436	360	356	343	772	5,910	8,620	1,860	687	287	279

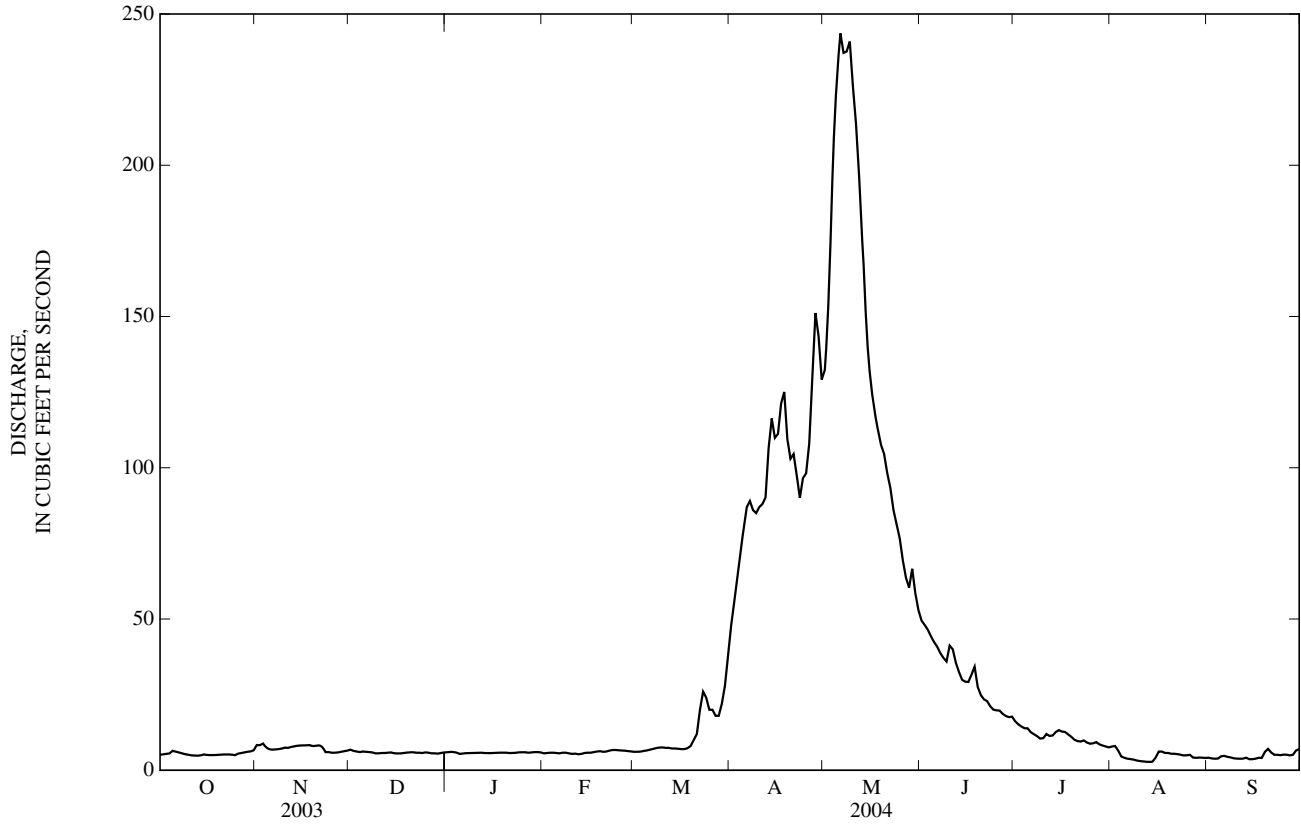
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2004, BY WATER YEAR (WY)

MEAN	11.4	11.3	9.54	8.73	9.17	13.0	61.1	260	134	29.5	14.4	11.0
MAX	26.7	28.8	19.3	20.3	21.2	42.7	167	681	731	99.6	37.5	27.0
(WY)	(1983)	(1983)	(1985)	(1971)	(1994)	(1986)	(1988)	(1952)	(1983)	(1983)	(1983)	(1983)
MIN	5.34	6.01	5.16	3.34	3.45	5.00	11.5	23.5	14.4	6.83	4.07	3.49
(WY)	(1978)	(1965)	(1962)	(1979)	(2002)	(1964)	(1975)	(1977)	(1977)	(1977)	(1977)	(1977)

09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1939 - 2004	
ANNUAL TOTAL	11,516.0		10,205.4			
ANNUAL MEAN	31.6		27.9		48.0	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	393	May 18	244	May 6	1,310	May 22, 1984
LOWEST DAILY MEAN	4.5	Feb 10	2.7	Aug 13	2.6	Jan 31, 1979
ANNUAL SEVEN-DAY MINIMUM	4.9	Oct 11	3.0	Aug 8	2.8	Jan 29, 1979
ANNUAL RUNOFF (AC-FT)	22,840		20,240		34,780	
10 PERCENT EXCEEDS	76		97		124	
50 PERCENT EXCEEDS	8.0		6.5		12	
90 PERCENT EXCEEDS	5.5		4.8		6.6	

e Estimated





## 09310700 MUD CREEK BELOW WINTER QUARTERS CANYON, AT SCOFIELD, UT

LOCATION.--Lat 39°43'18", long 111°09'38", in SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 5, T. 13 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on left bank 1.3 mi upstream from mouth, 0.1 mi below Winter Quarters Canyon, 0.2 mi upstream from Scofield.

DRAINAGE AREA.--29.1 mi<sup>2</sup>.

PERIOD OF RECORD.--August 1978 to September 1986. October 1990 to current year. Formerly published as "Pleasant Valley Creek below Winter Quarters Canyon, at Scofield."

GAGE.--Water-stage recorder. Elevation of gage is 7,720 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. For the last several years the flow has been manipulated by the amount of water pumped from Skyline Mine.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 389 ft<sup>3</sup>/s, May 21, 1984, gage height, 3.30 ft; minimum discharge, 1.3 ft<sup>3</sup>/s, Jul 22, 26, 2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 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)
Oct 6	1545	35	2.25	May 6	2200	31	2.22
Oct 17	0315	83	2.77	Sep 30	2015	*93	*2.85

Minimum daily discharge, 2.3 ft<sup>3</sup>/s, Feb 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	13	17	16	12	e6.6	e3.0	11	e13	13	4.7	5.6	6.4
2	13	17	21	11	e6.0	e3.0	14	e14	13	5.2	4.7	6.2
3	17	17	16	e9.7	e5.6	e3.0	14	e16	13	4.8	4.4	7.8
4	14	17	14	e10	e5.8	e3.2	11	19	13	5.3	5.4	7.4
5	17	18	16	e7.0	e5.3	e4.0	e13	21	14	5.0	4.9	8.8
6	20	15	16	e7.6	e4.5	e5.0	e14	26	13	4.0	4.5	12
7	24	16	16	e8.3	e4.6	e7.0	e14	24	12	3.9	5.1	11
8	23	17	16	e8.1	e4.7	7.5	e15	24	11	3.7	5.0	9.5
9	23	17	16	e9.0	e4.3	8.5	e14	22	11	4.1	4.6	10
10	23	17	15	e9.2	e3.4	8.2	e13	22	12	3.8	4.1	8.4
11	24	16	15	e8.5	e3.1	9.4	e12	24	11	3.3	4.9	10
12	20	19	19	e9.0	e2.3	8.6	e11	19	11	3.4	4.3	11
13	17	18	13	e9.3	e2.4	7.7	e11	19	11	3.6	4.5	11
14	21	16	11	e8.5	e2.5	9.6	e12	16	10	4.3	5.3	11
15	15	16	e14	e7.6	e2.7	9.4	e12	16	10	4.5	5.6	11
16	16	17	e16	e8.0	e2.9	8.5	12	19	10	4.3	5.4	11
17	20	17	e16	e8.2	e3.0	10	12	16	11	4.1	5.6	11
18	16	15	e16	e8.4	e3.1	9.7	13	19	11	4.3	6.4	11
19	20	19	16	e8.3	e2.9	10	13	18	7.4	4.5	5.5	11
20	17	23	16	e8.1	e2.7	10	12	16	6.6	3.9	5.6	12
21	15	23	16	e7.9	e2.9	12	12	17	6.1	2.8	6.2	12
22	16	22	15	e7.7	e3.1	13	12	16	5.8	2.9	6.5	12
23	23	22	17	e8.0	e3.3	13	12	15	6.2	4.1	5.8	11
24	22	22	19	e8.3	e3.2	13	11	17	6.0	3.6	5.8	11
25	15	22	15	e8.6	e3.3	13	12	14	6.0	2.9	6.3	11
26	17	23	18	e8.3	e3.2	11	12	16	5.4	3.0	6.8	11
27	21	23	24	e7.3	e3.2	9.8	14	15	5.4	4.0	6.5	11
28	14	22	24	e7.9	e3.1	9.2	15	15	5.6	5.3	6.1	12
29	20	21	24	e7.6	e3.1	10	e15	16	5.2	4.3	6.2	12
30	14	20	23	e7.2	---	9.8	e14	15	4.7	4.2	6.7	15
31	13	---	12	e6.7	---	11	---	13	---	4.6	7.0	---
TOTAL	563	564	521	261.3	106.8	270.1	382	552	280.4	126.4	171.3	315.5
MEAN	18.2	18.8	16.8	8.43	3.68	8.71	12.7	17.8	9.35	4.08	5.53	10.5
MAX	24	23	24	12	6.6	13	15	26	14	5.3	7.0	15
MIN	13	15	11	6.7	2.3	3.0	11	13	4.7	2.8	4.1	6.2
AC-FT	1,120	1,120	1,030	518	212	536	758	1,090	556	251	340	626

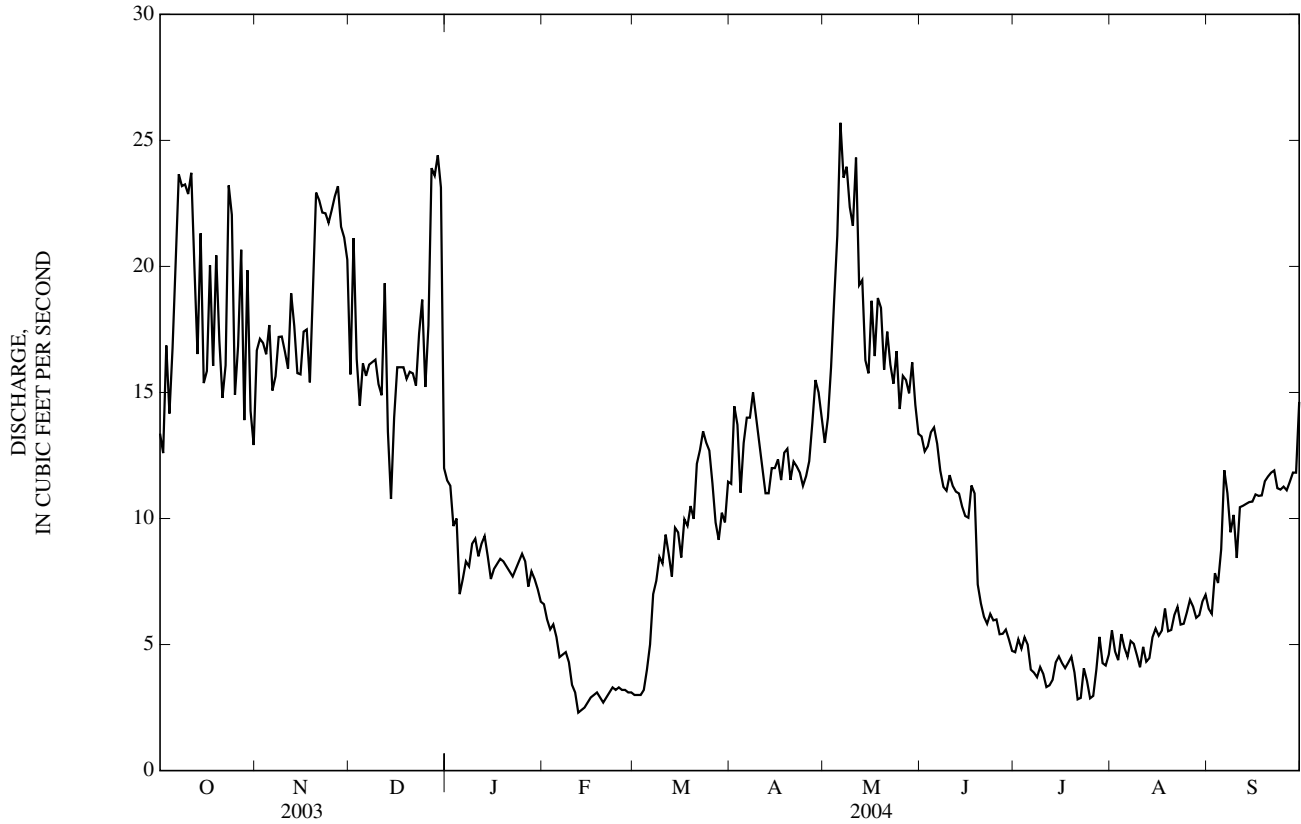
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-86, 1991-2004, BY WATER YEAR (WY)

MEAN	8.92	8.67	7.78	7.16	7.15	9.72	17.5	52.5	43.0	12.9	8.58	9.36
MAX	21.1	22.9	22.2	21.1	22.7	26.7	40.7	141	134	30.8	20.8	23.0
(WY)	(2002)	(2003)	(2003)	(2003)	(2003)	(2003)	(1985)	(1984)	(1983)	(1983)	(2002)	(2002)
MIN	2.73	3.35	2.80	1.95	3.00	4.27	9.00	9.19	6.34	3.43	2.91	2.03
(WY)	(1979)	(1980)	(1980)	(1980)	(1979)	(1979)	(1979)	(1992)	(1994)	(1981)	(1992)	(1979)

09310700 MUD CREEK BELOW WINTER QUARTERS CANYON, AT SCOFIELD, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1979-86, 1991-2004	
ANNUAL TOTAL	7,863.6		4,113.8			
ANNUAL MEAN	21.5		11.2		16.1	
HIGHEST ANNUAL MEAN					30.7 1984	
LOWEST ANNUAL MEAN					5.52 1981	
HIGHEST DAILY MEAN	56	May 25	26	May 6	300	May 24, 1984
LOWEST DAILY MEAN	5.3	Sep 3	2.3	Feb 12	1.6	Sep 8, 1979
ANNUAL SEVEN-DAY MINIMUM	8.0	Aug 14	2.7	Feb 11	1.6	Jan 11, 1980
ANNUAL RUNOFF (AC-FT)	15,600		8,160		11,690	
10 PERCENT EXCEEDS	29		20		31	
50 PERCENT EXCEEDS	22		11		8.6	
90 PERCENT EXCEEDS	11		4.0		4.0	

e Estimated

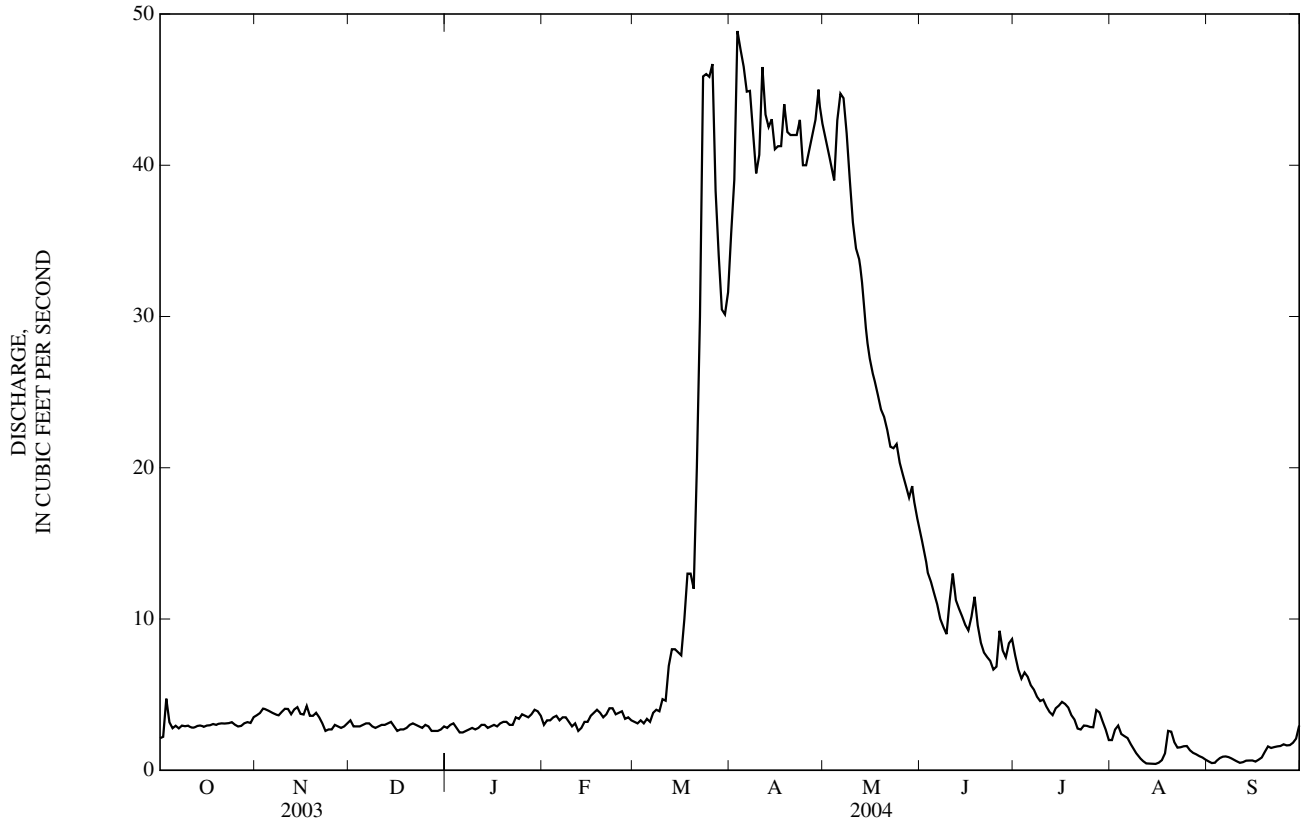




09312600 WHITE RIVER BELOW TABBYUNE CREEK, NEAR SOLDIER SUMMIT, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1968 - 2004	
ANNUAL TOTAL	4,845.6		3,704.47			
ANNUAL MEAN	13.3		10.1		26.5	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	100	May 17	49	Apr 3	927	May 27, 1983
LOWEST DAILY MEAN	1.7	Sep 17	0.42	Aug 15	0.00	Aug 6, 1977
ANNUAL SEVEN-DAY MINIMUM	1.9	Sep 21	0.50	Aug 11	0.00	Aug 6, 1977
ANNUAL RUNOFF (AC-FT)	9,610		7,350		19,190	
10 PERCENT EXCEEDS	43		40		64	
50 PERCENT EXCEEDS	3.7		3.5		6.3	
90 PERCENT EXCEEDS	2.6		1.5		2.4	

e Estimated



## 09314500 PRICE RIVER AT WOODSIDE, UT

LOCATION.--Lat 39°15'50", long 110°20'45", in SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>, sec. 9, T. 18 S., R. 14 E., Emery County, Hydrologic Unit 14060007, on left downstream wingwall of old highway bridge, 200 ft downstream from railroad bridge at Woodside, and 16.3 mi upstream from mouth.

DRAINAGE AREA.--1,540 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1909 to December 1910, January to August 1911 (gage heights only), November 1945 to September 1992, and July 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,600 ft above NGVD of 1929, by barometer. September 1909 to August 1911, reference point at site about 100 ft upstream at different datum. November 27, 1945 to October 16, 1954, water-stage recorder at site 15 ft downstream at datum 1.85 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 18,000 acres. Flow affected by storage in Scofield Reservoir, usable capacity, 65,780 acre-ft, since 1926 (see station 09311000).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft<sup>3</sup>/s, Sep 7, 1991, gage height, 13.49 ft, from rating curve extended above 6,840 ft<sup>3</sup>/s; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 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 3	2015	*1,660	*11.29				

No flow Oct 2, Jul 12-16, Sep 17, 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	e0.02	22	e21	e17	e18	e34	43	57	29	e33	4.1	4.2
2	e0.00	25	e21	e17	e18	e33	33	50	27	23	2.7	4.1
3	e6.5	29	e20	e18	e17	e32	43	33	23	17	199	6.1
4	49	31	e18	e16	e19	e33	49	24	20	10	e8.0	e140
5	e46	32	e20	e13	e19	e34	60	20	17	5.2	11	e20
6	e25	31	e21	e14	e18	e35	50	20	12	2.6	290	e7.0
7	e12	31	e22	e14	e18	e36	e50	26	13	1.6	177	e5.0
8	e10	28	e22	e14	e17	36	e65	42	9.5	0.84	71	e2.0
9	e10	25	e20	e15	e17	35	e50	25	10	2.1	17	e1.2
10	13	26	e20	e15	e17	35	60	17	6.2	e1.0	8.7	e0.90
11	20	28	e21	e15	e17	e37	43	16	4.6	e0.50	6.0	e0.70
12	14	28	e21	e15	e17	34	39	17	4.6	e0.00	5.8	e0.50
13	18	32	e20	e15	e16	30	35	20	4.9	e0.00	3.8	e1.1
14	20	20	e21	e14	e16	29	31	25	7.4	e0.00	2.5	0.92
15	21	22	e22	e14	e16	e32	26	25	4.4	e0.00	2.4	0.24
16	21	23	e20	e14	e18	e35	28	25	2.4	e0.00	3.1	e0.01
17	22	22	e19	e15	e18	e37	26	24	2.0	e1.8	561	e0.00
18	17	21	e20	e15	e19	39	26	22	3.6	48	439	e0.00
19	14	22	e20	e15	e19	42	27	20	70	37	125	e0.01
20	14	22	e21	e16	e20	44	28	23	38	51	30	e12
21	16	21	e22	e16	e23	47	29	25	14	47	37	e40
22	16	22	e23	e15	e23	54	39	30	13	11	21	e9.0
23	15	e17	e22	e16	e24	53	37	30	10	5.0	14	e4.0
24	14	e18	e22	e16	e25	71	39	32	8.7	2.3	14	e2.0
25	14	e20	e23	e17	e25	73	39	38	7.1	1.7	10	1.5
26	14	e21	e24	e16	e28	74	32	32	6.3	6.3	9.2	0.83
27	15	e20	e23	e15	e30	72	29	27	12	e2.0	11	1.2
28	17	e20	e21	e16	e32	72	27	29	21	e0.40	11	1.5
29	19	e21	e20	e17	e34	62	27	26	32	e0.30	9.7	127
30	21	e22	e19	e18	---	54	34	24	e110	e0.20	11	205
31	21	---	e18	e19	---	48	---	26	---	e3.0	7.6	---
TOTAL	534.52	722	647	482	598	1,382	1,144	850	542.7	313.84	2,122.6	598.01
MEAN	17.2	24.1	20.9	15.5	20.6	44.6	38.1	27.4	18.1	10.1	68.5	19.9
MAX	49	32	24	19	34	74	65	57	110	51	561	205
MIN	0.00	17	18	13	16	29	26	16	2.0	0.00	2.4	0.00
AC-FT	1,060	1,430	1,280	956	1,190	2,740	2,270	1,690	1,080	623	4,210	1,190

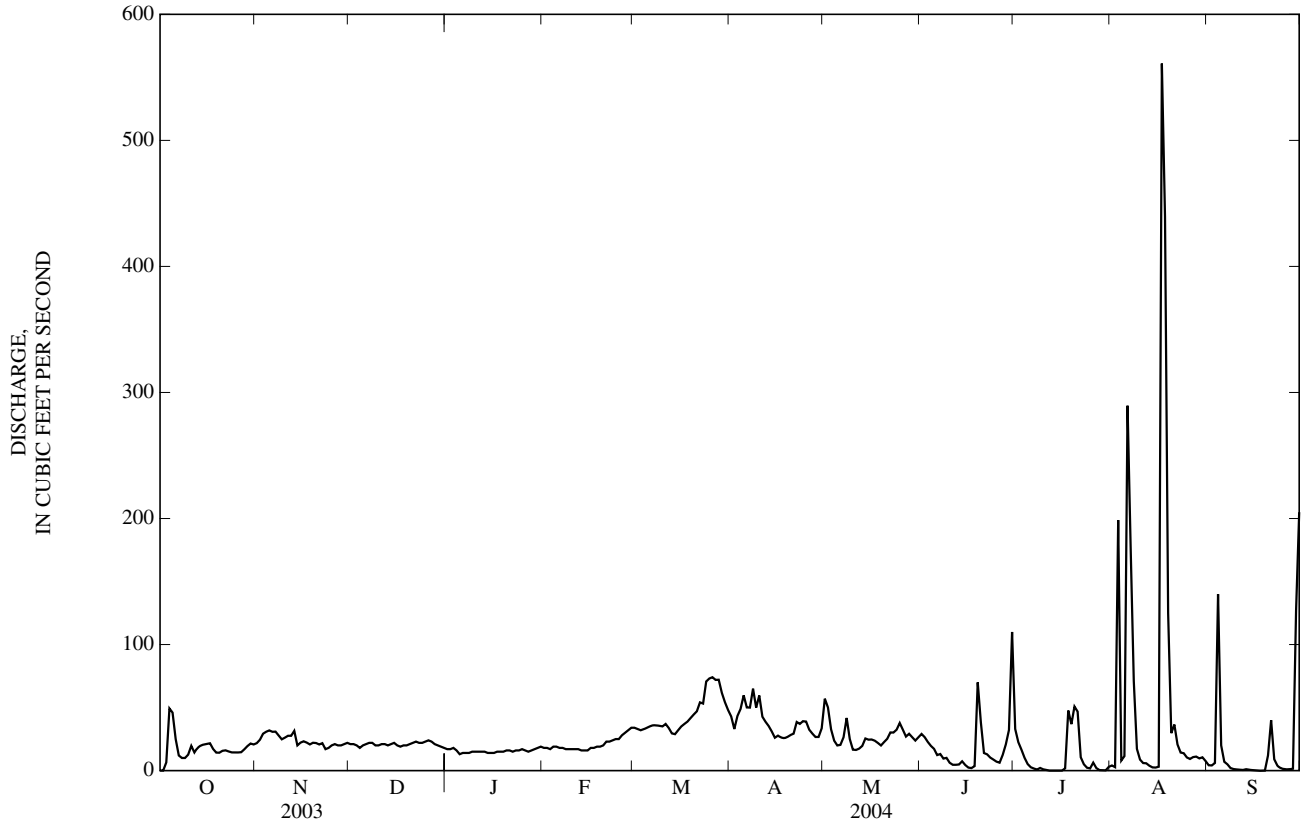
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947-92, 2000-04, BY WATER YEAR (WY)

MEAN	89.6	63.6	40.5	34.1	58.6	112	173	274	214	94.6	109	106
MAX	399	337	101	80.0	227	375	768	1,762	2,023	427	478	494
(WY)	(1984)	(1958)	(1967)	(1986)	(1983)	(1979)	(1986)	(1952)	(1983)	(1983)	(1957)	(1991)
MIN	17.2	17.9	12.2	10.7	18.0	25.6	15.0	5.26	1.51	4.21	8.61	5.72
(WY)	(2004)	(1991)	(1978)	(1961)	(1964)	(1961)	(1961)	(1961)	(1961)	(1960)	(1990)	(1992)

09314500 PRICE RIVER AT WOODSIDE, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1947-92, 2000-04	
ANNUAL TOTAL	9,282.81		9,936.67		115	
ANNUAL MEAN	25.4		27.1		479	
HIGHEST ANNUAL MEAN					25.9	
LOWEST ANNUAL MEAN					1983	
HIGHEST DAILY MEAN	380	Aug 17	561	Aug 17	6,180	Sep 7, 1991
LOWEST DAILY MEAN	0.00	Jul 17	0.00	Oct 2	0.00	Jul 21, 1960
ANNUAL SEVEN-DAY MINIMUM	0.05	Sep 26	0.21	Jul 10	0.00	Jul 21, 1960
ANNUAL RUNOFF (AC-FT)	18,410		19,710		82,960	
10 PERCENT EXCEEDS	36		46		228	
50 PERCENT EXCEEDS	22		20		50	
90 PERCENT EXCEEDS	4.1		2.2		16	

e Estimated



## 09314500 PRICE RIVER AT WOODSIDE, UT—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--December 1946 TO September 1949, February 1951 to September 1988, November 1991 to June 1993, March 1995 to September 1997, and November 2000 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1951 to September 30, 1978.

WATER TEMPERATURE: February 1951 to September 1959, November 1961 to September 1963, October 1964 to September 30, 1978, November 2000 to current year.

INSTRUMENTATION.--Water temperature probe.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 8,540 microsiemens, Dec 11, 1951; minimum daily, 814 microsiemens, Jun 1, 1952.

WATER TEMPERATURE: Maximum, 36.3°C, Jul 22, 2003; minimum, -0.9°C, Feb 2, 3, 5, 6, 2004.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 29.7°C, Aug 13; minimum, -0.9°C, Feb 2, 3, 5, 6.

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAY	MAX	MIN	MEAN	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
				MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	14.5	13.4	13.9	---	---	---	-0.2	-0.2	-0.2			
2	---	---	---	14.7	13.7	14.1	---	---	---	-0.2	-0.2	-0.2			
3	---	---	---	14.6	13.9	14.1	---	---	---	-0.2	-0.2	-0.2			
4	---	---	---	15.5	14.6	14.9	---	0.4	---	-0.1	-0.2	-0.2			
5	---	---	---	15.6	14.6	15.1	0.7	0.6	0.6	-0.1	-0.2	-0.1			
6	---	---	---	16.1	15.1	15.5	0.8	0.5	0.6	-0.1	-0.2	-0.2			
7	---	---	---	15.9	15.0	15.4	1.5	0.4	0.8	-0.2	-0.2	-0.2			
8	---	---	---	15.7	14.5	15.0	1.7	0.6	1.1	-0.1	-0.2	-0.2			
9	---	11.0	---	15.3	14.7	14.9	0.9	0.4	0.5	0.0	-0.2	-0.1			
10	12.6	11.4	12.0	14.8	14.5	14.6	0.5	0.3	0.4	0.0	-0.1	-0.1			
11	13.7	12.1	12.9	14.8	14.0	14.5	0.5	0.3	0.4	0.0	-0.1	-0.1			
12	14.3	12.4	13.3	15.3	14.6	14.9	0.4	0.2	0.3	0.0	-0.1	-0.1			
13	14.2	12.6	13.4	14.9	14.1	14.6	0.4	0.2	0.3	0.2	-0.1	0.0			
14	14.6	12.8	13.7	14.1	---	---	0.4	0.2	0.3	0.1	-0.1	0.1			
15	14.8	12.9	13.8	---	---	---	0.3	0.2	0.2	0.0	-0.1	0.0			
16	14.4	12.6	13.5	---	---	---	0.3	0.1	0.2	0.0	-0.1	-0.1			
17	14.2	12.4	13.3	---	5.8	---	0.2	0.1	0.1	0.0	-0.3	-0.1			
18	14.1	12.3	13.2	6.1	5.1	5.6	0.2	-0.1	0.1	-0.1	-0.3	-0.2			
19	14.1	12.4	13.2	5.4	4.6	5.0	0.1	0.0	0.1	-0.2	-0.3	-0.2			
20	14.0	12.3	13.1	5.0	4.1	4.6	0.1	0.0	0.1	-0.2	-0.4	-0.4			
21	13.9	12.2	13.0	4.9	3.7	4.4	0.1	0.0	0.1	-0.3	-0.4	-0.4			
22	13.9	12.3	13.1	4.5	3.3	3.9	0.1	0.0	0.1	-0.3	-0.6	-0.4			
23	14.1	12.5	13.2	3.5	3.0	3.2	0.2	0.0	0.1	-0.5	-0.6	-0.5			
24	13.8	12.8	13.3	3.1	2.7	2.9	0.1	0.0	0.1	-0.5	-0.6	-0.6			
25	14.3	13.1	13.7	2.8	2.5	2.6	0.1	0.0	0.0	-0.5	-0.7	-0.6			
26	15.0	13.6	14.2	2.5	---	---	0.1	-0.1	-0.1	-0.6	-0.7	-0.7			
27	14.9	13.8	14.3	---	---	---	-0.1	-0.2	-0.1	-0.6	-0.7	-0.7			
28	14.7	13.2	13.9	---	---	---	0.0	-0.2	-0.1	-0.7	-0.8	-0.8			
29	14.4	13.1	13.7	---	---	---	-0.1	-0.2	-0.1	-0.7	-0.8	-0.7			
30	14.1	13.3	13.7	---	---	---	-0.1	-0.2	-0.2	-0.7	-0.8	-0.7			
31	14.5	13.5	14.0	---	---	---	-0.1	-0.2	-0.2	-0.7	-0.8	-0.8			
MONTH	15.0	11.0	13.4	16.1	2.5	10.7	1.7	-0.2	0.2	0.2	-0.8	-0.3			





## 09315000 GREEN RIVER AT GREEN RIVER, UT

LOCATION.--Lat 38°59'10", long 110°09'02", in NW<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub> sec. 15, T. 21 S., R. 16 E., Emery County, Hydrologic Unit 14060008, on right bank 1,400 ft upstream from railroad bridge, .9 mi southeast of town of Green River, 22.7 mi upstream from San Rafael River, at mile 117.6 upstream from mouth.

DRAINAGE AREA.--44,850 mi<sup>2</sup> approximately, of which about 4,260 mi<sup>2</sup> (including 3,959 mi<sup>2</sup> in Great Divide Basin in southern Wyoming) is noncontributing.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1894 to October 1899, March 1905 to current year. Published as "at Blake" 1894-99, as "near Elgin" 1911, and as "at Little Valley, near Green River" 1910-23.

REVISED RECORDS.--WSP 918: 1895-1899. WDR UT-76-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4,040.18 ft above NGVD of 1929. Prior to November 6, 1914, staff, wire-weight, or chain gages at several sites within 7 mi of present site at various datums. November 6, 1914 to June 20, 1924, water-stage recorder at site 7 mi downstream at different datum. June 21 to September 18, 1924, chain gage, and September 19, 1924 to May 7, 1947, water-stage recorder at site 100 ft downstream at present datum. May 8, 1947 to September 7, 1994, water-stage recorder at site 900 ft downstream at present datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Diversions for irrigation above station. Flow regulated by Flaming Gorge Reservoir (see station 09234400) since November 1, 1962.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 68,100 ft<sup>3</sup>/s, Jun 27, 1917, gage height, 14.53 ft, site and datum then in use; minimum, 255 ft<sup>3</sup>/s, Nov 26, 1931; minimum gage height, 4.08 ft, Aug 1, Dec 5, 1934.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 17,000 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 15	1030	*11,900	*9.34				

Minimum discharge, 761 ft<sup>3</sup>/s, Nov 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,380	1,490	1,260	1,770	e1,270	2,330	4,310	3,800	5,380	3,350	1,670	1,200
2	1,340	1,510	1,540	1,540	e1,210	2,460	4,320	3,840	5,730	3,220	1,610	1,210
3	1,320	1,540	1,740	1,610	e1,210	2,560	3,850	4,260	6,210	3,050	1,540	1,190
4	1,370	1,570	1,840	e1,500	e1,400	2,680	3,470	4,980	5,670	3,060	1,620	1,470
5	1,380	1,580	1,920	e1,420	e1,440	2,740	3,210	5,250	4,930	3,050	1,460	1,430
6	1,380	1,620	1,990	e1,370	e1,300	2,820	3,140	4,980	4,530	3,370	1,480	1,370
7	1,400	1,710	2,020	e1,280	e1,260	2,790	3,290	4,590	4,250	3,520	1,580	1,680
8	1,390	1,730	2,050	e1,210	e1,270	2,870	3,590	4,730	4,420	3,110	1,560	1,630
9	1,370	1,780	2,020	e1,180	e1,360	3,010	3,930	5,750	5,060	2,780	1,580	1,550
10	1,380	1,880	1,740	e1,150	e1,300	3,220	4,120	7,370	5,480	2,570	1,380	1,630
11	1,380	1,890	2,080	e1,150	e1,300	3,390	4,610	8,360	5,870	2,410	1,310	1,600
12	1,370	1,840	2,080	e1,220	e1,280	2,910	4,940	8,820	6,240	2,270	1,270	1,470
13	1,370	1,860	1,810	e1,220	e1,260	2,810	5,290	9,890	6,260	2,110	1,230	1,440
14	1,390	1,830	1,760	e1,220	e1,240	2,690	5,780	11,000	6,010	1,950	1,200	1,470
15	1,390	1,800	1,710	e1,280	e1,220	2,680	5,780	11,700	5,580	1,870	1,190	1,500
16	1,380	1,820	1,500	e1,310	e1,300	2,890	5,170	11,200	4,910	1,810	1,170	1,380
17	1,380	1,810	1,320	e1,320	e1,400	2,800	4,610	10,200	4,430	1,770	1,150	1,310
18	1,390	1,820	1,590	e1,340	e1,450	2,790	4,290	9,250	4,080	1,730	1,570	1,320
19	1,410	1,820	1,580	e1,280	e1,500	2,780	4,100	8,240	4,020	1,860	1,380	1,480
20	1,410	1,840	1,450	e1,350	e1,460	2,750	4,170	7,450	4,050	1,790	1,300	1,730
21	1,420	1,830	1,290	e1,270	e1,580	2,650	4,300	6,970	4,060	1,820	1,210	1,450
22	1,420	1,830	1,310	e1,230	e1,670	2,600	4,610	6,550	4,080	1,760	1,310	1,490
23	1,410	1,840	1,490	e1,160	e1,770	2,530	5,100	6,690	4,210	1,710	1,170	1,560
24	1,410	1,820	1,430	e1,170	1,810	2,490	5,120	7,130	4,380	1,830	1,190	1,690
25	1,390	1,660	1,560	e1,160	1,870	2,630	4,760	7,550	4,230	1,750	1,270	1,700
26	1,350	1,510	1,780	e1,150	1,980	2,940	4,450	7,570	4,110	1,620	1,180	1,780
27	1,390	1,010	1,660	e1,140	2,100	3,250	4,340	7,140	4,250	1,540	1,140	1,790
28	1,400	947	1,600	e1,140	2,240	3,370	4,130	6,550	3,990	1,550	1,160	1,770
29	1,430	842	1,400	e1,180	2,330	3,660	3,900	6,180	3,690	1,980	1,190	2,050
30	1,460	901	1,630	e1,250	---	3,930	3,910	5,690	3,480	2,210	1,200	2,450
31	1,490	---	1,750	e1,290	---	4,230	---	5,390	---	1,830	1,190	---
TOTAL	43,150	48,930	51,900	39,860	43,780	90,250	130,590	219,070	143,590	70,250	41,460	46,790
MEAN	1,392	1,631	1,674	1,286	1,510	2,911	4,353	7,067	4,786	2,266	1,337	1,560
MAX	1,490	1,890	2,080	1,770	2,330	4,230	5,780	11,700	6,260	3,520	1,670	2,450
MIN	1,320	842	1,260	1,140	1,210	2,330	3,140	3,800	3,480	1,540	1,140	1,190
AC-FT	85,590	97,050	102,900	79,060	86,840	179,000	259,000	434,500	284,800	139,300	82,240	92,810

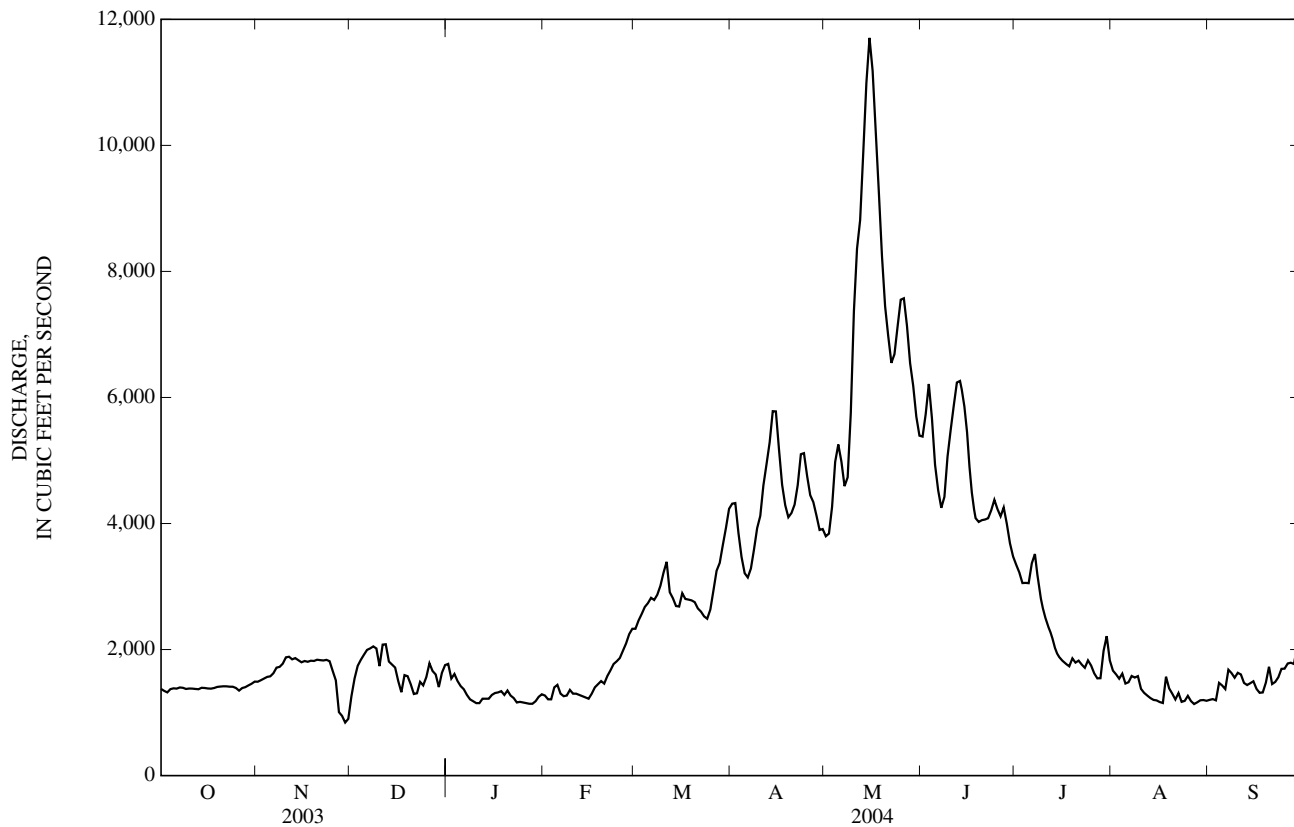
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1895-99, 1905-2004, BY WATER YEAR (WY)

MEAN	3,017	2,875	2,357	2,301	2,801	4,493	7,213	15,480	18,620	7,779	3,619	2,803
MAX	7,701	6,490	5,894	5,739	7,258	11,430	18,370	40,990	46,650	31,630	11,220	9,960
(WY)	(1983)	(1987)	(1987)	(1985)	(1962)	(1910)	(1962)	(1897)	(1921)	(1907)	(1907)	(1909)
MIN	718	935	801	1,000	1,050	1,617	2,591	4,212	2,128	645	712	603
(WY)	(1935)	(1935)	(1909)	(1897)	(1898)	(1963)	(1963)	(1990)	(1934)	(1934)	(1934)	(1934)

09315000 GREEN RIVER AT GREEN RIVER, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1895-99, 1905-2004	
ANNUAL TOTAL	1,228,400		969,620		6,121	
ANNUAL MEAN	3,365		2,649		1,805	
HIGHEST ANNUAL MEAN					12,280	
LOWEST ANNUAL MEAN					1,805	
HIGHEST DAILY MEAN	22,100	Jun 5	11,700	May 15	66,700	Jun 27, 1917
LOWEST DAILY MEAN	842	Nov 29	842	Nov 29	380	Dec 5, 1934
ANNUAL SEVEN-DAY MINIMUM	1,090	Aug 31	1,140	Nov 26	419	Jul 30, 1934
ANNUAL RUNOFF (AC-FT)	2,437,000		1,923,000		4,434,000	
10 PERCENT EXCEEDS	7,400		5,260		15,000	
50 PERCENT EXCEEDS	1,740		1,770		3,420	
90 PERCENT EXCEEDS	1,140		1,220		1,500	

e Estimated



09315000 GREEN RIVER AT GREEN RIVER, UT—Continued

WATER-QUALITY RECORDS

LOCATION.--Daily samples collected at gage site.

PERIOD OF RECORD.--August 1928 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1941 to September 1981, March 1982 to current year.

WATER TEMPERATURE: May 1949 to September 1959, October 1964 to September 1981, March 1982 to current year.

SUSPENDED-SEDIMENT DISCHARGE: May 1930 to September 1984.

INSTRUMENTATION.--Water-quality monitor April 1985 to September 1989.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 3,250 microsiemens/cm, Dec 1, 1967; minimum daily, 255 microsiemens/cm, Jun 30, 1978.

WATER TEMPERATURE: Maximum, 30.0°C, Aug 13, 1958, Jul 5, 6, 8, 12, Aug 5, 2001, Jul 9, 14, 2002, Jul 21, 2003; minimum, 0.0°C, on many days during winter period each year.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 66,000 mg/L, Jul 11, 1936; minimum daily, 19 mg/L, Sep 30, 1974.

SEDIMENT LOADS: Maximum daily, 2,230,000 tons, Jul 11, 1936; minimum daily, 54 tons, Sep 27, 1956.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 1,080 microsiemens/cm, Aug 7; minimum observed, 340 microsiemens/cm, May 27.

WATER TEMPERATURE: Maximum observed, 29.0°C, Jul 16, 17; minimum observed, 0.0°C, several days in Dec, Jan, Feb.

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

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC, wat flt mg/L (70300)
NOV 19...	0840	5.88	1,820	8.3	810	1.5	6.0	532
FEB 23...	0830	5.79	1,770	8.3	850	6.0	4.5	556
APR 09...	0815	6.82	4,000	8.2	630	11.0	15.0	404
JUN 02...	0815	7.54	5,640	8.2	400	20.0	18.0	251
JUL 13...	0815	6.12	2,160	8.4	600	23.0	24.0	366
AUG 30...	1030	5.55	1,230	8.4	880	22.0	20.5	555

Date	Time	Instantaneous discharge, cfs (00061)	Specific conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium adsorption ratio (00931)	Sodium, water, fltrd, mg/L (00930)	Sodium, percent (00932)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
AUG 17...	1700	1,180	794	25.5	250	90	59.2	25.6	3.70	2	69.4	37	163
SEP 23...	1615	1,530	840	16.2	270	110	63.0	27.8	3.27	2	79.0	38	166

Date	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue on evap. at 180degC, wat flt mg/L (70300)	Iron, water, fltrd, ug/L (01046)
AUG 17...	29.0	.4	4.47	202	492	.70	1,650	517	<6
SEP 23...	30.0	.4	3.61	224	531	.74	2,260	546	<6

## 09315000 GREEN RIVER AT GREEN RIVER, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	840	890	880	---	820	800	540	390	550	750	880
2	800	840	920	870	---	850	650	580	400	580	860	880
3	800	840	930	890	---	850	620	560	405	570	---	890
4	810	860	---	860	---	830	610	550	400	560	840	860
5	800	860	950	880	850	840	630	520	370	570	830	---
6	900	850	910	---	840	790	640	490	390	580	820	860
7	860	860	860	---	830	780	640	460	420	590	1,080	880
8	830	---	850	---	830	750	640	450	430	580	890	860
9	820	860	850	---	830	740	640	465	445	560	920	820
10	810	830	810	---	840	760	650	460	455	540	---	770
11	820	830	800	---	850	750	610	430	425	550	820	830
12	---	---	---	---	850	760	---	360	385	570	780	860
13	830	840	---	---	860	800	540	350	375	610	850	820
14	820	850	810	---	850	830	510	380	360	590	900	880
15	840	830	810	---	850	830	470	430	350	600	860	1,020
16	830	820	820	---	860	840	450	435	365	610	830	910
17	820	830	840	---	850	830	470	435	365	640	820	850
18	820	830	850	---	840	820	500	445	375	650	---	880
19	830	810	850	---	840	800	520	450	---	650	870	890
20	810	810	870	---	850	---	540	465	500	710	920	850
21	810	810	870	---	---	---	540	---	440	680	---	830
22	830	820	880	---	860	840	530	---	445	720	840	850
23	830	810	880	---	860	840	530	480	460	710	950	870
24	830	800	890	---	840	840	500	460	465	720	840	850
25	830	800	870	---	820	830	500	420	465	750	820	850
26	---	---	---	---	820	810	500	385	465	850	850	830
27	820	840	940	---	820	---	500	340	485	760	860	---
28	---	850	880	---	790	800	500	350	485	730	860	830
29	820	870	---	---	770	820	500	350	---	710	850	840
30	830	860	860	---	---	810	510	370	480	710	920	850
31	840	---	850	---	---	760	---	370	---	700	960	---
MEAN	825	835	867	876	838	808	560	441	421	642	866	860

TEMPERATURE, WATER, DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	11.0	2.0	0.0	---	5.0	13.5	15.0	19.0	21.0	25.0	24.0
2	20.0	8.0	2.0	0.0	---	2.5	14.0	15.0	21.0	23.0	23.0	23.0
3	20.0	9.0	2.0	0.0	---	4.0	14.0	18.0	21.0	23.0	---	21.0
4	20.0	8.0	---	0.0	---	5.0	15.0	16.0	22.0	24.0	26.0	18.0
5	19.0	8.0	1.0	0.0	0.0	3.0	14.0	20.0	24.0	24.0	25.0	---
6	20.0	6.0	3.0	---	0.0	5.0	16.0	17.0	25.0	22.0	25.0	21.0
7	20.0	6.0	3.0	---	0.0	5.0	17.0	18.0	24.5	22.0	26.0	21.0
8	20.0	---	3.0	---	0.0	5.5	15.0	22.0	24.0	22.0	25.0	22.0
9	20.0	7.0	2.5	---	0.0	7.0	15.0	22.0	23.0	24.0	25.0	21.5
10	19.0	7.0	0.0	---	0.0	4.0	15.0	21.0	21.0	23.0	---	23.0
11	17.0	7.0	1.0	---	0.0	8.0	13.0	19.0	20.0	25.0	27.0	23.0
12	---	---	---	---	0.0	6.0	---	17.5	20.0	23.0	26.0	22.0
13	14.0	8.0	---	---	0.0	5.5	12.5	16.0	21.0	24.0	25.0	23.0
14	15.0	8.0	1.0	---	1.0	11.0	15.0	16.0	23.0	24.0	25.0	20.0
15	15.0	8.0	1.5	---	1.0	12.0	13.5	16.0	24.0	25.0	25.0	21.0
16	15.0	7.5	1.0	---	0.0	10.0	14.0	16.0	24.0	29.0	26.0	21.0
17	15.0	7.0	0.0	---	0.0	12.0	15.0	16.0	22.0	29.0	25.0	21.0
18	16.0	---	1.0	---	3.0	13.0	14.0	18.5	20.0	28.0	---	19.0
19	15.0	7.0	1.0	---	1.0	12.0	14.0	18.0	---	27.0	21.0	18.0
20	16.0	6.0	1.0	---	3.0	---	12.0	18.0	23.0	27.0	24.0	17.5
21	15.0	6.0	1.0	---	---	---	15.0	---	22.0	25.0	---	16.0
22	16.0	4.0	0.0	---	4.0	16.0	12.5	---	22.0	25.0	23.0	14.0
23	15.0	4.0	0.0	---	3.0	15.0	11.0	19.0	23.0	25.0	23.0	17.0
24	15.0	3.0	0.0	---	4.0	15.0	11.5	18.0	25.0	27.0	23.0	15.5
25	11.0	2.5	0.0	---	5.0	16.0	13.0	18.5	24.0	26.0	23.0	15.0
26	---	---	---	---	4.5	13.0	15.0	18.0	24.0	23.0	22.0	15.0
27	12.0	2.0	0.0	---	4.0	---	17.0	20.0	24.0	23.0	23.0	---
28	---	1.0	0.0	---	2.5	13.5	18.0	20.0	24.0	22.0	21.5	19.0
29	11.0	1.5	---	---	4.0	15.0	15.0	18.0	---	22.0	20.0	17.5
30	12.5	1.0	0.0	---	---	14.0	15.0	20.0	24.0	22.0	22.0	18.0
31	12.0	---	0.0	---	---	12.0	---	19.0	---	25.0	23.0	---
MEAN	16.3	5.9	1.0	0.0	1.7	9.5	14.3	18.1	22.6	24.3	24.0	19.5

## 09317800 ELECTRIC LAKE NEAR SCOFIELD, UT

LOCATION.--Lat 39°36'03", long 111°12'41", in NE $\frac{1}{4}$ NE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 14 S., R. 6 E., Emery County, Hydrologic Unit 14060009, 25 mi northwest of Huntington, 21 mi east of Fairview.

DRAINAGE AREA.--31.0 mi<sup>2</sup>.

PERIOD OF RECORD.--November 1973 to current year. Not published prior to 1986. Records available from PacifiCorp.

GAGE.--Elevation of gage is 8,300 ft above NGVD of 1929, PacifiCorp datum.

REMARKS.--Records good.

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

EXTREMES FOR CURRENT YEAR.--Maximum contents, 11,890 acre-ft Jun 19-24, elevation 8519.53 ft; minimum contents 8,173 acre-ft Mar 21, 22, elevation 8501.90 ft.

RESERVOIR STORAGE, ACRE FEET  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,136	8,433	8,233	8,186	8,320	8,192	8,229	9,363	11,680	11,850	10,850	9,757
2	9,114	8,433	8,196	8,197	8,315	8,188	8,246	9,408	11,700	11,830	10,790	9,741
3	9,090	8,437	8,220	8,205	8,313	8,184	8,296	9,492	11,720	11,820	10,720	9,724
4	9,062	8,439	8,218	8,212	8,313	8,180	8,343	9,630	11,740	11,810	10,660	9,707
5	9,028	8,437	8,214	8,218	8,309	8,179	8,393	9,791	11,760	11,800	10,610	9,691
6	8,992	8,433	8,212	8,222	8,305	8,179	8,439	9,961	11,770	11,780	10,560	9,674
7	8,956	8,429	8,216	8,228	8,301	8,177	8,489	10,130	11,780	11,760	10,520	9,660
8	8,920	8,425	8,222	8,233	8,301	8,175	8,552	10,300	11,790	11,730	10,470	9,643
9	8,885	8,422	8,222	8,239	8,300	8,175	8,605	10,460	11,800	11,700	10,430	9,626
10	8,847	8,422	8,222	8,243	8,296	8,175	8,645	10,610	11,810	11,670	10,380	9,612
11	8,820	8,420	8,220	8,246	8,290	8,175	8,677	10,760	11,820	11,640	10,370	9,593
12	8,796	8,416	8,214	8,248	8,286	8,175	8,708	10,890	11,830	11,600	10,290	9,579
13	8,771	8,412	8,214	8,252	8,281	8,177	8,747	10,970	11,840	11,580	10,240	9,562
14	8,745	8,408	8,218	8,256	8,275	8,179	8,794	11,010	11,850	11,540	10,210	9,548
15	8,722	8,408	8,228	8,258	8,260	8,180	8,837	11,050	11,850	11,510	10,180	9,529
16	8,698	8,404	8,231	8,262	8,241	8,182	8,881	11,080	11,860	11,490	10,160	9,513
17	8,673	8,404	8,235	8,263	8,224	8,186	8,930	11,130	11,860	11,470	10,130	9,498
18	8,651	8,402	8,239	8,267	8,218	8,186	8,982	11,180	11,880	11,450	10,100	9,480
19	8,628	8,399	8,241	8,271	8,214	8,180	9,022	11,240	11,890	11,420	10,080	9,471
20	8,603	8,395	8,239	8,275	8,211	8,175	9,056	11,290	11,890	11,380	10,060	9,459
21	8,581	8,389	8,239	8,281	8,205	8,173	9,088	11,340	11,890	11,360	10,030	9,443
22	8,556	8,376	8,239	8,284	8,203	8,173	9,104	11,370	11,890	11,330	10,010	9,428
23	8,531	8,355	8,233	8,290	8,201	8,175	9,108	11,400	11,890	11,310	9,980	9,414
24	8,508	8,338	8,229	8,294	8,199	8,180	9,112	11,420	11,890	11,290	9,955	9,398
25	8,485	8,320	8,228	8,303	8,196	8,188	9,120	11,440	11,880	11,270	9,930	9,383
26	8,462	8,305	8,229	8,311	8,194	8,203	9,134	11,470	11,870	11,250	9,902	9,369
27	8,443	8,290	8,224	8,317	8,194	8,216	9,164	11,490	11,870	11,220	9,877	9,353
28	8,435	8,269	8,209	8,320	8,194	8,222	9,217	11,540	11,860	11,150	9,850	9,339
29	8,427	8,254	8,194	8,324	8,194	8,222	9,267	11,600	11,860	11,070	9,824	9,326
30	8,427	8,239	8,184	8,324	---	8,222	9,330	11,630	11,860	11,000	9,797	9,312
31	8,429	---	8,184	8,322	---	8,222	---	11,660	---	10,920	9,774	---
MAX	9,136	8,439	8,241	8,324	8,320	8,222	9,330	11,660	11,890	11,850	10,850	9,757
MIN	8,427	8,239	8,184	8,186	8,194	8,173	8,229	9,363	11,680	10,920	9,774	9,312
(#)	8503.25	8502.25	8501.96	8502.69	8502.01	8502.16	8507.81	8518.51	8519.38	8515.28	8509.96	8507.72
(*)	-1479	-190	-55	+138	-128	+28	+1108	+2330	+200	-940	-1146	-462

CAL YR 2003.....(\*) +2004

WTR YR 2004.....(\*) -596

(#) Elevation, in feet, at end of month.

(\*) Change in contents, in acre-feet.

## 09317997 HUNTINGTON CREEK NEAR HUNTINGTON, UT

LOCATION.--Lat 39°23'07", long 111°05'15", in SE $\frac{1}{4}$ NE $\frac{1}{4}$ SW $\frac{1}{4}$ , sec. 36, T. 16 S., R. 7 E., Emery County, Hydrologic Unit 14060009, on right bank about 500 ft upstream from bridge to Deer Creek Mine, 8 mi northwest of Huntington.

DRAINAGE AREA.--178 mi<sup>2</sup>, approximately.

PERIOD OF RECORD.--October 1979 to current year. Water years 1981-85 not published, records available in office of PacifiCorp, located in Salt Lake City, Ut.

GAGE.--Water-stage recorder. Elevation of gage is 6,450 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. Small transmountain diversions to tributaries of San Pitch River (Sevier Lake Basin). Flow regulated by reservoirs above station.

COOPERATION.--Records collected by PacifiCorp.

AVERAGE DISCHARGE.--21 years, 73.9 ft<sup>3</sup>/s, 53,520 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,680 ft<sup>3</sup>/s, May 24, 1984, gage height, 4.96 ft; minimum discharge, 3.0 ft<sup>3</sup>/s, Feb 2-5, 1981.

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	34	20	e32	e11	e11	e18	24	60	58	44	95	42
2	38	21	e30	e11	e11	e17	29	71	67	42	95	45
3	33	22	e25	e11	e11	e17	42	89	80	43	95	50
4	34	24	e24	e11	e11	e17	41	98	85	43	62	53
5	36	26	e27	e11	e11	e17	38	111	79	43	47	51
6	40	26	e27	e11	e11	e17	34	122	77	44	47	50
7	36	27	e26	e11	e12	e16	36	115	74	58	46	51
8	24	27	e25	e11	e11	e16	40	109	73	66	44	49
9	28	27	e21	e11	e12	e16	40	116	71	68	44	50
10	28	27	e19	e11	e11	e16	43	110	73	70	44	50
11	27	26	e18	e11	e11	e16	36	116	67	67	47	50
12	26	26	e16	e11	e11	e16	36	96	67	67	50	50
13	25	29	e16	e11	e12	e16	42	89	66	73	53	49
14	24	28	e15	e11	e11	e16	49	98	62	89	56	52
15	22	28	e15	e11	e12	e16	47	102	66	89	56	76
16	25	28	e14	e11	e12	16	47	104	62	91	56	81
17	26	28	e14	e11	e12	16	51	117	63	96	51	82
18	25	27	e12	e11	e13	15	53	121	61	97	49	82
19	24	27	e12	e11	e13	15	45	136	58	90	49	80
20	25	26	e12	e11	e13	15	41	132	54	89	47	81
21	26	27	e12	e11	e14	15	40	127	53	58	47	84
22	29	23	e12	e11	e14	15	50	128	51	58	47	86
23	28	21	e12	e11	e15	15	45	126	37	53	47	85
24	28	21	e12	e11	e15	17	46	123	34	47	47	83
25	28	28	e12	e11	e15	19	46	122	34	46	36	84
26	29	27	e11	e11	e14	19	53	70	36	47	33	84
27	29	23	e11	e11	e16	16	64	65	34	47	29	83
28	28	22	e11	e11	e16	17	72	67	35	88	29	88
29	22	25	e11	e11	e16	18	71	75	40	99	27	108
30	23	29	e10	e11	---	16	61	68	45	97	29	108
31	21	---	e10	e11	---	14	---	62	---	94	31	---
TOTAL	871	766	524	341	367	505	1,362	3,145	1,762	2,103	1,535	2,067
MEAN	28.1	25.5	16.9	11.0	12.7	16.3	45.4	101	58.7	67.8	49.5	68.9
MAX	40	29	32	11	16	19	72	136	85	99	95	108
MIN	21	20	10	11	11	14	24	60	34	42	27	42
AC-FT	1,730	1,520	1,040	676	728	1,000	2,700	6,240	3,490	4,170	3,040	4,100
CAL YR	2003	TOTAL 12674	MEAN 34.7	MAX 158	MIN 10	AC-FT 25140						
WTR YR	2004	TOTAL 15348	MEAN 41.9	MAX 136	MIN 10	AC-FT 30440						

e Estimated

## 09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in SE $\frac{1}{4}$ SE $\frac{1}{4}$ SE $\frac{1}{4}$  sec. 14, T. 17 S., R. 4 E., Sanpete County, Hydrologic Unit 14060009, at east tunnel portal, 9.0 mi east of Ephraim.

PERIOD OF RECORD.--September 1949 to current year. Monthly discharge only for September 1949 to September 1960; figures of daily discharge available in Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder and masonry control. Datum of gage is 9,694.9 ft above NGVD of 1929. (Levels by U.S. Geological Survey, Topographic Division.)

REMARKS.--Records poor. Tunnel diverts from Cottonwood Creek drainage in Colorado River Basin to San Pitch River in the Great Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft<sup>3</sup>/s, June 6, 1964, gage height, 5.43 ft; no flow at times in some years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	0.03	0.21	22	e3.9	2.4	e0.01
2	---	---	---	---	---	---	0.02	1.2	37	e3.6	1.8	e0.01
3	---	---	---	---	---	---	0.02	2.5	54	e3.4	e1.9	e0.01
4	---	---	---	---	---	---	0.03	3.4	57	e3.2	e2.4	e0.01
5	---	---	---	---	---	---	0.03	9.4	56	e3.0	e2.4	e0.02
6	---	---	---	---	---	---	0.03	40	49	e2.9	e2.2	e0.01
7	---	---	---	---	---	---	0.04	56	41	3.0	e1.4	e0.01
8	---	---	---	---	---	---	0.57	66	32	2.9	e0.70	e0.01
9	---	---	---	---	---	---	0.02	72	27	2.8	e0.35	e0.01
10	---	---	---	---	---	---	0.02	74	21	2.7	e0.06	e0.01
11	---	---	---	---	---	---	0.02	57	17	2.7	e0.01	e0.02
12	---	---	---	---	---	---	0.02	27	15	2.6	e0.01	e0.03
13	---	---	---	---	---	---	0.02	17	16	2.6	e0.01	e0.02
14	---	---	---	---	---	---	0.03	13	16	2.6	e0.01	e0.02
15	---	---	---	---	---	---	0.04	12	15	2.6	e0.05	e0.05
16	---	---	---	---	---	---	0.04	19	13	2.6	e0.03	e0.04
17	---	---	---	---	---	---	0.08	33	14	2.6	e0.10	e0.05
18	---	---	---	---	---	---	0.14	58	16	2.5	e0.08	e0.04
19	---	---	---	---	---	---	0.10	66	13	2.4	e0.04	e0.20
20	---	---	---	---	---	---	0.09	58	12	2.3	e0.02	e0.16
21	---	---	---	---	---	---	0.06	58	11	2.3	e0.01	e0.11
22	---	---	---	---	---	---	0.05	55	9.6	2.3	e0.01	e0.08
23	---	---	---	---	---	---	0.05	47	8.7	2.2	e0.20	e0.04
24	---	---	---	---	---	---	0.04	42	8.1	1.6	e0.06	e0.02
25	---	---	---	---	---	---	0.03	39	7.7	1.4	e0.01	e0.01
26	---	---	---	---	---	---	0.04	42	7.7	1.3	e0.01	e0.01
27	---	---	---	---	---	---	0.03	55	6.9	1.1	e0.01	e0.01
28	---	---	---	---	---	---	0.05	52	e4.8	1.5	e0.01	e0.01
29	---	---	---	---	---	---	0.11	35	e4.6	2.0	e0.01	e0.01
30	---	---	---	---	---	---	0.15	23	e4.1	2.3	e0.01	e0.01
31	---	---	---	---	---	---	---	19	---	2.4	e0.01	---
TOTAL	---	---	---	---	---	---	2.00	1,151.71	616.2	77.3	16.32	1.05
MEAN	---	---	---	---	---	---	0.07	37.2	20.5	2.49	0.53	0.04
MAX	---	---	---	---	---	---	0.57	74	57	3.9	2.4	0.20
MIN	---	---	---	---	---	---	0.02	0.21	4.1	1.1	0.01	0.01
AC-FT	---	---	---	---	---	---	4.0	2,280	1,220	153	32	2.1

e Estimated

## 09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE $\frac{1}{4}$ SE $\frac{1}{4}$ SW $\frac{1}{4}$  sec. 2, T. 20 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on right bank 1.8 mi upstream from Dry Wash and 4.5 mi west of Ferron.

DRAINAGE AREA.--138 mi<sup>2</sup>.

PERIOD OF RECORD.--May 1911 to September 1923, October 1947 to current year. Monthly discharge only for some periods, published in WSP 1313.

Records for station at site 2 mi downstream published as Ferron Creek near Ferron, April 1909 to October 1911, not equivalent because of diversions 1.5 mi downstream from present site.

REVISED RECORDS.--WSP 1243: 1951(P). WSP 1313: 1920(M).

GAGE.--Water-stage recorder. Elevation of gage is 6,210 ft above NGVD of 1929, from topographic map. May 6, 1911 to September 30, 1923, nonrecording gages in vicinity of present site at different datums. December 19, 1947 to September 30, 1966, at site 1.5 mi downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Slight regulation by small reservoir above station (capacity not known). Greater part of flow diverted during irrigation season by Upper North and Upper South Canals, 1.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 4,180 ft<sup>3</sup>/s, Aug 27, 1952, gage height, 9.71 ft, site and datum then in use, from rating table extended above 400 ft<sup>3</sup>/s, on basis of slope-area measurements at gage heights, 8.70 ft and 9.71 ft, site and datum then in use; no flow Oct 19, 20, 21, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 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 8	2315	*366	*4.27				

Minimum daily discharge, 5.0 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	12	14	e7.6	e5.8	e8.0	e7.4	35	77	218	82	30	16
2	12	13	e7.6	e5.8	e7.3	e7.4	47	102	236	79	32	15
3	13	14	e7.4	e5.6	e7.6	e8.0	52	133	261	75	38	15
4	12	e11	e7.2	e5.2	e8.0	e9.0	40	182	265	73	35	16
5	13	e10	e7.2	e5.0	e8.2	11	43	214	273	69	46	17
6	13	e9.7	e7.8	e5.2	e7.8	11	43	216	268	65	34	16
7	13	e12	e7.2	e5.4	e7.8	12	48	219	254	62	30	15
8	13	15	e6.7	e5.3	e7.8	16	52	251	248	60	27	15
9	12	15	e6.4	e5.3	e7.6	20	48	288	230	58	26	15
10	12	16	e5.8	e5.6	e7.4	21	43	294	215	57	25	15
11	12	e12	e5.8	e5.6	e7.6	20	36	278	195	54	24	14
12	12	e9.8	e5.6	e5.8	e7.0	20	38	236	183	53	23	15
13	12	11	e5.6	e5.6	e7.0	20	48	200	176	52	22	15
14	11	9.4	e6.0	e5.6	e7.2	20	54	182	169	55	22	14
15	13	8.8	e6.3	e5.8	e7.5	20	51	182	164	53	22	14
16	13	8.9	e5.3	e6.0	e7.8	18	53	203	158	57	22	14
17	14	8.6	e5.5	e6.4	e8.2	18	61	231	154	71	23	13
18	14	5.4	e5.5	e6.6	e8.4	19	63	260	156	55	23	13
19	13	8.6	e5.6	e7.0	e8.6	22	53	274	138	50	22	16
20	13	10	e5.8	e7.3	e8.3	27	48	264	126	46	21	16
21	13	10	e6.0	e7.4	e8.5	32	49	260	118	44	21	15
22	13	8.6	e6.0	e7.2	e8.7	36	52	264	112	42	20	15
23	13	e6.7	e6.0	e7.0	e8.9	39	57	258	106	40	20	15
24	12	e6.8	e5.7	e7.6	e8.1	41	59	260	102	38	19	14
25	12	e6.8	e6.0	e8.2	e7.2	44	63	249	100	38	19	14
26	12	e7.0	e6.3	e8.0	e7.2	39	69	239	98	37	18	14
27	13	e7.2	e5.7	e7.8	e8.0	27	81	262	97	36	18	14
28	13	e7.2	e5.6	e8.0	e7.6	22	95	274	93	35	17	14
29	13	e7.2	e5.7	e8.0	e7.4	21	87	265	96	33	17	17
30	13	e7.4	e5.9	e8.2	---	23	77	227	90	31	17	17
31	13	---	e6.1	e8.4	---	29	---	214	---	30	17	---
TOTAL	392	297.1	192.9	201.7	226.7	679.8	1,645	7,058	5,099	1,630	750	448
MEAN	12.6	9.90	6.22	6.51	7.82	21.9	54.8	228	170	52.6	24.2	14.9
MAX	14	16	7.8	8.4	8.9	44	95	294	273	82	46	17
MIN	11	5.4	5.3	5.0	7.0	7.4	35	77	90	30	17	13
AC-FT	778	589	383	400	450	1,350	3,260	14,000	10,110	3,230	1,490	889

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-2004, BY WATER YEAR (WY)

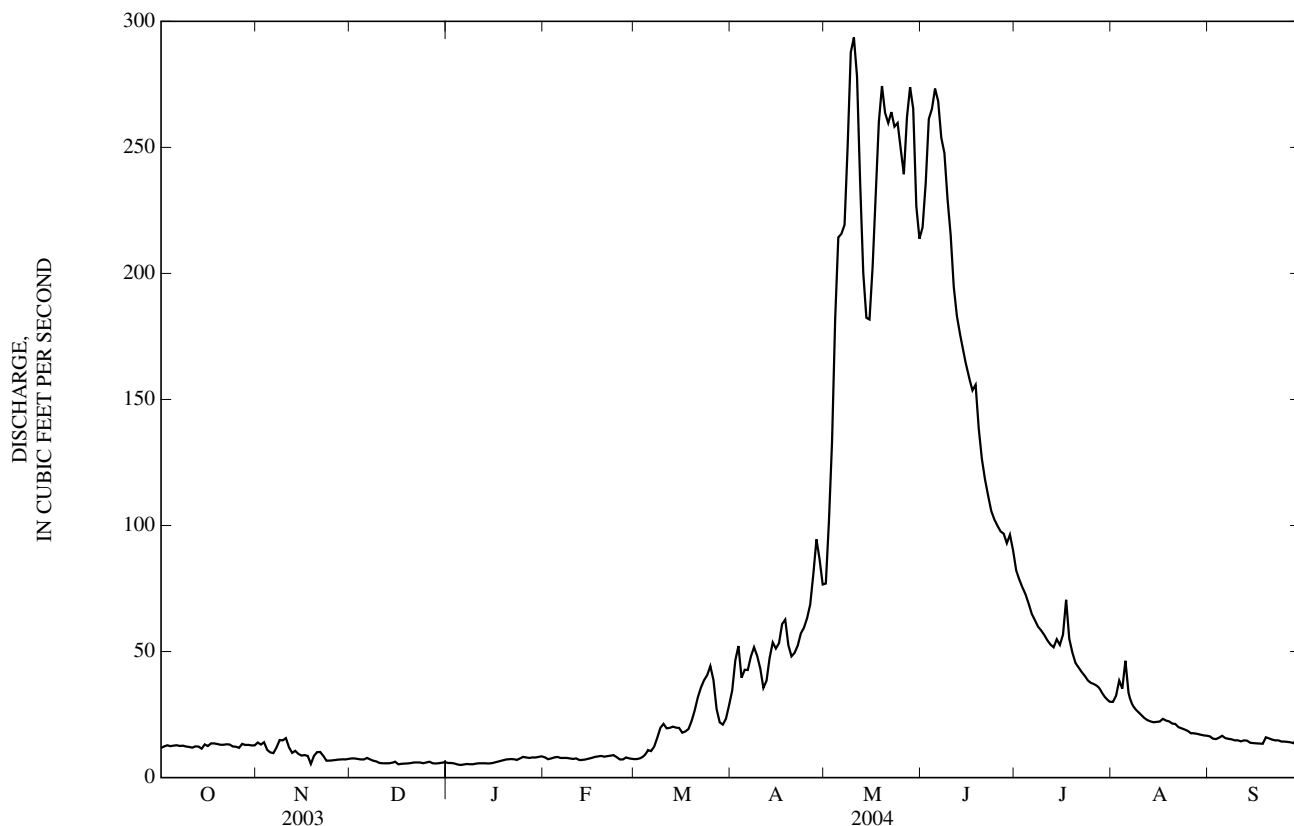
MEAN	18.0	13.6	10.6	9.04	10.1	14.2	44.5	221	284	96.4	40.7	23.9
MAX	70.2	32.2	21.5	19.7	30.4	26.7	128	486	732	404	128	51.0
(WY)	(1917)	(1985)	(1985)	(1998)	(1998)	(1998)	(1985)	(1952)	(1984)	(1983)	(1983)	(1952)
MIN	7.59	6.40	4.27	3.00	4.61	5.02	13.7	44.8	40.3	17.2	12.0	9.30
(WY)	(1960)	(1995)	(1963)	(1963)	(1978)	(1977)	(1967)	(1977)	(1977)	(1977)	(1977)	(1994)



09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1912-23, 1948-2004	
ANNUAL TOTAL	17,920.3		18,620.2			
ANNUAL MEAN	49.1		50.9		65.6	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	535	May 27	294	May 10	1,240	Jun 7, 1984
LOWEST DAILY MEAN	5.0	Jan 2	5.0	Jan 5	1.0	Mar 22, 1912
ANNUAL SEVEN-DAY MINIMUM	5.1	Feb 23	5.3	Jan 3	2.6	Jan 4, 1960
ANNUAL RUNOFF (AC-FT)	35,540		36,930		47,560	
10 PERCENT EXCEEDS	118		187		193	
50 PERCENT EXCEEDS	13		16		18	
90 PERCENT EXCEEDS	5.4		6.1		8.0	

e Estimated



## 09328060 SAN RAFAEL RIVER AT FULLER BOTTOM, NEAR CASTLE DALE, UT

LOCATION.--Lat 39°07'05", long 110°51'18", in NE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub> sec. 1, T. 20 S., R. 9 E., Carbon County, Hydrologic Unit 14060009, on left bank at Fuller Bottom, 14.3 mi southeast of Castle Dale.

DRAINAGE AREA.--965 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 2003 to September 2004.

GAGE.--Water-stage recorder. Elevation of gage is 5,287 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. There are several diversions above the station for irrigation including transmountain diversions to the Sevier Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, unknown, Sep 29, 2004, gage height, 11.88 ft; minimum daily discharge, 0.49 ft<sup>3</sup>/s, Apr 19, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, Sep 29, gage height, 11.88 ft; minimum daily discharge, 0.49 ft<sup>3</sup>/s, Apr 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e9.0	11	e8.0	e6.0	e7.0	e8.0	e12	e11	22	23	7.6	6.3
2	e10	12	e8.0	e5.0	e7.0	e8.0	e11	e10	58	18	5.0	4.9
3	e10	11	e9.0	e5.0	e6.0	e8.0	e9.0	e9.0	166	23	9.6	5.3
4	e11	12	e9.0	e4.0	e7.0	e9.0	e8.0	e9.0	239	22	14	5.8
5	e11	13	e8.0	e4.0	e8.0	e9.0	e8.0	e10	269	26	14	9.1
6	e11	12	e9.0	e4.0	e8.0	e9.0	7.9	e11	257	18	12	6.6
7	e10	12	e9.0	e5.0	e7.0	e9.0	19	e10	255	16	14	4.3
8	e8.0	13	e8.0	e5.0	e7.0	e9.0	99	e11	228	9.7	8.0	4.7
9	e7.0	13	e8.0	e5.0	e6.0	e10	9.6	e10	210	6.7	6.1	2.8
10	e6.0	14	e7.0	e5.0	e6.0	e10	1.8	e9.0	186	8.4	5.9	3.8
11	e5.0	16	e7.0	e5.0	e7.0	e10	1.3	6.9	159	12	6.8	3.9
12	e3.0	16	e7.0	e6.0	e7.0	e10	1.3	7.6	108	12	4.7	3.2
13	e2.0	e15	e7.0	e6.0	e7.0	e9.0	0.76	11	91	9.8	4.6	2.7
14	e1.0	e15	e7.0	e5.0	e7.0	e9.0	0.79	11	73	9.2	4.5	3.7
15	e0.50	e16	e8.0	e6.0	e8.0	e9.0	0.66	9.0	53	8.8	3.1	4.6
16	1.2	e16	e7.0	e5.0	e8.0	e10	0.72	9.4	44	7.8	2.0	5.0
17	1.7	e15	e6.0	e6.0	e8.0	e11	0.57	7.2	38	e260	5.9	5.6
18	1.7	e14	e7.0	e7.0	e8.0	e12	0.60	6.9	49	e290	26	6.0
19	2.1	e13	e7.0	e6.0	e8.0	e12	0.49	9.2	69	20	7.7	5.5
20	2.7	e11	e8.0	e6.0	e8.0	e13	0.93	11	50	14	5.9	6.0
21	3.4	e9.0	e7.0	e7.0	e8.0	e14	1.2	13	38	11	6.7	5.7
22	3.7	e9.0	e7.0	e6.0	e8.0	e13	260	10	49	13	13	6.2
23	4.7	e8.0	e6.0	e6.0	e8.0	e12	39	11	42	9.7	11	6.2
24	6.4	e9.0	e6.0	e5.0	e9.0	e12	10	13	27	11	5.9	6.1
25	8.1	e9.0	e6.0	e6.0	e9.0	e12	7.0	12	22	8.2	4.1	6.9
26	6.2	e8.0	e6.0	e7.0	e8.0	e11	5.3	11	31	6.8	5.3	5.2
27	5.5	e7.0	e5.0	e6.0	e7.0	e10	4.4	10	26	8.6	5.4	4.4
28	6.1	e7.0	e5.0	e6.0	e7.0	e10	e6.0	8.0	20	8.0	4.7	4.1
29	8.1	e8.0	e5.0	e6.0	e7.0	e9.0	e9.0	9.0	e250	6.9	6.3	e40
30	11	e8.0	e6.0	e6.0	---	e10	e10	8.6	e190	7.6	9.5	e130
31	11	---	e6.0	e7.0	---	e11	---	14	---	9.5	8.8	---
MEAN	6.07	11.7	7.06	5.61	7.45	10.3	18.2	9.96	111	29.5	8.00	10.5
MAX	11	16	9.0	7.0	9.0	14	260	14	269	290	26	130
MIN	0.50	7.0	5.0	4.0	6.0	8.0	0.49	6.9	20	6.7	2.0	2.7

e Estimated

09328060 SAN RAFAEL RIVER AT FULLER BOTTOM NEAR CASTLE DALE, UT—Continued

## PRECIPITATION RECORDS

PERIOD OF RECORD.--April 6, 2004 to September 30, 2004.

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 0.31 in., Sep 29, 2004.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 0.31 in., Sep 29.

PRECIPITATION, TOTAL, INCHES  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
2	---	---	---	---	---	---	---	0.00	0.00	0.00	0.01	0.00
3	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00
4	---	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.24
5	---	---	---	---	---	---	---	0.00	0.00	0.00	0.04	0.00
6	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.05	0.00
7	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
8	---	---	---	---	---	---	0.10	0.00	0.00	0.00	0.00	0.00
9	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
10	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
11	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
12	---	---	---	---	---	---	0.00	0.01	0.00	0.00	0.00	0.05
13	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
14	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
15	---	---	---	---	---	---	0.00	0.00	0.01	0.00	0.00	0.00
16	---	---	---	---	---	---	0.00	0.00	0.03	0.02	0.00	0.00
17	---	---	---	---	---	---	0.00	0.00	0.01	0.12	0.01	0.00
18	---	---	---	---	---	---	0.00	0.00	0.05	0.07	0.00	0.00
19	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.05
20	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
21	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
22	---	---	---	---	---	---	0.17	0.07	0.00	0.00	0.00	0.00
23	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
24	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
25	---	---	---	---	---	---	0.00	0.00	0.02	0.00	0.00	0.00
26	---	---	---	---	---	---	0.00	0.00	0.01	0.04	0.00	0.00
27	---	---	---	---	---	---	0.00	0.00	0.00	0.05	0.00	0.00
28	---	---	---	---	---	---	0.00	0.00	0.00	0.00	0.00	0.00
29	---	---	---	---	---	---	0.04	0.03	0.05	0.00	0.00	0.31
30	---	---	---	---	---	---	0.07	0.00	0.00	0.00	0.00	0.02
31	---	---	---	---	---	---	---	0.00	---	0.00	0.00	---
TOTAL	---	---	---	---	---	---	---	0.11	0.18	0.30	0.11	0.67
WTR YR 2004	TOTAL 1.75											

## 09328400 SAN RAFAEL RIVER BELOW I-70, NEAR GREEN RIVER, UT

LOCATION.--Lat 38°54'32", long 110°22'51", in SE<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub> sec. 9, T. 22 S., R. 14 E., Emery County, Hydrologic Unit 14060009, on left bank 0.5 mi below I-70, 0.4 mi west of State Highway 24, and 11 mi west of Green River.

DRAINAGE AREA.--1,646 mi<sup>2</sup>.

PERIOD OF RECORD.--October 6, 2003 to September 2004 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 4,270 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated daily discharges, which are poor. There are several diversions above the station for irrigation including transmountain diversions to the Sevier Basin.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 979 ft<sup>3</sup>/s, Jul 19, 2004, gage height, 10.25 ft; no flow several days in Aug and Sep 2004.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 979 ft<sup>3</sup>/s, Jul 19, gage height, 10.25 ft; no flow several days in Aug and Sep.

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	---	3.2	e8.0	e8.2	e38	62	8.5	19	4.9	177	2.0	0.00
2	---	3.3	e7.8	e8.5	e34	31	9.1	18	4.6	43	1.9	0.00
3	---	3.4	e7.6	e8.7	42	31	8.6	15	7.1	23	1.7	0.00
4	---	3.6	e7.4	e7.6	44	25	11	13	42	18	15	3.5
5	---	3.6	e7.8	e6.8	45	23	11	11	75	17	21	3.5
6	e0.90	3.7	e8.2	e7.1	46	22	12	11	84	15	19	4.7
7	0.91	3.9	e8.4	e7.5	44	20	9.4	10	78	15	77	4.0
8	0.92	5.0	e8.8	e7.5	45	18	20	13	80	12	36	3.1
9	0.90	8.0	e8.2	e7.8	49	18	78	14	74	9.8	9.1	3.3
10	0.97	8.4	e7.8	e8.0	48	18	53	12	70	8.0	5.3	2.6
11	0.94	10	e7.8	e8.0	50	19	25	13	68	5.7	3.4	2.2
12	1.1	10	e7.4	e7.6	46	18	16	12	62	4.4	2.4	1.8
13	1.3	13	e7.6	e7.4	42	17	13	13	e58	3.3	1.8	1.3
14	1.4	12	e7.8	e7.2	41	15	11	13	e50	3.8	1.3	0.23
15	1.6	14	e8.0	e7.0	42	14	9.9	11	e55	4.0	0.76	0.00
16	1.7	16	e7.7	e7.0	44	13	8.5	14	47	3.0	0.00	0.00
17	1.7	12	e7.7	e7.0	46	12	7.7	14	42	5.5	1.8	0.00
18	1.8	11	e7.7	e8.0	47	12	7.1	12	35	25	1.5	0.00
19	1.9	12	e7.9	e9.0	40	13	6.6	12	38	388	1.00	0.00
20	1.9	10	e8.2	e12	9.8	13	6.6	5.4	45	37	0.00	0.00
21	2.1	10	e8.4	e11	9.8	11	6.4	3.8	42	16	1.6	0.00
22	2.1	11	e8.6	e10	12	11	7.0	3.8	33	10	2.6	1.2
23	2.2	e9.0	e8.1	e10	12	11	190	5.4	27	7.8	2.1	2.4
24	2.3	e7.6	e8.3	e15	78	10	130	6.3	31	6.5	1.8	2.4
25	2.3	e7.4	e8.5	e14	138	10	51	5.1	25	6.2	2.2	2.6
26	2.5	e7.2	e8.7	e13	108	9.8	25	5.5	20	4.7	3.2	2.6
27	2.7	e7.2	e8.3	e12	74	9.3	18	6.0	19	4.6	2.8	2.6
28	2.8	e7.4	e7.9	e12	45	9.0	15	5.7	24	3.9	2.1	2.6
29	3.0	e7.6	e7.7	e18	44	9.7	13	5.8	21	3.1	1.5	3.1
30	2.9	e7.4	e7.7	e28	---	9.0	29	5.8	303	2.7	0.39	207
31	2.9	---	e7.9	e38	---	8.0	---	4.9	---	2.7	0.00	---
MEAN	1.84	8.26	8.00	10.9	47.0	16.8	27.2	10.1	52.2	28.6	7.17	8.56
MAX	3.00	16	8.8	38	138	62	190	19	303	388	77	207
MIN	0.90	3.2	7.4	6.8	9.8	8.0	6.4	3.8	4.6	2.7	0.00	0.00

e Estimated

## 09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT

LOCATION.--Lat 38°51'30", long 110°22'10", in SE<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>NW<sup>1</sup>/<sub>4</sub> sec. 34, T. 22 S., R. 14 E., Emery County, Hydrologic Unit 14060009, on left bank 300 ft upstream from bridge on State Highway 24, 14.0 mi southwest of Green River, and 34.3 mi upstream from mouth.

DRAINAGE AREA.--1,628 mi<sup>2</sup>.

## WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1909 to September 1918, September 1919 to July 1920 (gage heights only), October 1945 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 4,190 ft above NGVD of 1929, from topographic map. May 5, 1909 to September 10, 1918, staff gage, and September 10, 1919 to July 10, 1920, tape-weight gage. November 29, 1945 to July 7, 1976, water-stage recorder at various sites and datums about 1 mi upstream.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 42,000 acres. Several small transmountain diversions from tributaries for irrigation in Sevier Lake Basin, and some storage since November 3, 1965, in Joes Valley Reservoir (see station 09323900).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,000 ft<sup>3</sup>/s, Sep 2, 1909, gage height, 12.7 ft, site and datum then in use, from rating curve extended above 3,100 ft<sup>3</sup>/s; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 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)
Sep 30	2345	*639	*5.73				

No flow on many days in Oct, Nov, and Sep.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	e7.8	e8.0	e47	68	13	10	1.4	128	0.50	e0.02
2	0.00	0.00	e7.6	e8.3	e56	37	13	10	1.3	26	0.49	e0.01
3	0.00	0.00	e7.4	e8.5	e61	37	11	7.7	1.4	12	0.47	0.00
4	0.00	0.00	e7.2	e7.4	e68	32	13	5.7	16	7.4	2.9	e0.04
5	0.00	0.00	e7.6	e6.6	72	29	13	4.1	54	7.3	11	0.08
6	0.00	0.00	e8.0	e6.9	66	27	14	2.6	68	6.8	4.9	e0.03
7	0.00	0.00	e8.2	e7.3	63	26	13	1.9	64	6.4	29	0.23
8	0.00	0.00	e8.6	e7.3	62	24	20	1.4	67	4.8	32	e0.01
9	0.00	e1.8	e8.0	e7.6	69	24	49	3.0	63	3.0	4.4	0.00
10	0.00	4.5	e7.6	e7.8	67	24	61	1.9	60	2.0	1.4	0.00
11	0.00	6.9	e7.6	e7.8	71	26	26	1.8	59	1.3	0.71	0.00
12	0.00	7.4	e7.2	e7.4	64	25	17	1.8	53	0.97	0.41	0.00
13	0.00	10	e7.4	e7.2	59	24	12	1.8	42	0.86	0.33	0.00
14	0.00	10	e7.6	e7.0	59	22	9.7	1.4	33	0.82	0.31	0.00
15	0.00	11	e7.8	e6.8	64	20	7.6	1.3	29	0.78	0.30	0.00
16	0.00	14	e7.5	e6.8	69	20	5.5	2.2	23	0.73	0.26	0.00
17	0.00	11	e7.5	e6.8	74	18	3.5	1.7	20	1.2	0.26	0.00
18	0.00	9.4	e7.5	e7.8	72	19	e1.9	1.4	17	0.70	0.25	0.00
19	0.00	9.7	e7.7	e8.8	76	18	e1.3	1.3	17	185	0.24	0.00
20	0.00	9.3	e8.0	e12	75	19	1.2	1.4	22	27	0.22	0.00
21	0.00	9.4	e8.2	e11	76	18	1.3	1.3	22	9.2	0.20	0.00
22	0.00	10	e8.4	e10	81	18	7.8	1.3	16	5.3	0.21	0.00
23	0.00	8.9	e7.9	e10	84	17	71	1.3	13	2.9	0.19	0.00
24	0.00	7.4	e8.1	e15	83	17	103	1.6	15	1.6	0.16	0.00
25	0.00	e7.2	e8.3	e14	138	17	41	1.6	12	1.3	0.16	0.00
26	0.00	e7.0	e8.5	e13	111	17	17	1.4	9.3	0.87	0.12	0.00
27	0.00	e7.0	e8.1	e12	81	16	11	2.0	8.1	0.70	0.14	0.00
28	0.00	e7.2	e7.7	e12	55	16	7.6	1.4	9.5	0.74	0.14	0.00
29	0.00	e7.4	e7.5	e18	46	16	5.5	1.4	11	0.58	0.09	0.00
30	0.00	e7.2	e7.5	e28	---	16	23	1.4	103	0.59	0.07	e60
31	0.00	---	e7.7	e38	---	15	---	1.3	---	0.52	0.05	---
TOTAL	0.00	183.70	241.7	335.1	2,069	722	593.9	80.4	930.0	447.36	91.88	60.42
MEAN	0.00	6.12	7.80	10.8	71.3	23.3	19.8	2.59	31.0	14.4	2.96	2.01
MAX	0.00	14	8.6	38	138	68	103	10	103	185	32	60
MIN	0.00	0.00	7.2	6.6	46	15	1.2	1.3	1.3	0.52	0.05	0.00
AC-FT	0.00	364	479	665	4,100	1,430	1,180	159	1,840	887	182	120

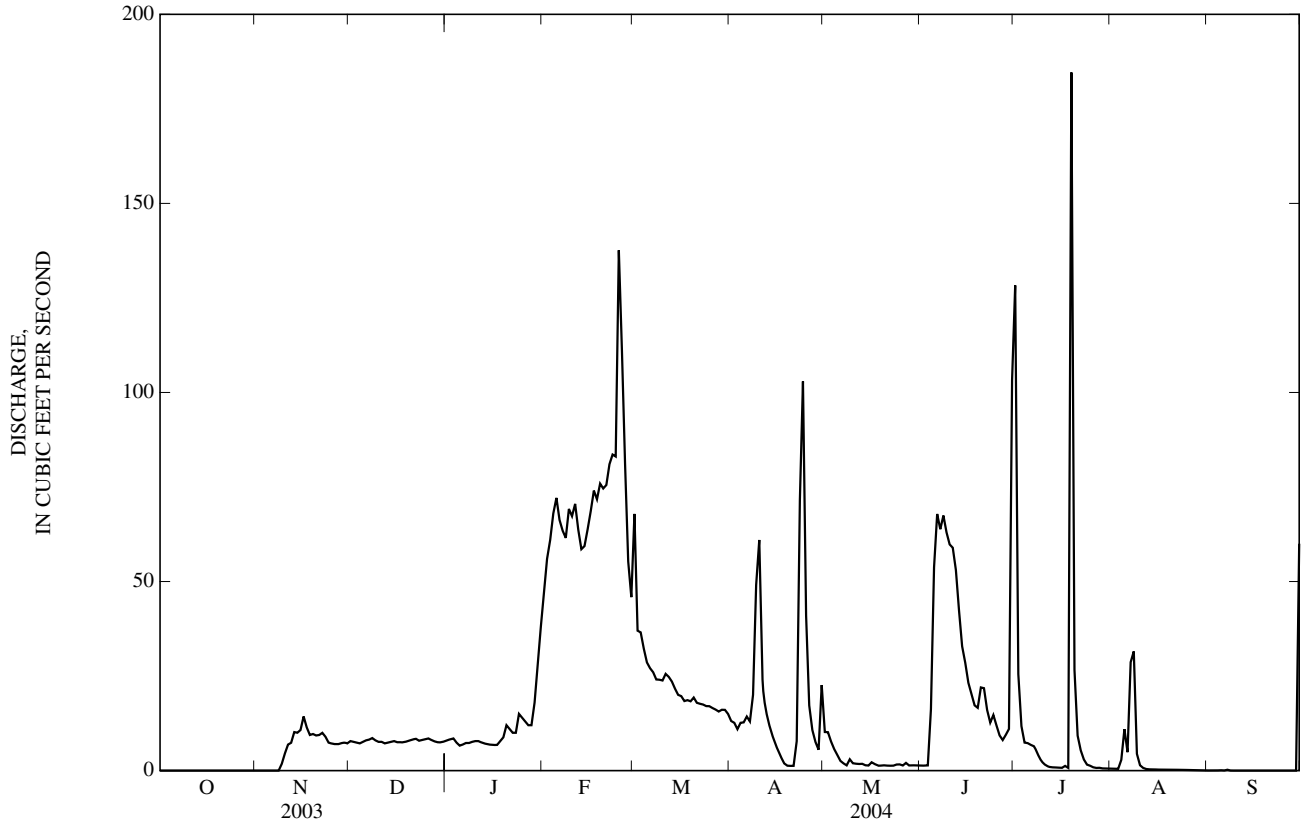
## STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-18, 1946-2004, BY WATER YEAR (WY)

MEAN	88.9	65.5	45.3	42.2	69.2	102	99.0	282	524	148	85.7	73.9
MAX	848	358	125	224	200	729	748	1,626	2,772	965	344	309
(WY)	(1917)	(1958)	(1910)	(1911)	(1910)	(1910)	(1910)	(1914)	(1983)	(1983)	(1916)	(1961)
MIN	0.00	5.68	7.80	10.8	14.5	19.2	5.41	1.58	1.09	0.13	0.38	0.11
(WY)	(2004)	(1978)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(1977)	(2003)	(1960)	(1956)

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT—Continued

SUMMARY STATISTICS	FOR 2003 CALENDAR YEAR		FOR 2004 WATER YEAR		WATER YEARS 1910-18, 1946-2004	
ANNUAL TOTAL	3,060.18		5,755.46		135	
ANNUAL MEAN	8.38		15.7		483	
HIGHEST ANNUAL MEAN					11.8 1984	
LOWEST ANNUAL MEAN					7,300 Oct 8, 1916	
HIGHEST DAILY MEAN	118	Aug 17	185	Jul 19	0.00	Aug 24, 1910
LOWEST DAILY MEAN	0.00	Jul 20	0.00	Oct 1	0.00	Aug 15, 1915
ANNUAL SEVEN-DAY MINIMUM	0.00	Jul 20	0.00	Oct 1		
ANNUAL RUNOFF (AC-FT)	6,070		11,420		97,960	
10 PERCENT EXCEEDS	16		59		295	
50 PERCENT EXCEEDS	5.6		7.4		48	
90 PERCENT EXCEEDS	0.00		0.00		9.3	

e Estimated



## 09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--November 1946 to September 1949, October 1950 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July to September 1949, November 1950 to September 1962, October 1964 to September 1979, daily, March 1982 to current year.

WATER TEMPERATURE: July to September 1949, October 1950 to September 1962, October 1964 to September 1977

SUSPENDED-SEDIMENT DISCHARGE: March 1948 to September 1949, October 1950 to September 1959.

REMARKS.--Unpublished daily records of specific conductance obtained before water year 1965 were included in the determination of extremes for period of daily record and are available in files of district office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily observed (water years 1949, 1951-70, 1974-77, 1982 to current year), 7,230 microsiemens/cm, Jul 15, 1954 and Jun 29, 1977; minimum daily observed (water years 1949, 1951-77, 1982 to current year), 650 microsiemens/cm, Jun 29, 1984.

WATER TEMPERATURE: Maximum (water years 1949, 1951-61, 1966-77), 35.0°C, Jul 11, 1954; minimum, 0.0°C, on many days during winter period each year.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum observed, 5,110 microsiemens/cm, Jun 3; minimum observed, 780 microsiemens/cm, Jun 11.

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

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unfiltered, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
FEB 25...	0930	3.46	140	7.5	2,100	10.0	1.5	1,600
APR 19...	1050	1.76	1.3	7.9	3,900	12.5	11.0	3,400
JUN 03...	0900	1.73	1.3	7.8	5,050	21.0	16.0	4,790
JUL 27...	0830	1.66	.67	7.9	3,550	26.5	26.5	3,060

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS  
WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004  
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,950	---	---	---	3,090	---	3,480	2,830	4,830	1,340	---	---
2	---	3,060	---	---	---	2,600	3,380	2,940	3,040	1,760	---	---
3	---	---	2,860	---	---	---	3,290	3,490	5,110	1,760	---	---
4	---	---	---	2,870	---	---	3,170	3,420	3,220	2,530	2,830	---
5	2,970	---	---	---	3,180	---	3,170	3,570	1,180	2,640	---	---
6	---	---	---	---	---	---	3,060	3,660	950	2,550	---	---
7	---	2,840	2,720	---	---	---	3,100	3,150	860	2,480	1,860	---
8	---	---	---	3,080	---	3,260	2,760	2,910	920	2,680	---	---
9	2,940	2,990	---	---	3,160	---	2,870	2,630	830	2,650	1,550	---
10	---	---	---	---	---	---	1,810	2,820	930	2,670	---	---
11	---	---	2,830	---	---	3,360	1,470	3,070	780	2,520	---	---
12	3,000	---	---	---	3,070	---	2,270	3,530	880	2,460	---	3,130
13	---	3,270	---	---	---	---	2,240	3,640	860	2,520	---	---
14	---	---	2,800	3,450	---	---	2,630	3,760	1,030	2,530	2,940	---
15	---	---	---	---	---	3,200	2,370	3,660	1,070	2,610	---	---
16	3,010	2,930	---	3,340	3,170	---	2,230	3,470	1,360	---	3,000	3,230
17	---	---	---	---	---	---	2,670	3,550	1,400	---	---	---
18	---	---	3,040	---	---	3,260	2,860	3,360	1,440	---	---	---
19	2,980	---	---	3,250	---	---	3,140	3,290	---	---	3,030	---
20	---	2,680	---	---	3,100	---	3,510	3,410	1,620	1,840	---	3,130
21	---	---	3,140	---	---	---	3,570	---	1,810	---	---	---
22	---	---	---	3,260	---	3,450	3,380	---	1,970	---	2,940	---
23	2,990	2,900	---	---	---	---	3,310	3,280	2,060	---	---	---
24	---	---	3,180	---	---	---	1,430	4,430	1,870	2,380	---	3,090
25	---	---	---	3,310	2,830	3,430	1,590	3,350	2,010	---	---	---
26	---	---	---	---	---	---	1,700	3,230	1,910	---	---	3,060
27	3,030	---	---	---	1,920	---	1,950	3,190	1,910	2,460	3,120	---
28	---	3,100	2,810	3,350	---	---	2,070	3,050	1,830	---	---	---
29	---	---	---	---	---	3,650	2,360	3,290	1,710	---	3,230	2,990
30	3,070	3,190	---	---	---	---	2,210	3,310	1,840	---	---	---
31	---	---	2,760	---	---	3,540	---	3,110	---	2,780	---	---
MEAN	2,990	3,000	2,900	3,240	2,940	3,310	2,640	3,320	1,770	2,380	2,720	3,100