09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE

LOCATION.--Lat 39°07'58", long 109°01'35", in SE¼NW¼ sec.5, T.11 S., R.104 W., Mesa County, Hydrologic Unit 14010005, on right bank 0.5 mi downstream from McDonald Creek, 1.7 mi upstream from Colorado-Utah State line, and 12 mi southwest of Mack.

DRAINAGE AREA.--17,843 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1951 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09163500

REVISED RECORDS.--WRD Colo. 1974: Drainage area.

GAGE.--Water-stage recorder with satellite telemetry and crest-stage gage. Elevation of gage is 4,325 ft above NGVD of 1929, from topographic map. May 1951 to Oct. 1979, water-stage recorder at site 5.7 mi upstream at different datum. Oct. 1979 to Mar. 1995, water stage recorder at site 0.2 mi downstream at same datum.

REMARKS.--Records good except for extimated daily discharges, which are fair. Natural flow of stream affected by transmountain diversions, storage reservoirs, power development, and diversions for irrigation. (Records include all return flow from irrigated areas).

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,530	3,040	2,180	1,930	1,820	1,930	1,930	4,280	22,900	4,280	2,750	2,840
2	2,490	2,950	2,190	1,850	1,890	1,860	1,850	3,910	24,500	4,130	2,600	2,820
3	2,930	2,790	e2,250	1,870	1,940	1,800	1,830	3,570	23,900	3,970	2,560	2,730
4	3,540	2,720	e2,350	1,800	1,920	1,780	2,070	3,740	19,500	3,930	2,560	2,500
5	2,980	e2,690	2,180	1,930	1,860	1,770	2,160	4,410	16,600	4,040	2,490	2,580
6	2,760	e2,710	2,130	1,990	1,750	1,840	2,120	4,310	14,200	3,980	2,490	2,830
7	2,700	e2,670	2,170	1,960	1,720	1,810	1,970	3,800	11,900	3,790	2,440	3,840
8	2,620	2,730	2,130	1,920	1,560	1,920	1,680	3,450	10,600	3,630	2,410	3,760
9	2,520	3,790	e2,030	1,840	1,530	1,850	1,630	3,440	9,630	3,340	2,430	4,000
10	2,450	3,570	e2,010	1,840	1,520	1,850	1,420	3,970	9,480	3,030	2,440	6,030
11	2,370	3,120	1,840	1,900	1,610	1,870	1,350	3,590	9,460	2,930	2,370	6,860
12	2,300	2,860	1,920	1,970	1,750	1,930	1,380	3,620	9,060	2,830	2,260	5,530
13	2,240	2,740	1,900	1,980	1,840	2,020	1,670	3,400	9,010	2,740	2,220	4,670
14	2,260	2,630	1,940	1,940	1,940	2,140	1,970	3,470	8,890	2,750	2,180	4,330
15	2,240	2,650	2,010	1,890	2,200	2,170	2,370	3,930	8,320	2,730	2,210	4,160
16	2,210	2,650	1,940	1,890	2,140	2,330	3,030	5,790	8,230	2,620	2,580	3,960
17	2,110	2,600	1,950	1,860	2,010	2,350	2,880	7,530	8,280	2,550	2,730	3,760
18	2,110	2,480	1,970	1,790	1,900	2,230	2,540	9,510	7,590	2,650	2,680	3,530
19	2,110	2,470	2,050	1,840	1,880	2,130	2,440	11,900	7,280	2,600	2,860	3,390
20	2,090	2,400	2,010	1,760	1,830	2,110	2,340	12,400	7,200	2,660	3,100	3,560
21	2,060	2,210	1,890	1,780	1,760	2,010	2,050	12,000	7,330	2,670	2,990	3,520
22	2,070	2,230	1,850	1,830	1,730	1,980	1,910	12,100	6,970	2,590	2,680	3,470
23	2,090	2,280	1,930	1,860	1,780	1,940	2,020	12,800	6,500	2,480	2,830	3,320
24	2,320	2,260	1,790	1,880	1,770	1,980	2,510	14,000	6,300	2,590	3,350	3,140
25	2,690	2,250	1,800	1,900	1,750	2,210	2,650	14,600	5,830	2,480	3,050	3,000
26	2,600	e2,250	1,780	1,880	1,800	2,320	2,510	15,600	5,130	2,400	2,980	2,970
27	2,430	e2,260	1,800	1,880	1,910	2,270	2,890	15,700	4,690	2,460	2,860	3,000
28	2,470	e2,070	1,740	1,860	1,900	2,170	3,840	16,800	4,630	3,020	2,830	3,060
29	2,570	e1,930	1,770	1,850	---	2,180	4,550	19,000	4,620	3,290	2,890	3,000
30	2,600	e2,080	1,920	1,860	---	2,130	4,670	20,900	4,500	3,070	2,850	2,960
31	2,630	---	1,950	1,830	---	2,040	---	22,800	---	2,810	2,800	---
TOTAL	76,090	78,080	61,370	58,160	51,010	62,920	70,230	280,320	303,030	95,040	82,470	109,120
MEAN	2,455	2,603	1,980	1,876	1,822	2,030	2,341	9,043	10,100	3,066	2,660	3,637
MAX	3,540	3,790	2,350	1,990	2,200	2,350	4,670	22,800	24,500	4,280	3,350	6,860
MIN	2,060	1,930	1,740	1,760	1,520	1,770	1,350	3,400	4,500	2,400	2,180	2,500
AC-FT	150,900	154,900	121,700	115,400	101,200	124,800	139,300	556,000	601,100	188,500	163,600	216,400

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	3,988	4,002	3,570	3,347	3,407	3,845	5,787	13,920	16,820	7,637	3,898	3,682
MAX	7,672	6,925	5,993	6,129	5,996	7,486	15,600	37,960	43,830	29,650	10,190	7,174
(WY)	(1987)	(1987)	(1986)	(1985)	(1985)	(1986)	(1985)	(1984)	(1957)	(1995)	(1983)	(1997)
MIN	1,916	2,363	1,980	1,871	1,815	1,984	1,631	2,283	2,431	1,662	1,350	1,361
(WY)	(1957)	(1978)	(2003)	(1964)	(1964)	(1964)	(1977)	(1977)	(2002)	(1977)	(1977)	(1956)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	826,210		1,327,840			
ANNUAL MEAN	2,264		3,638		6,162	
HIGHEST ANNUAL MEAN					13,470	1984
LOWEST ANNUAL MEAN					2,417	2002
HIGHEST DAILY MEAN	4,470	Jun 2	24,500	Jun 2	68,300	May 27, 1984
LOWEST DAILY MEAN	1,280	Aug 19	1,350	Apr 11	960	Sep 7, 1956
ANNUAL SEVEN-DAY MINIMUM	1,320	Aug 14	1,590	Apr 7	1,110	Sep 2, 1956
MAXIMUM PEAK FLOW			26,100	Jun 3	a69,800	May 27, 1984
MAXIMUM PEAK STAGE			10.67	Jun 3	b16.12	May 27, 1984
ANNUAL RUNOFF (AC-FT)	1,639,000		2,634,000		4,464,000	
10 PERCENT EXCEEDS	2,960		7,060		13,300	
50 PERCENT EXCEEDS	2,240		2,480		3,920	
90 PERCENT EXCEEDS	1,570		1,830		2,240	

e Estimated.
a At site 0.2 mi downstream, at present datum.
b From high-water mark.

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued
(National Water-Quality Assessment Program station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1969 to current year. For a complete listing of historical data available for this site, see http://waterdata.usgs.gov/co/nwis/inventory/?site_no=09163500

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1979 to current year.
WATER TEMPERATURE: October 1979 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1979.

REMARKS.-- Daily records of specific conductance are excellent, except May 20 to June 10, which are good, Mar. 27 to Apr. 9, which are fair, and Oct. 1-2, Oct. 30 to Dec. 4, and June 11 to July 14, which are poor. Daily records of water temperature are excellent. October 1979, water-quality data collection was moved 5.5 mi upstream to this site from previous site 09163530. Water-quality records for this site are considered to be equivalent to data obtained at old site. Data from the old site are stored with this station. Prior to October 1995, unpublished maximum and minimum specific conductance data available in district office.

Note: Suspended Sediment Discharge table: a sampler code of 3009 is a D-74 suspended sediment sampler; a code of 3039 is a D-77 water-quality sampler; a code of 3045 is a DH-81 depth-integrating sampler; a code of 3053 and 3054 is a D-95 depth-integrating sampler. Suspended sediment concentrations associated with a sampler type coded 3039 or 3053 were determined from a subsample split of a composite sample.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum 1,940 microsiemens/cm, Aug. 13, 1981; minimum, 277 microsiemens/cm, June 11, 1985.
WATER TEMPERATURE: Maximum, 27.6°C, July 19, 2003; minimum, -0.3°C on several days in Dec. 1996 and Jan. 1997.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,680 microsiemens/cm, Feb. 13; minimum, 332 microsiemens/cm, June 3.
WATER TEMPERATURE: Maximum, 27.6°C, July 19; minimum, 0.0°C, Dec. 27, 28, 29, Jan. 1, 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Dissolved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Hardness, water, unfltrd mg/L as CaCO3 (00900)	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)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)
OCT													
29...	1020	2,580	10.0	8.4	1,510	9.4	520	141	41.3	4.55	3	133	150
DEC													
04...	1020	2,380	11.7	8.5	1,470	3.3	460	121	39.2	3.99	3	147	170
FEB													
25...	0930	1,730	10.5	8.3	1,480	5.1	420	108	35.7	4.41	3	156	166
MAR													
27...	0955	2,310	9.4	8.3	1,240	9.5	360	90.8	31.5	3.86	3	124	148
APR													
10...	0950	1,410	10.2	8.5	1,260	11.5	370	92.9	33.0	4.37	3	132	137
MAY													
20...	0830	12,500	7.6	7.7	485	12.6	170	47.9	12.6	2.39	0.9	27.5	91
JUN													
11...	0930	9,720	8.6	8.0	537	15.9	190	54.4	12.2	1.78	1	36.5	97
JUL													
15...	0835	2,730	6.6	8.2	1,060	23.6	350	96.2	26.8	3.37	2	82.8	132
SEP													
10...	0845	6,040	8.1	8.2	1,050	14.8	350	98.8	24.7	5.81	2	78.6	129

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Carbonate, wat flt incrm. titr., field, mg/L (00452)	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)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)
OCT													
29...	173	5	126	0.4	10.7	428	980	1.33	6,820	0.61	<0.04	1.04	0.009
DEC													
04...	190	8	152	0.4	8.4	364	941	1.28	6,050	0.28	<0.04	0.82	0.015
FEB													
25...	188	7	182	0.35	7.8	323	920	1.25	4,300	0.40	0.06	0.78	E.007
MAR													
27...	181	--	137	0.32	7.8	276	761	1.04	4,750	--	--	--	--
APR													
10...	150	8	144	0.35	3.8	303	797	1.08	3,030	0.33	<0.04	0.35	0.016
MAY													
20...	111	--	24.4	0.2	8.9	104	285	0.39	9,630	3.8	0.26	0.55	0.014
JUN													
11...	118	--	35.4	0.2	9.1	108	318	0.43	8,330	0.52	<0.04	0.41	0.009
JUL													
15...	161	--	84.7	0.3	7.4	270	652	0.89	4,810	0.48	<0.04	0.47	E.004
SEP													
10...	157	--	75.5	0.4	10.1	290	665	0.90	10,900	11	0.05	0.87	0.018

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, unfltrd mg/L (00665)	Selenium, water, fltrd, ug/L (01145)
OCT			
29...	E.01	0.26	8.5
DEC			
04...	<0.02	0.038	8.2
FEB			
25...	E.01	0.055	7.2
MAR			
27...	--	--	5.0
APR			
10...	<0.02	0.039	6.9
MAY			
20...	<0.02	1.63	2.5
JUN			
11...	E.02	0.196	1.8
JUL			
15...	E.01	0.121	4.4
SEP			
10...	0.02	6.49	5.1

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

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	2,6-Diethylaniline water fltrd 0.7u GF ug/L (82660)	CIAT, water, fltrd, ug/L (04040)	Acetochlor, water, fltrd, ug/L (49260)	Alachlor, water, fltrd, ug/L (46342)	alpha-HCH, water, fltrd, ug/L (34253)	Atrazine, water, fltrd, ug/L (39632)	Azinphos-methyl, water, fltrd 0.7u GF ug/L (82686)	Benfluralin, water, fltrd 0.7u GF ug/L (82673)	Butylate, water, fltrd, ug/L (04028)	Carbaryl, water, fltrd 0.7u GF ug/L (82680)	Carbofuran, water, fltrd 0.7u GF ug/L (82674)	Chlorpyrifos water, fltrd, ug/L (38933)	cis-Permethrin water fltrd 0.7u GF ug/L (82687)
OCT													
29...	<0.006	<0.006	<0.006	<0.004	<0.005	E.005	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
DEC													
04...	<0.006	<0.006	<0.006	<0.004	<0.005	E.005	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
FEB													
25...	<0.006	<0.006	<0.006	<0.004	<0.005	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
APR													
10...	<0.006	<0.006	<0.006	<0.004	<0.005	<0.007	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
MAY													
20...	<0.006	<0.006	0.008	E.004	<0.005	E.004	<0.050	<0.010	<0.002	E.019	E.055	<0.005	<0.006
JUN													
11...	<0.006	<0.006	<0.006	E.004	<0.005	E.004	<0.050	<0.010	<0.002	<0.041	E.009	<0.005	<0.006
JUL													
15...	<0.006	E.004	<0.006	<0.004	<0.005	0.016	<0.050	<0.010	<0.002	<0.041	<0.020	<0.005	<0.006
SEP													
10...	<0.006	<0.006	<0.006	<0.004	<0.005	E.005	<0.050	<0.010	<0.002	<0.041	<0.020	--	<0.006

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Cyanazine, water, fltrd, ug/L (04041)	DCPA, water fltrd 0.7u GF ug/L (82682)	Desulfinyl fipronil, water, fltrd, ug/L (62170)	Diazinon, water, fltrd, ug/L (39572)	Dieldrin, water, fltrd, ug/L (39381)	Disulfoton, water, fltrd 0.7u GF ug/L (82677)	EPTC, water, fltrd 0.7u GF ug/L (82668)	Ethalfluralin, water, fltrd 0.7u GF ug/L (82663)	Ethoprop, water, fltrd 0.7u GF ug/L (82672)	Desulfinyl-fipronil amide, wat flt ug/L (62169)	Fipronil sulfide water, fltrd, ug/L (62167)	Fipronil sulfone water, fltrd, ug/L (62168)	Fipronil, water, fltrd, ug/L (62166)
OCT													
29...	<0.018	0.005	<0.004	E.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
DEC													
04...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
FEB													
25...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
APR													
10...	<0.018	0.008	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
MAY													
20...	<0.018	E.002	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
JUN													
11...	<0.018	<0.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
JUL													
15...	<0.018	E.003	<0.004	<0.005	<0.005	<0.02	<0.002	<0.009	<0.005	<0.009	<0.005	<0.005	<0.007
SEP													
10...	<0.018	0.005	<0.004	--	<0.005	--	<0.002	<0.009	--	<0.009	<0.005	<0.005	<0.007

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fonofos water, fltrd, ug/L (04095)	Lindane water, fltrd, ug/L (39341)	Linuron water fltrd 0.7u GF ug/L (82666)	Malathion, water, fltrd, ug/L (39532)	Methyl parathion, water, fltrd 0.7u GF ug/L (82667)	Metolachlor, water, fltrd, ug/L (39415)	Metribuzin, water, fltrd, ug/L (82630)	Molinate, water, fltrd 0.7u GF ug/L (82671)	Napropamide, water, fltrd 0.7u GF ug/L (82684)	p,p'-DDE, water, fltrd, ug/L (34653)	Parathion, water, fltrd, ug/L (39542)	Pebulate, water, fltrd 0.7u GF ug/L (82669)	Pendimethalin, water, fltrd 0.7u GF ug/L (82683)
OCT													
29...	<0.003	<0.004	<0.035	<0.027	<0.006	E.004	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
DEC													
04...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
FEB													
25...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
APR													
10...	<0.003	<0.004	<0.035	<0.027	<0.006	<0.013	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
MAY													
20...	<0.003	<0.004	<0.035	<0.027	<0.006	E.005	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
JUN													
11...	<0.003	<0.004	<0.035	<0.027	<0.006	E.004	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
JUL													
15...	<0.003	<0.004	<0.035	<0.027	<0.006	E.007	<0.006	<0.002	<0.007	<0.003	<0.010	<0.004	<0.022
SEP													
10...	--	<0.004	<0.035	--	--	E.008	<0.006	<0.002	<0.007	<0.003	--	<0.004	<0.022

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Phorate water fltrd 0.7u GF ug/L (82664)	Prometon, water, fltrd, ug/L (04037)	Pronamide, water, fltrd 0.7u GF ug/L (82676)	Propachlor, water, fltrd, ug/L (04024)	Propanil, water, fltrd 0.7u GF ug/L (82679)	Propargite, water, fltrd 0.7u GF ug/L (82685)	Simazine, water, fltrd, ug/L (04035)	Tebuthiuron water fltrd 0.7u GF ug/L (82670)	Terbacil, water, fltrd 0.7u GF ug/L (82665)	Terbufos, water, fltrd 0.7u GF ug/L (82675)	Thiobencarb water fltrd 0.7u GF ug/L (82681)	Triallate, water, fltrd 0.7u GF ug/L (82678)	Trifluralin, water, fltrd 0.7u GF ug/L (82661)
OCT													
29...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
DEC													
04...	<0.011	E.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
FEB													
25...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
APR													
10...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
MAY													
20...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
JUN													
11...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
JUL													
15...	<0.011	<0.01	<0.004	<0.010	<0.011	<0.02	<0.005	<0.02	<0.034	<0.02	<0.005	<0.002	<0.009
SEP													
10...	--	M	<0.004	<0.010	<0.011	--	<0.005	<0.02	<0.034	--	<0.005	<0.002	<0.009

< -- Actual value is known to be less than the value shown.
E -- Estimated laboratory analysis value.
M -- Presence of material verified but not quantified.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Instantaneous discharge, cfs (00061)	Temperature, water, deg C (00010)	Suspnd. sediment, sieve diametr percent <.063mm (70331)	Suspended sediment concentration mg/L (80154)	Suspended sediment load, tons/d (80155)	Sampler type, code (84164)
OCT							
29...	0950	2,570	--	88	362	2,510	3009
29...	1020	2,580	9.4	94	572	3,980	3039
DEC							
04...	0935	2,380	--	--	46	296	3009
04...	1020	2,380	3.3	--	27	175	3053
FEB							
25...	0925	1,730	--	--	36	170	3054
25...	0930	1,730	5.1	--	35	163	3053
APR							
10...	0930	1,410	11.5	--	16	62	3045
10...	0950	1,410	11.5	--	13	51	3045
MAY							
20...	0830	12,500	12.6	78	2,630	88,800	3053
20...	0835	12,500	--	75	2,870	96,900	3054
JUN							
11...	0930	9,720	15.9	78	217	5,690	3053
11...	0935	9,720	--	69	240	6,300	3054
JUL							
15...	0740	2,730	--	--	71	524	3053
15...	0835	2,730	23.6	--	70	512	3053
SEP							
10...	0845	6,040	14.8	89	8,950	146,000	3053
10...	0850	6,040	--	90	9,120	149,000	3053

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1,280	1,220	1,240	1,520	1,490	1,500	1,580	1,510	1,560	1,570	1,540	1,550
2	1,280	1,220	1,260	1,520	1,440	1,470	1,610	1,530	1,580	1,560	1,500	1,540
3	---	---	---	1,450	1,430	1,440	1,540	1,460	1,500	1,530	1,490	1,510
4	---	---	---	1,460	1,440	1,450	1,490	1,450	1,470	1,590	1,520	1,550
5	---	---	---	1,460	1,450	1,460	1,450	1,440	1,450	1,550	1,520	1,540
6	---	---	---	1,450	1,440	1,440	1,450	1,430	1,440	1,530	1,510	1,520
7	---	---	---	1,470	1,430	1,450	1,480	1,440	1,460	1,540	1,490	1,520
8	---	---	---	1,500	1,450	1,480	1,510	1,480	1,490	1,500	1,460	1,480
9	---	---	---	1,500	1,360	1,450	1,490	1,480	1,480	1,520	1,490	1,500
10	---	---	---	1,500	1,360	1,410	1,510	1,480	1,490	1,520	1,500	1,510
11	---	---	---	1,490	1,400	1,470	1,560	1,490	1,520	1,550	1,510	1,530
12	---	---	---	1,530	1,450	1,470	1,540	1,490	1,520	1,580	1,480	1,550
13	---	---	---	1,480	1,440	1,460	1,580	1,490	1,540	1,530	1,480	1,510
14	---	---	---	1,500	1,480	1,490	1,560	1,520	1,540	1,540	1,520	1,530
15	---	---	---	1,560	1,480	1,520	1,560	1,520	1,540	1,540	1,520	1,530
16	---	---	---	1,520	1,490	1,510	1,560	1,530	1,550	1,530	1,490	1,510
17	---	1,480	---	1,510	1,470	1,480	1,540	1,520	1,530	1,520	1,490	1,500
18	1,520	1,500	1,510	1,520	1,500	1,510	1,540	1,520	1,530	1,520	1,500	1,510
19	1,540	1,520	1,530	1,520	1,490	1,500	1,540	1,510	1,530	1,510	1,470	1,490
20	1,540	1,520	1,530	1,560	1,520	1,540	1,540	1,500	1,520	1,550	1,490	1,520
21	1,560	1,520	1,540	1,590	1,560	1,570	1,540	1,500	1,530	1,540	1,490	1,510
22	1,560	1,540	1,550	1,600	1,560	1,580	1,520	1,500	1,510	1,530	1,470	1,490
23	1,560	1,540	1,550	1,630	1,590	1,620	1,530	1,490	1,500	1,540	1,500	1,520
24	1,640	1,540	1,570	1,640	1,610	1,620	1,600	1,510	1,560	1,520	1,480	1,500
25	1,600	1,520	1,540	1,640	1,590	1,620	1,590	1,540	1,570	1,510	1,480	1,490
26	1,530	1,500	1,510	1,600	1,560	1,580	1,560	1,530	1,540	1,480	1,460	1,470
27	1,550	1,520	1,540	1,580	1,540	1,560	1,610	1,550	1,580	1,460	1,440	1,450
28	1,530	1,520	1,520	1,560	1,540	1,550	1,620	1,580	1,610	1,470	1,450	1,460
29	1,540	1,510	1,520	1,550	1,520	1,530	1,620	1,580	1,600	1,470	1,450	1,460
30	1,550	1,510	1,530	1,530	1,510	1,530	1,630	1,580	1,600	1,480	1,440	1,460
31	1,580	1,510	1,540	---	---	---	1,610	1,550	1,580	1,480	1,460	1,470
MONTH	---	---	---	1,640	1,360	1,510	1,630	1,430	1,530	1,590	1,440	1,510
		FEBRUARY			MARCH			APRIL			MAY	
1	1,480	1,470	1,470	1,440	1,380	1,410	1,230	1,190	1,220	762	744	752
2	1,470	1,460	1,460	1,390	1,370	1,380	1,290	1,220	1,250	767	756	762
3	1,510	1,460	1,490	1,380	1,340	1,370	1,250	1,220	1,240	785	766	777
4	1,510	1,460	1,470	1,400	1,350	1,380	1,370	1,230	1,270	915	783	800
5	1,480	1,450	1,470	1,380	1,350	1,370	1,250	1,220	1,230	896	779	807
6	1,490	1,470	1,480	1,370	1,340	1,360	1,250	1,210	1,240	807	768	790
7	1,500	1,460	1,470	1,360	1,340	1,350	1,210	1,170	1,180	832	783	805
8	1,560	1,480	1,500	1,390	1,360	1,370	1,240	1,170	1,190	783	712	753
9	1,580	1,540	1,560	1,430	1,310	1,360	1,260	1,220	1,240	831	686	758
10	1,600	1,520	1,560	1,360	1,270	1,340	1,350	1,240	1,280	838	781	807
11	1,630	1,570	1,590	1,350	1,320	1,340	1,310	1,280	1,290	874	798	828
12	1,660	1,620	1,640	1,390	1,340	1,370	1,340	1,260	1,310	914	808	892
13	1,680	1,600	1,640	1,360	1,310	1,340	1,260	1,150	1,220	896	786	864
14	1,600	1,520	1,550	1,380	1,330	1,350	1,150	1,030	1,100	818	714	755
15	1,520	1,430	1,500	1,350	1,260	1,310	1,120	1,010	1,070	790	699	735
16	1,430	1,380	1,400	1,270	1,230	1,240	1,040	800	912	843	750	792
17	1,430	1,400	1,410	1,250	1,190	1,210	818	791	803	753	518	657
18	1,440	1,390	1,410	1,220	1,180	1,210	850	811	832	575	411	505
19	1,440	1,440	1,440	1,220	1,170	1,200	944	811	855	543	491	518
20	1,460	1,440	1,450	1,230	1,190	1,200	880	841	860	529	470	486
21	1,470	1,460	1,460	1,240	1,220	1,230	935	880	904	479	455	465
22	1,500	1,460	1,480	1,260	1,230	1,250	971	934	944	472	452	461
23	1,500	1,480	1,490	1,360	1,250	1,300	1,030	971	1,000	465	434	450
24	1,500	1,490	1,490	1,370	1,340	1,350	1,030	991	1,000	449	419	431
25	1,510	1,470	1,490	1,430	1,320	1,360	1,020	988	1,000	423	403	413
26	1,500	1,460	1,480	1,330	1,260	1,290	1,030	1,010	1,020	406	389	398
27	1,480	1,460	1,460	1,260	1,210	1,220	1,020	941	997	399	389	395
28	1,470	1,440	1,460	1,230	1,190	1,210	941	850	890	396	365	383
29	---	---	---	1,230	1,190	1,200	859	782	806	379	345	359
30	---	---	---	1,230	1,200	1,210	783	733	751	350	339	345
31	---	---	---	1,240	1,180	1,220	---	---	---	347	341	344
MONTH	1,680	1,380	1,490	1,440	1,170	1,300	1,370	733	1,060	915	339	622

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	347	336	341	839	796	815	1,140	1,110	1,120	1,240	1,210	1,230
2	346	334	338	910	839	881	1,180	1,140	1,160	1,260	1,230	1,250
3	348	332	339	921	887	904	1,210	1,180	1,190	1,260	1,240	1,250
4	375	348	364	927	879	904	1,220	1,200	1,210	1,270	1,250	1,260
5	402	374	392	952	862	922	1,220	1,200	1,200	1,280	1,260	1,270
6	444	399	424	973	938	957	1,230	1,200	1,220	1,290	1,230	1,280
7	492	444	468	971	937	956	1,220	1,190	1,200	1,400	1,160	1,260
8	532	492	515	980	953	964	1,210	1,170	1,200	1,320	1,220	1,260
9	556	532	544	1,000	964	986	1,190	1,140	1,170	1,240	1,190	1,210
10	562	552	557	1,020	996	1,010	1,200	1,170	1,190	1,240	1,010	1,150
11	554	539	545	1,010	996	1,000	1,190	1,170	1,180	1,220	1,110	1,160
12	554	544	549	1,000	979	991	1,190	1,170	1,180	1,240	1,160	1,200
13	553	545	548	1,020	981	991	1,210	1,170	1,190	1,170	1,130	1,150
14	557	543	549	1,050	1,010	1,040	1,170	1,140	1,160	1,140	1,130	1,140
15	574	557	566	1,080	1,050	1,060	1,140	1,120	1,140	1,170	1,140	1,160
16	590	574	585	1,080	1,060	1,070	1,120	1,080	1,100	1,170	1,150	1,160
17	590	577	584	1,090	1,060	1,080	1,080	1,040	1,050	1,190	1,170	1,180
18	613	581	597	1,110	1,070	1,090	1,050	1,040	1,040	1,210	1,180	1,200
19	650	613	637	1,120	1,100	1,120	1,050	1,030	1,040	1,220	1,200	1,210
20	696	650	670	1,120	1,100	1,110	1,030	998	1,020	1,230	1,220	1,220
21	709	670	685	1,130	1,100	1,110	1,040	986	1,010	1,220	1,210	1,220
22	710	673	695	1,120	1,100	1,110	1,020	992	1,010	1,210	1,200	1,200
23	731	707	720	1,150	1,100	1,120	998	959	985	1,210	1,190	1,200
24	758	725	737	1,150	1,140	1,140	---	967	---	1,210	1,190	1,200
25	777	758	767	1,150	1,130	1,140	---	---	---	1,230	1,200	1,220
26	807	758	779	1,150	1,130	1,140	---	---	---	1,240	1,220	1,230
27	855	807	836	1,190	1,140	1,170	---	1,220	---	1,240	1,230	1,240
28	866	830	848	1,200	1,150	1,180	1,250	1,220	1,230	1,230	1,210	1,220
29	833	798	815	1,150	1,100	1,130	1,230	1,220	1,220	1,220	1,200	1,210
30	808	792	798	1,100	1,050	1,080	1,240	1,220	1,230	1,210	1,190	1,200
31	---	---	---	1,170	1,080	1,120	1,230	1,210	1,220	---	---	---
MONTH	866	332	593	1,200	796	1,040	---	---	---	1,400	1,010	1,210

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.8	14.1	14.9	9.8	8.7	9.2	3.9	2.5	3.1	1.0	0.0	0.5
2	14.9	13.9	14.4	8.9	7.2	8.2	4.5	2.9	3.6	1.8	0.6	1.1
3	13.9	12.8	13.1	7.2	6.0	6.6	4.5	3.3	3.9	1.3	0.2	0.7
4	13.2	12.0	12.7	6.9	5.8	6.2	4.2	3.1	3.6	1.3	0.0	0.5
5	14.3	12.2	13.2	6.5	4.9	5.6	4.6	3.1	3.7	1.0	0.2	0.6
6	14.8	12.5	13.6	6.5	4.8	5.6	4.0	3.1	3.5	1.8	0.2	1.0
7	15.3	13.0	14.1	6.3	4.8	5.6	3.8	2.7	3.2	2.0	0.8	1.4
8	15.6	13.4	14.5	6.2	5.5	5.9	3.7	2.6	3.1	1.7	0.5	1.1
9	15.5	13.5	14.5	6.8	6.0	6.4	3.1	2.1	2.6	1.5	0.3	0.9
10	15.3	13.3	14.3	6.4	5.6	6.0	2.4	1.5	1.9	2.5	1.4	1.8
11	15.0	13.3	14.2	6.6	5.5	6.0	2.1	0.8	1.4	3.5	2.4	2.8
12	14.6	12.7	13.7	5.9	4.9	5.4	2.5	1.3	1.9	3.2	2.4	2.8
13	13.5	11.6	12.7	5.1	4.3	4.7	2.4	1.1	1.7	3.4	2.1	2.7
14	12.8	11.0	12.0	5.7	4.2	4.9	2.2	1.1	1.7	3.3	2.1	2.7
15	12.5	10.6	11.5	6.1	4.8	5.4	2.3	1.4	1.8	4.2	2.8	3.3
16	12.5	10.4	11.4	5.3	4.2	4.7	2.7	1.4	2.0	3.6	2.1	2.7
17	12.5	10.5	11.5	4.7	3.7	4.2	3.7	2.6	3.1	2.7	1.5	2.1
18	12.5	10.7	11.6	4.7	3.4	4.0	3.4	2.7	3.1	2.5	1.1	1.8
19	12.2	10.5	11.4	4.8	3.4	4.0	2.9	2.0	2.4	2.2	0.9	1.6
20	11.8	10.1	11.0	4.9	3.4	4.1	2.1	1.4	1.8	2.1	0.7	1.4
21	11.6	9.8	10.7	5.1	3.5	4.3	1.8	1.0	1.3	2.4	0.8	1.6
22	11.4	10.0	10.6	5.3	3.8	4.5	1.7	0.7	1.2	2.9	0.9	1.9
23	11.9	10.7	11.2	5.9	4.4	5.1	1.2	0.1	0.6	3.9	2.0	2.8
24	11.7	10.5	11.1	5.9	4.6	5.2	1.0	0.2	0.6	3.8	2.7	3.3
25	11.4	9.7	10.6	6.0	5.0	5.5	1.6	0.6	1.0	4.8	3.0	3.8
26	10.8	9.5	10.1	5.0	3.8	4.3	1.1	0.2	0.6	5.0	3.4	4.2
27	10.5	9.1	9.6	3.8	2.6	3.2	0.8	0.0	0.3	5.1	3.5	4.3
28	10.6	9.2	9.9	3.2	1.9	2.6	0.7	0.0	0.3	5.0	3.8	4.4
29	10.6	9.0	9.8	3.1	1.8	2.4	0.9	0.0	0.3	5.0	3.7	4.4
30	10.3	8.6	9.4	2.9	1.8	2.4	0.7	0.1	0.5	4.9	3.5	4.2
31	9.8	8.2	9.1	---	---	---	0.8	0.1	0.4	5.6	3.7	4.6
MONTH	15.8	8.2	12.0	9.8	1.8	5.1	4.6	0.0	1.9	5.6	0.0	2.4
		FEBRUARY			MARCH			APRIL			MAY	
1	5.8	4.4	5.1	6.8	5.7	6.1	12.6	9.8	11.2	14.1	12.4	13.2
2	5.5	4.4	4.9	6.8	4.7	5.7	12.0	9.8	10.7	14.8	12.4	13.5
3	5.1	3.5	4.3	7.2	4.9	6.0	10.4	8.9	9.7	14.7	13.4	14.1
4	4.7	3.3	4.1	6.5	5.6	5.9	10.9	8.4	9.7	14.2	12.6	13.5
5	4.1	2.7	3.4	6.8	4.7	5.8	9.9	8.2	9.0	14.2	12.9	13.5
6	3.3	1.8	2.5	7.8	5.3	6.4	10.7	8.2	9.3	14.1	12.2	13.2
7	2.4	0.8	1.6	8.6	5.8	7.2	11.8	8.8	10.2	14.5	13.1	13.7
8	1.8	0.1	1.0	9.4	6.6	7.9	12.2	8.8	10.5	14.2	12.3	13.2
9	1.8	0.3	1.1	9.4	7.0	8.1	13.3	9.9	11.6	13.8	12.5	13.2
10	1.5	0.3	0.9	9.6	7.4	8.5	14.5	11.3	12.9	12.5	10.9	11.8
11	1.9	0.2	1.0	10.7	8.1	9.3	15.7	12.3	14.0	14.0	11.3	12.6
12	2.1	0.4	1.2	11.7	9.1	10.3	15.1	12.8	14.1	15.6	12.4	14.0
13	3.1	1.8	2.3	12.2	9.4	10.8	15.8	12.8	14.3	16.4	14.4	15.3
14	3.8	2.6	3.2	11.9	10.0	11.0	15.2	13.6	14.4	17.0	14.9	16.0
15	5.3	3.4	4.2	11.2	9.5	10.4	14.7	11.8	12.9	16.7	15.7	16.3
16	5.3	4.1	4.7	10.4	9.8	10.1	13.8	10.8	12.2	17.4	14.8	16.1
17	6.2	4.4	5.2	10.1	9.1	9.6	13.7	11.7	12.6	17.2	16.1	16.7
18	7.0	5.1	6.0	9.6	8.2	8.8	13.4	10.9	12.0	16.7	14.9	15.8
19	7.3	5.4	6.3	8.9	7.6	8.2	12.9	10.7	11.8	15.0	13.2	14.2
20	7.1	5.0	6.1	8.8	7.2	8.0	14.5	11.2	12.7	14.5	12.5	13.6
21	7.2	5.1	6.2	10.4	7.2	8.7	13.9	12.2	13.1	15.3	13.4	14.4
22	6.7	5.2	6.0	11.3	8.1	9.6	13.9	12.2	12.9	15.9	13.9	15.0
23	5.9	4.0	5.0	12.5	9.3	10.9	12.6	11.2	11.7	16.3	14.5	15.5
24	6.0	4.1	5.0	12.4	10.9	11.7	14.0	10.4	12.0	16.2	14.9	15.6
25	5.9	5.0	5.4	13.3	10.3	11.7	15.2	12.3	13.7	15.5	14.6	15.1
26	5.7	4.9	5.3	12.0	10.6	11.2	16.1	13.5	14.7	15.5	14.2	14.9
27	6.1	4.5	5.3	10.6	8.7	9.7	16.3	13.8	15.1	16.3	14.4	15.3
28	6.8	5.2	5.9	9.7	7.2	8.3	15.8	14.1	15.1	16.7	15.1	15.9
29	---	---	---	9.8	6.8	8.1	15.0	13.4	14.3	16.3	15.3	15.9
30	---	---	---	10.7	7.1	8.8	14.3	12.9	13.6	16.3	15.2	15.6
31	---	---	---	---	8.2	---	---	---	---	15.9	14.6	15.2
MONTH	7.3	0.1	4.0	---	4.7	---	16.3	8.2	12.4	17.4	10.9	14.6

09163500 COLORADO RIVER NEAR COLORADO-UTAH STATE LINE—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	15.8	14.4	15.1	23.2	21.2	22.1	25.8	23.2	24.4	23.2	20.6	21.9
2	15.4	14.3	14.8	23.3	21.0	22.1	25.4	23.5	24.6	22.4	20.8	21.4
3	14.9	13.5	14.3	23.5	21.0	22.2	24.9	23.0	23.9	22.8	19.7	21.1
4	15.5	14.0	14.8	23.9	21.2	22.4	25.7	22.9	24.2	22.9	20.7	21.8
5	15.9	14.5	15.2	24.2	21.9	22.9	25.7	23.1	24.5	22.7	19.8	21.6
6	16.3	14.5	15.4	24.3	21.9	23.0	25.5	23.2	24.5	21.2	19.5	20.2
7	16.4	14.8	15.6	24.0	21.6	22.7	24.9	23.2	24.0	20.6	18.1	19.4
8	16.8	14.5	15.8	24.0	21.5	22.7	25.2	22.1	23.5	20.8	19.2	19.9
9	17.5	15.6	16.7	24.8	21.6	23.1	25.8	23.1	24.4	19.8	18.0	18.9
10	18.1	15.9	17.1	25.4	22.0	23.6	26.6	23.6	24.9	18.0	14.0	16.1
11	18.2	15.8	17.1	24.8	22.2	23.6	26.7	24.0	25.3	16.7	14.7	15.7
12	18.1	16.3	17.3	25.3	22.4	23.8	26.6	24.2	25.3	17.0	15.4	16.2
13	18.4	16.4	17.4	25.4	22.8	24.1	26.2	23.8	25.1	17.3	16.0	16.6
14	19.0	16.6	17.8	26.3	23.2	24.6	26.9	24.4	25.6	16.9	14.8	15.9
15	19.5	17.0	18.3	25.8	23.6	24.8	25.9	23.1	24.3	17.2	14.9	16.1
16	19.6	17.6	18.8	25.8	23.0	24.3	24.9	23.1	23.7	17.7	15.7	16.6
17	19.3	17.1	18.4	26.6	23.2	24.8	24.2	21.4	22.8	17.5	15.6	16.5
18	19.4	17.3	18.4	27.5	24.3	25.8	23.8	22.2	23.0	16.3	14.2	15.2
19	19.4	17.7	18.5	27.6	24.9	26.2	23.7	21.3	22.5	16.1	14.0	15.1
20	18.3	17.0	17.4	27.1	24.8	25.9	24.2	21.5	22.8	16.5	14.2	15.3
21	18.2	16.1	17.2	27.1	24.2	25.5	24.4	22.1	23.2	17.0	14.7	15.7
22	19.0	16.9	18.0	27.5	25.1	26.2	24.4	21.9	23.1	17.1	14.8	15.9
23	19.2	17.7	18.5	26.4	24.6	25.5	24.7	22.0	23.3	17.5	15.1	16.2
24	19.0	17.2	17.7	26.8	24.0	25.2	24.2	22.6	23.3	17.9	15.4	16.5
25	18.7	16.8	17.7	26.2	24.1	25.2	24.8	22.5	23.6	17.8	15.3	16.5
26	20.1	17.8	18.9	27.3	24.9	26.0	25.0	22.5	23.8	17.9	15.3	16.5
27	21.1	18.9	20.0	26.4	24.3	25.4	24.2	22.7	23.2	18.4	15.6	16.9
28	21.9	19.7	20.8	27.3	24.4	25.6	23.9	21.2	22.5	18.5	16.1	17.3
29	22.8	20.4	21.5	26.6	24.5	25.5	24.3	21.7	22.9	18.5	16.1	17.3
30	22.8	20.8	21.9	26.7	23.9	25.3	23.7	21.7	22.7	18.7	16.3	17.4
31	---	---	---	25.8	24.1	24.9	23.6	21.1	22.3	---	---	---
MONTH	22.8	13.5	17.5	27.6	21.0	24.4	26.9	21.1	23.8	23.2	14.0	17.6

09180000 DOLORES RIVER NEAR CISCO, UT

LOCATION.--Lat 38°47'50", long 109°11'40", in SW¼SE¼ sec. 18, T. 23 S., R. 25 E., Grand County, Hydrologic Unit 14030004, on left bank 0.2 mi downstream from Line Canyon, 9.1 mi upstream from mouth, 13.5 mi downstream from Colorado-Utah State line, and 13.9 mi southeast of Cisco.

DRAINAGE AREA.--4,580 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1950 to current year. Monthly discharge only for some periods, published in WSP 1733.

REVISED RECORDS.--WDR UT-75-1: 1974.

GAGE.--Water-stage recorder. Elevation of gage is 4,165 ft above NGVD of 1929, from river-profile map. December 6, 1950 to April 18, 1967, at site 200 ft downstream at different datum; April 19, 1967 to September 3, 1975 at site 10 ft downstream at different datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by MacPhee Reservoir, capacity 381,000 acre-ft, since 1986. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,400 ft^3/s, Apr 21, 1958, gage height, 9.84 ft at different datum; minimum daily discharge, 1.5 ft^3/s, Jul 21, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 11	1230	*3,680	*10.39

No other peak greater than base discharge.

Minimum daily discharge, 26 ft^3/s, Aug 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	124	100	e88	92	121	201	585	1,130	188	88	131
2	75	123	103	96	101	122	265	535	1,080	181	72	112
3	121	116	114	e96	100	119	373	510	1,080	169	60	100
4	227	112	102	e94	98	112	473	505	984	168	104	88
5	159	105	109	e96	95	108	407	512	914	159	132	87
6	166	101	103	96	87	113	339	485	870	154	89	86
7	127	104	100	105	79	108	308	432	758	143	63	296
8	105	102	100	98	72	104	297	376	654	123	49	206
9	95	118	97	e97	67	108	274	357	601	112	42	149
10	91	189	86	e97	67	110	279	339	649	102	38	721
11	90	419	75	e96	66	109	394	310	609	93	37	2,340
12	87	191	72	e96	79	116	832	297	598	83	35	924
13	84	144	e83	e97	89	143	1,040	283	545	73	32	492
14	83	129	85	e95	123	184	1,160	301	465	67	26	408
15	81	124	97	e90	169	226	1,190	415	396	65	27	383
16	107	124	96	e91	215	232	1,100	535	391	54	108	326
17	108	118	98	e87	192	248	844	558	405	48	184	241
18	107	111	116	e84	154	234	879	620	345	49	319	215
19	105	108	114	e80	144	206	797	751	307	43	176	200
20	104	111	e100	e81	137	201	639	760	304	41	127	180
21	103	108	92	e79	123	190	557	692	320	43	124	152
22	99	103	90	e82	116	166	553	723	290	67	100	124
23	99	95	79	e86	109	139	581	829	282	44	90	114
24	114	90	96	e90	106	127	513	922	284	43	107	104
25	132	90	87	97	103	143	444	988	268	39	91	97
26	123	89	77	101	112	199	488	963	244	28	83	90
27	134	87	88	99	125	224	689	940	220	40	99	84
28	245	86	91	91	119	302	751	1,040	228	92	134	88
29	212	83	88	e89	---	287	702	1,170	215	62	83	80
30	175	90	79	95	---	243	620	1,210	201	48	88	86
31	140	---	83	92	---	209	---	1,180	---	68	117	---
TOTAL	3,786	3,694	2,900	2,861	3,139	5,253	17,989	20,123	15,637	2,689	2,924	8,704
MEAN	122	123	93.5	92.3	112	169	600	649	521	86.7	94.3	290
MAX	245	419	116	105	215	302	1,190	1,210	1,130	188	319	2,340
MIN	75	83	72	79	66	104	201	283	201	28	26	80
AC-FT	7,510	7,330	5,750	5,670	6,230	10,420	35,680	39,910	31,020	5,330	5,800	17,260

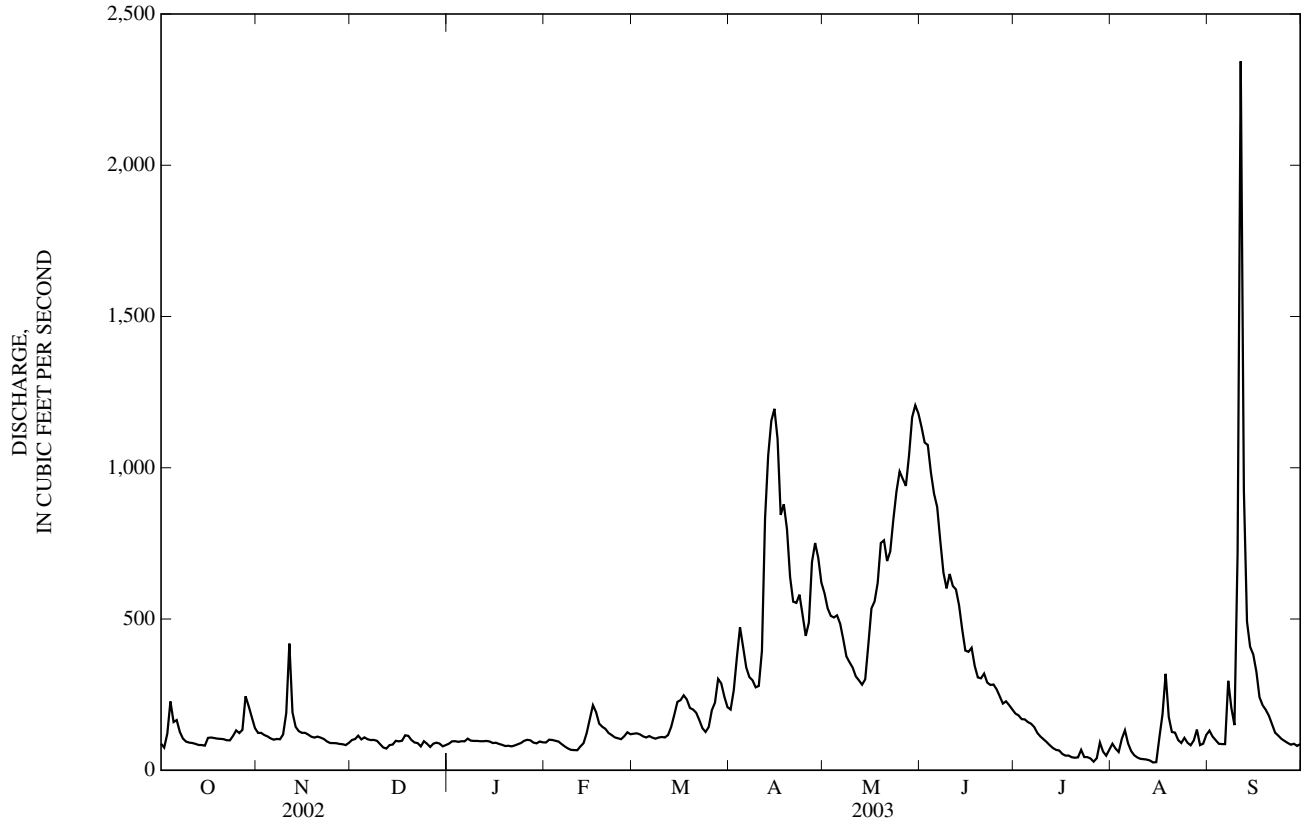
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2003, BY WATER YEAR (WY)

MEAN	242	242	197	168	216	426	1,592	2,508	1,439	486	285	241
MAX	617	894	606	370	518	1,037	5,338	8,803	3,895	1,827	917	779
(WY)	(1987)	(1987)	(1987)	(1987)	(1987)	(1997)	(1993)	(1993)	(1995)	(1995)	(1999)	(1999)
MIN	112	122	93.5	92.3	112	132	177	113	76.5	5.41	9.57	80.6
(WY)	(2002)	(2002)	(2003)	(2003)	(2003)	(2002)	(1990)	(2002)	(2002)	(2002)	(2002)	(1989)

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1987 - 2003	
ANNUAL TOTAL	38,558.1		89,699			
ANNUAL MEAN	106		246		671	
HIGHEST ANNUAL MEAN					1,768	1993
LOWEST ANNUAL MEAN					107	2002
HIGHEST DAILY MEAN	1,020	Sep 13	2,340	Sep 11	12,900	May 18, 1993
LOWEST DAILY MEAN	1.5	Jul 21	26	Aug 14	1.5	Jul 21, 2002
ANNUAL SEVEN-DAY MINIMUM	1.7	Jul 16	34	Aug 9	1.7	Jul 16, 2002
ANNUAL RUNOFF (AC-FT)	76,480		177,900		486,300	
10 PERCENT EXCEEDS	165		643		1,720	
50 PERCENT EXCEEDS	105		116		225	
90 PERCENT EXCEEDS	5.9		76		105	

e Estimated



09180000 DOLORES RIVER NEAR CISCO, UT—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.
WATER TEMPERATURE: March 1951 to September 1959, October 1964 to September 1981, March 1982 to current year.
SUSPENDED-SEDIMENT DISCHARGE: March 1951 to December 1953, October 1957 to September 1964.

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, 21,600 microsiemens/cm, Jul 9, 1977; minimum observed, 240 microsiemens/cm, Jun 22, 1983.
WATER TEMPERATURE: Maximum observed, 32.0°C, Jul 9, 2002; minimum observed, -1.0°C, Dec 31, 2002, Jan 1, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 3,510 microsiemens/cm, Aug 16; minimum observed, 380 microsiemens/cm, Apr 16, 17.
WATER TEMPERATURE: Maximum observed, 30.0°C, Jul 17, 21, 30; minimum observed, -1.0°C, Dec 31, Jan 1.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
MAR 10...	0835	6.97	111	8.2	2,380	8.5	8.5	1,360
APR 24...	0915	7.76	562	8.2	660	16.0	13.0	384
JUN 02...	0900	8.35	1,050	8.0	450	22.5	17.0	255
JUL 09...	0815	6.97	116	8.3	960	23.5	22.0	597
AUG 14...	0840	6.55	26	8.0	1,880	28.5	24.0	1,340

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,960	1,180	---	2,330	1,850	2,310	---	560	440	---	1,750	1,410
2	1,110	1,150	1,600	---	---	2,330	---	570	---	---	---	1,110
3	1,570	1,330	1,660	2,280	1,840	---	1,100	610	465	---	---	1,090
4	1,040	1,470	1,550	1,900	1,710	---	---	680	---	---	1,340	---
5	1,230	1,320	1,570	1,660	1,870	2,170	660	---	475	---	1,340	1,330
6	1,050	1,340	1,310	1,770	1,790	2,190	600	660	510	---	---	1,070
7	1,300	1,320	1,330	---	1,900	2,460	680	---	550	---	---	---
8	1,870	1,340	1,370	---	1,900	2,470	---	700	600	1,040	---	890
9	1,320	1,310	1,350	2,040	1,910	2,440	---	760	670	1,010	---	---
10	1,290	1,300	---	2,010	2,020	2,450	790	860	710	1,010	1,850	1,100
11	1,620	1,210	1,430	1,850	1,930	---	960	900	---	1,070	1,820	---
12	---	830	1,500	1,950	2,150	---	750	840	670	1,180	2,170	1,660
13	1,680	800	1,490	1,570	2,240	2,360	520	930	---	1,180	1,840	---
14	1,670	800	1,620	1,640	3,180	2,320	460	1,060	---	1,230	---	---
15	1,650	930	1,720	1,630	2,540	1,680	400	---	790	1,260	---	880
16	1,650	1,040	1,980	---	1,420	1,110	380	820	870	1,350	3,510	780
17	1,650	1,130	1,420	1,490	---	---	380	---	---	1,360	2,400	760
18	1,630	1,170	1,420	2,060	1,390	---	420	940	750	1,470	1,160	---
19	1,410	1,180	1,920	1,680	1,020	---	460	540	830	1,520	1,800	860
20	1,290	1,230	1,490	1,730	1,680	---	520	900	920	1,610	1,400	---
21	1,280	1,280	1,860	---	---	1,320	610	530	---	1,590	---	870
22	1,300	1,440	---	2,000	---	1,230	640	520	970	1,760	1,280	900
23	1,270	1,390	---	2,310	---	1,240	700	510	---	1,990	---	---
24	1,240	1,400	---	1,900	---	1,380	700	460	830	1,900	---	1,020
25	1,230	1,440	---	1,610	---	1,680	730	440	820	1,790	---	---
26	1,310	1,460	---	2,050	2,060	---	730	430	---	1,860	1,650	1,240
27	1,230	1,580	---	1,630	2,360	1,700	690	450	820	1,960	2,000	1,290
28	1,280	1,710	---	---	2,420	1,470	540	440	---	1,890	---	1,390
29	---	1,830	---	1,620	---	940	540	430	990	2,010	1,420	---
30	1,000	1,730	---	1,800	---	870	580	410	920	1,810	1,280	1,550
31	1,350	---	1,980	1,750	---	820	---	410	---	---	1,300	---
MEAN	1,400	1,290	1,580	1,850	1,960	1,770	622	643	730	1,520	1,740	1,120

09180000 DOLORES RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.0	10.0	---	-1.0	7.0	7.0	---	16.0	19.0	---	28.0	24.0
2	15.0	9.0	4.0	---	---	7.0	---	16.0	---	---	---	24.0
3	13.0	6.0	5.0	0.0	6.0	---	12.0	15.0	19.0	---	---	25.0
4	14.0	6.0	4.0	0.0	5.0	---	---	15.0	---	---	26.0	---
5	16.0	5.0	3.0	0.0	4.0	5.0	7.0	---	20.0	---	26.0	23.0
6	16.0	7.0	3.0	1.0	3.0	8.5	11.0	16.0	20.0	---	---	22.0
7	17.0	5.0	3.0	---	2.0	11.5	12.0	---	20.0	---	---	---
8	18.0	6.0	3.0	---	1.0	8.0	---	14.0	21.0	26.0	---	21.0
9	17.0	8.0	2.0	0.0	2.0	13.0	---	13.0	21.0	27.0	---	---
10	17.0	6.0	---	1.0	3.0	8.5	13.0	14.0	21.0	27.0	28.0	18.0
11	17.0	7.0	1.0	4.0	2.0	---	14.0	16.0	---	28.0	29.0	---
12	---	6.0	3.0	4.0	3.0	---	15.0	17.0	20.0	27.0	27.0	15.0
13	12.0	5.0	1.0	3.0	4.0	14.0	15.0	17.0	---	29.0	27.0	---
14	14.0	5.0	1.0	3.0	4.0	13.0	14.0	18.0	---	29.0	---	---
15	11.0	5.0	1.0	3.0	6.0	11.0	12.0	---	24.0	27.0	---	18.0
16	11.0	4.0	1.0	---	5.0	11.0	10.0	19.0	24.0	27.0	22.0	19.0
17	10.0	4.0	4.0	3.0	---	---	12.0	---	---	30.0	25.0	19.0
18	11.0	3.0	3.0	2.0	8.0	---	12.0	19.0	24.0	29.0	24.0	---
19	11.0	3.0	1.0	3.0	6.0	---	12.0	19.0	21.0	29.0	23.0	17.0
20	12.0	3.0	0.0	4.0	7.0	---	15.0	19.0	20.0	28.0	24.0	---
21	10.0	4.0	0.0	---	---	11.0	13.0	20.0	---	30.0	---	19.0
22	11.0	7.0	---	3.0	---	13.0	13.0	21.0	21.0	28.0	27.0	20.0
23	12.0	5.0	---	3.0	---	13.0	13.0	22.0	---	29.0	---	---
24	14.0	6.0	---	3.0	---	15.0	15.0	18.0	22.0	28.0	---	21.0
25	12.0	6.0	---	3.0	---	15.0	16.0	20.0	22.0	28.0	---	---
26	13.0	5.0	---	3.0	7.0	---	17.0	21.0	---	29.0	24.0	20.0
27	13.0	5.0	---	5.0	7.0	11.0	17.0	21.0	24.0	29.0	23.0	21.0
28	10.0	2.0	---	---	8.0	11.0	14.0	22.0	---	28.0	---	21.0
29	---	2.0	---	4.0	---	11.0	14.0	22.0	26.0	29.0	25.0	---
30	9.0	3.0	---	4.0	---	12.0	14.0	20.0	25.0	30.0	25.0	22.0
31	9.0	---	-1.0	6.0	---	12.0	---	20.0	---	---	22.0	---
MEAN	13.2	5.3	2.1	2.6	4.8	11.0	13.3	18.1	21.7	28.3	25.3	20.5

09180500 COLORADO RIVER NEAR CISC0, UT

LOCATION.--Lat 38°48'38", long 109°17'34", in NW¼NW¼ sec. 17, T. 23 S., R. 24 E., Grand County, Hydrologic Unit 14030005, on left bank 1 mi downstream from Dolores River, 11 mi south of Cisco, 36 mi downstream from Colorado-Utah State line, 97 mi upstream from Green River, and 235 mi upstream from San Juan River, at mile 1,022.3 from Arizona-Sonora.

DRAINAGE AREA.--24,100 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--January 1895 to current year (1895 to 1910, calendar-year estimates only). Monthly discharge only for some periods, published in WSP 1313. Published as Grand River near Moab, October 1913 to November 1914, and as Grand River near Cisco, November 1914 to September 1917.

REVISED RECORDS.--WSP 918: 1913, 1937. WSP 1313: 1918-22.

GAGE.--Water-stage recorder. Elevation of gage is 4,090 ft above NGVD of 1929, from river-profile map. Prior to November 10, 1914, several staff and chain gages at bridge near Moab, 31 mi downstream at datum, 3,937.73 ft above NGVD of 1929.

REMARKS.--Records good except for estimated daily discharges, which are fair. Diversions above station for irrigation and power, including several transmountain diversions. Flow regulated by Blue Mesa Reservoir since November 27, 1965.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,800 ft^3/s, Jun 19, 1917, gage height, 19.7 ft; minimum recorded, 558 ft^3/s, Jul 21, 1934, gage height, 0.44 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood on Jul 4, 1884 reached a discharge of about 125,000 ft^3/s, from flood record at Fruita, Colorado.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 26,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 3	0845	*27,500	*10.56				

Minimum discharge, 917 ft^3/s, Feb 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,870	3,040	2,220	1,990	1,780	e1,890	2,410	4,980	24,400	4,430	2,500	2,760
2	e2,640	3,180	2,260	1,890	1,860	e1,860	2,370	4,530	24,900	4,200	2,400	2,760
3	3,080	2,930	2,370	1,850	1,930	e1,830	2,430	4,160	26,400	4,020	2,360	2,710
4	3,800	2,870	2,390	1,820	1,920	1,790	2,660	4,070	21,800	3,950	2,480	2,510
5	3,420	2,840	2,370	1,870	1,860	1,760	2,890	4,650	18,200	4,030	2,470	2,350
6	3,030	2,810	2,240	2,030	1,760	1,810	2,810	4,800	15,400	3,860	2,410	2,670
7	2,870	2,900	2,260	2,020	1,700	1,860	2,660	4,370	13,000	3,680	2,360	3,840
8	2,760	2,820	2,250	1,980	1,570	1,990	2,340	3,870	11,300	3,500	2,280	3,730
9	2,650	4,790	2,160	1,850	1,430	1,970	2,200	3,670	10,300	3,230	2,310	3,690
10	2,580	4,240	2,080	1,830	1,440	1,980	1,960	4,150	9,900	2,970	2,310	6,020
11	2,480	3,690	1,930	1,890	1,450	1,930	1,960	3,890	9,870	2,910	2,270	8,680
12	2,420	3,270	1,900	2,010	1,620	1,940	2,240	3,770	9,600	2,830	2,150	6,390
13	2,320	2,960	1,930	2,030	1,760	2,090	2,810	3,620	9,430	2,740	2,040	5,060
14	2,320	2,860	1,900	1,970	1,930	2,320	3,170	3,560	9,250	2,710	2,020	4,490
15	2,330	2,780	2,040	1,900	2,200	2,440	3,520	3,900	8,890	2,740	1,980	4,230
16	2,290	2,820	2,010	1,900	2,430	2,650	4,050	4,850	8,470	2,640	2,270	4,080
17	2,230	2,770	1,970	1,890	2,260	2,880	3,870	6,460	8,600	2,530	2,680	3,810
18	2,170	2,640	2,020	1,780	2,090	2,710	3,470	8,440	8,090	2,560	2,850	3,560
19	2,190	2,590	2,080	1,780	1,990	2,400	3,270	10,400	7,540	2,560	2,710	3,410
20	2,160	2,580	2,100	1,760	1,940	2,400	2,940	11,900	7,420	2,530	2,850	3,450
21	2,140	2,360	1,960	1,700	1,860	2,300	2,640	11,300	7,520	2,520	2,940	3,480
22	2,120	2,340	1,870	1,780	1,800	2,280	2,390	11,400	7,360	2,530	2,690	3,390
23	2,160	2,370	1,910	1,830	1,790	2,150	2,460	11,900	6,770	2,370	2,630	3,250
24	2,300	2,380	1,880	1,860	1,810	2,210	2,780	13,300	6,470	2,390	3,060	3,090
25	2,750	2,340	1,780	1,900	1,800	2,380	3,030	14,000	6,130	2,310	2,870	2,910
26	2,770	2,360	1,790	1,890	e1,840	2,700	2,970	e15,000	5,430	2,170	2,900	2,840
27	2,600	2,340	1,780	1,870	e1,900	2,800	3,250	e16,100	4,900	2,150	2,820	2,840
28	2,720	2,260	1,740	1,840	e1,890	2,690	4,120	e17,900	4,730	2,480	2,750	2,960
29	2,780	2,020	1,710	1,830	---	2,720	5,030	19,600	4,720	3,000	2,780	2,870
30	2,810	1,980	1,820	1,820	---	2,660	5,240	21,600	4,620	2,930	2,730	2,830
31	2,750	---	1,990	1,790	---	2,520	---	23,700	---	2,570	2,740	---
TOTAL	80,510	84,130	62,710	58,150	51,610	69,910	89,940	279,840	321,410	92,040	78,610	110,660
MEAN	2,597	2,804	2,023	1,876	1,843	2,255	2,998	9,027	10,710	2,969	2,536	3,689
MAX	3,800	4,790	2,390	2,030	2,430	2,880	5,240	23,700	26,400	4,430	3,060	8,680
MIN	2,120	1,980	1,710	1,700	1,430	1,760	1,960	3,560	4,620	2,150	1,980	2,350
AC-FT	159,700	166,900	124,400	115,300	102,400	138,700	178,400	555,100	637,500	182,600	155,900	219,500

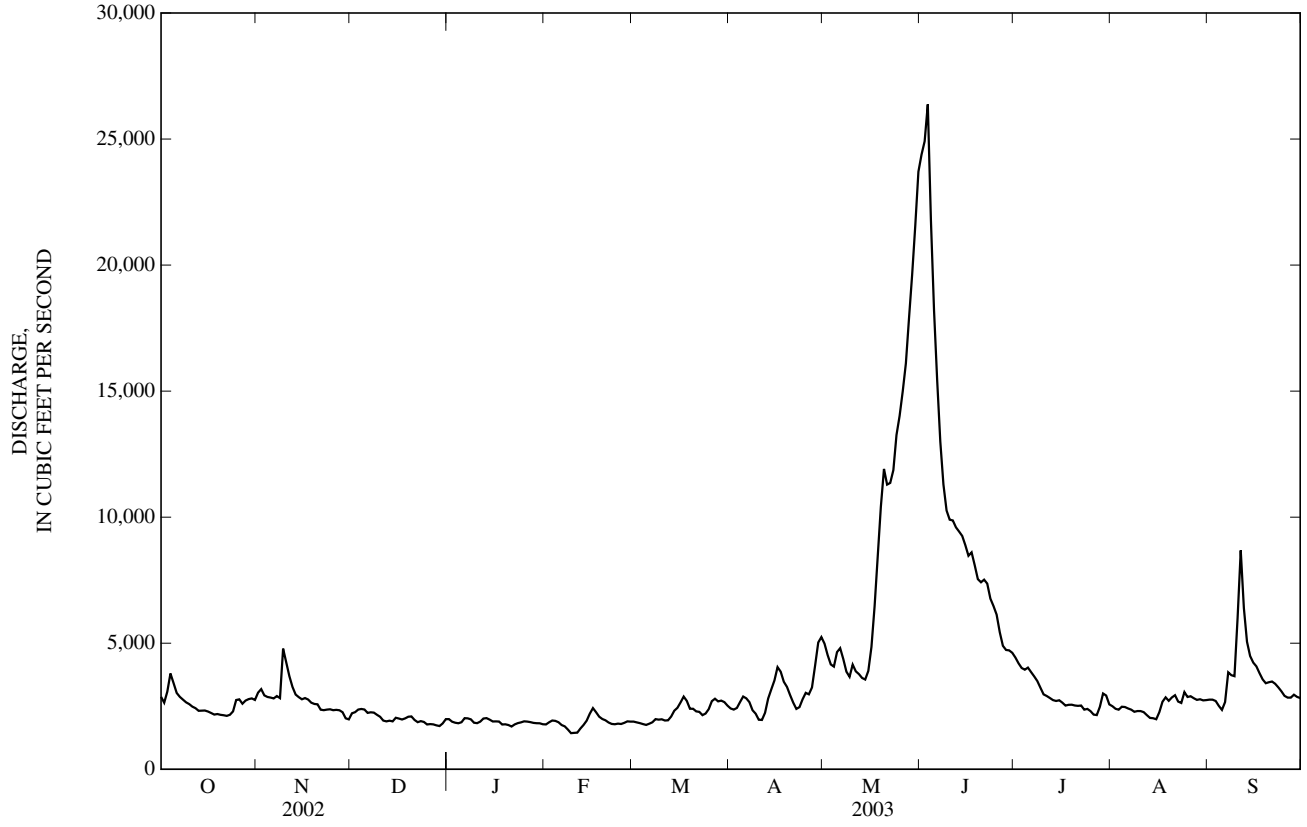
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1914 - 2003, BY WATER YEAR (WY)

MEAN	4,009	3,828	3,298	3,092	3,251	3,810	8,192	19,060	21,710	8,888	4,293	3,717
MAX	9,416	7,601	6,588	6,371	6,326	8,412	22,590	42,090	55,530	31,750	11,400	11,330
(WY)	(1942)	(1987)	(1987)	(1985)	(1985)	(1985)	(1942)	(1984)	(1917)	(1957)	(1984)	(1929)
MIN	1,353	1,730	2,023	1,876	1,843	2,009	1,638	2,322	2,504	1,057	1,017	1,078
(WY)	(1935)	(1935)	(2003)	(2003)	(2003)	(1977)	(1977)	(1977)	(2002)	(1934)	(1934)	(1934)

09180500 COLORADO RIVER NEAR CISC0, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1914 - 2003	
ANNUAL TOTAL	877,030		1,379,520			
ANNUAL MEAN	2,403		3,780		7,269	
HIGHEST ANNUAL MEAN					14,930	1984
LOWEST ANNUAL MEAN					2,557	2002
HIGHEST DAILY MEAN	4,790	Nov 9	26,400	Jun 3	73,200	Jun 19, 1917
LOWEST DAILY MEAN	1,340	Aug 2	1,430	Feb 9	640	Jul 21, 1934
ANNUAL SEVEN-DAY MINIMUM	1,420	Aug 14	1,570	Feb 6	736	Jul 15, 1934
ANNUAL RUNOFF (AC-FT)	1,740,000		2,736,000		5,266,000	
10 PERCENT EXCEEDS	3,210		7,380		18,100	
50 PERCENT EXCEEDS	2,350		2,630		3,860	
90 PERCENT EXCEEDS	1,580		1,850		2,230	

e Estimated



09180500 COLORADO RIVER NEAR CISCO, UT—Continued

WATER-QUALITY RECORDS

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

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1941 to September 1952, October 1954 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.

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, 4,820 microsiemens/cm, Dec 13, 1957; minimum daily, 291 microsiemens/cm, May 31, 1953.
WATER TEMPERATURE: Maximum observed, 29.0°C, Jul 29, 1966; minimum, 0.0°C, on many days during winter period most years.
SEDIMENT CONCENTRATIONS: Maximum daily mean, 69,000 mg/L, Oct 27, 1951; minimum daily mean, 4 mg/L, Aug 22, 1960.
SEDIMENT LOADS: Maximum daily, 2,790,000 tons, Oct 14, 1941; minimum daily, 14 tons, Aug 22, 1960.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum observed, 1,670 microsiemens/cm, Feb 14; minimum observed, 340 microsiemens/cm, Jun 3.
WATER TEMPERATURE: Maximum observed, 27.5°C, Jul 17; minimum observed, 1.0°C, Dec 28, 29, 30, 31.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
MAR 11...	0835	1.66	1,960	8.1	1,490	8.0	8.0	952
APR 22...	0830	1.96	2,370	8.2	840	15.0	12.0	528
MAY 28...	0800	7.75	17,500	8.1	420	21.0	17.0	239
JUL 07...	0830	2.62	3,620	8.3	890	25.0	22.0	575
AUG 19...	0815	2.10	2,800	7.7	1,200	19.0	22.0	790

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,620	1,490	1,460	1,530	1,500	1,500	1,180	760	350	870	1,160	1,230
2	1,480	1,460	1,480	1,510	1,490	1,510	---	780	345	840	1,160	1,240
3	1,490	1,380	1,540	1,500	1,490	1,460	1,230	780	340	850	1,170	1,250
4	1,470	1,400	1,490	1,490	1,480	1,480	1,240	790	355	880	1,380	1,250
5	1,370	1,420	1,460	1,460	1,510	1,500	1,230	810	380	900	1,190	1,260
6	1,500	1,350	1,420	1,480	1,490	1,500	1,190	810	405	880	1,190	1,280
7	1,510	1,410	1,410	1,480	1,520	1,500	1,200	830	485	890	1,210	1,300
8	1,490	1,390	1,410	1,490	1,500	1,510	1,010	870	445	910	1,230	1,290
9	1,480	1,390	1,430	1,470	1,500	1,520	1,170	910	530	920	1,220	1,230
10	1,450	1,410	1,410	1,480	1,550	1,540	1,230	940	560	960	1,200	1,300
11	1,450	1,310	1,420	1,460	1,550	1,460	1,200	940	580	990	1,190	1,090
12	1,450	1,390	1,440	1,460	1,590	1,490	1,190	970	560	1,020	1,200	1,250
13	1,470	1,370	1,460	1,500	1,610	1,460	1,020	990	570	1,030	1,210	1,210
14	1,460	1,340	1,450	1,460	1,670	1,440	1,040	1,010	560	1,040	1,220	1,130
15	1,470	1,380	1,490	1,460	1,620	1,430	1,000	980	570	1,030	1,220	1,120
16	1,480	1,410	1,520	1,480	1,530	1,340	1,140	910	580	1,080	1,220	1,160
17	1,480	1,410	1,520	1,470	1,430	1,550	940	830	600	1,080	1,320	1,160
18	1,470	1,350	1,490	1,460	1,410	1,230	840	710	580	1,100	1,180	1,170
19	1,470	1,400	1,480	1,480	1,390	1,200	830	580	600	1,130	1,280	1,190
20	1,490	1,390	1,500	1,470	1,430	1,230	870	560	640	1,330	1,270	1,220
21	1,480	1,410	1,490	1,480	1,460	1,240	890	510	670	1,130	1,220	1,200
22	1,500	1,440	1,520	1,520	1,480	1,290	930	490	680	1,150	1,190	1,210
23	1,500	1,440	1,480	1,500	1,480	1,320	980	480	690	1,150	1,210	1,190
24	1,520	1,460	1,480	1,510	1,510	1,320	1,020	470	710	1,160	1,210	1,190
25	1,550	1,470	1,490	1,500	1,520	1,330	1,000	440	730	1,180	1,470	1,190
26	1,520	1,450	1,550	1,500	1,510	1,390	1,010	430	740	1,180	1,340	1,190
27	1,520	1,470	1,540	1,480	1,500	1,370	1,000	410	770	1,210	1,260	1,200
28	1,520	1,470	1,550	1,470	1,500	1,290	980	410	810	1,220	1,290	1,220
29	1,500	1,460	1,580	1,460	---	1,240	870	390	840	1,250	1,230	1,200
30	1,490	1,490	1,580	1,480	---	1,200	810	370	870	1,190	1,230	1,200
31	1,520	---	1,570	1,450	---	1,200	---	360	---	1,140	---	---
MEAN	1,490	1,410	1,490	1,480	1,510	1,390	1,040	694	585	1,050	1,240	1,210

09180500 COLORADO RIVER NEAR CISCO, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	7.0	4.0	2.0	6.0	10.0	12.0	15.0	17.0	23.0	27.0	24.0
2	14.0	7.0	4.0	2.0	6.0	10.0	---	15.0	17.0	23.0	27.0	24.0
3	14.0	7.0	4.0	2.0	6.0	10.0	12.0	15.0	17.0	23.0	27.0	24.0
4	14.0	7.0	4.0	2.0	6.0	10.0	12.0	15.0	17.0	23.0	27.0	24.0
5	14.0	7.0	4.0	2.0	6.0	10.0	12.0	15.0	17.0	23.0	27.0	24.0
6	14.0	7.0	4.0	2.0	6.0	10.0	12.0	15.0	17.0	23.0	27.0	24.0
7	14.0	7.0	4.0	3.0	6.0	10.0	12.0	15.0	18.0	24.0	27.0	22.0
8	14.0	7.0	4.0	3.0	6.0	10.0	12.0	15.0	18.0	24.0	27.0	22.0
9	14.0	7.0	4.0	3.0	6.0	10.0	12.0	15.0	18.0	24.5	27.0	22.0
10	14.0	7.0	4.0	3.0	6.0	10.0	12.0	15.0	18.0	24.0	27.0	22.0
11	14.0	6.0	4.0	4.0	6.0	11.0	12.0	15.0	19.0	25.0	26.0	21.0
12	14.0	6.0	4.0	4.0	6.0	11.0	12.0	15.0	19.0	25.0	26.0	21.0
13	14.0	6.0	4.0	4.0	6.0	11.0	12.0	15.0	19.0	25.0	26.0	21.0
14	14.0	6.0	4.0	4.0	6.0	11.0	12.0	15.0	20.0	26.0	26.0	21.0
15	14.0	6.0	4.0	4.0	6.0	11.0	12.0	15.0	20.0	26.0	26.0	21.0
16	14.0	6.0	4.0	4.0	6.0	11.0	12.0	15.0	20.0	27.0	26.0	21.0
17	14.0	6.0	3.0	5.0	7.0	11.0	13.0	15.0	20.0	27.5	26.0	21.0
18	14.0	6.0	3.0	5.0	7.0	11.0	14.0	15.0	20.0	27.0	26.0	21.0
19	14.0	6.0	3.0	5.0	7.0	11.0	14.0	15.0	20.0	27.0	25.0	21.0
20	14.0	6.0	3.0	5.0	7.0	11.0	14.0	16.0	20.0	27.0	25.0	21.0
21	12.0	6.0	3.0	5.0	7.0	12.0	14.0	16.0	20.0	27.0	25.0	21.0
22	12.0	6.0	2.0	6.0	7.0	12.0	14.0	16.0	20.0	27.0	25.0	20.0
23	12.0	6.0	2.0	6.0	7.0	12.0	14.0	16.0	20.0	27.0	25.0	20.0
24	12.0	6.0	2.0	6.0	7.0	12.0	15.0	16.0	22.0	27.0	25.0	20.0
25	12.0	6.0	2.0	6.0	7.0	12.0	15.0	16.0	22.0	27.0	25.0	20.0
26	12.0	6.0	2.0	7.0	7.0	12.0	15.0	16.0	22.0	27.0	25.0	20.0
27	11.0	5.0	2.0	7.0	7.0	12.0	15.0	17.0	22.0	27.0	25.0	18.0
28	11.0	5.0	1.0	7.0	7.0	12.0	15.0	17.0	22.0	27.0	25.0	18.0
29	11.0	5.0	1.0	7.0	---	12.0	15.0	17.0	22.0	27.0	25.0	18.0
30	11.0	5.0	1.0	7.0	---	12.0	15.0	17.0	22.0	27.0	25.0	18.0
31	11.0	---	1.0	7.0	---	12.0	---	17.0	---	27.0	25.0	---
MEAN	13.1	6.2	3.1	4.5	6.4	11.0	13.2	15.5	19.5	25.6	25.9	21.2

09182400 CASTLE CREEK BELOW CASTLE VALLEY, NEAR MOAB, UT

LOCATION.--Lat 38°40'26", long 109°26'58", in SE¼SW¼NE¼ sec. 35, T. 24 S., R. 22 E., Grand County, Hydrologic Unit 14030005, on left bank and 16.5 mi northwest of Moab.

DRAINAGE AREA.--58.1 mi^2.

PERIOD OF RECORD.--April 1992 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 4,120 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Small diversions for irrigation above and below the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 296 ft^3/s, Jul 28, 1998, gage height, 7.43 ft; minimum daily discharge, 3.1 ft^3/s, Jun 5, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 10	1800	*10	*5.61				

Minimum daily discharge, 3.3 ft^3/s, Aug 2, 3.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e5.0	5.1	6.3	6.3	6.5	6.2	4.6	4.2	4.5	3.9	3.5	3.9
2	e6.0	5.3	6.2	6.3	7.2	6.2	4.5	3.9	4.8	3.9	3.3	3.9
3	e5.4	5.0	6.2	6.2	6.8	6.3	4.3	3.9	4.6	3.9	3.3	3.9
4	e5.1	5.0	6.2	6.3	6.7	6.5	4.0	4.3	4.8	3.8	3.4	3.9
5	e5.0	4.7	6.2	6.3	6.6	6.4	4.0	4.0	4.4	3.8	3.5	4.0
6	e4.9	5.4	6.2	6.3	6.7	6.1	4.1	4.1	4.5	3.8	3.4	4.1
7	e4.9	5.5	6.3	6.3	6.6	6.1	4.1	3.9	4.4	3.8	3.5	4.2
8	4.9	5.5	6.3	6.3	6.6	6.1	3.9	4.0	4.1	3.9	3.5	4.1
9	4.6	5.8	6.3	6.3	6.7	6.0	3.9	4.0	4.2	4.1	3.4	4.3
10	4.6	5.8	6.3	6.3	6.9	6.0	3.9	4.0	4.2	4.1	3.4	4.4
11	4.1	5.9	6.4	6.4	6.8	6.1	3.9	4.0	4.1	3.9	3.4	4.4
12	4.1	6.0	6.4	6.4	6.7	6.0	3.9	4.2	4.2	3.8	3.6	4.3
13	4.5	6.1	6.4	6.4	6.8	6.0	3.9	4.1	4.2	3.7	3.7	4.2
14	4.3	6.0	6.4	6.4	6.5	5.9	3.9	3.9	4.3	3.8	3.5	4.5
15	4.3	6.0	6.3	6.3	6.4	5.2	4.0	4.9	4.2	3.7	3.5	4.3
16	4.2	6.0	6.3	6.4	6.4	4.2	4.0	4.1	4.1	3.7	3.8	4.2
17	4.5	6.1	6.3	6.4	6.4	4.6	4.0	4.1	4.1	3.8	3.9	4.1
18	4.4	6.0	6.3	6.4	6.4	4.4	4.2	4.2	4.2	3.7	3.7	4.3
19	4.3	5.8	6.3	6.5	6.2	3.8	4.1	4.4	4.3	3.6	3.9	4.5
20	4.1	5.4	6.2	6.5	6.3	3.8	4.2	4.3	4.4	3.7	4.0	4.6
21	3.9	5.3	6.3	6.4	6.3	4.0	4.1	4.2	4.3	3.7	3.8	4.5
22	4.0	5.4	6.3	6.4	6.2	3.7	4.2	4.1	4.2	3.7	3.6	4.4
23	4.0	5.4	6.3	6.4	6.3	3.8	4.3	4.1	4.1	3.7	3.9	4.4
24	4.4	5.3	6.2	6.4	6.2	4.1	4.3	4.2	4.2	3.7	3.8	4.4
25	4.4	5.3	6.2	6.4	6.4	4.3	4.1	4.3	4.1	3.7	3.8	4.5
26	4.8	5.2	6.2	6.4	6.7	4.1	4.0	4.3	3.7	3.7	3.9	4.4
27	4.6	5.4	6.1	6.5	6.5	4.1	4.0	4.1	3.9	3.7	3.9	4.4
28	4.7	6.0	6.1	6.5	6.5	4.1	3.9	4.2	3.9	3.8	3.8	4.4
29	4.8	6.5	6.2	6.5	---	4.1	3.9	4.3	3.9	3.7	3.8	4.4
30	4.9	6.4	6.2	6.5	---	4.1	3.9	4.3	3.8	3.8	3.9	4.3
31	5.2	---	6.4	6.5	---	4.6	---	4.6	---	3.7	3.8	---
TOTAL	142.9	168.6	194.3	197.9	183.3	156.9	122.1	129.2	126.7	117.3	113.2	128.2
MEAN	4.61	5.62	6.27	6.38	6.55	5.06	4.07	4.17	4.22	3.78	3.65	4.27
MAX	6.0	6.5	6.4	6.5	7.2	6.5	4.6	4.9	4.8	4.1	4.0	4.6
MIN	3.9	4.7	6.1	6.2	6.2	3.7	3.9	3.9	3.7	3.6	3.3	3.9
AC-FT	283	334	385	393	364	311	242	256	251	233	225	254

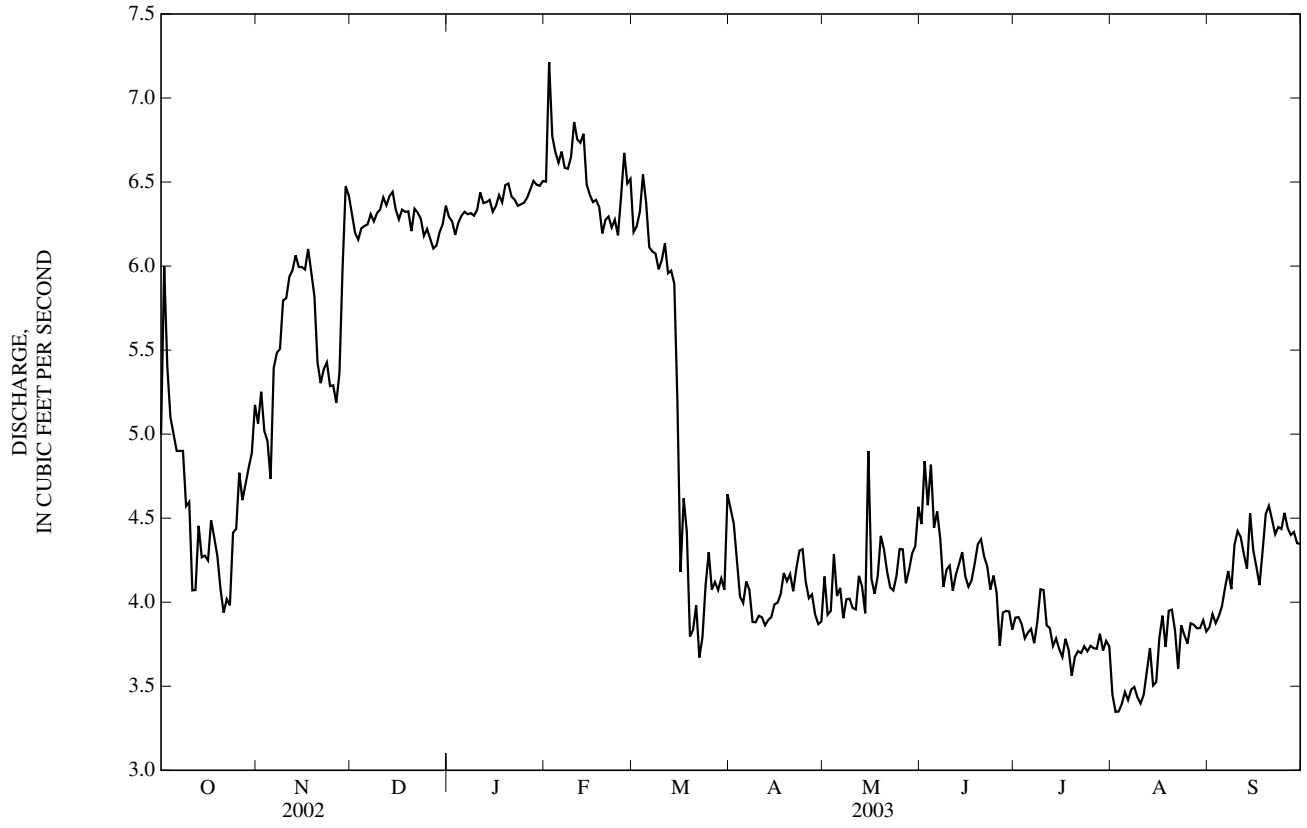
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	6.21	7.45	7.22	7.08	6.99	7.00	6.11	6.19	6.41	5.12	4.67	5.28
MAX	8.33	8.95	8.36	8.53	8.37	8.77	8.43	17.2	15.4	9.85	6.72	7.50
(WY)	(1998)	(1998)	(1996)	(1993)	(1998)	(1998)	(1993)	(1993)	(1993)	(1995)	(1997)	(1997)
MIN	4.09	5.62	6.27	5.64	6.19	5.06	4.07	3.93	3.48	3.31	3.45	3.62
(WY)	(2001)	(2003)	(2003)	(1999)	(2000)	(2003)	(2003)	(2000)	(2000)	(1994)	(2002)	(2000)

09182400 CASTLE CREEK BELOW CASTLE VALLEY, NEAR MOAB, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	1,888.9		1,780.6			
ANNUAL MEAN	5.18		4.88		6.30	
HIGHEST ANNUAL MEAN					8.84	1993
LOWEST ANNUAL MEAN					4.88	2003
HIGHEST DAILY MEAN	7.2	Mar 18	7.2	Feb 2	34	May 27, 1993
LOWEST DAILY MEAN	3.2	Aug 8	3.3	Aug 2	3.1	Jun 5, 2000
ANNUAL SEVEN-DAY MINIMUM	3.3	Aug 4	3.4	Aug 1	3.2	Jul 7, 1994
ANNUAL RUNOFF (AC-FT)	3,750		3,530		4,560	
10 PERCENT EXCEEDS	6.8		6.4		8.4	
50 PERCENT EXCEEDS	5.0		4.4		6.3	
90 PERCENT EXCEEDS	3.5		3.8		3.8	

e Estimated



09183500 MILL CREEK AT SHELEY TUNNEL, NEAR MOAB, UT

LOCATION.--Lat 38°28'59", long 109°24'12", in NW¼NW¼SW¼, sec. 4, T. 27 S., R. 23 E. in San Juan County, Hydrologic Unit 14030005 on the left bank 1,000 ft above Sheley Tunnel, and 9 mi southeast of Moab.

DRAINAGE AREA.--26.8 mi^2.

PERIOD OF RECORD.--October 1954 to September 1959, October 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,500 ft above NGVD of 1929, from a topographic map. Prior to October 1, 1987 at different site and datum.

REMARKS.--Records good except for estimated daily discharges, which are poor. Small diversion for irrigation above the station. Sheley Tunnel, which diverts water from Mill Creek for K. E. McDougald Reservoir, is located 1,000 ft below the gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,080 ft^3/s, Aug 8, 1993, gage height, 7.66 ft from floodmarks, from rating curve extended above 340 ft^3/s, on basis of slope-area measurement of peak flow; minimum recorded, 2.1 ft^3/s, Apr 5, 1955 and Aug 26, 27, 28, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 2	0245	*76	*3.17				

Minimum daily discharge, 2.8 ft^3/s, Feb 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.4	3.9	3.7	3.8	3.6	3.6	4.7	11	41	8.0	6.0	5.0
2	7.7	3.7	3.6	3.7	3.7	3.4	4.7	11	40	7.5	6.0	4.9
3	4.1	3.5	3.6	3.7	3.6	3.5	4.7	12	37	7.3	6.0	4.9
4	3.5	3.7	3.4	3.7	3.5	3.6	4.5	14	32	7.1	5.8	4.8
5	3.4	3.6	3.6	3.7	3.6	3.6	4.4	11	29	6.9	5.6	4.8
6	3.3	3.6	3.6	3.7	3.0	3.5	4.5	9.9	25	6.7	5.5	5.1
7	3.3	3.7	3.6	3.6	e3.0	3.5	4.4	9.5	23	6.6	5.6	5.0
8	3.3	3.8	3.6	3.6	e2.8	3.5	4.4	8.9	22	6.5	5.5	4.6
9	3.3	6.4	3.4	3.7	3.7	3.5	4.6	9.9	22	6.3	5.5	4.7
10	3.2	3.8	3.6	3.7	3.7	3.5	5.4	8.6	21	6.2	5.4	5.0
11	3.3	3.8	3.6	3.8	3.8	3.6	6.4	9.0	20	6.1	5.3	5.0
12	3.3	3.7	3.8	3.7	3.7	3.6	7.2	11	19	6.1	5.3	4.7
13	3.3	3.8	3.8	3.7	4.0	3.7	7.6	11	17	6.0	5.1	4.4
14	3.5	3.8	3.8	3.7	4.1	3.8	9.3	11	16	6.1	5.0	4.4
15	3.5	3.7	3.8	3.6	3.8	3.7	9.4	20	16	6.0	5.7	4.3
16	3.4	3.4	3.8	3.6	3.6	3.8	7.2	20	e15	5.8	5.6	4.2
17	3.4	3.8	3.9	3.7	3.6	4.3	7.5	22	13	5.9	6.0	4.1
18	3.4	3.5	3.8	3.6	3.6	4.1	7.6	23	12	5.8	5.6	4.2
19	3.4	3.5	3.5	3.7	3.5	3.9	6.2	24	12	5.7	5.3	4.2
20	3.4	3.5	3.8	3.7	3.6	3.9	5.8	30	12	5.6	5.2	4.2
21	3.4	3.5	3.8	3.7	3.5	3.9	5.9	28	11	5.4	5.1	4.1
22	3.5	3.5	3.8	3.6	3.5	3.9	6.2	30	10	5.5	5.2	4.0
23	3.7	3.5	3.8	3.6	3.5	4.1	6.2	32	10	5.6	6.4	3.9
24	3.7	3.5	3.8	3.6	3.6	4.4	6.5	32	10	5.7	6.2	3.8
25	3.6	3.5	3.9	3.6	3.7	4.2	9.6	31	10	6.1	5.9	3.8
26	3.6	3.0	3.7	3.6	3.8	4.2	13	30	9.6	5.8	5.7	3.8
27	3.7	2.9	3.7	3.6	3.7	4.2	15	31	9.4	5.7	5.7	3.7
28	3.7	3.0	3.8	3.6	3.6	4.1	e16	33	9.1	5.9	5.6	3.7
29	3.7	3.1	3.8	3.6	---	4.0	13	35	8.8	5.8	5.3	3.7
30	3.7	3.3	3.8	3.6	---	4.3	11	40	8.5	5.7	5.3	3.7
31	3.9	---	3.8	3.6	---	4.4	---	41	---	5.6	5.2	---
TOTAL	112.6	109.0	115.0	113.4	100.4	119.3	222.9	649.8	540.4	191.0	172.6	130.7
MEAN	3.63	3.63	3.71	3.66	3.59	3.85	7.43	21.0	18.0	6.16	5.57	4.36
MAX	7.7	6.4	3.9	3.8	4.1	4.4	16	41	41	8.0	6.4	5.1
MIN	3.2	2.9	3.4	3.6	2.8	3.4	4.4	8.6	8.5	5.4	5.0	3.7
AC-FT	223	216	228	225	199	237	442	1,290	1,070	379	342	259

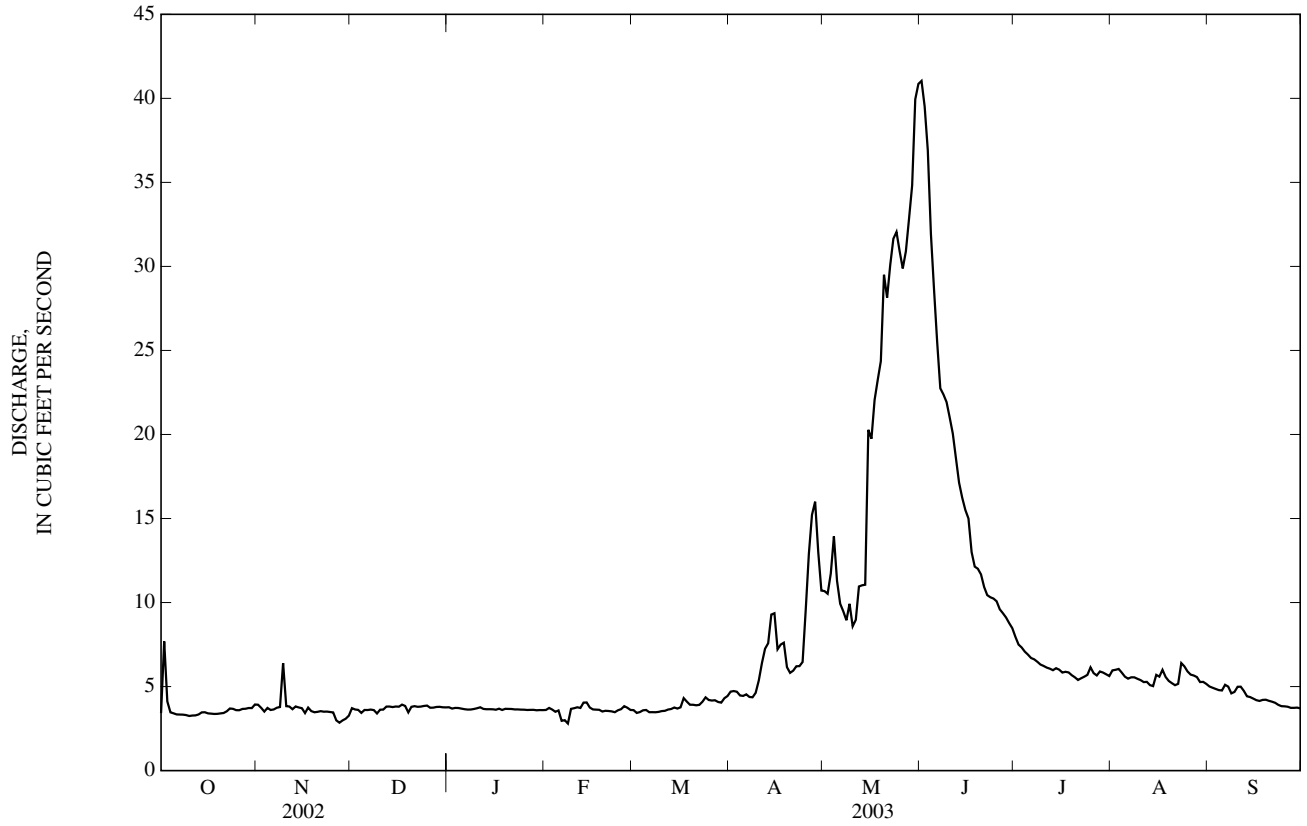
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1955-59, 1988-2003, BY WATER YEAR (WY)

MEAN	8.16	7.20	6.54	6.00	5.63	6.19	10.6	26.8	25.5	13.6	9.76	8.29
MAX	15.4	15.6	11.0	8.82	8.06	9.43	22.2	70.5	67.9	40.7	18.7	13.5
(WY)	(1998)	(1988)	(1988)	(1988)	(1988)	(1988)	(1958)	(1958)	(1957)	(1995)	(1993)	(1993)
MIN	3.63	3.63	3.71	3.66	3.59	3.85	5.42	6.54	4.40	2.78	2.48	3.92
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)

09183500 MILL CREEK AT SHELEY TUNNEL, NEAR MOAB, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1955-59, 1988-2003	
ANNUAL TOTAL	1,560.8		2,577.1			
ANNUAL MEAN	4.28		7.06		11.2	
HIGHEST ANNUAL MEAN					20.4	1993
LOWEST ANNUAL MEAN					4.73	2002
HIGHEST DAILY MEAN	11	Sep 11	41	May 31	141	May 27, 1993
LOWEST DAILY MEAN	2.2	Aug 26	2.8	Feb 8	2.2	Aug 26, 2002
ANNUAL SEVEN-DAY MINIMUM	2.3	Aug 23	3.2	Nov 24	2.3	Aug 23, 2002
ANNUAL RUNOFF (AC-FT)	3,100		5,110		8,120	
10 PERCENT EXCEEDS	6.5		13		22	
50 PERCENT EXCEEDS	3.9		4.1		7.2	
90 PERCENT EXCEEDS	2.6		3.5		4.6	

e Estimated



09217000 GREEN RIVER NEAR GREEN RIVER, WY

LOCATION.--Lat 41°30'59", long 109°26'54", in NW¼ NE¼ NE¼ 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^2, of which 4,260 mi^2, including 3,959 mi^2 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^3/s, June 19, 1918, at site 1.5 mi upstream.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	608	595	e600	e620	e620	e660	1,580	1,380	1,290	903	577	826
2	677	629	e600	e610	e620	e660	1,540	1,410	1,290	748	632	810
3	667	614	593	e600	e620	e660	1,590	1,400	1,300	703	649	820
4	661	624	608	e620	e620	e660	1,540	1,370	1,290	700	665	763
5	614	607	632	e630	e630	e680	1,450	1,350	1,220	695	653	703
6	593	589	631	e630	e630	e690	1,430	1,350	1,060	688	656	729
7	592	585	604	e620	e610	e690	1,370	1,390	1,000	691	674	704
8	591	583	e620	e620	e600	e700	1,310	1,380	989	682	716	702
9	584	693	e620	e620	e610	e690	1,290	1,390	995	685	736	734
10	581	983	e620	e620	e620	e680	1,270	1,420	986	686	707	738
11	592	626	e620	e610	e630	e680	1,360	1,380	956	684	697	721
12	593	627	e610	e600	e640	688	1,460	1,370	920	676	711	695
13	583	628	e600	e610	e665	699	1,630	1,370	938	669	703	700
14	598	619	e600	e620	e670	692	e1,530	1,380	931	660	697	693
15	606	610	e600	e635	e680	700	e1,450	1,390	932	647	675	691
16	591	634	e610	e640	e670	765	e1,400	1,400	922	643	634	690
17	578	623	e610	e630	e670	794	e1,380	1,380	933	634	623	696
18	600	623	e610	e620	e670	795	e1,400	1,370	897	634	599	696
19	607	634	e620	e630	e660	e800	1,460	1,310	928	627	600	713
20	607	610	e610	e620	e660	e1,200	1,560	1,290	925	623	600	703
21	601	609	e600	e610	e660	e1,350	1,540	1,290	944	608	577	696
22	603	607	e600	e610	e660	1,440	1,500	1,300	966	607	614	691
23	623	588	e600	e610	e660	1,570	1,480	1,300	983	607	684	686
24	623	597	e600	e620	e660	1,520	1,520	1,300	1,200	584	648	685
25	606	579	e600	e620	e640	1,610	1,450	1,310	1,160	586	631	683
26	605	570	e620	e620	e650	1,670	1,450	1,300	1,050	611	602	677
27	603	e600	e620	e620	e660	1,800	1,370	1,310	1,030	584	613	677
28	616	e620	e620	e620	e660	1,780	1,370	1,350	1,150	566	675	674
29	620	e610	e620	e620	---	1,720	1,380	1,340	1,150	559	676	673
30	597	e620	e620	e620	---	1,720	1,380	1,360	1,080	555	950	678
31	612	---	e620	e620	---	1,650	---	1,330	---	556	1,020	---
TOTAL	18,832	18,736	18,938	19,195	18,045	32,413	43,440	41,970	31,415	20,101	20,894	21,347
MEAN	607	625	611	619	644	1,046	1,448	1,354	1,047	648	674	712
MAX	677	983	632	640	680	1,800	1,630	1,420	1,300	903	1,020	826
MIN	578	570	593	600	600	660	1,270	1,290	897	555	577	673
AC-FT	37,350	37,160	37,560	38,070	35,790	64,290	86,160	83,250	62,310	39,870	41,440	42,340

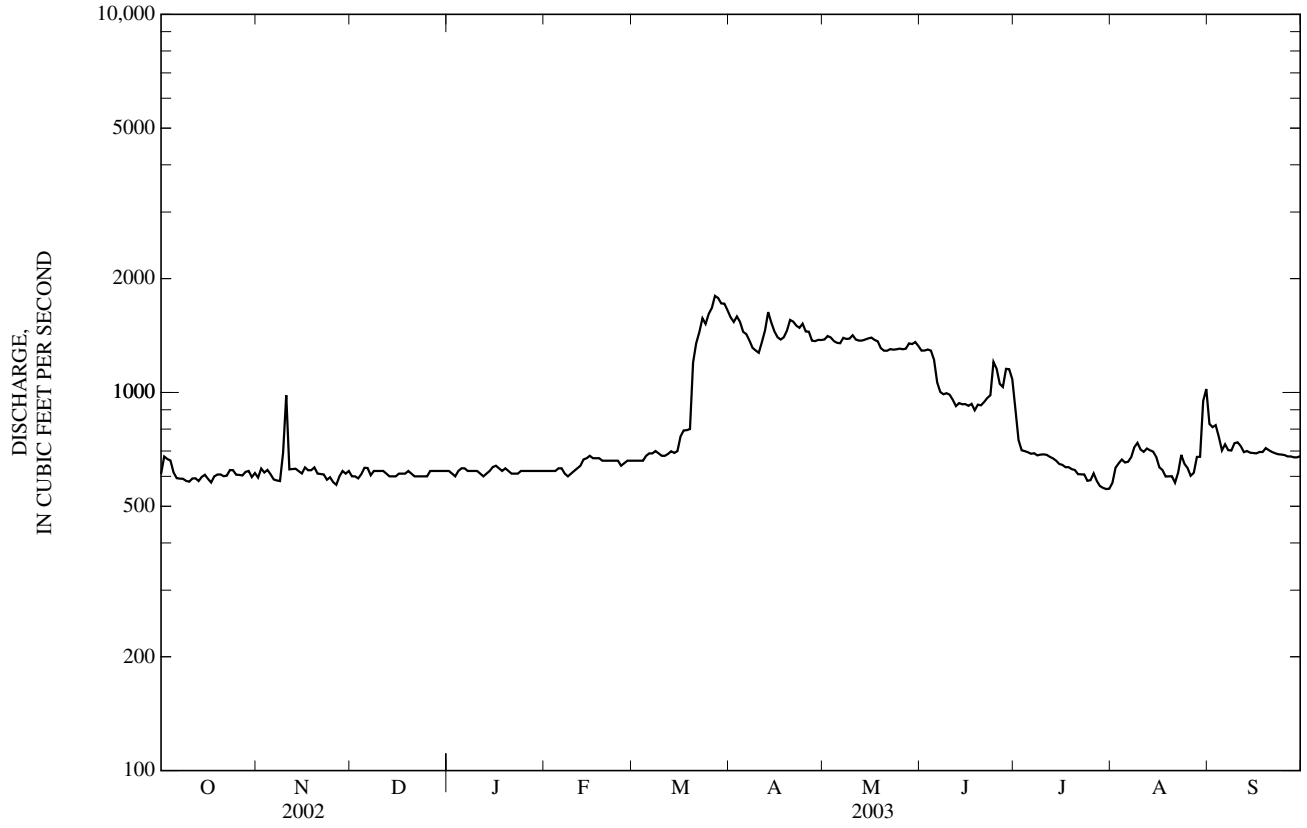
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2003, BY WATER YEAR (WY)

MEAN	956	847	733	752	821	1,033	1,609	2,530	4,670	3,134	1,531	1,112
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)	(1986)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1952 - 2003	
ANNUAL TOTAL	223,942		305,326		--	
ANNUAL MEAN	614		837		1,646	
HIGHEST ANNUAL MEAN	--		--		3,089	1986
LOWEST ANNUAL MEAN	--		--		576	2002
HIGHEST DAILY MEAN	1,480	May 12	1,800	Mar 27	16,700	Sep 7, 1965
LOWEST DAILY MEAN	400	Jan 31	555	Jul 30	170	Nov 16, 1955
ANNUAL SEVEN-DAY MINIMUM	434	Apr 13	573	Jul 26	214	Dec 24, 1962
MAXIMUM PEAK FLOW	--		1,880 [a]	Mar 27	16,800 [b]	Sep 7, 1965
MAXIMUM PEAK STAGE	--		2.95[c]	Feb 11	8.53[b]	Sep 7, 1965
ANNUAL RUNOFF (AC-FT)	444,200		605,600		1,192,000	
10 PERCENT EXCEEDS	778		1,390		3,590	
50 PERCENT EXCEEDS	578		669		1,070	
90 PERCENT EXCEEDS	480		600		460	

a Gage height, 2.54 ft.
b Caused by emergency release from Fontenelle Reservoir.
c Backwater from ice.
e Estimated.



09217900 BLACKS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 40°57'33", long 110°34'46", in SW¼ SW¼ SW¼ 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^2.

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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	54	e34	e19	e20	e9.0	e64	94	1,550	316	81	62
2	67	56	e31	e18	e19	e10	e64	94	1,220	301	82	58
3	67	62	e29	e19	e16	e10	e60	105	929	279	87	57
4	65	61	e28	e19	e14	e11	e55	109	778	261	81	55
5	65	56	e27	e18	e11	e11	e50	92	668	243	73	56
6	65	53	e27	e18	e9.0	e12	e46	82	612	227	68	73
7	67	54	e26	e19	e7.0	e12	e43	84	562	213	63	67
8	65	51	e25	e18	e5.8	e13	e40	80	506	197	63	56
9	62	51	e26	e19	e6.0	e13	e41	79	515	186	61	59
10	60	54	e26	e18	e6.2	e14	42	77	519	173	63	69
11	59	52	e25	e19	e6.5	e14	44	73	493	163	75	68
12	56	61	e24	e19	e7.0	e14	51	82	474	157	63	57
13	57	58	e24	e19	e8.0	e15	70	117	433	149	62	49
14	56	54	e23	e20	e9.0	e16	96	153	397	143	81	47
15	55	56	e22	e19	e10	e17	101	215	382	134	87	45
16	55	60	e21	e19	e10	e19	88	302	361	130	71	44
17	54	58	e20	e19	e9.0	e21	86	394	348	128	95	43
18	53	55	e21	e20	e8.0	e23	82	443	333	133	65	46
19	54	55	e21	e19	e8.0	e25	74	437	314	142	60	46
20	54	53	e20	e20	e7.0	e28	66	418	293	133	57	41
21	53	52	e19	e21	e7.0	e31	75	450	321	121	58	39
22	53	53	e18	e22	e8.0	e36	83	529	433	112	70	38
23	53	e52	e17	e23	e7.0	e38	68	655	397	109	83	36
24	54	51	e16	e22	e7.0	e38	75	736	389	112	72	35
25	55	51	e18	e21	e7.4	e36	97	813	395	128	66	33
26	55	e49	e19	e20	e8.0	e35	125	1,040	413	120	60	32
27	52	e45	e20	e21	e8.5	e38	128	1,180	397	110	65	32
28	51	e41	e20	e21	e9.0	e40	125	1,350	357	104	59	30
29	51	e39	e21	e21	---	e44	120	1,520	329	98	62	29
30	52	e37	e20	e20	---	e51	110	1,780	322	91	161	28
31	53	---	e19	e19	---	e58	---	1,650	---	84	74	---
TOTAL	1,786	1,584	707	609	258.4	752.0	2,269	15,233	15,440	4,997	2,268	1,430
MEAN	57.6	52.8	22.8	19.6	9.23	24.3	75.6	491	515	161	73.2	47.7
MAX	68	62	34	23	20	58	128	1,780	1,550	316	161	73
MIN	51	37	16	18	5.8	9.0	40	73	293	84	57	28
AC-FT	3,540	3,140	1,400	1,210	513	1,490	4,500	30,210	30,630	9,910	4,500	2,840

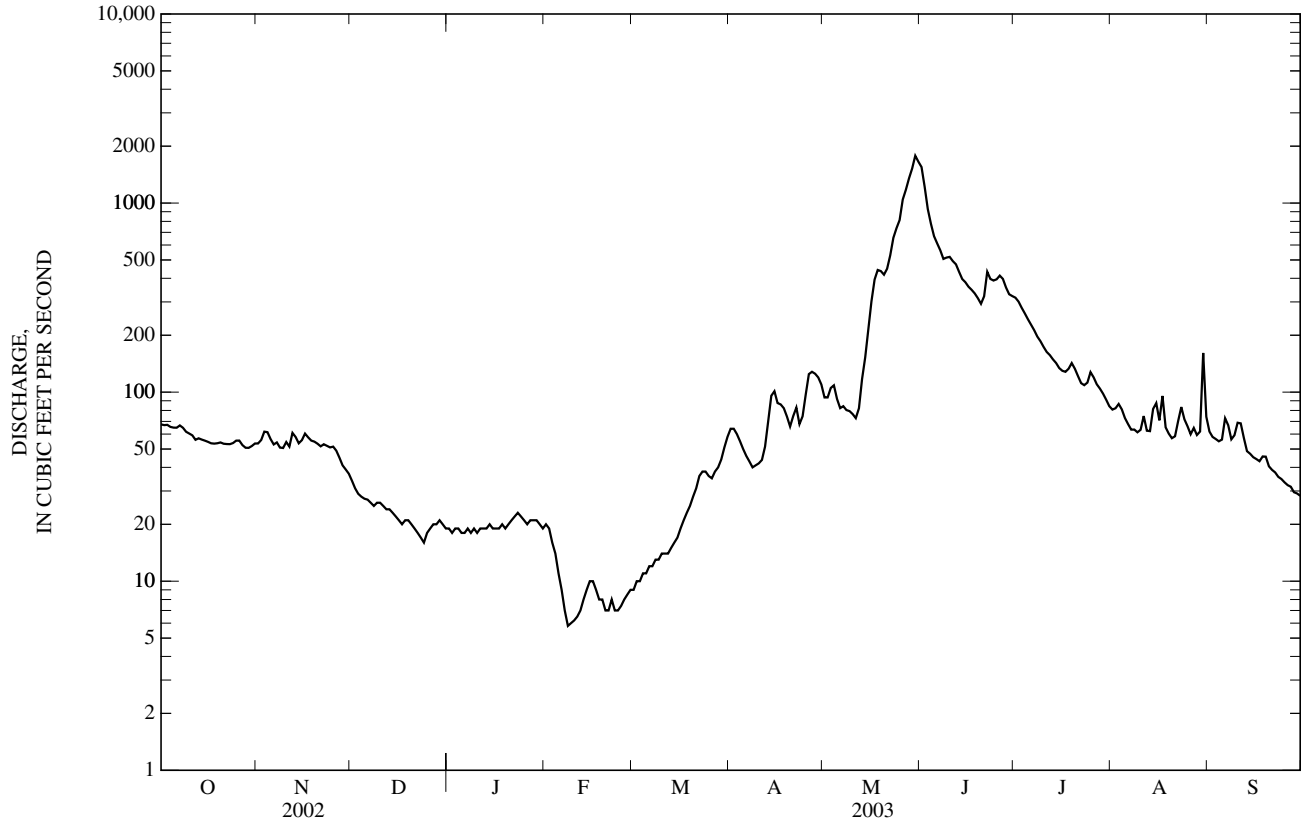
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY)

MEAN	52.7	40.1	32.0	26.8	23.2	24.4	51.7	399	737	318	104	66.7
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1966 - 2003	
ANNUAL TOTAL	22,725.0		47,333.4		--	
ANNUAL MEAN	62.3		130		157	
HIGHEST ANNUAL MEAN	--		--		228	1983
LOWEST ANNUAL MEAN	--		--		57.1	2002
HIGHEST DAILY MEAN	423	May 30	1,780	May 30	1,880	Jun 19, 1983
LOWEST DAILY MEAN	7.2	Mar 1	5.8[e]	Feb 8	3.2	Apr 2, 1994
ANNUAL SEVEN-DAY MINIMUM	7.7	Feb 27	6.6	Feb 7	3.9	Apr 2, 1994
MAXIMUM PEAK FLOW	--		2,080	May 30	2,480 [a]	Jun 19, 1983
MAXIMUM PEAK STAGE	--		4.54	May 30	5.17[b]	Jun 15, 1995
ANNUAL RUNOFF (AC-FT)	45,080		93,890		113,600	
10 PERCENT EXCEEDS	159		369		471	
50 PERCENT EXCEEDS	37		55		45	
90 PERCENT EXCEEDS	9.8		14		21	

a Gage height, 4.91 ft, site and datum then in use.
b Discharge , 2,210 ft ^{3}/s.
e Estimated.



09220000 EAST FORK OF SMITHS FORK NEAR ROBERTSON, WY

LOCATION.--Lat 41°03'15", long 100°23'52", in NE¼NW¼NE¼ 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^2.

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. 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 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 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	e17	e6.0	e6.0	e5.0	e4.0	5.2	3.9	111	111	72	33
2	17	e16	e6.0	e6.2	e4.7	e4.0	4.8	4.0	112	119	71	34
3	19	e16	e6.0	e6.6	e4.4	e4.0	5.0	4.1	118	119	69	35
4	19	e16	e6.0	e7.0	e4.0	e4.0	4.9	4.6	140	119	67	35
5	19	e17	e5.8	e7.0	e3.7	e4.0	4.8	4.8	158	119	53	35
6	19	e18	e6.0	e7.0	e3.5	e4.0	4.8	4.8	155	122	42	36
7	19	e17	e6.0	e7.0	e3.4	e4.0	4.5	5.3	152	122	41	35
8	19	e16	e6.4	e7.0	e3.0	e4.0	4.3	5.8	155	121	41	35
9	19	e16	e6.4	e7.0	e2.9	e4.1	4.2	6.5	155	121	41	33
10	19	e17	e6.8	e7.0	e2.7	e4.2	4.2	12	155	121	41	32
11	19	e17	e6.2	e7.0	e2.6	e4.3	4.1	7.2	155	120	41	31
12	19	e18	e5.8	e7.0	e2.8	e4.3	4.0	7.6	155	120	41	31
13	19	e17	e6.0	e7.0	e3.0	4.5	3.8	9.2	155	120	41	31
14	19	e16	e6.0	e6.8	e3.2	4.7	3.8	9.4	155	117	41	31
15	19	e16	e6.0	e6.6	e3.5	4.9	3.8	9.2	155	116	41	31
16	19	e16	e6.0	e6.6	e3.5	4.9	3.8	9.4	152	115	41	38
17	19	e16	e5.6	e6.6	e3.5	5.0	3.7	9.6	145	112	41	47
18	15	e16	e6.0	e6.4	e3.4	5.0	3.5	9.6	139	111	40	47
19	16	e15	e6.0	e6.4	e3.3	4.9	3.5	37	139	111	37	46
20	16	e14	e6.0	e6.0	e3.4	5.2	3.4	67	139	108	33	45
21	16	e13	e6.0	e6.0	e3.4	5.1	3.4	74	142	107	33	45
22	16	e12	e6.0	e6.0	e3.4	5.1	3.5	83	141	102	33	45
23	16	e11	e6.0	e6.0	e3.4	5.2	3.5	86	143	94	33	52
24	16	e10	e6.0	e6.0	e3.6	5.4	3.4	88	127	94	33	61
25	16	e9.0	e5.6	e5.8	e3.8	5.4	3.4	93	106	94	33	58
26	16	e8.0	e5.3	e5.6	e3.9	5.4	3.4	95	105	92	33	60
27	16	e7.0	e5.6	e5.6	e4.0	5.5	3.4	101	104	92	33	61
28	16	e6.0	e5.8	e5.4	e4.0	5.6	3.4	106	103	91	33	60
29	12	e6.4	e6.0	e5.4	---	5.7	3.4	120	103	77	33	60
30	e14	e6.0	e6.4	e5.4	---	5.5	3.8	127	103	74	34	43
31	e16	---	e6.2	e5.4	---	5.6	---	119	---	75	33	---
TOTAL	539	415.4	185.9	196.8	99.0	147.5	118.7	1,323.0	4,077	3,336	1,299	1,266
MEAN	17.4	13.8	6.00	6.35	3.54	4.76	3.96	42.7	136	108	41.9	42.2
MAX	20	18	6.8	7.0	5.0	5.7	5.2	127	158	122	72	61
MIN	12	6.0	5.3	5.4	2.6	4.0	3.4	3.9	103	74	33	31
AC-FT	1,070	824	369	390	196	293	235	2,620	8,090	6,620	2,580	2,510

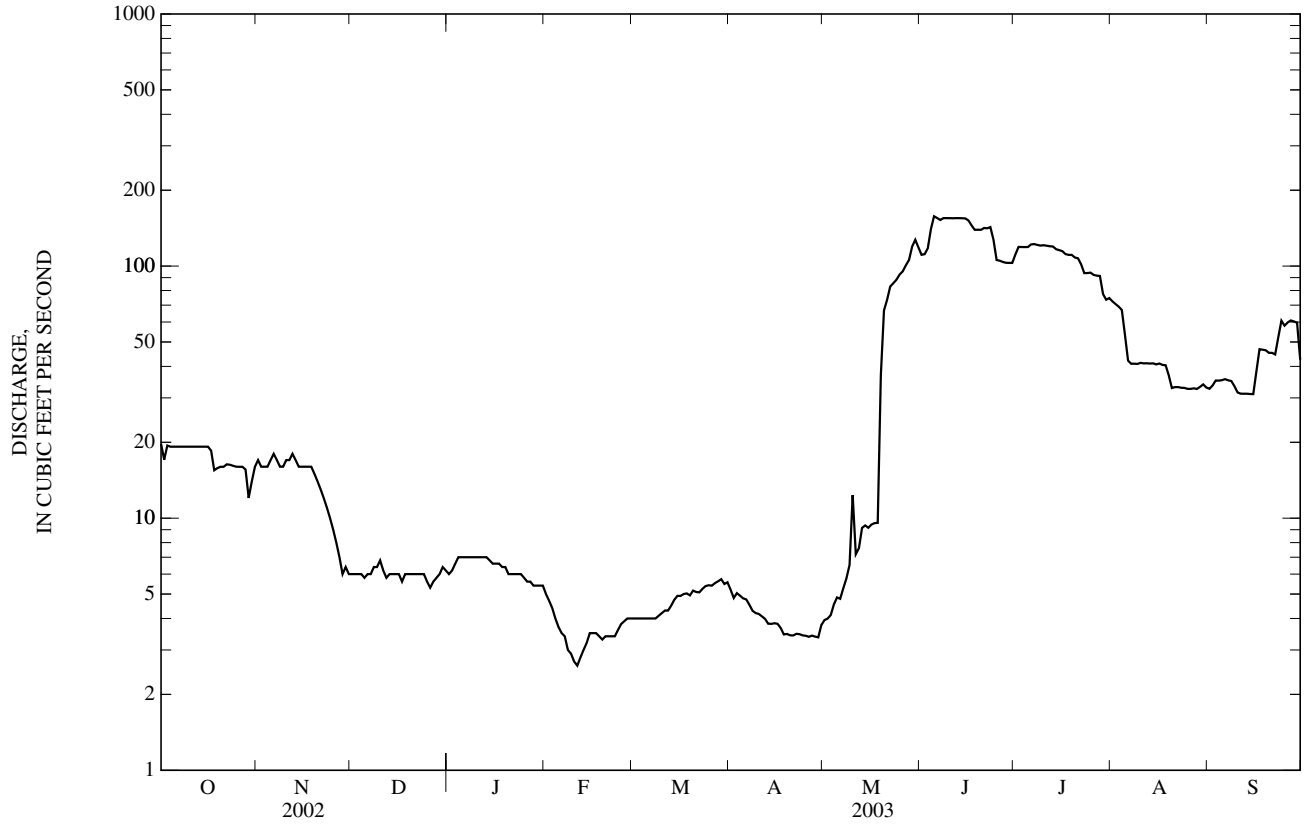
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	16.0	10.9	7.98	7.14	7.06	7.88	18.6	103	213	105	42.0	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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	9,042.7		13,003.3		--	
ANNUAL MEAN	24.8		35.6		46.1	
HIGHEST ANNUAL MEAN	--		--		88.9	1965
LOWEST ANNUAL MEAN	--		--		24.1	2002
HIGHEST DAILY MEAN	230	Jun 1	158	Jun 5	1,200	Jun 24, 1983
LOWEST DAILY MEAN	5.3	Dec 26	2.6	Feb 11	1.0	Dec 17, 1962
ANNUAL SEVEN-DAY MINIMUM	5.8	Dec 22	2.9	Feb 8	1.0	Dec 17, 1962
MAXIMUM PEAK FLOW	--		158 [a]	Jun 4-6	1,450	Jun 10, 1965
MAXIMUM PEAK STAGE	--		5.38[b]	Nov 4	6.75	Jun 10, 1965
ANNUAL RUNOFF (AC-FT)	17,940		25,790		33,420	
10 PERCENT EXCEEDS	66		118		138	
50 PERCENT EXCEEDS	11		15		13	
90 PERCENT EXCEEDS	6.0		3.8		5.6	

a Gage height, 4.91 ft.
b Backwater from ice.
e Estimated.



09234500 GREEN RIVER NEAR GREENDALE, UT

LOCATION.--Lat 40°54'30", long 109°25'20", in NW¼NW¼SE¼ 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^2, approximately, including about 4,260 mi^2 which is probably noncontributing. This noncontributing area includes 3,959 mi^2 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^3/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^3/s, Mar 20, 22, 27, 28, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,620 ft^3/s, May 23, gage height, 11.80 ft; minimum daily discharge, 751 ft^3/s, Jul 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	855	875	e880	860	858	896	830	821	3,090	775	797	852
2	854	875	874	860	860	1,010	833	821	2,660	776	809	853
3	853	875	875	860	855	1,220	834	821	2,290	764	810	854
4	855	879	880	853	879	855	834	822	1,880	763	824	854
5	854	880	875	854	835	855	834	822	1,700	767	826	860
6	853	880	875	859	833	857	828	820	1,280	771	821	861
7	853	887	876	e846	1,180	1,110	827	820	822	755	822	860
8	853	883	876	e834	1,160	1,010	826	820	793	751	823	860
9	854	881	876	e834	1,260	854	823	817	786	757	823	863
10	1,040	881	875	835	901	851	812	813	786	753	823	861
11	870	880	875	835	883	1,070	819	813	788	756	822	862
12	871	879	874	838	813	850	820	813	788	754	819	864
13	869	880	869	835	1,090	849	813	813	787	754	826	867
14	868	875	868	832	1,050	850	821	813	787	755	824	868
15	869	882	869	835	828	849	825	813	787	758	822	874
16	870	882	868	836	828	851	827	814	785	777	827	873
17	870	882	869	837	1,190	848	827	814	795	797	831	875
18	870	884	871	837	1,190	863	827	945	788	798	830	876
19	869	879	870	839	1,050	845	828	3,140	786	798	830	874
20	869	878	870	838	840	846	827	4,550	785	799	833	876
21	869	881	869	840	854	847	826	4,580	787	799	838	866
22	939	882	873	841	864	852	826	4,580	787	800	839	1,030
23	996	882	888	852	856	842	827	4,580	787	802	840	1,220
24	1,030	879	862	856	1,040	839	826	4,580	785	886	839	895
25	895	866	862	855	1,140	842	827	4,580	774	832	839	899
26	875	875	862	856	1,500	840	827	4,590	774	820	843	885
27	875	e882	861	856	1,920	840	827	4,580	770	868	848	888
28	878	e882	860	858	1,980	841	827	4,160	768	786	849	890
29	877	e882	863	861	---	837	820	3,790	768	794	850	890
30	877	e882	861	858	---	832	821	3,780	768	785	851	915
31	878	---	859	855	---	830	---	3,430	---	774	853	---
TOTAL	27,408	26,390	26,985	26,245	29,537	27,481	24,769	69,755	31,731	24,324	25,731	26,665
MEAN	884	880	870	847	1,055	886	826	2,250	1,058	785	830	889
MAX	1,040	887	888	861	1,980	1,220	834	4,590	3,090	886	853	1,220
MIN	853	866	859	832	813	830	812	813	768	751	797	852
AC-FT	54,360	52,340	53,520	52,060	58,590	54,510	49,130	138,400	62,940	48,250	51,040	52,890

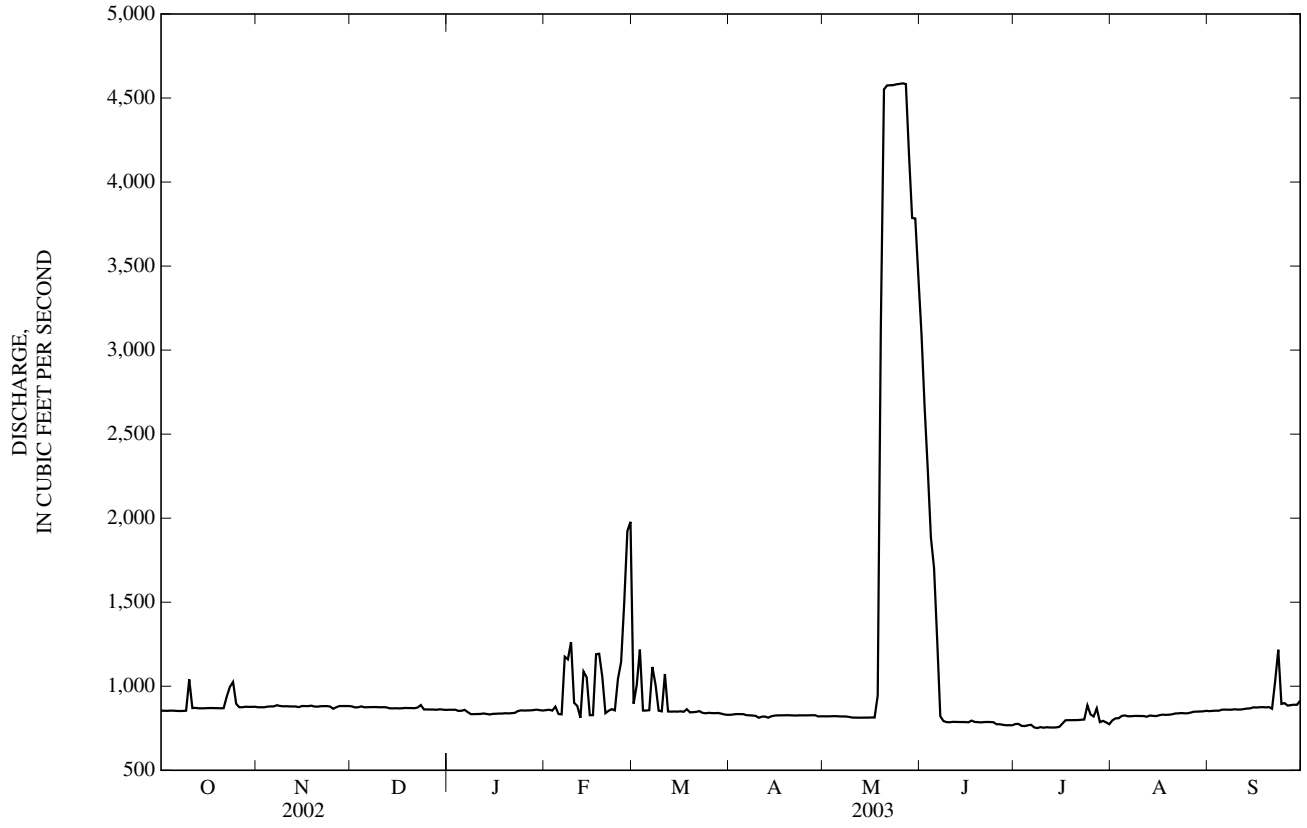
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	1,850	2,001	2,180	2,106	2,089	1,782	1,915	2,503	2,500	2,266	1,946	1,824
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	346,127		367,021			
ANNUAL MEAN	948		1,006		2,080	
HIGHEST ANNUAL MEAN					4,270	1983
LOWEST ANNUAL MEAN					936	2002
HIGHEST DAILY MEAN	3,970	May 22	4,590	May 26	12,300	Jul 16, 1983
LOWEST DAILY MEAN	789	Sep 4	751	Jul 8	90	Oct 8, 1963
ANNUAL SEVEN-DAY MINIMUM	800	Sep 4	754	Jul 7	112	Oct 2, 1963
ANNUAL RUNOFF (AC-FT)	686,500		728,000		1,507,000	
10 PERCENT EXCEEDS	882		1,040		3,710	
50 PERCENT EXCEEDS	842		854		1,800	
90 PERCENT EXCEEDS	814		787		864	

e Estimated



09234500 GREEN RIVER NEAR GREENDALE, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1956 to September 2000, October 2001 to current year.

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 current year.
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 seperate shelter 0.6 mi downstream from Flaming Gorge Dam. Instrument failure resulted in lost record for 1999.

EXTREMES FOR PERIOD OF DAILY RECORD.--(water years 1957-62, 1964-2000, 2002-2003).
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, 2002-2003): Maximum, 17.2°C, Jul 9, 1989; minimum 1.6°C, Mar 1, 2, 1987.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 14.9°C, Jul 31; minimum , 2.9°C, Dec 28, 29, Jan 10, 12, 17.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	11.1	10.3	10.8	7.9	7.6	7.7	5.9	5.8	5.8	3.4	3.1	3.2
2	10.8	10.2	10.5	8.1	7.8	7.9	5.9	5.7	5.8	3.4	3.2	3.3
3	10.9	10.5	10.7	8.0	7.3	7.7	5.9	---	5.6	3.4	3.2	3.3
4	10.8	10.6	10.7	7.9	7.3	7.6	---	---	---	3.4	3.2	3.2
5	10.8	10.5	10.6	8.3	7.7	8.0	6.2	---	---	3.3	3.0	3.1
6	11.0	10.5	10.7	7.8	7.3	7.5	6.1	5.8	6.0	3.3	3.0	3.1
7	10.9	10.5	10.7	7.6	7.0	7.3	5.9	5.7	5.8	3.2	3.0	3.1
8	11.0	10.6	10.7	7.8	7.1	7.4	5.9	5.7	5.8	3.2	---	---
9	10.9	10.5	10.7	8.1	7.1	7.7	5.8	5.5	5.7	3.1	---	---
10	11.0	7.1	10.6	8.1	---	---	5.6	5.5	5.5	3.1	2.9	3.0
11	11.1	10.6	10.9	8.1	---	---	5.6	5.5	5.5	3.4	3.1	3.2
12	11.0	10.5	10.8	7.9	7.3	7.6	5.7	5.5	5.6	3.1	2.9	3.0
13	10.7	10.3	10.5	7.5	7.2	7.4	5.6	5.4	5.5	3.2	3.0	3.1
14	10.9	10.3	10.5	7.7	7.4	7.5	5.4	5.1	5.3	3.2	3.1	3.1
15	10.9	10.4	10.6	7.7	7.5	7.6	5.4	4.8	5.1	3.2	3.0	3.1
16	10.8	10.4	10.6	7.5	7.0	7.3	5.2	4.8	5.1	3.2	3.0	3.1
17	10.7	10.3	10.5	7.1	7.0	7.1	5.2	5.0	5.1	3.2	2.9	3.1
18	10.8	10.3	10.5	7.2	6.6	6.9	5.1	4.9	5.0	3.3	3.0	3.1
19	10.8	10.4	10.5	6.8	6.4	6.6	5.0	4.8	4.9	---	---	---
20	10.7	10.3	10.4	6.7	6.4	6.6	4.8	4.7	4.7	---	---	---
21	10.6	7.5	9.4	6.7	6.4	6.5	4.7	4.4	4.6	---	---	---
22	7.8	7.3	7.6	6.6	6.4	6.5	4.6	4.3	4.4	---	---	---
23	7.7	7.1	7.4	6.6	6.3	6.4	4.4	4.2	4.3	---	---	---
24	7.9	7.4	7.5	6.7	6.4	6.5	4.3	4.0	4.2	---	---	---
25	7.6	7.4	7.5	6.9	6.4	6.6	4.2	4.0	4.1	---	---	---
26	7.8	7.5	7.6	6.7	6.1	6.4	4.1	3.8	4.0	---	---	---
27	7.9	7.5	7.7	6.3	6.1	6.2	3.9	3.2	3.6	---	---	---
28	7.9	7.6	7.7	6.2	6.0	6.0	3.2	2.9	3.0	---	---	---
29	7.7	7.2	7.5	6.0	5.9	6.0	3.1	2.9	3.0	---	---	---
30	7.6	7.1	7.3	6.0	5.8	5.9	3.3	3.1	3.2	---	---	---
31	7.9	7.4	7.6	---	---	---	3.3	3.1	3.2	---	---	---
MONTH	11.1	7.1	9.6	8.3	5.8	7.0	6.2	2.9	4.8	3.4	2.9	3.1

09234500 GREEN RIVER NEAR GREENDALE, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	4.9	4.4	4.6	6.9	5.9	6.2
2	---	---	---	---	---	---	4.7	4.4	4.5	6.8	6.2	6.4
3	---	---	---	3.8	---	---	4.8	4.4	4.5	7.5	5.8	6.5
4	---	---	---	3.5	3.2	3.4	4.8	4.4	4.5	7.0	6.1	6.6
5	---	---	---	3.6	3.2	3.3	4.7	4.4	4.5	7.6	6.1	6.8
6	---	---	---	3.7	3.2	3.4	5.0	4.5	4.7	8.0	6.5	7.0
7	---	---	---	3.6	3.3	3.5	5.1	4.6	4.7	7.3	6.5	6.8
8	---	---	---	3.8	3.4	3.5	5.1	4.5	4.7	7.7	6.6	7.1
9	---	---	---	3.9	3.5	3.6	5.1	4.5	4.6	7.6	6.4	6.9
10	---	---	---	4.0	3.5	3.7	5.1	4.5	4.7	7.6	6.8	7.3
11	---	---	---	4.0	3.6	3.8	5.1	4.6	4.7	7.5	6.9	7.2
12	---	---	---	4.1	3.7	3.8	4.9	4.5	4.7	8.9	6.9	7.4
13	---	---	---	4.2	3.8	3.9	5.0	4.5	4.7	9.6	8.2	8.8
14	---	---	---	4.2	3.8	4.0	5.1	4.5	4.8	9.1	7.1	8.4
15	---	---	---	4.3	3.9	4.1	5.7	4.5	4.9	9.5	8.4	8.8
16	---	---	---	4.2	4.0	4.1	5.6	4.7	5.1	9.5	7.1	8.5
17	---	---	---	4.1	3.9	4.1	5.3	4.7	5.0	9.0	7.8	8.6
18	---	---	---	4.1	3.9	4.0	5.3	4.9	5.1	10.3	7.7	8.8
19	---	---	---	4.2	3.9	4.1	5.4	4.9	5.2	9.5	7.5	8.4
20	---	---	---	4.2	4.1	4.1	5.4	4.8	5.0	7.6	7.0	7.4
21	---	---	---	4.4	4.0	4.1	5.4	4.9	5.0	9.5	7.3	7.9
22	---	---	---	4.5	4.1	4.2	5.3	4.6	5.0	9.8	7.7	8.9
23	---	---	---	4.6	4.1	4.3	6.8	4.5	5.4	9.7	7.9	9.0
24	---	---	---	4.6	4.2	4.4	6.5	5.3	5.8	9.7	8.1	9.3
25	---	---	---	4.8	4.4	4.5	5.8	5.4	5.6	9.8	8.3	9.2
26	---	---	---	4.8	4.4	4.6	6.2	5.2	5.5	9.6	8.1	9.1
27	---	---	---	4.8	4.4	4.6	5.8	5.1	5.4	9.9	8.4	9.3
28	---	---	---	4.6	4.3	4.4	5.8	5.2	5.4	9.9	8.0	9.3
29	---	---	---	4.8	4.2	4.5	6.0	5.1	5.5	12.0	8.9	10.1
30	---	---	---	4.9	4.4	4.6	6.2	5.2	5.7	11.6	9.5	10.6
31	---	---	---	4.9	4.4	4.6	---	---	---	11.4	9.6	10.4
MONTH	---	---	---	4.9	3.2	4.0	6.8	4.4	5.0	12.0	5.8	8.2
		JUNE			JULY			AUGUST			SEPTEMBER	
1	12.4	9.7	11.0	13.1	11.1	12.2	12.3	11.5	12.0	13.3	12.6	12.9
2	12.7	10.3	11.7	11.7	10.9	11.3	12.6	12.0	12.2	13.5	11.3	12.4
3	12.6	10.6	11.5	11.7	10.9	11.1	12.4	12.1	12.2	11.8	10.7	11.3
4	12.2	10.6	11.4	11.7	10.9	11.2	12.7	11.7	12.2	12.1	10.5	11.3
5	11.2	9.6	10.5	11.7	10.9	11.3	12.4	11.7	11.9	12.4	11.6	11.9
6	13.1	10.2	11.5	13.3	11.0	11.5	12.4	11.8	12.2	12.4	11.5	11.9
7	11.8	10.3	11.2	14.7	13.3	14.1	12.6	12.0	12.4	11.9	11.3	11.6
8	12.0	10.9	11.6	14.7	11.0	13.1	12.4	11.4	11.9	13.1	11.0	11.8
9	12.6	11.4	12.0	12.8	10.4	11.3	12.2	11.6	11.9	12.9	10.6	12.1
10	12.4	11.2	11.8	11.6	10.7	11.1	12.5	11.8	12.1	13.4	12.4	12.9
11	12.5	11.1	11.6	11.9	11.0	11.4	12.7	12.1	12.3	13.4	11.8	12.7
12	12.7	10.3	11.4	12.4	11.5	11.9	12.4	11.6	12.1	14.1	11.8	12.7
13	12.7	11.1	11.8	11.8	11.0	11.5	12.8	11.8	12.2	14.1	12.1	13.3
14	12.8	11.5	12.0	12.4	10.2	11.5	12.8	11.9	12.3	12.6	12.0	12.2
15	13.1	10.7	11.8	12.4	11.6	11.9	13.2	12.1	12.6	12.6	12.0	12.3
16	14.0	11.2	12.5	12.2	11.5	11.8	13.5	12.2	12.9	12.9	11.7	12.2
17	14.1	10.7	12.6	12.4	11.6	12.0	13.5	12.4	12.9	12.3	10.6	11.6
18	14.2	11.2	12.7	12.5	11.7	12.1	12.9	11.8	12.3	12.3	10.4	11.2
19	14.4	11.6	13.4	12.3	11.7	12.1	12.6	11.7	12.1	10.9	10.3	10.4
20	14.3	12.6	13.5	12.6	12.0	12.2	13.4	12.1	12.5	11.5	10.3	10.8
21	14.1	12.6	13.3	12.3	11.9	12.0	12.7	12.3	12.5	11.5	10.9	11.3
22	12.8	11.7	12.2	12.6	11.7	12.2	12.6	11.3	12.0	11.7	10.7	11.2
23	12.5	11.5	12.1	12.9	12.2	12.4	12.0	10.9	11.5	12.0	10.9	11.4
24	12.5	11.5	12.0	13.9	7.2	12.4	11.8	10.7	11.1	11.8	11.0	11.5
25	12.7	11.6	12.2	13.1	10.8	12.1	12.2	10.6	11.4	12.1	11.0	11.5
26	13.9	11.8	12.6	11.4	10.8	11.0	11.7	10.9	11.3	12.4	11.7	12.1
27	13.5	12.6	13.2	12.8	10.9	11.6	12.0	11.0	11.6	12.2	11.4	11.8
28	13.4	12.6	13.0	11.7	10.9	11.3	12.6	11.9	12.2	11.7	11.4	11.5
29	13.2	12.5	12.8	12.0	11.2	11.6	13.3	11.9	12.4	12.0	11.5	11.7
30	12.9	12.2	12.5	12.7	11.0	11.7	13.3	12.6	12.9	12.4	10.9	11.5
31	---	---	---	14.9	11.2	12.1	13.3	12.3	12.7	---	---	---
MONTH	14.4	9.6	12.1	14.9	7.2	11.8	13.5	10.6	12.2	14.1	10.3	11.8

09261000 GREEN RIVER NEAR JENSEN, UT

LOCATION.--Lat 40°24'34", long 109°14'05", in NE¼SW¼SE¼ 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^2, approximately, including about 4,260 mi^2, which probably is noncontributing. This noncontributing area includes 3,959 mi^2 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^3/s, May 18, 1984; gage height, 14.66 ft; minimum observed, 102 ft^3/s, Dec 6, 1904.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 19,400 ft^3/s, Jun 3, gage height, 9.70 ft; minimum daily discharge, 918 ft^3/s, Oct 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	918	1,140	1,110	1,260	1,290	2,410	1,880	6,430	18,900	3,170	1,050	1,030
2	972	1,150	1,140	1,190	1,370	1,930	1,780	6,470	18,900	3,000	1,050	1,020
3	1,020	1,150	1,180	1,220	1,390	1,410	1,840	5,770	19,000	2,860	1,120	1,020
4	1,020	1,170	1,250	1,210	1,260	1,630	2,420	5,050	18,400	2,680	1,110	1,020
5	1,020	1,160	1,340	1,240	1,330	1,460	3,090	4,800	15,300	2,510	1,080	1,010
6	1,040	1,160	1,400	1,210	1,270	1,280	3,010	5,090	12,700	2,360	1,080	1,030
7	1,020	1,180	1,360	1,190	1,200	1,300	2,550	5,230	10,600	2,220	1,080	1,040
8	1,110	1,200	1,310	1,190	1,440	1,490	2,310	4,930	8,890	2,100	1,050	1,020
9	1,140	1,230	1,200	1,160	1,630	1,560	2,190	4,600	7,900	1,930	1,040	999
10	1,140	e1,220	1,160	1,130	1,600	1,630	2,050	4,600	7,240	1,820	1,020	1,010
11	1,110	1,210	1,110	1,230	1,630	1,740	1,930	4,700	7,290	1,740	1,040	1,040
12	1,240	1,200	1,110	1,180	1,490	2,070	1,950	4,840	7,510	1,630	1,010	1,040
13	1,110	1,220	1,110	1,140	1,290	2,440	2,520	4,390	8,220	1,560	995	1,070
14	1,120	1,260	1,130	1,130	1,360	2,620	3,250	4,070	7,820	1,470	991	1,080
15	1,110	1,270	1,170	1,120	1,480	2,750	3,720	4,290	6,860	1,410	974	1,140
16	1,110	1,240	1,180	1,110	1,350	2,940	4,400	5,410	6,670	1,370	959	1,200
17	1,120	1,240	1,250	1,150	1,410	3,240	5,060	7,160	6,560	1,300	990	1,180
18	1,110	1,260	1,260	1,140	1,650	3,320	4,900	8,730	6,380	1,300	995	1,170
19	1,090	1,240	1,230	1,130	1,720	3,080	4,330	10,400	5,790	1,280	993	e1,150
20	1,090	1,230	1,100	e1,150	1,750	2,690	4,050	12,700	5,430	1,240	995	1,120
21	1,080	1,200	1,150	e1,150	1,590	2,370	3,980	14,300	5,330	1,220	1,000	1,100
22	1,070	1,240	1,100	e1,160	1,490	2,100	3,610	14,000	5,370	1,220	1,000	1,080
23	1,080	1,260	1,120	e1,160	1,400	1,980	3,530	13,800	5,050	1,230	1,010	1,060
24	1,180	1,300	998	e1,170	1,310	2,000	3,770	14,200	4,670	1,240	1,040	1,280
25	1,230	1,290	1,020	e1,170	1,430	2,200	4,410	15,100	4,520	1,240	1,120	1,350
26	1,240	1,250	1,030	1,180	1,600	2,320	4,820	16,300	4,320	1,290	1,070	1,140
27	1,130	1,110	1,010	1,160	1,730	2,770	5,750	17,100	3,970	1,200	1,040	1,130
28	1,120	1,120	1,250	1,180	1,880	2,430	6,900	17,000	3,670	1,220	1,030	1,110
29	1,160	1,080	1,270	1,210	---	2,270	6,790	17,100	3,380	1,130	1,020	1,100
30	1,150	1,110	1,240	1,220	---	2,180	6,350	17,800	3,290	1,100	1,010	1,110
31	1,160	---	1,180	1,260	---	2,040	---	18,600	---	1,070	1,020	---
TOTAL	34,210	36,090	36,468	36,500	41,340	67,650	109,140	294,960	249,930	52,110	31,982	32,849
MEAN	1,104	1,203	1,176	1,177	1,476	2,182	3,638	9,515	8,331	1,681	1,032	1,095
MAX	1,240	1,300	1,400	1,260	1,880	3,320	6,900	18,600	19,000	3,170	1,120	1,350
MIN	918	1,080	998	1,110	1,200	1,280	1,780	4,070	3,290	1,070	959	999
AC-FT	67,860	71,580	72,330	72,400	82,000	134,200	216,500	585,100	495,700	103,400	63,440	65,160

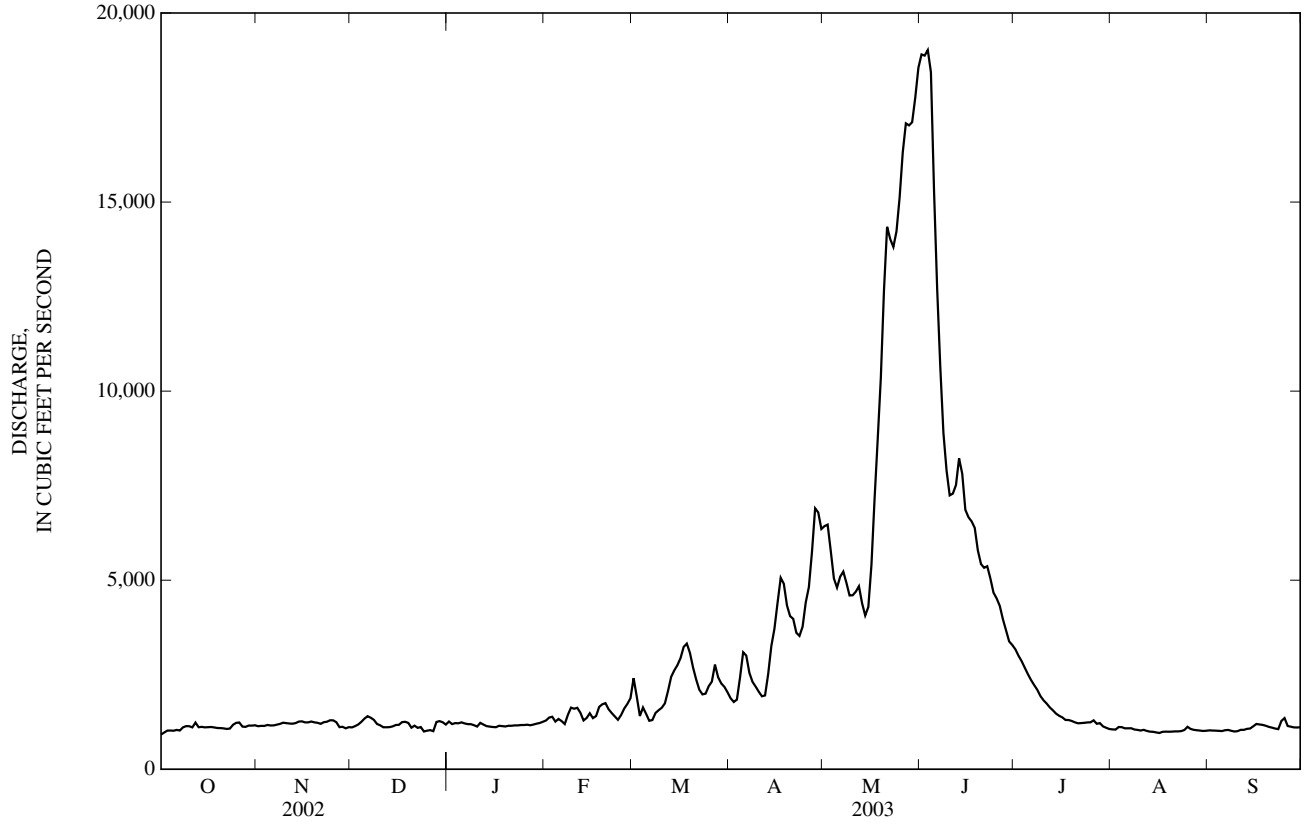
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947 - 2003, BY WATER YEAR (WY)

MEAN	2,132	2,216	2,177	2,124	2,349	3,052	5,584	11,280	11,340	4,593	2,406	1,903
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)	(1962)	(1984)	(1957)	(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)

09261000 GREEN RIVER NEAR JENSEN, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1947 - 2003	
ANNUAL TOTAL	603,319		1,023,229			
ANNUAL MEAN	1,653		2,803		4,266	
HIGHEST ANNUAL MEAN					7,783	1984
LOWEST ANNUAL MEAN					1,457	1963
HIGHEST DAILY MEAN	7,120	May 23	19,000	Jun 3	38,500	May 18, 1984
LOWEST DAILY MEAN	806	Sep 6	918	Oct 1	260	Aug 2, 1963
ANNUAL SEVEN-DAY MINIMUM	819	Sep 2	985	Aug 13	296	Oct 9, 1963
ANNUAL RUNOFF (AC-FT)	1,197,000		2,030,000		3,091,000	
10 PERCENT EXCEEDS	3,270		6,400		10,500	
50 PERCENT EXCEEDS	1,220		1,260		2,700	
90 PERCENT EXCEEDS	843		1,040		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, 26.6°C, Jul 26, 27; minimum, 0.0°C on many days in winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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)	Specif. 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)	Selenium, water, fltrd, ug/L (01145)
OCT												
03...	1610	2.13	1,030	632	106	9.3	8.5	685	13.7	12.4	472	0.9
03...	1615	2.13	1,030	632	106	9.3	8.5	685	13.7	12.4	459	0.8
MAR												
05...	1640	2.51	1,360	630	113	12.1	8.4	688	--	4.4	462	0.7
05...	1645	2.51	1,360	630	113	12.1	8.4	688	--	4.4	462	1.0
APR												
17...	1435	5.05	5,260	632	101	9.3	8.1	432	--	10.4	281	1.5
MAY												
22...	1555	8.12	14,300	643	101	8.7	8.0	360	32.0	14.1	235	0.6
JUL												
17...	1625	2.45	1,330	641	125	8.5	8.3	597	41.0	25.5	364	0.7
17...	1630	2.45	1,330	641	125	8.5	8.3	597	41.0	25.5	369	0.7
AUG												
26...	1700	2.18	1,060	640	129	9.3	8.1	708	33.0	22.9	449	0.8

09261000 GREEN RIVER NEAR JENSEN, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	15.1	12.9	13.9	4.9	3.3	4.2	1.7	0.0	0.8	0.2	0.1	0.1
2	14.4	12.2	13.3	5.0	3.0	3.9	1.7	0.4	1.1	0.2	0.1	0.1
3	13.3	11.6	12.4	3.9	2.0	3.0	2.0	0.8	1.5	0.2	0.0	0.1
4	13.9	10.9	12.4	3.4	1.2	2.4	1.9	1.1	1.5	0.2	0.0	0.1
5	13.8	11.2	12.6	3.4	0.8	2.2	2.1	1.0	1.6	0.2	0.1	0.1
6	13.6	10.8	12.5	3.7	1.3	2.5	2.0	1.5	1.8	0.2	0.0	0.1
7	14.0	11.1	12.9	4.1	1.5	2.9	1.9	1.5	1.7	0.3	0.1	0.1
8	14.0	11.1	13.0	4.4	2.8	3.6	1.8	1.4	1.5	0.3	0.1	0.2
9	13.9	11.0	12.9	6.1	0.4	4.6	1.4	0.7	1.0	0.3	0.1	0.2
10	13.8	11.1	12.8	6.1	4.0	4.8	0.7	0.2	0.4	0.3	0.1	0.2
11	13.6	11.4	12.3	5.5	3.8	4.6	0.3	0.0	0.1	0.3	0.1	0.2
12	11.8	9.1	10.8	4.6	2.7	3.7	0.4	0.0	0.1	0.4	0.2	0.2
13	11.7	8.4	10.0	4.5	3.0	3.7	0.3	0.0	0.1	0.4	0.1	0.2
14	10.4	7.6	9.3	4.8	2.7	3.8	0.9	0.0	0.4	0.4	0.1	0.2
15	10.3	7.3	9.2	4.9	3.4	4.2	1.4	0.1	0.6	0.5	0.1	0.2
16	10.5	7.5	9.4	4.5	2.6	3.4	1.3	0.0	0.7	0.2	0.1	0.1
17	10.7	7.7	9.6	3.5	2.0	2.7	2.2	0.9	1.5	0.2	0.0	0.2
18	10.7	7.9	9.7	3.3	1.6	2.5	2.1	1.0	1.5	0.2	0.1	0.2
19	10.5	7.7	9.4	3.1	1.3	2.3	1.6	0.0	0.5	0.2	0.1	0.2
20	10.2	7.5	9.1	3.7	1.6	2.6	0.3	0.0	0.1	0.2	0.1	0.2
21	9.8	7.2	8.9	3.8	1.8	2.9	0.4	0.0	0.1	0.2	0.1	0.2
22	9.9	7.2	8.8	4.1	2.1	3.2	0.1	0.0	0.1	0.2	0.1	0.1
23	11.2	8.8	9.9	4.5	2.4	3.5	0.2	0.0	0.1	0.6	0.1	0.2
24	10.2	8.1	9.2	4.6	2.9	3.8	0.2	0.0	0.1	0.5	0.1	0.2
25	9.4	7.3	8.4	4.2	2.8	3.4	0.2	0.1	0.1	0.6	0.1	0.3
26	9.1	6.9	7.7	3.1	0.7	1.6	0.2	0.1	0.1	1.3	0.3	0.7
27	9.6	3.7	8.3	1.9	0.4	0.9	0.2	0.0	0.1	2.4	0.8	1.6
28	8.8	6.7	7.8	1.0	0.0	0.5	0.2	0.0	0.1	3.3	1.7	2.5
29	7.9	6.6	7.2	0.9	0.0	0.4	0.2	0.1	0.1	3.9	2.6	3.2
30	7.0	5.3	6.1	0.9	0.0	0.5	0.2	0.0	0.1	3.7	2.7	3.1
31	5.7	4.0	4.9	---	---	---	0.1	0.0	0.1	3.5	1.6	2.5
MONTH	15.1	3.7	10.2	6.1	0.0	2.9	2.2	0.0	0.6	3.9	0.0	0.6
		FEBRUARY			MARCH			APRIL			MAY	
1	3.8	2.2	3.0	4.7	2.6	3.6	10.8	7.8	9.3	12.7	10.2	11.4
2	3.8	2.4	3.2	5.0	2.5	3.8	9.9	8.3	9.1	12.8	10.2	11.5
3	3.4	1.8	2.6	5.5	2.7	4.2	8.9	7.3	8.1	12.3	11.0	11.6
4	3.0	1.1	2.0	4.8	3.8	4.2	8.0	6.1	7.0	12.7	10.5	11.4
5	2.3	0.3	1.1	4.8	3.0	4.0	6.6	5.6	6.1	12.6	10.8	11.6
6	1.0	0.0	0.3	5.2	2.3	3.9	7.7	5.7	6.6	12.5	10.0	11.3
7	0.2	0.0	0.0	5.6	2.9	4.5	8.7	5.6	7.1	12.4	10.5	11.4
8	0.1	0.0	0.0	6.6	3.3	5.1	9.5	6.2	7.7	11.6	10.5	11.1
9	0.3	0.0	0.1	6.9	4.3	5.6	11.0	7.1	8.9	11.1	10.1	10.6
10	0.6	0.0	0.1	7.4	5.0	6.2	12.7	8.2	10.4	11.8	9.6	10.6
11	0.3	0.0	0.1	7.4	5.1	6.2	13.9	9.9	11.8	12.1	9.5	10.9
12	0.7	0.0	0.2	7.6	5.3	6.3	13.5	10.9	12.3	13.9	10.5	12.1
13	1.4	0.1	0.7	7.3	4.8	6.1	14.4	11.4	12.7	15.0	11.9	13.4
14	2.7	0.9	1.8	7.7	5.8	6.7	13.1	11.6	12.4	16.6	13.4	14.9
15	3.8	2.2	3.0	8.2	6.5	7.2	12.6	11.0	11.8	16.5	15.1	15.7
16	4.8	3.4	3.9	7.9	7.1	7.6	12.4	9.9	11.1	17.6	14.8	16.2
17	3.9	2.3	3.2	7.2	6.3	7.0	11.4	9.2	10.4	17.1	15.1	16.0
18	3.4	1.7	2.5	6.3	4.6	5.6	11.0	9.6	10.3	16.4	14.8	15.7
19	3.3	1.7	2.4	4.6	3.8	4.3	10.7	9.3	10	15.0	13.4	14.1
20	3.5	1.6	2.4	4.7	3.6	4.1	11.5	8.6	10	13.8	12.0	12.8
21	3.8	2.3	3.0	6.9	3.9	5.3	11.5	9.1	10.3	13.3	11.7	12.4
22	3.5	2.2	2.7	8.9	5.6	7.1	12.3	10.6	11.4	14.3	11.9	13.0
23	3.5	1.4	2.3	9.8	7.3	8.5	11.7	10.4	11.1	15.3	13.3	14.2
24	2.8	0.2	1.2	9.7	8.5	9.1	12.7	10.0	11.2	16.1	14.1	14.9
25	1.8	0.3	1.1	10.2	7.4	8.7	12.9	9.8	11.4	15.9	14.4	15.1
26	2.1	0.8	1.4	8.8	7.3	8.1	13.6	11.0	12.2	15.7	14.6	15.1
27	4.1	1.4	2.6	7.5	5.3	6.5	12.8	10.6	11.8	16.2	14.8	15.4
28	4.7	2.0	3.2	6.0	4.1	5.0	13.1	11.2	12.1	16.6	15.0	15.8
29	---	---	---	5.8	2.9	4.3	12.7	11.5	12.0	17.2	15.8	16.4
30	---	---	---	7.4	3.7	5.5	12.2	10.7	11.4	17.2	16.2	16.6
31	---	---	---	9.4	5.5	7.3	---	---	---	17.2	16.0	16.6
MONTH	4.8	0.0	1.8	10.2	2.3	5.9	14.4	5.6	10.3	17.6	9.5	13.5

09261000 GREEN RIVER NEAR JENSEN, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	17.3	16.1	16.6	23.1	20.8	21.9	25.3	21.3	23.4	21.7	18.8	20.4
2	17.2	15.9	16.4	23.4	20.4	21.8	24.8	22.4	23.6	21.7	18.5	20.3
3	16.5	15.4	15.9	23.4	20.5	21.8	24.0	21.9	22.7	22.9	18.9	20.9
4	16.5	15.0	15.6	23.6	20.5	21.9	24.4	21.0	22.6	22.5	19.2	21.0
5	16.4	15.0	15.6	23.5	20.4	21.9	24.2	20.9	22.7	21.3	19.1	20.1
6	16.6	14.6	15.5	23.7	20.2	22.0	24.0	21.2	22.7	20.6	18.3	19.5
7	16.7	14.5	15.5	23.1	20.5	21.9	23.1	20.5	21.6	21.2	17.8	19.5
8	17.2	14.0	15.5	23.5	20.0	21.9	23.8	19.4	21.5	19.9	17.7	18.8
9	17.4	15.4	16.3	23.7	19.6	21.7	24.4	21.3	22.9	19.6	17.1	18.3
10	18.2	15.7	16.9	24.0	20.3	22.4	25.3	21.8	23.6	18.4	15.9	16.9
11	18.3	16.3	17.3	24.4	20.6	22.7	25.5	22.6	24.0	18.0	14.4	16.3
12	18.0	16.5	17.2	24.9	21.3	23.3	25.2	22.1	23.7	18.1	15.0	16.6
13	18.2	16.1	17.1	24.8	21.3	23.4	25.8	22.2	23.9	16.7	14.0	15.5
14	18.6	15.6	17.0	25.3	20.9	23.3	26.2	22.9	24.3	16.9	13.9	15.6
15	19.5	16.4	17.9	24.9	22.1	23.7	24.4	21.9	22.9	16.6	13.4	15.3
16	20.2	17.7	18.9	25.3	21.6	23.7	24.2	21.1	22.6	16.9	14.5	15.9
17	20.5	18.1	19.2	26.0	22.6	24.4	23.4	20.5	21.9	16.4	14.0	15.4
18	20.8	17.9	19.2	26.0	22.6	24.3	23.2	19.9	21.6	15.3	12.2	13.9
19	20.1	18.3	19.2	26.2	22.5	24.4	23.1	20.1	21.7	14.8	11.9	13.5
20	19.2	17.7	18.4	26.3	22.5	24.4	23.2	20.1	21.8	15.1	11.6	13.6
21	18.3	17.0	17.6	26.3	22.6	24.7	23.3	20.8	22.0	15.6	12.4	14.2
22	18.9	16.6	17.6	26.5	23.2	25.0	24.7	20.8	22.8	16.0	13.0	14.8
23	18.6	16.2	17.3	25.9	22.6	24.6	24.9	21.9	23.4	16.1	13.1	15.0
24	17.3	16.0	16.6	25.8	22.7	24.4	24.6	21.7	23.3	16.2	13.4	15.1
25	17.4	15.1	16.2	26.2	23.0	24.8	24.6	21.6	23.2	16.1	13.4	15.0
26	18.6	15.1	16.7	26.6	23.2	25.0	23.8	20.7	22.4	16.6	13.5	15.3
27	20.0	16.9	18.4	26.6	22.9	24.8	22.6	20.4	21.4	17.2	14.2	15.9
28	21.8	18.6	20.0	26.0	23.0	24.6	22.9	19.3	21.2	17.2	14.4	16.2
29	22.8	19.7	21.1	25.8	22.6	24.3	22.4	19.7	21.2	17.3	14.5	16.3
30	23.1	20.4	21.7	26.0	22.3	24.3	22.7	19.1	20.7	17.2	14.6	16.3
31	---	---	---	25.5	22.6	23.8	22.1	18.2	20.3	---	---	---
MONTH	23.1	14.0	17.5	26.6	19.6	23.5	26.2	18.2	22.5	22.9	11.6	16.7

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

LOCATION.--Lat 40°35'20", long 109°27'53", in NW¼SE¼NE¼ 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^2.

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^3/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^3/s, Aug 13, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 241 ft^3/s, May 17, gage height, 1.76 ft; minimum discharge, 9.6 ft^3/s, Mar 21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	12	11	11	11	11	11	76	148	31	30	15
2	e13	12	11	11	10	11	14	63	120	29	30	15
3	e13	12	11	11	10	11	14	66	91	29	29	15
4	e13	12	12	11	10	11	14	68	74	28	28	15
5	e13	12	12	11	e10	11	14	57	64	41	27	15
6	e13	12	12	11	e10	11	14	51	57	46	26	16
7	e13	13	12	11	e10	11	14	52	53	47	24	17
8	e13	13	12	11	e10	11	12	51	46	49	23	15
9	e13	13	12	12	10	11	12	48	43	46	23	16
10	e13	12	12	11	10	11	11	45	45	46	21	17
11	13	12	11	11	10	11	12	44	56	45	21	15
12	13	12	12	11	11	10	14	56	69	46	19	15
13	13	12	12	11	11	12	20	90	61	46	18	14
14	13	12	12	11	11	11	32	125	58	44	19	14
15	13	12	12	11	11	11	42	173	48	43	18	14
16	13	12	12	11	10	11	48	201	44	42	18	14
17	13	12	12	e11	10	11	51	228	43	41	20	13
18	13	12	12	e11	10	11	47	238	43	41	20	13
19	12	12	11	e11	10	11	41	227	43	40	18	13
20	12	12	11	e11	11	11	38	201	42	40	17	13
21	12	13	e11	11	11	10	37	190	40	38	17	13
22	12	12	e11	11	11	10	42	192	43	37	17	13
23	13	12	e11	11	11	10	42	195	43	37	17	13
24	15	12	e11	12	11	11	42	200	46	37	19	12
25	13	12	e11	11	11	11	68	202	50	38	18	12
26	13	11	e11	11	11	11	116	205	43	37	17	12
27	13	11	e11	11	11	10	129	202	42	36	16	11
28	13	11	11	11	11	10	122	200	39	34	16	12
29	15	11	11	11	---	10	110	190	36	32	16	11
30	13	11	11	12	---	10	97	176	34	31	16	11
31	12	---	11	11	---	9.8	---	161	---	30	16	---
TOTAL	402	359	355	344	294	332.8	1,280	4,273	1,664	1,207	634	414
MEAN	13.0	12.0	11.5	11.1	10.5	10.7	42.7	138	55.5	38.9	20.5	13.8
MAX	15	13	12	12	11	12	129	238	148	49	30	17
MIN	12	11	11	11	10	9.8	11	44	34	28	16	11
AC-FT	797	712	704	682	583	660	2,540	8,480	3,300	2,390	1,260	821

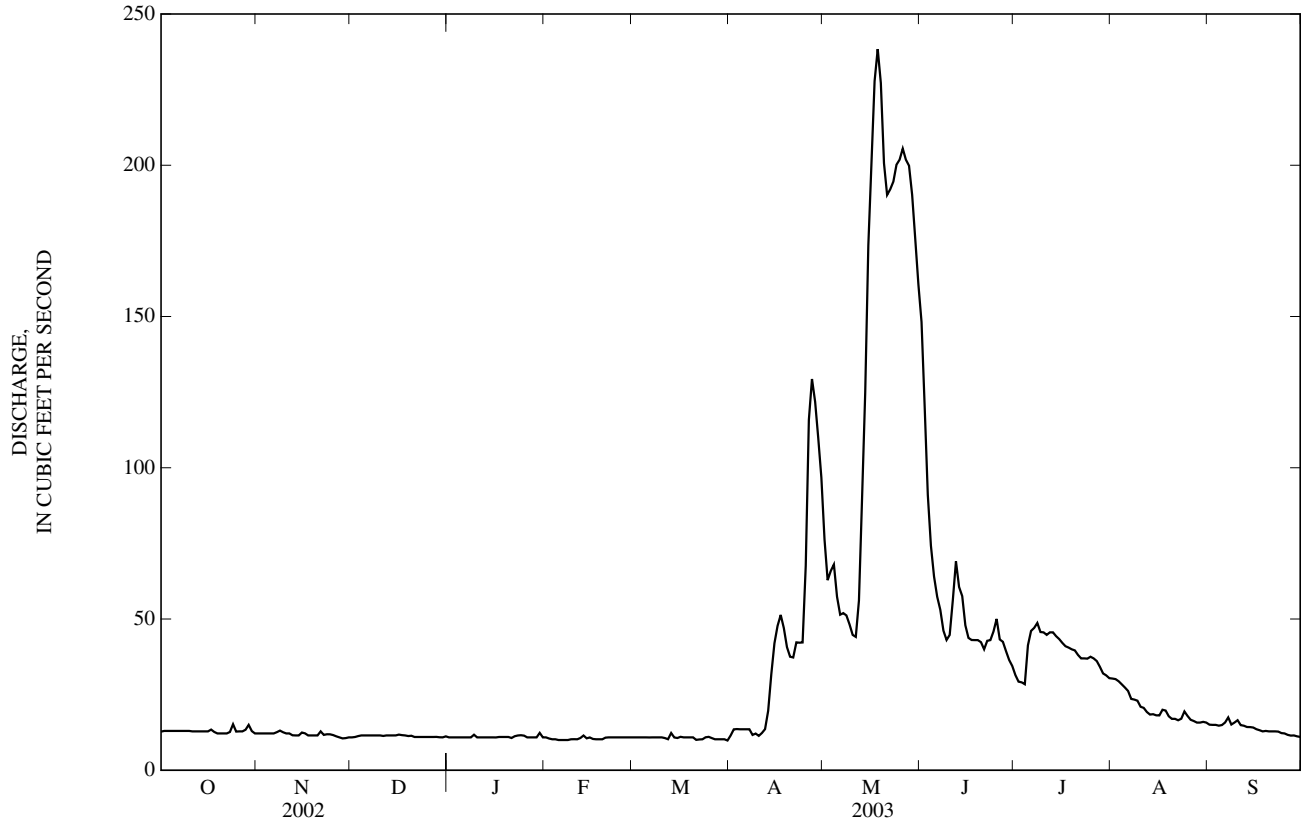
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	21.2	17.9	15.7	14.6	14.0	15.1	44.9	152	111	44.6	32.0	23.4
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	13.0	12.0	10.2	10.1	10.5	10.7	17.7	37.9	24.1	14.4	12.0	13.0
(WY)	(2003)	(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	6,146.8		11,558.8			
ANNUAL MEAN	16.8		31.7		42.4	
HIGHEST ANNUAL MEAN					69.6	1998
LOWEST ANNUAL MEAN					17.6	2002
HIGHEST DAILY MEAN	54	May 1	238	May 18	375	May 22, 1998
LOWEST DAILY MEAN	6.8	Aug 13	9.8	Mar 31	6.8	Aug 13, 2002
ANNUAL SEVEN-DAY MINIMUM	11	Nov 26	10	Feb 2	8.8	Feb 7, 1992
ANNUAL RUNOFF (AC-FT)	12,190		22,930		30,700	
10 PERCENT EXCEEDS	29		59		95	
50 PERCENT EXCEEDS	13		13		21	
90 PERCENT EXCEEDS	12		11		12	

e Estimated



09266500 ASHLEY CREEK NEAR VERNAL, UT

LOCATION.--Lat 40°34'39", long 109°37'17", in NE¼NW¼NE¼ 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^2.

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 except for estimated daily discharges, which are fair. 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^3/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^3/s and the return flow entered Ashley Creek 0.5 mi below station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,100 ft^3/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^3/s, Mar 16, 1978.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 27	2330	*1,630	*4.66				

Minimum daily discharge, 8.3 ft^3/s, Sep 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	29	26	22	e22	e21	17	71	725	99	79	51
2	32	26	25	21	e21	e21	19	66	542	93	76	49
3	35	25	24	22	e21	e21	18	65	430	95	73	50
4	36	28	24	22	e21	e21	16	66	360	115	72	51
5	34	32	25	21	e20	e21	17	61	307	112	71	48
6	32	33	23	21	e20	21	17	58	275	109	67	53
7	32	32	24	21	e20	21	16	62	251	106	65	60
8	34	32	24	e21	e20	20	15	58	232	106	63	55
9	34	32	24	e21	e20	20	15	54	213	121	62	54
10	34	32	24	e21	e20	21	15	49	230	121	61	51
11	34	31	24	e21	e21	20	16	45	204	119	59	44
12	34	30	24	e21	e21	20	16	48	190	117	57	38
13	32	31	23	e21	e21	20	17	70	205	120	59	33
14	31	31	23	e21	e21	21	21	119	198	118	58	20
15	29	31	23	e20	e21	20	19	208	155	115	58	18
16	29	30	22	e20	e21	20	18	339	138	111	56	17
17	29	30	23	e20	e21	20	20	438	131	107	58	17
18	28	29	23	e20	e21	20	21	583	126	101	58	16
19	28	29	22	e20	e21	19	22	515	124	99	55	18
20	28	29	23	e20	e21	19	20	453	132	107	55	18
21	27	29	23	e21	e21	18	20	503	123	96	54	17
22	27	29	22	e21	e21	19	18	595	149	92	54	15
23	27	29	22	e21	e21	18	19	694	163	90	55	12
24	28	28	22	e21	e21	19	18	741	209	88	63	10
25	28	27	22	e21	e21	17	18	683	229	94	63	10
26	28	25	22	e21	e21	17	33	738	199	95	57	9.2
27	27	26	22	e21	e21	17	71	938	145	93	53	8.7
28	27	27	22	e21	e21	18	92	957	124	90	50	8.8
29	26	27	22	e21	---	17	86	906	116	89	49	8.3
30	27	26	22	e21	---	17	83	e789	108	86	52	8.4
31	27	---	22	e21	---	18	---	705	---	83	57	---
TOTAL	933	875	716	648	583	602	813	11,677	6,733	3,187	1,869	868.4
MEAN	30.1	29.2	23.1	20.9	20.8	19.4	27.1	377	224	103	60.3	28.9
MAX	36	33	26	22	22	21	92	957	725	121	79	60
MIN	26	25	22	20	20	17	15	45	108	83	49	8.3
AC-FT	1,850	1,740	1,420	1,290	1,160	1,190	1,610	23,160	13,350	6,320	3,710	1,720

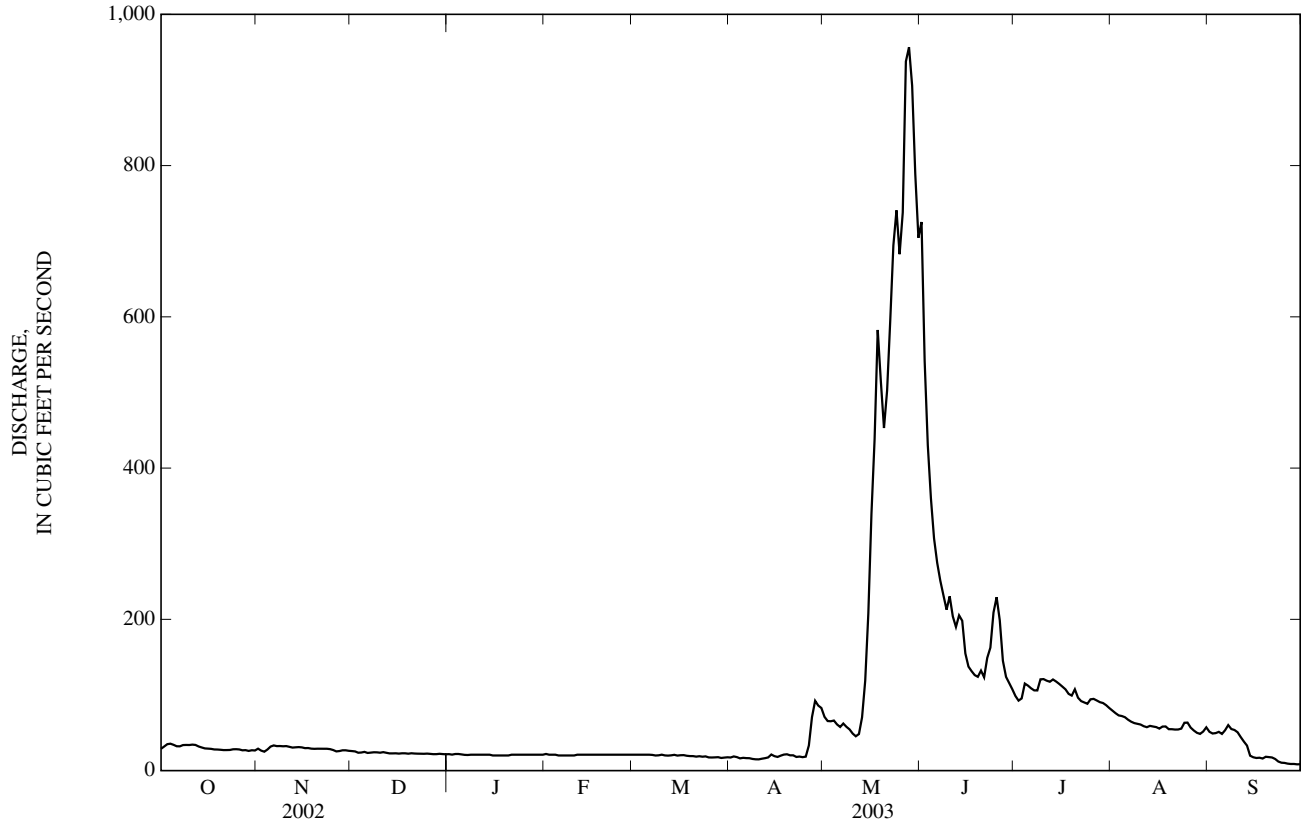
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1919-2003, BY WATER YEAR (WY)

MEAN	52.8	38.1	28.5	23.8	21.1	20.1	48.2	344	321	126	82.4	66.1
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)

09266500 ASHLEY CREEK NEAR VERNAL, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915-17, 1919-2003	
ANNUAL TOTAL	10,024.4		29,504.4			
ANNUAL MEAN	27.5		80.8		98.0	
HIGHEST ANNUAL MEAN					178	1921
LOWEST ANNUAL MEAN					25.1	2002
HIGHEST DAILY MEAN	114	May 7	957	May 28	2,530	Jun 15, 1995
LOWEST DAILY MEAN	6.4	Aug 12	8.3	Sep 29	3.5	Jan 3, 1977
ANNUAL SEVEN-DAY MINIMUM	9.0	Mar 25	9.1	Sep 24	3.8	Dec 31, 1976
ANNUAL RUNOFF (AC-FT)	19,880		58,520		71,020	
10 PERCENT EXCEEDS	67		151		227	
50 PERCENT EXCEEDS	22		28		42	
90 PERCENT EXCEEDS	10		18		14	

e Estimated



09267500 MOSBY CANAL NEAR LAPOINT, UT

LOCATION.--Lat 40°36'30", long 109°53'00", in sec. 27, T. 2 S., R. 18 E., Uintah County, Hydrologic Unit 14060002, on left bank 4.5 mi southeast of Paradise Park Reservoir, 8 mi downstream from diversion from Dry Fork, and 16 mi northwest of Lapoint.

PERIOD OF RECORD.--July 1954 to September 2003 (discontinued). Seasonal records only since October 1984.

GAGE.--Water-stage recorder and 4 ft Parshall flume control. Elevation of gage is 9,500 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair. No flow is assumed November through April. Canal began diverting in 1942 or 1943 from Dry Fork for irrigation in Deep Creek basin. Since 1975 flow regulated by Julius Park Reservoir, capacity 200 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 46 ft^3/s, Jul 19, 1995; no flow for extended periods each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	e0.00	34	24	14	10
2	---	---	---	---	---	---	---	e0.00	34	17	13	9.9
3	---	---	---	---	---	---	---	e0.00	34	16	8.0	9.7
4	---	---	---	---	---	---	---	e0.00	34	16	5.7	9.5
5	---	---	---	---	---	---	---	e0.00	34	15	5.6	9.3
6	---	---	---	---	---	---	---	e0.00	34	15	5.6	9.2
7	---	---	---	---	---	---	---	e0.00	34	15	5.6	9.1
8	---	---	---	---	---	---	---	e0.00	34	15	5.6	9.0
9	---	---	---	---	---	---	---	e0.00	34	15	5.5	8.8
10	---	---	---	---	---	---	---	e0.00	33	15	5.5	8.8
11	---	---	---	---	---	---	---	e0.00	33	14	5.5	8.7
12	---	---	---	---	---	---	---	e0.00	33	14	5.5	8.6
13	---	---	---	---	---	---	---	e0.00	33	14	e11	8.4
14	---	---	---	---	---	---	---	e0.00	33	14	e22	8.1
15	---	---	---	---	---	---	---	e0.00	33	15	e22	7.6
16	---	---	---	---	---	---	---	e0.00	29	15	21	7.2
17	---	---	---	---	---	---	---	e0.00	26	15	20	7.0
18	---	---	---	---	---	---	---	7.7	26	15	18	6.7
19	---	---	---	---	---	---	---	9.6	24	15	17	6.4
20	---	---	---	---	---	---	---	12	24	14	15	6.2
21	---	---	---	---	---	---	---	15	28	14	10	5.8
22	---	---	---	---	---	---	---	20	28	14	8.9	5.6
23	---	---	---	---	---	---	---	22	24	14	6.3	5.6
24	---	---	---	---	---	---	---	22	25	14	2.3	5.6
25	---	---	---	---	---	---	e0.00	27	26	14	2.1	5.4
26	---	---	---	---	---	---	e0.00	36	26	14	2.0	5.2
27	---	---	---	---	---	---	e0.00	35	27	14	1.9	5.1
28	---	---	---	---	---	---	e0.00	35	29	13	6.1	5.1
29	---	---	---	---	---	---	e0.00	34	29	15	11	4.9
30	---	---	---	---	---	---	e0.00	34	28	17	11	4.7
31	---	---	---	---	---	---	---	34	---	16	10	---
TOTAL	---	---	---	---	---	---	---	343.30	903	467	302.7	221.2
MEAN	---	---	---	---	---	---	---	11.1	30.1	15.1	9.76	7.37
MAX	---	---	---	---	---	---	---	36	34	24	22	10
MIN	---	---	---	---	---	---	---	0.00	24	13	1.9	4.7
AC-FT	---	---	---	---	---	---	---	681	1,790	926	600	439

e Estimated

09271400 ASHLEY CREEK NEAR NAPLES, UT

LOCATION.--Lat 40°26'01", long 109°27'56", in NE¼NW¼NE¼ sec. 32, T. 4 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on left bank east of Naples.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1999 to September 2003 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 5,010 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,360 ft^3/s, May 25, 2001, gage height, 10.05 ft, from rating curve extended above 90 ft^3/s and in relation to downstream station 09271550; no flow Aug 29, 31, Sep 1-6, 10, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,270 ft^3/s, May 28, gage height, 10.57 ft; minimum daily discharge, 0.01 ft^3/s, Aug 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.43	6.4	9.5	e5.7	e9.2	8.2	5.2	3.5	392	1.8	0.01	2.2
2	0.95	6.2	9.6	e5.7	e10	6.5	6.5	4.2	236	1.3	0.02	1.9
3	2.3	e6.8	9.7	e5.7	e9.1	7.9	6.5	3.2	48	0.99	0.12	2.1
4	e1.6	e6.5	9.7	e5.7	e7.1	7.8	5.8	6.5	13	0.80	0.37	1.3
5	e1.8	e6.0	9.7	e5.9	e7.5	5.7	5.4	5.7	9.4	1.1	0.17	1.3
6	e2.1	5.9	9.9	e5.7	e6.8	6.3	4.8	5.7	6.6	0.94	0.09	2.1
7	e2.5	e6.0	9.8	e5.6	e6.7	6.1	4.8	5.0	5.8	1.2	0.72	2.8
8	e2.8	6.1	9.8	e5.5	e6.6	6.6	4.4	3.1	5.8	0.69	0.99	1.9
9	e3.2	7.2	9.8	e5.5	e6.5	6.8	4.1	9.5	5.9	1.1	1.3	1.9
10	e3.7	e6.5	9.5	e5.5	e6.8	7.6	1.9	12	4.4	0.91	2.2	2.0
11	e2.7	e5.7	9.1	e5.5	e7.2	8.1	1.7	5.7	4.7	1.4	2.2	3.6
12	e3.6	5.7	9.3	e5.4	e7.9	7.7	1.2	3.3	7.8	0.57	1.5	2.8
13	e5.8	6.0	9.3	e5.4	8.5	6.9	1.5	2.1	4.3	1.2	1.7	1.1
14	e6.0	5.6	9.8	e5.4	9.4	9.2	0.84	1.9	4.5	2.4	0.77	0.90
15	e5.7	5.3	9.6	e5.4	11	8.7	1.2	2.6	2.9	2.3	0.74	1.5
16	e5.6	5.4	9.5	e5.5	11	10	2.1	2.9	3.0	2.3	0.82	2.8
17	e4.8	6.4	9.7	e5.5	11	15	1.8	2.6	3.0	1.9	1.3	2.4
18	e4.4	7.5	9.6	e5.5	12	10	1.7	11	2.6	2.1	1.5	2.4
19	e4.3	7.9	9.4	e5.6	11	7.9	1.9	120	1.9	1.1	0.68	1.9
20	e3.8	8.2	e9.6	e5.7	12	8.3	1.7	50	2.2	0.98	0.49	2.5
21	e3.9	8.2	e9.1	e6.2	13	7.3	1.7	40	3.5	1.4	0.26	2.8
22	e4.0	8.0	e8.9	e6.8	12	6.5	1.7	103	3.0	1.5	0.56	2.7
23	e3.9	7.7	e8.6	e7.3	11	4.3	3.2	243	3.6	2.1	1.2	2.6
24	e4.3	7.9	e8.4	e7.5	8.6	6.0	3.6	371	3.5	1.3	2.0	2.4
25	e4.4	8.1	e7.6	e7.6	9.6	2.0	2.5	385	5.3	0.89	1.6	2.3
26	e4.5	8.1	e7.0	e7.6	10	5.8	6.0	399	5.8	0.16	2.4	2.6
27	e4.5	8.4	e6.5	e7.6	11	9.4	7.3	573	3.2	0.50	2.2	2.2
28	e6.9	8.6	e6.5	e8.2	10	7.5	7.1	657	2.2	1.7	2.3	1.8
29	e6.6	8.7	e6.4	e9.0	---	6.2	2.3	604	2.1	1.3	2.4	2.5
30	e6.6	9.5	e6.1	e8.7	---	e6.6	3.9	522	2.7	0.02	2.2	1.8
31	6.1	---	e5.9	e8.9	---	6.5	---	444	---	0.18	2.3	---
TOTAL	123.78	210.5	272.9	196.8	262.5	229.4	104.34	4,601.5	798.7	38.13	37.11	65.10
MEAN	3.99	7.02	8.80	6.35	9.38	7.40	3.48	148	26.6	1.23	1.20	2.17
MAX	6.9	9.5	9.9	9.0	13	15	7.3	657	392	2.4	2.4	3.6
MIN	0.43	5.3	5.9	5.4	6.5	2.0	0.84	1.9	1.9	0.02	0.01	0.90
AC-FT	246	418	541	390	521	455	207	9,130	1,580	76	74	129

CAL YR	2002	TOTAL	1,925.18	MEAN	5.27	MAX	20	MIN	0.00	AC-FT	3,820
WTR YR	2003	TOTAL	6,940.76	MEAN	19.0	MAX	657	MIN	0.01	AC-FT	13,770

e Estimated

09271400 ASHLEY CREEK NEAR NAPLES, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 18, 2000 to September 2003 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 18, 2000 to September 2003.
WATER TEMPERATURE: March 18, 2000 to September 2003.

INSTRUMENTATION.--Water-quality monitor from March 18, 2000 to September 2003.

REMARKS.--Specific conductance and temperature records good. Partial record, since the instrument is removed during winter months.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 7,460 microsiemens/cm, Oct 9, 2002; minimum recorded, 79 microsiemens/cm, May 29, 2003.
WATER TEMPERATURE: Maximum recorded, 32.0°C, Jul 21, 2003; minimum recorded, 0.2°C, Mar 21, 2000, observed 0.2°C, Jan 23, 2002.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 7,460 microsiemens/cm, Oct 9; minimum recorded, 79 microsiemens/cm, May 29.
WATER TEMPERATURE: Maximum recorded, 32.0°C, Jul 21; minimum recorded, 0.9°C, Nov 5.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sample type	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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)
OCT												
04...	1200	Environmental	7.80	0.93	640	116	10.2	8.0	1,760	--	12.8	--
10...	1310	Environmental	--	--	--	--	--	8.0	1,680	--	13.5	--
22...	1650	Environmental	8.11	3.8	632	154	13.5	8.0	1,690	--	12.3	--
NOV												
14...	1630	Environmental	8.35	5.5	--	--	12.2	8.4	1,540	--	6.9	--
14...	1635	Replicate	8.35	5.5	--	--	12.2	8.4	1,540	--	6.9	--
JAN												
09...	1330	Environmental	--	5.5	635	101	11.9	8.1	1,510	--	1.1	--
09...	1335	Replicate	--	5.5	635	101	11.9	8.1	1,510	--	1.1	--
MAR												
06...	1600	Environmental	8.44	6.3	630	137	12.8	8.3	1,670	--	9.8	--
27...	1350	Environmental	--	--	--	--	--	8.3	1,800	--	6.9	--
APR												
16...	1220	Environmental	7.74	2.7	641	123	11.4	8.0	2,080	--	10.8	--
MAY												
22...	1815	Environmental	8.50	107	643	93	6.8	8.1	622	32.0	22.0	--
23...	1055	Environmental	9.13	254	644	105	9.7	7.6	219	24.0	11.2	--
29...	1435	Environmental	9.60	617	642	99	8.3	7.8	131	--	15.4	--
JUL												
18...	1100	Environmental	7.81	2.5	642	148	10.7	7.9	1,550	30.0	22.6	--
AUG												
27...	1410	Environmental	7.76	2.2	640	151	11.3	8.1	1,420	25.0	20.5	--
SEP												
24...	0930	Environmental	--	3.1	--	--	--	--	1,330	--	10.4	13.4
25...	0915	Environmental	--	2.5	--	--	--	--	1,360	--	9.9	13.5

09271400 ASHLEY CREEK NEAR NAPLES, UT—Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Fluoride, water, fltrd, mg/L (00950)	Residue on evap. at 180degC wat flt mg/L (70300)	Boron, water, fltrd, ug/L (01020)	Bromide water, fltrd, mg/L (71870)	Selenium, water, fltrd, ug/L (01145)
OCT					
04...	--	1,500	--	--	4.4
10...	--	1,430	--	--	3.2
22...	--	1,370	--	--	3.6
NOV					
14...	--	1,270	--	--	4.8
14...	--	1,270	--	--	4.3
JAN					
09...	--	1,160	--	--	3.9
09...	--	1,160	--	--	4.0
MAR					
06...	--	1,290	--	--	7.6
27...	--	1,520	--	--	4.3
APR					
16...	--	1,740	--	--	4.2
MAY					
22...	--	435	--	--	0.8
23...	--	145	--	--	<0.5
29...	--	95	--	--	<0.5
JUL					
18...	--	1,230	--	--	2.4
AUG					
27...	--	1,120	--	--	2.7
SEP					
24...	1.0	1,040	245	E.01	2.6
25...	1.0	1,070	256	E.02	2.8

E Estimated value.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2,150	1,960	2,080	1,620	1,560	1,590	---	---	---	---	---	---
2	2,180	1,760	2,060	1,650	1,530	1,620	---	---	---	---	---	---
3	2,100	1,730	1,990	1,580	1,530	1,550	---	---	---	---	---	---
4	2,390	1,810	1,950	1,660	1,570	1,600	---	---	---	---	---	---
5	3,110	2,280	2,630	1,650	1,620	1,630	---	---	---	---	---	---
6	2,430	1,660	1,750	1,640	1,590	1,610	---	---	---	---	---	---
7	5,560	1,680	2,930	1,650	1,600	1,620	---	---	---	---	---	---
8	7,300	4,840	6,200	1,740	1,620	1,650	---	---	---	---	---	---
9	7,460	1,720	5,070	1,960	1,640	1,830	---	---	---	---	---	---
10	5,680	1,740	3,630	1,800	1,640	1,730	---	---	---	---	---	---
11	6,420	4,540	5,580	1,690	1,650	1,670	---	---	---	---	---	---
12	6,900	6,420	6,710	1,670	1,640	1,650	---	---	---	---	---	---
13	6,760	1,660	4,320	1,700	1,520	1,650	---	---	---	---	---	---
14	5,130	1,600	2,840	1,590	1,480	---	---	---	---	---	---	---
15	5,560	4,460	5,250	---	---	---	---	---	---	---	---	---
16	6,170	5,220	5,690	---	---	---	---	---	---	---	---	---
17	5,260	2,740	3,600	---	---	---	---	---	---	---	---	---
18	3,650	1,650	2,250	---	---	---	---	---	---	---	---	---
19	2,000	1,610	1,690	---	---	---	---	---	---	---	---	---
20	2,610	1,630	1,990	---	---	---	---	---	---	---	---	---
21	3,060	1,880	2,380	---	---	---	---	---	---	---	---	---
22	2,480	1,880	2,230	---	---	---	---	---	---	---	---	---
23	2,530	1,950	2,260	---	---	---	---	---	---	---	---	---
24	2,430	1,900	2,160	---	---	---	---	---	---	---	---	---
25	2,460	1,710	2,020	---	---	---	---	---	---	---	---	---
26	2,370	1,730	2,040	---	---	---	---	---	---	---	---	---
27	2,150	1,660	1,900	---	---	---	---	---	---	---	---	---
28	2,150	1,800	1,970	---	---	---	---	---	---	---	---	---
29	2,130	1,540	1,860	---	---	---	---	---	---	---	---	---
30	1,660	1,510	1,540	---	---	---	---	---	---	---	---	---
31	1,850	1,540	1,610	---	---	---	---	---	---	---	---	---
MONTH	7,460	1,510	2,970	1,960	1,480	1,650	---	---	---	---	---	---

09271400 ASHLEY CREEK NEAR NAPLES, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	2,100	1,930	1,980
2	---	---	---	---	---	---	---	---	---	2,010	1,930	1,970
3	---	---	---	---	---	---	---	---	---	1,990	1,890	1,940
4	---	---	---	---	---	---	---	---	---	1,890	1,780	1,820
5	---	---	---	---	---	---	---	---	---	1,880	1,810	1,850
6	---	---	---	---	---	---	---	---	---	1,890	1,810	1,850
7	---	---	---	---	---	---	---	---	---	1,880	1,810	1,850
8	---	---	---	---	---	---	---	---	---	2,040	1,820	1,960
9	---	---	---	---	---	---	---	---	---	2,050	1,860	1,990
10	---	---	---	---	---	---	---	---	---	2,280	1,860	2,030
11	---	---	---	---	---	---	---	---	---	2,110	1,870	1,970
12	---	---	---	---	---	---	---	---	---	1,880	1,830	1,860
13	---	---	---	---	---	---	---	---	---	1,950	1,840	1,910
14	---	---	---	---	---	---	---	---	---	1,920	1,850	1,890
15	---	---	---	---	---	---	---	---	---	1,920	1,850	1,880
16	---	---	---	---	---	---	---	---	---	2,050	1,870	1,940
17	---	---	---	---	---	---	---	---	---	2,000	1,880	1,940
18	---	---	---	---	---	---	2,070	---	---	1,930	1,240	1,780
19	---	---	---	---	---	---	2,070	1,990	2,020	1,640	275	703
20	---	---	---	---	---	---	2,080	1,990	2,050	1,020	639	863
21	---	---	---	---	---	---	2,040	1,920	1,960	1,310	956	1,190
22	---	---	---	---	---	---	1,950	1,920	1,940	1,350	319	813
23	---	---	---	---	---	---	2,050	1,900	1,970	580	223	345
24	---	---	---	---	---	---	1,900	1,840	1,880	328	185	239
25	---	---	---	2,040	---	---	1,930	1,840	1,880	375	225	283
26	---	---	---	2,030	1,720	1,870	1,880	1,790	1,830	342	203	271
27	---	---	---	1,850	1,740	1,780	1,860	1,760	1,810	264	175	209
28	---	---	---	1,750	1,710	1,730	1,870	1,760	1,820	438	122	250
29	---	---	---	1,750	1,700	---	1,980	1,780	1,900	295	79	170
30	---	---	---	---	---	---	1,950	1,860	1,890	228	148	181
31	---	---	---	---	---	---	---	---	---	362	153	245
MONTH	---	---	---	2,040	1,700	1,790	2,080	1,760	1,910	2,280	79	1,300
		JUNE			JULY			AUGUST			SEPTEMBER	
1	301	147	185	1,520	1,360	1,430	1,490	1,420	1,460	1,290	1,230	1,260
2	492	160	270	1,450	1,370	1,420	1,510	1,420	1,450	1,320	1,230	1,270
3	805	360	537	1,490	1,400	1,440	1,470	1,440	1,460	1,330	1,270	1,280
4	1,020	766	923	1,440	1,390	1,410	1,480	1,430	1,460	1,280	1,200	1,250
5	1,130	1,020	1,070	1,450	1,400	1,420	1,620	1,440	1,580	1,250	1,210	1,230
6	1,200	1,130	1,180	1,450	1,390	1,420	1,580	1,430	1,500	1,250	1,170	1,220
7	1,220	1,130	1,180	1,500	1,380	1,430	1,500	1,350	1,420	1,180	1,120	1,150
8	1,140	1,060	1,110	1,600	1,420	1,480	1,770	1,500	1,630	1,240	1,120	1,180
9	1,120	1,060	1,090	1,580	1,510	1,540	1,570	1,500	1,540	1,250	1,190	1,220
10	1,250	1,120	1,190	1,580	1,490	1,530	1,550	1,390	1,460	1,300	1,200	1,250
11	1,360	1,210	1,280	1,690	1,470	1,550	1,460	1,390	1,420	1,410	1,300	1,370
12	1,380	1,320	1,350	1,630	1,470	1,540	1,460	1,390	1,430	1,380	1,360	1,370
13	1,370	1,240	1,270	1,530	1,420	1,470	1,520	1,460	1,490	1,380	1,270	1,320
14	1,260	1,210	1,240	1,500	1,380	1,440	1,490	1,420	1,460	1,360	1,270	1,310
15	1,480	1,210	1,360	1,560	1,450	1,480	1,470	1,440	1,450	1,360	1,150	1,300
16	1,440	1,330	1,350	1,580	1,410	1,480	1,470	1,440	1,450	1,160	1,030	1,100
17	1,540	1,230	1,370	1,560	1,440	1,500	1,470	1,440	1,460	1,090	1,020	1,050
18	1,510	1,330	1,400	1,620	1,500	1,560	1,460	1,450	1,460	1,190	1,090	1,160
19	1,460	1,380	1,410	1,650	1,470	1,550	1,470	1,400	1,440	1,140	1,110	1,120
20	1,490	1,380	1,430	1,620	1,450	1,500	1,460	1,420	1,450	1,210	1,140	1,170
21	1,660	1,440	1,570	1,560	1,480	1,500	1,510	1,460	1,500	1,240	1,160	1,190
22	1,610	1,550	1,580	1,620	1,430	1,490	1,520	1,450	1,480	1,280	1,230	1,260
23	1,590	1,400	1,480	1,510	1,360	1,420	1,670	1,470	1,510	1,360	1,270	1,300
24	1,540	1,430	1,480	1,510	1,380	1,420	1,710	1,510	1,590	1,320	1,290	1,310
25	1,600	1,340	1,430	1,520	1,400	1,460	1,540	1,490	1,510	1,380	1,310	1,350
26	1,460	1,160	1,330	1,630	1,430	1,510	1,550	1,490	1,530	1,470	1,370	1,410
27	1,500	1,240	1,400	1,600	1,440	1,510	1,580	1,380	1,470	1,450	1,410	1,430
28	1,540	1,480	1,510	1,520	1,430	1,470	1,380	1,310	1,350	1,490	1,440	1,460
29	1,540	1,480	1,510	1,480	1,440	1,450	1,360	1,310	1,340	1,500	1,460	1,480
30	1,570	1,440	1,500	1,520	1,450	1,490	1,380	1,310	1,340	1,500	1,460	1,480
31	---	---	---	1,520	1,440	1,470	1,360	1,270	1,320	---	---	---
MONTH	1,660	147	1,230	1,690	1,360	1,480	1,770	1,270	1,460	1,500	1,020	1,280

09271400 ASHLEY CREEK NEAR NAPLES, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.8	14.4	15.6	8.7	4.1	5.9	---	---	---	---	---	---
2	15.6	13.6	14.7	8.4	3.8	5.5	---	---	---	---	---	---
3	14.3	11.1	12.7	6.9	1.3	3.8	---	---	---	---	---	---
4	15.1	11.4	13.2	6.6	1.2	3.5	---	---	---	---	---	---
5	15.7	12.7	14.2	7.1	0.9	3.7	---	---	---	---	---	---
6	16.6	10.0	13.3	7.8	1.6	4.3	---	---	---	---	---	---
7	15.8	10.5	13.2	5.9	1.4	3.8	---	---	---	---	---	---
8	15.8	13.1	14.5	6.8	2.9	4.7	---	---	---	---	---	---
9	16.0	11.8	14.3	8.7	5.0	6.3	---	---	---	---	---	---
10	14.7	10.3	12.3	7.6	3.0	5.0	---	---	---	---	---	---
11	14.3	12.5	13.6	7.2	3.0	4.8	---	---	---	---	---	---
12	14.3	13.2	13.8	7.1	1.8	4.3	---	---	---	---	---	---
13	14.2	9.4	12.1	5.9	3.1	4.3	---	---	---	---	---	---
14	14.3	6.9	10.3	---	2.2	---	---	---	---	---	---	---
15	13.9	10.3	11.9	---	---	---	---	---	---	---	---	---
16	13.9	10.4	12.2	---	---	---	---	---	---	---	---	---
17	13.5	8.3	11.1	---	---	---	---	---	---	---	---	---
18	14.0	6.8	10.6	---	---	---	---	---	---	---	---	---
19	13.4	5.7	9.2	---	---	---	---	---	---	---	---	---
20	12.4	6.5	9.0	---	---	---	---	---	---	---	---	---
21	12.1	7.5	9.5	---	---	---	---	---	---	---	---	---
22	11.4	7.5	9.4	---	---	---	---	---	---	---	---	---
23	11.9	9.1	10.3	---	---	---	---	---	---	---	---	---
24	11.0	8.0	9.4	---	---	---	---	---	---	---	---	---
25	11.1	6.2	8.8	---	---	---	---	---	---	---	---	---
26	10.4	7.0	8.7	---	---	---	---	---	---	---	---	---
27	11.7	7.6	9.3	---	---	---	---	---	---	---	---	---
28	9.7	7.2	8.5	---	---	---	---	---	---	---	---	---
29	9.5	5.7	7.7	---	---	---	---	---	---	---	---	---
30	8.3	4.3	5.8	---	---	---	---	---	---	---	---	---
31	8.4	3.6	5.6	---	---	---	---	---	---	---	---	---
MONTH	16.8	3.6	11.1	8.7	0.9	4.6	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	17.4	7.6	11.6
2	---	---	---	---	---	---	---	---	---	19.4	8.7	13.1
3	---	---	---	---	---	---	---	---	---	19.4	9.7	14.1
4	---	---	---	---	---	---	---	---	---	17.7	9.1	12.5
5	---	---	---	---	---	---	---	---	---	17.7	8.9	13.1
6	---	---	---	---	---	---	---	---	---	19.3	7.8	12.6
7	---	---	---	10.3	---	---	---	---	---	19.3	10.9	13.9
8	---	---	---	11.2	1.6	5.9	---	---	---	16.0	9.5	11.7
9	---	---	---	11.4	2.2	6.4	---	---	---	14.8	8.4	11.5
10	---	---	---	12.7	3.2	7.5	---	---	---	17.5	7.8	11.2
11	---	---	---	13.1	3.3	7.9	---	---	---	20.1	7.7	12.8
12	---	---	---	13.9	4.8	8.9	---	---	---	22.2	9.3	15.0
13	---	---	---	14.8	4.3	9.0	---	---	---	22.9	11.4	16.8
14	---	---	---	11.1	4.9	8.2	---	---	---	23.9	11.6	17.6
15	---	---	---	10.9	4.0	7.7	---	---	---	24.0	14.4	17.8
16	---	---	---	9.9	6.1	7.8	---	---	---	24.7	11.5	16.7
17	---	---	---	8.1	4.9	6.1	---	---	---	24.7	13.5	18.4
18	---	---	---	7.8	3.3	5.1	---	---	---	22.8	13.6	17.6
19	---	---	---	9.3	3.0	5.7	14.7	7.5	10.4	22.8	6.7	13.2
20	---	---	---	7.9	3.3	5.5	18.6	6.1	11.1	20.9	9.3	14.2
21	---	---	---	12.7	2.8	7.5	18.8	7.6	12.4	23.4	11.3	16.5
22	---	---	---	15.2	4.5	9.3	17.1	10.0	13.5	23.5	9.8	16.4
23	---	---	---	12.8	5.4	9.2	16.2	8.6	12.1	21.9	1.9	7.8
24	---	---	---	12.1	6.8	9.0	20.4	8.7	13.1	11.0	2.5	6.3
25	---	---	---	---	3.5	---	20.4	9.3	14.7	10.0	2.6	6.0
26	---	---	---	---	---	---	20.3	9.6	14.8	10.1	2.5	5.9
27	---	---	---	7.4	---	---	19.7	8.4	13.1	9.4	2.0	5.5
28	---	---	---	10.5	1.5	5.0	19.6	11.4	14.7	9.3	2.6	5.4
29	---	---	---	---	1.2	---	18.1	10.1	13.6	8.9	3.5	5.8
30	---	---	---	---	---	---	16.6	8.0	11.7	10.2	4.1	6.6
31	---	---	---	---	---	---	---	---	---	10.3	3.8	7.0
MONTH	---	---	---	15.2	1.2	7.3	20.4	6.1	12.9	24.7	1.9	12.1

09271400 ASHLEY CREEK NEAR NAPLES, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.3	5.2	13.4	27.1	18.5	23.0	29.8	21.9	25.5	24.0	16.2	20.3
2	20.0	10.0	14.8	27.7	17.1	22.4	28.3	22.7	25.7	24.1	16.7	20.5
3	22.8	11.0	16.9	28.2	18.2	23.2	28.3	22.3	25.2	24.8	17.0	21.1
4	23.0	13.5	17.8	27.8	18.0	23.1	29.6	21.3	25.2	25.1	17.2	21.2
5	23.7	12.8	17.9	28.3	18.0	23.2	30.2	20.8	25.3	22.8	18.6	20.8
6	24.5	13.0	18.2	28.1	18.1	23.2	29.0	20.6	24.8	20.6	16.4	18.7
7	23.7	13.3	18.0	27.0	18.3	22.4	25.2	20.5	22.4	23.3	15.7	19.3
8	25.0	13.2	18.9	27.1	18.3	22.7	27.2	18.6	22.8	20.6	16.0	18.6
9	21.8	16.0	18.5	28.6	16.0	22.1	29.0	20.2	24.5	21.0	15.9	18.4
10	24.7	14.6	19.5	28.4	17.5	23.1	29.2	20.0	24.7	19.1	15.2	17.3
11	23.8	15.9	19.7	27.7	18.1	23.2	27.9	20.1	24.4	21.0	12.9	16.8
12	21.8	16.3	18.5	29.5	19.6	24.4	27.6	20.7	24.2	21.2	13.0	17.0
13	23.6	14.2	18.7	28.1	19.8	24.1	29.1	20.5	24.8	19.4	12.4	16.1
14	26.1	14.5	20.0	29.5	17.5	23.5	29.3	21.7	25.4	18.8	12.1	15.4
15	26.8	16.5	21.7	28.6	19.8	24.3	26.0	20.3	23.6	18.7	10.9	15.2
16	26.1	17.6	21.8	29.3	19.5	24.5	26.8	19.3	23.0	19.1	13.8	16.5
17	26.8	16.8	21.2	30.3	20.9	25.6	27.4	19.7	23.3	16.7	13.3	15.2
18	27.6	17.4	21.9	30.3	21.0	26.0	26.3	18.5	22.4	17.4	10.1	13.5
19	24.9	17.5	21.0	30.0	21.6	25.6	26.9	19.1	22.9	16.9	9.8	13.4
20	22.3	16.9	19.6	28.5	21.9	25.5	26.5	19.5	23.1	18.7	10.4	14.3
21	23.3	15.6	19.3	32.0	21.2	26.3	27.1	21.2	23.9	18.6	10.6	14.5
22	24.2	15.0	19.2	30.6	21.7	26.5	29.1	21.1	24.6	18.9	10.2	14.5
23	24.6	14.7	18.8	31.7	20.5	26.3	28.4	22.0	24.9	19.4	10.3	14.8
24	17.8	14.4	16.0	29.3	21.6	25.7	27.6	19.3	23.7	19.0	10.5	14.7
25	23.0	13.0	17.7	30.4	22.8	26.5	27.0	20.6	24.0	18.6	10.0	14.3
26	25.5	13.3	19.1	31.6	24.0	27.2	27.1	17.8	22.6	19.3	10.7	15.0
27	26.9	14.9	20.7	31.4	24.0	27.2	23.8	18.6	20.7	19.5	11.7	15.6
28	27.5	16.2	21.8	28.8	22.0	25.6	26.3	16.2	21.0	19.2	13.0	16.2
29	28.4	17.1	22.7	29.6	20.9	25.2	24.3	16.5	20.8	18.7	11.6	15.6
30	28.7	17.4	23.0	29.8	22.3	25.8	25.0	17.4	20.9	18.7	12.2	15.7
31	---	---	---	28.3	21.4	24.9	24.9	16.2	20.6	---	---	---
MONTH	28.7	5.2	19.2	32.0	16.0	24.6	30.2	16.2	23.6	25.1	9.8	16.7

09271425 ASHLEY CREEK ABOVE RIVER IRRIGATION PIPELINE, NEAR NAPLES, UT

LOCATION.--Lat 40°24'29", long 109°26'04", in SE¼SW¼SW¼ sec. 10, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on left bank east of Naples.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April to September 2003 (discontinued). Published seasonally as Ashley Creek above Pipeline Diversion, May to November, 2002.

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above NGVD of 1929, from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,290 ft^3/s, May 28, 2003, gage height, 4.94 ft, from rating curve extended above 805 ft^3/s; minimum daily discharge, 3.5 ft^3/s, Apr 15, 16, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,290 ft^3/s, May 28, gage height, 4.94 ft, from rating curve extended above 805 ft^3/s; minimum daily discharge, 3.5 ft^3/s, Apr. 15, 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	10	467	11	5.4	6.5
2	---	---	---	---	---	---	e11	13	297	9.5	6.1	6.1
3	---	---	---	---	---	---	11	15	64	8.1	7.8	5.2
4	---	---	---	---	---	---	10	23	16	8.1	8.4	5.3
5	---	---	---	---	---	---	8.9	27	14	7.8	7.7	5.7
6	---	---	---	---	---	---	9.2	24	11	8.8	7.4	7.0
7	---	---	---	---	---	---	9.1	24	11	8.4	7.9	8.2
8	---	---	---	---	---	---	7.2	29	10	8.3	8.9	7.8
9	---	---	---	---	---	---	8.5	40	9.7	9.2	9.4	7.9
10	---	---	---	---	---	---	6.4	40	9.5	9.4	7.4	8.0
11	---	---	---	---	---	---	5.5	33	8.7	9.5	6.7	10
12	---	---	---	---	---	---	4.7	24	17	7.7	5.8	10
13	---	---	---	---	---	---	4.4	21	12	8.7	5.9	6.9
14	---	---	---	---	---	---	4.0	21	11	8.5	5.3	6.3
15	---	---	---	---	---	---	3.5	21	11	8.1	4.5	6.6
16	---	---	---	---	---	---	3.5	31	9.7	7.3	5.0	6.5
17	---	---	---	---	---	---	4.0	28	8.7	6.7	5.5	7.2
18	---	---	---	---	---	---	3.8	29	8.8	6.2	6.5	6.4
19	---	---	---	---	---	---	4.5	99	9.9	6.2	5.9	7.4
20	---	---	---	---	---	---	3.8	26	8.8	6.2	5.6	7.1
21	---	---	---	---	---	---	5.4	18	11	7.6	5.7	8.9
22	---	---	---	---	---	---	4.6	66	12	6.3	6.5	8.3
23	---	---	---	---	---	---	4.6	221	11	9.0	7.5	8.0
24	---	---	---	---	---	---	5.7	364	12	6.2	9.3	7.5
25	---	---	---	---	---	---	4.1	377	13	5.5	9.0	7.0
26	---	---	---	---	---	---	5.8	443	12	5.4	7.7	6.4
27	---	---	---	---	---	---	9.3	527	11	5.4	7.4	6.9
28	---	---	---	---	---	---	9.5	837	8.1	6.8	9.0	5.1
29	---	---	---	---	---	---	6.3	761	7.3	8.0	7.5	6.2
30	---	---	---	---	---	---	12	612	8.3	6.1	6.9	6.2
31	---	---	---	---	---	---	---	565	---	5.3	8.0	---
TOTAL	---	---	---	---	---	---	---	5,369	1,120.5	235.3	217.6	212.6
MEAN	---	---	---	---	---	---	---	173	37.4	7.59	7.02	7.09
MAX	---	---	---	---	---	---	---	837	467	11	9.4	10
MIN	---	---	---	---	---	---	---	10	7.3	5.3	4.5	5.1

e Estimated

09271425 ASHLEY CREEK ABOVE RIVER IRRIGATION PIPELINE NEAR NAPLES, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 2003 to September 30, 2003 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: April 2003 to September 30, 2003.
WATER TEMPERATURE: April 2003 to September 30, 2003.

INSTRUMENTATION.--Water-quality monitor from April 2003 to September 30, 2003.

REMARKS.--Specific conductance and temperature records good.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 2,080 microsiemens/cm, May 4, 2003; minimum recorded, 151 microsiemens/cm, May 29, 2003.
WATER TEMPERATURE: Maximum recorded, 29.3°C, Jul 26, 2003; minimum observed, 3.6°C, Apr 4, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 2,080 microsiemens/cm, May 4; minimum, 151 microsiemens/cm, May 29.
WATER TEMPERATURE: Maximum, 29.3°C, Jul 26; minimum, 3.6°C, Apr 4.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Sample type	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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)
APR												
16...	1740	Environmental	1.82	5.2	641	189	15.5	8.8	1,700	--	16.2	--
16...	1750	Replicate	1.82	5.2	641	189	15.5	8.8	1,700	--	16.2	--
MAY												
23...	1350	Environmental	3.16	204	644	102	8.7	7.9	291	--	14.8	--
23...	1355	Replicate	--	--	--	--	--	7.9	291	--	--	--
29...	1250	Environmental	4.17	682	642	101	8.9	7.8	159	34.5	13.1	--
JUL												
24...	1350	Environmental	1.43	6.5	642	229	15.4	8.0	1,400	39.0	26.3	--
AUG												
27...	0940	Environmental	1.37	5.8	637	94	7.1	8.0	1,530	--	19.9	--
SEP												
24...	1650	Environmental	--	9.0	--	--	--	--	1,440	--	17.4	22.4
24...	1700	Replicate	--	9.0	--	--	--	--	1,440	--	17.4	22.0
25...	1440	Environmental	--	8.3	--	--	--	--	1,450	--	16.0	23.1
25...	1450	Replicate	--	8.3	--	--	--	--	1,450	--	16.0	23.8

Date	Fluoride, water, fltrd, mg/L (00950)	Residue on evap. at 180degC wat flt mg/L (70300)	Boron, water, fltrd, ug/L (01020)	Bromide water, fltrd, mg/L (71870)	Selenium, water, fltrd, ug/L (01145)
APR					
16...	--	1,390	--	--	55.5
16...	--	1,410	--	--	59.2
MAY					
23...	--	203	--	--	4.6
23...	--	198	--	--	2.9
29...	--	116	--	--	2.1
JUL					
24...	--	1,110	--	--	26.5
AUG					
27...	--	1,210	--	--	19.2
SEP					
24...	0.8	1,120	347	E.01	16.1
24...	0.8	1,130	343	E.01	16.2
25...	0.8	1,150	349	E.01	18.1
25...	0.8	1,180	345	E.01	17.4

E Estimated Value.

09271425 ASHLEY CREEK ABOVE RIVER IRRIGATION PIPELINE NEAR NAPLES, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	1,720	1,600	1,680
2	---	---	---	---	---	---	---	---	---	1,820	1,700	1,740
3	---	---	---	---	---	---	1,770	1,660	---	2,020	1,740	1,870
4	---	---	---	---	---	---	1,760	1,670	1,720	2,080	1,680	1,890
5	---	---	---	---	---	---	1,740	1,620	1,680	1,800	1,510	1,700
6	---	---	---	---	---	---	1,760	1,540	1,680	1,770	1,630	1,710
7	---	---	---	---	---	---	1,780	1,610	1,690	1,760	1,630	1,710
8	---	---	---	---	---	---	1,770	1,580	1,680	1,790	1,630	1,710
9	---	---	---	---	---	---	1,780	1,640	1,690	1,830	1,680	1,740
10	---	---	---	---	---	---	1,800	1,480	1,690	1,850	1,770	1,830
11	---	---	---	---	---	---	1,770	1,560	1,680	1,950	1,850	1,910
12	---	---	---	---	---	---	1,770	1,540	1,700	1,940	1,690	1,870
13	---	---	---	---	---	---	1,800	1,580	1,700	1,900	1,780	1,840
14	---	---	---	---	---	---	1,790	1,620	1,730	1,840	1,680	1,760
15	---	---	---	---	---	---	1,760	1,640	1,700	1,870	953	1,790
16	---	---	---	---	---	---	1,740	1,640	1,690	1,840	1,420	1,710
17	---	---	---	---	---	---	1,780	1,680	1,730	1,780	1,560	1,660
18	---	---	---	---	---	---	1,790	1,610	1,730	1,800	1,660	1,750
19	---	---	---	---	---	---	1,820	1,670	1,740	1,840	383	730
20	---	---	---	---	---	---	1,890	1,710	1,810	1,140	809	1,020
21	---	---	---	---	---	---	1,850	1,720	1,820	1,380	1,100	1,230
22	---	---	---	---	---	---	1,950	1,780	1,850	1,420	406	795
23	---	---	---	---	---	---	1,850	1,700	1,770	785	252	378
24	---	---	---	---	---	---	1,790	1,660	1,740	330	193	235
25	---	---	---	---	---	---	1,860	1,700	1,780	276	191	229
26	---	---	---	---	---	---	1,790	1,650	1,720	260	190	223
27	---	---	---	---	---	---	1,830	1,600	1,740	208	156	181
28	---	---	---	---	---	---	1,810	1,650	1,740	320	156	224
29	---	---	---	---	---	---	1,770	1,660	1,730	---	151	---
30	---	---	---	---	---	---	1,830	1,580	1,700	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	1,950	1,480	1,730	2,080	151	1,330
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	1,280	1,120	1,210	1,400	1,300	1,340	1,420	1,270	1,350
2	---	---	---	1,200	1,130	1,180	1,370	1,290	1,320	1,420	1,360	1,390
3	---	---	---	1,340	1,180	1,260	1,370	1,240	1,300	1,410	1,330	1,350
4	---	---	---	1,220	1,140	1,180	1,240	1,180	1,210	1,370	1,300	1,330
5	---	---	---	1,230	1,150	1,190	1,220	1,120	1,150	1,390	1,330	1,360
6	---	---	---	1,200	1,120	1,170	1,330	1,210	1,250	1,390	1,300	1,340
7	---	---	---	1,220	1,130	1,200	1,340	1,260	1,300	1,380	1,310	1,340
8	---	---	---	1,290	1,140	1,240	1,310	1,240	1,260	1,380	1,330	1,360
9	---	---	---	1,160	1,070	1,110	1,340	1,280	1,310	1,390	1,300	1,360
10	---	---	---	1,140	1,080	1,110	1,300	1,250	1,270	1,390	1,290	1,340
11	---	---	---	1,250	1,120	1,200	1,380	1,250	1,320	1,310	1,240	1,280
12	---	---	---	1,350	1,150	1,240	1,370	1,290	1,330	1,360	1,260	1,320
13	---	---	---	1,350	1,180	1,240	1,370	1,280	1,320	1,450	1,360	1,400
14	---	---	---	1,290	1,240	1,270	1,300	1,260	1,280	1,460	1,370	1,400
15	---	---	---	1,470	1,280	1,380	1,380	1,300	1,330	1,450	1,380	1,400
16	---	---	---	1,400	1,260	1,350	1,360	1,290	1,320	1,420	1,340	1,370
17	---	---	---	1,370	1,250	1,330	1,360	1,310	1,330	1,380	1,300	1,340
18	---	---	---	1,360	1,300	1,340	1,360	1,290	1,330	1,360	1,260	1,320
19	---	---	---	1,350	1,280	1,310	1,380	1,320	1,350	---	1,250	---
20	---	---	---	1,390	1,300	1,340	1,410	1,380	1,390	1,360	1,290	1,340
21	---	---	---	1,420	1,210	1,310	1,400	1,330	1,360	1,310	1,270	1,290
22	---	---	---	1,390	1,270	1,360	1,420	1,310	1,360	1,420	1,270	1,380
23	---	---	---	1,340	1,180	1,230	1,440	1,310	1,390	1,420	1,350	1,400
24	---	---	---	1,450	1,220	1,340	1,320	1,230	1,290	1,440	1,350	1,400
25	1,500	---	---	1,520	1,440	1,490	1,300	1,220	1,260	1,490	1,420	1,460
26	1,520	1,330	1,460	1,500	1,300	1,380	1,410	1,290	1,360	1,480	1,430	1,460
27	1,450	1,280	1,380	1,430	1,350	1,400	1,550	1,400	1,490	1,480	1,430	1,460
28	1,320	1,220	1,280	1,410	1,250	1,350	1,510	1,320	1,370	1,550	1,460	1,520
29	1,350	1,260	1,310	1,340	1,240	1,290	1,420	1,320	1,380	1,530	1,440	1,500
30	1,350	1,240	1,290	1,390	1,250	1,350	1,470	1,390	1,430	1,560	1,450	1,510
31	---	---	---	1,400	1,360	1,380	1,390	1,290	1,330	---	---	---
MONTH	1,520	1,220	1,340	1,520	1,070	1,280	1,550	1,120	1,320	1,560	1,240	1,380

09271425 ASHLEY CREEK ABOVE RIVER IRRIGATION PIPELINE NEAR NAPLES, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	16.9	9.5	13.2
2	---	---	---	---	---	---	---	---	---	18.2	11.4	14.9
3	---	---	---	---	---	---	9.9	---	---	16.1	12.1	14.2
4	---	---	---	---	---	---	10.1	3.6	7.1	17.0	10.4	13.6
5	---	---	---	---	---	---	8.6	5.4	7.3	16.1	11.0	13.7
6	---	---	---	---	---	---	9.9	5.1	7.7	17.3	9.3	13.5
7	---	---	---	---	---	---	12.4	4.6	8.4	15.6	12.5	14.0
8	---	---	---	---	---	---	13.9	5.8	10.0	14.3	10.9	12.5
9	---	---	---	---	---	---	15.3	7.2	11.4	13.1	9.7	11.5
10	---	---	---	---	---	---	16.2	8.3	12.6	16.8	8.9	12.5
11	---	---	---	---	---	---	17.2	9.6	13.6	18.7	9.3	13.9
12	---	---	---	---	---	---	15.3	10.2	13.0	20.5	11.1	15.9
13	---	---	---	---	---	---	16.9	9.3	13.1	21.6	13.4	17.5
14	---	---	---	---	---	---	14.7	10.7	13.2	22.8	13.8	18.4
15	---	---	---	---	---	---	15.0	10.0	12.4	20.0	15.7	17.4
16	---	---	---	---	---	---	16.2	8.6	12.3	23.5	13.3	18.1
17	---	---	---	---	---	---	14.4	10.0	12.4	19.9	15.3	17.8
18	---	---	---	---	---	---	13.6	9.5	11.5	21.7	14.8	17.9
19	---	---	---	---	---	---	13.3	9.3	11.1	16.9	7.9	12.9
20	---	---	---	---	---	---	17.4	8.3	12.8	19.8	10.8	15.2
21	---	---	---	---	---	---	15.7	10.3	13.3	21.8	12.7	17.1
22	---	---	---	---	---	---	16.1	11.9	14.1	20.1	12.3	16.7
23	---	---	---	---	---	---	15.2	10.8	13.1	20.0	9.7	15.4
24	---	---	---	---	---	---	18.8	11.0	14.8	18.4	8.9	13.6
25	---	---	---	---	---	---	19.5	12.2	16.0	18.1	9.0	13.4
26	---	---	---	---	---	---	18.8	12.7	15.7	18.8	9.2	13.7
27	---	---	---	---	---	---	17.3	10.3	14.2	18.4	9.1	13.4
28	---	---	---	---	---	---	17.3	13.1	15.2	17.1	9.2	12.8
29	---	---	---	---	---	---	17.1	12.1	14.3	15.2	10.4	12.8
30	---	---	---	---	---	---	13.8	9.1	12.0	16.4	10.6	13.1
31	---	---	---	---	---	---	---	---	---	18.4	11.0	14.3
MONTH	---	---	---	---	---	---	19.5	3.6	12.3	23.5	7.9	14.7
		JUNE			JULY			AUGUST			SEPTEMBER	
1	18.2	12.4	15.4	26.2	20.0	23.1	28.3	20.8	24.2	23.0	17.9	20.6
2	18.9	11.2	14.6	26.3	18.1	22.3	26.8	21.5	24.2	22.9	18.5	20.8
3	19.4	14.1	16.8	25.9	19.0	22.8	26.0	21.8	23.6	24.2	18.5	21.2
4	20.2	15.8	18.0	25.6	18.8	22.6	26.2	20.8	23.5	24.4	18.6	21.5
5	20.9	15.6	18.1	26.4	18.4	22.8	27.1	20.5	23.7	22.5	19.8	21.0
6	21.2	16.3	18.7	26.3	18.5	22.8	26.6	20.4	23.5	21.2	17.9	19.5
7	21.0	16.1	18.5	25.0	19.0	22.0	23.6	20.9	21.9	22.5	17.5	19.9
8	21.5	16.2	18.8	25.2	18.2	22.0	25.5	18.9	22.1	20.8	18.0	19.5
9	21.4	18.1	19.2	25.9	17.2	21.6	26.8	21.0	24.1	20.2	17.3	18.9
10	21.2	16.8	18.8	26.7	18.2	22.5	27.7	21.7	24.8	18.9	16.4	17.6
11	21.2	18.4	20.0	26.1	18.7	22.6	27.1	21.8	24.5	19.5	14.1	16.8
12	20.6	17.3	18.7	26.8	18.8	22.9	28.1	21.2	24.2	19.8	14.8	17.4
13	20.5	16.6	18.5	26.4	19.1	23.0	28.4	21.6	24.7	18.5	13.8	16.4
14	22.2	17.0	19.2	26.8	19.4	23.4	29.0	22.3	25.4	18.0	13.0	15.7
15	23.1	18.9	21.0	26.4	21.4	24.2	26.8	21.7	23.7	18.0	12.9	15.8
16	23.0	19.9	21.4	27.5	21.0	24.5	26.3	20.0	22.8	18.7	15.2	17.2
17	22.3	19.2	20.9	28.3	21.8	25.0	26.2	20.6	22.9	17.5	13.9	15.9
18	23.2	19.8	21.5	28.5	22.1	25.2	25.3	19.8	22.2	16.0	11.3	13.8
19	23.1	20.0	21.3	28.7	21.7	24.9	25.7	19.0	22.1	16.0	11.5	---
20	21.3	18.7	19.8	26.8	21.8	24.4	26.0	19.2	22.4	16.9	12.1	14.7
21	20.2	17.4	18.8	28.5	21.0	24.8	25.8	20.6	22.8	17.0	12.7	15.1
22	20.4	17.4	19.0	28.3	21.7	25.0	27.2	20.8	23.5	17.2	12.7	15.2
23	20.1	16.6	18.2	27.8	20.8	24.4	27.3	21.7	24.0	17.7	12.8	15.4
24	18.4	15.6	16.5	27.4	20.7	24.1	25.6	20.5	23.3	17.5	12.7	15.3
25	21.3	15.2	18.3	28.3	21.9	25.0	25.3	21.0	23.3	16.9	12.4	15.0
26	23.3	15.2	19.3	29.3	22.8	25.6	24.9	19.6	22.5	18.0	13.2	15.7
27	24.6	16.7	20.7	29.1	22.7	25.4	22.8	19.7	20.9	18.4	13.9	16.3
28	25.2	18.2	21.8	27.4	22.0	24.5	23.5	17.5	20.6	19.0	14.2	16.6
29	26.0	18.8	22.6	26.8	21.1	24.0	22.6	18.1	20.7	18.3	14.2	16.4
30	26.2	19.7	23.0	27.6	21.0	24.3	23.2	18.7	20.7	18.1	14.0	16.3
31	---	---	---	27.2	21.4	23.9	23.0	17.5	20.4	---	---	---
MONTH	26.2	11.2	19.2	29.3	17.2	23.7	29.0	17.5	23.0	24.4	11.3	17.3

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, UT

LOCATION.--Lat 40°23'53", long 109°25'44", in SE¼SW¼SW¼ sec. 10, T. 5 S., R. 22 E., Uintah County, Hydrologic Unit 14060002, on right bank about 50 ft below county road bridge, east of Naples.

DRAINAGE AREA.--Not determined.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1999 to April 2003 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 4,870 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 1,140 ft^3/s, May 25, 2001; no flow many days in Jul, Aug, Sep, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 43 ft^3/s, Oct. 3; minimum daily discharge, 3.0 ft^3/s, Feb 8, 9, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.4	10	10	e11	e4.5	16	---	---	---	---	---	---
2	5.6	8.5	10	e11	e5.5	16	---	---	---	---	---	---
3	24	e7.0	10	e11	e4.7	16	---	---	---	---	---	---
4	9.5	e6.5	10	e12	e3.7	16	---	---	---	---	---	---
5	7.0	e6.3	9.9	e11	e4.0	15	---	---	---	---	---	---
6	8.8	e6.6	10	e11	e3.2	15	---	---	---	---	---	---
7	8.8	e7.0	9.5	e11	e3.1	16	---	---	---	---	---	---
8	4.5	11	8.5	e10	e3.0	16	---	---	---	---	---	---
9	3.9	24	8.3	e10	e3.0	16	---	---	---	---	---	---
10	5.6	14	8.0	e9.6	e3.0	16	---	---	---	---	---	---
11	6.4	11	7.6	e8.5	e3.5	16	---	---	---	---	---	---
12	4.7	11	7.5	e7.0	e5.0	14	---	---	---	---	---	---
13	9.6	11	6.9	e5.7	13	13	---	---	---	---	---	---
14	14	13	6.9	e4.7	15	13	---	---	---	---	---	---
15	13	9.8	7.3	e4.5	17	13	---	---	---	---	---	---
16	14	8.6	e7.6	e4.5	17	15	---	---	---	---	---	---
17	12	9.7	e8.0	e4.5	17	31	---	---	---	---	---	---
18	11	12	e8.2	e4.6	18	20	---	---	---	---	---	---
19	9.8	13	e7.6	e4.8	18	14	---	---	---	---	---	---
20	9.6	13	e8.4	e5.2	18	13	---	---	---	---	---	---
21	8.7	13	e7.1	e7.3	20	13	---	---	---	---	---	---
22	9.5	12	e6.2	e8.8	20	12	---	---	---	---	---	---
23	8.5	11	e5.8	e9.7	17	9.0	---	---	---	---	---	---
24	8.2	11	e5.3	e8.8	14	9.5	---	---	---	---	---	---
25	7.8	e10	e4.4	e8.3	15	7.9	---	---	---	---	---	---
26	7.1	e9.5	e3.6	e8.0	16	7.8	---	---	---	---	---	---
27	10	9.3	e3.8	e7.0	17	12	---	---	---	---	---	---
28	11	9.2	e7.5	e5.2	17	11	---	---	---	---	---	---
29	11	9.0	e9.3	e4.5	---	9.9	---	---	---	---	---	---
30	14	9.6	e10	e4.2	---	9.1	---	---	---	---	---	---
31	12	---	e11	e4.3	---	10	---	---	---	---	---	---
TOTAL	294.0	316.6	244.2	237.7	315.2	431.2	---	---	---	---	---	---
MEAN	9.48	10.6	7.88	7.67	11.3	13.9	---	---	---	---	---	---
MAX	24	24	11	12	20	31	---	---	---	---	---	---
MIN	3.9	6.3	3.6	4.2	3.0	7.8	---	---	---	---	---	---
AC-FT	583	628	484	471	625	855	---	---	---	---	---	---

CAL YR 2002 TOTAL 3,745.36 MEAN 10.3 MAX 29 MIN 0.00 AC-FT 7,430

e Estimated

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 17, 2000 to April 1, 2003 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: March 17, 2000 to April 1, 2003.
WATER TEMPERATURE: March 17, 2000 to April 1, 2003.

INSTRUMENTATION.--Water-quality monitor from March 17, 2000 to April 1, 2003.

REMARKS.--Specific conductance and temperature records good. Partial record, since the instrument is removed during the winter months.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 7,440 microsiemens/cm, in a stagnant pool during zero flow, Aug 20, 2002; minimum recorded, 114 microsiemens/cm, May 24, 2001.
WATER TEMPERATURE: Maximum recorded, 32.6°C, Jul 9, 2002; minimum observed, 0.1°C, Jan 9, 2003.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 2,740 microsiemens/cm, Mar 13; minimum recorded, 1,260 microsiemens/cm, Oct 2.
WATER TEMPERATURE: Maximum recorded, 18.5°C, Oct 8; minimum observed, 0.1°C, Jan 9.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, water, deg C (00010)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Residue on evap. at 180degC wat flt mg/L (70300)	Boron, water, fltrd, ug/L (01020)
OCT													
02...	1545	6.06	1.9	635	176	14.4	8.6	1,740	15.7	--	--	1,450	--
10...	1230	--	--	--	--	--	8.6	1,870	14.0	--	--	1,550	--
23...	1400	6.34	6.3	637	--	--	8.8	1,790	12.3	--	--	1,500	--
NOV													
14...	1355	6.39	9.9	--	--	14.7	8.6	1,780	6.2	--	--	1,500	--
JAN													
09...	0900	--	10	629	95	11.3	8.0	1,740	0.1	--	--	1,400	--
MAR													
06...	0950	6.34	13	621	140	15.1	8.4	1,820	3.3	--	--	1,500	--
27...	1440	--	--	--	--	--	8.7	1,920	8.5	--	--	1,610	--
SEP													
25...	1630	--	6.5	--	--	--	--	1,470	18.4	23.9	0.8	1,220	349

Date	Bromide water, fltrd, mg/L (71870)	Selenium, water, fltrd, ug/L (01145)
OCT		
02...	--	79.0
10...	--	55.1
23...	--	58.4
NOV		
14...	--	49.5
JAN		
09...	--	40.4
MAR		
06...	--	36.7
27...	--	44.8
SEP		
25...	E.01	26.6

E Estimated value.

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1,780	1,680	1,730	1,850	1,660	1,740	---	---	---	---	---	---
2	1,820	1,260	1,710	1,870	1,810	1,830	---	---	---	---	---	---
3	2,140	1,420	1,800	1,850	1,760	1,810	---	---	---	---	---	---
4	2,210	2,070	2,160	1,860	1,750	1,790	---	---	---	---	---	---
5	2,100	1,960	2,040	2,520	1,770	1,860	---	---	---	---	---	---
6	2,040	1,900	1,970	1,870	1,820	1,840	---	---	---	---	---	---
7	2,060	1,870	1,960	1,880	1,820	1,840	---	---	---	---	---	---
8	1,920	1,860	1,880	1,880	1,790	1,830	---	---	---	---	---	---
9	1,970	1,850	1,910	2,000	1,740	1,850	---	---	---	---	---	---
10	1,920	1,830	1,870	---	1,920	---	---	---	---	---	---	---
11	1,980	1,880	1,920	---	1,920	---	---	---	---	---	---	---
12	1,970	1,880	1,930	1,970	1,840	1,890	---	---	---	---	---	---
13	1,910	1,800	1,860	1,920	1,830	1,870	---	---	---	---	---	---
14	2,010	1,810	1,940	---	1,800	---	---	---	---	---	---	---
15	1,930	1,810	1,850	---	---	---	---	---	---	---	---	---
16	1,900	1,820	1,850	---	---	---	---	---	---	---	---	---
17	1,890	1,810	1,840	---	---	---	---	---	---	---	---	---
18	1,840	1,770	1,800	---	---	---	---	---	---	---	---	---
19	1,840	1,790	1,810	---	---	---	---	---	---	---	---	---
20	1,860	1,760	1,810	---	---	---	---	---	---	---	---	---
21	1,870	1,760	1,810	---	---	---	---	---	---	---	---	---
22	1,840	1,740	1,790	---	---	---	---	---	---	---	---	---
23	1,880	1,770	1,820	---	---	---	---	---	---	---	---	---
24	1,860	1,750	1,820	---	---	---	---	---	---	---	---	---
25	1,870	1,750	1,830	---	---	---	---	---	---	---	---	---
26	1,880	1,800	1,860	---	---	---	---	---	---	---	---	---
27	1,900	1,790	1,830	---	---	---	---	---	---	---	---	---
28	1,920	1,820	1,850	---	---	---	---	---	---	---	---	---
29	1,900	1,800	1,840	---	---	---	---	---	---	---	---	---
30	1,890	1,810	1,850	---	---	---	---	---	---	---	---	---
31	1,880	1,690	1,780	---	---	---	---	---	---	---	---	---
MONTH	2,210	1,260	1,860	2,520	1,660	1,830	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	1,760	---	---	---	---	---	---	---
7	---	---	---	1,830	1,760	1,800	---	---	---	---	---	---
8	---	---	---	1,830	1,770	1,810	---	---	---	---	---	---
9	---	---	---	1,820	1,780	1,810	---	---	---	---	---	---
10	---	---	---	1,820	1,640	1,800	---	---	---	---	---	---
11	---	---	---	1,830	1,680	1,800	---	---	---	---	---	---
12	---	---	---	1,840	1,790	1,820	---	---	---	---	---	---
13	---	---	---	2,740	1,800	1,880	---	---	---	---	---	---
14	---	---	---	1,910	1,830	1,850	---	---	---	---	---	---
15	---	---	---	1,910	1,810	1,860	---	---	---	---	---	---
16	---	---	---	1,910	1,780	1,860	---	---	---	---	---	---
17	---	---	---	1,970	1,860	1,910	---	---	---	---	---	---
18	---	---	---	2,020	1,880	1,970	---	---	---	---	---	---
19	---	---	---	2,040	1,960	1,980	---	---	---	---	---	---
20	---	---	---	2,010	1,910	1,950	---	---	---	---	---	---
21	---	---	---	1,980	1,890	1,940	---	---	---	---	---	---
22	---	---	---	2,000	1,900	1,940	---	---	---	---	---	---
23	---	---	---	2,010	1,920	1,950	---	---	---	---	---	---
24	---	---	---	1,960	1,810	1,880	---	---	---	---	---	---
25	---	---	---	1,920	1,860	1,890	---	---	---	---	---	---
26	---	---	---	1,970	1,840	1,900	---	---	---	---	---	---
27	---	---	---	1,920	1,860	1,890	---	---	---	---	---	---
28	---	---	---	1,900	1,790	1,820	---	---	---	---	---	---
29	---	---	---	1,870	1,740	1,810	---	---	---	---	---	---
30	---	---	---	1,900	1,790	1,820	---	---	---	---	---	---
31	---	---	---	1,870	1,740	1,820	---	---	---	---	---	---
MONTH	---	---	---	2,740	1,640	1,870	---	---	---	---	---	---

09271450 ASHLEY CREEK BELOW SADLIER DRAW NEAR NAPLES, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	18.4	13.6	15.5	8.3	5.7	6.7	---	---	---	---	---	---
2	15.9	12.3	14.2	8.8	5.7	6.7	---	---	---	---	---	---
3	14.7	11.0	12.8	6.9	3.4	5.1	---	---	---	---	---	---
4	16.8	12.3	14.1	6.4	2.8	4.5	---	---	---	---	---	---
5	17.4	12.3	14.4	7.1	2.7	4.5	---	---	---	---	---	---
6	17.5	11.7	14.2	7.6	2.9	4.9	---	---	---	---	---	---
7	17.6	11.9	14.4	5.8	3.0	4.5	---	---	---	---	---	---
8	18.5	11.7	14.7	6.6	3.9	5.2	---	---	---	---	---	---
9	17.9	11.3	14.0	9.0	6.2	7.1	---	---	---	---	---	---
10	17.5	11.3	13.9	7.8	5.0	---	---	---	---	---	---	---
11	15.7	12.0	13.6	7.9	4.8	6.2	---	---	---	---	---	---
12	14.8	8.8	11.5	7.4	3.9	5.5	---	---	---	---	---	---
13	13.7	8.3	10.7	6.6	4.8	5.5	---	---	---	---	---	---
14	13.1	8.2	10.5	---	4.1	---	---	---	---	---	---	---
15	13.1	8.2	10.5	---	---	---	---	---	---	---	---	---
16	13.1	8.3	10.6	---	---	---	---	---	---	---	---	---
17	13.4	8.6	10.8	---	---	---	---	---	---	---	---	---
18	13.5	8.6	10.8	---	---	---	---	---	---	---	---	---
19	12.9	8.1	10.1	---	---	---	---	---	---	---	---	---
20	12.7	8.1	10.1	---	---	---	---	---	---	---	---	---
21	12.6	7.7	9.9	---	---	---	---	---	---	---	---	---
22	11.9	8.1	9.9	---	---	---	---	---	---	---	---	---
23	12.7	9.7	10.9	---	---	---	---	---	---	---	---	---
24	11.3	8.6	9.9	---	---	---	---	---	---	---	---	---
25	11.9	7.8	9.5	---	---	---	---	---	---	---	---	---
26	11.1	8.0	9.3	---	---	---	---	---	---	---	---	---
27	12.2	8.5	10	---	---	---	---	---	---	---	---	---
28	10.6	8.2	9.3	---	---	---	---	---	---	---	---	---
29	9.2	7.0	8.3	---	---	---	---	---	---	---	---	---
30	8.6	6.2	7.1	---	---	---	---	---	---	---	---	---
31	7.7	5.5	6.6	---	---	---	---	---	---	---	---	---
MONTH	18.5	5.5	11.4	9.0	2.7	5.5	---	---	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	---	---	---	---	8.6	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	8.5	---	---	---	---	---	---	---	---
7	---	---	---	9.0	2.8	5.8	---	---	---	---	---	---
8	---	---	---	9.9	2.8	6.3	---	---	---	---	---	---
9	---	---	---	9.9	3.5	6.8	---	---	---	---	---	---
10	---	---	---	11.3	4.5	7.9	---	---	---	---	---	---
11	---	---	---	11.6	4.8	8.4	---	---	---	---	---	---
12	---	---	---	12.6	6.0	9.4	---	---	---	---	---	---
13	---	---	---	13.2	6.1	9.7	---	---	---	---	---	---
14	---	---	---	10.5	7.0	9.1	---	---	---	---	---	---
15	---	---	---	10.3	5.7	8.3	---	---	---	---	---	---
16	---	---	---	9.9	7.7	8.6	---	---	---	---	---	---
17	---	---	---	8.2	6.1	7.0	---	---	---	---	---	---
18	---	---	---	7.0	4.3	5.5	---	---	---	---	---	---
19	---	---	---	7.6	4.2	5.7	---	---	---	---	---	---
20	---	---	---	7.7	4.4	6.0	---	---	---	---	---	---
21	---	---	---	12.0	4.1	7.9	---	---	---	---	---	---
22	---	---	---	13.4	6.2	9.6	---	---	---	---	---	---
23	---	---	---	13.0	7.3	9.9	---	---	---	---	---	---
24	---	---	---	12.3	8.3	9.7	---	---	---	---	---	---
25	---	---	---	13.5	5.4	9.2	---	---	---	---	---	---
26	---	---	---	12.9	6.9	9.4	---	---	---	---	---	---
27	---	---	---	8.5	4.9	6.7	---	---	---	---	---	---
28	---	---	---	9.3	3.2	5.8	---	---	---	---	---	---
29	---	---	---	11.5	2.9	6.9	---	---	---	---	---	---
30	---	---	---	13.6	4.8	8.9	---	---	---	---	---	---
31	---	---	---	15.4	6.7	10.7	---	---	---	---	---	---
MONTH	---	---	---	15.4	2.8	8.0	---	8.6	---	---	---	---

09276600 WEST FORK DUCHESNE RIVER ABOVE NORTH FORK, NEAR HANNA, UT

LOCATION.--Lat 40°27'42", long 110°50'10", in SE¼SE¼SW¼ sec. 19, T. 1 N., R. 8 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank 0.2 mi above confluence with North Fork of Duchesne River and 4.5 mi northwest of Hanna.

DRAINAGE AREA.--89.1 mi^2.

PERIOD OF RECORD.--October 1989 to September 2003 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,880 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. One small diversion for irrigation above station. Flow regulated by Vat diversion, 12 miles above the station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 624 ft^3/s, May 28, 1999, gage height, 3.94 ft, maximum gage height, 4.06 ft, Jun 26, 1995; minimum daily discharge, 5.5 ft^3/s, Aug 16, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 114 ft^3/s, May 31, gage height, 2.74 ft; minimum daily discharge, 7.0 ft^3/s, Nov 3-6, Dec 26, Jan 19-22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	e16	e13	e10	e9	e10.5	e16	25	39	22	13	11
2	16	e11	e13	e8	e9	e10.5	e15	25	34	25	14	11
3	17	e7	e13	e8	e9	e11	e15	27	32	22	16	11
4	16	e7	e13	e8	e8.5	e11	e19	27	32	22	14	11
5	15	e7	e13	e9	e8.5	e11	e17	27	31	20	13	10
6	15	e7	e13	e10	e8.5	e12	e17	25	31	19	12	13
7	15	e7.5	e13	e11	e8	e12	e16	26	39	19	12	13
8	15	e8	e13	e12	e8	e12	13	27	39	18	12	13
9	15	e9	e13	e11.5	e8	e14	14	28	35	17	12	13
10	15	e8.5	e13	e11	e8.5	e14	15	27	31	16	11	15
11	15	e8	e13	e11.5	e8.5	e14	17	27	33	17	11	15
12	16	e7.5	e13.5	e12	e9	e15	19	27	33	16	12	13
13	16	e8	e13.5	e12	e9.5	e15	20	32	31	16	12	13
14	16	e8	e14	e11.5	e10	e15	22	40	32	16	12	12
15	16	e7.5	e14	e11	e11	e14	22	44	32	14	12	12
16	17	e7.5	e14.5	e9.5	e10.5	e14	19	45	31	13	14	12
17	17	e7.5	e14	e8.5	e9.5	e13	19	38	33	14	14	12
18	17	e7.5	e13	e7.5	e9.5	e13	20	34	33	14	12	12
19	17	e7.5	e12	e7	e9.5	e13	19	41	33	14	11	12
20	17	e8	e13	e7	e9.5	e13	18	28	30	15	11	12
21	17	e9	e11	e7	e9.5	e13	19	38	31	15	11	11
22	17	e10	e10	e7	e9.5	e13	21	40	30	14	13	11
23	18	e12	e11	e7.5	e9.5	e14	20	43	31	14	13	11
24	18	e16	e12	e7.5	e9	e14	19	47	37	14	12	11
25	18	e15	e9	e8	e9.5	e13	21	38	35	14	12	11
26	18	e14	e7	e8	e9.5	e13	26	36	34	13	11	11
27	18	e15	e8	e8.5	e10	e14	28	38	29	13	11	11
28	18	e15	e9	e8.5	e10	e13	28	37	28	13	11	11
29	19	e14	e10	e9	---	e14	28	37	28	19	11	11
30	20	e13	e12	e9.5	---	e15	27	37	26	13	14	11
31	19	---	e13	e9.5	---	e15	---	42	---	12	12	---
TOTAL	516	298.0	376.5	286.0	258.0	408.0	589	1,053	973	503	381	356
MEAN	16.6	9.93	12.1	9.23	9.21	13.2	19.6	34.0	32.4	16.2	12.3	11.9
MAX	20	16	14	12	11	15	28	47	39	25	16	15
MIN	13	7.0	7.0	7.0	8.0	10	13	25	26	12	11	10
AC-FT	1,020	591	747	567	512	809	1,170	2,090	1,930	998	756	706

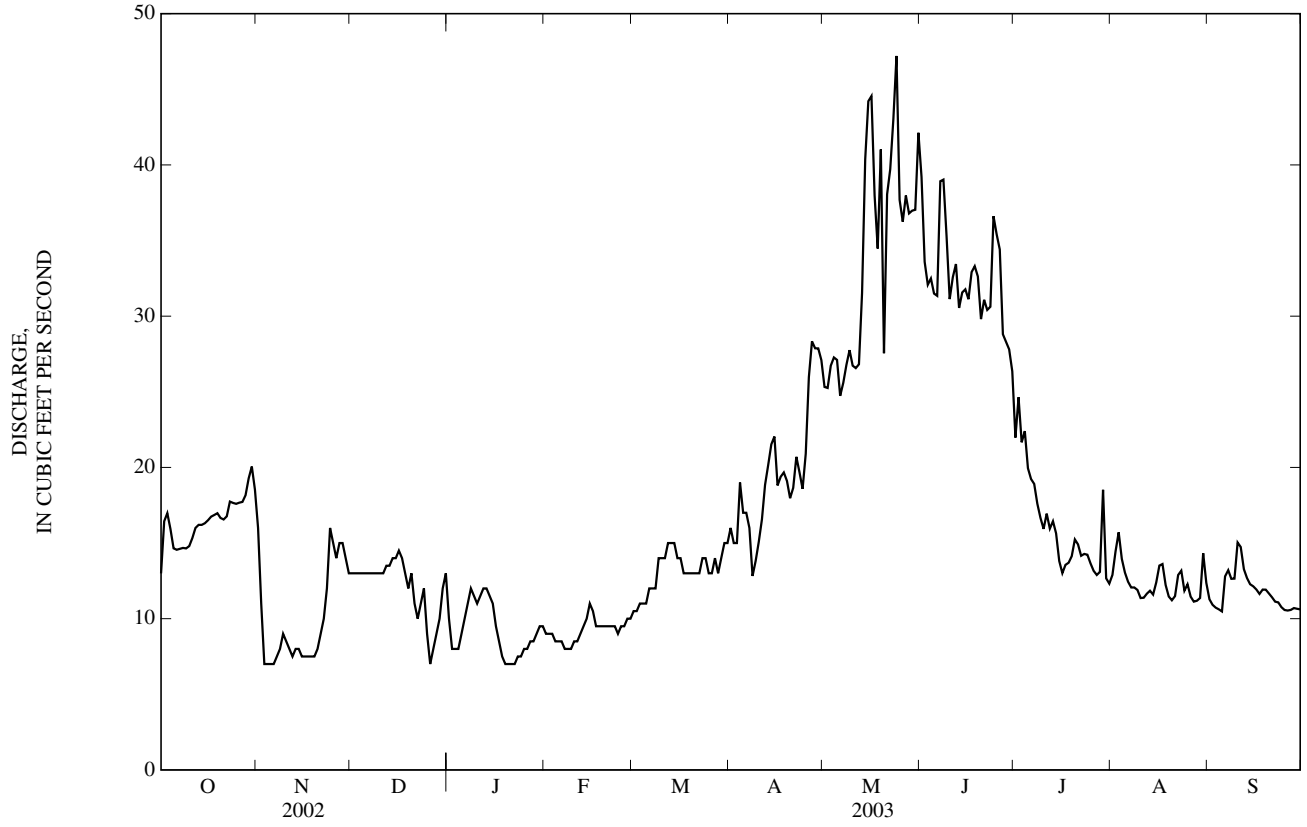
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

MEAN	18.8	17.3	15.2	14.0	13.5	17.6	28.4	75.8	85.8	34.9	22.3	19.2
MAX	29.0	26.1	22.9	20.4	20.7	23.3	41.3	160	254	90.6	42.4	35.8
(WY)	(1998)	(1998)	(1998)	(2000)	(1999)	(1998)	(1997)	(1998)	(1995)	(1998)	(1997)	(1997)
MIN	10.6	9.93	10.9	9.23	9.21	11.6	17.1	28.9	15.4	14.8	8.75	9.02
(WY)	(1993)	(2003)	(1993)	(2003)	(2003)	(1992)	(1992)	(1994)	(1992)	(2002)	(2002)	(1992)

09276600 WEST FORK DUCHESNE RIVER ABOVE NORTH FORK, NEAR HANNA, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	6,690.2		5,997.5			
ANNUAL MEAN	18.3		16.4		30.3	
HIGHEST ANNUAL MEAN					62.3	1998
LOWEST ANNUAL MEAN					16.4	2003
HIGHEST DAILY MEAN	92	May 6	47	May 24	474	May 29, 1999
LOWEST DAILY MEAN	5.5	Aug 16	7.0	Nov 3	5.5	Aug 16, 2002
ANNUAL SEVEN-DAY MINIMUM	6.3	Aug 13	7.2	Jan 18	6.3	Aug 13, 2002
ANNUAL RUNOFF (AC-FT)	13,270		11,900		21,930	
10 PERCENT EXCEEDS	31		31		46	
50 PERCENT EXCEEDS	14		13		19	
90 PERCENT EXCEEDS	8.3		8.5		11	

e Estimated



09277500 DUCHESNE RIVER NEAR TABIONA, UT

LOCATION.--Lat 40°18'01", long 110°36'06", in SE¼SW¼SE¼ 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^2.

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 poor. 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^3/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^3/s, on basis of slope-area measurement and area-velocity study of peak flow; minimum discharge, 18 ft^3/s, Jun 5, 6, 1992.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 28	0615	*382	*2.78				

Minimum discharge, 25 ft^3/s, Jul 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	87	72	70	73	67	70	92	190	47	36	57
2	91	82	69	e70	72	68	71	89	160	46	38	51
3	105	84	67	66	68	67	71	92	138	44	52	50
4	105	85	70	71	69	70	67	98	118	53	53	50
5	93	86	71	58	70	65	71	96	97	60	e42	53
6	92	86	65	60	e68	68	68	90	84	57	39	56
7	95	86	66	e61	e70	68	65	86	81	55	40	61
8	89	96	67	e61	e71	69	67	97	78	46	41	61
9	90	103	73	e61	e77	68	67	99	74	47	41	65
10	92	e91	76	e62	80	71	69	95	70	43	39	78
11	86	e89	81	e62	e80	75	72	91	62	40	39	78
12	84	82	65	59	78	78	76	90	59	37	42	73
13	86	83	63	60	69	78	80	87	44	33	45	67
14	86	83	64	62	70	78	86	96	37	32	44	66
15	87	78	66	e62	71	73	89	109	34	31	45	63
16	87	74	62	67	72	76	86	137	34	28	44	60
17	87	77	67	e62	69	77	82	164	35	28	51	59
18	87	78	65	e61	70	71	83	164	45	32	52	56
19	87	76	65	e59	69	71	83	198	53	40	44	e56
20	87	78	71	e59	72	73	81	164	56	40	42	53
21	86	76	69	e61	71	71	79	170	51	49	42	50
22	86	75	e71	64	70	69	82	190	52	42	46	50
23	90	76	71	64	68	72	84	228	55	42	53	51
24	90	77	e69	66	65	71	80	242	68	41	53	60
25	91	74	e68	67	72	70	80	241	76	44	54	54
26	90	67	e66	67	68	73	86	237	69	41	57	56
27	89	69	e66	68	64	71	95	256	60	39	54	60
28	88	70	e66	69	67	69	98	264	53	38	54	57
29	91	69	e67	68	---	e66	98	270	49	38	52	52
30	93	68	e69	70	---	e67	97	264	53	37	61	52
31	92	---	70	74	---	e68	---	206	---	37	62	---
TOTAL	2,775	2,405	2,117	1,991	1,983	2,198	2,383	4,802	2,135	1,287	1,457	1,755
MEAN	89.5	80.2	68.3	64.2	70.8	70.9	79.4	155	71.2	41.5	47.0	58.5
MAX	105	103	81	74	80	78	98	270	190	60	62	78
MIN	73	67	62	58	64	65	65	86	34	28	36	50
AC-FT	5,500	4,770	4,200	3,950	3,930	4,360	4,730	9,520	4,230	2,550	2,890	3,480

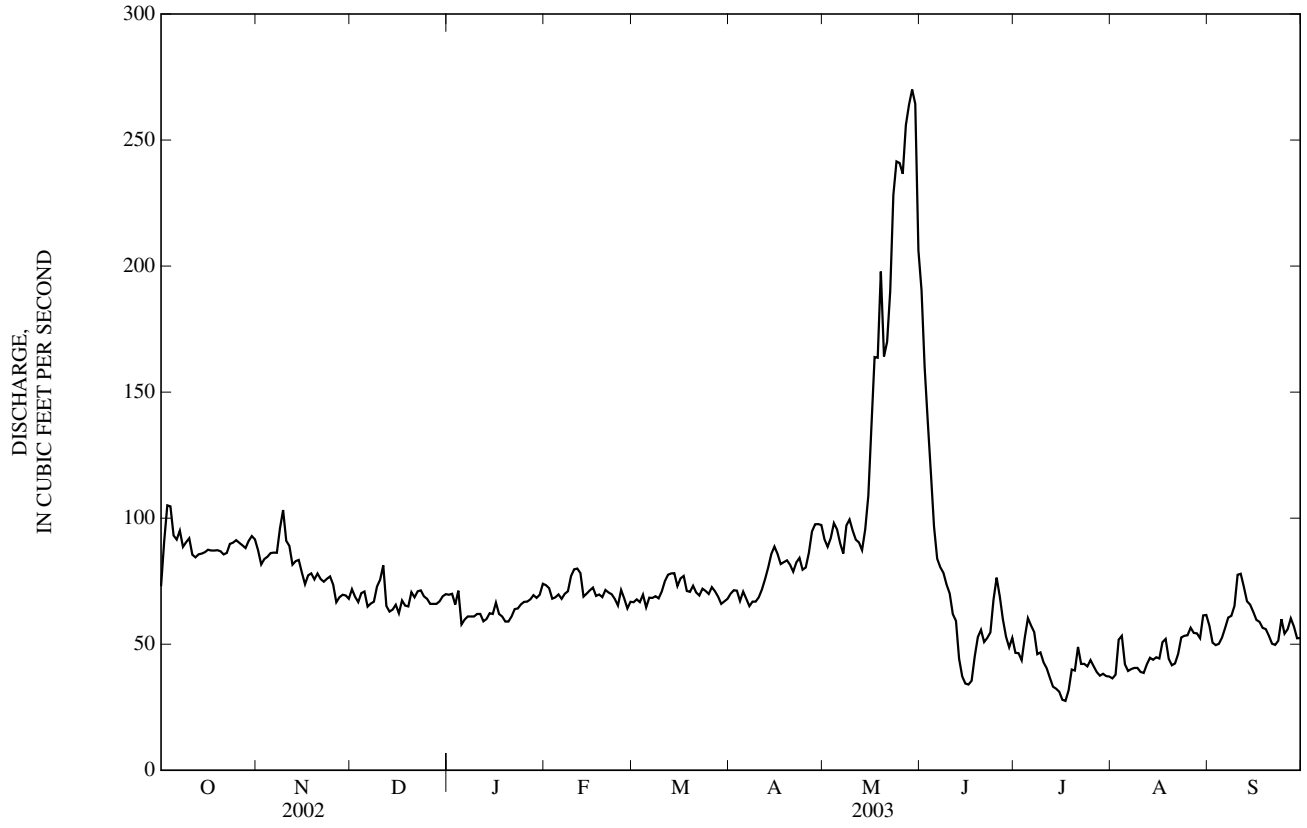
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1919 - 2003, BY WATER YEAR (WY)

MEAN	115	118	106	94.6	91.9	98.6	151	472	604	195	105	105
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	67.0	59.5	53.2	53.8	53.9	63.9	54.7	40.3	37.6	48.7
(WY)	(1935)	(1935)	(1993)	(1935)	(1935)	(1935)	(1977)	(1992)	(1992)	(1994)	(2002)	(1934)

09277500 DUCHESNE RIVER NEAR TABIONA, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1919 - 2003	
ANNUAL TOTAL	25,846		27,288			
ANNUAL MEAN	70.8		74.8		188	
HIGHEST ANNUAL MEAN					354	1922
LOWEST ANNUAL MEAN					68.9	1992
HIGHEST DAILY MEAN	138	May 21	270	May 29	2,490	Jun 13, 1921
LOWEST DAILY MEAN	31	Aug 15	28	Jul 16	21	Jun 5, 1992
ANNUAL SEVEN-DAY MINIMUM	32	Aug 13	32	Jul 12	30	May 31, 1992
ANNUAL RUNOFF (AC-FT)	51,270		54,130		136,300	
10 PERCENT EXCEEDS	93		95		378	
50 PERCENT EXCEEDS	73		69		108	
90 PERCENT EXCEEDS	41		44		72	

e Estimated



09277500 DUCHESNE RIVER NEAR TABIONA, UT—Continued

PRECIPITATION RECORDS

PERIOD OF RECORD.--October 2001 to current year.

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

REMARKS.--Records good except for estimated snowfall-affected days, which are fair. Snowfall-affected data can result during the winter months when snow fills the rain gage bucket and then melts as temperatures rise. Snowfall-affected data is subject to appreciable errors.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily precipitation, 0.71 in, Nov 8, 2002.

EXTREMES FOR CURRENT YEAR.--Maximum daily precipitation, 0.71 in, Nov 8.

PRECIPITATION, TOTAL, INCHES
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY SUM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.12	0.04	0.00	0.01	0.00	0.01	0.00	0.00	0.11	0.00	0.00	0.00
2	0.27	0.00	0.00	0.00	0.07	0.00	0.01	0.00	0.00	0.00	0.05	0.00
3	0.30	0.00	0.00	0.00	0.00	0.06	0.02	0.03	0.00	0.00	0.04	0.00
4	0.00	0.02	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.20	0.00
5	0.00	0.04	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.28	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.12
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00	0.00	0.01
8	0.00	0.71	0.00	0.00	0.00	0.00	0.00	0.59	0.00	0.00	0.03	0.00
9	0.00	0.42	0.00	0.00	0.00	0.00	0.00	0.06	0.14	0.00	0.06	0.01
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.01	0.00	0.00	0.07
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.05	0.01	0.00	0.00	0.00	0.00	0.04	0.00
15	0.00	0.00	0.00	0.00	0.00	0.01	0.04	0.10	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.01	0.25	0.00	0.00	0.00	0.00	0.02	0.00
17	0.00	0.00	0.01	0.00	0.05	0.05	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.53	0.07	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.01	0.00	0.00	0.03	0.12	0.00	0.02	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.02	0.00	0.00	0.00
21	0.00	0.00	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
22	0.10	0.00	0.00	0.00	0.00	0.00	0.25	0.00	0.02	0.00	0.07	0.00
23	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.00	0.02	0.00
24	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.01	0.00	0.00
25	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.01	0.20	0.00	0.00	0.00	0.02	0.00	0.00
27	0.00	0.00	0.00	0.00	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.07	0.00
30	0.00	0.00	0.00	0.02	---	0.00	0.11	0.10	0.00	0.00	0.11	0.00
31	0.00	---	0.00	0.01	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.88	1.23	0.02	0.08	0.33	1.16	0.72	1.40	0.84	0.03	1.01	0.21

WTR YR 2003 TOTAL 7.91

09279000 ROCK CREEK NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°29'36", long 110°34'39", in SE¼NW¼SW¼ sec. 9, T. 1 N., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, Uintah and Ouray 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^2.

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^3/s, Jun 18, 1971, gage height, 5.98 ft; maximum gage height, 6.26 ft, Jun 4, 1986, from floodmarks; minimum recorded, 7.0 ft^3/s, Mar 13, 1940, Mar 20, 1942 (probably caused by ice jams above station).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 86 ft^3/s, Jul 19, 20, gage height, 2.21 ft; minimum discharge, 20 ft^3/s, Feb 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	42	36	37	47	49	39	38	60	52	66	59
2	51	e43	36	37	39	45	39	42	60	51	66	49
3	49	38	36	38	36	41	39	43	59	52	66	47
4	45	38	37	38	35	40	41	43	59	51	64	46
5	44	38	37	38	40	e46	43	42	59	51	64	46
6	44	38	37	37	33	42	e47	42	60	50	65	47
7	44	38	35	36	35	42	43	46	61	50	66	48
8	43	40	33	35	37	41	42	49	61	52	65	47
9	43	41	34	35	39	41	41	50	61	63	65	48
10	43	39	35	36	37	42	41	48	62	70	65	50
11	43	38	36	35	36	44	42	47	61	70	68	47
12	43	e45	37	35	35	44	40	45	63	74	71	47
13	43	38	37	34	37	44	40	43	64	74	68	46
14	43	37	37	35	41	44	40	43	63	74	63	46
15	42	37	38	33	40	42	40	45	61	77	62	46
16	42	37	37	34	40	45	39	44	60	77	62	47
17	42	37	39	34	52	43	39	44	61	78	63	46
18	42	37	36	34	44	42	39	45	61	78	61	47
19	43	37	34	35	e47	43	39	45	60	80	61	47
20	43	38	37	35	43	45	39	45	60	80	60	47
21	43	38	38	35	43	42	39	46	59	79	61	47
22	e43	38	39	34	43	42	41	47	60	78	65	47
23	e45	38	36	35	45	42	40	49	62	79	64	46
24	e44	38	34	34	44	41	39	51	65	80	63	46
25	e44	37	34	35	42	40	39	51	60	79	64	46
26	44	35	34	35	44	41	38	53	58	78	62	46
27	43	36	38	37	46	40	38	56	56	77	63	47
28	42	37	39	37	e50	40	38	58	55	75	62	47
29	42	37	38	38	---	e41	38	59	54	72	63	47
30	44	36	37	39	---	39	38	61	53	71	65	47
31	42	---	38	44	---	39	---	61	---	70	63	---
TOTAL	1,354	1,146	1,129	1,114	1,150	1,312	1,200	1,481	1,798	2,142	1,986	1,419
MEAN	43.7	38.2	36.4	35.9	41.1	42.3	40.0	47.8	59.9	69.1	64.1	47.3
MAX	51	45	39	44	52	49	47	61	65	80	71	59
MIN	42	35	33	33	33	39	38	38	53	50	60	46
AC-FT	2,690	2,270	2,240	2,210	2,280	2,600	2,380	2,940	3,570	4,250	3,940	2,810

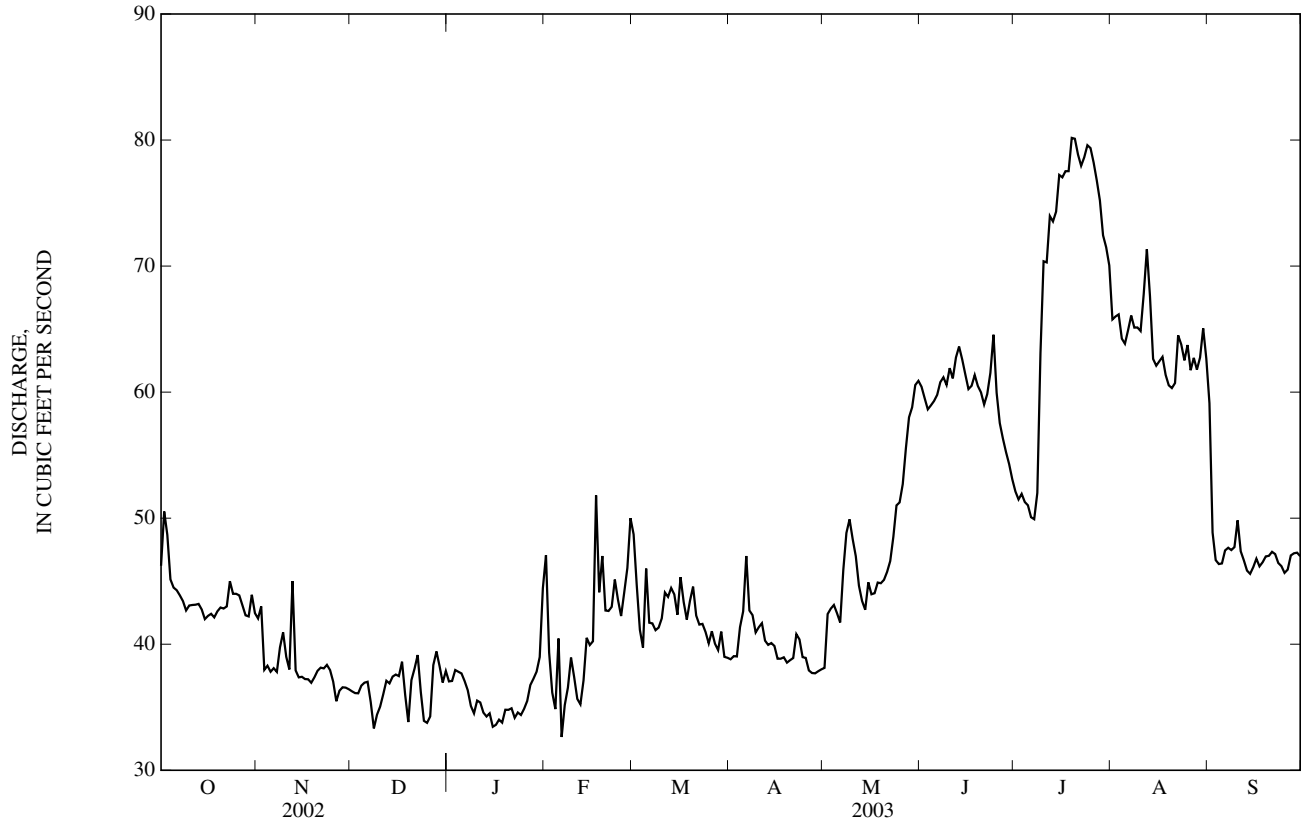
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	56.2	52.9	50.0	47.2	47.0	49.7	49.4	113	224	178	88.8	74.2
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	16,450		17,231			
ANNUAL MEAN	45.1		47.2		85.9	
HIGHEST ANNUAL MEAN					212	1999
LOWEST ANNUAL MEAN					40.1	1992
HIGHEST DAILY MEAN	74	Jul 3	80	Jul 19	1,310	Jul 1, 1998
LOWEST DAILY MEAN	32	Jan 17	33	Dec 8	22	Dec 1, 1991
ANNUAL SEVEN-DAY MINIMUM	33	Jan 15	34	Jan 12	26	Dec 30, 1987
ANNUAL RUNOFF (AC-FT)	32,630		34,180		62,260	
10 PERCENT EXCEEDS	59		64		150	
50 PERCENT EXCEEDS	42		43		46	
90 PERCENT EXCEEDS	36		36		33	

e Estimated



09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UT

LOCATION.--Lat 40°16'14", long 110°26'31", in NE¼NW¼NW¼ sec. 34, T. 2 S., R. 5 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank at downstream edge of bridge on State Highway 35, 1.7 mi upstream from Knight diversion dam, 3.9 mi downstream from Rock Creek, and 7.7 mi north-northwest of Duchesne.

DRAINAGE AREA.--623 mi^2.

PERIOD OF RECORD.--April 1970 to September 2003 (discontinued).

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

GAGE.--Water-stage recorder. Elevation of gage is 5,840 ft above NGVD of 1929, from topographic map. Prior to April 25, 1973, at site 150 ft upstream at different gage datum.

REMARKS.--Records good. Several diversions above station for irrigation, including a transbasin diversion to the Great Basin through Duchesne Tunnel.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,970 ft^3/s, Jun 6, 1986, gage height, 7.52 ft, from flood-marks; minimum, 37 ft^3/s, Jan 31, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 6	1645	*1,230	*6.04				

Minimum discharge, 70 ft^3/s, Jun 16, Aug 6, 7.

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

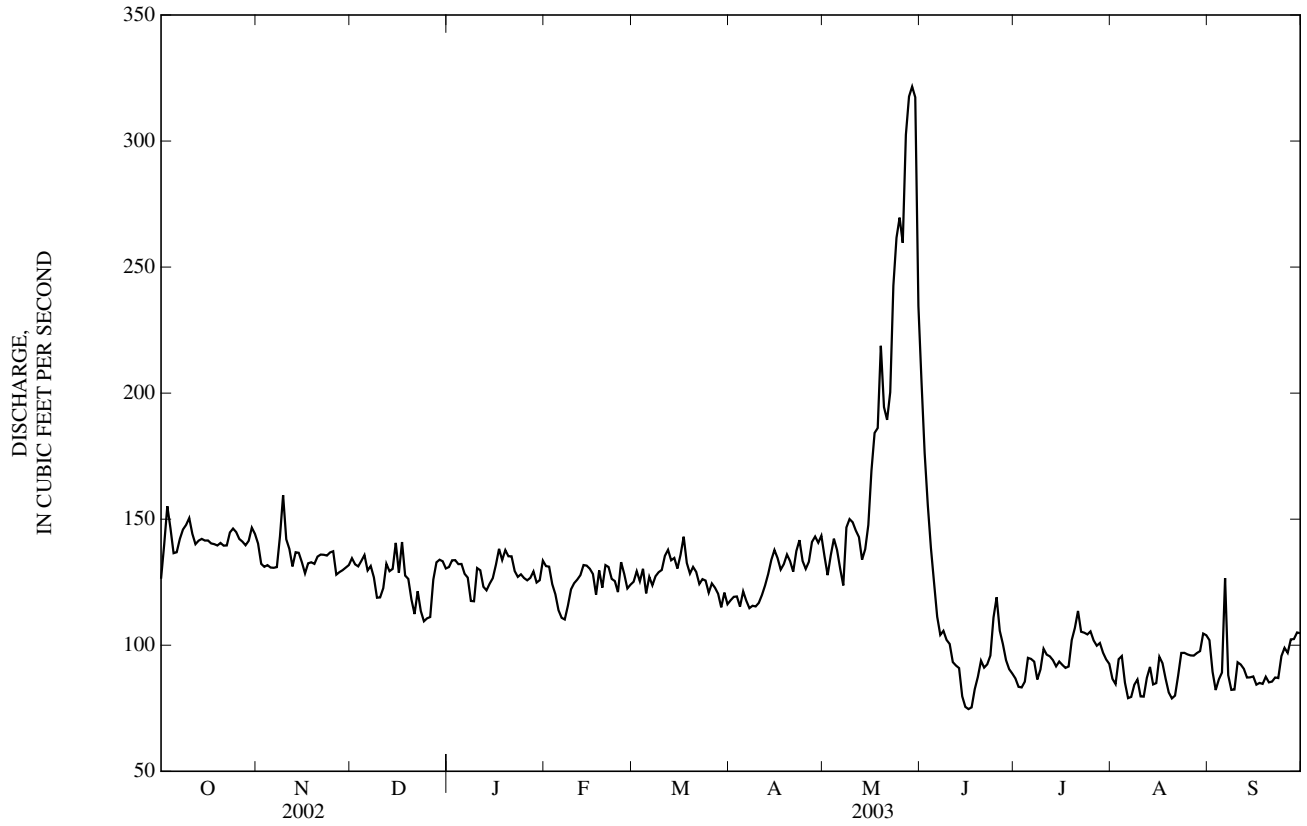
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	140	135	131	131	125	118	135	204	87	87	102
2	140	132	132	134	131	129	119	128	176	83	85	89
3	155	131	131	134	124	125	119	136	156	83	94	82
4	146	132	133	132	120	130	115	142	139	86	96	86
5	137	131	136	132	114	121	121	138	125	95	85	89
6	137	131	130	128	111	127	118	130	111	95	79	127
7	142	131	131	127	110	124	115	124	104	93	80	88
8	146	143	127	118	116	127	116	147	106	86	84	82
9	148	160	119	117	122	129	115	150	102	90	86	82
10	150	142	119	131	125	130	117	149	100	99	80	93
11	144	138	123	130	126	135	120	146	93	96	80	92
12	140	131	132	123	128	138	124	143	92	96	87	91
13	141	137	129	122	132	134	128	134	91	94	91	87
14	142	137	130	124	132	135	134	138	80	92	84	87
15	142	133	141	127	130	130	138	148	76	94	85	88
16	142	129	129	132	128	136	135	169	75	92	95	84
17	140	132	141	138	120	143	130	184	75	91	93	85
18	140	133	128	134	130	133	132	186	83	92	87	85
19	140	132	126	138	123	128	136	219	87	102	81	87
20	141	135	118	135	132	131	133	194	94	107	79	85
21	140	136	112	135	131	129	129	189	91	114	80	86
22	140	136	121	129	126	124	137	200	92	105	88	87
23	145	136	114	127	125	126	142	243	96	105	97	87
24	146	137	109	128	121	126	133	262	111	104	97	96
25	145	137	111	127	133	121	130	270	119	105	96	99
26	142	128	111	126	128	125	133	260	106	102	96	97
27	141	129	126	127	123	123	141	302	100	100	96	102
28	140	130	133	129	124	120	143	318	94	101	97	102
29	141	131	134	125	---	115	141	322	91	97	98	105
30	147	132	133	126	---	121	143	317	89	94	105	105
31	144	---	130	134	---	116	---	235	---	93	104	---
TOTAL	4,410	4,042	3,924	4,000	3,496	3,956	3,855	5,958	3,158	2,973	2,772	2,757
MEAN	142	135	127	129	125	128	128	192	105	95.9	89.4	91.9
MAX	155	160	141	138	133	143	143	322	204	114	105	127
MIN	126	128	109	117	110	115	115	124	75	83	79	82
AC-FT	8,750	8,020	7,780	7,930	6,930	7,850	7,650	11,820	6,260	5,900	5,500	5,470

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2003, BY WATER YEAR (WY)

MEAN	192	191	167	157	151	162	205	591	1,033	403	184	170
MAX	430	308	266	242	222	242	464	1,525	2,929	1,447	443	381
(WY)	(1983)	(1983)	(1998)	(1998)	(1998)	(1998)	(1985)	(1984)	(1986)	(1975)	(1983)	(1999)
MIN	100	124	107	117	116	103	86.3	106	85.6	87.1	74.5	77.6
(WY)	(1978)	(1978)	(1991)	(1978)	(1977)	(1977)	(1977)	(1990)	(2002)	(2002)	(2002)	(1992)

09279150 DUCHESNE RIVER ABOVE KNIGHT DIVERSION, NEAR DUCHESNE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1971 - 2003	
ANNUAL TOTAL	42,399		45,301			
ANNUAL MEAN	116		124		301	
HIGHEST ANNUAL MEAN					580	1986
LOWEST ANNUAL MEAN					115	2002
HIGHEST DAILY MEAN	160	Nov 9	322	May 29	4,700	Jun 6, 1986
LOWEST DAILY MEAN	66	Aug 1	75	Jun 16	54	Sep 28, 1994
ANNUAL SEVEN-DAY MINIMUM	70	Aug 13	81	Jun 13	60	Sep 23, 1994
ANNUAL RUNOFF (AC-FT)	84,100		89,850		217,800	
10 PERCENT EXCEEDS	144		143		556	
50 PERCENT EXCEEDS	125		127		167	
90 PERCENT EXCEEDS	78		87		106	



09288000 CURRANT CREEK NEAR FRUITLAND, UT

LOCATION.--Lat 40°12'01", long 110°54'25", in NE¼SE¼SW¼ sec. 21, T. 3 S., R. 9 W., Uintah Meridian, Wasatch County, Hydrologic Unit 14060004, on left bank 30 ft downstream from Deep Creek, 150 ft upstream from bridge on U.S. Highway 40 and 3.5 mi southwest of Fruitland.

DRAINAGE AREA.--140 mi^2.

PERIOD OF RECORD.--October 1934 to September 2003 (discontinued). Monthly discharge only for some periods, published in WSP 1313.

GAGE.--Water-stage recorder. Elevation of gage is 6,670 ft above NGVD of 1929, from topographic map. August 6, 1952 to November 8, 1966, water-stage recorder at site 150 ft downstream at datum 1.30 ft lower. See WSP 1733 for history of changes prior to August 6, 1952.

REMARKS.--Records good. Currant Creek feeder canal, constructed by the Bureau of Reclamation in 1936, diverts water from headwaters of Currant Creek to Strawberry Reservoir, from which it is diverted through Strawberry Tunnel to the Great Basin for irrigation in Strawberry Valley project. Beginning in 1962, Deep Creek was diverted intermittently into private fish ponds and entered Currant Creek 400 ft below gage. However, since approximately 1976 when the upstream pond washed out, Deep Creek has been entering Currant Creek 30 ft above gage. Flow partially regulated by Currant Creek Reservoir 15 miles upstream, beginning October 4, 1982. Total capacity, 15,670 acre-ft.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,260 ft^3/s, May 4, 1952, gage height, 2.72 ft, site and datum then in use; maximum gage height, 5.92 ft, Jan 27, 1974, backwater from ice; minimum recorded, 3.6 ft^3/s, Aug 9, 10, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 58 ft^3/s, Aug 16, gage height, 1.70 ft; minimum daily discharge, 17 ft^3/s, Dec 8, 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	33	42	27	30	26	30	39	38	33	31	31
2	e36	25	44	24	30	26	38	38	38	32	32	31
3	e33	23	26	28	29	27	41	38	37	32	38	31
4	e31	26	25	27	27	28	41	40	36	32	34	31
5	e27	29	25	27	23	27	42	40	38	32	33	31
6	26	32	25	24	24	28	41	39	37	32	32	33
7	26	30	26	24	26	28	39	41	36	32	32	34
8	26	37	17	24	25	31	39	44	36	31	e33	33
9	26	35	17	25	28	33	40	43	36	31	e33	33
10	26	28	19	28	28	32	40	41	38	31	e32	37
11	26	30	22	27	27	36	40	41	36	30	e32	34
12	25	29	25	26	27	34	40	41	36	30	34	33
13	26	33	24	26	29	33	40	40	e37	30	33	33
14	27	34	25	27	29	33	39	40	e38	30	32	33
15	28	e25	25	27	29	31	39	42	e38	30	32	33
16	27	e27	23	25	29	32	39	42	e36	30	34	33
17	25	e30	26	27	27	32	39	42	e37	31	35	33
18	26	e32	23	26	27	30	39	43	e38	32	33	33
19	28	35	22	26	26	29	39	42	e37	31	32	33
20	28	44	24	27	27	30	39	42	35	31	32	33
21	27	48	24	27	28	30	39	41	34	32	32	33
22	29	35	26	28	28	30	40	41	35	32	35	33
23	30	25	24	29	28	31	40	40	34	33	35	32
24	26	26	22	29	27	31	39	40	38	32	32	32
25	27	31	24	28	29	30	39	40	36	32	32	32
26	30	30	24	28	28	31	38	39	34	32	31	34
27	25	34	26	29	27	30	38	38	34	32	31	33
28	29	36	27	29	26	28	39	38	34	32	31	33
29	26	31	27	28	---	27	39	37	33	32	31	33
30	31	35	27	29	---	28	39	38	33	32	33	33
31	32	---	28	31	---	29	---	38	---	31	31	---
TOTAL	871	948	784	837	768	931	1,174	1,248	1,083	975	1,013	984
MEAN	28.1	31.6	25.3	27.0	27.4	30.0	39.1	40.3	36.1	31.5	32.7	32.8
MAX	36	48	44	31	30	36	42	44	38	33	38	37
MIN	25	23	17	24	23	26	30	37	33	30	31	31
AC-FT	1,730	1,880	1,560	1,660	1,520	1,850	2,330	2,480	2,150	1,930	2,010	1,950

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	33.9	33.7	31.6	31.9	32.8	36.8	49.5	60.5	60.6	41.2	38.1	38.0
MAX	53.3	52.3	53.1	49.9	48.1	60.7	84.3	117	216	84.9	69.5	64.0
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1986)	(1986)	(1986)	(1998)	(1998)	(1998)	(1998)
MIN	25.7	24.9	22.7	23.2	24.3	26.9	31.6	27.5	25.4	25.8	24.6	24.6
(WY)	(1989)	(1991)	(1992)	(1992)	(1989)	(1992)	(1992)	(1992)	(1992)	(1992)	(1988)	(1988)

09288000 CURRANT CREEK NEAR FRUITLAND, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1986 - 2003	
ANNUAL TOTAL	12,249		11,616			
ANNUAL MEAN	33.6		31.8		40.7	
HIGHEST ANNUAL MEAN					74.6	1998
LOWEST ANNUAL MEAN					26.1	1992
HIGHEST DAILY MEAN	62	May 20	48	Nov 21	242	Jun 21, 1998
LOWEST DAILY MEAN	17	Dec 8	17	Dec 8	12	Dec 22, 1990
ANNUAL SEVEN-DAY MINIMUM	21	Dec 8	21	Dec 8	19	Dec 20, 1990
ANNUAL RUNOFF (AC-FT)	24,300		23,040		29,510	
10 PERCENT EXCEEDS	44		39		58	
50 PERCENT EXCEEDS	32		32		35	
90 PERCENT EXCEEDS	26		26		26	

e Estimated

09288180 STRAWBERRY RIVER NEAR DUCHESNE, UT

LOCATION.--Lat 40°09'17", long 110°33'15", in SE¼SW¼SW¼ sec. 3, T. 4 S., R. 6 W., Uintah Meridian, Duchesne County, Hydrologic Unit 14060003, on left bank 50 ft downstream from County Road bridge, 2,000 ft upstream from maximum high-water line of Starvation Reservoir, and 7.9 mi west of Duchesne.

DRAINAGE AREA.--917 mi^2 (includes approximately 170 mi^2 tributary to Strawberry Reservoir).

PERIOD OF RECORD.--May 1968 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 5,722 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor. Flow regulated by Strawberry Reservoir since July 14, 1912. Capacity, 1,106,500 acre-ft since June 30, 1973; 283,000 acre-ft prior to June 30, 1973. New earthfilled dam located 7 mi below old dam was completed in September 1972, and storage began June 30, 1973. The elevation of the new reservoir reached the elevation of the old reservoir on March 15, 1985, and the old dam was breached on June 6, 1985.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,870 ft^3/s, Aug 15, 2003, gage height, 8.81 ft; minimum recorded, 17 ft^3/s, Jun 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,870 ft^3/s, Aug 15, gage height, 8.81 ft; minimum daily discharge, 51 ft^3/s, Jan 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	85	101	e66	e68	e78	83	118	122	e133	149	74
2	104	76	97	e62	e63	e78	89	117	115	e127	153	74
3	116	80	89	e62	e60	e77	96	113	109	e125	161	73
4	105	87	85	e64	e60	e80	97	115	108	e126	158	73
5	96	92	90	e63	e63	e67	99	115	106	e128	146	73
6	86	77	84	e68	e60	73	99	114	106	e122	147	74
7	86	75	82	e70	e59	75	99	117	104	122	149	88
8	88	79	77	e69	e58	77	99	126	103	e118	153	83
9	84	111	64	e67	e67	82	99	131	103	119	161	84
10	75	97	63	e63	e67	87	99	126	106	e120	157	91
11	73	87	e72	e65	e70	87	99	119	103	e120	158	94
12	71	83	e79	e67	e70	95	99	115	104	e118	166	87
13	73	80	e74	e70	e75	87	99	113	103	e117	167	82
14	79	80	e77	e69	e79	88	99	113	103	e115	165	86
15	80	78	e78	e68	e82	83	100	115	103	111	326	89
16	78	75	e73	e62	e79	83	100	118	105	112	104	89
17	77	77	e75	e56	e73	94	100	128	108	112	104	90
18	77	75	e68	e52	e77	85	104	150	110	119	78	91
19	79	75	e67	e51	e74	82	103	165	113	125	73	92
20	80	75	e66	e55	e78	86	103	179	119	129	69	88
21	83	e75	e68	e53	e77	89	103	179	119	136	70	86
22	87	e75	e67	e57	e75	87	105	170	121	126	71	85
23	86	e80	e66	e62	e79	88	107	161	134	132	79	e84
24	87	e82	e69	e60	e77	88	105	165	154	137	72	e85
25	90	e75	e64	e59	e77	84	105	164	156	143	70	e86
26	91	74	e58	e58	e76	84	105	155	141	136	69	87
27	82	77	e59	e61	e74	90	106	144	135	137	70	87
28	84	84	e61	e64	e67	83	110	137	134	135	69	86
29	90	82	e63	e62	---	81	114	136	134	135	68	84
30	91	86	e68	e65	---	81	116	131	134	140	78	86
31	92	---	e72	e70	---	81	---	124	---	143	74	---
TOTAL	2,682	2,434	2,276	1,940	1,984	2,580	3,041	4,173	3,515	3,918	3,734	2,531
MEAN	86.5	81.1	73.4	62.6	70.9	83.2	101	135	117	126	120	84.4
MAX	116	111	101	70	82	95	116	179	156	143	326	94
MIN	71	74	58	51	58	67	83	113	103	111	68	73
AC-FT	5,320	4,830	4,510	3,850	3,940	5,120	6,030	8,280	6,970	7,770	7,410	5,020

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2003, BY WATER YEAR (WY)

MEAN	108	97.1	95.2	89.9	96.2	114	169	385	270	137	116	113
MAX	378	258	372	362	336	293	387	1,031	1,181	518	403	371
(WY)	(1984)	(1999)	(1984)	(1984)	(1984)	(1983)	(1983)	(1984)	(1983)	(1983)	(1983)	(1984)
MIN	37.1	57.0	47.9	40.8	48.5	59.6	57.5	44.2	32.9	36.9	29.9	33.8
(WY)	(1978)	(1978)	(1978)	(1977)	(1971)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)

09288180 STRAWBERRY RIVER NEAR DUCHESNE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1968 - 2003	
ANNUAL TOTAL	27,818		34,808			
ANNUAL MEAN	76.2		95.4		149	
HIGHEST ANNUAL MEAN					443	1984
LOWEST ANNUAL MEAN					47.5	1977
HIGHEST DAILY MEAN	139	Sep 17	326	Aug 15	2,010	May 31, 1983
LOWEST DAILY MEAN	49	Jan 8	51	Jan 19	18	Jun 20, 1977
ANNUAL SEVEN-DAY MINIMUM	49	Jan 8	55	Jan 16	20	Jun 19, 1977
ANNUAL RUNOFF (AC-FT)	55,180		69,040		107,700	
10 PERCENT EXCEEDS	90		136		309	
50 PERCENT EXCEEDS	76		87		94	
90 PERCENT EXCEEDS	54		66		61	

e Estimated

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

LOCATION.--Lat 40°36'24", long 110°31'35", in SW¼SE¼SE¼ 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^2.

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^3/s, Jun 27, 1995, gage height, 6.44 ft; minimum daily discharge, 12 ft^3/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^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	----	*1,720	*6.26			.	

Minimum daily discharge, 24 ft^3/s, Feb 7, 8.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	78	38	e35	e28	e26	e25	e29	49	943	152	55	62
2	79	36	e35	e27	e26	e25	e28	48	692	146	55	59
3	78	39	e35	e27	e25	e25	e27	47	538	137	57	57
4	73	38	e35	e27	e25	e25	e27	45	456	130	54	55
5	72	38	e34	e27	e25	e25	e28	45	405	128	51	56
6	73	34	e34	e27	e25	e26	e28	43	382	139	49	61
7	81	27	e33	e27	e24	e26	e28	44	352	133	48	60
8	82	e27	e33	e27	e24	e26	e28	44	334	126	49	55
9	77	e29	e32	e27	e25	e26	e28	44	331	119	48	58
10	74	e32	e32	e27	e25	e26	e29	43	324	113	46	62
11	70	e35	e31	e27	e25	e26	33	42	304	107	46	59
12	62	e42	e30	e27	e25	e27	39	45	278	103	46	54
13	62	e42	e31	e27	e25	e27	45	57	264	96	45	51
14	60	e42	e30	e27	e25	e28	51	73	239	90	55	50
15	58	e42	e31	e27	e26	e27	49	102	230	85	59	49
16	57	e42	e31	e27	e25	e28	44	133	215	79	52	50
17	55	e42	e32	e26	e25	e27	44	162	207	80	69	48
18	53	e42	e31	e26	e25	e27	40	185	196	86	51	48
19	51	e42	e30	e26	e25	e27	37	201	187	89	48	47
20	50	e42	e30	e26	e25	e27	36	205	185	85	47	45
21	49	e41	e30	e25	e25	e27	37	242	184	81	47	44
22	48	e41	e30	e25	e25	e27	40	351	204	74	62	43
23	51	e41	e30	e26	e25	e28	37	496	189	71	72	42
24	48	e41	e29	e26	e25	e28	37	592	196	70	59	40
25	47	e38	e28	e25	e25	e28	45	611	198	78	57	40
26	47	e37	e28	e25	e25	e28	55	780	198	68	53	39
27	46	e36	e28	e26	e25	e27	58	1,020	181	63	53	38
28	42	e38	e28	e26	e25	e27	56	1,160	170	61	50	38
29	38	e38	e29	e26	---	e27	55	1,210	164	59	51	37
30	39	e37	e29	e26	---	e28	53	1,100	157	56	110	37
31	40	---	e29	e26	---	e29	---	985	---	55	70	---
TOTAL	1,840	1,139	963	819	701	830	1,171	10,204	8,903	2,959	1,714	1,484
MEAN	59.4	38.0	31.1	26.4	25.0	26.8	39.0	329	297	95.5	55.3	49.5
MAX	82	42	35	28	26	29	58	1,210	943	152	110	62
MIN	38	27	28	25	24	25	27	42	157	55	45	37
AC-FT	3,650	2,260	1,910	1,620	1,390	1,650	2,320	20,240	17,660	5,870	3,400	2,940

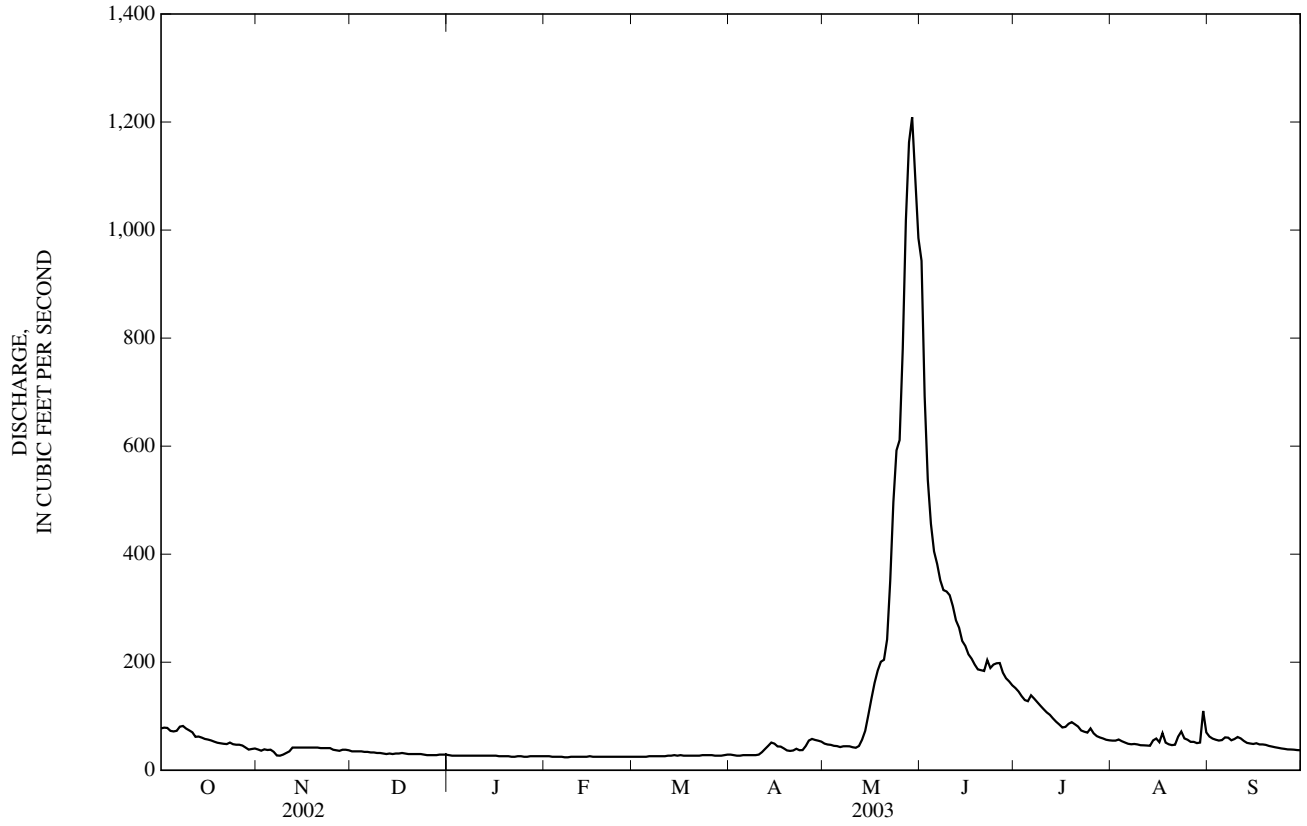
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1964 - 2003, BY WATER YEAR (WY)

MEAN	52.5	38.9	30.3	26.1	24.0	24.9	40.2	258	519	213	92.5	69.7
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1964 - 2003	
ANNUAL TOTAL	20,376		32,727			
ANNUAL MEAN	55.8		89.7		116	
HIGHEST ANNUAL MEAN					195	1995
LOWEST ANNUAL MEAN					50.8	2002
HIGHEST DAILY MEAN	447	May 31	1,210	May 29	2,120	Jun 27, 1995
LOWEST DAILY MEAN	18	Jan 18	24	Feb 7	12	Feb 6, 1989
ANNUAL SEVEN-DAY MINIMUM	18	Jan 18	25	Feb 3	13	Apr 10, 1993
ANNUAL RUNOFF (AC-FT)	40,420		64,910		83,920	
10 PERCENT EXCEEDS	115		188		287	
50 PERCENT EXCEEDS	35		42		42	
90 PERCENT EXCEEDS	19		26		22	

e Estimated



09290500 MOON LAKE RESERVOIR NEAR MOUNTAIN HOME, UT

LOCATION.--Lat 40°33'43", long 110°29'21", in NW¼NE¼NE¼ 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^2.

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, 35,760 acre-ft Jun 2, elevation, 8,137.0 ft; minimum contents observed, 8,542 acre-ft, Sep 1, elevation 8,091.8 ft.

MONTHEND ELEVATION, IN FEET, AND INSTANTANEOUS CONTENTS, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Oct 31.....	--	12,750	+4,170
Nov 30.....	--	15,200	+2,450
Dec 31.....	--	17,190	+1,990
CAL YR 2002	--	--	+5,350
Jan 31.....	--	18,800	+1,610
Feb 28.....	--	20,170	+1,370
Mar 31.....	--	21,710	+1,540
Apr 30.....	--	23,940	+2,230
May 31.....	--	34,860	+10,920
Jun 30.....	--	34,150	-710
Jul 31.....	--	18,720	-15,430
Aug 31.....	--	8,854	-9,866
Sep 30.....	--	7,371	-1,483
WTR YR 2003	--	--	-1,209

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 SW¼SW¼NW¼ 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^2.

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^3/s, Jun 19, 1949, gage height, 4.83 ft, from rating curve extended above 860 ft^3/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, 841 ft^3/s, Jun 2, gage height, 3.37 ft; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	23	231	256	434	135
2	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	23	602	294	430	135
3	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	23	572	346	425	135
4	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	23	457	359	422	134
5	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	29	463	385	415	106
6	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	33	367	388	411	101
7	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	33	337	385	407	101
8	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	33	315	383	351	101
9	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	33	302	381	267	84
10	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	33	298	379	266	73
11	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	93	286	376	157	72
12	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	130	263	373	147	72
13	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	130	218	372	147	72
14	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	130	201	368	146	72
15	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	192	201	347	146	71
16	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	345	199	366	146	48
17	0.00	0.00	0.00	e0.00	0.00	0.00	0.00	388	228	365	146	42
18	0.00	0.00	e0.00	e0.00	0.00	0.00	0.00	438	227	351	145	41
19	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	522	213	305	144	41
20	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	523	209	279	143	40
21	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	516	209	248	143	40
22	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	413	212	246	142	5.5
23	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	255	218	245	142	0.00
24	0.00	0.00	e0.00	0.00	0.00	0.00	0.00	238	217	272	141	0.00
25	0.00	0.00	e0.00	0.00	0.00	0.00	3.9	239	216	256	140	0.00
26	0.00	0.00	e0.00	0.00	0.00	0.00	17	242	216	248	139	0.00
27	0.00	0.00	e0.00	0.00	0.00	0.00	18	245	216	248	138	0.00
28	0.00	0.00	e0.00	0.00	0.00	0.00	18	233	216	305	138	0.00
29	0.00	0.00	e0.00	0.00	---	0.00	18	225	214	340	137	0.00
30	0.00	0.00	e0.00	0.00	---	0.00	18	231	253	437	136	0.00
31	0.00	---	e0.00	0.00	---	0.00	---	232	---	440	136	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	92.90	6,246	8,376	10,343	6,827	1,721.50
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	3.10	201	279	334	220	57.4
MAX	0.00	0.00	0.00	0.00	0.00	0.00	18	523	602	440	434	135
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23	199	245	136	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	184	12,390	16,610	20,520	13,540	3,410

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2003, BY WATER YEAR (WY)

MEAN	48.3	7.22	0.95	1.46	2.27	3.41	46.5	299	370	352	245	136
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	0.000	0.000	0.000	0.000	0.000	0.000	0.000	130	144	127	35.6	0.000
(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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1943 - 2003	
ANNUAL TOTAL	20,563.50		33,606.40			
ANNUAL MEAN	56.3		92.1		127	
HIGHEST ANNUAL MEAN					211	1983
LOWEST ANNUAL MEAN					56.4	2002
HIGHEST DAILY MEAN	402	Jun 6	602	Jun 2	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)	40,790		66,660		91,800	
10 PERCENT EXCEEDS	249		346		363	
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 SW¼NW¼NW¼ 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^2.

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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,280 ft^3/s, May 27, 2003, gage height, 6.34 ft; minimum daily discharge, 14 ft^3/s, Apr 4, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,280 ft^3/s, May 27, gage height, 6.34 ft; minimum daily discharge, 14 ft^3/s, Apr 4.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	50	e33	e24	e21	e16	20	30	929	112	53	43
2	87	48	e31	e23	e21	e16	19	29	720	106	51	40
3	88	66	e33	e22	e20	e16	15	28	583	96	53	38
4	83	59	e32	e21	e19	16	14	26	512	88	49	37
5	80	51	e31	e20	e19	22	15	49	446	80	41	39
6	79	48	e30	e20	e18	23	18	48	401	86	36	49
7	84	45	e29	e20	e18	15	17	45	363	96	33	51
8	86	47	e29	e21	e17	15	15	48	311	120	27	46
9	83	48	e28	e21	e17	15	16	48	297	97	23	46
10	81	46	e28	e21	e17	15	20	36	266	78	29	50
11	78	46	e28	e21	e17	17	24	35	246	71	27	47
12	71	57	e27	e21	e17	18	27	36	202	67	16	42
13	70	45	e27	e21	e17	19	30	47	187	64	19	37
14	70	42	e33	e21	e17	18	34	77	163	61	26	35
15	68	40	e28	e21	e17	17	33	99	156	57	42	34
16	67	44	e42	e19	e17	18	26	118	159	54	36	34
17	65	44	e29	e18	e17	17	27	160	145	52	46	31
18	63	48	e27	e17	e17	16	25	192	152	65	37	31
19	61	47	e24	e18	e16	16	22	237	156	93	33	30
20	60	37	e23	e18	e16	16	21	230	159	132	31	28
21	56	37	e22	e19	e16	16	21	273	135	134	39	25
22	55	37	e21	e21	e16	17	26	388	132	121	46	24
23	58	36	e20	e22	e16	18	23	431	134	91	52	22
24	54	36	e19	e23	e16	18	23	538	158	83	45	21
25	54	33	e18	e22	e17	17	27	591	145	124	50	20
26	54	e32	e17	e22	e17	19	34	699	150	83	45	19
27	55	e31	e18	e22	e17	17	39	811	153	75	42	18
28	62	e32	e20	e21	e17	15	39	980	140	77	39	17
29	60	e33	e21	e21	---	17	38	961	129	75	33	17
30	57	e34	e23	e22	---	17	35	957	120	61	61	17
31	50	---	e25	e21	---	18	---	908	---	72	50	---
TOTAL	2,123	1,299	816	644	487	530	743	9,155	7,949	2,671	1,210	988
MEAN	68.5	43.3	26.3	20.8	17.4	17.1	24.8	295	265	86.2	39.0	32.9
MAX	88	66	42	24	21	23	39	980	929	134	61	51
MIN	50	31	17	17	16	15	14	26	120	52	16	17
AC-FT	4,210	2,580	1,620	1,280	966	1,050	1,470	18,160	15,770	5,300	2,400	1,960

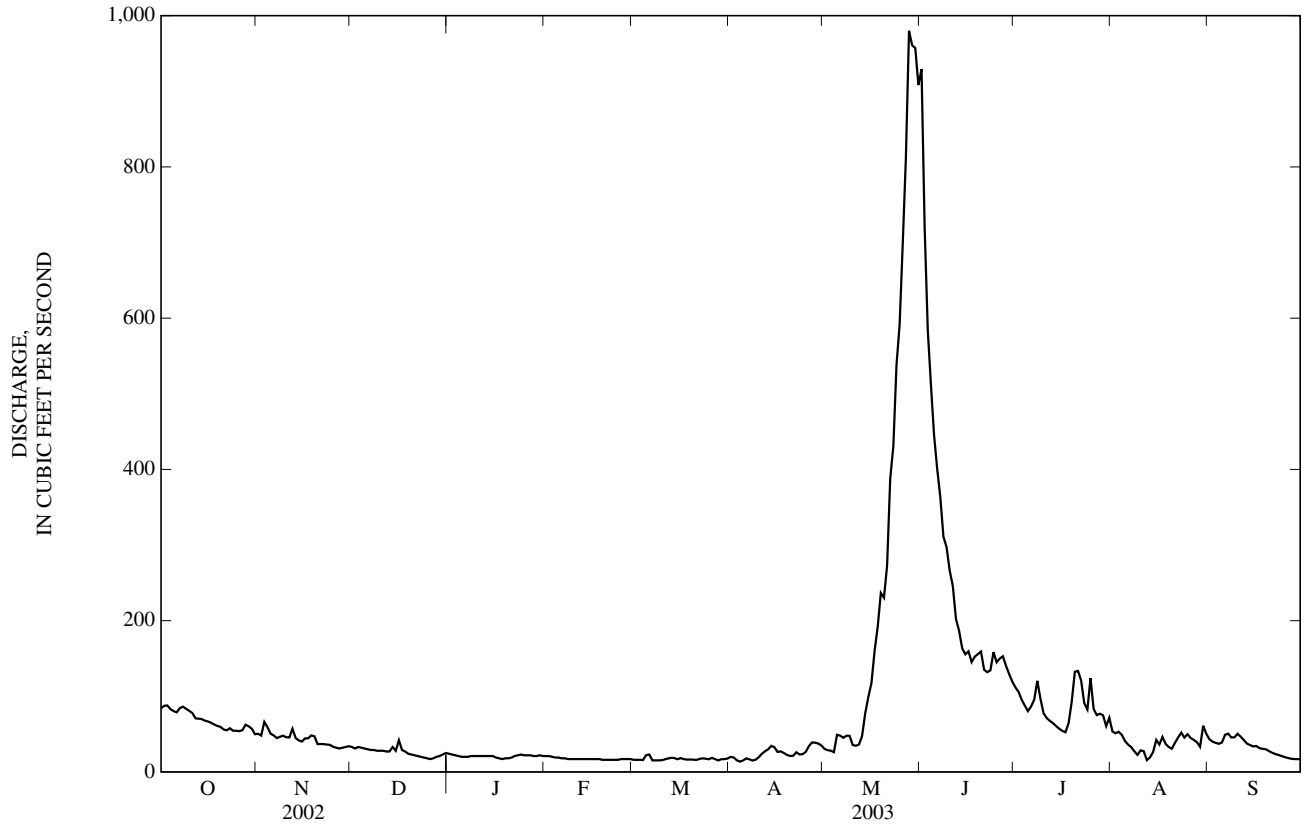
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2003, BY WATER YEAR (WY)

MEAN	61.4	39.9	36.3	33.2	28.0	27.8	39.5	230	346	145	85.7	99.1
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	38.3	20.6	21.7	20.8	17.4	17.1	24.8	76.3	66.2	26.7	24.3	32.9
(WY)	(2002)	(2002)	(1999)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1996 - 2003	
ANNUAL TOTAL	15,491		28,615			
ANNUAL MEAN	42.4		78.4		98.1	
HIGHEST ANNUAL MEAN					141	1998
LOWEST ANNUAL MEAN					38.5	2002
HIGHEST DAILY MEAN	173	Sep 8	980	May 28	1,200	Jun 20, 1999
LOWEST DAILY MEAN	15	Aug 10	14	Apr 4	14	Apr 4, 2003
ANNUAL SEVEN-DAY MINIMUM	18	Mar 13	16	Apr 3	16	Apr 3, 2003
ANNUAL RUNOFF (AC-FT)	30,730		56,760		71,080	
10 PERCENT EXCEEDS	85		151		213	
50 PERCENT EXCEEDS	29		34		44	
90 PERCENT EXCEEDS	21		17		23	

e Estimated



09292500 YELLOWSTONE RIVER NEAR ALTONAH, UT

LOCATION.--Lat 40°30'43", long 110°20'27", in SW¼SW¼NE¼ 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^2.

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^3/s, Jun 20, 1999, gage height, 4.50 ft; maximum gage height, 4.93 ft, Jun 11, 1990; minimum daily, 25 ft^3/s, Nov 28, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 27	2330	*1,430	*3.46				

Minimum daily discharge, 35 ft^3/s, Mar 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	63	e52	e43	e40	40	42	57	860	175	107	83
2	112	56	e51	e42	e40	40	42	55	683	170	108	80
3	113	62	e51	e41	e39	43	40	57	552	162	108	79
4	105	67	e51	e40	e39	38	40	55	464	156	103	78
5	101	64	e51	e40	e39	42	41	62	394	151	98	79
6	101	59	e51	e41	e38	40	42	55	355	142	95	88
7	104	57	e51	e41	e38	38	42	54	330	150	93	89
8	103	58	e50	e42	e37	39	41	56	297	171	89	85
9	99	56	e50	e42	e37	39	42	65	294	154	85	87
10	94	57	e50	e43	e37	40	44	64	275	142	85	89
11	91	57	e50	e43	e37	42	48	62	272	138	80	85
12	85	57	e49	e43	e38	43	51	61	257	134	81	81
13	84	55	e49	e44	e38	43	52	65	244	130	80	79
14	81	55	e49	e44	e38	43	55	73	229	128	79	77
15	79	54	e49	e44	38	41	53	91	223	125	81	76
16	77	55	e53	e44	38	44	49	112	221	120	78	77
17	77	56	e51	e43	43	42	49	135	212	120	86	75
18	74	55	e50	e43	44	41	47	155	218	124	79	74
19	73	56	e49	e42	48	41	47	187	219	141	76	74
20	73	52	e48	e42	44	41	46	202	217	155	75	72
21	70	51	e46	e42	41	40	46	230	206	152	72	71
22	68	52	e45	e43	39	40	51	318	201	143	82	69
23	72	52	e44	e43	47	39	50	500	201	137	88	68
24	70	52	e42	e43	50	37	49	634	217	129	82	67
25	69	50	e41	e43	41	37	51	641	208	148	86	66
26	68	e51	e40	e42	39	38	59	767	206	137	83	66
27	64	e52	e40	e42	40	37	63	936	205	135	80	65
28	64	e53	e41	e42	43	35	64	1,010	195	130	79	66
29	61	e54	e41	e41	---	36	62	983	186	124	77	66
30	63	e55	e42	e42	---	37	61	949	179	119	95	65
31	65	---	e43	e41	---	39	---	845	---	114	88	---
TOTAL	2,571	1,673	1,470	1,311	1,130	1,235	1,469	9,536	8,820	4,356	2,678	2,276
MEAN	82.9	55.8	47.4	42.3	40.4	39.8	49.0	308	294	141	86.4	75.9
MAX	113	67	53	44	50	44	64	1,010	860	175	108	89
MIN	61	50	40	40	37	35	40	54	179	114	72	65
AC-FT	5,100	3,320	2,920	2,600	2,240	2,450	2,910	18,910	17,490	8,640	5,310	4,510

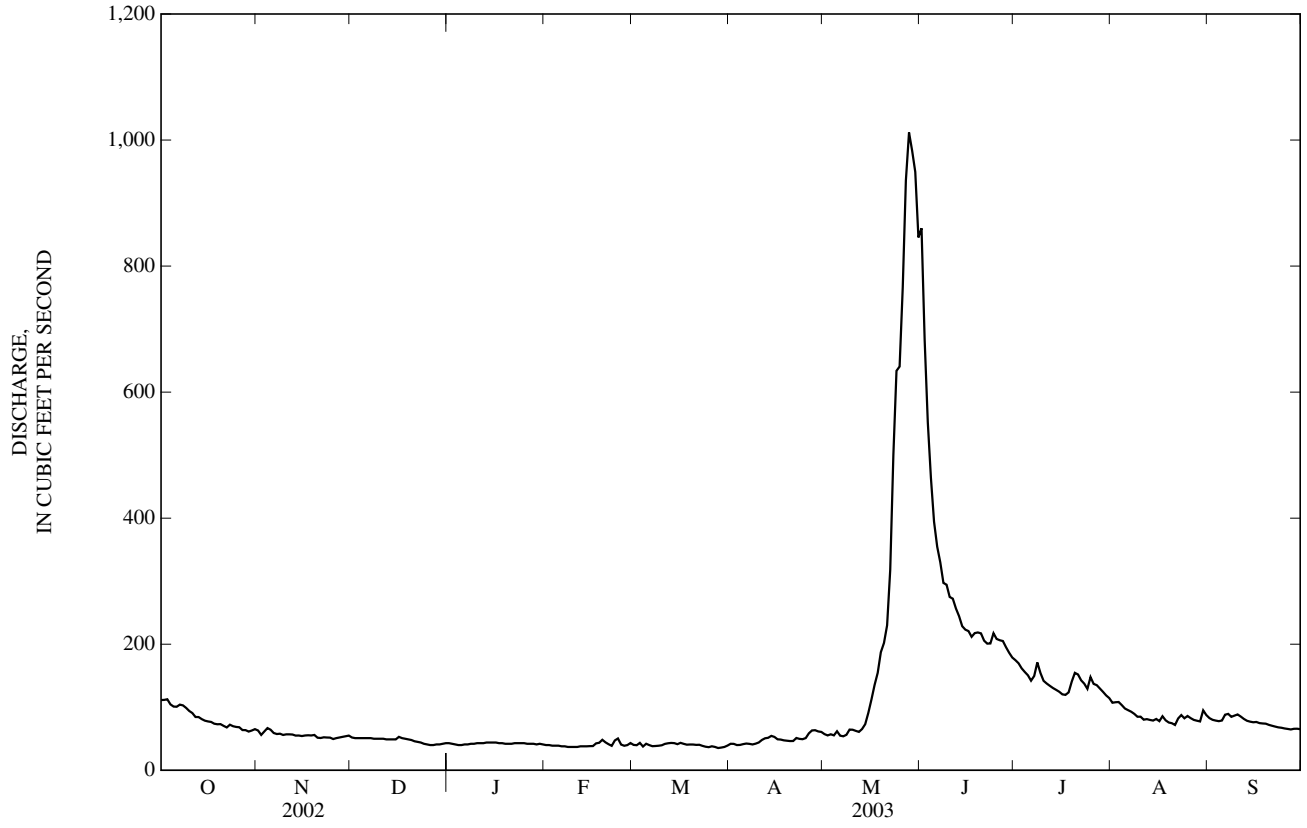
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1945 - 2003, BY WATER YEAR (WY)

MEAN	90.1	70.1	58.4	50.4	47.8	48.0	62.8	247	480	233	147	118
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1945 - 2003	
ANNUAL TOTAL	24,433		38,525			
ANNUAL MEAN	66.9		106		138	
HIGHEST ANNUAL MEAN					235	1983
LOWEST ANNUAL MEAN					65.3	2002
HIGHEST DAILY MEAN	209	May 31	1,010	May 28	1,810	Jun 20, 1999
LOWEST DAILY MEAN	33	Mar 21	35	Mar 28	22	Jan 1, 1979
ANNUAL SEVEN-DAY MINIMUM	34	Mar 19	37	Mar 24	26	Dec 31, 1978
ANNUAL RUNOFF (AC-FT)	48,460		76,410		99,850	
10 PERCENT EXCEEDS	117		203		303	
50 PERCENT EXCEEDS	52		61		74	
90 PERCENT EXCEEDS	40		40		44	

e Estimated



09295000 DUCHESNE RIVER AT MYTON, UT

LOCATION.--Lat 40°12'01", long 110°03'47", in NE¼NW¼NW¼ 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^2.

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^3/s, Jun 10, 1922, gage height, 7.94 ft, site and datum then in use, from rating curve extended above 8,000 ft^3/s; minimum discharge, less than 1 ft^3/s, Jul 16, 1931, and for several days in Aug and Sep 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 453 ft^3/s, May 29, gage height, 3.33 ft; minimum daily discharge, 11 ft^3/s, Oct 16.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	71	e63	e43	e79	e73	30	25	82	40	50	30
2	19	69	e62	e43	e73	e80	29	29	67	24	54	29
3	32	69	e62	e42	e68	85	22	34	99	30	61	21
4	25	69	e60	e42	e62	82	20	35	57	26	27	17
5	21	66	e59	e43	e57	103	21	33	27	26	19	17
6	16	65	e58	e43	e52	89	22	22	18	26	20	18
7	17	63	e56	e44	e47	85	19	21	19	29	28	66
8	20	66	e54	e44	e44	76	18	41	24	23	41	41
9	33	104	e52	e44	e45	85	17	64	23	14	42	48
10	35	81	e51	e44	e45	63	17	59	44	19	43	39
11	27	63	e50	e44	e46	43	16	58	43	66	47	38
12	22	60	e49	e44	e47	38	16	51	43	25	42	47
13	14	57	e48	e44	e48	29	16	35	44	25	46	46
14	12	61	e50	e42	e49	23	15	27	23	42	43	37
15	12	54	e62	e41	e50	17	15	27	17	56	45	41
16	11	52	e80	e40	e50	12	15	30	15	53	36	40
17	19	52	e77	e39	e49	20	22	31	20	37	46	26
18	17	54	e70	e38	e49	50	26	26	23	34	21	23
19	16	58	e66	e40	e48	28	32	25	31	38	18	20
20	17	59	e63	e43	e48	22	31	25	62	45	19	17
21	17	57	e58	e46	e47	21	31	29	55	68	19	19
22	17	57	e54	e49	e47	22	22	40	47	62	28	26
23	15	54	e50	e53	e46	25	27	27	45	38	35	28
24	14	51	e47	e56	e46	28	27	20	55	38	32	30
25	14	60	e44	e60	e51	38	28	20	77	71	20	26
26	15	47	e42	e64	e56	45	30	31	58	48	23	21
27	16	46	e42	e68	e62	56	24	139	38	69	23	23
28	17	51	e43	e75	e67	46	21	234	22	65	22	20
29	18	64	e43	e76	---	40	20	242	18	48	25	14
30	21	64	e44	e77	---	37	25	211	29	38	34	13
31	63	---	e44	e78	---	34	---	99	---	48	33	---
TOTAL	631	1,844	1,703	1,549	1,478	1,495	674	1,790	1,225	1,271	1,042	881
MEAN	20.4	61.5	54.9	50.0	52.8	48.2	22.5	57.7	40.8	41.0	33.6	29.4
MAX	63	104	80	78	79	103	32	242	99	71	61	66
MIN	11	46	42	38	44	12	15	20	15	14	18	13
AC-FT	1,250	3,660	3,380	3,070	2,930	2,970	1,340	3,550	2,430	2,520	2,070	1,750

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912 - 2003, BY WATER YEAR (WY)

MEAN	233	283	302	290	311	354	363	1,030	1,614	414	167	186
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	50.0	52.8	48.2	9.43	25.6	17.8	5.01	5.13	1.37
(WY)	(1935)	(1991)	(1971)	(2003)	(2003)	(2003)	(1961)	(2002)	(1934)	(1961)	(1940)	(1934)

09295000 DUCHESNE RIVER AT MYTON, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1912 - 2003	
ANNUAL TOTAL	18,164.7		15,583			
ANNUAL MEAN	49.8		42.7		462	
HIGHEST ANNUAL MEAN					1,318	1922
LOWEST ANNUAL MEAN					42.7	2003
HIGHEST DAILY MEAN	191	Mar 29	242	May 29	9,690	Jun 20, 1917
LOWEST DAILY MEAN	4.0	Apr 10	11	Oct 16	1.0	Jul 11, 1931
ANNUAL SEVEN-DAY MINIMUM	6.0	Apr 8	14	Oct 13	1.0	Jul 11, 1931
ANNUAL RUNOFF (AC-FT)	36,030		30,910		334,500	
10 PERCENT EXCEEDS	108		68		971	
50 PERCENT EXCEEDS	33		42		280	
90 PERCENT EXCEEDS	15		18		31	

e Estimated

09295100 DUCHESNE RIVER ABOVE UINTA RIVER, NEAR RANDLETT, UT

LOCATION.--Lat 40°12'24", long 109°51'33", in NW¼NW¼SW¼ 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^2.

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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,600 ft^3/s, Jun 21, 1999, gage height 8.64 ft; minimum daily discharge, 2.5 ft^3/s, Jul 10, 11, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 297 ft^3/s, May 29, gage height, 4.16 ft; minimum daily discharge, 2.5 ft^3/s, Jul 10, 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	63	65	e74	e48	79	43	25	49	23	12	11
2	18	63	61	e73	e48	70	40	25	53	22	18	8.7
3	33	63	62	e73	e49	71	37	23	37	10	18	7.3
4	32	64	68	e74	e47	77	35	30	61	9.5	20	5.1
5	25	63	68	e75	e59	71	33	26	32	8.2	7.7	4.1
6	21	63	64	e75	e54	65	31	24	28	9.3	4.0	3.9
7	16	65	66	e76	e57	82	31	14	22	10	3.2	4.0
8	21	68	66	e76	e62	87	29	23	23	e5.7	3.7	22
9	19	94	55	e74	e59	88	28	48	30	e2.8	9.2	7.3
10	26	97	54	e73	e59	78	28	56	36	e2.5	12	9.7
11	25	74	53	e70	e58	58	27	49	36	e2.5	14	7.1
12	19	67	57	e69	e57	55	26	51	34	e16	13	7.6
13	16	67	57	e67	e57	51	23	41	35	11	17	7.9
14	10	68	55	e64	e64	46	19	26	32	10	17	11
15	13	67	59	e64	83	41	18	29	26	14	18	9.2
16	23	65	58	e58	78	34	15	26	23	14	14	10
17	24	64	67	e53	77	52	5.4	30	19	13	9.6	8.4
18	27	64	58	e48	73	75	12	23	20	5.5	13	6.4
19	27	68	60	e44	74	59	13	16	21	5.2	5.8	6.6
20	26	68	64	e44	80	45	23	15	28	5.4	3.5	5.2
21	26	68	64	e46	88	40	19	17	49	6.6	14	4.9
22	26	66	e63	e46	94	38	20	22	47	17	12	4.2
23	26	66	e64	e47	88	38	13	34	50	11	7.2	3.6
24	25	66	e66	e48	80	39	21	25	56	4.5	13	4.5
25	25	69	e67	e50	74	42	19	20	65	e4.9	11	9.1
26	26	63	e69	e52	76	50	20	20	54	17	6.6	7.1
27	27	60	e70	e54	75	57	22	27	45	13	4.2	5.8
28	29	56	e70	e56	82	59	19	141	28	26	5.0	8.7
29	32	63	e72	e49	---	53	18	149	20	18	4.5	10
30	33	64	e74	e47	---	49	19	136	16	11	6.2	8.7
31	43	---	e75	e47	---	46	---	87	---	6.4	14	---
TOTAL	751	2,016	1,971	1,866	1,900	1,795	706.4	1,278	1,075	335.0	330.4	229.1
MEAN	24.2	67.2	63.6	60.2	67.9	57.9	23.5	41.2	35.8	10.8	10.7	7.64
MAX	43	97	75	76	94	88	43	149	65	26	20	22
MIN	10	56	53	44	47	34	5.4	14	16	2.5	3.2	3.6
AC-FT	1,490	4,000	3,910	3,700	3,770	3,560	1,400	2,530	2,130	664	655	454

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1998 - 2003, BY WATER YEAR (WY)

MEAN	196	236	244	206	224	223	141	225	770	239	132	197
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	24.2	55.6	63.6	60.2	67.9	57.9	18.7	12.8	14.1	9.30	6.76	7.64
(WY)	(2003)	(2002)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2002)	(2003)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1998 - 2003	
ANNUAL TOTAL	16,446.6		14,252.9			
ANNUAL MEAN	45.1		39.0		197	
HIGHEST ANNUAL MEAN					632	1999
LOWEST ANNUAL MEAN					39.0	2003
HIGHEST DAILY MEAN	152	Mar 29	149	May 29	4,410	Jun 20, 1999
LOWEST DAILY MEAN	2.4	Aug 14	2.5	Jul 10	2.4	Aug 14, 2002
ANNUAL SEVEN-DAY MINIMUM	3.1	Apr 9	5.1	Sep 18	3.1	Apr 9, 2002
ANNUAL RUNOFF (AC-FT)	32,620		28,270		143,100	
10 PERCENT EXCEEDS	103		73		544	
50 PERCENT EXCEEDS	26		33		70	
90 PERCENT EXCEEDS	5.8		7.2		9.2	

e Estimated

09296800 UINTA RIVER BELOW POWERPLANT DIVERSION, NEAR NEOLA, UT

LOCATION.--Lat 40°35'29", long 110°06'49", in NW¼NW¼NE¼ 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^2.

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^3/s, Jun 21, 1999, gage height, 7.07; minimum daily discharge, 11 ft^3/s, Jan 8, 19, 20, 1992 and Jan 19, 20, 22, 26, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 1,400 ft^3/s, May 28; minimum daily discharge, 11 ft^3/s, several days in Jan.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	79	28	17	e15	e15	e13	14	61	961	214	105	84
2	87	28	18	e14	e15	e13	14	61	604	220	102	82
3	83	e28	19	e13	e14	e13	12	59	392	215	103	84
4	73	e28	18	e13	e14	e14	e14	57	280	207	103	81
5	72	28	17	e13	e13	e15	12	58	257	201	95	81
6	70	27	e16	e14	e13	e14	e13	31	232	195	88	90
7	74	25	e16	e14	e13	12	15	18	219	187	87	108
8	70	28	e15	e15	e12	12	e14	20	199	180	95	92
9	65	29	e15	e14	e12	12	13	22	201	171	93	91
10	62	e35	e15	e14	e13	14	14	20	199	163	105	89
11	60	e40	e15	e15	e13	14	15	48	200	154	105	78
12	51	37	e15	e15	e13	13	15	67	190	158	106	71
13	52	25	e14	e16	e13	13	16	76	183	149	104	65
14	50	23	e15	e16	e14	14	18	91	175	143	108	61
15	45	22	e15	e15	e14	15	18	119	173	141	99	58
16	44	27	e16	e14	e13	16	15	141	186	139	102	59
17	42	26	e15	e13	e13	14	16	171	182	137	119	57
18	40	e25	e15	e12	e13	13	16	194	190	140	100	56
19	38	25	e15	e11	e13	13	15	214	202	151	94	54
20	37	20	e14	e11	e13	13	15	212	211	167	89	52
21	37	20	e15	e12	e13	13	15	251	199	152	87	48
22	34	21	e15	e11	e13	14	17	376	201	139	103	46
23	39	20	e14	e12	e13	14	16	638	213	141	104	45
24	35	20	e14	e12	e12	14	15	681	249	131	98	44
25	34	19	e14	e12	e12	14	16	642	224	150	105	43
26	35	25	e13	e11	e13	14	19	873	231	135	93	41
27	32	42	e12	e12	e12	e13	24	1,160	237	127	90	39
28	30	32	e12	e12	e13	e13	49	1,400	228	123	84	39
29	27	23	e13	e13	---	e16	70	1,330	222	120	80	39
30	31	19	e14	e13	---	e13	67	1,170	218	110	113	38
31	29	---	e15	e14	---	13	---	1,050	---	107	94	---
TOTAL	1,557	795	466	411	367	421	602	11,311	7,658	4,867	3,053	1,915
MEAN	50.2	26.5	15.0	13.3	13.1	13.6	20.1	365	255	157	98.5	63.8
MAX	87	42	19	16	15	16	70	1,400	961	220	119	108
MIN	27	19	12	11	12	12	12	18	173	107	80	38
AC-FT	3,090	1,580	924	815	728	835	1,190	22,440	15,190	9,650	6,060	3,800

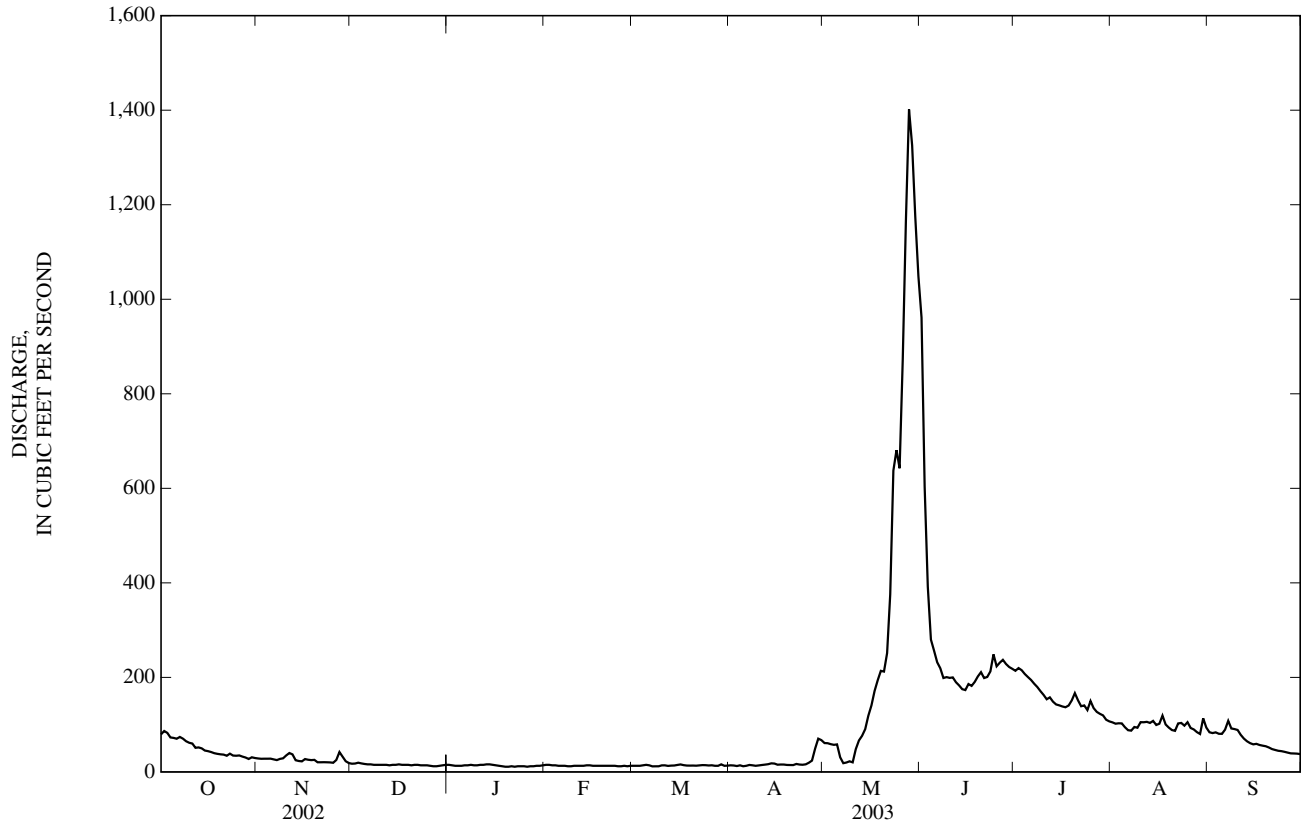
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1991 - 2003, BY WATER YEAR (WY)

MEAN	81.1	50.9	36.4	33.8	30.9	32.0	43.9	323	560	293	164	146
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	13.1	13.6	20.1	104	113	53.8	27.9	61.4
(WY)	(1991)	(1991)	(1992)	(1992)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(1992)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1991 - 2003	
ANNUAL TOTAL	17,660		33,423			
ANNUAL MEAN	48.4		91.6		150	
HIGHEST ANNUAL MEAN					268	1995
LOWEST ANNUAL MEAN					51.4	2002
HIGHEST DAILY MEAN	205	May 20	1,400	May 28	3,000	Jun 15, 1995
LOWEST DAILY MEAN	12	Dec 27	11	Jan 19	11	Jan 8, 1992
ANNUAL SEVEN-DAY MINIMUM	13	Dec 23	12	Jan 18	12	Jan 18, 2003
ANNUAL RUNOFF (AC-FT)	35,030		66,290		108,600	
10 PERCENT EXCEEDS	101		201		326	
50 PERCENT EXCEEDS	32		32		57	
90 PERCENT EXCEEDS	18		13		23	

e Estimated



09299500 WHITEROCKS RIVER NEAR WHITEROCKS, UT

LOCATION.--Lat 40°35'37", long 109°55'54", in SE¼SW¼SW¼ 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^2.

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 0f 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. Flow slightly regulated by dams and gates on small headwater lakes.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 27	2130	*1,200	*5.56

No other peak greater than base discharge.

Minimum daily discharge, 18 ft^3/s, Mar 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	73	42	35	e23	e26	e21	26	55	570	235	84	87
2	79	33	33	e23	e25	e21	25	51	432	219	82	85
3	72	37	33	e23	e26	e22	23	49	329	206	82	89
4	63	43	34	e23	e23	e23	20	46	274	198	83	90
5	63	43	34	e24	e25	e22	23	44	236	228	80	94
6	67	42	32	e25	e23	e21	23	43	210	218	76	106
7	68	e42	32	e26	e22	21	22	47	196	218	76	106
8	70	e43	29	e26	e20	21	22	e49	175	212	76	92
9	61	e46	30	e26	e22	22	24	51	171	197	79	90
10	58	e45	29	e24	e23	22	25	47	178	185	78	89
11	56	e44	31	e25	e23	22	27	50	146	179	75	76
12	52	e43	33	e26	e24	23	30	48	143	196	79	72
13	50	e44	32	e27	e24	24	33	57	143	193	86	69
14	49	e42	34	e27	e25	24	38	72	147	187	83	67
15	48	e41	35	e26	e25	24	40	99	137	184	78	66
16	47	e40	e34	e24	e23	26	37	127	129	183	79	66
17	46	e39	e35	e22	e22	24	38	154	121	180	79	64
18	46	e35	e33	e20	e21	23	38	186	123	181	76	63
19	44	35	e25	e19	e21	24	34	212	160	185	73	e61
20	44	33	e24	e20	e21	24	31	209	204	190	72	62
21	42	33	e25	e20	e21	24	31	259	169	154	84	61
22	40	33	e24	e21	e21	24	44	389	199	142	92	58
23	44	32	e23	e23	e21	25	57	605	232	140	96	50
24	43	32	e24	e22	e20	25	54	630	288	131	111	49
25	43	30	e22	e21	e21	24	57	527	269	131	98	48
26	43	28	e20	e21	e21	25	67	523	326	128	90	49
27	42	32	e22	e22	e20	23	73	683	339	121	88	46
28	41	34	e23	e23	e20	23	73	699	277	121	84	48
29	38	35	e24	e23	---	e18	64	659	221	106	80	44
30	42	35	e26	e25	---	e26	61	723	209	86	96	44
31	39	---	e24	e25	---	24	---	654	---	84	92	---
TOTAL	1,613	1,136	894	725	629	715	1,160	8,047	6,753	5,318	2,587	2,091
MEAN	52.0	37.9	28.8	23.4	22.5	23.1	38.7	260	225	172	83.5	69.7
MAX	79	46	35	27	26	26	73	723	570	235	111	106
MIN	38	28	20	19	20	18	20	43	121	84	72	44
AC-FT	3,200	2,250	1,770	1,440	1,250	1,420	2,300	15,960	13,390	10,550	5,130	4,150

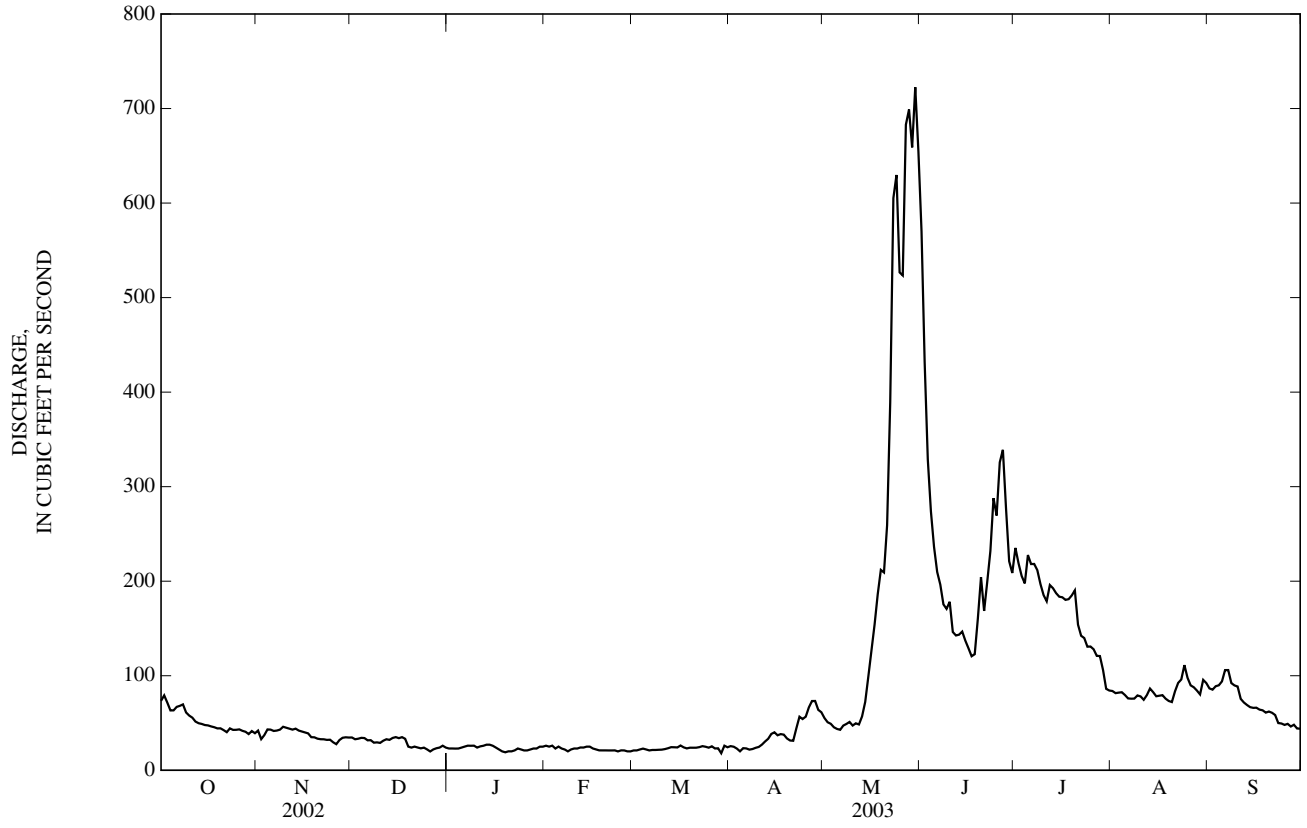
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1930 - 2003, BY WATER YEAR (WY)

MEAN	67.7	45.1	34.6	29.5	27.0	27.8	48.1	279	393	180	123	93.8
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1930 - 2003	
ANNUAL TOTAL	16,858		31,668			
ANNUAL MEAN	46.2		86.8		113	
HIGHEST ANNUAL MEAN					209	1983
LOWEST ANNUAL MEAN					42.0	1934
HIGHEST DAILY MEAN	150	Jul 26	723	May 30	2,300	Jun 22, 1983
LOWEST DAILY MEAN	18	Feb 5	18	Mar 29	14	Feb 24, 1977
ANNUAL SEVEN-DAY MINIMUM	19	Jan 30	21	Feb 22	15	Jan 20, 1991
ANNUAL RUNOFF (AC-FT)	33,440		62,810		81,640	
10 PERCENT EXCEEDS	89		198		246	
50 PERCENT EXCEEDS	40		44		50	
90 PERCENT EXCEEDS	20		22		25	

e Estimated



09301500 UINTA RIVER AT RANDLETT, UT

LOCATION.--Lat 40°14'01", long 109°48'11", in SE¼NE¼SE¼ 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^2.

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.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 280 ft^3/s, May 29, gage height, 5.46 ft; minimum daily discharge, 0.42 ft^3/s, Aug 29,.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	11	11	e8	e19	23	5.4	8.0	95	71	9.4	1.1
2	53	9.7	12	e8	e21	22	6.5	9.0	99	45	8.6	7.1
3	79	9.5	12	e7	e23	19	6.8	8.4	92	14	6.4	7.9
4	54	9.8	12	e7	e20	20	6.7	11	42	48	4.8	5.5
5	31	7.8	12	e7	e17	19	6.5	11	29	53	5.6	4.0
6	19	7.7	12	e8	e14	17	7.0	11	64	13	13	2.3
7	14	9.1	13	e8	e12	18	7.5	10	40	8.4	5.7	9.7
8	20	11	13	e8	e10	20	7.7	10	35	28	5.6	6.3
9	17	21	12	e8	e11	20	7.7	20	42	47	7.1	14
10	19	24	12	e9	e12	18	7.4	16	40	34	6.5	18
11	24	18	12	e9	e13	17	7.7	13	42	19	1.8	24
12	21	15	11	e9	e15	16	7.6	16	59	15	5.3	32
13	18	9.5	12	e9	16	16	7.2	13	82	13	3.8	17
14	14	9.5	12	e8	17	13	7.2	12	85	14	8.5	25
15	13	9.8	12	e8	19	9.8	6.6	14	79	8.3	11	16
16	11	9.5	e11	e8	20	10	6.4	17	55	2.7	7.3	17
17	4.3	10	e11	e7	20	14	5.6	16	52	3.2	1.7	27
18	2.4	11	e10	e7	21	26	5.5	18	63	5.1	1.2	30
19	1.9	12	e10	e7	21	13	9.0	18	74	6.6	1.6	37
20	1.1	11	e9	e8	21	9.1	10	16	103	5.1	2.3	52
21	1.3	12	e9	e9	22	7.5	8.2	11	93	3.5	2.3	37
22	2.8	13	e8	e10	26	6.4	11	11	56	14	2.0	31
23	6.2	12	e8	e11	29	7.2	11	16	67	15	2.1	50
24	11	13	e8	e12	25	6.3	9.8	74	90	8.8	2.6	38
25	9.9	14	e7	e13	23	6.4	12	83	117	5.6	1.6	8.8
26	12	12	e7	e15	23	6.3	9.6	27	108	3.5	6.9	4.2
27	12	13	e7	e17	24	5.9	8.2	43	109	3.2	5.5	14
28	11	13	e7	e17	24	5.9	6.6	137	113	2.9	1.7	13
29	14	11	e7	e18	---	5.7	11	212	100	2.1	0.42	7.2
30	13	11	e8	e18	---	4.7	9.7	201	71	2.2	0.51	2.4
31	12	---	e8	e19	---	5.1	---	172	---	4.3	0.65	---
TOTAL	542.9	359.9	315	317	538	407.3	239.1	1,254.4	2,196	518.5	143.48	558.5
MEAN	17.5	12.0	10.2	10.2	19.2	13.1	7.97	40.5	73.2	16.7	4.63	18.6
MAX	79	24	13	19	29	26	12	212	117	71	13	52
MIN	1.1	7.7	7.0	7.0	10	4.7	5.4	8.0	29	2.1	0.42	1.1
AC-FT	1,080	714	625	629	1,070	808	474	2,490	4,360	1,030	285	1,110

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977-81, 1999-2003, BY WATER YEAR (WY)

MEAN	58.3	65.2	51.3	48.4	74.7	82.1	48.1	146	401	78.7	40.8	66.8
MAX	208	292	185	153	189	223	134	532	1,411	455	150	297
(WY)	(1999)	(1999)	(1999)	(1999)	(1999)	(1979)	(1998)	(2001)	(1998)	(1998)	(1998)	(1999)
MIN	16.8	12.0	10.2	10.2	19.2	13.1	7.97	11.1	5.24	2.95	4.63	14.6
(WY)	(1978)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2003)	(1979)

09301500 UINTA RIVER AT RANDLETT, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977-81, 1999-2003	
ANNUAL TOTAL	4,696.7		7,390.08			
ANNUAL MEAN	12.9		20.2		82.1	
HIGHEST ANNUAL MEAN					284	1999
LOWEST ANNUAL MEAN					14.3	2002
HIGHEST DAILY MEAN	79	Oct 3	212	May 29	3,000	Jun 18, 1998
LOWEST DAILY MEAN	1.1	Oct 20	0.42	Aug 29	0.42	Aug 29, 2003
ANNUAL SEVEN-DAY MINIMUM	1.8	Jul 17	1.9	Aug 17	1.8	Jul 17, 2002
ANNUAL RUNOFF (AC-FT)	9,320		14,660		59,450	
10 PERCENT EXCEEDS	30		49		158	
50 PERCENT EXCEEDS	11		12		31	
90 PERCENT EXCEEDS	2.9		4.8		10	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, 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^2.

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 4,756.1 ft above NGVD of 1929. 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 ft upstream at datum 1.87 ft higher.

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, Hobble Creek ditch, Strawberry River, and Willow Creek Ditch.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 628 ft^3/s, May 29, gage height, 4.25 ft; minimum daily discharge, 8.1 ft^3/s, Aug 20.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e43	88	89	e75	e84	e101	38	16	92	27	9.9	16
2	e71	88	82	e73	e83	90	37	16	104	24	14	18
3	e112	85	80	e72	e80	82	34	15	83	18	17	17
4	e86	87	89	e73	e80	95	33	16	51	19	19	14
5	e56	85	90	e77	e82	80	32	17	21	20	16	10
6	e40	82	83	e80	e80	79	31	18	28	15	14	9.3
7	e30	84	85	e82	e76	99	30	14	17	14	10	12
8	e41	86	87	e92	e75	102	29	14	16	15	11	22
9	e36	123	76	e83	e75	102	27	30	21	15	14	21
10	53	e136	80	e80	e78	104	26	35	23	15	15	31
11	58	e98	75	e78	e80	72	25	29	25	13	12	34
12	55	87	78	e80	e82	68	25	30	28	13	14	39
13	53	85	76	e82	e86	62	24	24	35	13	13	27
14	49	83	70	e85	e88	52	21	17	38	12	13	28
15	46	82	e67	e84	e88	44	20	16	30	13	15	22
16	49	77	e67	e83	e90	39	19	19	23	13	18	21
17	45	76	e70	e80	e94	58	16	19	20	9.6	14	21
18	44	75	71	e75	e90	114	14	16	22	11	14	15
19	43	83	e69	e70	e88	81	20	15	26	11	11	e16
20	42	81	e65	e66	e86	51	23	13	37	11	8.1	e25
21	42	81	e63	e64	e86	44	21	12	60	12	8.8	24
22	42	81	e61	e67	e86	40	22	13	48	14	18	25
23	43	83	e62	e70	e86	39	20	14	53	13	10	32
24	43	85	e63	e70	e88	39	20	52	70	12	13	31
25	42	92	e63	e70	e96	41	20	38	126	12	15	25
26	e42	85	e64	e72	e100	45	18	13	95	11	14	23
27	41	75	e65	e74	e105	46	17	20	74	10	13	26
28	43	65	e66	e76	e101	51	15	239	45	12	11	29
29	45	80	e68	e78	---	e47	16	385	27	15	9.9	28
30	48	92	e72	e79	---	e43	16	384	22	11	9.7	23
31	54	---	e76	e84	---	39	---	307	---	9.8	16	---
TOTAL	1,537	2,590	2,272	2,374	2,413	2,049	709	1,866	1,360	433.4	410.4	684.3
MEAN	49.6	86.3	73.3	76.6	86.2	66.1	23.6	60.2	45.3	14.0	13.2	22.8
MAX	112	136	90	92	105	114	38	385	126	27	19	39
MIN	30	65	61	64	75	39	14	12	16	9.6	8.1	9.3
AC-FT	3,050	5,140	4,510	4,710	4,790	4,060	1,410	3,700	2,700	860	814	1,360

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2003, BY WATER YEAR (WY)

MEAN	308	379	403	392	431	480	394	950	1,828	491	206	226
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	32.0	42.6	39.6	43.3	52.6	66.1	23.6	27.5	22.9	7.12	5.89	18.9
(WY)	(2002)	(1990)	(1990)	(1990)	(1990)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(1960)

09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1943 - 2003	
ANNUAL TOTAL	21,643.27		18,698.1			
ANNUAL MEAN	59.3		51.2		540	
HIGHEST ANNUAL MEAN					1,736	1983
LOWEST ANNUAL MEAN					51.2	2003
HIGHEST DAILY MEAN	160	Mar 4	385	May 29	11,500	Jun 20, 1983
LOWEST DAILY MEAN	0.78	Aug 21	8.1	Aug 20	0.78	Aug 21, 2002
ANNUAL SEVEN-DAY MINIMUM	1.5	Aug 17	11	Jul 26	1.5	Aug 17, 2002
ANNUAL RUNOFF (AC-FT)	42,930		37,090		390,900	
10 PERCENT EXCEEDS	125		88		1,100	
50 PERCENT EXCEEDS	54		43		320	
90 PERCENT EXCEEDS	5.2		13		52	

e Estimated

09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

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, 2,560 microsiemens/cm, Feb 28, Mar 6; minimum observed, 640 microsiemens/cm, May 18, 21, 22, 23, 24.
WATER TEMPERATURE: Maximum, 32.3°C, Jul 18; minimum, 0.0°C, on many days during the winter period.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

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)	Specif. 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											
04...	1600	2.40	79	640	123	10.5	8.2	2,040	--	14.1	1,480
NOV											
15...	1215	2.42	80	649	108	12.0	8.7	1,680	--	3.8	1,230
JAN											
09...	1700	--	83	635	105	12.7	8.0	1,300	--	0.0	884
MAR											
07...	1045	2.43	104	622	117	12.7	8.6	1,590	--	3.1	1,150
APR											
15...	1740	2.05	20	--	--	9.6	8.2	2,500	--	13.6	1,900
MAY											
30...	1045	3.27	251	642	97	7.4	7.8	692	23.6	20.3	--
JUL											
03...	1000	2.23	21	--	--	--	8.2	1,660	27.5	22.2	1,210
AUG											
14...	1600	2.03	13	--	--	--	--	1,800	36.0	30.5	1,370

09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,140	1,890	1,390	1,260	1,220	1,680	2,400	2,280	1,220	1,840	2,030	1,780
2	2,130	1,640	1,710	1,270	1,240	2,540	2,510	2,190	1,220	1,840	2,020	1,680
3	2,130	1,890	1,360	1,260	1,280	2,540	2,210	2,260	1,220	1,670	1,950	1,820
4	2,270	2,210	1,710	1,270	1,290	2,550	2,490	2,120	1,220	1,700	1,950	2,250
5	2,240	1,880	1,400	1,270	1,280	1,690	2,220	2,060	1,220	1,700	2,020	1,780
6	2,290	1,880	1,340	1,260	1,290	2,560	2,410	2,220	1,220	1,840	1,940	1,710
7	2,280	2,200	1,690	1,270	1,410	1,680	2,540	2,110	1,280	1,730	2,000	2,230
8	2,280	1,620	1,380	1,280	1,300	2,420	2,550	2,130	1,280	1,630	1,950	2,230
9	2,210	1,700	1,350	1,300	1,300	2,420	2,480	2,310	1,280	1,660	2,020	2,230
10	2,250	1,620	1,380	1,280	1,400	2,430	2,410	2,280	1,270	1,640	2,020	1,740
11	2,290	1,690	1,340	1,280	1,380	2,410	2,540	2,280	1,280	---	1,970	2,210
12	2,230	1,610	1,340	1,260	1,320	2,020	2,410	2,320	1,680	2,010	1,970	2,200
13	2,240	1,680	1,390	1,280	1,900	2,420	2,540	2,290	1,670	1,770	1,980	1,820
14	2,200	1,630	1,330	1,280	1,410	2,000	2,500	2,320	1,670	1,760	---	2,260
15	2,240	1,680	1,340	1,290	1,390	2,440	2,540	2,250	1,700	1,990	2,000	2,240
16	2,230	1,620	1,350	1,280	1,400	2,000	2,410	2,330	1,280	1,530	1,730	2,260
17	2,220	1,680	1,330	1,290	1,900	2,040	2,410	730	1,660	1,930	1,800	1,820
18	1,650	1,600	1,330	1,290	1,900	2,020	2,360	640	1,500	1,770	1,800	2,250
19	2,220	1,680	1,340	1,350	1,900	2,060	2,360	720	1,490	1,520	1,820	2,260
20	2,210	1,400	1,330	1,300	1,900	1,980	2,360	2,390	1,490	1,930	1,830	2,240
21	1,660	1,720	1,340	1,350	1,900	2,010	2,350	640	1,500	1,740	1,740	2,260
22	2,210	1,720	1,240	1,290	1,690	2,220	2,380	640	1,500	1,910	1,730	2,250
23	2,220	1,710	1,270	1,360	2,550	2,210	2,380	640	1,500	1,530	1,810	2,250
24	1,890	1,690	1,240	1,270	1,680	2,040	2,370	640	1,700	2,000	1,720	2,250
25	2,210	1,700	1,240	1,280	2,550	2,030	2,390	720	1,670	1,550	1,790	2,160
26	1,640	1,710	1,240	1,270	1,700	2,040	2,390	720	1,670	1,930	1,800	1,710
27	1,640	1,710	1,270	1,240	2,550	---	2,330	720	1,840	1,930	1,790	2,190
28	2,230	1,700	1,230	1,240	2,560	2,040	2,310	1,180	1,840	1,530	1,810	2,220
29	2,220	1,340	1,240	1,250	---	2,500	2,220	1,180	1,660	1,530	1,700	2,200
30	1,640	1,680	1,270	1,230	---	2,220	2,330	1,170	1,840	2,030	1,800	2,250
31	1,880	---	1,270	---	---	2,500	---	1,180	---	1,920	1,810	---
MAX	2,290	2,210	1,710	1,360	2,560	2,560	2,550	2,390	1,840	2,030	2,030	2,260
MIN	1,640	1,340	1,230	1,230	1,220	1,680	2,210	640	1,220	1,520	1,700	1,680

09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16.6	13.4	14.9	7.0	4.7	5.6	---	0.0	---	---	---	---
2	15.6	13.3	14.3	6.1	3.2	4.7	---	0.0	---	---	---	---
3	13.8	11.9	12.7	5.0	1.9	3.5	---	0.0	---	---	---	---
4	14.4	10.5	12.3	4.4	1.3	2.9	---	0.0	---	---	---	---
5	15.0	10.7	12.8	4.6	0.9	2.8	---	0.0	---	---	---	---
6	15.3	10.9	13.1	5.1	1.5	3.3	---	0.0	---	---	---	---
7	15.8	11.3	13.5	3.5	1.6	2.9	---	0.0	---	---	---	---
8	15.9	11.7	13.8	5.0	2.3	3.7	---	0.0	---	---	---	---
9	15.5	11.2	13.4	6.1	4.1	4.8	---	0.0	---	---	---	---
10	15.2	11.1	13.2	5.7	3.0	---	---	0.0	---	---	---	---
11	14.7	11.9	13.2	5.9	2.8	---	---	---	---	---	---	---
12	13.2	9.1	11.2	5.1	2.2	3.8	---	0.0	---	---	---	---
13	12.3	8.3	10.4	4.3	2.9	3.7	---	0.0	---	---	---	---
14	11.9	7.8	9.9	5.2	2.8	4.0	---	0.0	---	---	---	---
15	11.8	7.9	9.8	4.9	2.1	3.5	---	0.0	---	---	---	---
16	12.1	7.7	9.9	4.0	1.7	2.9	---	0.0	---	---	---	---
17	12.3	7.8	10.1	2.8	1.0	2.0	---	0.0	---	---	---	---
18	12.4	7.9	10.2	3.0	0.2	1.6	---	0.0	---	---	---	---
19	12.0	7.6	9.9	3.0	0.3	1.7	---	0.0	---	---	---	---
20	11.9	7.5	9.8	3.4	0.5	2.0	---	---	---	---	---	---
21	11.4	7.2	9.5	3.7	0.8	2.3	---	---	---	---	---	---
22	10.4	7.5	9.1	3.9	1.0	2.6	---	0.0	---	---	---	---
23	11.1	8.1	9.7	4.6	1.7	3.2	---	---	---	---	---	---
24	10.4	7.6	9.1	4.9	2.4	3.8	---	0.0	---	---	---	---
25	10.2	6.8	8.7	3.9	1.7	2.9	---	---	---	---	---	---
26	9.4	---	---	1.7	0.0	0.8	---	---	---	---	---	---
27	10.5	6.5	8.6	---	---	---	---	---	---	---	---	---
28	9.0	6.7	7.9	---	---	---	---	---	---	---	---	---
29	8.3	6.1	7.1	---	---	---	---	---	---	---	---	---
30	7.3	5.5	6.3	---	---	---	---	---	---	---	---	---
31	6.9	4.5	5.6	---	---	---	---	---	---	---	---	---
MONTH	16.6	4.5	10.7	7.0	0.0	3.1	---	0.0	---	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	0.9	0.1	---	15.0	9.6	12.2	16.3	9.9	13.0
2	---	---	---	1.8	0.0	---	12.1	8.0	10.4	17.8	11.7	14.8
3	---	0.0	---	3.6	0.0	---	9.2	5.7	7.5	16.0	12.8	14.0
4	---	0.0	---	3.5	1.3	2.2	9.1	3.7	6.4	16.6	10.8	13.4
5	---	---	---	4.1	0.0	---	9.4	5.5	7.2	15.6	10.0	12.6
6	---	0.0	---	5.6	0.9	3.2	9.1	5.2	7.1	16.5	9.1	12.8
7	---	0.0	---	5.0	2.2	3.5	12.3	5.1	8.4	16.7	12.4	14.3
8	---	0.0	---	6.0	2.6	4.1	14.1	6.8	10.3	15.4	12.3	13.7
9	---	---	---	6.6	2.3	3.9	15.9	8.2	11.9	12.8	10.5	11.8
10	---	---	---	6.6	2.3	4.3	17.1	9.4	13.2	14.1	9.3	11.4
11	---	---	---	7.3	2.2	4.7	18.0	10.8	14.4	17.5	9.8	13.4
12	---	---	---	8.1	3.7	5.9	16.3	11.3	13.9	19.7	12.2	15.7
13	---	---	---	10.3	3.9	7.1	17.2	11.0	14.0	20.7	14.5	17.5
14	---	---	---	8.9	5.8	6.8	15.2	11.3	13.7	21.4	14.8	18.0
15	---	---	---	7.2	4.7	6.0	13.8	10.7	12.3	19.8	16.0	17.8
16	---	0.0	---	9.7	5.4	7.2	15.4	8.6	12.0	22.5	15.1	18.7
17	---	0.0	---	8.2	6.3	7.1	15.3	11.2	12.9	20.0	16.8	18.3
18	---	0.0	---	7.5	5.4	6.2	14.0	9.6	11.6	20.9	15.3	17.5
19	---	0.0	---	8.5	5.1	6.8	13.6	9.5	11.3	19.8	13.8	16.6
20	---	0.0	---	8.6	6.0	7.2	16.9	9.6	13.0	20.5	13.6	17.0
21	---	0.0	---	11.9	5.5	8.5	15.8	11.0	13.4	21.5	14.9	18.1
22	---	0.0	---	13.2	7.0	10.0	14.7	11.8	13.1	23.3	15.5	19.4
23	---	0.0	---	12.7	8.4	10.5	13.3	9.7	11.3	24.8	17.1	20.9
24	---	---	---	13.2	9.5	11.0	16.6	8.8	12.5	24.5	18.4	21.3
25	---	---	---	12.9	7.4	10.1	18.5	11.6	15.0	22.4	17.5	20.1
26	---	---	---	11.6	8.1	9.6	17.5	12.6	15.0	25.1	18.5	21.5
27	---	---	---	8.1	5.3	6.5	14.4	11.2	12.7	26.0	18.7	22.3
28	---	---	---	9.0	3.8	6.2	13.7	9.9	11.7	24.2	20.1	22.4
29	---	---	---	---	4.3	---	12.8	9.1	10.9	23.1	19.8	21.4
30	---	---	---	---	5.9	---	13.6	8.3	11.5	23.4	19.4	21.2
31	---	---	---	14.5	7.9	10.9	---	---	---	24.2	19.4	21.8
MONTH	---	0.0	---	14.5	0.0	6.8	18.5	3.7	11.7	26.0	9.1	17.2

09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26.6	20.0	22.8	27.5	21.8	24.8	28.0	21.1	24.4	---	---	---
2	24.4	19.0	21.6	28.6	20.8	24.6	25.8	22.3	24.2	23.9	---	---
3	23.3	17.5	20.1	28.8	21.4	25.2	26.9	21.6	24.1	25.8	18.7	22.0
4	23.6	16.4	19.8	28.6	21.3	24.8	28.1	22.0	25.1	---	---	---
5	24.3	17.3	20.7	28.5	21.1	24.6	28.5	22.2	25.4	---	---	---
6	24.4	18.1	21.0	28.5	21.2	24.6	27.7	21.8	24.5	---	---	---
7	23.4	17.2	20.2	27.9	21.4	24.4	---	---	---	---	---	---
8	25.1	17.5	21.1	26.3	21.2	23.9	28.1	16.7	22.8	21.5	18.6	20.3
9	22.2	19.1	20.2	27.2	19.1	23.1	29.0	21.3	24.9	21.1	18.2	19.4
10	23.2	17.2	20.1	28.8	20.7	24.6	29.3	22.7	25.7	20.0	16.7	18.3
11	23.0	18.1	20.6	28.1	21.6	24.6	---	---	---	19.8	15.2	17.5
12	21.9	18.4	20.0	27.3	21.2	24.0	28.5	22.5	24.8	19.7	15.2	17.3
13	22.8	17.2	20.1	25.9	20.6	23.4	30.6	21.6	25.1	19.1	14.7	16.8
14	24.9	17.3	21.0	28.1	20.7	23.9	---	---	---	18.6	13.6	16.2
15	26.4	19.2	22.8	26.4	21.7	23.8	27.6	21.4	25.0	19.1	13.7	16.3
16	24.4	20.5	22.8	27.2	21.2	24.1	26.0	21.8	23.8	19.9	15.8	17.6
17	24.8	19.4	22.0	28.6	21.8	25.2	27.2	20.6	23.6	17.5	13.4	16.1
18	26.0	19.7	22.4	32.3	24.0	27.5	---	---	---	---	---	---
19	25.0	19.6	22.1	30.8	23.5	26.6	---	---	---	17.3	---	---
20	22.5	18.9	20.8	29.0	23.6	26.2	---	---	---	17.0	12.2	14.5
21	22.5	18.0	20.3	30.5	22.6	26.6	---	---	---	17.0	12.2	14.6
22	22.8	17.9	20.2	30.0	23.5	26.7	---	---	---	17.5	12.5	15.0
23	22.6	17.7	20.0	29.5	23.7	26.4	---	---	---	17.7	12.7	15.1
24	19.9	17.2	18.6	29.3	22.8	25.8	27.8	---	---	17.6	12.8	15.2
25	22.7	15.5	18.9	29.7	22.9	26.3	28.8	---	---	17.1	12.3	14.8
26	24.3	17.1	20.6	30.5	23.4	26.7	27.6	---	---	17.8	12.9	15.3
27	26.1	18.7	22.3	30.3	23.9	26.9	25.6	---	---	18.0	13.4	15.8
28	26.8	19.8	23.2	29.6	23.5	26.4	---	---	---	18.5	14.0	16.2
29	27.0	19.9	23.4	29.3	22.6	25.7	---	---	---	18.5	14.1	16.4
30	27.5	21.0	24.3	31.0	22.4	26.1	---	---	---	18.3	14.2	16.4
31	---	---	---	27.4	22.7	24.6	24.2	---	---	---	---	---
MONTH	27.5	15.5	21.1	32.3	19.1	25.2	30.6	16.7	24.5	25.8	12.2	16.7

09302000 DUCHESNE RIVER NEAR RANDLETT, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.5	6.0	1.0	0.0	0.0	6.0	9.5	13.0	16.0	22.5	20.5	19.5
2	12.0	6.5	0.0	0.0	0.0	6.0	10.5	13.0	16.5	23.5	27.5	19.0
3	12.0	6.0	0.0	0.0	0.5	6.0	10.0	13.5	16.5	24.0	19.5	20.5
4	11.5	6.0	0.5	0.0	0.0	7.5	10.0	13.0	16.0	24.5	20.0	23.0
5	11.0	6.0	0.0	0.0	1.0	8.0	11.0	14.0	17.0	24.0	21.0	18.5
6	11.5	6.0	0.0	0.0	1.0	6.0	11.0	15.5	18.0	24.5	27.5	19.0
7	11.5	5.0	1.5	0.0	0.5	6.0	10.0	15.0	18.0	24.5	23.0	19.0
8	11.0	5.0	0.0	0.0	0.5	8.0	10.0	14.5	19.5	26.0	23.0	18.0
9	10.0	5.0	0.0	0.0	0.5	8.0	11.0	14.5	21.0	23.5	23.5	16.0
10	10.0	4.0	0.5	0.0	0.0	7.5	10.0	14.0	21.0	24.5	19.5	14.0
11	9.0	4.0	1.5	0.0	0.0	7.5	11.0	14.5	21.5	26.5	27.5	14.0
12	9.0	3.5	0.5	0.0	0.5	7.5	11.0	15.5	21.0	27.0	21.0	13.5
13	8.0	3.0	1.0	0.0	1.0	8.0	13.0	14.0	24.0	27.0	21.5	13.0
14	7.5	3.0	2.5	0.0	1.0	7.5	15.5	14.0	22.5	24.0	21.0	12.5
15	7.0	3.0	2.0	0.0	1.0	7.0	14.0	13.5	24.0	24.5	21.5	12.0
16	7.0	2.0	2.0	0.0	1.0	7.5	15.0	14.0	24.0	27.5	21.5	12.0
17	9.0	2.0	1.0	0.0	1.5	7.5	15.5	13.0	23.0	27.5	22.5	13.0
18	7.0	2.0	2.0	0.0	1.5	7.0	13.5	13.0	23.5	27.5	21.0	12.0
19	7.0	2.0	0.0	0.0	3.5	7.0	13.0	13.0	24.0	24.0	26.0	12.0
20	6.5	2.0	0.0	0.0	3.5	7.0	14.5	13.5	23.5	25.0	27.0	13.0
21	6.5	2.0	0.0	0.0	4.0	6.0	15.0	13.0	23.0	27.0	27.0	13.0
22	11.5	2.0	0.0	1.0	6.0	6.0	13.5	18.5	23.5	19.5	27.5	13.0
23	6.5	2.0	0.0	1.0	5.5	7.0	13.5	19.0	22.5	24.0	23.0	12.0
24	7.0	2.0	0.0	0.0	5.5	7.5	13.5	19.0	23.5	24.0	22.0	12.0
25	6.5	1.5	0.0	0.0	6.0	7.5	13.0	22.5	22.5	24.5	23.5	12.0
26	6.5	1.5	0.0	0.0	5.5	8.0	15.0	21.0	23.5	27.5	21.5	12.0
27	7.0	1.5	0.0	1.0	6.0	8.0	15.0	21.5	24.0	27.5	20.5	12.0
28	7.0	1.5	0.0	1.0	5.0	8.5	15.5	24.0	23.5	25.0	17.5	12.0
29	7.0	1.0	1.5	0.5	---	8.5	15.0	27.0	24.0	27.5	19.0	12.0
30	6.5	1.0	0.0	0.5	---	8.5	13.0	26.5	24.0	24.5	19.5	13.0
31	6.5	---	0.0	---	---	9.0	---	26.0	---	27.5	20.5	---
MAX	12.5	6.5	2.5	1.0	6.0	9.0	15.5	27.0	24.0	27.5	27.5	23.0
MIN	6.5	1.0	0.0	0.0	0.0	6.0	9.5	13.0	16.0	19.5	17.5	12.0

09306500 WHITE RIVER NEAR WATSON, UTAH

LOCATION.--Lat 39°58'44", long 109°10'41" , in SE¼SW¼NE¼ 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^2, 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 since 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^3/s, Jul 15, 1929; maximum gage height, 13.1 ft, Feb 11, 1962, from floodmark in well (backwater from ice); minimum, 11 ft^3/s, Dec 6, 1972, result of freezeup.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 3	----	4,230	6.74				

Minimum discharge, 92 ft^3/s, Aug 13, 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	317	349	e250	e380	e355	383	323	792	3,370	686	186	198
2	315	343	e265	e330	e355	317	327	784	3,440	658	216	160
3	340	336	e310	e300	e365	303	341	702	3,950	641	168	244
4	364	337	e320	e270	e370	306	370	642	3,780	590	160	153
5	386	310	e320	e260	e335	327	393	600	3,260	599	164	244
6	360	297	e250	e290	e285	350	360	662	2,880	558	152	150
7	e335	316	e290	e285	e270	354	349	618	2,580	513	153	268
8	311	310	e280	e300	e250	438	351	548	2,290	505	110	219
9	316	336	e220	e220	e185	662	339	550	2,070	458	142	251
10	308	363	e195	e275	e165	993	324	545	1,950	377	106	379
11	298	e389	e175	e305	e180	452	334	585	1,950	345	114	276
12	297	360	e190	e345	e215	412	361	512	1,920	329	160	536
13	288	344	e185	e470	312	438	400	463	1,790	312	100	385
14	289	311	e185	e470	318	434	448	426	1,710	313	123	388
15	286	312	e205	e380	368	483	524	545	1,570	302	269	400
16	293	340	e230	e355	585	445	594	722	1,510	274	175	401
17	292	331	e240	e350	758	441	626	1,010	1,470	258	161	361
18	289	296	e230	e310	506	426	585	1,360	1,360	256	146	355
19	291	303	e220	e295	459	395	537	1,730	1,310	260	127	317
20	294	327	e200	e285	449	336	539	1,810	1,290	267	238	354
21	299	307	e170	e295	409	291	495	1,760	1,480	291	190	383
22	288	316	e140	e330	402	290	466	1,840	1,440	285	178	339
23	290	311	e125	e375	451	304	464	1,940	1,260	246	163	300
24	318	307	e110	e420	385	295	486	2,150	1,130	246	176	353
25	357	327	e105	e500	311	290	516	2,340	1,050	220	190	320
26	371	e260	e110	e465	316	318	502	2,400	997	231	208	306
27	334	e240	e210	e460	349	312	486	2,420	940	217	210	307
28	326	e235	e240	e450	391	315	591	2,540	853	245	177	281
29	329	e230	e270	e435	---	e315	647	2,800	785	226	199	266
30	331	e220	e320	e415	---	297	732	3,090	732	200	156	274
31	336	---	e375	e375	---	e306	---	3,300	---	187	241	---
TOTAL	9,848	9,363	6,935	10,995	10,099	12,028	13,810	42,186	56,117	11,095	5,258	9,168
MEAN	318	312	224	355	361	388	460	1,361	1,871	358	170	306
MAX	386	389	375	500	758	993	732	3,300	3,950	686	269	536
MIN	286	220	105	220	165	290	323	426	732	187	100	150
AC-FT	19,530	18,570	13,760	21,810	20,030	23,860	27,390	83,680	111,300	22,010	10,430	18,180

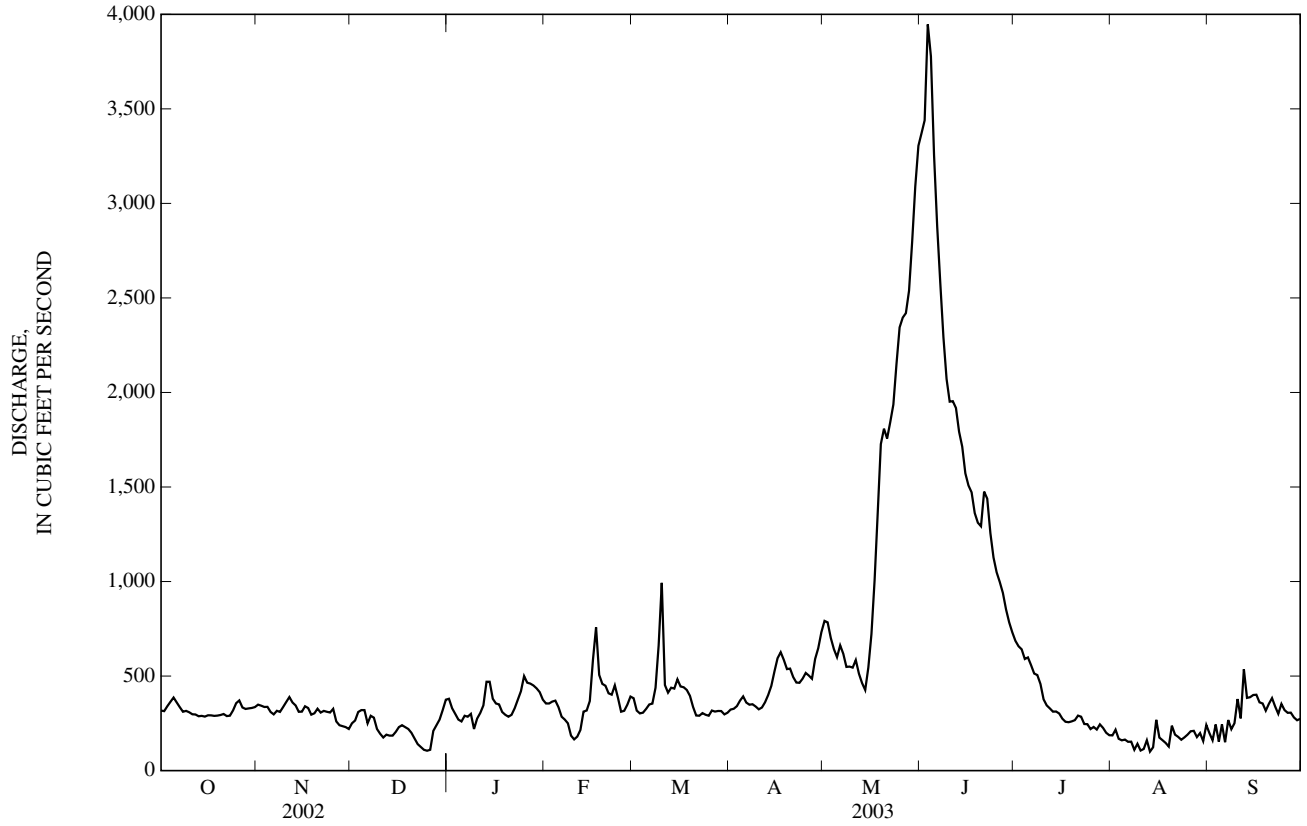
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1923-79, 1986-2003, BY WATER YEAR (WY)

MEAN	468	428	362	357	425	575	706	1,597	1,801	714	471	435
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1923-79, 1986-2003	
ANNUAL TOTAL	105,374		196,902			
ANNUAL MEAN	289		539		694	
HIGHEST ANNUAL MEAN					1,736	1929
LOWEST ANNUAL MEAN					298	2002
HIGHEST DAILY MEAN	677	May 10	3,950	Jun 3	8,160	Jul 15, 1929
LOWEST DAILY MEAN	19	Jul 20	100	Aug 13	13	Jul 3, 1977
ANNUAL SEVEN-DAY MINIMUM	30	Jul 17	122	Aug 8	30	Jul 17, 2002
ANNUAL RUNOFF (AC-FT)	209,000		390,600		502,900	
10 PERCENT EXCEEDS	506		1,270		1,580	
50 PERCENT EXCEEDS	307		330		445	
90 PERCENT EXCEEDS	79		186		281	

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 2002 TO SEPTEMBER 2003

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)	Specif. 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											
03...	1255	2.32	410	632	105	9.2	8.4	867	10.6	12.4	620
NOV											
13...	1125	2.17	347	638	109	12.2	8.6	703	1.3	3.3	485
JAN											
08...	1045	--	296	635	99	12.0	8.3	780	--	0.0	517
MAR											
05...	1145	2.09	325	630	114	12.8	8.4	734	--	2.8	505
APR											
17...	1210	2.68	603	630	105	9.3	8.4	720	--	11.9	503
MAY											
22...	1350	4.37	1,970	643	100	8.5	7.8	380	32.0	14.8	--
JUN											
05...	1235	5.76	3,160	643	98	8.2	7.8	309	32.0	15.6	204
JUL											
17...	1140	2.05	260	641	120	8.3	8.3	574	41.0	24.4	370
AUG											
26...	1220	1.87	214	640	124	8.7	8.1	765	29.0	23.8	498
SEP											
08...	1820	1.89	223	632	138	10.3	8.3	771	25.5	20.1	520

Date	Time	Hardness, water, unfltrd mg/L as CaCO3 (00900)	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)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
SEP													
08...	1820	310	72.4	31.2	2.45	1	49.1	25	170	14.7	0.3	11.1	194

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Carbon dioxide water, unfltrd mg/L (00405)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue water, fltrd, sum of constituents mg/L (70301)	Boron, water, fltrd, ug/L (01020)	Selenium, water, fltrd, ug/L (01145)
SEP										
08...	<0.04	<0.06	<0.008	<0.02	1.6	0.71	313	477	63	0.6

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

09309600 FAIRVIEW TUNNEL NEAR FAIRVIEW, UT (Transmountain diversion)

LOCATION.--Lat 39°40'03", long 111°18'41", in NW¼NW¼NE¼ 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^3/s, Jun 17, 1993, gage height, 2.46 ft; no flow many days each year.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e0.32	e1.2	e0.00	12	14	8.3
2	---	---	---	---	---	---	e0.38	e1.4	e0.00	12	14	8.2
3	---	---	---	---	---	---	e0.30	e2.5	0.00	12	14	8.0
4	---	---	---	---	---	---	e0.14	e2.3	0.00	12	13	6.7
5	---	---	---	---	---	---	e0.17	e1.8	2.7	12	11	5.9
6	---	---	---	---	---	---	e0.19	e1.5	5.7	13	12	0.46
7	---	---	---	---	---	---	e0.19	e2.1	5.3	12	13	0.94
8	---	---	---	---	---	---	e0.22	e2.0	5.1	12	13	5.1
9	---	---	---	---	---	---	e0.36	e1.7	4.7	12	12	5.3
10	---	---	---	---	---	---	e0.42	e1.7	4.4	13	11	5.5
11	---	---	---	---	---	---	e0.56	e1.3	4.3	14	11	5.3
12	---	---	---	---	---	---	e0.63	e2.1	4.2	16	10	5.2
13	---	---	---	---	---	---	e0.80	e7.6	4.0	15	10	5.1
14	---	---	---	---	---	---	e0.92	e11	3.7	15	10	5.1
15	---	---	---	---	---	---	e0.76	e20	3.5	15	10	5.1
16	---	---	---	---	---	---	e0.35	e28	3.4	16	10	5.1
17	---	---	---	---	---	---	e0.59	31	3.3	16	10	5.2
18	---	---	---	---	---	---	e0.55	e37	3.1	16	9.9	5.3
19	---	---	---	---	---	---	e0.61	21	3.8	15	9.6	5.2
20	---	---	---	---	---	---	e0.56	e5.0	8.6	15	9.5	5.0
21	---	---	---	---	---	---	e0.64	e1.5	8.2	15	9.5	5.0
22	---	---	---	---	---	---	e0.47	0.91	7.8	15	9.7	4.9
23	---	---	---	---	---	---	e0.33	0.89	7.3	15	8.6	4.9
24	---	---	---	---	---	---	e1.0	1.6	7.6	15	7.3	4.8
25	---	---	---	---	---	---	e1.6	1.4	7.1	15	6.7	3.8
26	---	---	---	---	---	---	e1.9	1.3	6.9	14	6.3	0.42
27	---	---	---	---	---	---	e1.7	1.2	7.0	14	5.7	0.26
28	---	---	---	---	---	---	e1.5	1.1	9.8	14	5.1	0.25
29	---	---	---	---	---	---	e1.6	1.0	11	14	4.6	0.25
30	---	---	---	---	---	---	e1.4	1.1	12	14	6.0	0.26
31	---	---	---	---	---	---	---	e0.30	---	14	8.2	---
TOTAL	---	---	---	---	---	---	21.16	194.50	154.50	434	304.7	130.84
MEAN	---	---	---	---	---	---	0.71	6.27	5.15	14.0	9.83	4.36
MAX	---	---	---	---	---	---	1.9	37	12	16	14	8.3
MIN	---	---	---	---	---	---	0.14	0.30	0.00	12	4.6	0.25
AC-FT	---	---	---	---	---	---	42	386	306	861	604	260

e Estimated

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT

LOCATION.--Lat 39°42'57", long 111°17'58", in NW¼SE¼SW¼ sec. 6, T. 13 S., R. 6 E., Sanpete County, Hydrologic Unit 14060007, on left bank 300 ft downstream from old Mammoth Dam, 5.5 mi upstream from mouth, and 7 mi west of Scofield.

DRAINAGE AREA.--16.8 mi^2.

PERIOD OF RECORD.--October 1930 to September 1931, May 1940 to September 2003 (discontinued).

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

GAGE.--Water-stage recorder. Elevation of gage is 8,400 ft above NGVD of 1929, from topographic map. October 1930 to September 1931, at different datum, May 1940 to September 1954, at datum 0.50 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Transmountain diversion above station for irrigation in Sevier River basin, part of which is water diverted into Gooseberry Creek from Boulger Creek. A small reservoir on Gooseberry Creek 5 mi above station, capacity about 1,900 acre-ft is used to regulate these diversions. Flow also affected by small reservoir 1 mi above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 419 ft^3/s, May 22, 1984; maximum gage height, 3.37 ft May 27, 1986; no flow Nov 11, 1964, Sep 23-26, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 246 ft^3/s, May 18, gage height, 2.78 ft; minimum daily discharge, 0.24 ft^3/s, Dec 14.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.0	2.3	e0.98	e0.49	1.5	e1.7	2.4	25	82	10	3.4	3.3
2	4.3	2.2	e0.80	e0.47	2.3	e1.8	e2.8	28	73	9.4	3.8	3.3
3	7.7	1.8	e0.75	e0.51	2.3	e1.8	e2.6	38	65	9.0	5.7	3.0
4	5.0	1.5	e0.60	e0.57	e1.7	e2.0	e2.4	33	59	8.5	4.6	2.7
5	4.1	1.2	e0.49	e0.62	e1.4	e1.9	e2.6	27	52	8.1	3.9	3.5
6	4.2	1.1	e0.44	e0.66	e1.7	e1.9	e2.3	24	41	7.6	3.4	3.6
7	4.4	1.2	e0.35	e0.70	e1.8	1.9	e1.9	28	37	7.2	3.3	2.8
8	4.0	2.6	e0.33	e0.75	e1.7	e1.7	e1.8	30	34	6.8	3.0	2.6
9	3.4	5.6	e0.28	e0.73	e1.6	e2.0	e1.9	26	31	6.2	3.1	2.5
10	3.0	4.1	e0.27	e0.71	e1.4	e1.9	e2.3	23	29	6.1	3.1	3.6
11	2.7	3.4	e0.28	e0.73	e1.5	e1.9	e4.1	21	27	5.9	3.2	3.4
12	2.3	2.8	e0.28	0.73	e1.6	e2.1	6.3	27	26	5.6	3.0	2.9
13	2.3	2.6	e0.26	e0.78	1.7	2.4	9.3	45	25	5.6	3.1	2.3
14	2.1	2.6	e0.24	e0.82	1.9	2.8	13	68	23	5.3	2.9	2.2
15	2.2	2.5	e0.26	0.85	1.9	e2.8	13	101	21	5.1	3.5	2.5
16	2.2	2.3	e0.28	e0.83	e1.7	3.0	e10	138	20	5.0	3.5	2.7
17	2.1	2.3	e0.36	0.85	e1.7	e3.2	e9.9	161	20	5.0	3.4	2.1
18	2.1	2.1	e0.41	e0.91	e1.6	e2.9	11	210	19	5.5	2.9	2.0
19	2.1	2.0	e0.41	e0.90	e1.5	e2.5	8.8	179	18	5.6	2.7	2.3
20	2.1	1.9	e0.46	e0.90	1.6	2.3	e8.3	163	17	5.0	2.6	2.3
21	2.2	1.7	e0.49	e0.96	1.7	e2.1	11	180	16	4.8	3.0	2.3
22	2.2	1.4	e0.47	1.0	e1.8	e2.1	12	186	16	4.7	3.5	2.8
23	2.5	1.5	e0.46	1.00	e1.8	2.5	e12	180	15	5.1	4.2	2.7
24	2.9	1.7	e0.45	1.0	e1.9	e3.0	14	168	18	5.2	3.3	3.2
25	3.0	e1.8	e0.46	1.1	e2.0	e2.6	24	157	19	4.6	3.6	3.1
26	2.8	e1.7	e0.40	e1.2	e2.0	e2.4	37	147	15	4.2	4.1	3.0
27	2.6	e1.4	e0.41	e1.2	e1.9	e2.0	40	134	14	3.9	4.6	3.0
28	2.6	e1.3	e0.43	e1.2	e1.8	e1.7	38	123	13	3.4	4.8	3.0
29	2.7	e1.2	e0.46	e1.3	---	e1.7	36	114	12	3.2	5.7	3.1
30	2.8	e1.2	e0.48	e1.3	---	e1.8	34	104	11	3.3	7.5	2.9
31	2.5	---	e0.49	1.4	---	e1.9	---	93	---	3.4	5.3	---
TOTAL	94.1	63.0	13.53	27.17	49.0	68.3	374.7	2,981	868	178.3	117.7	84.7
MEAN	3.04	2.10	0.44	0.88	1.75	2.20	12.5	96.2	28.9	5.75	3.80	2.82
MAX	7.7	5.6	0.98	1.4	2.3	3.2	40	210	82	10	7.5	3.6
MIN	2.1	1.1	0.24	0.47	1.4	1.7	1.8	21	11	3.2	2.6	2.0
AC-FT	187	125	27	54	97	135	743	5,910	1,720	354	233	168

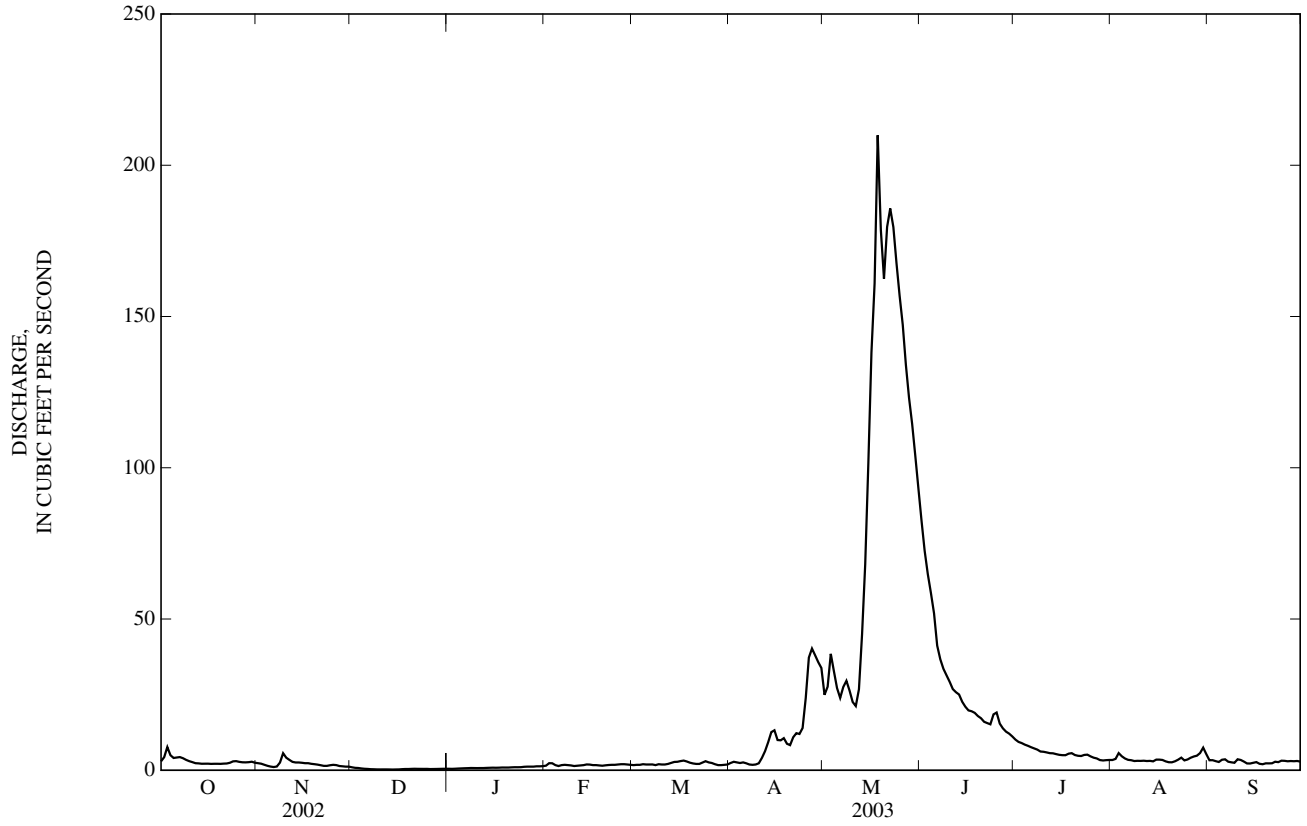
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1941 - 2003, BY WATER YEAR (WY)

MEAN	4.80	4.50	3.68	3.31	3.33	4.21	18.4	100	58.8	13.4	7.01	4.94
MAX	13.5	11.6	9.00	7.83	7.37	10.6	55.4	239	239	47.9	16.7	14.1
(WY)	(1983)	(1983)	(1942)	(1984)	(1984)	(1972)	(1942)	(1952)	(1983)	(1983)	(1965)	(1965)
MIN	0.65	1.92	0.44	0.22	0.53	0.95	3.37	12.9	9.35	3.75	1.96	1.89
(WY)	(1979)	(1991)	(2003)	(2001)	(2002)	(2002)	(1975)	(1977)	(1992)	(1977)	(1977)	(1977)

09310000 GOOSEBERRY CREEK NEAR SCOFIELD, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1941 - 2003	
ANNUAL TOTAL	3,032.77		4,919.50			
ANNUAL MEAN	8.31		13.5		19.0	
HIGHEST ANNUAL MEAN					40.7	1952
LOWEST ANNUAL MEAN					4.65	1977
HIGHEST DAILY MEAN	92	May 6	210	May 18	419	May 22, 1984
LOWEST DAILY MEAN	0.24	Dec 14	0.24	Dec 14	0.00	Sep 23, 1966
ANNUAL SEVEN-DAY MINIMUM	0.27	Dec 9	0.27	Dec 9	0.06	Sep 22, 1966
ANNUAL RUNOFF (AC-FT)	6,020		9,760		13,760	
10 PERCENT EXCEEDS	24		29		49	
50 PERCENT EXCEEDS	2.2		2.8		5.0	
90 PERCENT EXCEEDS	0.50		0.72		2.5	

e Estimated



09310500 FISH CREEK ABOVE RESERVOIR, NEAR SCOFIELD, UT

LOCATION.--Lat 39°46'28", long 111°11'25", in NW¼NE¼SW¼ 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^2.

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^3/s, May 21, 1984, gage height, 6.20 ft; minimum recorded, 0.6 ft^3/s, Oct 31, 1960.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 18	2300	*455	*3.11				

Minimum daily discharge, 5.0 ft^3/s, Aug 20, Sep 26, 27, 28, 29.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	e5.8	e7.0	e6.5	e9.3	e5.3	e15	73	159	22	12	8.3
2	10	e5.6	e8.0	e6.2	e11	e4.9	e18	73	140	21	13	7.4
3	16	e5.4	e7.6	e6.3	e9.4	e5.3	e14	86	126	21	19	7.2
4	12	e5.2	e7.3	e7.1	e8.4	e5.7	e12	82	115	20	13	6.7
5	11	e4.9	e6.7	e8.0	e7.5	e5.8	e13	74	105	19	9.5	7.3
6	11	e4.8	e6.4	e7.8	e7.3	e5.7	e13	68	90	18	7.4	8.4
7	10	e5.1	e6.0	e7.7	e7.0	e5.5	e13	71	83	18	7.1	7.6
8	9.4	e7.0	e5.9	e8.3	e5.6	e6.9	e14	78	78	17	7.0	6.8
9	8.5	e15	e5.8	e7.7	e4.8	e7.9	e15	76	74	16	7.0	6.8
10	7.7	e14	e6.3	e7.6	e4.5	e9.9	16	71	70	17	6.9	8.8
11	6.8	e13	e6.4	e7.3	e5.1	e9.7	23	71	64	16	6.7	9.0
12	6.2	e12	e6.4	e6.8	e5.5	e11	30	77	63	16	6.6	7.5
13	5.9	e11	e6.4	e6.6	e6.0	e14	37	103	61	15	6.6	6.7
14	5.7	e11	e6.6	e6.9	e6.6	e18	43	154	57	15	6.2	6.2
15	5.5	e10	e7.0	e7.5	e6.9	e12	44	208	54	14	7.4	6.1
16	5.6	e9.9	e6.5	e7.1	e6.5	e8.9	35	270	52	14	7.6	6.0
17	5.6	e9.8	e5.9	e6.9	e6.3	e7.9	35	325	50	14	6.8	6.1
18	5.4	e9.6	e5.5	e7.0	e6.2	e6.9	36	393	49	15	6.0	5.5
19	5.3	e9.0	e5.5	e7.7	e5.9	e7.0	32	373	48	15	5.2	5.7
20	5.3	e9.5	e5.2	e8.5	e6.4	e8.1	32	342	47	14	5.0	5.8
21	5.1	e9.6	e5.3	e7.9	e6.5	e8.0	37	349	44	14	5.6	5.8
22	5.5	e11	e5.5	e7.5	e6.3	e9.0	40	359	43	13	9.2	5.8
23	5.8	e11	e5.3	e7.9	e5.8	e11	41	355	42	14	10	5.8
24	6.7	e10	e5.1	e8.1	e5.7	e13	44	338	47	14	8.5	5.5
25	7.0	e9.5	e5.4	e8.5	e5.9	e12	62	314	48	13	8.0	5.2
26	6.7	e9.0	e5.5	e8.8	e6.0	e11	84	296	40	12	8.4	5.0
27	6.4	e9.5	e6.5	e8.5	e5.8	e9.9	91	269	35	12	8.7	5.0
28	6.2	e8.9	e7.0	e8.1	e5.6	e7.9	89	247	31	12	8.7	5.0
29	e5.9	e8.5	e7.0	e7.9	---	e8.4	86	223	28	11	9.2	5.0
30	e6.2	e9.5	e6.6	e8.2	---	e9.1	86	203	25	11	12	5.1
31	e6.0	---	e6.6	e8.7	---	e10	---	180	---	12	11	---
TOTAL	226.5	274.1	194.2	235.6	183.8	275.7	1,150	6,201	1,968	475	265.3	193.1
MEAN	7.31	9.14	6.26	7.60	6.56	8.89	38.3	200	65.6	15.3	8.56	6.44
MAX	16	15	8.0	8.8	11	18	91	393	159	22	19	9.0
MIN	5.1	4.8	5.1	6.2	4.5	4.9	12	68	25	11	5.0	5.0
AC-FT	449	544	385	467	365	547	2,280	12,300	3,900	942	526	383

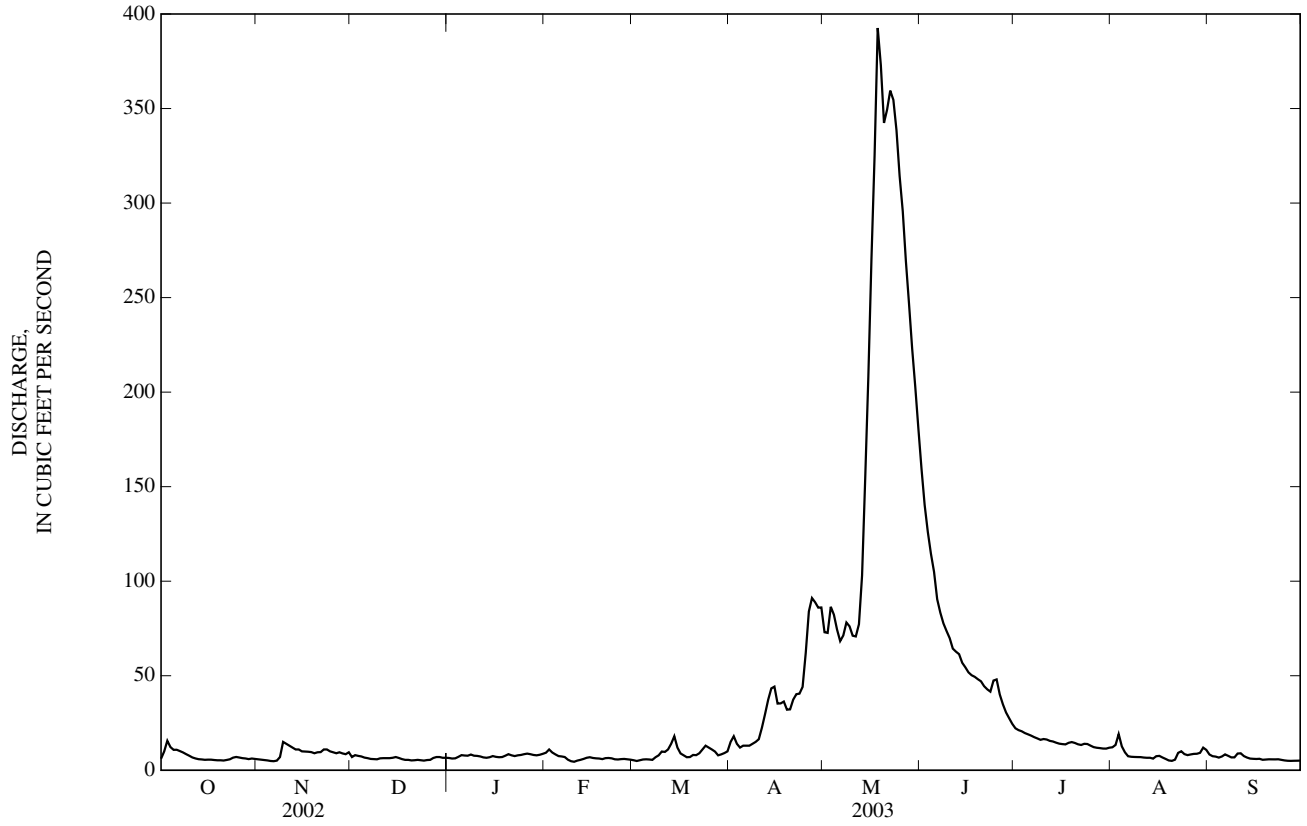
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2003, BY WATER YEAR (WY)

MEAN	11.5	11.3	9.60	8.78	9.22	13.0	60.5	262	136	29.7	14.6	11.1
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1939 - 2003	
ANNUAL TOTAL	7,678.2		11,642.3			
ANNUAL MEAN	21.0		31.9		48.3	
HIGHEST ANNUAL MEAN					113	1983
LOWEST ANNUAL MEAN					10.2	1977
HIGHEST DAILY MEAN	170	May 7	393	May 18	1,310	May 22, 1984
LOWEST DAILY MEAN	3.0	Feb 16	4.5	Feb 10	2.6	Jan 31, 1979
ANNUAL SEVEN-DAY MINIMUM	3.2	Feb 12	5.1	Sep 24	2.8	Jan 29, 1979
ANNUAL RUNOFF (AC-FT)	15,230		23,090		35,010	
10 PERCENT EXCEEDS	63		76		125	
50 PERCENT EXCEEDS	7.0		8.7		12	
90 PERCENT EXCEEDS	3.8		5.5		6.8	

e Estimated



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

LOCATION.--Lat 39°43'18", long 111°09'38", in SW¼NE¼ 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^2.

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^3/s, May 21, 1984, gage height, 3.30 ft; minimum, 1.4 ft^3/s, Sep 8, 1979.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
(a)May 25	----	*56					

Minimum daily discharge, 5.3 ft^3/s, Sep 3.
(a) Peak is an estimated daily discharge.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	22	23	22	21	23	26	25	43	23	14	8.4
2	e17	20	22	22	21	23	26	27	38	23	13	7.3
3	e17	20	23	22	21	23	26	28	36	23	15	5.3
4	20	22	24	22	23	23	25	27	33	23	9.7	11
5	18	24	24	21	24	23	25	25	34	22	7.8	13
6	17	24	24	21	24	23	25	25	33	21	7.7	12
7	17	23	22	22	25	23	25	26	32	21	8.0	6.0
8	17	24	22	22	25	24	25	26	31	20	8.3	12
9	13	27	22	22	25	27	25	27	29	20	8.7	12
10	12	24	22	22	24	28	27	27	28	21	7.7	11
11	e11	24	22	22	24	28	29	26	29	19	8.6	11
12	e12	24	22	21	25	26	30	27	27	21	8.8	11
13	e13	24	21	21	23	27	31	29	27	22	8.6	9.2
14	e14	24	21	21	22	28	29	33	27	22	8.3	12
15	e15	23	21	21	22	e27	29	37	26	21	8.8	12
16	16	22	21	21	22	e27	27	42	25	22	8.2	13
17	16	23	21	21	22	e26	e26	46	24	22	8.4	12
18	15	21	22	20	21	e27	e25	51	24	21	7.6	9.0
19	16	22	21	20	21	e27	e25	49	26	21	7.8	12
20	17	24	23	20	22	e27	e25	e46	25	22	7.2	12
21	17	24	22	19	22	e28	26	e48	24	21	9.4	12
22	17	22	24	21	22	e28	27	e50	24	22	11	12
23	17	21	22	21	22	e30	26	e52	25	21	8.6	12
24	19	22	22	21	22	e30	28	e54	26	12	8.4	18
25	25	23	23	22	22	e30	29	e56	25	10	8.2	13
26	25	24	23	21	22	e31	29	e53	25	10	7.8	11
27	21	24	22	21	23	e30	28	54	25	19	8.3	12
28	20	23	22	19	23	e29	28	54	25	19	8.6	12
29	23	22	22	20	---	e27	27	52	25	20	9.2	13
30	25	22	22	21	---	28	25	49	22	13	9.9	19
31	24	---	22	22	---	28	---	46	---	11	8.8	---
TOTAL	542	688	689	654	635	829	804	1,217	843	608	280.4	345.2
MEAN	17.5	22.9	22.2	21.1	22.7	26.7	26.8	39.3	28.1	19.6	9.05	11.5
MAX	25	27	24	22	25	31	31	56	43	23	15	19
MIN	11	20	21	19	21	23	25	25	22	10	7.2	5.3
AC-FT	1,080	1,360	1,370	1,300	1,260	1,640	1,590	2,410	1,670	1,210	556	685

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1979-86, 1991-2003, BY WATER YEAR (WY)

MEAN	8.48	8.19	7.35	7.10	7.32	9.77	17.8	54.1	44.6	13.4	8.73	9.31
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1979-86, 1991-2003	
ANNUAL TOTAL	7,849		8,134.6			
ANNUAL MEAN	21.5		22.3		16.4	
HIGHEST ANNUAL MEAN					30.7	1984
LOWEST ANNUAL MEAN					5.52	1981
HIGHEST DAILY MEAN	33	Jun 8	56	May 25	300	May 24, 1984
LOWEST DAILY MEAN	11	Oct 11	5.3	Sep 3	1.6	Sep 8, 1979
ANNUAL SEVEN-DAY MINIMUM	13	Oct 9	8.0	Aug 14	1.6	Jan 11, 1980
ANNUAL RUNOFF (AC-FT)	15,570		16,130		11,860	
10 PERCENT EXCEEDS	25		29		32	
50 PERCENT EXCEEDS	21		22		8.5	
90 PERCENT EXCEEDS	18		11		4.0	

e Estimated

093311000 SCOFIELD RESERVOIR NEAR SCOFIELD, UT

LOCATION.--Lat 39°47'15", long 111°07'30", in NW¼SE¼ sec. 10, T. 12 S., R. 7 E., Carbon County, Hydrologic Unit 14060007, on right bank 200 ft upstream from face of dam on Price River and 4.7 mi northeast of Scofield.

DRAINAGE AREA.--154 mi^2.

PERIOD OF RECORD.--October 1941, April 1942 to September 2003 (discontinued). Fragmentary records 1926-41 in files of Office of State Engineer.

REVISED RECORDS.--WSP 1089: 1946. WDR UT-77-1: Drainage area.

GAGE.--Staff gage read twice daily. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation). Prior to November 8, 1945, at site 800 ft upstream 200 ft from old dam at datum 4.51 ft higher.

REMARKS.--Reservoir is formed by earth and rockfill; rock-faced dam 800 ft downstream from old dam in use prior to November 8, 1945. Storage began in May 1926. Usable capacity of reservoir formed by new dam is 65,780 acre-ft between elevations 7,586.0 ft (bottom of outlet works) and 7,617.5 ft (crest of spillway). Dead storage, 8,000 acre-ft below elevation 7,586.0 ft. Figures given herein represent usable contents. Water used for irrigation in vicinity of Price.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 77,280 acre-ft, Jun 12, 13, 1983, elevation, 7,621.8 ft; minimum observed, 280 acre-ft, Oct 3, 1945, elevation, 7,586.2 ft.

EXTREMES FOR CURRENT YEAR.--Maximum observed contents, 37,000 acre-ft, May 7, elevation, 7,606.5 ft; minimum observed, 8,770 acre-ft, Oct 1-5, elevation, 7592.6 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8,774	9,312	10,600	13,260	15,120	16,630	20,000	23,630	32,580	30,990	21,770	13,630
2	8,774	9,345	10,600	13,440	15,170	16,710	20,120	23,750	32,580	30,700	21,570	13,440
3	8,774	9,394	10,690	13,500	15,230	16,780	20,160	23,880	32,580	30,410	21,360	13,080
4	8,774	9,427	10,690	13,550	15,280	16,860	20,220	24,000	33,680	30,090	21,060	13,080
5	8,774	9,443	10,740	13,610	15,340	16,940	20,280	24,130	34,790	29,800	20,760	12,900
6	8,936	9,460	10,790	13,660	15,400	17,020	20,360	24,250	35,910	29,520	20,460	12,900
7	8,936	9,476	10,840	13,720	15,450	17,090	20,460	24,320	37,000	29,210	20,160	12,710
8	8,936	9,509	10,890	13,780	15,510	17,170	20,560	24,380	34,420	28,880	19,880	12,710
9	8,936	9,526	10,950	13,830	15,570	17,250	20,660	24,440	34,420	28,540	19,600	12,530
10	8,936	9,542	11,050	13,890	15,620	17,400	20,760	24,460	34,180	28,220	19,320	12,530
11	8,936	9,559	11,150	13,940	15,680	17,540	20,860	24,530	33,950	27,890	19,040	12,350
12	9,017	9,575	11,280	14,000	15,740	17,670	20,960	24,590	33,950	27,520	18,770	12,350
13	9,017	9,808	11,380	14,050	15,790	17,810	21,200	24,670	33,720	27,150	18,570	12,180
14	9,017	10,030	11,480	14,110	15,850	17,940	21,450	24,880	33,720	26,800	18,280	12,000
15	9,017	10,260	11,590	14,160	15,910	18,080	21,690	24,990	33,490	26,440	17,980	12,000
16	9,017	10,260	11,700	14,220	15,960	18,220	21,940	25,520	33,420	26,080	17,690	12,000
17	9,017	10,260	11,820	14,280	16,020	18,370	22,180	26,370	33,260	25,730	17,400	12,000
18	9,017	10,260	11,870	14,330	16,060	18,470	22,280	27,890	33,030	25,560	17,600	11,820
19	9,017	10,430	11,940	14,390	16,060	18,570	22,380	29,430	32,850	25,390	17,460	11,820
20	9,033	10,430	12,000	14,440	16,080	18,670	22,490	30,990	32,670	25,220	17,320	11,820
21	9,050	10,430	12,050	14,500	16,080	18,770	22,590	31,890	32,480	25,050	17,190	11,470
22	9,082	10,430	12,120	14,550	16,060	18,860	22,690	30,540	32,350	24,250	16,440	11,470
23	9,115	10,430	12,180	14,610	16,060	18,960	22,800	31,210	32,230	24,040	16,150	11,470
24	9,131	10,430	12,260	14,660	16,150	19,060	22,900	31,280	32,120	23,630	15,870	11,470
25	9,148	10,430	12,350	14,720	16,250	19,160	23,000	32,580	32,000	23,210	15,590	11,290
26	9,180	10,430	12,440	14,780	16,340	19,280	23,110	33,030	31,780	22,800	15,680	11,290
27	9,196	10,430	12,530	14,830	16,440	19,400	23,210	33,490	31,550	22,630	16,340	11,290
28	9,213	10,430	12,620	14,890	16,540	19,520	23,320	33,950	31,440	22,470	14,370	11,120
29	9,229	10,430	12,710	14,950	---	19,640	23,420	34,180	31,440	22,300	14,180	11,120
30	9,246	10,520	12,810	15,000	---	19,760	23,520	32,120	31,440	22,180	14,000	11,120
31	9,262	---	12,900	15,060	---	19,880	---	32,580	---	21,980	13,810	---
MAX	9,260	10,500	12,900	15,100	16,500	19,900	23,500	34,200	37,000	31,000	21,800	13,600
MIN	8,770	9,310	10,600	13,300	15,100	16,600	20,000	23,600	31,400	22,000	13,800	11,100
(#)	7,592.9	7,593.6	7,595.0	7,596.2	7,597.0	7,598.7	7,600.4	7,604.6	7,604.1	7,599.7	7,595.5	7,594.0
(*)	+488	+1,258	+2,380	+2,160	+1,480	+3,340	+3,640	+9,060	-1,140	-9,460	-8,170	-2,690

CAL YR 2002.....(*) -10,890
WTR YR 2003.....(*) +2,346

(#) Elevation in feet, at end of month.
(*) Change in contents, in acre-feet.

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

LOCATION.--Lat 39°52'33", long 111°02'12", in NE¼SE¼SW¼ sec. 9, T. 11 S., R. 8 E., Utah County, Hydrologic Unit 14060007, 50 ft downstream from bridge on U.S. Highways 6-50, 1.5 mi downstream from Tabbyune Creek, 2.5 mi northwest of the Colton railroad siding, and 4.5 mi southeast of Soldier Summit.

DRAINAGE AREA.--75.6 mi^2.

PERIOD OF RECORD.--May 1967 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,230 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 962 ft^3/s, May 27, 1983, gage height, 5.82 ft; no flow many days Aug and Sep 1977 and 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	1215	104	2.35	Aug 29	1800	*162	*2.76

Minimum daily discharge, 1.7 ft^3/s, Sep 17.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	e2.2	e4.7	e3.0	e3.6	5.1	23	55	37	12	3.0	2.9
2	2.2	e2.2	e4.5	e2.8	e3.1	5.3	23	54	34	11	3.1	2.7
3	4.2	e2.0	e4.5	e2.9	e2.8	6.3	18	56	32	10	4.5	2.5
4	4.5	e2.1	e4.5	e3.0	e2.7	6.6	15	58	31	9.8	3.8	2.4
5	3.0	e2.2	e4.6	e3.2	e2.6	6.1	15	59	29	9.5	3.2	2.2
6	2.6	e2.3	e4.3	e3.1	e2.5	5.6	e13	53	28	8.9	2.7	2.7
7	2.4	e2.4	e4.3	e2.9	e2.4	e6.6	14	52	26	8.4	2.6	3.2
8	2.2	2.5	e3.9	e3.0	e2.3	e8.0	14	55	25	7.8	2.6	3.1
9	2.2	e2.3	e4.0	e3.1	e2.5	e9.0	18	58	26	7.5	3.1	3.0
10	2.2	e2.3	e4.2	e3.2	e2.8	e10	24	59	25	7.0	3.5	3.9
11	2.1	e2.1	e4.5	e3.1	e3.0	e11	31	58	24	6.3	3.2	3.4
12	2.0	e2.3	e4.7	e2.8	e3.2	e12	37	57	23	5.8	2.8	2.6
13	2.0	e2.6	e4.3	e3.0	e3.4	e13	42	60	23	5.5	3.1	2.1
14	2.0	2.9	e4.3	e3.0	e3.6	e14	48	69	21	5.2	4.8	1.9
15	2.0	e2.7	e4.3	e3.2	e3.9	15	46	81	20	5.0	4.8	1.9
16	2.0	e2.5	e3.9	e2.7	e3.5	14	37	91	19	4.8	4.5	1.9
17	2.1	e2.5	e3.9	e2.7	e3.3	e10	36	100	19	4.9	4.4	1.7
18	2.1	e2.5	e3.3	e2.7	e3.2	e9.5	37	100	19	5.4	3.3	1.8
19	2.0	e2.8	e2.6	e2.9	e3.1	e9.0	35	93	18	4.9	2.6	2.0
20	2.0	e3.2	e2.7	e3.0	e3.1	8.5	32	85	18	4.6	2.3	2.1
21	2.0	e3.2	e2.7	e3.0	e3.5	9.5	35	75	18	5.1	2.2	1.9
22	2.1	e3.5	e2.7	e3.2	e4.1	13	41	70	17	5.1	3.9	1.9
23	2.4	3.6	e2.5	e3.3	e3.8	17	39	66	17	5.0	6.8	1.9
24	2.5	3.5	e2.5	e3.3	4.6	17	37	61	19	5.0	4.2	1.8
25	2.7	e3.4	e2.6	e3.5	e5.4	16	44	57	18	4.9	3.2	1.9
26	2.4	e3.0	e2.5	e3.0	e5.3	17	55	53	16	4.6	2.7	1.9
27	2.4	e3.5	e2.5	e3.0	e5.2	e13	61	48	15	3.7	2.5	1.9
28	2.4	e3.5	e2.7	e3.0	5.2	12	60	46	14	3.2	2.2	1.9
29	2.3	e4.1	e3.0	e2.9	---	11	59	43	13	3.0	6.6	2.0
30	2.3	e4.6	e2.8	e3.2	---	12	57	41	12	3.0	5.2	2.0
31	e2.2	---	e2.8	e3.4	---	18	---	39	---	2.9	3.7	---
TOTAL	73.3	84.5	111.3	94.1	97.7	340.1	1,046	1,952	656	189.8	111.1	69.1
MEAN	2.36	2.82	3.59	3.04	3.49	11.0	34.9	63.0	21.9	6.12	3.58	2.30
MAX	4.5	4.6	4.7	3.5	5.4	18	61	100	37	12	6.8	3.9
MIN	1.8	2.0	2.5	2.7	2.3	5.1	13	39	12	2.9	2.2	1.7
AC-FT	145	168	221	187	194	675	2,070	3,870	1,300	376	220	137

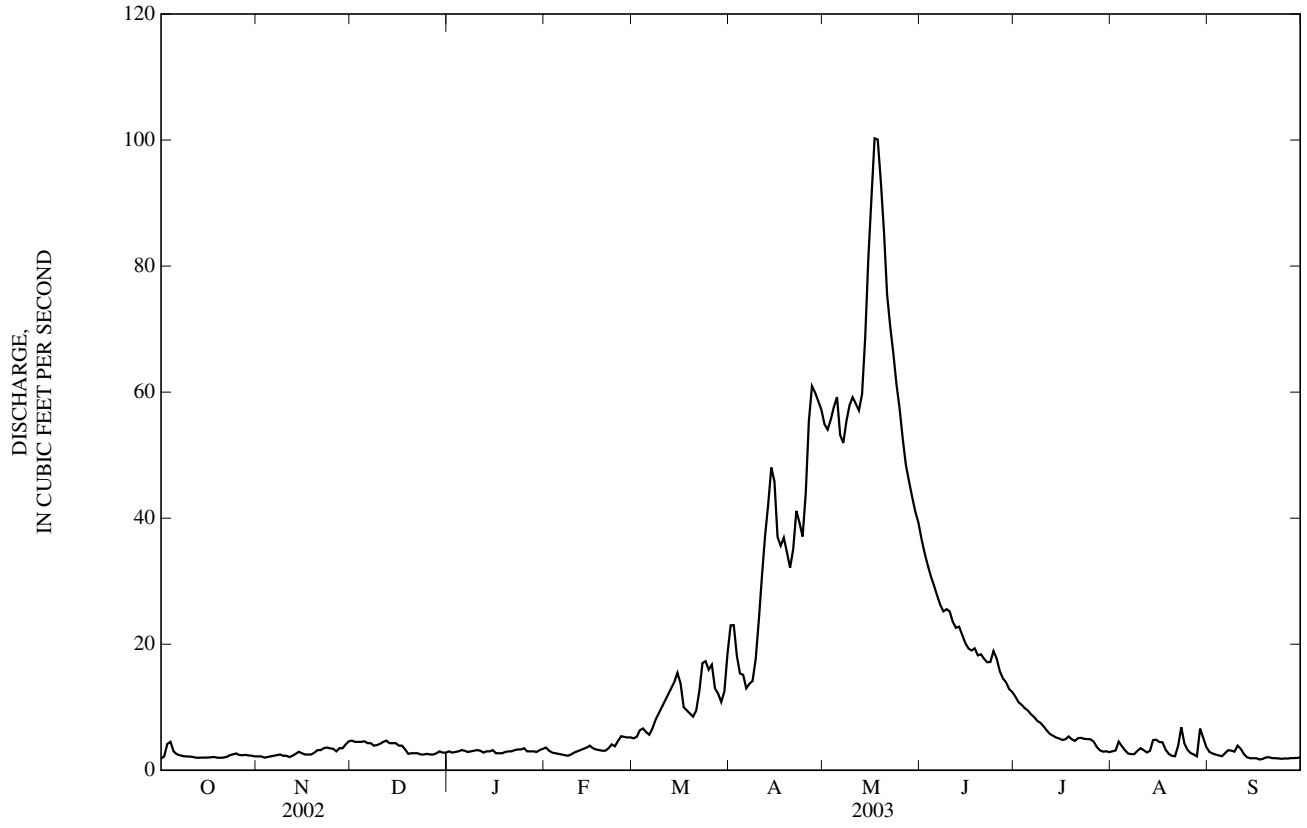
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2003, BY WATER YEAR (WY)

MEAN	5.56	5.16	4.33	3.98	4.75	13.1	60.5	147	51.3	14.5	6.80	4.80
MAX	11.9	9.91	8.16	7.68	20.3	55.0	169	416	209	41.2	22.8	11.7
(WY)	(1985)	(1983)	(1984)	(1984)	(1986)	(1986)	(1986)	(1984)	(1983)	(1983)	(1983)	(1980)
MIN	1.60	2.06	1.46	0.64	1.90	2.73	5.68	4.37	1.95	0.48	0.016	0.12
(WY)	(1978)	(1991)	(1977)	(1977)	(1969)	(1991)	(1977)	(1977)	(1977)	(1977)	(1977)	(1977)

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

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1968 - 2003	
ANNUAL TOTAL	2,120.31		4,825.0			
ANNUAL MEAN	5.81		13.2		26.9	
HIGHEST ANNUAL MEAN					61.9	1983
LOWEST ANNUAL MEAN					2.21	1977
HIGHEST DAILY MEAN	27	Apr 16	100	May 17	927	May 27, 1983
LOWEST DAILY MEAN	0.00	Aug 16	1.7	Sep 17	0.00	Aug 6, 1977
ANNUAL SEVEN-DAY MINIMUM	0.00	Aug 16	1.9	Sep 21	0.00	Aug 6, 1977
ANNUAL RUNOFF (AC-FT)	4,210		9,570		19,520	
10 PERCENT EXCEEDS	20		43		66	
50 PERCENT EXCEEDS	3.0		3.9		6.4	
90 PERCENT EXCEEDS	0.30		2.2		2.4	

e Estimated



09313000 PRICE RIVER NEAR HEINER, UT

LOCATION.--Lat 39°43'08", long 110°51'55", in SW¼SE¼SW¼, sec. 1, T. 13 S., R. 9 E., Carbon County, Hydrologic Unit 14060007, on left bank 0.7 mi north of Heiner and 0.8 mi downstream from Willow Creek.

DRAINAGE AREA.--455 mi^2.

PERIOD OF RECORD.--June 1934 to September 1969, October 1979 to September 1981, October 1990 to September 2003 (discontinued).

GAGE.--Water-stage recorder. Elevation of gage is 6,000 ft above NGVD of 1929, from topographic map. Prior to September 1969 at present site at datum 2.00 ft lower. October 1979 to September 1981 a water-stage recorder at site 400 ft downstream at different datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Flow affected by regulation of Scofield Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,340 ft^3/s, Sep 13, 1940, gage height, 7.98 ft, from rating curve extended above 750 ft^3/s, on basis of slope-area measurements of peak flow; minimum recorded, 0.4 ft^3/s, Aug 21, 1961.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 282 ft^3/s, Jun 19, gage height, 5.26 ft (may have been a higher peak in periods of estimated record); minimum daily discharge, 6.2 ft^3/s, Dec 23.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	e11	e14	e8.6	e25	e19	36	120	186	138	128	106
2	34	e9.0	e12	e10	e24	e17	39	129	179	144	130	105
3	45	e8.2	e12	e9.2	e23	e18	31	132	177	145	138	e90
4	35	e8.8	e12	e10	e22	e20	24	138	174	145	133	e80
5	31	e11	e13	e13	e22	e18	25	140	173	150	129	e70
6	25	e12	e12	e12	e20	e19	25	133	170	152	127	e60
7	18	e13	e11	e11	e18	e20	24	131	169	148	126	e55
8	16	e13	e10	e12	e17	e21	21	136	170	146	125	e50
9	17	e12	e9.4	e13	e18	e23	24	139	165	160	125	e48
10	16	e10	e9.9	e14	e19	e31	31	137	166	161	129	47
11	17	e9.5	e11	e13	e20	e80	42	136	163	168	123	47
12	16	e10	e12	e12	e21	e35	52	131	166	177	126	41
13	16	e12	e11	e14	e22	e30	58	135	165	181	136	37
14	15	e13	e11	e15	e23	75	65	143	160	176	150	39
15	14	e12	e11	e16	e24	39	66	154	158	188	161	36
16	14	e11	e10	e15	e23	49	57	160	148	191	157	35
17	17	e11	e9.0	e14	e21	28	50	160	146	189	152	36
18	e16	e11	e8.0	e14	e19	17	61	151	149	180	144	39
19	e16	e12	e7.0	e15	e18	14	64	142	146	181	143	39
20	e15	e12	e6.4	e16	e18	15	61	133	139	183	141	38
21	e15	e12	e6.7	e16	e19	15	82	123	136	183	141	39
22	e14	e13	e6.5	e17	e21	23	102	134	137	182	147	37
23	e16	e14	e6.2	e18	e19	49	102	149	130	172	137	37
24	e18	e13	e6.4	e18	e20	44	95	174	137	159	134	36
25	e19	e11	e6.7	e19	e21	26	100	172	134	145	117	36
26	e18	e10	e6.4	e17	e21	30	112	176	121	146	114	36
27	e19	e9.2	e6.4	e17	e20	27	119	166	118	137	116	37
28	e18	e10	e7.0	e17	e19	21	121	173	125	129	113	38
29	e18	e11	e8.0	e16	---	17	117	183	143	127	108	36
30	17	e12	e9.2	e18	---	19	118	179	139	127	115	38
31	e14	---	e8.6	e21	---	27	---	177	---	127	110	---
TOTAL	604	336.7	289.8	450.8	577	886	1,924	4,586	4,589	4,937	4,075	1,468
MEAN	19.5	11.2	9.35	14.5	20.6	28.6	64.1	148	153	159	131	48.9
MAX	45	14	14	21	25	80	121	183	186	191	161	106
MIN	14	8.2	6.2	8.6	17	14	21	120	118	127	108	35
AC-FT	1,200	668	575	894	1,140	1,760	3,820	9,100	9,100	9,790	8,080	2,910

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1935-69, 1980-81, 1991-2003, BY WATER YEAR (WY)

MEAN	45.7	18.4	12.4	10.3	13.7	41.9	154	330	251	192	134	87.2
MAX	153	90.7	30.1	18.4	33.1	181	523	1,538	913	321	260	178
(WY)	(1998)	(1938)	(1966)	(1953)	(1996)	(1969)	(1952)	(1952)	(1952)	(1995)	(1995)	(1968)
MIN	3.84	3.23	4.00	4.00	4.62	7.96	29.0	80.2	52.3	28.1	12.6	6.39
(WY)	(1935)	(1935)	(1935)	(1935)	(2002)	(1991)	(1961)	(1961)	(1961)	(1961)	(1992)	(1992)

09313000 PRICE RIVER NEAR HEINER, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1935-69, 1980-81, 1991-2003	
ANNUAL TOTAL	21,745.7		24,723.3			
ANNUAL MEAN	59.6		67.7		108	
HIGHEST ANNUAL MEAN					310	1952
LOWEST ANNUAL MEAN					25.3	1961
HIGHEST DAILY MEAN	178	May 12	191	Jul 16	2,040	Apr 28, 1952
LOWEST DAILY MEAN	3.4	Feb 11	6.2	Dec 23	0.90	Aug 18, 1961
ANNUAL SEVEN-DAY MINIMUM	3.7	Feb 9	6.5	Dec 20	2.4	Nov 7, 1934
ANNUAL RUNOFF (AC-FT)	43,130		49,040		78,300	
10 PERCENT EXCEEDS	155		160		250	
50 PERCENT EXCEEDS	25		35		50	
90 PERCENT EXCEEDS	6.0		11		8.1	

e Estimated

09314500 PRICE RIVER AT WOODSIDE, UT

LOCATION.--Lat 39°15'50", long 110°20'45", in SW¼SE¼SE¼, 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^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1909 to December 1910, January to August 1911 (gage heights only), November 1945 to Septemer 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^3/s, Sep 7, 1991, gage height, 13.49 ft, from rating curve extended above 6,840 ft^3/s; no flow at times in 1960, 1961, 1963, 1992, 2002, and 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 4	0300	*1,320	*9.49				

No flow Jul 17, 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e70	24	e25	e27	e26	e20	24	22	21	7.4	51	20
2	e100	25	e24	e26	e32	e22	e28	22	17	e5.4	22	16
3	e300	22	e25	e27	e33	e21	32	21	18	e3.8	e23	16
4	e400	19	e26	e27	e36	e21	e30	22	16	e3.0	e16	14
5	e110	17	e24	e27	e32	21	e27	24	16	e2.2	e25	12
6	e86	19	e25	e28	e26	e20	e28	26	12	e1.5	e14	46
7	e65	21	e26	e29	e25	e19	e28	25	13	e1.0	e6.6	91
8	e56	32	e25	e27	e22	e18	e22	25	16	0.94	e4.3	22
9	e48	e100	e25	e26	e17	16	e20	29	20	1.5	9.9	19
10	e43	e80	e24	e27	e14	e22	18	28	16	0.96	2.5	23
11	e40	e60	e24	e28	e19	e80	e17	44	17	0.60	0.91	19
12	e37	e30	e25	e26	e24	e90	e17	37	33	0.37	0.18	16
13	e35	e29	e24	e25	e30	e100	18	32	33	0.31	2.1	15
14	e33	e28	e23	e24	37	e165	20	26	29	0.12	1.1	13
15	e32	e30	e25	e23	38	e160	22	21	31	0.06	e50	12
16	e31	e33	e26	e24	37	e70	e23	21	30	0.02	e12	14
17	e31	e27	e27	e24	37	e150	e24	34	32	0.00	e380	14
18	30	e26	e25	e24	46	e190	e25	36	e30	0.00	e64	9.0
19	33	e26	e25	e23	36	e75	24	42	27	0.09	e35	9.5
20	29	e27	e25	e25	30	e50	20	36	e26	0.09	21	8.2
21	26	e28	e24	e26	27	e41	21	31	35	0.97	16	6.2
22	24	e30	e24	e28	24	33	21	25	46	0.23	43	3.3
23	31	e31	e24	e27	22	29	18	20	42	4.3	168	1.6
24	47	e32	e26	e28	e20	42	37	23	33	15	56	0.14
25	30	e33	e24	e29	e20	e65	34	21	30	18	35	0.10
26	27	35	e22	e28	e23	48	29	21	29	17	33	0.08
27	25	29	e25	e28	25	e35	20	24	30	13	28	0.08
28	25	e22	e26	e28	e22	33	21	e19	20	7.5	26	0.05
29	26	e22	e27	e29	---	e28	20	17	14	7.6	27	0.05
30	22	e23	e26	e28	---	e24	22	15	10	27	23	0.04
31	21	---	e28	e29	---	21	---	20	---	9.4	19	---
TOTAL	1,913	960	774	825	780	1,729	710	809	742	149.36	1,214.59	420.34
MEAN	61.7	32.0	25.0	26.6	27.9	55.8	23.7	26.1	24.7	4.82	39.2	14.0
MAX	400	100	28	29	46	190	37	44	46	27	380	91
MIN	21	17	22	23	14	16	17	15	10	0.00	0.18	0.04
AC-FT	3,790	1,900	1,540	1,640	1,550	3,430	1,410	1,600	1,470	296	2,410	834

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1947-92, 2000-2003, BY WATER YEAR (WY)

MEAN	91.1	64.5	40.9	34.5	59.4	113	176	279	218	96.3	110	108
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	18.3	17.9	12.2	10.7	18.0	25.6	15.0	5.26	1.51	4.21	8.61	5.72
(WY)	(1965)	(1991)	(1978)	(1961)	(1964)	(1961)	(1961)	(1961)	(1961)	(1960)	(1990)	(1992)

09314500 PRICE RIVER AT WOODSIDE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1947-92, 2000-2003	
ANNUAL TOTAL	13,017.44		11,026.29			
ANNUAL MEAN	35.7		30.2		116	
HIGHEST ANNUAL MEAN					479	1983
LOWEST ANNUAL MEAN					25.9	1990
HIGHEST DAILY MEAN	600	Sep 13	400	Oct 4	6,180	Sep 7, 1991
LOWEST DAILY MEAN	0.00	Jul 17	0.00	Jul 17	0.00	Jul 21, 1960
ANNUAL SEVEN-DAY MINIMUM	0.55	Jul 11	0.05	Jul 14	0.00	Jul 21, 1960
ANNUAL RUNOFF (AC-FT)	25,820		21,870		84,260	
10 PERCENT EXCEEDS	47		43		232	
50 PERCENT EXCEEDS	24		25		50	
90 PERCENT EXCEEDS	6.2		5.0		17	

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/cm, Dec 11, 1951; minimum daily, 814 microsiemens/cm, Jun 1, 1952.
WATER TEMPERATURE: Maximum, 36.3°C, Jul 22, 2003; minimum, -0.4°C, Nov 17, 18, 19, 2000.

EXTREMES FOR CURRENT YEAR.--
WATER TEMPERATURE: Maximum, 36.3°C, Jul 22; minimum, 0.0°C, many days during the winter months.

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
2	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
3	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
4	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
5	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
6	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
7	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
8	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
9	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
10	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
11	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
12	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
13	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
14	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
15	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
16	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
17	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
18	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
19	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
20	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
21	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
22	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
23	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
24	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
25	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
26	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
27	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
28	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
29	---	---	---	---	---	---	---	---	---	e0.0	e0.0	e0.0
30	---	---	---	---	---	---	e0.0	e0.0	e0.0	e0.0	e0.0	e0.0
31	---	---	---	---	---	---	e0.0	e0.0	e0.0	e0.0	e0.0	e0.0
MONTH	---	---	---	---	---	---	0.0	0.0	0.0	0.0	0.0	0.0

09314500 PRICE RIVER AT WOODSIDE, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	e0.0	e0.0	e0.0	---	0.9	---	---	9.6	---	17.4	---	---
2	e0.0	e0.0	e0.0	---	---	---	10.8	9.3	9.9	18.0	10.5	14.1
3	---	---	---	---	---	---	---	7.9	---	15.6	11.7	13.7
4	---	---	---	---	---	---	8.5	6.7	7.4	16.3	11.6	13.7
5	---	---	---	8.6	1.2	4.6	---	7.1	---	16.3	11.1	13.3
6	---	---	---	---	2.7	---	---	6.0	---	17.1	9.7	13.1
7	---	---	---	10.8	---	---	9.4	6.0	7.6	17.8	12.0	14.4
8	---	---	---	11.8	---	---	---	6.7	---	16.2	12.6	13.8
9	---	---	---	10.6	3.8	7.4	---	7.4	---	13.5	11.1	12.3
10	---	---	---	---	3.8	---	17.0	7.5	12.1	17.4	9.9	13.3
11	---	---	---	---	5.1	---	18.3	8.6	12.7	18.5	11.8	14.9
12	---	---	---	---	---	---	16.7	9.6	12.5	---	13.1	---
13	---	---	---	9.6	7.5	8.6	18.7	9.1	12.6	---	---	---
14	---	---	---	9.5	8.0	8.6	14.4	10.4	12.4	---	---	---
15	---	---	---	8.2	6.4	7.1	14.1	9.3	---	---	---	---
16	---	---	---	7.8	7.2	7.5	16.5	---	---	---	---	---
17	---	---	---	7.8	6.6	7.1	14.5	---	---	---	---	---
18	---	---	---	6.6	5.9	6.3	13.0	10.3	11.4	---	---	---
19	---	---	---	6.6	6.2	6.4	14.0	8.3	10.9	---	---	---
20	---	---	---	8.7	6.2	6.7	---	---	---	---	---	---
21	---	---	---	9.1	7.1	7.9	---	---	---	---	---	---
22	---	---	---	10.1	7.8	8.8	---	---	---	---	---	---
23	---	---	---	10.9	8.7	9.7	---	---	---	---	---	---
24	---	---	---	11.0	9.9	10.5	---	---	---	---	---	---
25	---	---	---	10.8	---	---	---	---	---	---	---	---
26	---	---	---	10.5	9.3	9.9	---	---	---	---	---	---
27	1.7	1.3	1.6	---	8.0	---	---	---	---	---	---	---
28	1.5	0.9	0.9	8.9	7.1	7.9	---	---	---	---	---	---
29	---	---	---	---	6.6	---	---	---	---	28.3	23.4	25.8
30	---	---	---	10.6	7.2	8.9	---	---	---	28.0	20.5	23.7
31	---	---	---	11.7	8.4	10.0	---	---	---	26.5	20.1	23.0
MONTH	1.7	0.0	0.6	11.8	0.9	8.0	18.7	6.0	10.9	28.3	9.7	16.1
		JUNE			JULY			AUGUST			SEPTEMBER	
1	25.8	20.3	22.7	---	---	---	26.6	22.5	24.6	24.9	17.4	21.2
2	25.7	17.4	21.3	---	---	---	26.4	22.9	24.5	24.7	18.5	21.5
3	26.2	16.6	21.1	---	---	---	27.1	20.7	23.7	26.1	17.6	21.9
4	25.7	16.5	20.7	---	---	---	26.5	21.8	23.3	26.7	18.6	22.5
5	25.9	16.3	20.9	---	---	---	27.0	23.7	25.4	25.3	19.8	22.1
6	26.4	17.1	21.4	---	---	---	26.7	22.2	24.6	24.9	18.9	20.9
7	26.1	17.3	21.5	---	---	---	25.8	22.6	23.6	22.1	17.2	19.5
8	26.1	17.4	21.5	---	---	---	30.4	20.4	24.5	20.0	16.6	18.5
9	23.4	17.9	20.8	---	---	---	29.1	20.0	23.7	18.4	15.8	17.2
10	23.4	19.5	21.4	34.6	---	---	29.4	20.9	24.8	18.6	13.8	16.3
11	24.2	18.3	21.1	32.1	18.5	24.6	28.7	21.1	23.7	20.9	11.9	16.2
12	23.2	18.4	20.6	33.1	19.2	25.0	26.9	20.5	22.6	22.1	12.9	17.4
13	23.2	19.0	21.1	30.4	19.0	24.0	31.6	21.6	25.1	21.9	14.2	17.9
14	24.7	19.4	21.9	30.7	19.0	23.5	28.6	20.7	24.0	20.3	11.1	15.7
15	24.9	20.3	22.5	---	---	---	27.3	21.7	24.1	19.7	10.7	15.3
16	24.8	20.1	22.3	---	---	---	23.6	21.1	22.0	20.6	12.2	16.4
17	24.1	20.4	22.1	---	---	---	22.8	19.7	20.6	19.4	13.1	16.1
18	---	19.7	---	---	---	---	23.7	18.4	20.8	18.2	9.0	13.6
19	---	---	---	---	---	---	25.7	19.4	22.2	18.0	9.1	13.7
20	---	---	---	---	---	---	26.2	19.1	22.5	19.0	9.8	14.3
21	---	---	---	34.0	21.0	26.9	26.5	20.6	23.6	19.4	9.7	14.7
22	---	---	---	36.3	23.2	27.3	28.0	21.5	24.2	20.2	10.3	15.2
23	---	---	---	34.1	22.2	27.3	25.9	22.3	23.6	22.0	10.6	15.3
24	---	---	---	30.4	21.9	26.5	25.7	20.5	23.0	---	---	---
25	---	---	---	30.3	24.4	27.2	27.0	20.6	23.6	---	---	---
26	---	---	---	31.0	24.4	27.6	26.8	20.2	23.4	---	---	---
27	---	---	---	31.3	24.8	27.8	23.9	20.7	22.1	---	---	---
28	---	---	---	31.1	24.9	27.7	25.6	17.4	21.4	---	---	---
29	---	---	---	29.7	24.4	27.0	25.5	18.4	21.6	---	---	---
30	---	---	---	30.1	23.3	26.4	26.2	18.5	21.8	---	---	---
31	---	---	---	28.1	23.6	25.9	25.8	16.9	21.2	---	---	---
MONTH	26.4	16.3	21.5	36.3	18.5	26.3	31.6	16.9	23.2	26.7	9.0	17.5

e Estimated

09315000 GREEN RIVER AT GREEN RIVER, UT

LOCATION.--Lat 38°59'10", long 110°09'02", in NW¼NW¼SW¼ 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^2 approximately, of which about 4,260 mi^2 (including 3,959 mi^2 in Great Divide Basin in southern Wyoming) is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1894 to October 1899, October 1904 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: 1895-1900. 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^3/s, Jun 27, 1917, gage height, 14.53 ft, site and datum then in use; minimum, 255 ft^3/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^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Jun 5	1745	*22,300	*11.71				

Minimum discharge, 937 ft^3/s, Dec 2.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,470	e1,700	1,440	e1,080	1,640	2,290	3,030	7,530	20,600	4,430	1,380	1,080
2	1,360	1,550	1,130	e1,040	1,660	2,500	2,820	7,540	21,100	4,070	1,390	1,070
3	1,430	1,570	1,050	e1,090	1,700	2,720	2,670	7,360	21,500	3,890	1,340	1,050
4	1,910	1,600	1,220	e1,080	1,730	3,200	2,560	7,470	21,700	3,730	1,270	1,100
5	2,020	1,590	1,410	e1,080	1,720	3,520	2,450	7,390	22,100	3,540	1,200	1,100
6	1,940	1,570	1,420	e1,150	e1,700	2,630	2,400	6,630	21,600	3,360	1,210	1,100
7	1,680	1,580	1,460	e1,100	e1,650	2,250	2,540	5,860	18,600	3,170	1,210	1,250
8	1,570	1,620	1,490	e1,100	e1,600	2,370	3,290	5,640	15,600	2,990	1,220	1,130
9	1,540	1,920	1,580	e1,100	e1,550	2,270	3,660	5,960	13,300	2,800	1,230	1,260
10	1,520	1,750	1,670	e1,180	e1,500	2,100	3,330	6,100	11,500	2,620	1,190	1,920
11	1,470	1,780	1,660	e1,260	e1,430	2,100	3,010	5,800	10,200	2,500	1,170	1,330
12	1,490	1,830	1,510	e1,200	1,340	2,390	2,810	5,410	9,380	2,330	e1,100	1,250
13	1,540	1,830	1,330	e1,170	1,630	2,580	2,680	5,290	9,090	2,140	e1,080	1,270
14	1,530	1,820	1,160	e1,170	1,840	2,620	2,550	5,380	8,990	2,020	e1,070	1,350
15	1,500	1,780	1,090	e1,170	1,880	2,730	2,460	5,450	9,290	1,900	e1,050	1,370
16	1,550	1,750	1,200	e1,150	1,880	3,010	2,620	4,950	9,380	1,810	1,070	1,470
17	1,530	1,740	1,400	e1,140	1,910	3,550	3,370	4,560	8,580	1,720	1,110	1,380
18	1,510	1,740	1,510	e1,120	1,870	3,870	4,160	4,840	8,070	1,640	1,260	1,380
19	1,530	1,760	1,610	e1,100	2,020	4,270	4,950	6,360	7,930	1,580	1,270	1,410
20	1,560	1,750	1,640	e1,150	2,200	4,330	5,680	8,660	7,700	1,510	1,140	1,440
21	1,520	1,740	1,790	e1,210	2,280	4,330	5,710	10,600	7,410	e1,470	1,050	1,460
22	1,510	1,740	1,620	e1,290	2,350	4,100	5,240	12,700	7,000	1,430	1,050	1,460
23	1,490	1,770	1,530	1,350	2,540	3,770	4,850	14,500	6,800	1,410	1,070	1,450
24	1,510	1,750	1,260	1,360	2,780	3,380	4,680	14,900	6,810	1,390	1,160	1,420
25	1,540	1,740	1,280	1,360	2,830	3,040	4,310	15,100	6,610	1,380	1,140	1,400
26	1,520	1,800	1,180	1,410	2,640	2,850	4,090	15,700	6,270	1,420	1,080	1,370
27	1,530	1,800	1,070	1,510	2,420	2,710	4,250	16,700	5,850	1,400	1,070	1,340
28	1,580	1,780	1,170	1,550	2,270	2,760	4,890	17,800	5,600	1,430	1,060	1,410
29	1,700	1,700	1,180	1,580	---	2,900	5,490	18,900	5,280	1,410	1,110	1,520
30	1,800	1,490	1,140	1,600	---	3,240	6,470	19,600	4,840	1,410	1,140	1,460
31	e1,900	---	1,100	1,640	---	3,310	---	20,000	---	1,400	1,110	---
TOTAL	49,250	51,540	42,300	38,490	54,560	93,690	113,020	300,680	338,680	69,300	36,000	40,000
MEAN	1,589	1,718	1,365	1,242	1,949	3,022	3,767	9,699	11,290	2,235	1,161	1,333
MAX	2,020	1,920	1,790	1,640	2,830	4,330	6,470	20,000	22,100	4,430	1,390	1,920
MIN	1,360	1,490	1,050	1,040	1,340	2,100	2,400	4,560	4,840	1,380	1,050	1,050
AC-FT	97,690	102,200	83,900	76,340	108,200	185,800	224,200	596,400	671,800	137,500	71,410	79,340

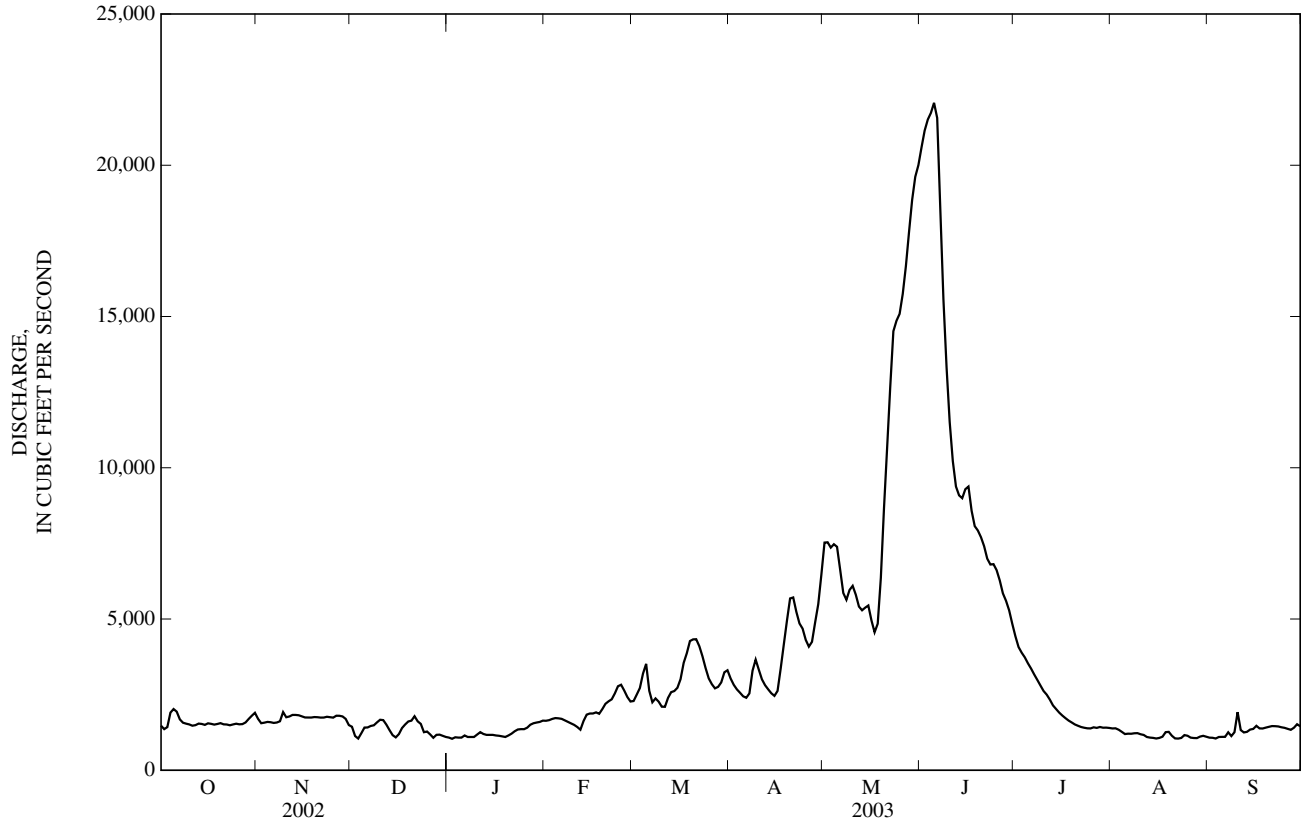
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1906 - 2003, BY WATER YEAR (WY)

MEAN	3,044	2,927	2,408	2,357	2,881	4,614	7,307	15,320	18,480	7,710	3,629	2,832
MAX	7,701	6,490	5,894	5,739	7,258	11,430	18,370	33,940	46,650	31,630	11,220	9,960
(WY)	(1983)	(1987)	(1987)	(1985)	(1962)	(1910)	(1962)	(1952)	(1921)	(1907)	(1907)	(1909)
MIN	718	935	801	1,000	1,509	1,617	2,591	4,212	2,128	645	712	603
(WY)	(1935)	(1935)	(1909)	(1910)	(1935)	(1963)	(1963)	(1990)	(1934)	(1934)	(1934)	(1934)

09315000 GREEN RIVER AT GREEN RIVER, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1906 - 2003	
ANNUAL TOTAL	738,703		1,227,510			
ANNUAL MEAN	2,024		3,363		6,131	
HIGHEST ANNUAL MEAN					12,280	1907
LOWEST ANNUAL MEAN					1,805	1934
HIGHEST DAILY MEAN	7,570	May 26	22,100	Jun 5	66,700	Jun 27, 1917
LOWEST DAILY MEAN	682	Aug 20	1,040	Jan 2	380	Dec 5, 1934
ANNUAL SEVEN-DAY MINIMUM	708	Aug 26	1,090	Dec 30	419	Jul 30, 1934
ANNUAL RUNOFF (AC-FT)	1,465,000		2,435,000		4,441,000	
10 PERCENT EXCEEDS	3,640		7,400		15,000	
50 PERCENT EXCEEDS	1,640		1,720		3,480	
90 PERCENT EXCEEDS	802		1,140		1,520	

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, 1,330 microsiemens/cm, Aug 18; minimum observed, 290 microsiemens/cm, Jun 8.
WATER TEMPERATURE: Maximum observed, 30.0°C, Jul 21; minimum observed, 0.0°C, Dec 9, 13, 20, Jan 2.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
MAR								
11...	1045	6.10	1,970	8.2	940	10.0	8.0	608
MAY								
01...	1000	8.10	7,210	7.9	540	13.0	13.5	340
JUL								
10...	0915	6.37	2,660	8.4	500	25.0	23.5	305
AUG								
15...	0930	5.37	--	8.3	800	26.0	25.0	496

09315000 GREEN RIVER AT GREEN RIVER, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	990	900	870	960	860	940	870	530	380	415	750	820
2	910	880	900	960	850	860	920	620	380	410	740	830
3	---	880	930	950	---	850	920	530	330	425	760	840
4	---	880	910	980	890	820	---	480	310	435	730	840
5	920	890	910	970	890	830	970	460	330	450	780	830
6	900	890	930	940	830	830	940	---	300	465	760	840
7	880	930	940	900	820	830	910	450	300	475	760	850
8	820	920	1,060	890	820	850	910	460	290	470	760	1,000
9	880	930	1,060	910	830	890	910	470	300	475	770	850
10	940	920	950	900	---	880	900	470	310	495	820	1,300
11	950	1,010	960	900	850	880	900	460	300	500	780	940
12	---	940	960	890	860	990	860	---	310	520	820	840
13	920	890	940	890	870	980	800	510	320	530	790	840
14	960	870	930	880	880	900	780	520	315	550	760	820
15	940	890	---	---	910	820	780	520	315	550	760	850
16	940	910	940	890	900	830	800	520	320	570	770	840
17	950	920	940	880	900	810	820	530	300	---	890	850
18	940	900	970	900	900	790	810	570	305	600	1,330	860
19	940	910	930	890	900	760	790	570	300	610	---	870
20	---	900	890	880	870	710	660	540	---	620	840	840
21	920	890	920	870	840	730	590	460	---	640	820	---
22	920	---	900	890	820	800	540	420	320	650	890	840
23	900	890	910	900	800	810	520	370	350	660	910	820
24	900	890	920	900	810	790	520	420	360	660	1,050	820
25	940	890	910	900	790	810	570	430	360	670	950	---
26	1,220	890	---	900	790	860	580	420	360	680	860	820
27	990	880	---	910	810	860	570	420	360	690	850	820
28	980	870	940	920	820	850	---	390	380	---	860	820
29	910	860	970	900	---	---	560	380	390	730	840	810
30	900	870	---	890	---	880	520	380	405	720	820	810
31	900	---	990	870	---	880	---	380	---	730	830	---
MEAN	936	900	940	907	850	844	758	472	332	565	835	861

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.0	8.0	3.0	1.0	3.0	4.0	10.0	16.0	21.0	25.0	26.5	22.0
2	15.0	8.0	2.5	0.0	3.0	4.0	12.0	15.0	21.0	24.0	28.0	24.0
3	---	7.0	2.0	1.0	---	5.0	11.0	15.0	21.5	26.0	28.0	25.0
4	---	6.5	2.0	1.0	4.0	4.0	---	15.0	20.0	26.0	27.0	25.0
5	15.0	5.0	2.5	1.0	3.0	5.0	10.0	15.0	20.0	28.0	27.0	24.0
6	16.0	4.0	1.0	3.0	2.0	5.0	10.0	---	21.0	26.0	27.0	24.0
7	13.5	4.5	2.0	2.0	2.0	5.0	12.0	15.0	21.0	28.0	25.0	23.0
8	13.0	5.0	2.0	2.0	1.0	7.0	12.0	15.0	21.0	27.0	25.5	23.0
9	17.0	6.0	0.0	2.0	1.0	8.0	13.0	14.0	20.0	27.0	26.0	21.0
10	17.0	7.0	2.0	1.0	---	10.0	14.0	14.0	20.0	28.0	27.0	20.0
11	16.0	8.0	1.0	3.0	2.0	9.0	15.0	16.0	20.0	25.0	27.0	19.0
12	---	6.0	1.0	2.0	2.0	10.0	15.0	---	21.0	28.0	28.0	20.0
13	15.0	6.0	0.0	2.0	2.0	9.0	14.5	17.0	21.0	27.0	25.0	20.0
14	14.0	5.0	2.0	1.0	3.0	10.0	15.0	17.0	21.0	26.0	27.0	18.0
15	13.0	6.0	---	---	4.0	9.5	13.0	18.0	21.0	27.0	26.5	20.0
16	14.0	5.5	1.0	3.0	5.0	10.0	14.5	20.0	23.5	29.0	25.0	20.0
17	12.0	5.0	2.0	3.0	5.0	10.0	15.0	19.0	23.0	---	25.0	19.0
18	14.0	5.0	2.0	3.0	5.0	9.0	14.0	20.0	23.0	29.0	26.0	17.0
19	14.0	5.0	1.0	3.0	5.0	8.0	14.0	20.0	22.0	28.0	---	16.0
20	---	4.0	0.0	3.0	3.0	8.0	14.5	20.0	---	29.0	25.0	19.0
21	14.0	5.0	1.0	3.0	3.0	10.0	15.0	18.0	---	30.0	25.5	---
22	12.0	---	1.0	3.0	2.0	10.0	14.0	20.0	21.0	28.0	25.0	17.0
23	12.0	4.0	1.0	4.0	4.0	12.0	15.0	19.0	21.0	26.0	26.0	18.0
24	12.0	5.0	1.0	3.0	1.0	12.0	16.0	19.0	20.0	25.0	25.0	18.0
25	12.0	5.0	1.0	4.0	3.0	13.0	17.0	20.0	20.0	28.0	25.5	---
26	12.0	4.0	---	3.0	2.0	11.0	17.0	20.0	22.0	28.5	26.0	19.0
27	10.0	4.0	---	2.0	2.0	10.0	17.5	20.0	22.0	28.5	23.5	20.0
28	11.0	3.0	1.0	3.0	4.0	10.0	---	22.0	22.0	---	24.0	19.0
29	11.0	2.0	1.0	4.0	---	---	16.0	20.0	24.0	28.0	25.0	20.0
30	11.0	2.0	---	2.0	---	10.0	15.0	20.0	25.0	26.0	25.0	20.0
31	9.0	---	1.0	4.0	---	12.0	---	20.0	---	25.0	24.0	---
MEAN	13.4	5.2	1.4	2.4	2.9	8.7	14.0	17.9	21.4	27.1	25.9	20.4

09317800 ELECTRIC LAKE NEAR SCOFIELD, UT

LOCATION.--Lat 39°36'03", long 111°12'41", in NE¼NE¼SE¼ 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^2.

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, 11,050 acre-ft Jun 17, elevation 8512.44 ft; minimum contents 5,121 acre-ft Apr 11, elevation 8478.40 ft.

RESERVOIR STORAGE, ACRE FEET
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,347	6,884	6,450	6,179	5,692	5,451	5,161	5,736	10,560	10,880	10,400	10,350
2	7,335	6,856	6,440	6,163	5,685	5,444	5,160	5,785	10,660	10,860	10,400	10,350
3	7,325	6,826	6,431	6,142	5,679	5,437	5,156	5,838	10,740	10,850	10,400	10,350
4	7,308	6,795	6,422	6,123	5,671	5,418	5,151	5,885	10,800	10,830	10,400	10,340
5	7,286	6,766	6,412	6,104	5,662	5,412	5,148	5,919	10,850	10,820	10,400	10,340
6	7,264	6,739	6,403	6,088	5,653	5,409	5,141	5,953	10,890	10,800	10,400	10,330
7	7,243	6,710	6,397	6,070	5,643	5,384	5,133	5,990	10,920	10,780	10,400	10,330
8	7,219	6,686	6,384	6,052	5,633	5,377	5,130	6,029	10,950	10,760	10,400	10,320
9	7,196	6,680	6,374	6,032	5,623	5,370	5,128	6,062	10,980	10,740	10,400	10,320
10	7,173	6,666	6,363	6,017	5,613	5,348	5,125	6,089	11,000	10,720	10,400	10,320
11	7,148	6,643	6,352	6,001	5,602	5,341	5,121	6,118	11,010	10,700	10,400	10,320
12	7,121	6,619	6,343	5,984	5,592	5,340	5,128	6,163	11,020	10,680	10,400	10,300
13	7,097	6,608	6,332	5,965	5,582	5,322	5,145	6,255	11,030	10,660	10,400	10,300
14	7,072	6,601	6,323	5,947	5,577	5,313	5,172	6,401	11,040	10,640	10,400	10,290
15	7,057	6,594	6,312	5,929	5,570	5,305	5,195	6,608	11,040	10,620	10,400	10,280
16	7,049	6,585	6,302	5,912	5,562	5,305	5,209	6,853	11,040	10,600	10,400	10,270
17	7,041	6,575	6,299	5,892	5,555	5,305	5,223	7,133	11,050	10,580	10,400	10,250
18	7,031	6,567	6,299	5,875	5,546	5,296	5,235	7,450	11,040	10,560	10,400	10,230
19	7,021	6,558	6,293	5,856	5,538	5,283	5,243	7,696	11,020	10,540	10,400	10,200
20	7,011	6,548	6,282	5,838	5,528	5,271	5,250	7,947	11,010	10,520	10,390	10,170
21	7,001	6,541	6,273	5,819	5,518	5,265	5,261	8,205	10,980	10,500	10,370	10,150
22	6,990	6,531	6,266	5,801	5,511	5,245	5,276	8,481	10,960	10,480	10,370	10,120
23	6,982	6,523	6,255	5,793	5,502	5,239	5,291	8,751	10,940	10,480	10,370	10,090
24	6,974	6,514	6,244	5,787	5,492	5,236	5,319	8,996	10,940	10,480	10,370	10,060
25	6,965	6,509	6,235	5,777	5,488	5,230	5,380	9,242	10,940	10,480	10,370	10,040
26	6,957	6,500	6,226	5,763	5,484	5,212	5,457	9,475	10,940	10,470	10,370	10,010
27	6,949	6,490	6,215	5,749	5,475	5,205	5,526	9,696	10,920	10,450	10,370	9,987
28	6,939	6,479	6,204	5,736	5,467	5,202	5,587	9,910	10,910	10,420	10,370	9,963
29	6,947	6,470	6,195	5,724	---	5,178	5,645	10,110	10,900	10,410	10,370	9,937
30	6,920	6,461	6,189	5,713	---	5,172	5,695	10,280	10,890	10,410	10,360	9,908
31	6,908	---	6,180	5,702	---	5,168	---	10,430	---	10,400	10,350	---
MAX	7,347	6,884	6,450	6,179	5,692	5,451	5,695	10,430	11,050	10,880	10,400	10,350
MIN	6,908	6,461	6,180	5,702	5,467	5,168	5,121	5,736	10,560	10,400	10,350	9,908
(#)	8490.41	8487.60	8485.78	8482.56	8480.91	8478.75	8482.51	8509.54	8511.72	8509.39	8509.15	8506.98
(*)	-456	-447	-281	-478	-235	-299	+527	+4735	+460	-490	-50	-442

CAL YR 2002.....(*) -5400
WTR YR 2003.....(*) +2544

(#) 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 SE¼NE¼SW¼, 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^2, 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.--20 years, 75.5 ft^3/s, 54,670 acre-ft/yr.

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	13	23	23	23	21	22	36	139	52	46	18
2	27	13	12	21	24	12	15	40	121	61	45	19
3	33	14	12	29	24	12	15	39	107	59	43	20
4	33	14	21	27	28	12	15	38	96	54	39	19
5	33	15	37	22	24	12	16	35	89	53	32	20
6	31	15	22	24	26	12	15	39	79	53	21	21
7	31	15	22	23	33	12	15	50	74	53	21	21
8	43	16	22	24	27	12	15	48	70	51	21	22
9	80	19	22	25	26	13	15	47	67	46	21	22
10	80	14	21	24	27	13	16	45	71	45	20	22
11	84	12	22	22	27	13	22	46	90	47	20	21
12	80	13	27	22	26	13	24	51	80	46	26	21
13	78	12	22	22	30	13	31	70	75	46	35	17
14	29	12	23	23	30	13	29	80	71	45	31	17
15	22	12	26	22	29	13	25	91	80	47	29	20
16	22	14	23	22	27	13	22	98	77	56	31	21
17	22	13	23	24	26	13	22	102	74	58	31	20
18	22	13	21	22	26	13	21	111	72	58	27	20
19	22	14	21	24	26	13	20	99	60	56	25	20
20	22	13	22	24	28	13	20	98	50	54	22	20
21	22	12	27	24	27	13	21	105	47	56	23	21
22	22	12	27	22	26	13	24	111	44	54	24	21
23	21	12	26	21	25	13	29	121	43	53	21	21
24	21	12	21	21	20	14	42	121	49	51	22	21
25	21	12	21	22	18	14	50	128	51	51	23	22
26	22	12	23	23	16	14	56	134	50	50	21	22
27	23	12	22	23	14	14	53	139	45	48	21	21
28	23	12	24	24	12	14	56	150	46	47	20	23
29	23	12	26	25	---	15	50	158	51	47	19	22
30	23	12	25	24	---	14	40	153	50	48	20	22
31	23	---	23	23	---	15	---	138	---	48	18	---
TOTAL	1,061	396	709	721	695	414	816	2,721	2,118	1,593	818	617
MEAN	34.2	13.2	22.9	23.3	24.8	13.4	27.2	87.8	70.6	51.4	26.4	20.6
MAX	84	19	37	29	33	21	56	158	139	61	46	23
MIN	21	12	12	21	12	12	15	35	43	45	18	17
AC-FT	2,100	785	1,410	1,430	1,380	821	1,620	5,400	4,200	3,160	1,620	1,220

CAL YR	2002	TOTAL	13,282.1	MEAN	36.4	MAX	142	MIN	7.6	AC-FT	26,350
WTR YR	2003	TOTAL	2,679	MEAN	34.7	MAX	158	MIN	12	AC-FT	25,150

09319000 EPHRAIM TUNNEL NEAR EPHRAIM, UT (Transmountain diversion)

LOCATION.--Lat 39°19'47", long 111°25'51", in SE¼SE¼SE¼ 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^3/s, June 6, 1964, gage height, 5.43 ft; no flow at times in some years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	2.6	0.19	70	4.1	1.3	0.01
2	---	---	---	---	---	---	2.7	0.09	51	3.9	1.4	0.01
3	---	---	---	---	---	---	e2.6	0.09	42	3.8	2.1	0.01
4	---	---	---	---	---	---	e2.3	0.02	38	3.7	0.31	0.01
5	---	---	---	---	---	---	e2.8	0.01	38	3.6	0.14	0.01
6	---	---	---	---	---	---	e2.9	0.00	34	3.5	0.06	0.02
7	---	---	---	---	---	---	e3.1	0.01	31	3.4	0.11	0.01
8	---	---	---	---	---	---	e3.4	0.01	29	3.4	0.18	0.00
9	---	---	---	---	---	---	e3.6	0.01	24	3.3	0.04	0.00
10	---	---	---	---	---	---	3.7	0.01	22	3.2	0.03	0.05
11	---	---	---	---	---	---	3.9	0.64	18	3.1	0.02	0.03
12	---	---	---	---	---	---	3.8	0.03	16	3.0	0.01	0.00
13	---	---	---	---	---	---	e5.2	0.03	16	3.0	0.01	0.00
14	---	---	---	---	---	---	e5.0	0.84	16	2.9	0.01	0.00
15	---	---	---	---	---	---	e4.9	2.4	14	2.9	0.01	0.01
16	---	---	---	---	---	---	e4.5	3.1	13	2.8	0.01	0.01
17	---	---	---	---	---	---	3.8	4.1	11	2.8	0.01	0.01
18	---	---	---	---	---	---	e4.0	5.7	11	2.8	0.00	0.01
19	---	---	---	---	---	---	e4.1	7.4	9.8	2.7	0.01	0.01
20	---	---	---	---	---	---	e3.8	10	9.0	2.7	0.01	0.01
21	---	---	---	---	---	---	e4.0	21	8.3	2.7	0.01	0.05
22	---	---	---	---	---	---	e3.0	50	7.7	2.6	0.02	0.13
23	---	---	---	---	---	---	e3.0	60	7.2	2.6	0.01	0.00
24	---	---	---	---	---	---	e2.8	62	7.4	2.5	0.00	0.00
25	---	---	---	---	---	---	2.7	54	6.3	2.4	0.01	0.00
26	---	---	---	---	---	---	e3.0	57	5.8	2.3	0.01	0.00
27	---	---	---	---	---	---	e2.4	68	5.5	2.2	0.01	0.01
28	---	---	---	---	---	---	e1.6	75	5.0	1.7	0.02	0.01
29	---	---	---	---	---	---	e0.50	77	4.4	0.50	0.01	0.01
30	---	---	---	---	---	---	0.34	60	4.2	0.15	0.03	0.01
31	---	---	---	---	---	---	---	64	---	0.95	0.01	---
TOTAL	---	---	---	---	---	---	96.04	682.68	574.6	85.20	5.91	0.44
MEAN	---	---	---	---	---	---	3.20	22.0	19.2	2.75	0.19	0.015
MAX	---	---	---	---	---	---	5.2	77	70	4.1	2.1	0.13
MIN	---	---	---	---	---	---	0.34	0.00	4.2	0.15	0.00	0.00
AC-FT	---	---	---	---	---	---	190	1,350	1,140	169	12	0.9

e Estimated

09323000 SPRING CITY TUNNEL NEAR SPRING CITY, UT (Transmountain diversion)

LOCATION.--Lat 39°25'34", long 111°21'51", in NW¼SW¼SE¼ sec. 16, T. 16 S., R. 5 E., Sanpete County, Hydrologic Unit 14060009, at west portal of tunnel, 11 mi east of Spring City.

PERIOD OF RECORD.--October 1949 to September 2003 (discontinued). Monthly discharges only for October 1949 to September 1960. Figures of daily discharge available from Salt Lake City District Office, Geological Survey. Seasonal records only since October 1971.

GAGE.--Water-stage recorder. Datum of gage is 9,838 ft above NGVD of 1929. Prior to August 24, 1960, at datum about 0.3 ft higher.

REMARKS.--Records fair except for estimated daily discharges, which are 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, 111 ft^3/s, July 23, 1965; possibly no flow at times in some years.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	e4.2	e6.6	e36	5.0	2.1	1.1
2	---	---	---	---	---	---	e3.7	e7.1	e34	4.7	2.2	1.2
3	---	---	---	---	---	---	e2.8	e7.8	e31	4.6	2.3	1.1
4	---	---	---	---	---	---	e2.0	e9.5	e29	4.4	2.0	1.1
5	---	---	---	---	---	---	e2.0	e8.8	e25	4.3	1.9	1.2
6	---	---	---	---	---	---	e2.2	e8.2	e24	4.1	1.9	1.2
7	---	---	---	---	---	---	e2.3	e9.0	e23	3.9	1.6	1.1
8	---	---	---	---	---	---	e2.8	e9.0	e21	3.7	1.5	1.1
9	---	---	---	---	---	---	e4.2	e8.2	e19	3.5	1.5	1.2
10	---	---	---	---	---	---	e6.8	e7.2	e18	3.2	1.5	1.3
11	---	---	---	---	---	---	e8.0	e8.0	17	3.2	1.5	1.2
12	---	---	---	---	---	---	e9.4	e11	15	3.1	1.4	1.1
13	---	---	---	---	---	---	e9.2	e13	14	3.0	1.4	1.1
14	---	---	---	---	---	---	e8.4	e16	13	2.9	1.5	1.1
15	---	---	---	---	---	---	e6.1	e19	12	2.8	1.4	1.1
16	---	---	---	---	---	---	e2.8	e21	11	2.7	1.4	1.0
17	---	---	---	---	---	---	e3.5	e25	10	2.8	1.3	1.00
18	---	---	---	---	---	---	e4.4	e28	9.6	2.9	1.3	1.0
19	---	---	---	---	---	---	e5.3	e29	9.1	2.7	1.3	1.00
20	---	---	---	---	---	---	e5.6	e31	8.6	2.5	1.3	0.95
21	---	---	---	---	---	---	e5.7	e33	8.0	2.5	2.3	0.94
22	---	---	---	---	---	---	e5.6	e37	7.6	2.4	1.6	0.93
23	---	---	---	---	---	---	e4.5	e39	7.3	2.4	1.3	0.90
24	---	---	---	---	---	---	e6.6	e41	7.5	2.4	1.2	0.90
25	---	---	---	---	---	---	e8.7	e43	7.2	2.3	1.2	0.87
26	---	---	---	---	---	---	e9.6	e46	6.4	2.2	1.2	0.86
27	---	---	---	---	---	---	e9.2	e46	6.0	2.2	1.2	0.86
28	---	---	---	---	---	---	e9.8	e44	5.7	2.1	1.1	0.85
29	---	---	---	---	---	---	e7.8	e42	5.4	2.1	1.2	0.85
30	---	---	---	---	---	---	e6.8	e39	5.2	2.1	1.2	0.85
31	---	---	---	---	---	---	---	e38	---	2.1	1.1	---
TOTAL	---	---	---	---	---	---	170.0	730.4	445.6	94.8	46.9	30.96
MEAN	---	---	---	---	---	---	5.67	23.6	14.9	3.06	1.51	1.03
MAX	---	---	---	---	---	---	9.8	46	36	5.0	2.3	1.3
MIN	---	---	---	---	---	---	2.0	6.6	5.2	2.1	1.1	0.85
AC-FT	---	---	---	---	---	---	337	1,450	884	188	93	61

e Estimated

09323900 JOES VALLEY RESERVOIR NEAR ORANGEVILLE, UT

LOCATION.--Lat 39°17'20", long 111°16'10", in NW1/4NE1/4 sec. 5, T. 18 S., R. 6 E., Emery County, Hydrologic Unit 14060009, on Seeley Creek 5.2 mi upstream from Cottonwood Creek, and 12.6 mi west of Orangeville.

DRAINAGE AREA.--146 mi2.

PERIOD OF RECORD.--November 1965 to September 2003 (discontinued).

GAGE.--Water-stage recorder in control house at downstream end of outlet tunnel. Datum of gage is NGVD of 1929 (levels by Bureau of Reclamation).

REMARKS.--Reservoir is formed by earthfill rock-faced dam. Storage began November 3, 1965. Usable capacity, 54,610 acre-ft between elevations 6,910.0 and 6,989.7 ft above mean NGVD of 1929. Dead storage, 870 acre-ft between elevations 6,817.0 and 6,866.5 ft. Inactive storage, 6,980 acre-ft between elevations 6,866.5 and 6,910.0 ft. Figures given herein represent total contents. Water is used for irrigation. Huntington North Reservoir, a small off-channel reservoir near Huntington, is operated in conjunction with Joes Valley Reservoir; records not included.

COOPERATION.--Records provided by Bureau of Reclamation.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents observed, 66,030 acre-ft, Jun 20, 21, 1983; minimum observed since reservoir was first filled, 7,710 acre-ft, Oct 1, 1966.

EXTREMES FOR CURRENT YEAR.--Maximum contents observed, 45,650 acre-ft, Jun 16, elevation, 6,974.8 ft; minimum observed, 20,070 acre-ft, Oct 1, elevation, 6,940.8 ft.

MONTHEND ELEVATION, IN FEET, AND CONTENTS AT 2400, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Elevation (feet)	Contents (acre-feet)	Change in contents (acre-feet)
Sep 30.....	6,940.8	20,070	
Oct 31.....	6,941.2	20,300	+230
Nov 30.....	6,941.3	20,350	+50
Dec 31.....	6,942.6	21,110	+760
CAL YR 2002	--	--	-16,530
Jan 31.....	6,943.9	21,880	+770
Feb 28.....	6,945.1	22,610	+730
Mar 31.....	6,946.7	23,600	+990
Apr 30.....	6,947.7	24,240	+640
May 31.....	6,966.8	38,400	+14,160
Jun 30.....	6,973.9	44,790	+6,390
Jul 31.....	6,967.5	39,000	-5,790
Aug 31.....	6,960.2	33,050	-5,950
Sep 30.....	6,957.8	31,220	-1,830
WTR YR 2003	--	--	+11,150

09326500 FERRON CREEK (UPPER STATION) NEAR FERRON, UT

LOCATION.--Lat 39°06'15", long 111°12'57", in NE¼SE¼SW¼ 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^2.

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). Small diversions above station for irrigation, including a transmountain diversion to tributary of San Pitch River (Sevier Lake basin). 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^3/s, Aug 27, 1952, gage height, 9.71 ft, site and datum then in use, from rating table extended above 400 ft^3/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^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 29	1815	*695	*5.29				

Minimum daily discharge, 4.7 ft^3/s, Dec 26.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	8.8	e5.8	e5.5	5.9	e5.2	26	44	470	69	37	23
2	17	6.5	e5.7	e5.0	5.7	e5.4	20	44	446	65	37	17
3	28	5.2	e5.7	e5.2	e5.6	e5.6	13	50	395	61	44	15
4	22	e5.0	e5.9	e5.2	e6.1	5.6	8.5	49	354	58	35	14
5	22	e6.0	e6.1	e5.3	e6.0	e5.6	10	47	322	56	33	15
6	21	e7.0	e6.3	e5.4	e5.8	5.7	9.6	42	277	54	32	20
7	20	e8.0	e6.0	e5.6	e5.4	5.6	9.1	42	263	53	33	17
8	20	9.0	e5.8	e5.5	e5.0	6.1	8.9	43	251	51	39	12
9	19	32	e5.6	e5.4	e5.4	6.6	14	42	233	50	36	14
10	18	12	e5.4	e5.5	e5.4	7.2	24	39	219	48	33	22
11	17	9.8	e5.4	e5.7	e5.5	12	33	40	204	47	32	17
12	14	9.5	e5.7	e5.5	e5.3	17	36	48	194	45	31	15
13	13	9.1	e5.5	e5.5	e5.2	23	40	68	179	44	31	14
14	13	8.5	e5.5	e5.3	e5.1	19	38	82	168	42	30	14
15	12	e8.0	e6.0	e5.5	e5.0	11	31	108	158	41	33	14
16	10	e7.4	e6.0	e5.5	e5.1	10	22	151	151	41	52	14
17	9.8	e7.4	e6.4	e5.2	e5.2	11	25	175	142	40	32	13
18	9.5	e7.6	e6.0	e5.2	5.2	8.1	25	229	135	42	28	13
19	8.9	e7.6	e5.5	e5.2	e5.2	7.8	22	250	129	46	27	13
20	8.5	e7.8	e5.5	e5.4	e5.2	8.4	22	276	122	44	26	13
21	8.7	8.0	e5.0	e5.2	5.2	9.1	28	314	115	48	27	13
22	10	8.2	e5.0	e5.2	5.3	11	29	379	108	44	32	12
23	10	8.2	e5.3	e5.4	e5.1	20	24	432	102	44	33	12
24	9.0	8.1	e5.1	e5.6	e5.1	18	29	440	101	55	29	12
25	8.8	7.9	e5.1	e5.7	5.2	13	46	446	95	45	27	14
26	9.8	e7.0	e4.7	e5.5	5.2	15	57	481	88	42	23	13
27	9.4	e6.0	e4.9	e5.6	e5.1	12	59	535	84	40	21	12
28	8.3	e6.4	e5.2	e5.6	e5.0	8.4	60	532	79	40	22	12
29	8.0	e6.6	e5.2	e5.6	---	8.2	57	530	77	40	17	12
30	6.1	e6.1	e5.0	e5.4	---	11	50	493	73	38	25	12
31	7.3	---	e5.3	e5.7	---	22	---	462	---	37	24	---
TOTAL	411.1	254.7	171.6	168.1	149.5	333.6	876.1	6,913	5,734	1,470	961	433
MEAN	13.3	8.49	5.54	5.42	5.34	10.8	29.2	223	191	47.4	31.0	14.4
MAX	28	32	6.4	5.7	6.1	23	60	535	470	69	52	23
MIN	6.1	5.0	4.7	5.0	5.0	5.2	8.5	39	73	37	17	12
AC-FT	815	505	340	333	297	662	1,740	13,710	11,370	2,920	1,910	859

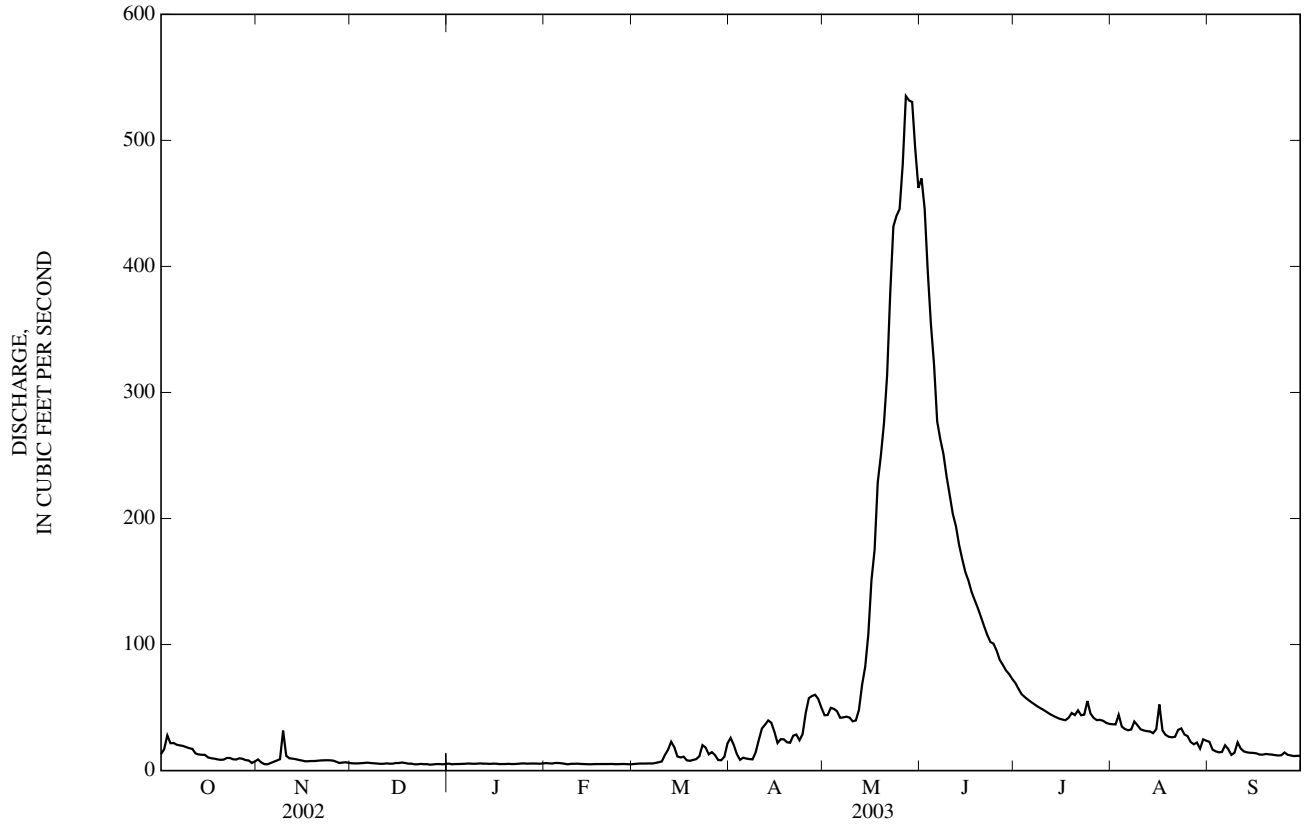
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1912-23, 1948-2003, BY WATER YEAR (WY)

MEAN	18.0	13.7	10.7	9.08	10.1	14.0	44.4	221	286	97.0	40.9	24.1
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 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1912-23, 1948-2003	
ANNUAL TOTAL	11,281.9		17,875.7			
ANNUAL MEAN	30.9		49.0		65.9	
HIGHEST ANNUAL MEAN					140	1984
LOWEST ANNUAL MEAN					17.6	1977
HIGHEST DAILY MEAN	212	May 18	535	May 27	1,240	Jun 7, 1984
LOWEST DAILY MEAN	4.7	Dec 26	4.7	Dec 26	1.0	Mar 22, 1912
ANNUAL SEVEN-DAY MINIMUM	5.0	Dec 21	5.0	Dec 21	2.6	Jan 4, 1960
ANNUAL RUNOFF (AC-FT)	22,380		35,460		47,720	
10 PERCENT EXCEEDS	96		118		193	
50 PERCENT EXCEEDS	13		13		18	
90 PERCENT EXCEEDS	6.4		5.3		8.0	

e Estimated



09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT

LOCATION.--Lat 38°51'30", long 110°22'10", in SE¼SE¼NW¼ 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^2.

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^3/s, Sep 2, 1909, gage height, 12.7 ft, site and datum then in use, from rating curve extended above 3,100 ft^3/s; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,300 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 17	1045	*292	*4.63				

No flow on many days in Jul, Aug, and Sep.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.0	13	e20	e8.0	16	14	10	1.8	0.86	0.44	0.00	0.00
2	15	13	e18	e7.4	17	14	9.6	1.8	0.81	0.42	0.00	0.00
3	23	13	e18	e7.4	16	13	8.6	1.9	6.5	0.37	0.00	0.00
4	111	13	e15	e7.6	16	13	8.1	1.8	110	0.34	0.00	0.00
5	50	12	e15	e7.8	14	13	8.3	2.0	111	0.32	0.00	0.00
6	25	14	e14	e9.0	13	13	7.9	2.7	93	0.31	0.00	0.00
7	18	13	e16	e8.4	11	13	7.5	2.4	78	0.27	0.00	0.00
8	16	13	e14	e8.4	9.9	13	7.3	2.1	56	0.23	0.00	0.00
9	14	14	e12	e8.4	e11	12	7.6	2.0	50	0.21	e0.25	e5.3
10	13	105	e12	e10	e11	12	7.4	1.8	47	0.20	0.00	12
11	13	77	e12	e13	e12	13	7.2	1.6	44	0.19	0.00	5.9
12	13	44	e13	e12	e13	13	6.8	1.5	40	0.14	0.00	e1.2
13	13	33	e11	e11	e14	12	6.6	1.5	39	0.13	0.00	e0.70
14	13	29	e9.2	e11	e15	11	6.3	1.6	35	0.11	0.00	e0.00
15	13	28	e9.6	e11	17	12	6.0	1.7	29	0.09	0.00	0.00
16	12	26	e10	e10	16	12	5.6	1.7	23	0.07	e12	0.00
17	12	26	e11	e9.8	16	55	4.7	1.5	18	0.04	118	0.00
18	12	24	e9.0	e9.6	16	72	4.4	1.6	14	0.02	28	0.00
19	11	23	e7.8	e9.6	16	70	3.9	1.6	9.9	e0.01	15	0.00
20	11	23	e8.6	e11	e17	36	3.5	1.5	7.3	e0.00	6.6	0.00
21	11	27	e7.5	e13	15	27	3.3	1.5	5.6	0.00	2.2	0.00
22	11	25	e7.5	e15	14	21	3.3	1.4	3.5	0.00	e1.0	0.00
23	11	26	e7.5	e16	14	17	3.5	1.3	2.6	0.00	e0.50	0.00
24	12	23	e8.8	e17	14	14	2.8	1.3	1.9	0.00	e0.00	0.00
25	13	23	e8.0	17	14	13	2.4	1.2	1.5	0.00	e2.7	0.00
26	14	22	e7.0	17	19	12	2.1	1.2	1.3	0.00	4.1	0.00
27	14	e19	e7.4	17	15	11	1.9	1.1	1.0	0.00	1.3	0.00
28	14	e17	e7.4	16	15	12	2.0	1.0	0.88	0.00	e0.90	0.00
29	14	e19	e7.8	17	---	11	1.8	1.00	0.66	0.00	e0.00	0.00
30	14	e18	e7.8	17	---	11	1.8	0.92	0.48	0.00	0.00	0.00
31	13	---	e8.4	16	---	10	---	0.91	---	0.00	0.00	---
TOTAL	556.0	775	340.3	368.4	406.9	595	162.2	48.93	831.79	3.91	192.55	25.10
MEAN	17.9	25.8	11.0	11.9	14.5	19.2	5.41	1.58	27.7	0.13	6.21	0.84
MAX	111	105	20	17	19	72	10	2.7	111	0.44	118	12
MIN	7.0	12	7.0	7.4	9.9	10	1.8	0.91	0.48	0.00	0.00	0.00
AC-FT	1,100	1,540	675	731	807	1,180	322	97	1,650	7.8	382	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910-18, 1946-2003, BY WATER YEAR (WY)

MEAN	90.3	66.4	45.9	42.7	69.1	103	100	286	531	150	86.9	75.0
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	0.85	5.68	11.0	11.9	14.5	19.2	5.41	1.58	1.09	0.13	0.38	0.11
(WY)	(1957)	(1978)	(2003)	(2003)	(2003)	(2003)	(2003)	(2003)	(1977)	(2003)	(1960)	(1956)

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910-18, 1946-2003	
ANNUAL TOTAL	6,815.65		4,306.08			
ANNUAL MEAN	18.7		11.8		137	
HIGHEST ANNUAL MEAN					483	1984
LOWEST ANNUAL MEAN					11.8	2003
HIGHEST DAILY MEAN	754	Sep 13	118	Aug 17	7,300	Oct 8, 1916
LOWEST DAILY MEAN	0.00	Jun 18	0.00	Jul 20	0.00	Aug 24, 1910
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 18	0.00	Jul 20	0.00	Aug 15, 1915
ANNUAL RUNOFF (AC-FT)	13,520		8,540		99,260	
10 PERCENT EXCEEDS	29		23		300	
50 PERCENT EXCEEDS	11		9.0		49	
90 PERCENT EXCEEDS	0.00		0.00		10	

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, 5,230 microsiemens/cm, May 16; minimum observed, 770 microsiemens/cm, Jun 9.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conductance, wat unf uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
MAR 25...	0815	2.22	13	8.0	2,890	8.0	7.0	2,420
APR 30...	0800	1.99	1.7	7.9	4,770	11.0	10.0	4,480
JUN 03...	0830	1.99	0.82	7.8	5,550	22.5	18.0	5,250
JUL 14...	0830	1.85	0.15	7.6	6,100	25.0	22.0	5,880
AUG 26...	0855	2.02	4.3	7.7	3,600	23.5	20.0	3,300

Date	Time	Hardness, water, unfltrd mg/L as CaCO3 (00900)	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)	ANC, wat unf fixed end pt, lab, mg/L as CaCO3 (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)
MAR 25...	0815	930	209	98.7	8.93	5	361	46	326	75.3	0.49	8.8	1,330

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrite water, fltrd, mg/L (71856)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)	Carbon dioxide water, unfltrd mg/L (00405)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, fltrd, tons/d (70302)	Residue water, fltrd, sum of constituents mg/L (70301)	Boron, water, fltrd, ug/L (01020)	Selenium, water, fltrd, ug/L (01145)
MAR 25...	E.03	1.25	1.26	5.53	0.033	0.010	<0.02	6.3	3.29	82.8	2,290	218	3

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

09328500 SAN RAFAEL RIVER NEAR GREEN RIVER, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY INSTANTANEOUS VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	3,440	---	---	---	3,730	3,880	4,190	2,460	---	---
2	3,140	---	---	3,780	3,280	---	3,930	3,790	4,320	2,610	---	---
3	---	3,720	---	---	---	3,540	3,900	3,870	4,220	2,670	---	3,150
4	---	---	---	---	---	---	---	3,810	1,230	2,680	---	---
5	---	---	2,730	3,590	---	---	3,990	3,770	800	2,780	---	---
6	2,010	---	---	---	3,380	3,450	4,000	4,230	800	2,850	---	---
7	---	---	---	---	---	---	4,030	4,450	820	2,920	---	1,400
8	---	3,730	2,840	3,500	---	---	4,000	4,290	800	3,050	---	---
9	---	---	---	---	3,360	3,740	4,010	4,180	770	---	---	---
10	2,330	3,060	---	---	---	---	4,020	4,040	800	---	---	---
11	---	---	---	---	---	---	4,070	4,030	930	---	---	2,760
12	---	---	3,280	3,220	3,590	3,940	4,090	4,320	990	---	---	---
13	---	---	---	---	---	---	4,090	4,710	950	---	---	---
14	2,890	2,610	---	---	---	---	4,100	4,890	1,000	---	---	2,610
15	---	---	3,290	---	---	---	4,090	5,040	910	---	---	---
16	---	---	---	3,230	---	3,970	4,060	5,230	1,150	---	---	---
17	3,270	---	---	---	3,320	---	3,960	4,670	1,220	---	---	---
18	---	2,850	---	---	---	---	3,900	4,310	1,220	---	3,000	2,940
19	---	---	3,380	---	---	---	3,860	4,140	1,200	---	---	---
20	3,650	---	---	3,250	3,210	1,770	3,850	4,450	---	---	1,760	---
21	---	3,670	---	---	---	---	3,900	4,270	---	---	---	---
22	---	---	3,270	---	---	---	3,890	4,170	1,840	---	---	2,980
23	---	---	---	3,500	3,560	2,970	3,920	4,170	1,820	---	---	---
24	3,410	3,310	---	---	---	---	3,970	4,380	1,780	---	3,440	---
25	---	---	3,430	---	---	---	3,940	4,080	1,930	---	---	---
26	---	---	---	3,490	3,150	---	3,930	3,940	1,970	---	---	3,030
27	---	3,110	---	---	---	3,460	3,860	3,850	2,120	---	3,780	---
28	3,610	---	---	---	---	---	3,850	3,890	2,360	---	---	3,040
29	---	---	3,620	---	---	---	3,800	4,040	2,360	---	---	---
30	---	---	---	3,130	---	---	3,900	4,290	2,490	---	---	---
31	3,210	---	---	---	---	3,580	---	4,310	---	---	3,320	---
MEAN	3,060	3,260	3,250	3,410	3,360	3,380	3,950	4,240	1,680	2,750	3,060	2,740

09330000 FREMONT RIVER NEAR BICKNELL, UT

LOCATION.--Lat 38°18'25", long 111°31'05", in SW¼NE¼NW¼ sec. 7, T. 29 S., R. 4 E., Wayne County, Hydrologic Unit 14070003, on left bank 150 ft upstream of county road bridge, 1.2 mi downstream of Pine Creek, and 2.9 mi southeast of Bicknell along Highway U-24.

DRAINAGE AREA.--751 mi^2.

PERIOD OF RECORD.--May 1909 to December 1912 (published as "near Thurber") October 1937 to September 1958 (1944-46, fragmentary), October 1976 to current year.

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

GAGE.--Water-stage recorder. Elevation of gage is 6,920 ft above NGVD of 1929, from topographic map. May 1909 to December 1912, staff gage near present site. October 1937 to June 28, 1949, staff gages on two canals and river station about 0.25 mi down- stream. June 28, 1949 to April 29, 1958, water-stage recorders on river and canal site. April 29 to September 30, 1958, staff gage on river at site 600 ft further downstream from water-stage recorder. October 1, 1976 to April 2, 1990, water-stage recorder at site about 150 ft downstream at datum 3.00 ft higher. Gages at different datums prior to 1976.

REMARKS.--Records good except for periods of heavy moss growth in the channel from June to November and estimated daily discharges, which are poor. Diversions for irrigation of about 10,600 acres above station. Flow regulated by Fish Lake, Johnson, Forsyth, and Mill Meadow Reservoirs (combined capacity about 232,000 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,200 ft^3/s, Apr 4, 1942, gage height, 5.8 ft, site and datum in use from floodmarks and rating curve extended above 700 ft^3/s, maximum gage height, 7.59 ft Apr 24, 1998; minimum observed discharge, 18 ft^3/s, Jun 2, 4, 13-15, 17-18, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 674 ft^3/s, Mar 14, gage height, 7.35 ft; minimum daily discharge, 52 ft^3/s, Jul 11, 12, 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	77	89	82	100	92	181	80	63	54	65	70
2	66	77	89	83	97	98	194	78	65	56	66	66
3	72	75	88	85	92	97	118	74	62	55	59	66
4	71	79	85	85	94	96	86	76	58	54	56	65
5	70	80	85	87	94	95	85	76	58	55	55	65
6	67	81	84	88	e90	97	83	77	58	56	54	65
7	67	83	85	89	e85	97	84	79	57	55	53	66
8	69	84	86	89	87	95	83	76	58	56	57	68
9	68	105	84	90	e85	95	78	79	59	55	72	66
10	69	99	85	93	86	101	76	74	59	53	68	64
11	67	91	86	95	89	112	91	74	58	52	61	64
12	65	85	86	90	88	183	107	72	60	52	60	63
13	65	87	86	89	91	320	111	71	60	52	57	62
14	65	87	87	89	96	549	127	76	58	53	57	61
15	65	83	90	90	96	433	128	86	58	54	58	62
16	65	83	88	89	95	300	89	81	58	54	59	62
17	66	86	89	91	95	236	81	81	58	57	64	60
18	67	84	e85	91	97	143	77	80	59	61	60	59
19	67	84	e77	92	93	99	78	71	59	57	56	59
20	67	85	78	94	96	91	80	68	58	56	57	61
21	68	86	e77	95	93	87	80	66	58	57	59	62
22	70	86	79	95	91	84	83	65	58	61	61	61
23	72	86	80	96	e87	137	86	65	57	57	61	61
24	72	85	82	97	92	304	83	63	58	60	66	61
25	71	85	78	98	95	279	80	64	60	57	64	60
26	74	80	e73	97	97	196	87	63	58	56	62	60
27	87	80	74	99	93	146	100	61	56	61	62	59
28	82	82	78	100	94	97	98	61	55	60	60	59
29	78	84	82	98	---	88	93	62	55	59	63	59
30	78	86	79	98	---	87	88	64	55	55	91	59
31	77	---	84	101	---	88	---	62	---	54	81	---
TOTAL	2,174	2,535	2,578	2,855	2,588	5,022	2,915	2,225	1,753	1,734	1,924	1,875
MEAN	70.1	84.5	83.2	92.1	92.4	162	97.2	71.8	58.4	55.9	62.1	62.5
MAX	87	105	90	101	100	549	194	86	65	61	91	70
MIN	65	75	73	82	85	84	76	61	55	52	53	59
AC-FT	4,310	5,030	5,110	5,660	5,130	9,960	5,780	4,410	3,480	3,440	3,820	3,720

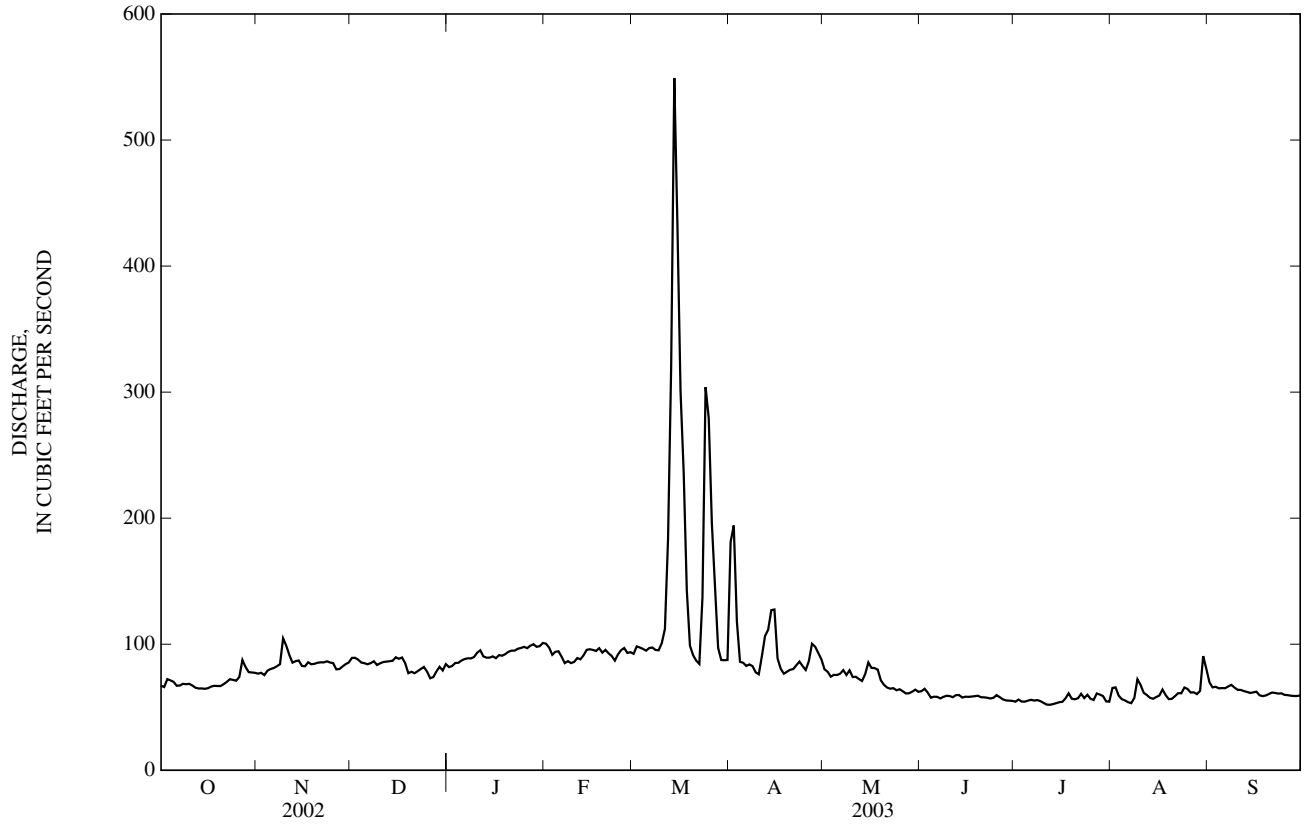
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2003, BY WATER YEAR (WY)

MEAN	85.6	90.9	86.6	89.2	96.2	112	119	86.4	70.7	67.5	74.2	77.0
MAX	145	140	133	131	135	243	412	163	174	135	139	119
(WY)	(1985)	(1985)	(1985)	(1985)	(1984)	(1997)	(1987)	(1985)	(1984)	(1984)	(1984)	(1984)
MIN	54.1	59.7	63.7	66.1	70.0	66.4	63.3	58.7	46.1	50.7	46.3	51.4
(WY)	(1980)	(1980)	(1979)	(1980)	(1980)	(1980)	(1980)	(1981)	(1980)	(1980)	(1980)	(1978)

09330000 FREMONT RIVER NEAR BICKNELL, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1977 - 2003	
ANNUAL TOTAL	26,907		30,178			
ANNUAL MEAN	73.7		82.7		87.9	
HIGHEST ANNUAL MEAN					138	1985
LOWEST ANNUAL MEAN					60.2	1980
HIGHEST DAILY MEAN	105	Nov 9	549	Mar 14	965	Mar 21, 1997
LOWEST DAILY MEAN	48	Jul 29	52	Jul 11	34	Jul 31, 1986
ANNUAL SEVEN-DAY MINIMUM	50	Jul 11	53	Jul 10	38	Jul 29, 1986
ANNUAL RUNOFF (AC-FT)	53,370		59,860		63,660	
10 PERCENT EXCEEDS	93		97		115	
50 PERCENT EXCEEDS	77		78		82	
90 PERCENT EXCEEDS	51		57		56	

e Estimated



09330230 FREMONT RIVER NEAR CAINEVILLE, UT

LOCATION.--Lat 38°16'45", long 111°03'54"(corrected), in NE¼NE¼NE¼ sec. 20, T. 29 S., R. 8 E., Wayne County, Hydrologic Unit 14070003, on right bank 2.3 mi downstream from Pleasant Creek, 4.5 mi southwest of Caineville, and 9.8 mi east of Fruita.

DRAINAGE AREA.--1,208 mi^2.

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since July 11, 2001. Elevation of gage is 4,760 ft above NGVD of 1929, from topo- graphic map. Prior to May 16, 1996 at site 500 ft upstream at datum 6.0 ft higher.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,800 ft^3/s, Jul 24, 1984, gage height, 10.20 ft, from rating curve extended above 640 ft^3/s on basis of slope-area measurement at gage heights of 6.90 ft and 7.20 ft datum then in use and slope-conveyance study; minimum discharge, 8 ft^3/s, Jun 29, 1994.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 15	0130	1,060	6.87	Aug 23	1900	*7,170	*12.10
Aug 8	1730	1,660	7.37	Sep 6	2015	989	6.92
Aug 16	0445	3,580	8.62				

Minimum daily discharge, 16 ft^3/s, May 29, Jul 8, 9, 10.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	76	92	91	96	92	e140	54	24	21	35	51
2	57	76	93	84	94	95	211	49	22	21	49	43
3	e80	75	92	91	84	98	176	47	17	21	39	42
4	e59	75	91	92	86	99	101	45	18	22	33	38
5	e54	79	90	89	88	93	81	44	21	20	26	40
6	e51	80	88	91	81	94	79	43	28	22	23	99
7	e50	81	89	91	80	97	76	46	29	20	23	52
8	e51	84	89	89	81	94	72	47	29	16	72	42
9	47	105	86	91	84	91	69	47	31	16	41	39
10	46	114	89	92	90	94	59	52	32	16	43	39
11	48	94	91	98	94	103	55	48	28	19	33	39
12	49	88	89	94	91	134	69	43	29	22	32	38
13	49	86	91	90	94	240	89	39	32	21	32	37
14	50	87	89	90	99	466	106	39	32	20	28	36
15	51	84	93	90	102	785	123	52	29	21	25	33
16	51	82	91	86	98	e480	85	53	28	24	195	32
17	50	84	94	89	98	e360	62	46	24	26	31	30
18	54	84	88	89	97	e260	56	43	24	28	30	29
19	54	87	73	91	92	e120	54	37	30	31	24	36
20	58	87	81	91	93	e110	56	29	30	32	22	35
21	54	87	83	94	91	e110	55	27	29	29	21	35
22	54	87	88	95	85	e100	50	32	29	27	25	34
23	57	87	90	94	80	e160	54	40	28	27	1,050	33
24	59	88	91	95	92	e300	51	37	23	27	116	32
25	60	88	84	96	95	e400	49	38	24	31	57	31
26	63	83	72	96	100	e300	48	34	29	33	47	30
27	84	78	82	95	97	e260	58	31	27	33	44	34
28	77	82	86	96	96	e180	67	21	31	36	42	33
29	71	83	92	96	---	e120	64	16	29	30	39	33
30	80	86	88	93	---	e90	59	19	28	28	52	31
31	76	---	92	96	---	e90	---	28	---	23	67	---
TOTAL	1,798	2,557	2,727	2,855	2,558	6,115	2,374	1,226	814	763	2,396	1,156
MEAN	58.0	85.2	88.0	92.1	91.4	197	79.1	39.5	27.1	24.6	77.3	38.5
MAX	84	114	94	98	102	785	211	54	32	36	1,050	99
MIN	46	75	72	84	80	90	48	16	17	16	21	29
AC-FT	3,570	5,070	5,410	5,660	5,070	12,130	4,710	2,430	1,610	1,510	4,750	2,290

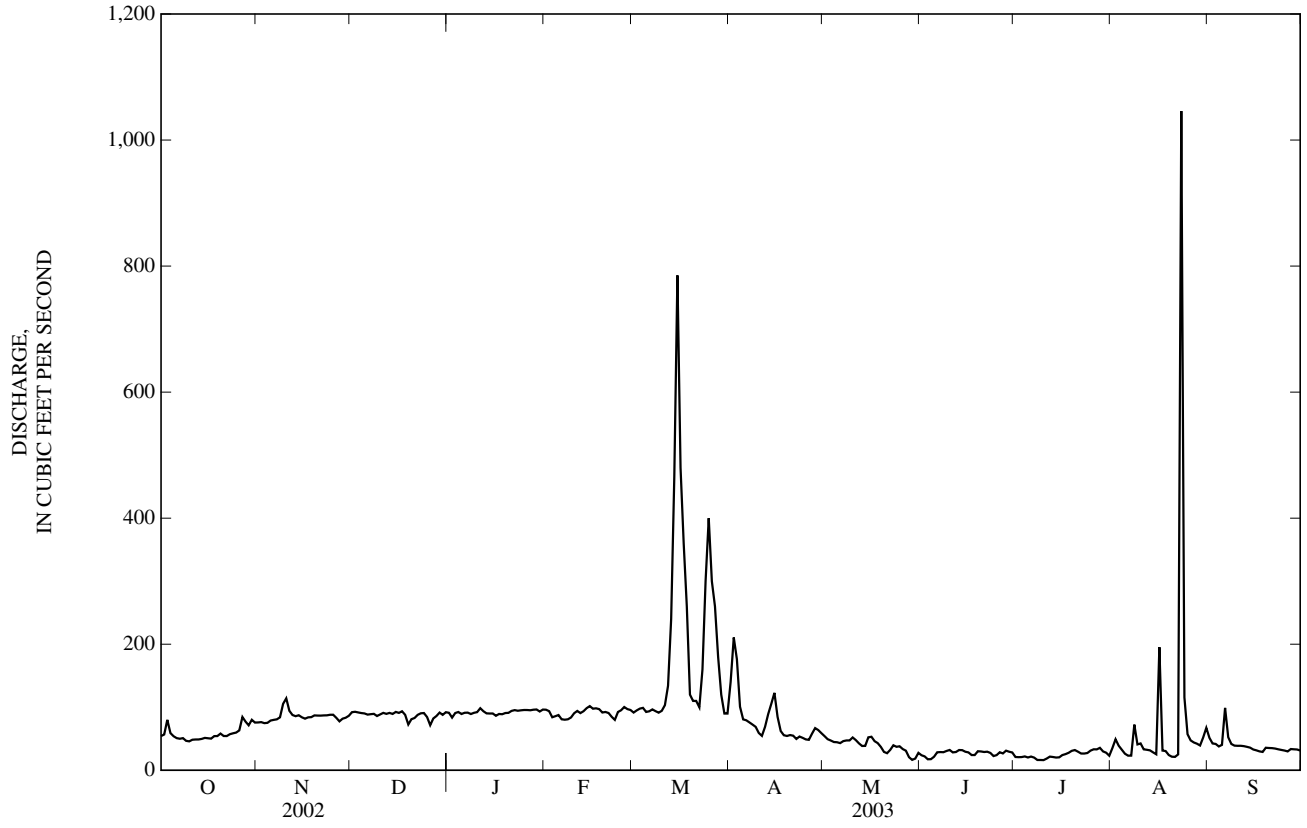
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2003, BY WATER YEAR (WY)

MEAN	69.0	87.7	89.3	92.0	97.7	107	95.0	61.5	41.5	45.1	58.0	59.3
MAX	122	133	134	136	143	197	334	213	155	171	162	161
(WY)	(1985)	(1985)	(1986)	(1985)	(1985)	(2003)	(1987)	(1973)	(1983)	(1985)	(1971)	(1997)
MIN	38.0	58.6	66.7	60.2	82.5	79.3	50.5	26.6	20.4	23.0	24.0	23.8
(WY)	(1980)	(1982)	(1969)	(1975)	(1979)	(1981)	(1996)	(1974)	(1997)	(1994)	(1978)	(1978)

09330230 FREMONT RIVER NEAR CAINEVILLE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1968 - 2003	
ANNUAL TOTAL	22,295		27,339			
ANNUAL MEAN	61.1		74.9		75.1	
HIGHEST ANNUAL MEAN					133	1985
LOWEST ANNUAL MEAN					56.6	1978
HIGHEST DAILY MEAN	209	Sep 12	1,050	Aug 23	1,200	Jul 19, 1985
LOWEST DAILY MEAN	16	Aug 15	16	May 29	12	Jun 27, 1980
ANNUAL SEVEN-DAY MINIMUM	17	Aug 13	18	Jul 5	13	Jun 9, 1981
ANNUAL RUNOFF (AC-FT)	44,220		54,230		54,440	
10 PERCENT EXCEEDS	95		98		109	
50 PERCENT EXCEEDS	57		59		75	
90 PERCENT EXCEEDS	24		26		29	

e Estimated



09330500 MUDDY CREEK NEAR EMERY, UT

LOCATION.--Lat 38°58'55", long 111°14'55", in NE¼NW¼NE¼ sec. 21, T. 21 S., R. 6 E., Emery County, Hydrologic Unit 14070002, on left bank 100 ft upstream from Emery Canal and 4.1 mi north of Emery.

DRAINAGE AREA.--105 mi^2.

PERIOD OF RECORD.--April to July 1909, July 1910 to July 1914, June 1949 to current year.

REVISED RECORDS.--WSP 1633: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map. April 29 to July 31, 1909, reference point. July 23, 1910 to July 16, 1914, staff gages, at sites about 1 mi upstream at different datums. June 29, 1949 to May 1, 1957, water-stage recorder at site 100 ft upstream at datum 2.89 ft higher prior to March 20, 1953, and at datum 1.89 ft higher thereafter.

REMARKS.--Records fair except for estimated daily discharges, which are poor. One small diversion for irrigation and two storage reservoirs (total capacity 700 acre-ft) above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,340 ft^3/s, May 10, 1952, gage height, 11.14 ft, present datum from rating curve extended above 400 ft^3/s, on basis of slope-area measurement of peak flow; no flow Apr 13-16, 1911.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 400 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 23	1715	*879	*5.72				

Minimum daily discharge, 2.8 ft^3/s, Feb 5.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	12	e7.4	e4.6	e4.5	e5.6	26	30	e190	57	46	28
2	14	e8.2	e6.9	e4.4	e3.8	e6.2	16	31	e212	55	45	25
3	20	e8.0	e6.9	e4.6	e3.4	e6.6	10	33	e200	54	49	23
4	14	e8.4	e7.1	e4.6	e3.0	e6.9	e7.0	33	e190	52	43	23
5	14	e9.0	e7.3	e4.8	e2.8	e6.9	8.8	33	e180	51	42	23
6	13	e10	e7.6	e4.9	e2.9	e7.5	7.5	30	e170	49	41	e42
7	13	e11	e7.3	e5.0	e2.9	8.2	8.1	30	e160	48	41	25
8	13	14	e7.0	e4.8	e3.1	8.1	8.3	33	e142	47	42	23
9	12	18	e6.7	e4.6	e3.2	e8.4	14	33	e142	46	42	23
10	12	11	e6.4	e4.7	e3.1	11	19	30	e135	45	42	26
11	12	11	e6.4	e4.9	e3.3	31	24	30	e135	45	41	23
12	9.6	9.2	e6.6	e4.7	e3.4	54	26	35	e129	59	40	22
13	9.7	13	e6.3	e4.7	e3.5	65	30	46	114	58	40	21
14	9.9	11	e6.3	e4.5	e3.7	27	28	54	102	57	e42	21
15	9.7	e10	e6.6	e4.7	e4.0	14	23	68	96	55	e39	21
16	10	e9.6	e6.6	e4.7	e3.9	15	15	80	90	54	e50	21
17	10	e9.6	e6.8	e4.5	e3.8	13	18	87	89	49	e45	e21
18	10	e9.8	e6.0	e4.5	e3.8	10	16	99	84	42	e40	e20
19	9.9	e9.8	e5.0	e4.5	e3.8	9.3	15	103	82	42	e37	e20
20	9.8	e10	e5.0	e4.7	e4.3	11	16	102	82	e51	35	e20
21	9.9	11	e4.4	e4.5	e4.9	14	20	102	79	e49	36	e19
22	11	11	e4.4	e4.5	e4.7	26	20	118	77	e48	40	e19
23	11	10	e4.9	e4.7	e4.5	30	17	122	73	e47	76	19
24	11	11	e4.7	e4.8	e4.5	20	21	120	74	e46	35	18
25	11	10	e4.3	e5.0	e5.0	15	31	120	70	46	34	18
26	11	e8.8	e3.9	e4.6	e5.8	14	38	128	69	45	32	18
27	12	e8.0	e4.1	e4.7	e5.2	10	38	142	66	46	31	17
28	11	e8.4	e4.5	e4.7	e5.2	9.0	36	161	64	46	30	17
29	10	e8.7	e4.5	e4.7	---	9.4	34	166	61	e49	29	17
30	8.7	e8.0	e4.3	e4.2	---	13	31	174	59	e46	27	17
31	12	---	e4.4	e4.3	---	24	---	e180	---	46	24	---
TOTAL	355.2	307.5	180.6	144.1	110.0	509.1	621.7	2,553	3,416	1,530	1,236	650
MEAN	11.5	10.2	5.83	4.65	3.93	16.4	20.7	82.4	114	49.4	39.9	21.7
MAX	20	18	7.6	5.0	5.8	65	38	180	212	59	76	42
MIN	8.7	8.0	3.9	4.2	2.8	5.6	7.0	30	59	42	24	17
AC-FT	705	610	358	286	218	1,010	1,230	5,060	6,780	3,030	2,450	1,290

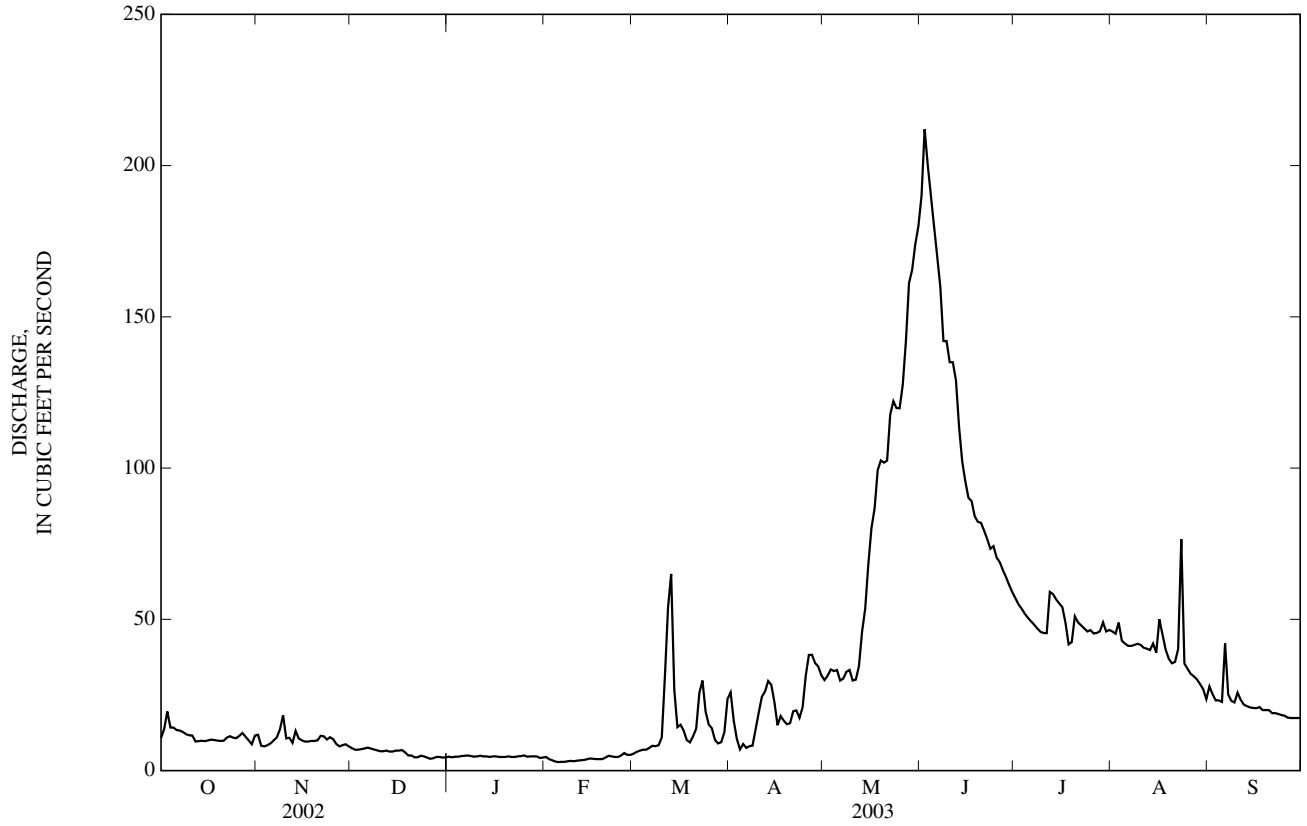
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911-13, 1950-2003, BY WATER YEAR (WY)

MEAN	18.1	11.9	9.34	8.31	8.81	12.7	32.0	103	123	69.1	40.5	25.9
MAX	60.9	34.8	22.6	22.0	24.6	37.7	112	306	330	239	104	59.7
(WY)	(1985)	(1985)	(1985)	(1998)	(1998)	(1911)	(1985)	(1952)	(1983)	(1983)	(1983)	(1983)
MIN	4.78	3.73	2.00	2.00	3.09	4.15	7.84	14.2	15.7	17.1	7.55	9.58
(WY)	(1978)	(1912)	(1912)	(1911)	(1911)	(1995)	(1967)	(1977)	(1977)	(1977)	(1977)	(1977)

09330500 MUDDY CREEK NEAR EMERY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1911-13, 1950-2003	
ANNUAL TOTAL	6,740.3		11,613.2			
ANNUAL MEAN	18.5		31.8		38.3	
HIGHEST ANNUAL MEAN					86.1	1983
LOWEST ANNUAL MEAN					9.40	1977
HIGHEST DAILY MEAN	62	May 20	212	Jun 2	664	Aug 11, 1995
LOWEST DAILY MEAN	3.9	Dec 26	2.8	Feb 5	0.00	Apr 13, 1911
ANNUAL SEVEN-DAY MINIMUM	4.3	Dec 25	3.0	Feb 4	1.0	Apr 10, 1911
ANNUAL RUNOFF (AC-FT)	13,370		23,030		27,770	
10 PERCENT EXCEEDS	41		79		98	
50 PERCENT EXCEEDS	12		16		17	
90 PERCENT EXCEEDS	5.4		4.5		7.0	

e Estimated



09333500 DIRTY DEVIL RIVER ABOVE POISON SPRING WASH, NEAR HANKSVILLE, UT

LOCATION.--Lat 38°05'39", long 110°24'24", in SE¼SW¼SE¼ sec. 20, T. 31 S., R.14 E., Garfield County, Hydrologic Unit 14070004, on right bank 0.25 mi upstream from Poison Spring Wash and 25.5 mi southeast of Hanksville.

DRAINAGE AREA.--4,159 mi^2.

PERIOD OF RECORD.--June 1948 to September 30, 1993, May 2, 2001 to current year.

REVISED RECORDS.--WDR UT-77-1: Drainage area. WDR UT-80-1: 1979, 1977-79(P).

GAGE.--Water-stage recorder. Elevation of gage is 3,850 ft above NGVD of 1929, from topographic map. Prior to July 15, 1964, at site 28 mi downstream at different datum. July 15, 1964 to December 14, 1976, approximately 1,200 ft upstream at datum 4.83 ft higher. December 15, 1976 to September 30, 1980 at site 400 ft upstream at datum 4.28 ft higher.

REMARKS.--Records poor. Many diversions for irrigation above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 35,000 ft^3/s Nov 4, 1957, gage height, 28.1 from floodmarks, site and datum then in use, from rating curve extended above 9,000 ft^3/s on basis of slope-area measurement at gage height 20.65; no flow at times many years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 24	1915	*1,170	*9.17				

No flow many days in Jun, Jul, and Aug.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	e87	84	91	e100	123	95	55	29	e0.00	0.00	e22
2	e125	81	88	92	e98	117	95	54	32	e0.00	e0.00	e23
3	e70	87	93	88	e95	112	132	50	31	e0.00	e2.0	e23
4	e95	e90	90	e90	e90	114	138	42	37	e0.00	e0.00	e25
5	e90	e90	89	96	e85	116	109	40	36	e0.00	e0.00	e85
6	e65	e95	91	97	e80	112	98	43	36	e0.00	e0.00	e70
7	e70	e85	90	101	e78	108	92	43	33	e0.00	e0.00	329
8	e65	e90	88	100	e75	109	83	42	30	e0.00	e0.00	66
9	e60	e100	88	98	e80	107	87	39	29	e0.00	e105	40
10	e70	e110	86	100	e94	108	90	38	26	e0.00	23	e25
11	e60	e100	86	104	e94	112	86	38	24	e0.00	11	e23
12	e55	e98	84	105	e101	108	81	42	24	e0.00	e1.0	e19
13	e60	e90	85	103	106	113	82	41	22	e0.00	e0.00	e17
14	e55	e90	88	100	111	155	84	36	24	e0.00	e0.00	e15
15	e60	e88	86	102	115	267	81	34	e22	e0.00	e1.0	e13
16	e65	e90	88	98	115	372	80	32	e20	e0.00	e5.0	e13
17	e70	e88	92	97	114	295	79	35	e18	e0.00	140	e12
18	e90	e85	93	98	115	273	81	36	15	e0.00	e50	12
19	96	e90	93	97	114	217	70	35	12	e0.00	e20	11
20	94	e100	e88	96	113	150	67	31	e9.0	e0.00	e10	12
21	e91	e96	e79	e95	110	124	64	28	e7.0	e0.00	e7.0	11
22	e85	e90	81	e98	113	113	65	27	e5.0	e0.00	e8.0	11
23	e90	e95	84	e96	111	104	54	27	e3.0	e1.0	e18	11
24	e80	e95	86	e95	109	104	55	e27	e3.0	e0.00	e465	11
25	e75	e98	89	e97	110	139	54	e26	e1.0	e0.00	159	10
26	e70	e90	85	e98	126	210	52	e27	e1.0	e0.00	e45	10
27	e65	e80	75	e98	148	188	46	e30	e0.00	e0.00	e34	e10
28	e65	85	76	e99	138	156	43	29	e0.00	e0.00	e22	e14
29	e90	83	78	e99	---	129	45	e26	e0.00	e0.00	e16	e18
30	e80	82	80	e98	---	106	52	e24	e0.00	0.00	e15	e19
31	e90	---	87	e99	---	104	---	e28	---	0.00	e18	---
TOTAL	2,476	2,728	2,670	3,025	2,938	4,665	2,340	1,105	529.00	1.00	1,175.00	980
MEAN	79.9	90.9	86.1	97.6	105	150	78.0	35.6	17.6	0.032	37.9	32.7
MAX	180	110	93	105	148	372	138	55	37	1.0	465	329
MIN	55	80	75	88	75	104	43	24	0.00	0.00	0.00	10
AC-FT	4,910	5,410	5,300	6,000	5,830	9,250	4,640	2,190	1,050	2.0	2,330	1,940

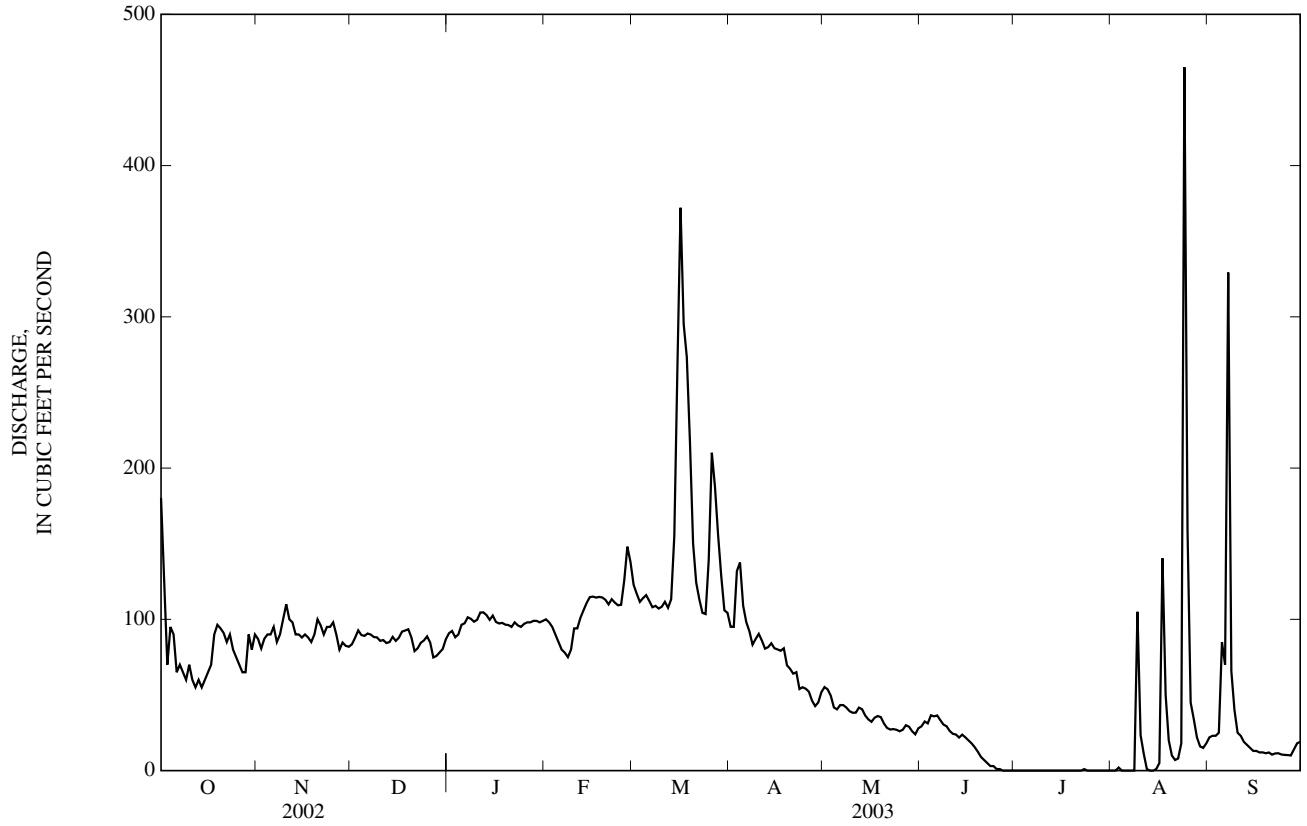
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949-93, 2001-2003, BY WATER YEAR (WY)

MEAN	97.6	126	96.4	98.2	135	138	106	81.4	66.7	54.8	91.2	88.1
MAX	666	1,059	174	158	277	320	384	280	549	277	538	635
(WY)	(1958)	(1958)	(1985)	(1950)	(1978)	(1949)	(1985)	(1958)	(1983)	(1950)	(1957)	(1961)
MIN	25.6	52.5	22.8	33.5	43.5	68.9	15.8	1.34	0.000	0.000	0.16	0.23
(WY)	(1956)	(1978)	(1979)	(1979)	(1979)	(1967)	(1967)	(1972)	(1977)	(1991)	(1960)	(1979)

09333500 DIRTY DEVIL RIVER ABOVE POISON SPRING WASH, NEAR HANKSVILLE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1949-93, 2001- 2003	
ANNUAL TOTAL	27,197.10		24,632.00			
ANNUAL MEAN	74.5		67.5		98.2	
HIGHEST ANNUAL MEAN					250	1958
LOWEST ANNUAL MEAN					51.1	1956
HIGHEST DAILY MEAN	2,330	Sep 12	465	Aug 24	14,000	Nov 4, 1957
LOWEST DAILY MEAN	0.00	Jun 15	0.00	Jun 27	0.00	Jun 5, 1954
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 15	0.00	Jun 27	0.00	Jul 1, 1960
ANNUAL RUNOFF (AC-FT)	53,950		48,860		71,160	
10 PERCENT EXCEEDS	125		113		174	
50 PERCENT EXCEEDS	75		79		78	
90 PERCENT EXCEEDS	0.00		0.00		1.5	

e Estimated



09337000 PINE CREEK NEAR ESCALANTE, UT

LOCATION.--Lat 37°51'45", long 111°38'07", in SW¼NE¼SW¼ sec. 12, T. 34 S., R. 2 E., Garfield County, Hydrologic Unit 14070005, Dixie National Forest, on right bank 0.1 mi downstream from "The Box" canyon, 0.2 mi upstream from unnamed right bank tributary, and 7.0 mi north of Escalante.

DRAINAGE AREA.--68.1 mi^2.

PERIOD OF RECORD.--July 1950 to September 1955, July 1957 to current year.

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

GAGE.--Water-stage recorder. Crest-stage gage since June 16, 1994. Elevation of gage is 6,400 ft above NGVD of 1929, from topographic map. Prior to August 15, 1978, on left bank at same datum.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s and estimated daily discharges, which are poor. Some regulation of low flow several small headwater reservoirs (combined capacity 2,120 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,010 ft^3/s, Aug 2, 1967, gage height, 7.72 ft, from rating curve extended above 180 ft^3/s on basis of slope-area measurement at gage heights, 4.21 ft and 7.52 ft; no flow at times in some years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 17	0015	*31	*2.28				

Minimum daily discharge, 0.52 ft^3/s, Jul 19.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	2.9	e3.8	e2.9	1.9	1.7	2.5	5.1	2.5	3.2	0.64	1.00
2	3.5	2.8	e3.5	e3.2	1.8	1.7	2.4	4.2	2.3	3.1	0.80	1.0
3	3.7	2.3	e3.4	e2.6	1.8	1.7	2.2	6.1	2.3	3.0	0.68	1.2
4	3.2	2.7	e3.2	e2.7	e1.4	1.7	2.1	4.5	2.2	2.8	0.63	1.4
5	3.1	2.8	e2.9	e2.7	e1.4	1.6	2.3	3.6	2.6	2.6	0.59	1.6
6	3.1	2.8	e2.8	e2.5	e1.7	1.5	2.0	3.4	3.3	2.5	0.55	1.9
7	3.0	2.8	e3.3	e2.7	e1.9	1.7	2.1	3.3	3.7	2.2	0.55	1.4
8	2.9	3.0	e3.3	e2.5	e1.8	1.9	2.2	3.1	3.3	1.9	0.62	1.3
9	2.8	3.4	e2.8	e2.3	e2.0	1.9	2.2	3.1	2.9	1.5	1.2	1.2
10	2.7	3.0	e2.6	e2.3	e1.9	1.9	2.3	3.1	2.4	1.2	0.79	1.2
11	2.7	3.0	e2.6	e2.4	e1.9	2.1	2.3	3.1	2.1	0.86	0.91	1.2
12	2.7	2.5	e2.7	e2.2	e1.8	2.3	2.4	3.8	3.9	0.72	0.81	1.2
13	2.7	3.2	e2.8	e2.2	e2.0	2.6	2.5	5.7	4.4	0.61	0.67	1.2
14	2.7	3.0	e3.3	e2.2	e2.2	2.5	2.8	5.0	4.4	0.56	0.60	1.1
15	2.6	2.6	e3.4	e2.1	e2.4	2.1	5.7	6.0	4.4	0.55	1.9	1.1
16	2.6	3.1	e3.5	e2.0	e2.0	2.3	3.8	6.8	4.3	0.55	1.2	1.1
17	2.6	3.9	e3.7	e2.1	e2.0	2.2	4.2	13	4.3	0.55	1.00	1.0
18	2.6	3.0	e3.0	e2.0	e1.9	2.0	3.2	6.5	4.4	0.54	0.81	1.00
19	2.6	3.7	e3.4	e2.0	1.8	1.8	2.8	5.6	4.6	0.52	0.66	1.0
20	2.6	3.2	e2.7	e2.0	1.9	1.8	2.6	6.6	4.3	0.54	0.64	1.1
21	2.6	3.1	e2.7	e2.1	1.8	1.9	2.6	6.9	4.3	0.70	0.62	1.0
22	2.7	3.1	e2.9	e2.0	1.9	2.1	2.9	5.4	4.2	0.69	0.62	1.0
23	2.8	3.0	e3.4	e2.1	1.9	2.5	2.6	3.7	4.1	0.56	1.4	1.00
24	2.8	2.8	e3.4	e2.0	2.2	2.6	2.7	3.2	4.0	0.64	2.8	1.00
25	2.8	2.6	e3.0	e1.9	1.9	2.3	2.7	3.1	4.2	0.75	1.5	1.00
26	3.4	e2.2	e2.4	e1.8	1.8	2.4	7.1	2.9	4.0	0.62	1.2	1.00
27	3.6	e2.3	e1.6	1.7	3.1	2.5	15	2.8	3.8	0.56	1.1	1.00
28	3.2	e2.1	e1.5	1.7	2.0	2.0	15	2.6	3.6	0.58	1.1	1.00
29	2.9	e2.3	e1.6	1.8	---	2.1	11	2.5	3.5	1.1	1.0	1.00
30	2.6	e2.8	e2.4	1.9	---	2.3	6.3	2.5	3.3	0.94	1.0	1.00
31	2.8	---	e2.8	1.9	---	2.4	---	2.7	---	0.72	1.0	---
TOTAL	88.6	86.0	90.4	68.5	54.1	64.1	122.5	139.9	107.6	37.86	29.59	34.20
MEAN	2.86	2.87	2.92	2.21	1.93	2.07	4.08	4.51	3.59	1.22	0.95	1.14
MAX	3.7	3.9	3.8	3.2	3.1	2.6	15	13	4.6	3.2	2.8	1.9
MIN	2.0	2.1	1.5	1.7	1.4	1.5	2.0	2.5	2.1	0.52	0.55	1.0
AC-FT	176	171	179	136	107	127	243	277	213	75	59	68

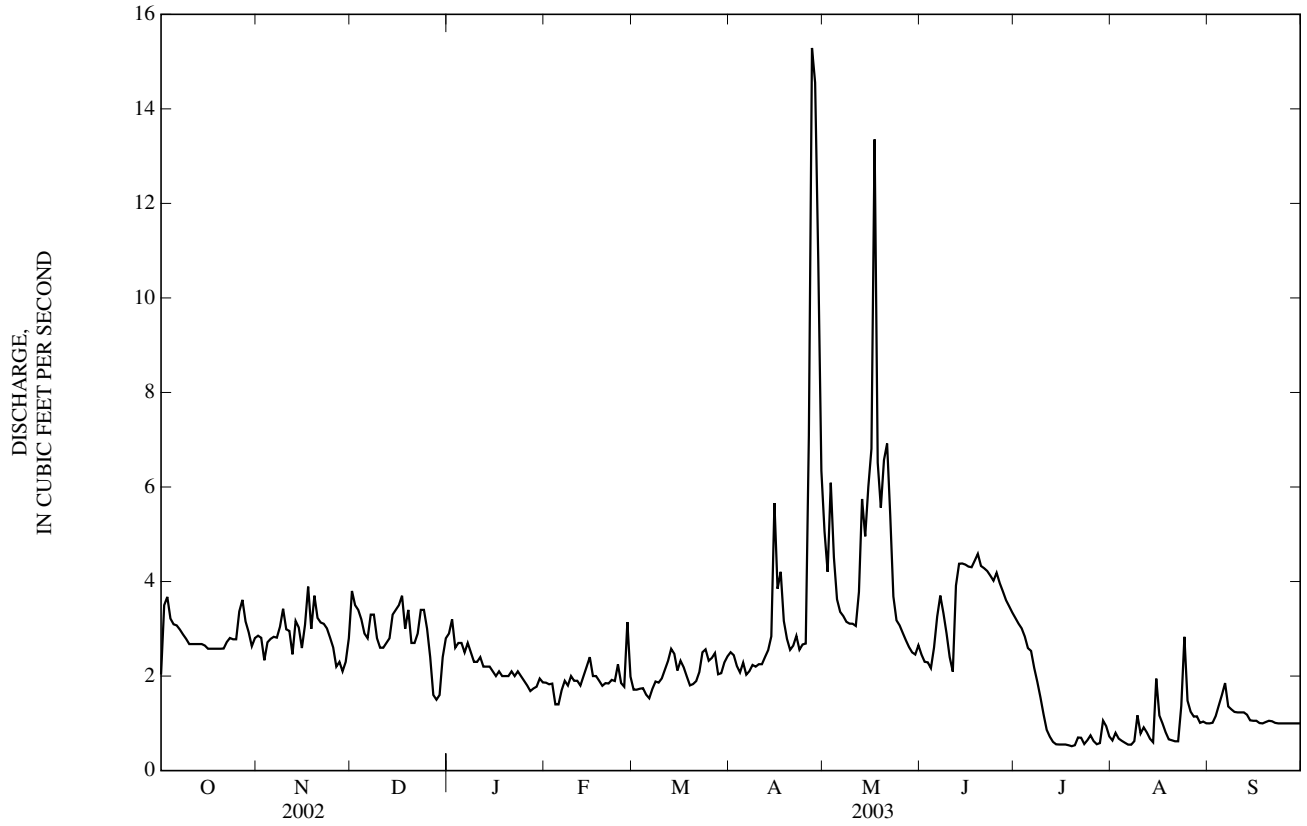
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-1955, 1958-2003, BY WATER YEAR (WY)

MEAN	3.14	2.89	2.29	2.26	2.27	2.78	6.84	16.9	7.12	5.50	4.81	4.12
MAX	9.65	8.09	6.25	6.20	6.70	6.78	28.9	50.9	34.5	25.4	15.2	16.5
(WY)	(1999)	(1999)	(1984)	(1999)	(1984)	(1999)	(1987)	(1958)	(1983)	(1983)	(1983)	(1998)
MIN	0.000	0.000	0.000	0.045	0.039	0.052	0.070	0.21	0.000	0.000	0.000	0.000
(WY)	(1965)	(1965)	(1965)	(1965)	(1965)	(1965)	(1977)	(1977)	(1977)	(1955)	(1954)	(1955)

09337000 PINE CREEK NEAR ESCALANTE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951-1955, 1958-2003	
ANNUAL TOTAL	875.63		923.35			
ANNUAL MEAN	2.40		2.53		5.10	
HIGHEST ANNUAL MEAN					12.5	1983
LOWEST ANNUAL MEAN					0.62	1977
HIGHEST DAILY MEAN	22	Sep 7	15	Apr 27	205	May 18, 1964
LOWEST DAILY MEAN	0.72	Jul 1	0.52	Jul 19	0.00	Mar 12, 1954
ANNUAL SEVEN-DAY MINIMUM	0.78	Jun 26	0.54	Jul 14	0.00	Jun 17, 1954
ANNUAL RUNOFF (AC-FT)	1,740		1,830		3,690	
10 PERCENT EXCEEDS	3.5		3.9		9.3	
50 PERCENT EXCEEDS	2.5		2.4		3.0	
90 PERCENT EXCEEDS	1.00		0.89		0.61	

e Estimated



09337500 ESCALANTE RIVER NEAR ESCALANTE, UT

LOCATION.--Lat 37°46'41", long 111°34'26", in NE¼NW¼SE¼ sec. 9, T. 35 S., R. 3 E., Garfield County, Hydrologic Unit 14070005, Bureau of Land Management, on left bank 150 ft downstream from Pine Creek and 1.5 mi northeast of Escalante.

DRAINAGE AREA.--320 mi^2.

PERIOD OF RECORD.--August 1909 to April 1913, October 1942 to September 1955, December 1971 to current year. Published as Escalante Creek near Escalante 1909-13.

REVISED RECORDS.--WSP 1149: 1943(M), 1944, 1945(M). WDR UT-73-1: 1972.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,670 ft above NGVD of 1929, from topographic map. Prior to April 30, 1913, staff at approximately same site at different datum.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s and estimated daily discharges, which are poor. Regulation of low flows by diversion into Wide Hollow Reservoir (an off-stream storage site about 4 mi upstream; capacity about 2,300 acre-feet) and by diversion on Pine Creek for irrigation of about 2,300 acres.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,550 ft^3/s, Aug 24, 1998, gage height, 11.05 ft, from rating curve extended above 150 ft^3/s on basis of slope-area measurements at gage heights, 5.31 ft, 6.25 ft, 7.59 ft, and 11.05 ft; minimum daily, 0.07 ft^3/s, Jul 11, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 619 ft^3/s, Sep 6, gage height, 4.42 ft; minimum daily discharge, 0.11 ft^3/s, Dec 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.88	3.1	3.6	2.8	2.4	2.1	0.96	1.3	0.79	0.30	4.0	0.24
2	5.2	3.1	3.1	6.2	2.4	2.7	0.71	0.79	0.67	0.30	0.93	0.25
3	11	2.4	2.7	2.7	1.8	4.3	0.73	0.72	0.50	0.24	0.80	1.6
4	1.1	2.0	2.6	2.9	1.4	9.5	1.00	0.72	0.47	0.25	0.65	1.9
5	1.1	2.6	2.3	2.9	1.3	7.7	1.7	1.0	0.42	0.26	0.57	2.6
6	1.0	2.6	2.2	2.8	1.3	5.4	3.0	1.1	0.48	0.27	0.55	14
7	0.96	2.6	2.7	3.0	e1.3	7.4	2.3	1.2	0.45	0.27	0.60	5.0
8	0.91	3.5	2.7	2.9	e1.3	9.2	1.3	1.2	0.49	0.27	0.64	2.9
9	0.91	3.8	2.5	2.8	e1.6	10	0.96	1.2	0.48	0.26	1.00	2.2
10	0.91	3.2	1.9	2.8	2.9	10	0.88	1.2	0.44	0.25	0.64	2.0
11	0.91	2.9	2.4	2.9	2.8	10	0.83	0.93	0.47	0.25	0.51	1.6
12	0.91	2.2	2.3	2.5	2.7	9.8	0.78	0.81	0.54	0.24	0.45	1.4
13	0.91	3.1	2.5	2.6	3.7	9.4	0.79	0.66	0.49	0.24	0.31	0.54
14	0.91	3.3	2.7	2.5	4.1	9.9	0.79	0.66	0.48	0.28	1.1	0.34
15	0.91	2.8	3.1	2.5	5.1	8.9	2.1	2.2	0.42	0.30	1.0	0.31
16	0.91	2.3	3.1	2.3	2.8	8.9	1.0	1.4	0.42	0.27	0.88	0.28
17	0.91	3.2	3.3	2.4	2.6	11	1.0	6.3	0.45	0.30	0.53	0.20
18	0.91	2.8	2.1	2.4	2.5	9.3	1.3	1.8	0.50	0.26	0.25	0.17
19	0.91	2.5	2.8	2.5	2.3	8.2	1.4	1.1	0.46	0.23	2.2	0.21
20	0.91	3.6	1.7	2.7	2.4	7.5	1.3	2.1	0.39	0.26	0.30	0.20
21	0.83	3.3	1.7	2.8	2.2	4.8	1.0	3.9	0.38	0.24	0.22	0.17
22	0.77	3.3	2.2	2.7	2.2	1.4	1.2	3.7	0.39	0.24	0.22	0.18
23	1.0	3.4	3.0	2.9	1.7	1.4	1.5	2.0	0.43	0.25	0.29	0.17
24	0.82	3.2	3.0	2.7	2.1	1.4	1.4	1.1	0.51	0.28	2.2	0.15
25	0.82	3.0	2.6	2.5	2.9	1.4	1.2	1.0	0.53	0.28	1.2	0.15
26	6.6	1.9	1.6	2.4	3.3	1.4	0.94	1.1	0.47	0.27	0.46	0.15
27	5.7	2.5	0.49	2.3	2.4	5.8	5.3	0.81	0.51	0.27	0.31	0.16
28	1.2	2.3	0.11	2.4	2.5	3.6	6.5	0.60	0.37	0.31	0.30	0.16
29	1.2	2.3	0.62	2.3	---	1.2	5.0	0.58	0.33	0.31	0.27	0.15
30	1.5	3.1	1.9	2.3	---	1.2	2.0	0.62	0.34	0.30	0.27	0.16
31	2.3	---	2.5	2.4	---	0.76	---	0.75	---	0.73	0.26	---
TOTAL	55.81	85.9	72.02	84.8	68.0	185.56	50.87	44.55	14.07	8.78	23.91	39.54
MEAN	1.80	2.86	2.32	2.74	2.43	5.99	1.70	1.44	0.47	0.28	0.77	1.32
MAX	11	3.8	3.6	6.2	5.1	11	6.5	6.3	0.79	0.73	4.0	14
MIN	0.77	1.9	0.11	2.3	1.3	0.76	0.71	0.58	0.33	0.23	0.22	0.15
AC-FT	111	170	143	168	135	368	101	88	28	17	47	78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943-1955, 1973-2003, BY WATER YEAR (WY)

MEAN	7.56	6.84	7.17	8.40	10.3	12.3	13.6	22.5	17.6	6.03	8.28	6.99
MAX	29.9	23.8	18.1	26.4	23.8	39.7	54.8	124	125	30.5	30.8	39.4
(WY)	(1973)	(1988)	(1943)	(1950)	(1943)	(1989)	(1993)	(1973)	(1983)	(1944)	(1983)	(1998)
MIN	0.90	0.80	0.77	0.96	1.21	0.67	1.23	0.88	0.47	0.28	0.31	0.73
(WY)	(1991)	(1991)	(1991)	(1991)	(1993)	(1991)	(1990)	(1954)	(2003)	(2003)	(2002)	(1955)

09337500 ESCALANTE RIVER NEAR ESCALANTE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1943-1945, 1973-2003	
ANNUAL TOTAL	993.21		733.81			
ANNUAL MEAN	2.72		2.01		10.8	
HIGHEST ANNUAL MEAN					30.7	1973
LOWEST ANNUAL MEAN					1.49	1991
HIGHEST DAILY MEAN	22	Sep 7	14	Sep 6	367	Sep 11, 1998
LOWEST DAILY MEAN	0.11	Dec 28	0.11	Dec 28	0.07	Jul 11, 1990
ANNUAL SEVEN-DAY MINIMUM	0.21	Aug 26	0.15	Sep 24	0.15	Sep 24, 2003
ANNUAL RUNOFF (AC-FT)	1,970		1,460		7,800	
10 PERCENT EXCEEDS	7.0		3.7		23	
50 PERCENT EXCEEDS	1.8		1.3		4.8	
90 PERCENT EXCEEDS	0.30		0.27		1.0	

e Estimated

09338900 DEER CREEK NEAR BOULDER, UT

LOCATION.--Lat 37°51'12", long 111°21'16", in NW¼SE¼NE¼ sec. 16, T. 34 S., R. 5 E., Garfield County, Hydrologic Unit 14070005, Grand Staircase Escalante National Monument, on right bank 150 ft downstream from Burr Trail crossing and 6.3 mi east of Boulder.

DRAINAGE AREA.--62.7 mi^2.

PERIOD OF RECORD.--Occassional low-flow measurements and annual maximums, water years 1959-74. September 2001 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,670 ft above NGVD of 1929, from topographic map. July 8, 1959 to September 30, 1974, crest-stage gage at site 160 ft downstream on left bank at datum 8.00 ft higher.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft^3/s, Aug 3, 1961, gage height, 14.00 ft, from rating curve extended above about 5 ft^3/s on basis of slope-area measurements at gage heights 11.50 ft, 12.50 ft, and 14.00 ft (datum then in use); minimum daily, some flow in most years but dry on occassions.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,090 ft^3/s, May 15, gage height, 7.35 ft; minimum daily discharge, 3.1 ft^3/s, Jul 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	8.3	8.5	11	7.4	7.4	7.7	6.5	4.6	3.4	13	4.8
2	23	8.2	7.6	11	7.4	7.6	6.9	6.4	4.4	3.5	7.1	5.0
3	15	7.2	10	11	7.0	7.4	6.9	6.5	4.4	3.6	4.9	5.1
4	7.4	7.5	10	11	6.8	7.4	6.8	6.5	4.3	3.5	4.5	4.7
5	7.2	7.5	10	11	6.9	7.1	7.0	6.2	4.3	3.5	4.1	5.4
6	7.0	7.3	10	11	7.2	7.2	6.9	6.2	4.2	3.4	3.9	6.5
7	6.6	7.1	11	10	7.3	7.2	6.8	6.3	4.1	3.3	4.2	6.5
8	6.2	7.0	11	10	7.2	7.1	6.6	6.3	4.2	3.4	4.6	5.5
9	6.1	8.2	10	10	7.3	7.0	6.9	6.6	4.2	3.3	6.6	5.2
10	6.0	7.6	10	11	7.6	7.1	7.3	6.8	4.3	3.2	4.5	5.0
11	6.1	7.3	10	11	7.6	7.3	6.8	6.4	4.2	3.2	4.2	5.0
12	8.5	6.8	10	11	7.8	7.4	6.7	6.1	4.3	3.2	4.3	4.8
13	7.9	7.0	10	10	9.1	7.6	6.7	5.9	e4.2	3.1	4.3	4.7
14	7.4	6.9	11	10	8.1	9.1	6.7	5.9	4.2	3.2	4.5	4.7
15	6.2	6.9	11	11	7.5	9.7	6.9	176	4.1	3.3	5.0	4.5
16	6.2	6.9	10	10	7.4	29	6.8	11	4.0	3.3	5.1	4.4
17	6.3	6.9	11	10	7.4	12	6.8	6.9	4.0	3.4	5.0	4.3
18	6.5	6.8	10	10	7.5	9.2	6.8	6.4	4.3	3.2	4.7	4.4
19	6.6	6.9	9.3	10	7.1	8.3	6.8	6.0	4.3	3.3	4.5	4.6
20	6.7	7.0	9.6	10	7.2	8.0	6.7	5.7	4.1	3.5	4.7	4.5
21	6.7	7.1	9.8	10	7.0	7.9	6.8	5.5	4.0	3.4	4.7	4.5
22	18	7.2	9.9	10	7.1	7.9	7.4	5.4	3.9	3.6	4.8	4.5
23	e7.0	7.1	9.3	10	7.2	9.0	7.0	5.3	3.8	3.9	5.2	4.5
24	e7.0	7.1	9.7	10	7.0	12	6.7	5.3	3.8	3.7	5.5	4.4
25	e7.0	7.0	10	10	7.9	7.1	6.6	5.2	3.9	3.5	5.1	4.4
26	e7.5	6.8	9.8	9.9	10	7.1	6.5	5.1	3.9	3.6	4.9	4.3
27	e25	7.0	9.6	10	7.7	8.3	6.4	4.9	3.8	4.0	5.0	4.4
28	e18	7.2	10	9.4	7.6	7.1	6.4	4.8	3.8	5.0	4.8	4.6
29	18	7.4	11	9.1	---	7.1	6.4	4.8	3.7	32	4.7	5.1
30	16	8.4	11	9.1	---	e7.5	6.4	4.8	3.5	7.4	4.9	5.0
31	14	---	11	9.0	---	7.6	---	4.6	---	4.7	4.7	---
MEAN	9.84	7.25	10.0	10.2	7.51	8.67	6.80	11.5	4.09	4.57	5.10	4.84
MAX	25	8.4	11	11	10	29	7.7	176	4.6	32	13	6.5
MIN	6.0	6.8	7.6	9.0	6.8	7.0	6.4	4.6	3.5	3.1	3.9	4.3

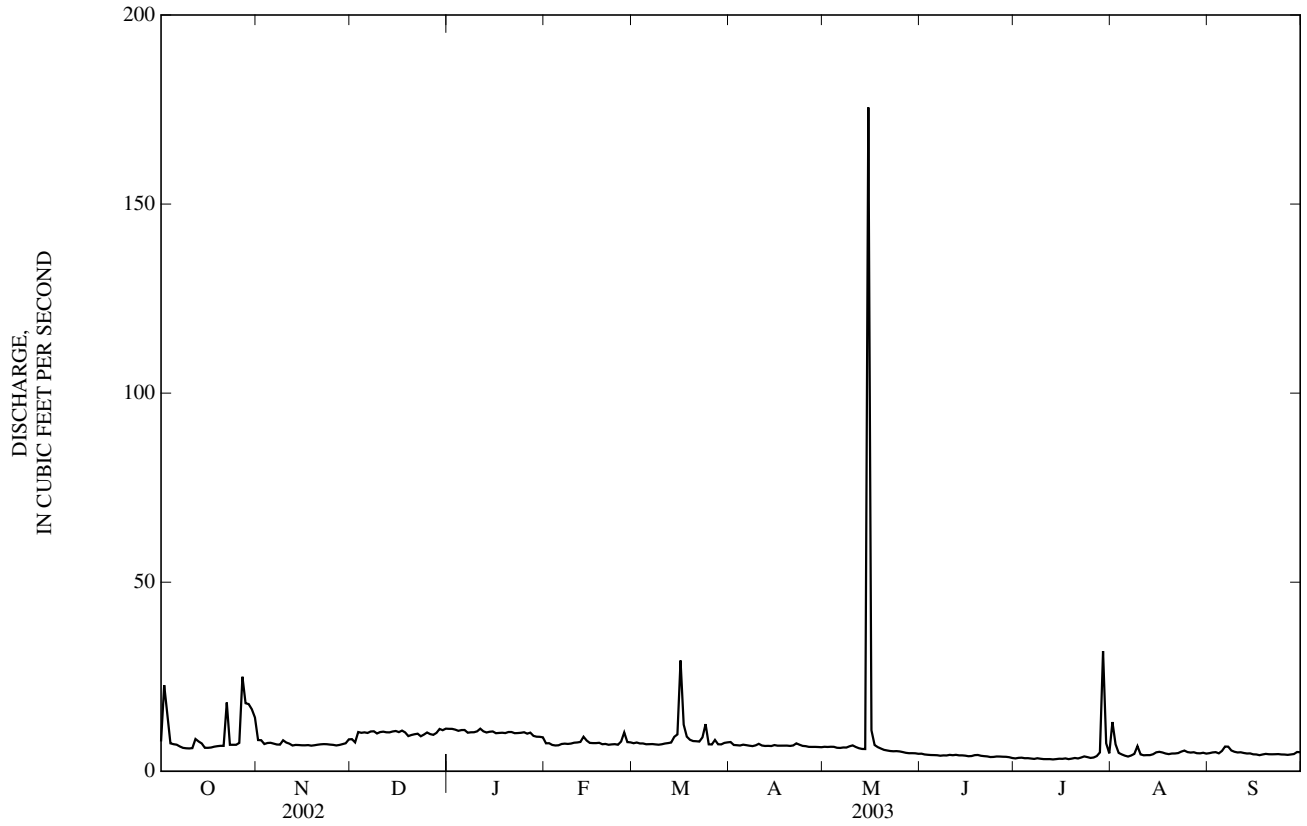
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2003, BY WATER YEAR (WY)

MEAN	8.15	9.47	9.81	9.89	8.60	9.09	6.42	8.41	4.16	4.45	5.28	10.3
MAX	9.84	11.7	10.0	10.2	9.70	9.52	6.80	11.5	4.22	4.57	5.47	15.7
(WY)	(2003)	(2002)	(2003)	(2003)	(2002)	(2002)	(2003)	(2003)	(2002)	(2003)	(2002)	(2002)
MIN	6.46	7.25	9.59	9.57	7.51	8.67	6.04	5.32	4.09	4.34	5.10	4.84
(WY)	(2002)	(2003)	(2002)	(2002)	(2003)	(2003)	(2002)	(2002)	(2003)	(2002)	(2003)	(2003)

09338900 DEER CREEK NEAR BOULDER, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 2001 - 2003	
ANNUAL MEAN	8.07		7.55		7.83	
HIGHEST ANNUAL MEAN					8.11	2002
LOWEST ANNUAL MEAN					7.55	2003
HIGHEST DAILY MEAN	87	Sep 12	176	May 15	245	Sep 16, 2001
LOWEST DAILY MEAN	3.8	Jun 28	3.1	Jul 13	3.1	Jul 13, 2003
ANNUAL SEVEN-DAY MINIMUM	3.9	Jun 25	3.2	Jul 9	3.2	Jul 9, 2003
10 PERCENT EXCEEDS	11		10		11	
50 PERCENT EXCEEDS	6.9		6.9		6.8	
90 PERCENT EXCEEDS	4.2		4.0		4.1	

e Estimated



09339000 BOULDER CREEK NEAR BOULDER, UT

LOCATION.--Lat 37°46'55", long 111°21'34", in NE¼SE¼NW¼ sec. 9, T. 35 S., R. 5 E., Garfield County, Hydrologic Unit 14070005, Grand Staircase Escalante National Monument, on right bank 0.4 mi downstream of Deer Creek, 3.8 mi upstream of mouth, and 13 mi east of Escalante.

DRAINAGE AREA.--173 mi^2.

PERIOD OF RECORD.--July 1950 to September 1955. December 2002 to September 2003.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,260 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for flows greater than 60 ft^3/s and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,650 ft^3/s, Jul 25, 1955, gage height, 10.24 ft; minimum daily discharge, 5.0 ft^3/s, several days in Jul, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 665 ft^3/s, Aug 14, gage height, 5.45 ft; minimum daily discharge, 5.0 ft^3/s, several days in Jul.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	e33	e25	31	21	12	e15	5.4	6.3	6.8
2	---	---	---	e33	e25	32	20	12	e11	5.4	11	7.0
3	---	---	---	e32	e25	32	20	11	e8.0	5.6	7.0	7.2
4	---	---	---	e31	e25	31	19	10	e7.0	5.4	6.5	6.8
5	---	---	---	e31	e25	31	17	10	e7.0	5.4	6.0	6.8
6	---	---	---	e31	e25	31	17	10	e7.0	5.3	5.6	8.3
7	---	---	---	e29	e25	30	17	10	e7.0	5.1	5.7	9.6
8	---	---	---	e29	e25	30	15	10	e7.0	5.2	7.1	7.8
9	---	---	---	e29	e26	31	14	10	e7.0	5.1	8.7	7.4
10	---	---	e29	e31	e27	32	15	11	e7.0	5.0	6.7	7.3
11	---	---	e29	e33	e28	33	15	9.9	e7.0	e5.0	6.1	7.1
12	---	---	e29	e31	e28	35	16	9.5	6.8	e5.0	6.1	7.4
13	---	---	e29	e29	e32	36	16	9.1	e6.7	e5.0	6.2	7.1
14	---	---	e30	e29	e30	38	17	9.1	6.6	e5.0	25	7.0
15	---	---	e30	e29	e29	36	16	122	6.5	e5.0	12	7.1
16	---	---	e29	e29	e29	50	15	e15	6.3	5.0	8.9	7.0
17	---	---	e30	e29	e29	44	14	e12	6.2	5.1	7.9	6.6
18	---	---	e29	e29	e29	36	14	e10	6.5	5.0	7.0	6.7
19	---	---	e27	e29	e29	34	17	e10	6.7	5.0	6.6	7.2
20	---	---	e27	e29	29	34	14	e40	6.4	5.3	6.7	7.3
21	---	---	e28	e29	28	33	13	177	6.5	5.3	6.8	7.1
22	---	---	e29	e29	30	33	13	233	6.4	15	6.8	7.1
23	---	---	e27	e29	30	32	15	230	6.2	7.0	7.1	7.2
24	---	---	e28	e29	31	35	16	176	6.1	6.2	7.9	7.1
25	---	---	e29	e29	31	30	15	213	6.4	6.0	7.4	7.0
26	---	---	e28	e29	48	30	17	129	6.4	5.7	7.0	7.0
27	---	---	e27	e29	32	31	14	249	6.3	6.2	6.9	7.1
28	---	---	e30	e28	31	30	13	239	6.1	10	7.1	7.2
29	---	---	e33	e27	---	27	13	142	6.1	8.9	13	7.6
30	---	---	e31	e27	---	23	12	57	5.6	13	8.7	8.2
31	---	---	e33	e27	---	19	---	e25	---	7.0	7.2	---
TOTAL	---	---	---	917	806	1,010	470	2,222.6	210.8	193.6	249.0	218.1
MEAN	---	---	---	29.6	28.8	32.6	15.7	71.7	7.03	6.25	8.03	7.27
MAX	---	---	---	33	48	50	21	249	15	15	25	9.6
MIN	---	---	---	27	25	19	12	9.1	5.6	5.0	5.6	6.6
AC-FT	---	---	---	1,820	1,600	2,000	932	4,410	418	384	494	433

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950-55, 2003, BY WATER YEAR (WY)

MEAN	13.0	23.9	31.1	32.3	32.7	32.7	20.2	39.5	15.2	10.5	12.6	11.6
MAX	13.8	34.2	49.2	43.7	41.7	38.2	46.0	79.2	47.6	15.0	22.9	24.2
(WY)	(1953)	(1954)	(1953)	(1953)	(1953)	(1952)	(1952)	(1952)	(1952)	(1955)	(1951)	(1952)
MIN	10.5	15.5	21.8	22.6	20.5	25.8	12.1	14.2	7.03	6.25	7.96	7.27
(WY)	(1951)	(1955)	(1955)	(1955)	(1955)	(1954)	(1953)	(1953)	(2003)	(2003)	(1950)	(2003)

SUMMARY STATISTICS	2003 WATER YEAR		WATER YEARS 1950-55, 2003	
ANNUAL MEAN			23.0	
HIGHEST ANNUAL MEAN			32.0	1952
LOWEST ANNUAL MEAN			17.6	1955
HIGHEST DAILY MEAN	249	May 27		
LOWEST DAILY MEAN	5.0	Jul 10		
ANNUAL SEVEN-DAY MINIMUM	5.0	Jul 10		
ANNUAL RUNOFF (AC-FT)			16,680	
10 PERCENT EXCEEDS			41	
50 PERCENT EXCEEDS			16	
90 PERCENT EXCEEDS			8.4	

e Estimated

09372400 NORTH CREEK NEAR MONTICELLO, UT

LOCATION.--Lat 37°52'36", long 109°26'43", in SW¼NW¼SW¼ sec. 30, T. 33 S., R. 23 E., San Juan County, Hydrologic Unit 14080203, on the left bank and 5.5 mi west of Monticello.

DRAINAGE AREA.--2.72 mi^2.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,540 ft above NGVD of 1929, from GPS.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15.0 ft^3/s, May 30, 2003, gage height, 3.62 ft; no flow many days during each year.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum observed discharge, 15.7 ft^3/s, May 29, 2001, gage height, 3.58 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 15 ft^3/s, May 30, gage height, 3.62 ft; no flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	e0.03	e0.02	e0.01	e0.03	0.02	0.05	0.73	10	0.04	0.00	0.03
2	0.00	e0.03	e0.02	e0.02	e0.03	0.02	0.05	0.73	9.0	0.03	0.04	0.02
3	0.00	e0.02	e0.02	e0.02	e0.02	0.02	0.06	0.96	7.6	0.02	0.06	0.03
4	0.00	e0.02	e0.02	e0.03	e0.02	0.02	0.05	1.2	6.5	0.01	0.07	0.03
5	0.00	e0.02	e0.02	e0.02	e0.02	0.02	0.05	1.1	5.3	0.00	0.07	0.03
6	0.00	e0.03	e0.02	e0.03	e0.01	0.02	0.05	1.1	4.3	0.00	0.05	0.04
7	0.00	e0.03	e0.02	e0.03	e0.01	0.02	0.05	1.0	3.6	0.00	0.06	0.03
8	0.00	e0.03	e0.02	e0.03	e0.02	0.02	0.05	1.0	3.0	0.00	0.05	0.03
9	0.00	e0.03	e0.03	e0.02	e0.02	0.02	0.06	1.0	2.6	0.00	0.05	0.06
10	0.00	e0.02	e0.02	e0.02	e0.03	0.02	0.06	0.83	2.4	0.00	0.05	0.00
11	0.00	e0.02	e0.02	e0.02	0.03	0.02	0.07	0.62	2.0	0.00	e0.03	0.00
12	0.00	e0.02	e0.02	e0.02	0.03	0.02	0.08	0.58	1.7	0.00	e0.02	0.01
13	0.00	e0.02	e0.02	e0.03	0.04	0.02	0.10	0.72	1.3	0.00	e0.01	0.01
14	0.01	e0.02	e0.03	e0.03	0.03	0.02	0.15	0.80	0.99	0.00	e0.03	0.01
15	0.01	e0.02	e0.03	e0.02	0.03	0.02	0.18	1.3	0.73	0.00	e0.02	0.00
16	0.02	e0.02	e0.02	e0.03	0.03	0.02	0.19	1.7	0.55	0.00	e0.04	0.00
17	0.02	e0.02	e0.02	e0.03	0.03	0.02	0.20	2.3	0.45	0.00	e0.03	0.00
18	0.02	e0.02	e0.01	e0.03	0.03	0.02	0.19	3.4	0.42	0.00	e0.02	0.00
19	0.02	e0.02	e0.01	e0.03	0.03	0.03	0.17	4.0	0.37	0.00	e0.01	0.00
20	0.03	e0.03	e0.01	e0.03	0.03	0.03	0.18	3.7	0.30	0.00	e0.01	0.00
21	0.03	e0.03	e0.01	e0.03	0.02	0.03	0.18	3.7	0.27	0.00	e0.01	0.00
22	0.03	e0.03	e0.01	e0.03	0.02	0.03	0.18	4.3	0.23	0.00	e0.01	0.00
23	e0.02	e0.03	e0.01	e0.03	0.02	0.03	0.18	5.1	0.19	0.00	e0.01	0.00
24	e0.03	e0.03	e0.01	e0.03	0.02	0.03	0.19	5.9	0.16	0.00	e0.01	0.00
25	e0.03	e0.02	e0.01	e0.03	0.02	0.03	0.21	8.2	0.14	0.00	e0.01	0.00
26	e0.02	e0.02	e0.01	e0.03	0.02	0.03	0.22	9.3	0.11	0.00	e0.01	0.00
27	e0.02	e0.02	e0.02	e0.03	0.02	0.03	0.26	9.5	0.09	0.00	e0.02	0.00
28	e0.02	e0.03	e0.02	e0.03	0.02	0.03	0.29	11	0.07	0.00	0.04	0.00
29	e0.02	e0.03	e0.02	e0.03	---	0.04	0.36	14	0.06	0.00	0.03	0.00
30	e0.02	e0.02	e0.02	e0.03	---	0.05	0.52	14	0.05	0.00	0.03	0.00
31	e0.02	---	e0.01	e0.03	---	0.05	---	13	---	0.00	0.03	---
TOTAL	0.39	0.73	0.55	0.83	0.68	0.80	4.63	126.77	64.48	0.10	0.93	0.33
MEAN	0.013	0.024	0.018	0.027	0.024	0.026	0.15	4.09	2.15	0.003	0.030	0.011
MAX	0.03	0.03	0.03	0.03	0.04	0.05	0.52	14	10	0.04	0.07	0.06
MIN	0.00	0.02	0.01	0.01	0.01	0.02	0.05	0.58	0.05	0.00	0.00	0.00
AC-FT	0.8	1.4	1.1	1.6	1.3	1.6	9.2	251	128	0.2	1.8	0.7

e Estimated

09376800 SPRING CREEK NEAR MONTICELLO, UT

LOCATION.--Lat 37°53'20", long 109°27'57", in SE¼SE¼SE¼ sec. 25, T. 33 S., R. 22 E., San Juan County, Hydrologic Unit 14080203, on the right bank, and 7.2 mi west of Monticello.

DRAINAGE AREA.--2.55 mi^2.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 8,720 ft above NGVD of 1929, from GPS.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4.5 ft^3/s, Sep 9, 2003, gage height, 2.56 ft; minimum daily discharge, 0.01 ft^3/s, Feb 6, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum observed discharge, 10.1 3/fts, May 15, 2001, gage height, 2.60 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4.5 ft^3/s, Sep 9, gage height, 2.56 ft; minimum daily discharge, 0.01 ft^3/s, Feb 6.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	e0.13	e0.07	0.02	0.03	0.03	0.04	1.3	2.4	0.48	0.20	0.13
2	0.14	e0.13	0.06	0.02	0.03	0.03	0.04	1.4	2.3	0.46	0.42	0.12
3	0.14	e0.12	0.04	0.02	0.03	0.03	0.04	1.6	2.1	0.44	0.40	0.12
4	0.13	e0.11	0.05	0.02	0.02	0.03	0.04	1.6	1.9	0.43	0.24	0.13
5	0.13	e0.11	0.06	0.02	e0.02	0.03	0.04	1.6	1.6	0.41	0.19	0.16
6	0.13	e0.12	e0.05	0.02	e0.01	0.03	0.04	1.5	1.5	0.40	0.16	0.17
7	0.13	e0.12	e0.05	0.02	e0.02	0.03	0.04	1.4	1.4	0.37	0.16	0.13
8	0.14	e0.11	e0.05	0.02	e0.02	0.03	0.03	1.4	1.4	0.35	0.34	0.11
9	0.14	e0.12	e0.06	0.02	e0.02	0.03	0.04	1.3	1.3	0.33	0.27	0.71
10	0.15	e0.10	e0.04	0.02	e0.03	0.03	0.05	1.2	1.2	0.31	0.21	0.51
11	0.15	e0.09	e0.03	0.02	e0.03	0.03	0.07	1.2	1.2	0.28	0.19	0.34
12	0.13	e0.10	e0.04	0.02	e0.04	0.04	0.09	1.4	1.1	0.27	0.16	0.27
13	0.12	e0.10	e0.04	0.02	e0.03	0.04	0.17	1.5	1.0	0.25	0.15	0.20
14	0.12	e0.10	e0.04	0.02	e0.03	0.04	0.24	1.7	0.99	0.24	0.29	0.17
15	0.13	e0.09	e0.05	0.02	0.02	0.05	0.27	2.0	0.94	0.22	0.43	0.13
16	0.13	e0.10	e0.03	0.02	0.02	0.05	0.27	2.1	0.88	0.22	0.35	0.13
17	0.13	e0.10	e0.03	0.02	0.02	0.05	0.31	2.1	0.85	0.20	0.26	0.12
18	0.12	e0.10	0.02	0.02	0.02	0.03	0.37	2.3	0.83	0.20	0.25	0.13
19	0.12	e0.10	0.02	0.04	0.02	0.05	0.38	2.4	0.83	0.20	0.22	0.13
20	0.12	e0.12	0.02	0.03	0.02	0.04	0.42	2.3	0.80	0.19	0.20	0.13
21	0.12	e0.12	0.02	0.03	0.02	0.04	0.43	2.3	0.74	0.18	0.21	0.13
22	0.12	0.12	0.02	0.03	0.02	0.04	0.44	2.3	0.69	0.17	0.24	0.12
23	0.13	0.10	0.02	0.02	0.03	0.04	0.42	2.3	0.65	0.16	0.51	0.12
24	0.13	0.09	0.02	0.02	0.03	0.04	0.43	2.3	0.64	0.16	0.39	0.12
25	0.13	0.08	0.02	0.02	0.03	0.04	0.45	2.5	0.61	0.15	0.27	0.10
26	0.14	0.10	0.02	0.02	0.03	0.04	0.50	2.5	0.59	0.15	0.23	0.11
27	e0.13	0.12	0.02	0.03	0.03	0.04	0.60	2.4	0.56	0.17	0.29	0.12
28	e0.13	e0.12	0.02	0.03	0.03	0.04	1.2	2.5	0.54	0.25	0.21	0.12
29	e0.12	e0.12	0.02	0.03	---	0.03	1.5	2.6	0.51	0.30	0.26	0.12
30	e0.12	e0.09	0.02	0.02	---	0.04	1.4	2.5	0.49	0.22	0.23	0.13
31	e0.13	---	0.02	0.02	---	0.04	---	2.5	---	0.18	0.17	---
TOTAL	4.01	3.23	1.07	0.70	0.70	1.15	10.36	60.0	32.54	8.34	8.10	5.23
MEAN	0.13	0.11	0.035	0.023	0.025	0.037	0.35	1.94	1.08	0.27	0.26	0.17
MAX	0.15	0.13	0.07	0.04	0.04	0.05	1.5	2.6	2.4	0.48	0.51	0.71
MIN	0.11	0.08	0.02	0.02	0.01	0.03	0.03	1.2	0.49	0.15	0.15	0.10
AC-FT	8.0	6.4	2.1	1.4	1.4	2.3	21	119	65	17	16	10

e Estimated

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT

LOCATION.--Lat 37°50'48", long 109°22'08", in NE¼SW¼SW¼ sec. 2, T. 34 S., R. 23 E., San Juan County, Hydrologic Unit 14080203, 200 ft upstream from west side of reservoir and 2 mi southwest of Monticello.

DRAINAGE AREA.--8.64 mi^2.

PERIOD OF RECORD.--October 1985 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 7,170 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163 ft^3/s, Nov 5, 1987, gage height, 4.17 ft; no flow many days in 2002 and 2003.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 2	1930	*20	*1.55				

No flow on many days.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.01	0.01	0.00	0.00	0.00	0.00	0.48	1.2	e1.4	0.16	0.01	e0.04
2	0.03	0.01	0.00	0.00	0.00	0.00	0.32	1.4	e1.2	0.15	0.53	e0.04
3	0.03	0.00	0.00	0.00	0.00	0.00	0.19	1.7	e1.0	0.14	0.08	0.04
4	0.01	0.00	0.00	0.00	0.00	0.00	0.21	1.8	e0.90	0.13	0.06	0.03
5	0.01	0.01	0.00	e0.00	0.00	0.00	0.22	1.7	e0.80	0.12	0.03	0.04
6	0.01	0.00	0.00	0.00	0.00	e0.00	0.17	1.6	e0.70	0.11	0.03	0.04
7	0.00	0.00	0.00	0.00	0.00	0.00	0.14	1.6	e0.66	0.10	0.03	0.04
8	0.00	0.00	0.00	0.00	0.00	0.00	0.17	1.4	0.62	0.09	0.05	0.03
9	0.00	0.00	0.00	0.00	0.00	0.00	0.27	1.2	0.49	0.07	0.03	1.1
10	0.01	0.00	0.00	0.00	0.00	e0.02	0.60	0.98	0.37	0.06	0.01	0.07
11	0.01	0.00	0.00	0.00	0.00	e0.04	1.00	0.72	0.30	0.05	0.01	0.04
12	0.01	0.00	0.00	0.00	0.00	e0.04	0.86	0.64	0.30	0.04	0.01	0.04
13	0.01	0.00	0.00	0.00	0.00	e0.06	0.73	0.67	0.29	0.03	0.01	0.03
14	0.01	0.00	0.00	0.00	e0.00	e0.06	0.85	0.69	0.28	0.03	e0.01	0.04
15	0.01	0.00	0.00	0.00	0.00	e0.07	0.83	0.99	0.25	0.02	e0.01	0.04
16	0.01	0.00	0.00	0.00	0.00	e0.07	0.48	0.88	0.24	0.01	e0.02	0.03
17	0.02	0.00	0.00	0.00	0.00	e0.08	0.66	0.93	0.24	0.01	e0.02	0.03
18	0.01	0.00	0.00	0.00	0.00	e0.08	0.58	1.0	0.24	0.01	e0.02	0.04
19	0.01	0.00	0.00	0.00	0.00	e0.10	0.49	1.1	0.25	0.01	e0.03	0.04
20	0.01	0.00	0.00	0.00	0.00	e0.16	0.45	1.2	0.24	0.00	e0.03	0.04
21	0.01	0.00	0.00	0.00	0.00	e0.20	0.50	1.3	0.23	0.01	e0.03	0.05
22	0.01	0.00	0.00	0.00	0.00	e0.28	0.55	1.4	0.22	0.00	e0.02	0.03
23	0.01	0.00	0.00	0.00	0.00	e0.30	0.51	1.5	0.21	0.00	e0.03	0.03
24	0.01	0.00	0.00	0.00	0.00	e0.28	0.41	1.5	0.20	0.00	e0.02	0.03
25	0.01	0.00	0.00	e0.00	0.00	e0.24	0.52	1.6	0.19	0.01	e0.03	0.03
26	0.01	e0.00	0.00	0.00	0.00	e0.28	0.69	1.6	0.19	0.00	e0.03	0.02
27	0.01	0.00	0.00	0.00	0.00	0.29	0.71	1.7	0.19	0.02	e0.04	0.03
28	0.01	0.00	0.00	0.00	0.00	e0.27	0.73	1.8	0.18	0.00	e0.05	0.01
29	0.01	0.00	0.00	0.00	---	0.23	0.91	1.9	0.17	0.00	e0.05	0.03
30	0.01	0.00	0.00	0.00	---	0.17	1.3	e1.8	0.16	0.00	e0.05	0.02
31	0.01	---	e0.00	0.00	---	0.40	---	e1.6	---	0.00	e0.04	---
TOTAL	0.33	0.03	0.00	0.00	0.00	3.72	16.53	41.10	12.71	1.38	1.42	2.12
MEAN	0.011	0.001	0.000	0.000	0.000	0.12	0.55	1.33	0.42	0.045	0.046	0.071
MAX	0.03	0.01	0.00	0.00	0.00	0.40	1.3	1.9	1.4	0.16	0.53	1.1
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.64	0.16	0.00	0.01	0.01
AC-FT	0.7	0.06	0.00	0.00	0.00	7.4	33	82	25	2.7	2.8	4.2

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2003, BY WATER YEAR (WY)

MEAN	0.20	0.51	0.16	0.15	0.26	1.77	5.24	6.58	2.70	0.55	0.26	0.23
MAX	0.45	5.40	0.64	0.45	1.08	5.65	19.0	33.0	11.6	3.51	0.52	0.91
(WY)	(1987)	(1988)	(1988)	(1988)	(1986)	(1995)	(1993)	(1993)	(1995)	(1995)	(1987)	(1991)
MIN	0.011	0.001	0.000	0.000	0.000	0.067	0.043	0.029	0.006	0.045	0.002	0.005
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1986 - 2003	
ANNUAL TOTAL	11.40		79.34			
ANNUAL MEAN	0.031		0.22		1.55	
HIGHEST ANNUAL MEAN					5.89	1993
LOWEST ANNUAL MEAN					0.056	2002
HIGHEST DAILY MEAN	3.0	Jul 28	1.9	May 29	60	May 17, 1993
LOWEST DAILY MEAN	0.00	Jun 13	0.00	Oct 7	0.00	Jun 13, 2002
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 13	0.00	Nov 6	0.00	Jun 13, 2002
ANNUAL RUNOFF (AC-FT)	23		157		1,130	
10 PERCENT EXCEEDS	0.06		0.85		4.3	
50 PERCENT EXCEEDS	0.01		0.02		0.20	
90 PERCENT EXCEEDS	0.00		0.00		0.06	

e Estimated

09378490 COAL BED CANYON NEAR DOVE CREEK, CO

LOCATION.--Lat 37°48'41", long 109°01'25", in NW¼SW¼SE¼ sec. 13, T. 41 N., R. 20 W., Dove Creek County, Hydrologic Unit 14080203, on right bank 200' north of Highway 666, 18.6 miles east of Monticello, Utah

DRAINAGE AREA.--97.1 mi^2.

PERIOD OF RECORD.--July 2001 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,580 ft above NGVD of 1929,from GPS.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 170 ft^3/s, Sep 9, 2003, gage height, 6.18 ft; no flow most days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 170 ft^3/s, Sep 9, gage height, 6.18 ft; no flow most days.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN 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	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	20
10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51
12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05
13	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.00	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	0.00	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48.56
MEAN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.62
MAX	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	96

09378630 RECAPTURE CREEK NEAR BLANDING, UT

LOCATION.--Lat 37°45'20", long 109°28'33", in NW¼NE¼NW¼ sec. 11, T. 35 S., R. 22 E., San Juan County, Hydrologic Unit 14080201, on right bank 100 ft below road fork, 1.9 mi north of Manti-LaSal National Forest boundary, and 9.4 mi north of Blanding.

DRAINAGE AREA.--3.77 mi^2.

PERIOD OF RECORD.--October 1965 to current year.

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

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft^3/s, Oct 20, 1972, gage height, 2.14 ft; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8.0 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Apr 15	0200	*2.6	*0.97				

No flow many days.

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

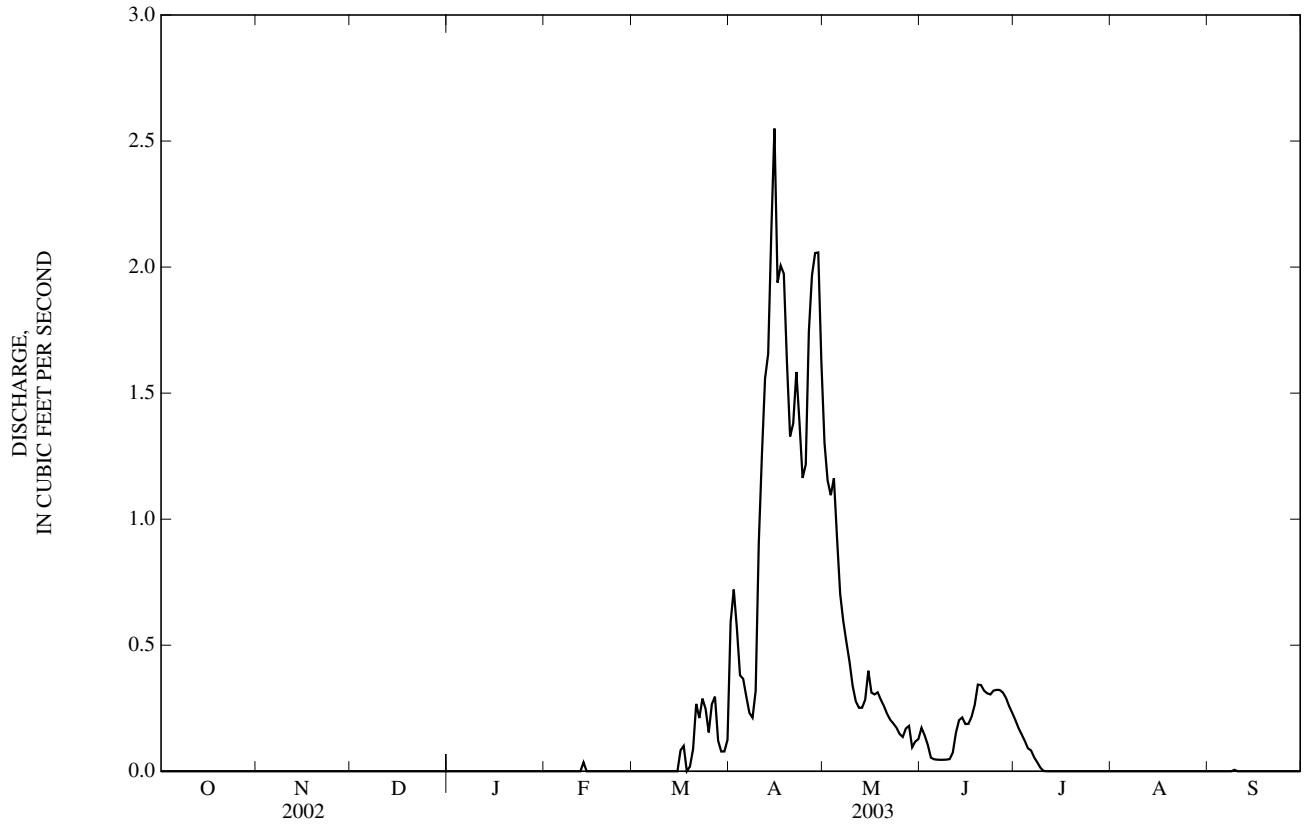
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.00	0.59	1.3	0.17	0.20	0.00	0.00
2	0.00	0.00	0.00	0.00	0.00	0.00	0.72	1.2	0.14	0.17	0.00	0.00
3	0.00	0.00	0.00	0.00	0.00	0.00	0.57	1.1	0.10	0.15	0.00	0.00
4	0.00	0.00	0.00	0.00	0.00	0.00	0.38	1.2	0.05	0.12	0.00	0.00
5	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.93	0.05	0.09	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.30	0.70	0.05	0.08	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.23	0.59	0.05	0.06	0.00	0.00
8	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.51	0.05	0.04	0.00	0.00
9	0.00	0.00	0.00	0.00	0.00	0.00	0.32	0.43	0.05	0.01	0.00	0.01
10	0.00	0.00	0.00	0.00	0.00	0.00	0.91	0.34	0.05	0.00	0.00	0.00
11	0.00	0.00	0.00	0.00	0.00	0.00	1.3	0.28	0.07	0.00	0.00	0.00
12	0.00	0.00	0.00	0.00	0.00	0.00	1.6	0.25	0.15	0.00	0.00	0.00
13	0.00	0.00	0.00	0.00	0.04	0.00	1.7	0.25	0.20	0.00	0.00	0.00
14	0.00	0.00	0.00	0.00	0.00	0.00	2.1	0.28	0.21	0.00	0.00	0.00
15	0.00	0.00	0.00	0.00	0.00	0.00	2.5	0.40	0.19	0.00	0.00	0.00
16	0.00	0.00	0.00	0.00	0.00	0.08	1.9	0.31	0.19	0.00	0.00	0.00
17	0.00	0.00	0.00	0.00	0.00	0.10	2.0	0.30	0.22	0.00	0.00	0.00
18	0.00	0.00	0.00	0.00	0.00	0.00	2.0	0.31	0.26	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.02	1.6	0.28	0.34	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.09	1.3	0.26	0.34	0.00	0.00	0.00
21	0.00	0.00	0.00	0.00	0.00	0.27	1.4	0.23	0.32	0.00	0.00	0.00
22	0.00	0.00	0.00	0.00	0.00	0.21	1.6	0.20	0.31	0.00	0.00	0.00
23	0.00	0.00	0.00	0.00	0.00	0.29	1.4	0.19	0.30	0.00	0.00	0.00
24	0.00	0.00	0.00	0.00	0.00	0.25	1.2	0.17	0.32	0.00	0.00	0.00
25	0.00	0.00	0.00	0.00	0.00	0.15	1.2	0.15	0.32	0.00	0.00	0.00
26	0.00	0.00	0.00	0.00	0.00	0.27	1.7	0.14	0.32	0.00	0.00	0.00
27	0.00	0.00	0.00	0.00	0.00	0.30	2.0	0.17	0.31	0.00	0.00	0.00
28	0.00	0.00	0.00	0.00	0.00	0.12	2.1	0.18	0.29	0.00	0.00	0.00
29	0.00	0.00	0.00	0.00	---	0.08	2.1	0.10	0.26	0.00	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.08	1.6	0.12	0.23	0.00	0.00	0.00
31	0.00	---	0.00	0.00	---	0.12	---	0.13	---	0.00	0.00	---
TOTAL	0.00	0.00	0.00	0.00	0.04	2.43	38.90	13.00	5.91	0.92	0.00	0.01
MEAN	0.000	0.000	0.000	0.000	0.001	0.078	1.30	0.42	0.20	0.030	0.000	0.000
MAX	0.00	0.00	0.00	0.00	0.04	0.30	2.5	1.3	0.34	0.20	0.00	0.01
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.10	0.05	0.00	0.00	0.00
AC-FT	0.00	0.00	0.00	0.00	0.08	4.8	77	26	12	1.8	0.00	0.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2003, BY WATER YEAR (WY)

MEAN	0.16	0.12	0.047	0.033	0.11	1.53	4.61	6.01	2.05	0.15	0.051	0.017
MAX	4.77	2.32	0.67	0.64	0.68	11.2	15.9	25.1	13.6	1.00	0.73	0.085
(WY)	(1973)	(1988)	(1973)	(1973)	(1980)	(1993)	(1993)	(1983)	(1983)	(1995)	(1968)	(1988)
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	(1979)	(1977)	(1977)	(1968)	(1977)	(1977)	(1977)	(2002)	(1977)	(1996)	(1972)	(1966)

09378630 RECAPTURE CREEK NEAR BLANDING, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1966 - 2003	
ANNUAL TOTAL	0.17		61.21			
ANNUAL MEAN	0.000		0.17		1.24	
HIGHEST ANNUAL MEAN					4.60	1983
LOWEST ANNUAL MEAN					0.000	2002
HIGHEST DAILY MEAN	0.07	Mar 23	2.5	Apr 15	57	Oct 20, 1972
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Dec 20, 1965
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 1	0.00	Dec 20, 1965
ANNUAL RUNOFF (AC-FT)	0.3		121		901	
10 PERCENT EXCEEDS	0.00		0.35		3.4	
50 PERCENT EXCEEDS	0.00		0.00		0.03	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



09379500 SAN JUAN RIVER NEAR BLUFF, UT

LOCATION.--Lat 37°08'49", long 109°51'51", in SE¼NE¼SW¼ sec. 7, T. 42 S., R. 19 E., San Juan County, Hydrologic Unit 14080205, on left bank 1,600 ft downstream from Gypsum Creek, 1,800 ft upstream from highway bridge, 20 mi southwest of Bluff, at mile 113.5.

DRAINAGE AREA.--23,000 mi^2, approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1914 to current year. Monthly discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 1213: 1940. WSP 1313: 1917, 1929. WSP 1343: 1945.

GAGE.--Water-stage recorder. Datum of gage is 4,048 ft above NGVD of 1929, from levels of Topographic Division, U.S. Geological Survey. Prior to March 16, 1927, chain gages at sites about 1,700 ft downstream at different datums.

REMARKS.--Records good. Diversions for irrigation of approximately 200,000 acres above station. No diversion between station and mouth of river. Flow regulated by Navajo Reservoir since June 28, 1962 (see station 09355100 in New Mexico report).

EXTREMES FOR PERIOD OF RECORD.--(water years 1914-17, 1927-2003) maximum discharge, 70,000 ft^3/s, Sep 10, 1927, gage height, 32.0 ft, from rating curve extended above 31,000 ft^3/s, and slope-area measurement at gage height, 26.62 ft; no flow Jul 3-13, 1934, Aug 24-27, 29, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Oct 6, 1911, which is greatest known at Shiprock, NM, probably exceeded that of Sep 10, 1927 at this station but stage was not accurately determined.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 11	0015	*23,000	*16.84				

Minimum discharge, 249 ft^3/s, May 15.

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

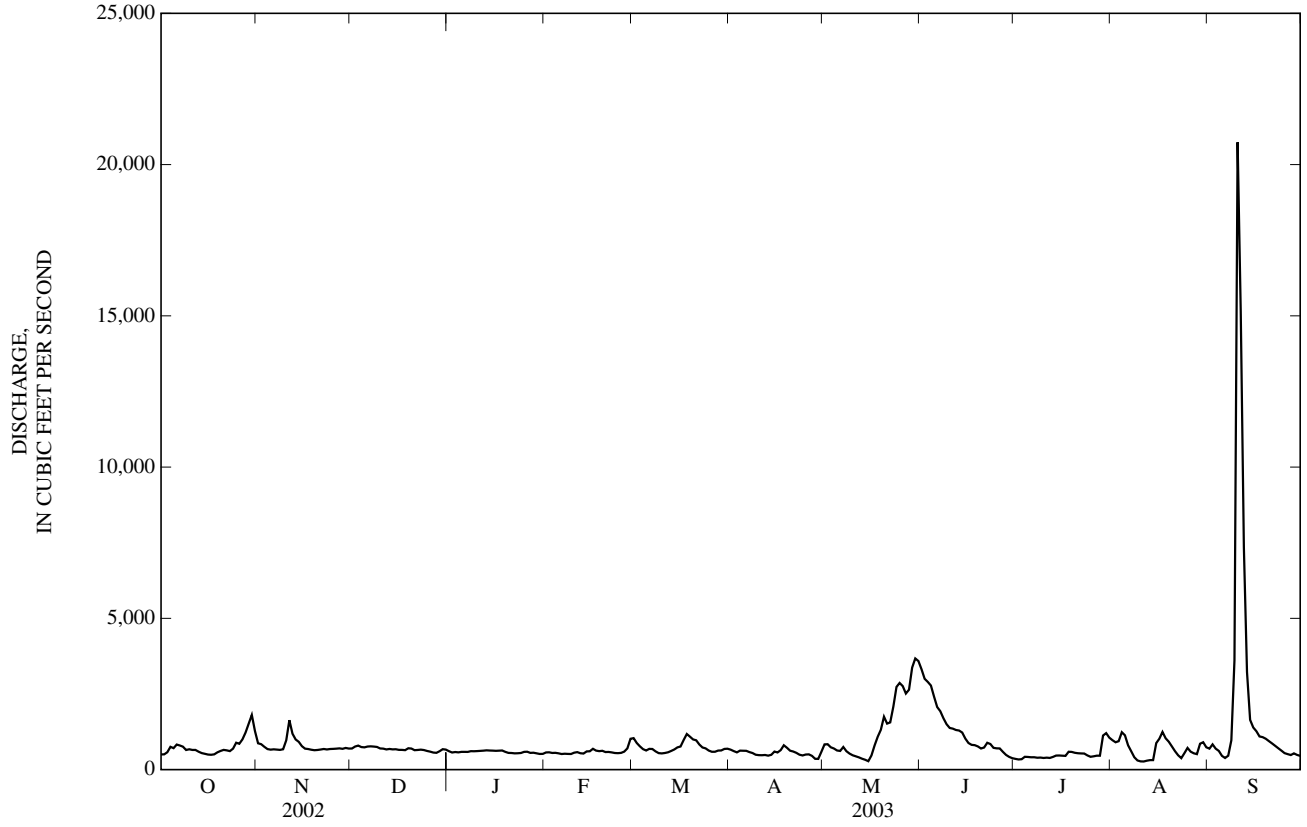
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	501	870	697	608	567	1,040	659	833	3,320	355	973	692
2	505	839	762	565	571	881	611	839	3,000	335	903	834
3	574	754	793	581	550	769	570	738	2,900	343	939	693
4	753	679	745	570	555	676	627	697	2,780	423	1,240	617
5	709	659	736	586	537	631	623	632	2,410	417	1,130	454
6	828	670	763	586	515	684	621	616	2,070	408	805	383
7	797	661	769	585	524	680	579	747	1,930	408	606	459
8	757	651	761	609	519	603	548	608	1,700	392	408	969
9	648	672	748	606	516	545	492	529	1,500	398	302	3,610
10	672	970	699	612	559	535	478	473	1,380	384	272	20,700
11	650	1,630	693	619	578	549	475	439	1,350	395	268	15,200
12	650	1,190	666	625	540	572	483	403	1,310	385	294	7,350
13	592	996	682	636	531	616	461	360	1,290	420	313	3,230
14	545	918	668	631	601	666	489	324	1,220	463	314	1,640
15	522	775	672	626	606	734	596	278	1,020	466	876	1,390
16	497	692	652	621	688	763	567	467	879	459	1,020	1,270
17	490	680	651	626	628	980	643	799	818	453	1,240	1,100
18	504	656	642	631	610	1,180	804	1,090	808	590	1,040	1,070
19	570	641	705	586	621	1,090	721	1,310	766	584	922	1,020
20	617	649	695	552	580	997	625	1,750	698	556	767	941
21	652	664	641	548	584	969	598	1,520	729	540	608	866
22	635	682	649	537	569	830	553	1,560	887	534	473	787
23	611	665	660	540	548	732	493	2,090	845	531	378	706
24	693	680	646	549	543	702	467	2,730	719	469	543	626
25	888	685	616	586	553	629	498	2,860	702	423	716	545
26	853	692	593	591	594	589	503	2,760	699	439	593	511
27	999	701	563	553	701	590	454	2,510	587	460	538	481
28	1,230	687	555	558	1,020	628	356	2,640	486	460	511	536
29	1,520	716	607	538	---	633	353	3,370	420	1,130	855	486
30	1,810	696	674	518	---	683	587	3,670	377	1,210	904	454
31	1,280	---	661	520	---	691	---	3,590	---	1,060	738	---
TOTAL	23,552	23,120	21,064	18,099	16,508	22,867	16,534	43,232	39,600	15,890	21,489	69,620
MEAN	760	771	679	584	590	738	551	1,395	1,320	513	693	2,321
MAX	1,810	1,630	793	636	1,020	1,180	804	3,670	3,320	1,210	1,240	20,700
MIN	490	641	555	518	515	535	353	278	377	335	268	383
AC-FT	46,720	45,860	41,780	35,900	32,740	45,360	32,800	85,750	78,550	31,520	42,620	138,100

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1927-2003, BY WATER YEAR (WY)

MEAN	1,530	1,224	1,091	1,106	1,401	1,841	3,346	5,161	5,539	2,467	1,760	1,648
MAX	10,650	4,435	3,821	3,374	3,683	6,209	10,120	21,520	15,380	9,212	9,335	11,870
(WY)	(1942)	(1987)	(1966)	(1986)	(1987)	(1916)	(1942)	(1941)	(1941)	(1957)	(1929)	(1927)
MIN	205	345	408	335	519	463	399	339	479	236	80.4	64.5
(WY)	(1957)	(1935)	(1957)	(1931)	(1964)	(1964)	(1977)	(1977)	(2002)	(1963)	(1939)	(1956)

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1915-17, 1927-2003	
ANNUAL TOTAL	264,290		331,575			
ANNUAL MEAN	724		908		2,243	
HIGHEST ANNUAL MEAN					5,859	1941
LOWEST ANNUAL MEAN					742	2002
HIGHEST DAILY MEAN	10,100	Sep 12	20,700	Sep 10	52,000	Jun 30, 1927
LOWEST DAILY MEAN	287	Jun 23	268	Aug 11	0.00	Jul 3, 1934
ANNUAL SEVEN-DAY MINIMUM	315	Jun 21	310	Aug 8	0.00	Jul 3, 1934
ANNUAL RUNOFF (AC-FT)	524,200		657,700		1,625,000	
10 PERCENT EXCEEDS	830		1,280		5,480	
50 PERCENT EXCEEDS	652		641		1,230	
90 PERCENT EXCEEDS	358		454		494	



09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1929 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1941 to September 1977, October 1980 to July 13, 1999, July 15, 2000 to current year.
WATER TEMPERATURE: May 1944 to September 1961, October 1964 to September 6, 1999, July 15, 2000 to current year.
SUSPENDED-SEDIMENT DISCHARGE: July 1929 to September 1980.

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.

INSTRUMENTATION.--Water-quality monitor October 1980 to September 6, 1999, July 15, 2000 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum daily, 2,790 microsiemens/cm, Sep 19, 1959; minimum daily, 208 microsiemens/cm, Jun 17, 1952.
WATER TEMPERATURE: Maximum, 33.4°C, Aug 14, 1998; minimum, -0.2°C, on many days during Dec, Jan 2001, Dec, Jan, Feb 2002.
SEDIMENT CONCENTRATIONS:Maximum daily mean, 383,000 mg/L, Sep 21, 1929; minimum daily mean, no flow, on several days in 1934 and 1939.
SEDIMENT LOADS: Maximum daily, 15,700,000 tons, Oct 20, 1972; minimum daily, 0 tons, on several days in 1934 and 1939.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 1,420 microsiemens/cm, Sep 9; minimum, 234 microsiemens/cm, May 31.
WATER TEMPERATURE: Maximum, 31.4°C, Jul 24; minimum, 0.4°C, Feb 9.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

Date	Time	Gage height, feet (00065)	Instan-taneous dis-charge, cfs (00061)	pH, water, unfltrd field, std units (00400)	Specif. conduc-tance, wat unf uS/cm 25 degC (00095)	Temper-ature, air, deg C (00020)	Temper-ature, water, deg C (00010)	Residue on evap. at 180degC wat flt mg/L (70300)
MAR								
12...	1000	3.62	566	7.9	990	15.5	10.0	688
APR								
16...	0930	3.59	554	8.3	860	14.0	11.0	584
MAY								
22...	0915	4.85	1,700	7.9	420	18.0	19.0	267
JUL								
03...	0925	3.23	320	8.3	670	27.5	24.5	427
AUG								
11...	0925	3.09	280	8.3	800	30.0	25.0	515

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	920	859	885	---	---	---	---	---	---	---	---	---
2	903	856	881	---	---	---	---	---	---	---	---	---
3	880	819	855	---	---	---	---	---	---	---	---	---
4	855	781	820	---	---	---	---	---	---	---	---	---
5	1,090	847	985	---	---	---	---	---	---	---	---	---
6	952	832	882	---	---	---	---	---	---	---	---	---
7	832	778	802	---	---	---	---	---	---	---	---	---
8	835	776	801	---	---	---	---	---	---	---	---	---
9	784	756	774	---	---	---	---	---	---	---	---	---
10	815	751	773	---	---	---	---	---	---	---	---	---
11	803	783	788	---	---	---	---	---	---	---	---	---
12	800	776	787	---	---	---	---	---	---	---	---	---
13	789	766	779	---	---	---	---	---	---	---	---	---
14	789	769	779	---	---	---	---	---	---	849	837	846
15	790	775	782	---	---	---	---	---	---	856	835	846
16	791	780	786	---	---	---	---	---	---	851	833	843
17	791	776	784	---	---	---	---	---	---	848	833	842
18	804	786	798	---	---	---	---	---	---	852	835	842
19	815	800	807	---	---	---	---	---	---	840	833	836
20	806	783	792	---	---	---	---	---	---	839	833	836
21	806	790	797	---	---	---	---	---	---	849	839	845
22	791	771	778	---	---	---	---	---	---	852	840	847
23	774	763	769	---	---	---	---	---	---	860	841	852
24	773	750	765	---	---	---	---	---	---	866	847	860
25	802	748	777	---	---	---	---	---	---	866	858	862
26	832	746	795	---	---	---	---	---	---	860	845	852
27	845	718	778	---	---	---	---	---	---	848	838	843
28	770	738	759	---	---	---	---	---	---	862	848	858
29	869	759	827	---	---	---	---	---	---	856	847	852
30	---	---	---	---	---	---	---	---	---	853	848	850
31	---	---	---	---	---	---	---	---	---	866	853	863
MONTH	1,090	718	806	---	---	---	---	---	---	866	833	849
		FEBRUARY			MARCH			APRIL			MAY	
1	880	857	870	921	911	916	826	790	805	829	775	797
2	857	850	853	943	921	932	794	786	790	775	628	697
3	861	850	855	976	941	959	794	786	790	628	604	611
4	860	851	858	980	975	977	817	791	803	617	606	610
5	864	856	860	989	978	982	816	807	811	629	613	621
6	866	856	861	992	965	983	819	796	806	646	626	635
7	861	846	858	999	982	989	843	817	830	667	644	655
8	854	841	846	995	982	991	838	818	827	657	634	644
9	851	840	844	982	973	977	832	820	826	651	633	638
10	850	823	840	988	973	979	837	820	828	689	651	670
11	836	820	826	994	979	985	937	837	892	723	687	706
12	839	823	831	997	985	990	929	877	893	756	722	747
13	853	828	842	994	983	988	879	861	870	776	756	771
14	876	847	861	983	972	977	870	844	860	804	771	788
15	901	876	889	998	975	986	856	829	842	838	804	818
16	909	869	893	996	976	990	853	830	843	886	831	857
17	902	881	892	976	874	930	830	790	805	930	744	874
18	911	901	904	899	879	889	806	788	798	744	624	680
19	914	906	911	950	866	906	788	712	741	624	540	569
20	918	908	912	1,040	940	1,000	713	684	699	545	473	517
21	924	913	917	1,000	905	940	693	682	687	482	435	466
22	929	918	923	934	905	926	717	690	702	439	393	409
23	932	922	928	940	927	933	728	704	716	396	386	391
24	922	914	918	950	940	946	743	718	733	403	338	387
25	922	915	918	948	932	940	775	738	761	339	297	324
26	915	895	905	932	915	921	780	765	771	339	290	310
27	917	895	900	915	889	901	769	730	749	297	281	287
28	917	903	913	889	858	872	754	728	736	312	294	301
29	---	---	---	867	857	862	800	754	779	317	278	298
30	---	---	---	865	840	854	858	798	828	279	251	266
31	---	---	---	840	818	828	---	---	---	252	234	242
MONTH	932	820	880	1,040	818	944	937	682	794	930	234	567

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	246	238	240	652	617	635	686	673	678	857	832	846
2	299	246	263	689	651	675	673	636	654	896	857	875
3	278	270	274	697	670	682	639	579	620	874	838	858
4	278	273	275	706	673	689	664	625	644	841	830	836
5	292	275	287	689	646	672	661	649	653	846	839	842
6	304	290	296	650	633	645	681	656	671	861	846	854
7	323	303	311	643	623	634	695	681	687	875	860	869
8	340	323	330	627	612	623	702	694	697	1,000	847	901
9	374	340	358	622	609	618	696	682	689	1,420	906	1,030
10	409	372	390	620	607	614	702	679	689	1,220	648	873
11	424	408	419	620	602	613	748	701	721	1,260	906	1,090
12	426	423	424	620	605	614	781	748	762	1,260	1,080	1,160
13	426	419	423	608	594	603	777	712	740	1,080	994	1,020
14	430	423	428	598	580	593	713	707	710	994	969	984
15	448	430	441	580	561	573	725	543	686	969	871	926
16	476	447	463	562	547	556	656	551	624	874	721	809
17	524	476	505	556	541	550	820	622	728	783	689	726
18	532	516	523	561	545	555	734	642	682	694	636	659
19	540	528	532	556	520	540	676	666	673	671	653	661
20	559	532	542	520	495	500	666	627	649	692	671	682
21	578	556	563	501	495	497	629	615	622	713	690	702
22	656	578	607	504	496	500	618	612	614	743	710	723
23	687	655	668	506	495	501	632	612	620	773	734	750
24	669	645	661	506	495	501	724	631	674	797	762	778
25	645	602	626	519	499	505	704	670	684	844	788	810
26	605	588	599	552	519	532	730	694	710	903	825	859
27	590	571	582	767	549	629	757	730	743	929	884	905
28	571	560	567	590	555	568	793	757	773	948	909	924
29	584	569	577	587	551	563	854	793	843	933	919	928
30	617	584	602	621	578	603	854	808	831	921	909	914
31	---	---	---	793	612	677	852	836	845	---	---	---
MONTH	687	238	459	793	495	589	854	543	697	1,420	636	860

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17.3	14.5	15.6	---	---	---	---	---	---	---	---	---
2	16.3	14.4	15.1	---	---	---	---	---	---	---	---	---
3	14.4	12.2	13.1	---	---	---	---	---	---	---	---	---
4	14.6	11.4	12.8	---	---	---	---	---	---	---	---	---
5	15.5	12.2	13.7	---	---	---	---	---	---	---	---	---
6	16.6	13.3	14.8	---	---	---	---	---	---	---	---	---
7	17.3	14.1	15.6	---	---	---	---	---	---	---	---	---
8	17.4	14.3	15.8	---	---	---	---	---	---	---	---	---
9	17.9	14.3	15.9	---	---	---	---	---	---	---	---	---
10	17.5	14.3	15.8	---	---	---	---	---	---	---	---	---
11	16.6	14.8	15.6	---	---	---	---	---	---	---	---	---
12	16.9	14.4	15.4	---	---	---	---	---	---	---	---	---
13	16.2	12.9	14.5	---	---	---	---	---	---	---	---	---
14	16.6	13.4	14.7	---	---	---	---	---	---	4.0	3.3	3.7
15	16.6	12.9	14.5	---	---	---	---	---	---	5.8	3.6	4.3
16	16.1	12.5	14.0	---	---	---	---	---	---	5.1	3.2	4.0
17	13.7	12.1	12.9	---	---	---	---	---	---	4.7	2.6	3.4
18	15.9	12.2	13.6	---	---	---	---	---	---	4.1	2.0	2.9
19	15.7	12.5	13.9	---	---	---	---	---	---	4.0	1.6	2.6
20	14.9	12.3	13.5	---	---	---	---	---	---	3.9	1.6	2.5
21	14.8	11.9	13.3	---	---	---	---	---	---	4.1	1.7	2.7
22	14.6	12.5	13.5	---	---	---	---	---	---	5.1	2.4	3.4
23	15.8	13.0	14.0	---	---	---	---	---	---	5.1	2.9	3.8
24	15.7	13.3	14.2	---	---	---	---	---	---	5.9	3.3	4.3
25	14.2	12.4	13.3	---	---	---	---	---	---	6.0	4.0	4.8
26	13.0	12.0	12.5	---	---	---	---	---	---	5.6	3.2	4.2
27	13.2	11.2	12.0	---	---	---	---	---	---	5.9	3.3	4.4
28	11.8	10.2	11.1	---	---	---	---	---	---	6.2	3.6	4.6
29	11.2	9.0	10.3	---	---	---	---	---	---	6.1	4.0	4.9
30	---	---	---	---	---	---	---	---	---	6.2	3.9	4.8
31	---	---	---	---	---	---	---	---	---	6.9	4.1	5.1
MONTH	17.9	9.0	14.0	---	---	---	---	---	---	6.9	1.6	3.9
		FEBRUARY			MARCH			APRIL			MAY	
1	7.2	4.8	5.8	6.9	5.2	5.9	13.8	10.6	12.0	16.7	13.1	14.8
2	7.1	5.6	6.3	7.4	4.9	5.9	11.9	9.6	11.1	17.8	14.1	15.9
3	6.6	4.5	5.4	7.7	5.0	6.4	11.1	8.4	9.4	17.4	14.5	15.7
4	6.0	3.4	4.5	6.9	6.0	6.6	11.9	7.6	9.7	16.2	12.9	14.5
5	4.9	2.9	3.8	8.0	5.1	6.4	10.7	9.0	9.9	17.7	13.5	15.5
6	4.1	1.7	2.7	9.0	5.7	7.2	10.4	7.2	8.9	18.2	14.0	16.0
7	3.6	0.8	1.9	9.9	6.7	8.1	12.8	8.2	10.2	18.1	15.1	16.4
8	3.1	0.5	1.6	10.5	7.0	8.6	14.1	9.0	11.3	16.3	13.4	14.6
9	3.3	0.4	1.5	11.5	7.7	9.4	15.3	10.0	12.4	15.2	11.8	13.2
10	3.4	0.6	1.7	11.9	8.5	10	16.7	11.6	13.9	17.1	11.2	13.7
11	2.3	0.9	1.6	12.4	8.7	10.3	18.1	13.2	15.4	19.5	12.9	15.9
12	2.9	1.4	2.1	13.4	9.7	11.3	17.4	14.0	15.3	21.5	15.4	18.1
13	4.1	2.6	3.5	13.9	10.3	12.0	17.9	12.9	15.1	19.8	17.2	18.2
14	6.8	3.9	5.1	12.6	11.2	12.0	16.0	13.5	14.6	20.2	16.4	18.1
15	8.3	5.1	6.4	11.9	10.1	11.0	13.8	11.7	12.9	20.8	17.3	18.5
16	8.6	6.5	7.5	12.4	10.3	11.2	15.1	9.8	12.2	22.0	16.5	19.3
17	9.9	7.4	8.4	11.6	9.9	10.5	15.1	11.8	13.2	21.0	18.9	20.1
18	10.4	8.3	9.1	10.1	7.8	8.6	13.8	10.9	12.4	20.7	18.3	19.6
19	9.0	7.3	8.0	9.9	7.6	8.7	14.0	11.4	12.8	21.5	18.2	20.0
20	9.2	6.9	7.8	9.6	7.9	8.8	16.1	11.0	13.4	20.9	18.2	19.7
21	9.4	6.8	7.9	10.7	8.0	9.3	15.7	13.3	14.5	21.8	18.3	20.1
22	9.2	6.4	7.5	12.1	8.6	10.3	15.4	12.3	14.0	22.3	19.1	20.9
23	8.2	5.2	6.6	13.3	9.5	11.4	14.2	10.3	12.1	21.9	20.3	21.3
24	8.0	5.5	6.7	12.6	10.8	11.8	16.9	11.6	13.8	21.8	19.4	20.7
25	9.0	7.0	7.8	13.5	10.2	11.7	18.2	13.3	15.5	21.0	19.0	20.0
26	8.9	7.5	8.1	12.4	10.4	11.4	18.5	13.8	15.9	21.0	18.1	19.6
27	7.5	5.4	6.4	12.1	9.7	10.7	19.9	14.6	17.0	22.5	19.0	20.6
28	7.2	4.8	5.8	11.0	8.1	9.4	19.2	15.1	16.9	23.7	20.6	22.2
29	---	---	---	10.0	6.7	8.4	16.0	12.9	14.6	23.1	21.2	22.3
30	---	---	---	11.0	7.0	9.0	16.2	11.8	13.8	22.7	20.4	21.7
31	---	---	---	13.1	8.6	10.8	---	---	---	21.7	19.6	20.9
MONTH	10.4	0.4	5.4	13.9	4.9	9.5	19.9	7.2	13.1	23.7	11.2	18.3

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22.3	19.5	20.9	28.6	24.0	26.1	27.8	25.0	26.4	25.0	21.9	23.5
2	21.8	19.9	21.0	28.6	22.6	25.4	28.1	24.9	26.4	24.5	22.5	23.6
3	22.0	20.0	21.1	29.1	22.9	25.7	27.1	25.1	26.1	25.0	22.6	23.6
4	21.8	19.5	20.8	28.8	22.6	25.6	27.2	24.8	26.1	23.6	22.1	22.8
5	21.5	19.0	20.4	29.0	23.1	25.9	26.9	24.5	25.9	24.4	21.2	22.6
6	20.9	19.0	20.2	28.8	24.2	26.3	26.3	23.7	25.2	23.5	21.2	22.1
7	21.6	18.5	20.1	28.3	22.9	25.6	26.5	24.1	24.9	23.3	20.1	21.4
8	22.1	19.3	20.7	29.1	23.0	25.9	28.3	23.1	25.4	21.5	20.2	20.8
9	22.7	20.0	21.4	28.8	23.5	26.1	29.6	24.2	26.5	20.3	15.4	18.7
10	23.0	20.3	21.7	29.5	22.8	25.9	30.4	24.7	27.3	15.9	14.4	15.0
11	22.4	19.0	20.9	30.1	23.1	26.4	30.2	24.4	27.1	16.6	15.0	15.8
12	22.9	19.8	21.5	29.9	24.3	26.9	30.4	24.9	27.3	17.3	15.9	16.5
13	23.8	20.6	22.3	29.4	24.7	26.8	30.9	25.6	27.8	17.8	16.4	17.1
14	24.7	20.8	22.9	29.7	24.8	27.1	30.6	25.0	27.3	18.0	16.0	17.1
15	25.9	21.6	23.9	30.4	25.3	27.5	26.8	21.8	24.0	18.7	16.2	17.5
16	26.2	22.9	24.7	30.7	25.7	27.6	24.8	22.1	23.4	19.7	17.4	18.6
17	25.7	22.3	23.9	30.6	26.0	28.0	25.5	22.7	24.2	19.6	17.7	18.5
18	25.8	21.6	23.9	30.4	26.4	28.2	25.8	23.3	24.8	18.5	16.2	17.4
19	25.8	22.0	23.8	30.9	26.7	28.6	26.4	23.4	24.9	18.4	15.5	17.0
20	23.5	21.1	22.4	31.0	26.8	28.6	27.1	23.5	25.2	19.4	16.1	17.6
21	22.9	18.7	20.8	30.4	26.3	28.1	28.1	24.4	25.8	19.9	16.6	18.1
22	23.1	18.9	21.0	31.0	26.3	28.3	28.2	24.3	25.9	20.5	16.7	18.4
23	21.8	18.9	20.3	31.0	26.9	28.6	28.0	24.4	25.7	21.2	17.4	19.1
24	20.9	17.6	19.2	31.4	26.6	28.5	27.9	23.5	25.2	20.8	18.1	19.3
25	22.8	17.6	20.0	31.2	26.7	28.5	27.5	24.2	25.6	21.8	17.8	19.5
26	24.7	19.5	22.0	30.3	25.5	27.7	27.9	24.5	26.1	21.5	17.6	19.2
27	25.9	20.5	23.1	30.1	25.5	27.3	26.2	24.3	24.9	22.0	17.8	19.5
28	26.8	21.4	24.0	30.6	25.8	27.8	26.5	22.9	24.5	21.9	18.3	19.7
29	28.1	22.4	25.1	29.2	26.0	27.6	26.1	22.8	24.4	21.8	18.2	19.7
30	28.8	22.5	25.4	27.4	25.3	26.5	25.8	23.5	24.7	22.1	18.2	19.8
31	---	---	---	27.1	24.7	25.9	25.9	22.5	24.2	---	---	---
MONTH	28.8	17.6	22.0	31.4	22.6	27.1	30.9	21.8	25.6	25.0	14.4	19.3

09380000 COLORADO RIVER AT LEES FERRY, AZ
(NATIONAL STREAM-QUALITY ACCOUNTING NETWORK)

LOCATION.--Lat 36 51'53", long 111 35'15", in NE1/4SE1/4 sec. 13, T.40 N., R.7 E., Coconino County, Hydrologic Unit 14070006, in Navajo Indian Reservation, on left bank at head of Marble Gorge at Lees Ferry, just upstream from Paria River, 16 mi downstream from Glen Canyon Dam, 28 mi downstream from Utah-Arizona State line, and 61.5 mi upstream from Little Colorado River.

DRAINAGE AREA.--111,800 mi^2, approximately, including 3,959 mi^2 in Great Divide Basin in southern Wyoming, which is noncontributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Jan. 1895 to current year.Estimates of monthly and annual discharge only for some periods, published in WSP 1313.

REVISED RECORDS.--WSP 859:1921–23.WSP 1313:1914–21.

GAGE.--Water-stage recorder.Datum of gage is 3,106.16 ft above sea level.Prior to Jan. 19, 1923, nonrecording gages or reference points within 400 ft of present gage, at different datums.

REMARKS.--No estimated daily discharge.Records good.Flow regulated since Mar. 13, 1963, by Lake Powell, 16 mi upstream.Many diversions above Lake Powell for irrigation, municipal, and industrial use.No diversions or inflow between Lake Powell and the gage.

AVERAGE DISCHARGE.--51 years (water years 1912–62), 17,850 ft3/s, 12,930,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--1895–1962:Maximum discharge, 220,000 ft3/s June 18, 1921, gage height, 26.5 ft, from floodmarks, from rating curve extended above 120,000 ft3/s on basis of discharge computed for station near Grand Canyon; minimum,
750 ft3/s Dec. 27, 1924.
1963–2000: Maximum discharge, 97,300 ft3/s June 29, 1983, gage height, 18.14 ft; minimum daily, 700 ft3/s Jan. 23, 24, 1963, result of closing coffer dam at Glen Canyon Dam.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge since at least 1868, about 300,000 ft3/s July 7, 1884, gage height, 31.5 ft, present site and datum, from floodmark at mouth of Paria River, from rating curve extended above 120,000 ft3/s on basis of discharge computed for flood of June 18, 1921, for station near Grand Canyon.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 20,300 ft3/s, Feb. 2,11,16,22,23, and Mar. 2 and 8, gage height, 10.62 ft. Minimum daily discharge, 7,270 ft3/s Sept. 28.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8430	8290	8400	12300	12900	13000	11200	11300	10600	16000	16100	8090
2	8360	7940	10200	13000	12900	13000	10600	11500	14800	15900	15500	8260
3	8420	7410	10200	12900	13000	13000	10600	10700	15300	15800	11100	8270
4	8370	7990	10300	13000	12900	12900	10500	8440	15300	11000	15200	8420
5	8110	8340	10100	13000	12900	12900	10600	10900	15400	15000	15800	8420
6	7390	8370	10300	13000	12900	12900	8080	11500	15300	11000	15900	8390
7	8210	8280	9690	13100	13000	12900	10100	11400	14300	15200	15900	7320
8	8390	8270	8690	13000	12900	13000	10400	11500	10800	15900	15800	8350
9	8760	8080	10100	13000	13000	13000	10500	11500	14900	15800	15600	8360
10	8360	7420	10200	12900	13000	13000	10500	10500	15300	15800	11100	8350
11	8380	7920	10300	13000	13000	12900	10500	8370	15400	15900	15200	8270
12	7990	8270	10400	13000	13000	13000	10600	10900	15400	15000	15900	8350
13	7480	8300	10300	12900	13000	12900	8120	11500	15400	11500	15900	8280
14	8080	8280	9810	12900	12900	12900	10000	11500	14400	15300	15900	7320
15	8350	8330	8830	12900	13000	12900	10500	11500	10800	15900	15800	8380
16	8290	8090	10200	12900	13000	12900	10600	11500	14900	15900	15700	8400
17	8310	7330	10300	12900	12900	13000	10600	10600	15400	15800	11400	8400
18	8350	7940	10300	12900	13000	13000	10500	8420	15600	15800	15100	8370
19	7980	8220	10300	13000	13000	13000	10500	10800	15500	14900	16000	8410
20	7360	8250	10300	13000	13000	12900	8080	11500	15500	11600	15900	8340
21	8170	8350	9600	12900	13000	12100	10100	11500	14700	15400	16000	7330
22	8440	8280	9020	13000	13000	12900	10500	11500	10700	16000	16000	8320
23	8390	8110	10100	12900	12900	12900	10500	10800	14500	15900	15700	8380
24	8330	7400	10200	12900	13000	13000	10600	8220	15600	15900	11500	8400
25	8300	7980	8960	12900	13000	12900	10500	8170	15600	15200	15100	8320
26	7900	8290	10100	12900	13600	13000	10600	8170	15700	15500	15900	7910
27	7320	8300	10300	12800	13600	13000	8090	10900	15600	11100	16000	7780
28	8070	7550	9730	13000	13600	13000	10000	11300	15500	15300	15900	7270
29	8370	8050	9000	12900	---	12900	10600	12200	11000	15900	15900	7820
30	8410	8120	10100	12900	---	13000	10800	12700	14900	16300	15600	8160
31	8600	---	10300	12900	---	12900	---	12200	---	16200	11300	---
TOTAL	253670	241750	306630	400600	364900	400600	305370	333490	434100	463700	465700	244440
MEAN	8183	8058	9891	12920	13030	12920	10180	10760	14470	14960	15020	8148
MAX	8760	8370	10400	13100	13600	13000	11200	12700	15700	16300	16100	8420
MIN	7320	7330	8400	12300	12900	12100	8080	8170	10600	11000	11100	7270
AC-FT	503200	479500	608200	794600	723800	794600	605700	661500	861000	919700	923700	484800

CAL YR 2002	TOTAL	3988900	MEAN	10930	MAX	15600	MIN	7070	AC-FT	7912000
WTR YR 2003	TOTAL	4214950	MEAN	11550	MAX	16300	MIN	7270	AC-FT	8360000

09381500 PARIA RIVER NEAR CANNONVILLE, UT

LOCATION.--Lat 37°28'52", long 112°01'15", in NE¼SE¼SE¼ sec. 20, T. 38 S., R. 2 W., Garfield County, Hydrologic Unit 14070007, Grand Staircase Escalante National Monument, on left bank about 0.5 mi downstream of Little Dry Valley and about 6.5 mi south of Cannonville.

DRAINAGE AREA.--198 mi^2.

PERIOD OF RECORD.--December 1950 to September 1955. Annual maximums, water years 1959-74. December 2001 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,480 ft above NGVD of 1929, from topographic map

REMARKS.--Records fair except estimated days, which are poor. Several diversions above station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,600 ft^3/s, Aug 31, 1963, gage height, 19.25 ft; minimum daily discharge, no flow on many days in each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,710 ft^3/s, Aug 23, gage height, 11.70 ft; no flow on several days in Jul.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.2	4.8	12	e6.0	3.4	16	5.7	0.77	0.58	0.12	1.8	0.11
2	40	8.0	8.9	e6.0	4.4	17	6.8	0.61	0.42	0.12	5.6	0.18
3	38	5.9	8.7	e7.0	3.2	20	7.5	0.60	0.40	0.13	0.88	0.13
4	12	5.8	8.1	e5.0	3.5	15	7.5	0.94	0.35	0.11	0.39	0.07
5	6.2	5.9	9.2	e5.5	3.5	11	8.9	0.88	0.33	0.07	0.16	0.02
6	e4.5	6.2	13	e6.0	e3.3	15	8.3	0.75	0.35	0.07	0.04	62
7	e3.2	6.1	8.8	e5.5	e3.2	18	7.9	0.72	0.33	0.06	0.10	22
8	e2.4	6.6	9.4	e6.0	e3.5	19	4.7	1.2	0.42	0.04	0.23	2.2
9	e1.9	9.4	8.0	e5.5	3.9	19	5.7	2.5	0.56	0.03	7.2	0.53
10	1.5	8.4	12	7.5	4.1	18	5.0	2.8	0.37	0.00	3.7	0.41
11	1.4	8.7	12	5.3	4.3	22	4.3	2.1	0.37	0.00	1.3	0.32
12	0.50	9.0	9.7	3.7	6.7	21	4.3	1.9	0.35	0.00	0.30	0.29
13	0.32	7.5	12	3.5	31	21	4.3	0.68	e0.32	0.00	0.03	0.17
14	0.84	7.2	10	3.5	24	21	4.3	0.76	0.29	0.00	0.01	0.14
15	0.82	7.0	9.3	3.3	16	18	6.2	18	0.27	0.00	e0.13	0.17
16	0.90	7.0	10	3.0	12	26	6.3	1.6	0.25	0.00	e0.13	0.13
17	1.3	4.7	11	3.0	13	30	6.0	3.2	0.26	0.00	e0.07	0.08
18	1.1	4.3	9.4	3.1	11	16	8.1	6.5	0.30	0.00	e0.22	0.06
19	0.90	6.3	7.0	4.3	9.1	11	9.1	5.1	0.28	0.00	e0.50	0.13
20	0.97	3.8	12	3.0	8.9	12	5.2	4.0	0.26	0.00	1.1	0.09
21	1.1	3.5	e6.5	3.8	8.0	11	3.1	0.66	0.27	0.00	4.9	0.06
22	22	3.6	e7.0	2.7	7.3	10	11	0.62	0.27	0.01	1.4	0.08
23	13	3.6	e8.0	3.4	6.9	11	12	0.62	0.26	0.00	476	0.07
24	8.9	3.5	e7.8	2.9	7.2	12	9.8	0.57	0.31	1.7	226	0.07
25	8.1	3.3	e7.0	2.8	16	11	7.1	0.51	0.33	0.73	21	0.08
26	7.6	7.7	e7.0	2.9	23	9.4	2.5	0.48	0.27	0.22	1.4	0.02
27	33	7.1	e5.5	2.9	16	10	1.1	0.46	0.24	0.00	1.7	0.02
28	7.6	7.2	e4.0	3.1	14	9.2	1.7	0.44	0.17	e200	0.19	0.03
29	6.5	8.1	e5.0	3.2	---	9.0	1.0	0.42	0.17	e30	0.05	0.04
30	4.7	18	e5.5	3.2	---	7.5	0.89	0.46	0.13	e10	0.81	0.05
31	4.4	---	e6.0	3.1	---	7.1	---	3.8	---	e6.8	0.06	---
TOTAL	244.85	198.2	269.8	129.7	270.4	473.2	176.29	64.65	9.48	250.21	757.40	89.75
MEAN	7.90	6.61	8.70	4.18	9.66	15.3	5.88	2.09	0.32	8.07	24.4	2.99
MAX	40	18	13	7.5	31	30	12	18	0.58	200	476	62
MIN	0.32	3.3	4.0	2.7	3.2	7.1	0.89	0.42	0.13	0.00	0.01	0.02
AC-FT	486	393	535	257	536	939	350	128	19	496	1,500	178

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-1955, 2003, BY WATER YEAR (WY)

MEAN	6.45	7.77	9.55	7.48	10.7	14.8	6.29	1.96	0.70	9.27	18.6	5.85
MAX	13.8	9.89	18.0	13.2	17.9	29.3	21.1	4.80	3.73	38.9	46.4	14.8
(WY)	(1955)	(1954)	(1953)	(1953)	(1952)	(1952)	(1952)	(1951)	(1952)	(1953)	(1955)	(1954)
MIN	2.75	5.36	5.09	3.50	4.57	6.18	1.69	0.20	0.010	0.47	0.000	0.057
(WY)	(1952)	(1955)	(1955)	(1955)	(1955)	(2002)	(2002)	(1955)	(1955)	(2002)	(2002)	(1955)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951-1955, 2003	
ANNUAL TOTAL	1,758.12		2,933.93			
ANNUAL MEAN	4.82		8.04		9.36	
HIGHEST ANNUAL MEAN					12.0	1953
LOWEST ANNUAL MEAN					6.71	1954
HIGHEST DAILY MEAN	196	Sep 7	476	Aug 23	566	Aug 16, 1955
LOWEST DAILY MEAN	0.00	Jun 16	0.00	Jul 10	0.00	Jul 4, 1951
ANNUAL SEVEN-DAY MINIMUM	0.00	Jun 16	0.00	Jul 10	0.00	Jul 4, 1951
ANNUAL RUNOFF (AC-FT)	3,490		5,820		6,780	
10 PERCENT EXCEEDS	9.4		14		18	
50 PERCENT EXCEEDS	2.1		3.5		4.8	
90 PERCENT EXCEEDS	0.00		0.07		0.00	

e Estimated

09381800 PARIA RIVER NEAR KANAB, UT

LOCATION.--Lat 37°06'27", long 111°54'19", in NE¼NE¼NE¼ sec. 4, T. 42 S., R. 4 W., Kane County, Hydrologic Unit 14070007, on downstream side of U.S. Highway 89 bridge pier, 7.4 miles north of Utah-Arizona border, 31.0 miles northwest of Page, AZ, and 44.0 miles east of Kanab.

DRAINAGE AREA.--647 mi^2.

PERIOD OF RECORD.--Annual maximums, water years 1959-74. August 2002 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,345 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 15,400 ft^3/s, Aug 31, 1963, gage height, 16.26 ft (datum unknown); no flow for many days in each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,500 ft^3/s, Aug 24, gage height, 10.69 ft from rating curve extended above 190 ft^3/s on basis of step-backwater computation and comparison with nearby stations; no flow on several days in Jun and Jul.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	15	12	7.4	15	16	11	1.1	0.06	2.3	11	0.83
2	21	15	7.5	7.1	14	15	7.9	1.2	0.21	4.6	21	0.44
3	89	16	6.8	7.7	13	15	8.9	1.3	2.2	1.6	9.3	0.55
4	35	14	6.9	7.6	13	14	8.4	e1.4	5.8	3.6	2.7	e8.0
5	18	13	6.5	9.1	11	12	9.2	e2.0	1.4	0.00	2.1	e36
6	10	13	6.5	11	14	12	11	e2.5	0.53	0.00	1.3	e51
7	5.4	12	6.8	12	8.6	13	8.1	e2.5	2.8	0.00	0.85	e25
8	4.2	12	6.6	11	8.6	13	8.6	e3.0	0.10	0.00	2.0	11
9	3.1	86	8.0	10	10	13	8.7	e4.0	5.1	0.00	2.4	5.5
10	2.7	50	6.8	11	9.4	12	7.7	4.2	3.8	0.01	8.5	3.4
11	4.9	e25	7.0	12	11	15	11	4.8	2.6	0.00	9.8	2.7
12	4.7	e12	7.2	11	11	14	9.2	7.8	3.2	0.00	3.4	2.2
13	3.7	e11	7.0	11	30	14	10	5.6	e0.06	0.00	2.7	1.7
14	3.3	e10	6.7	9.9	32	14	7.2	6.4	2.4	1.2	1.3	1.2
15	3.3	e10	7.5	12	23	14	8.1	11	0.00	1.5	1.5	1.3
16	3.8	e10	7.4	10	20	17	6.6	8.7	3.8	0.29	9.7	1.5
17	2.8	e8.0	20	9.8	16	20	9.0	3.7	0.00	0.00	36	0.60
18	3.9	e7.0	10	11	14	17	7.1	2.6	0.00	0.16	20	1.2
19	3.1	e8.0	6.6	11	14	e15	8.4	4.3	0.00	0.01	28	0.73
20	2.4	e7.0	2.6	11	12	e16	5.5	3.0	0.38	1.3	7.2	0.34
21	2.7	e7.0	2.4	11	12	e15	5.5	2.2	0.30	4.3	2.7	0.34
22	20	e6.9	5.8	12	11	e14	5.5	1.6	0.07	0.19	4.6	0.34
23	35	e6.8	7.5	11	11	e14	8.5	0.41	6.0	0.08	7.6	0.90
24	e17	e6.8	7.8	11	11	e15	6.4	0.37	3.8	0.02	e710	0.45
25	14	e6.0	7.4	11	25	e14	5.5	0.18	0.70	0.04	e45	0.34
26	16	e9.0	3.2	12	73	e13	3.7	0.51	0.00	0.06	e12	0.34
27	17	6.7	4.1	11	38	12	1.0	0.43	3.3	0.00	4.6	0.34
28	43	5.3	4.4	12	21	9.9	e1.2	0.01	4.2	0.00	4.2	0.34
29	20	5.1	5.5	13	---	11	e1.1	0.07	2.1	55	1.6	0.34
30	16	6.4	4.6	12	---	9.1	e1.1	1.8	3.6	11	3.7	0.34
31	13	---	7.0	13	---	11	---	0.20	---	46	1.3	---
MEAN	14.8	14.0	6.97	10.7	17.9	13.8	7.04	2.87	1.95	4.30	31.6	5.31
MAX	89	86	20	13	73	20	11	11	6.0	55	710	51
MIN	2.4	5.1	2.4	7.1	8.6	9.1	1.0	0.01	0.00	0.00	0.85	0.34

e Estimated

09381800 PARIA RIVER NEAR KANAB, UT—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	0.0
2	---	---	---	---	---	---	---	---	---	---	---	0.0
3	---	---	---	---	---	---	---	---	---	---	---	0.0
4	---	---	---	---	---	---	---	---	---	---	---	0.0
5	---	---	---	---	---	---	---	---	---	---	---	0.0
6	---	---	---	---	---	---	---	---	---	---	---	0.0
7	---	---	---	---	---	---	---	---	---	---	0.0	e250
8	---	---	---	---	---	---	---	---	---	---	0.0	e60
9	---	---	---	---	---	---	---	---	---	---	0.0	e13
10	---	---	---	---	---	---	---	---	---	---	0.0	e2.0
11	---	---	---	---	---	---	---	---	---	---	0.0	e10
12	---	---	---	---	---	---	---	---	---	---	0.0	e30
13	---	---	---	---	---	---	---	---	---	---	0.0	e12
14	---	---	---	---	---	---	---	---	---	---	0.0	e6.0
15	---	---	---	---	---	---	---	---	---	---	0.0	e3.0
16	---	---	---	---	---	---	---	---	---	---	0.0	e1.3
17	---	---	---	---	---	---	---	---	---	---	0.0	0.39
18	---	---	---	---	---	---	---	---	---	---	0.0	0.41
19	---	---	---	---	---	---	---	---	---	---	0.0	0.40
20	---	---	---	---	---	---	---	---	---	---	0.0	0.30
21	---	---	---	---	---	---	---	---	---	---	0.0	e0.25
22	---	---	---	---	---	---	---	---	---	---	0.0	0.15
23	---	---	---	---	---	---	---	---	---	---	0.0	0.19
24	---	---	---	---	---	---	---	---	---	---	0.0	0.17
25	---	---	---	---	---	---	---	---	---	---	0.0	0.10
26	---	---	---	---	---	---	---	---	---	---	0.0	0.15
27	---	---	---	---	---	---	---	---	---	---	0.0	0.10
28	---	---	---	---	---	---	---	---	---	---	0.0	6.1
29	---	---	---	---	---	---	---	---	---	---	0.0	75
30	---	---	---	---	---	---	---	---	---	---	0.0	84
31	---	---	---	---	---	---	---	---	---	---	0.0	---
MEAN	---	---	---	---	---	---	---	---	---	---	---	18.5
MAX	---	---	---	---	---	---	---	---	---	---	---	250
MIN	---	---	---	---	---	---	---	---	---	---	---	0.00

e Estimated

09382000 PARIA RIVER AT LEES FERRY, AZ

LOCATION.--Lat 36 52'20", long 111 35'38", in NW1/4NE1/4 sec. 13, T.40 N., R.7 E., Coconino County, Hydrologic Unit 14070007, on left bank 0.6 mi northwest of Lees Ferry, and 1.1 mi upstream from mouth.

DRAINAGE AREA.--1,410 mi^2.

PERIOD OF RECORD.--Oct. 1923 to current year.

REVISED RECORDS.--WSP 1925: 1958(M), drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3,123.68 ft above sea level. Prior to Oct. 5, 1925, nonrecording gage at site 2,000 ft upstream at different datum. Oct. 13,1925, to Sept. 11, 1929, nonrecording gage at present site and datum.

REMARKS.--Records fair except for estimated daily discharges, which are poor. Diversions above station for irrigation of about 3,300 acres, mostly in southern Utah.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,100 ft^3/s Oct 5, 1925, gage height, 16.3 ft, from floodmark, from rating curve extended above 2,000 ft^3/s on basis of float-area measurement of peak flow; maximum gage height, 16.65 ft Sep 9, 1980; minimum daily discharge, 1 ft^3/s in most years prior to 1931.

CORRECTION.--The maximum discharge for water year 2001 is 3,220 ft^3/s; the previous published figure was not the maximum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft^3/s and (or) maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 24	1245	1,530	8.23				

Minimum daily discharge, 1.6 ft^3/s Aug. 9.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e50	16	20	15	15	41	13	5.2	3.6	3.3	31	4.3
2	e26	17	25	14	15	39	12	5.4	3.6	3.2	24	e3.6
3	61	18	21	15	15	37	11	5.4	e3.6	3.3	e26	e3.6
4	74	21	18	17	16	35	11	6.8	e3.6	3.2	e9.6	6.5
5	36	20	18	18	16	32	12	5.6	e3.6	3.4	5.3	37
6	18	20	19	21	16	31	11	5.3	3.6	3.5	3.4	e37
7	11	20	18	19	15	e26	12	5.0	3.8	3.3	2.4	e161
8	8.4	20	17	20	15	24	11	4.6	3.8	3.2	2.1	e34
9	8.3	28	16	19	15	24	8.3	4.8	4.1	3.1	1.6	e15
10	7.5	e262	13	19	16	24	8.7	4.8	3.9	3.4	2.5	e10
11	7.2	e83	14	23	16	24	8.8	5.0	3.6	3.4	8.3	8.1
12	7.7	e16	16	21	16	24	8.2	5.8	3.7	3.2	12	6.8
13	8.2	15	16	17	19	24	8.1	5.3	3.8	3.1	7.1	6.4
14	7.8	14	16	17	52	23	7.8	5.0	3.6	3.2	5.6	4.5
15	7.6	13	16	16	46	24	7.6	5.1	3.7	3.4	4.8	5.3
16	7.0	12	17	17	40	24	7.7	6.0	3.6	3.5	e81	3.0
17	7.7	13	18	15	33	32	8.7	7.0	3.6	3.6	e38	3.1
18	7.5	13	37	15	26	32	8.4	6.6	3.5	e3.6	e20	3.6
19	6.8	12	20	14	20	22	9.5	5.6	3.7	3.5	39	5.3
20	6.7	12	16	14	17	18	11	5.5	3.5	3.6	e48	5.4
21	6.5	11	14	15	17	19	8.3	5.1	3.6	3.6	82	5.3
22	11	12	13	13	16	18	8.0	4.5	3.6	5.7	e28	5.2
23	52	12	15	13	16	16	8.7	4.5	3.6	5.2	7.9	5.3
24	34	12	17	13	15	16	13	4.2	3.3	3.3	e235	5.4
25	19	12	15	14	19	16	10	3.9	3.5	2.6	e59	5.4
26	11	11	12	e15	98	15	8.8	3.8	3.7	3.0	20	5.3
27	15	12	10	e15	91	14	7.2	3.8	3.7	2.9	11	5.4
28	34	13	9.2	16	e66	14	5.5	3.8	3.8	2.9	8.0	5.4
29	e35	14	11	16	---	13	5.2	3.8	3.6	22	15	5.3
30	21	15	11	15	---	13	5.2	3.8	3.4	e16	11	5.3
31	16	---	12	15	---	13	---	3.7	---	22	5.9	---
TOTAL	628.9	769	510.2	506	777	727	275.7	154.7	109.3	156.2	854.5	416.8
MEAN	20.3	25.6	16.5	16.3	27.8	23.5	9.19	4.99	3.64	5.04	27.6	13.9
MAX	74	262	37	23	98	41	13	7.0	4.1	22	235	161
MIN	6.5	11	9.2	13	15	13	5.2	3.7	3.3	2.6	1.6	3.0
AC-FT	1250	1530	1010	1000	1540	1440	547	307	217	310	1690	827

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	30.2	23.4	20.9	22.4	37.3	38.3	20.5	10.4	7.15	23.9	53.3	52.5
MAX	288	123	69.4	96.7	242	216	93.3	52.4	58.3	172	237	424
(WY)	1926	1958	1967	1969	1980	1979	1979	1934	1972	1936	1932	1927
MIN	5.99	10.1	8.81	8.03	14.3	8.86	4.75	2.03	1.97	2.32	4.51	4.18
(WY)	1956	1991	1931	1931	2002	1972	2002	1927	1926	1939	1976	1968

09382000 PARIA RIVER AT LEES FERRY, AZ

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1924 - 2003	
ANNUAL TOTAL	4,868.8		5,885.3			
ANNUAL MEAN	13.3		16.1		28.3	
HIGHEST ANNUAL MEAN					65.1	1980
LOWEST ANNUAL MEAN					11.1	2002
HIGHEST DAILY MEAN	342	Sep 8	262	Nov 10	6,750	Sep 13 1927
LOWEST DAILY MEAN	2.4	Aug 13	1.6	Aug 9	1.0	Jun 25 1926
ANNUAL SEVEN-DAY MINIMUM	2.5	Aug 13	3.2	Jul 8	1.0	Jul 16 1927
ANNUAL RUNOFF (AC-FT)	9,660		11,670		20,510	
10 PERCENT EXCEEDS	20		31		42	
50 PERCENT EXCEEDS	7.5		12		14	
90 PERCENT EXCEEDS	2.9		3.6		3.7	

e Estimated

09403600 KANAB CREEK NEAR KANAB, UT

LOCATION.--Lat 37°06'02", long 112°32'50", in NE¼NE¼SW¼ sec. 5, T. 43 S., R. 6 W., Kane County, Hydrologic Unit 15010003, on left bank at upstream side of bridge on U.S. Highway 89, 300 ft upstream from Tiny Canyon and 3.5 mi north of Kanab.

DRAINAGE AREA.--198 mi^2.

PERIOD OF RECORD.--July 1959 to September 1968 (peaks only). January 1979 to current year

REVISED RECORDS.--WDR UT-98-1: 1997, daily values.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 5,060 ft above NGVD of 1929, from topographic map. A crest-stage gage from July 22, 1959 to September 30, 1968 at different datum. July 6, 1979 to September 18, 1984 water-stage recorder at same site, different datum.

REMARKS.--Records poor. Several diversions above station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,030 ft^3/s, Sep 8, 1961, gage height, 8.39 ft, from rating curve extended above 31 ft^3/s on basis of slope area measurement at gage height, 7.09 ft; minimum daily discharge, 2.9 ft^3/s, Jul 27, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 22	----	*235	*9.34	No other peak greater than base discharge.			

Minimum daily discharge, 3.5 ft^3/s.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.7	6.6	6.8	7.7	12	22	8.8	7.7	7.2	3.9	5.0	e8.0
2	e7.0	6.7	7.0	7.8	11	23	8.4	7.6	7.2	4.0	7.9	e10
3	e6.5	7.0	7.1	7.7	11	28	7.1	7.8	7.2	4.0	5.5	e9.0
4	e6.5	7.4	7.0	7.5	11	30	7.6	9.0	7.2	4.1	4.4	e8.0
5	e6.3	7.6	7.1	7.7	11	28	8.4	8.0	7.3	4.1	4.5	e8.0
6	e6.0	7.9	7.4	7.5	12	27	8.0	8.3	7.4	4.2	4.4	e20
7	e6.0	8.1	7.4	7.7	14	27	8.0	8.0	7.5	4.2	4.4	e8.0
8	e5.8	7.2	6.5	8.3	14	29	8.2	8.4	7.4	4.2	4.5	e7.5
9	e5.7	7.6	5.6	8.5	14	31	7.9	7.8	7.1	4.3	4.3	e6.5
10	e5.7	9.1	5.4	8.8	14	34	8.1	7.4	6.9	4.3	4.5	e6.0
11	e5.9	8.6	5.1	8.9	14	43	8.1	7.3	6.8	4.2	4.5	e5.0
12	e5.9	8.3	4.8	8.3	16	54	8.5	7.1	6.6	4.1	4.1	e5.0
13	e6.0	8.1	4.7	8.0	18	46	8.4	6.8	6.4	4.2	4.0	e4.5
14	e6.0	7.8	4.7	8.2	14	41	8.2	6.9	6.4	4.2	4.1	e4.2
15	e5.8	7.5	4.9	8.7	12	40	8.3	7.1	6.1	4.3	4.3	e4.0
16	e6.0	7.5	5.1	8.9	10	54	7.9	6.8	5.9	4.5	5.4	3.7
17	e6.2	7.3	6.2	8.3	9.6	85	8.8	6.6	5.8	4.5	5.6	3.5
18	e5.6	6.8	6.0	9.4	9.6	55	9.1	6.6	5.7	4.5	5.3	4.2
19	e5.8	6.7	5.4	9.4	11	34	8.2	6.3	5.3	4.5	5.1	4.3
20	e5.9	6.5	e6.0	9.1	11	25	7.8	6.5	5.4	4.6	5.5	4.1
21	e6.0	6.2	7.0	9.4	11	22	8.0	6.6	5.4	4.8	5.3	3.8
22	6.2	6.2	7.3	9.8	11	20	8.2	6.7	5.2	5.0	e30	3.7
23	6.4	6.4	7.4	9.6	12	18	9.0	6.8	5.2	4.8	e10	3.7
24	6.7	6.1	7.0	10	12	17	8.2	6.9	5.0	4.8	e7.0	3.9
25	6.6	6.4	e7.2	10	16	16	8.2	7.0	5.0	5.1	e6.0	3.9
26	6.5	6.4	e7.2	11	15	14	8.1	7.0	4.8	5.7	e6.8	3.9
27	7.0	6.1	e7.4	11	17	12	8.1	7.2	4.6	5.4	e6.0	3.7
28	7.2	6.0	7.5	12	17	11	8.0	7.3	4.4	5.4	e6.0	3.7
29	7.1	6.4	7.2	12	---	9.8	7.8	7.3	4.1	8.3	e5.0	3.7
30	6.9	6.6	7.5	12	---	9.1	8.0	7.1	4.0	7.4	e7.8	3.6
31	6.9	---	7.7	13	---	9.3	---	6.9	---	5.3	e6.2	---
TOTAL	193.8	213.1	200.6	286.2	360.2	914.2	245.4	224.8	180.5	146.9	193.4	171.1
MEAN	6.25	7.10	6.47	9.23	12.9	29.5	8.18	7.25	6.02	4.74	6.24	5.70
MAX	7.2	9.1	7.7	13	18	85	9.1	9.0	7.5	8.3	30	20
MIN	5.6	6.0	4.7	7.5	9.6	9.1	7.1	6.3	4.0	3.9	4.0	3.5
AC-FT	384	423	398	568	714	1,810	487	446	358	291	384	339

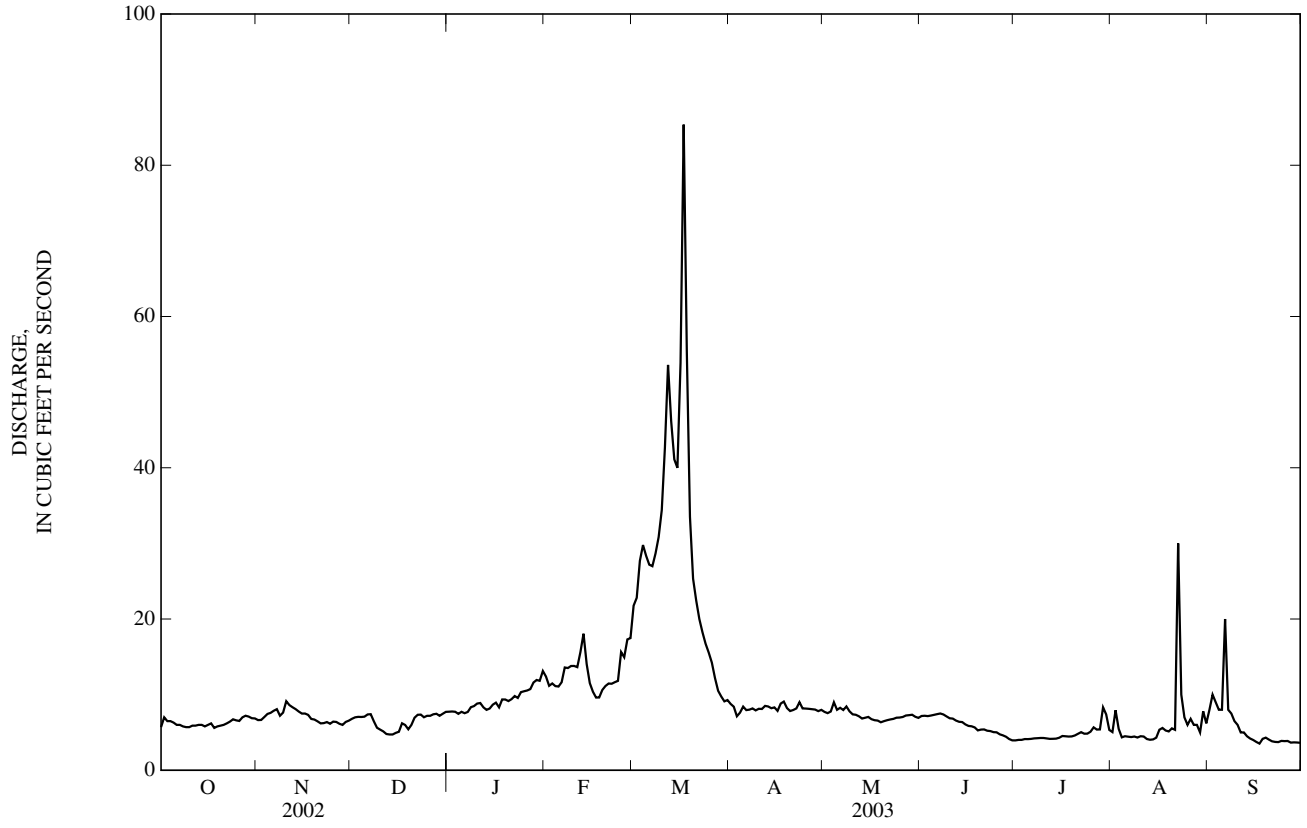
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2003, BY WATER YEAR (WY)

MEAN	10.3	9.84	10.6	12.2	15.8	24.1	21.8	9.55	6.92	7.01	8.14	9.79
MAX	25.7	15.2	21.7	27.9	45.1	72.4	132	27.6	12.1	13.8	16.5	28.1
(WY)	(1982)	(1988)	(1980)	(1997)	(1980)	(1983)	(1980)	(1980)	(1981)	(1981)	(1981)	(1998)
MIN	5.12	5.33	5.31	5.15	5.64	8.83	6.81	5.62	4.36	3.90	4.07	4.77
(WY)	(2002)	(2002)	(1990)	(2002)	(2002)	(2002)	(1990)	(2001)	(1986)	(2000)	(1995)	(2002)

09403600 KANAB CREEK NEAR KANAB, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1980 - 2003	
ANNUAL TOTAL	2,280.8		3,330.2			
ANNUAL MEAN	6.25		9.12		12.1	
HIGHEST ANNUAL MEAN					28.4	1980
LOWEST ANNUAL MEAN					5.96	2002
HIGHEST DAILY MEAN	11	Mar 17	85	Mar 17	354	Apr 6, 1980
LOWEST DAILY MEAN	3.3	Jan 23	3.5	Sep 17	2.9	Jul 27, 2000
ANNUAL SEVEN-DAY MINIMUM	3.6	Aug 11	3.8	Sep 24	3.0	Jun 13, 1986
ANNUAL RUNOFF (AC-FT)	4,520		6,610		8,800	
10 PERCENT EXCEEDS	8.4		14		18	
50 PERCENT EXCEEDS	6.0		7.1		8.8	
90 PERCENT EXCEEDS	4.2		4.3		5.2	

e Estimated



09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT

LOCATION.--Lat 37°20'22", long 112°36'13", in SE¼NE¼NW¼ sec. 14, T. 40 S., R. 7 W., Kane County, Hydrologic Unit 15010008, on right bank 50 ft downstream from Lydiás Creek, and 1.0 mi north of Glendale on U.S. Highway 89.

DRAINAGE AREA.--74.2 mi^2.

PERIOD OF RECORD.--October 1966 to current year.

GAGE.--Water-stage recorder and artificial control. Elevation of gage is 5,900 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for Dec 2-11, which are fair. A few small diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 640 ft^3/s, Jul 27, 1976, gage height, 4.14 ft, maximum gage height, 4.68 ft, Jul 10, 1999, affected by backwater, discharge unknown; minimum discharge, 2.9 ft^3/s, several days in May and Jun 1989.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 90 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 9	1800	*45	*1.53				

Minimum discharge, 3.0 ft^3/s, Jul 12, 13, 14, Aug 5, 6.

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

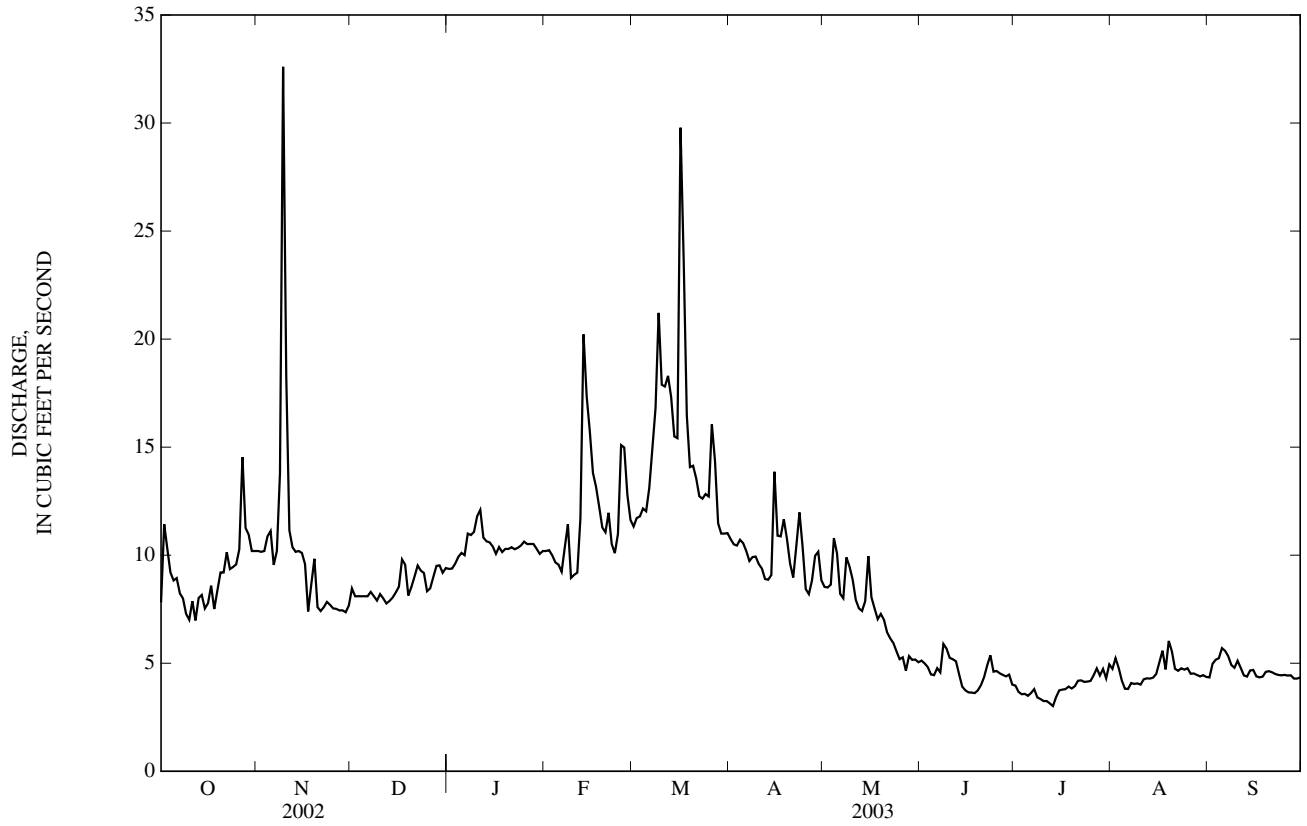
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.8	10	8.5	9.4	10	11	11	8.5	5.1	4.0	4.7	4.3
2	11	10	8.1	9.4	10	12	11	8.5	5.0	3.7	5.2	5.0
3	10	10	8.1	9.6	10	12	10	8.6	4.8	3.6	4.8	5.2
4	9.2	11	8.1	9.9	9.7	12	11	11	4.5	3.6	4.2	5.2
5	8.8	11	8.1	10	9.6	12	11	10	4.4	3.5	3.8	5.7
6	8.9	9.6	8.1	10	9.2	13	10	8.2	4.8	3.6	3.8	5.6
7	8.2	10	8.3	11	10	15	9.7	8.0	4.6	3.8	4.1	5.3
8	8.0	14	8.1	11	11	17	9.9	9.9	5.9	3.4	4.0	4.9
9	7.3	33	7.9	11	8.9	21	9.9	9.5	5.7	3.3	4.1	4.8
10	7.0	18	8.2	12	9.1	18	9.6	8.9	5.3	3.2	4.0	5.1
11	7.9	11	8.0	12	9.2	18	9.4	7.9	5.2	3.2	4.3	4.8
12	7.0	10	7.8	11	12	18	8.9	7.5	5.1	3.1	4.3	4.4
13	8.0	10	7.9	11	20	17	8.9	7.4	4.5	3.0	4.3	4.4
14	8.2	10	8.0	11	17	15	9.1	7.9	3.9	3.4	4.3	4.7
15	7.5	10	8.3	10	16	15	14	10	3.7	3.7	4.5	4.7
16	7.8	9.6	8.5	10	14	30	11	8.0	3.6	3.8	5.0	4.4
17	8.6	7.4	9.8	10	13	24	11	7.5	3.6	3.8	5.6	4.3
18	7.5	8.6	9.6	10	12	16	12	7.0	3.6	3.9	4.7	4.4
19	8.4	9.8	8.1	10	11	14	11	7.3	3.7	3.8	6.0	4.6
20	9.2	7.6	8.5	10	11	14	9.6	7.0	4.0	3.9	5.6	4.6
21	9.2	7.4	9.0	10	12	14	9.0	6.4	4.4	4.2	4.7	4.6
22	10	7.6	9.5	10	11	13	10	6.2	4.9	4.2	4.6	4.5
23	9.4	7.8	9.3	10	10	13	12	5.9	5.4	4.1	4.8	4.5
24	9.5	7.7	9.2	10	11	13	10	5.6	4.6	4.2	4.7	4.4
25	9.6	7.5	8.3	11	15	13	8.4	5.2	4.6	4.2	4.8	4.5
26	10	7.5	8.5	11	15	16	8.2	5.3	4.5	4.4	4.5	4.4
27	15	7.4	9.0	11	13	14	8.8	4.7	4.5	4.8	4.5	4.4
28	11	7.4	9.5	11	12	11	10	5.3	4.4	4.4	4.5	4.3
29	11	7.4	9.5	10	---	11	10	5.2	4.5	4.7	4.4	4.3
30	10	7.7	9.2	10	---	11	8.8	5.2	4.0	4.3	4.4	4.3
31	10	---	9.4	10	---	11	---	5.0	---	4.9	4.4	---
TOTAL	281.0	306.0	266.4	322.3	331.7	464	303.2	228.6	136.8	119.7	141.6	140.6
MEAN	9.06	10.2	8.59	10.4	11.8	15.0	10.1	7.37	4.56	3.86	4.57	4.69
MAX	15	33	9.8	12	20	30	14	11	5.9	4.9	6.0	5.7
MIN	7.0	7.4	7.8	9.4	8.9	11	8.2	4.7	3.6	3.0	3.8	4.3
AC-FT	557	607	528	639	658	920	601	453	271	237	281	279

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)

MEAN	13.3	15.0	15.7	16.2	18.6	24.0	35.1	27.7	14.2	10.7	10.5	10.6
MAX	22.5	24.6	30.2	26.2	36.4	54.3	145	131	43.6	28.3	26.6	24.7
(WY)	(1984)	(1984)	(1967)	(1980)	(1980)	(1993)	(1980)	(1980)	(1980)	(1983)	(1983)	(1980)
MIN	6.60	8.38	8.59	9.40	9.90	11.5	8.45	5.34	3.83	3.86	3.36	4.69
(WY)	(1990)	(1990)	(2003)	(1991)	(1991)	(1999)	(2002)	(2002)	(2002)	(2003)	(2002)	(2003)

09404450 EAST FORK VIRGIN RIVER NEAR GLENDALE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1967 - 2003	
ANNUAL TOTAL	3,066.4		3,041.9			
ANNUAL MEAN	8.40		8.33		17.6	
HIGHEST ANNUAL MEAN					46.2	1980
LOWEST ANNUAL MEAN					8.26	1990
HIGHEST DAILY MEAN	33	Nov 9	33	Nov 9	285	Apr 21, 1980
LOWEST DAILY MEAN	3.0	Aug 7	3.0	Jul 13	3.0	Aug 7, 2002
ANNUAL SEVEN-DAY MINIMUM	3.0	Aug 28	3.2	Jul 8	3.0	Aug 28, 2002
ANNUAL RUNOFF (AC-FT)	6,080		6,030		12,760	
10 PERCENT EXCEEDS	15		12		26	
50 PERCENT EXCEEDS	8.0		8.3		14	
90 PERCENT EXCEEDS	3.6		4.2		6.7	



09404900 EAST FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°09'51", long 112°57'28", in SE¼SW¼NW¼ sec. 2, T. 42 S., R. 10 W., Washington County, Hydrologic Unit 15010008, Zion National Park, on right bank 0.7 mi upstream from Zion National Park boundary, 1.2 mi upstream from Shunes Creek, 2.7 mi southeast of Springdale, and 3.4 mi south-southeast of Zion National Park headquarters.

DRAINAGE AREA.--343 mi^2.

PERIOD OF RECORD.-October 1991 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 3,940 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. Numerous irrigation diversions upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,100 ft^3/s, Aug 10, 1997, gage height, 11.38 ft, from floodmarks, from rating curve extended above 200 ft^3/s on basis of slope-area measurements at gage heights, 6.41 ft and 9.70 ft; minimum daily discharge, 26 ft^3/s, Sep 14, 15, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Aug 16	2105	*654	*6.92				

Minimum daily discharge, 29 ft^3/s, Oct 7.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	46	e45	42	e47	51	42	e47	e40	40	40	31
2	e34	49	e42	42	e45	52	41	e46	e40	39	46	69
3	e75	51	e40	42	e44	48	43	e52	e40	39	39	50
4	e40	53	e40	e44	e43	51	46	e58	e40	37	39	41
5	e35	53	43	e46	e42	51	47	e48	e40	36	39	31
6	e32	52	47	e44	e41	49	47	e45	e40	35	40	34
7	29	48	47	43	e39	52	e48	e48	e40	35	40	31
8	30	95	47	42	e41	54	e45	e56	40	36	40	31
9	31	105	47	41	e42	55	e45	e51	40	37	40	31
10	33	e70	e50	41	e44	57	e45	e50	40	37	40	31
11	38	e40	e51	41	e46	58	e47	e48	40	37	40	31
12	37	e40	e47	41	e180	59	e46	e52	e40	35	40	31
13	e30	e40	46	41	64	58	e47	e52	e41	33	40	31
14	e32	e40	45	41	55	55	e47	e52	41	32	40	31
15	e35	e40	44	41	49	54	e60	e50	41	31	39	31
16	e34	e39	43	41	48	96	e47	e60	41	32	59	31
17	e36	e39	46	41	49	82	e50	e70	41	33	46	31
18	e35	e39	47	42	47	60	e47	e50	41	35	35	31
19	41	e39	e42	42	49	54	e47	e47	41	38	35	32
20	44	e40	e46	42	48	52	e47	e42	41	40	33	31
21	43	e39	e44	43	49	50	e47	e45	42	40	36	32
22	43	e39	e45	e44	49	48	e47	41	42	39	32	33
23	e45	e39	e44	e45	51	47	e52	36	41	40	32	33
24	e36	e39	e43	e45	61	46	e47	36	41	50	34	33
25	e36	e39	e45	e46	75	46	e47	35	41	41	32	33
26	e40	e38	e43	e45	62	46	e48	e35	41	39	31	33
27	e40	e38	e44	e47	67	44	e48	e35	41	40	31	33
28	e43	e39	e45	e47	64	46	e47	e36	41	40	31	34
29	e45	e40	43	e46	---	46	e47	e36	41	40	31	34
30	44	e42	42	e47	---	44	e47	e37	41	40	30	35
31	44	---	42	e47	---	43	---	e38	---	39	31	---
TOTAL	1,193	1,410	1,385	1,342	1,541	1,654	1,411	1,434	1,220	1,165	1,161	1,024
MEAN	38.5	47.0	44.7	43.3	55.0	53.4	47.0	46.3	40.7	37.6	37.5	34.1
MAX	75	105	51	47	180	96	60	70	42	50	59	69
MIN	29	38	40	41	39	43	41	35	40	31	30	31
AC-FT	2,370	2,800	2,750	2,660	3,060	3,280	2,800	2,840	2,420	2,310	2,300	2,030

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	47.5	54.1	55.2	62.7	67.1	75.5	69.0	51.6	41.8	39.3	42.2	45.8
MAX	62.3	62.8	62.9	110	110	153	200	109	57.7	44.4	52.0	74.6
(WY)	(1998)	(1994)	(1997)	(1993)	(1993)	(1993)	(1993)	(1993)	(1993)	(1998)	(2001)	(1997)
MIN	38.5	47.0	44.7	43.3	53.8	45.6	36.8	35.4	34.4	31.7	36.3	29.6
(WY)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(1996)	(2002)	(2002)	(2002)

09404900 EAST FORK VIRGIN RIVER NEAR SPRINGDALE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	14,734		15,940			
ANNUAL MEAN	40.4		43.7		54.2	
HIGHEST ANNUAL MEAN					85.1	1993
LOWEST ANNUAL MEAN					41.6	2002
HIGHEST DAILY MEAN	105	Nov 9	180	Feb 12	450	Sep 11, 1998
LOWEST DAILY MEAN	26	Sep 14	29	Oct 7	26	Sep 14, 2002
ANNUAL SEVEN-DAY MINIMUM	27	Sep 12	31	Aug 26	27	Sep 12, 2002
ANNUAL RUNOFF (AC-FT)	29,220		31,620		39,290	
10 PERCENT EXCEEDS	52		52		71	
50 PERCENT EXCEEDS	37		42		49	
90 PERCENT EXCEEDS	31		33		36	

e Estimated

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UT

LOCATION.--Lat 37°12'35", long 112°58'40", in NW¼SW¼NW¼ sec. 22, T. 41 S., R. 10 W., Washington County, Hydrologic Unit 15010008, Zion National Park, on right bank 0.2 mi downstream from point of diversion of Springdale Canal, 0.5 mi downstream from Pine Creek, and 1.9 mi northeast of Springdale.

DRAINAGE AREA.--344 mi^2.

PERIOD OF RECORD.--May 1913 to June 1914, June to November 1923, April to June, August and September 1925 (fragmentary), October 1925 to current year. Published as Zion Creek near Springdale 1913-14, and as Mukuntuweap River near Springdale 1923 and 1925-32. Published as combined flow of river and Springdale canal 1932-88.

GAGE.--Water-stage recorder. Crest-stage gage since May 31, 1995. Elevation of gage is 3,970 ft above NGVD of 1929, from topographic map. May 13, 1913 to June 30, 1914, nonrecording gage at site 3.8 mi downstream at different datum. June 6, 1923 to September 1925, nonrecording gage at site 0.8 mi upstream. November 3, 1932 to December 14, 1949, nonrecording gage 50 ft downstream at datum 0.34 ft higher.

REMARKS.-- Records good except for estimated daily discharges, which are poor. Some regulation of low flows by Kolob Reservoir (20 mi upstream) and several diversions for irrigation upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,150 ft^3/s, Dec 6, 1966, gage height, 12.98 ft, from rating curve extended above 2,000 ft^3/s on basis of drift measurement at gage height, 6.7 ft, and slope-area measurement at gage height, 10.25 ft; minimum estimated, less than 5.0 ft^3/s, Apr 12, 1995, result of landslide 1.0 mi upstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Nov 9	0145	*710	*3.19				

Minimum daily discharge, 24 ft^3/s, July 12, 13, 14, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	43	49	42	49	57	68	84	50	27	48	32
2	82	43	45	42	49	60	73	82	47	27	75	54
3	88	43	44	41	43	57	59	101	45	27	46	37
4	48	43	42	44	42	62	51	89	43	26	41	35
5	45	43	43	45	48	59	56	83	42	26	38	34
6	43	43	46	46	39	55	49	80	41	27	37	38
7	41	44	45	48	38	58	50	84	41	28	42	38
8	40	134	42	48	38	60	48	90	41	26	44	34
9	38	264	39	49	38	63	48	80	41	26	43	32
10	36	84	44	53	41	64	55	73	38	25	41	32
11	35	53	43	55	47	66	65	75	38	25	39	30
12	35	49	40	49	57	67	78	79	38	24	37	31
13	35	48	43	48	125	69	89	105	37	24	38	30
14	35	47	43	47	67	72	91	102	36	e24	38	29
15	35	46	48	48	57	74	98	136	36	e24	42	29
16	35	44	46	45	52	147	71	165	36	e25	68	28
17	35	46	53	48	59	93	84	145	34	29	79	28
18	35	44	49	48	53	60	75	120	34	40	40	28
19	35	44	38	48	48	52	69	111	33	40	40	29
20	37	46	40	47	51	54	68	99	33	39	37	29
21	37	45	43	46	48	55	68	90	32	40	36	28
22	40	45	42	47	47	54	67	85	32	41	44	27
23	42	44	42	48	45	59	84	77	32	46	41	27
24	41	44	41	48	47	63	74	73	31	46	37	26
25	42	44	36	48	97	60	84	72	30	52	37	26
26	41	39	34	47	72	61	92	67	30	46	35	26
27	52	39	34	47	64	61	100	61	30	44	34	27
28	47	41	37	48	66	52	100	57	29	44	32	26
29	45	45	40	47	---	52	94	55	30	46	35	26
30	44	49	41	47	---	53	89	53	29	55	39	27
31	44	---	41	48	---	58	---	51	---	59	34	---
TOTAL	1,329	1,686	1,313	1,462	1,527	1,977	2,197	2,724	1,089	1,078	1,317	923
MEAN	42.9	56.2	42.4	47.2	54.5	63.8	73.2	87.9	36.3	34.8	42.5	30.8
MAX	88	264	53	55	125	147	100	165	50	59	79	54
MIN	35	39	34	41	38	52	48	51	29	24	32	26
AC-FT	2,640	3,340	2,600	2,900	3,030	3,920	4,360	5,400	2,160	2,140	2,610	1,830

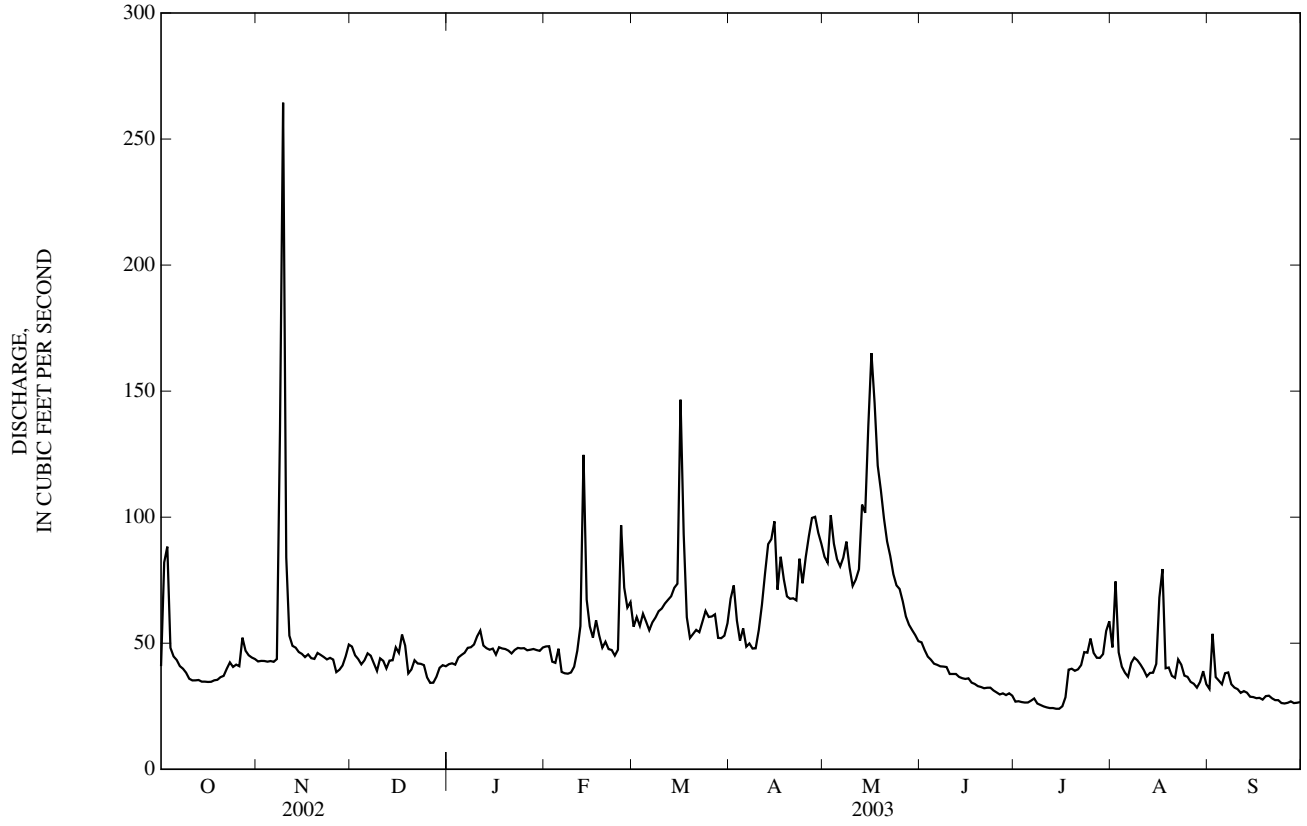
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2003, BY WATER YEAR (WY)

MEAN	49.0	53.3	51.9	59.2	68.7	110	188	239	97.9	52.4	46.5	47.9
MAX	79.8	75.5	73.5	96.3	110	271	644	813	404	113	71.1	115
(WY)	(1999)	(1999)	(1994)	(1997)	(1995)	(1995)	(1993)	(1993)	(1995)	(1995)	(1995)	(1998)
MIN	33.4	35.9	36.6	39.0	47.8	48.0	43.6	30.8	24.2	24.5	22.9	24.8
(WY)	(1992)	(1990)	(1990)	(1991)	(1990)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)	(1989)

09405500 NORTH FORK VIRGIN RIVER NEAR SPRINGDALE, UT---Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1989 - 2003	
ANNUAL TOTAL	14,619		18,622			
ANNUAL MEAN	40.1		51.0		88.7	
HIGHEST ANNUAL MEAN					207	1993
LOWEST ANNUAL MEAN					38.5	2002
HIGHEST DAILY MEAN	264	Nov 9	264	Nov 9	1,140	May 4, 1993
LOWEST DAILY MEAN	22	Jun 26	24	Jul 12	22	Aug 5, 1994
ANNUAL SEVEN-DAY MINIMUM	22	Aug 12	24	Jul 10	22	Aug 12, 2002
ANNUAL RUNOFF (AC-FT)	29,000		36,940		64,290	
10 PERCENT EXCEEDS	55		82		152	
50 PERCENT EXCEEDS	40		45		53	
90 PERCENT EXCEEDS	23		30		33	

e Estimated



09406000 VIRGIN RIVER AT VIRGIN, UT

LOCATION.--Lat 37°12'15", long 113°10'48", in SW¼NW¼SW¼ sec. 23, T. 41 S., R. 12 W., Washington County, Hydrologic Unit 15010008, on right bank 0.25 mi downstream from North Creek and 0.5 mi east of Virgin.

DRAINAGE AREA.--956 mi^2.

PERIOD OF RECORD.--April 1909 to September 1971, October 1978 to current year. Fragmentary prior to 1926, monthly discharge published in WSP 1313.

REVISED RECORDS.--WSP 1313: 1942-43(M), 1947-48(M). WSP 1633: 1921(M), 1950-51. WDR-UT-89-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since February 11, 1992. Elevation of gage is 3,500 ft above NGVD of 1929, from topographic map. October 1, 1978 to July 5, 1985, 2 mi downstream on left bank, December 19, 1949, to September 1971, across from previous site on right bank at different datum. Prior to December 19, 1949, several nonrecording gages within 3 mi of present site at various datums.

REMARKS.--Records good. Diversions for irrigation of about 2,800 acres above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft^3/s, Dec 6, 1966, gage height, 18.00 ft, site and datum then in use, from rating curve extended above 5,000 ft^3/s on basis of one slope-area measurement and one float measurement; minimum observed, 22 ft^3/s, Jul 10, 1920 and Jun 11, 1921.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 1	1700	2,150	11.90	Nov 9	0605	*2,290	*12.05

Minimum daily discharge, 42 ft^3/s, Jul 12, 15.

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

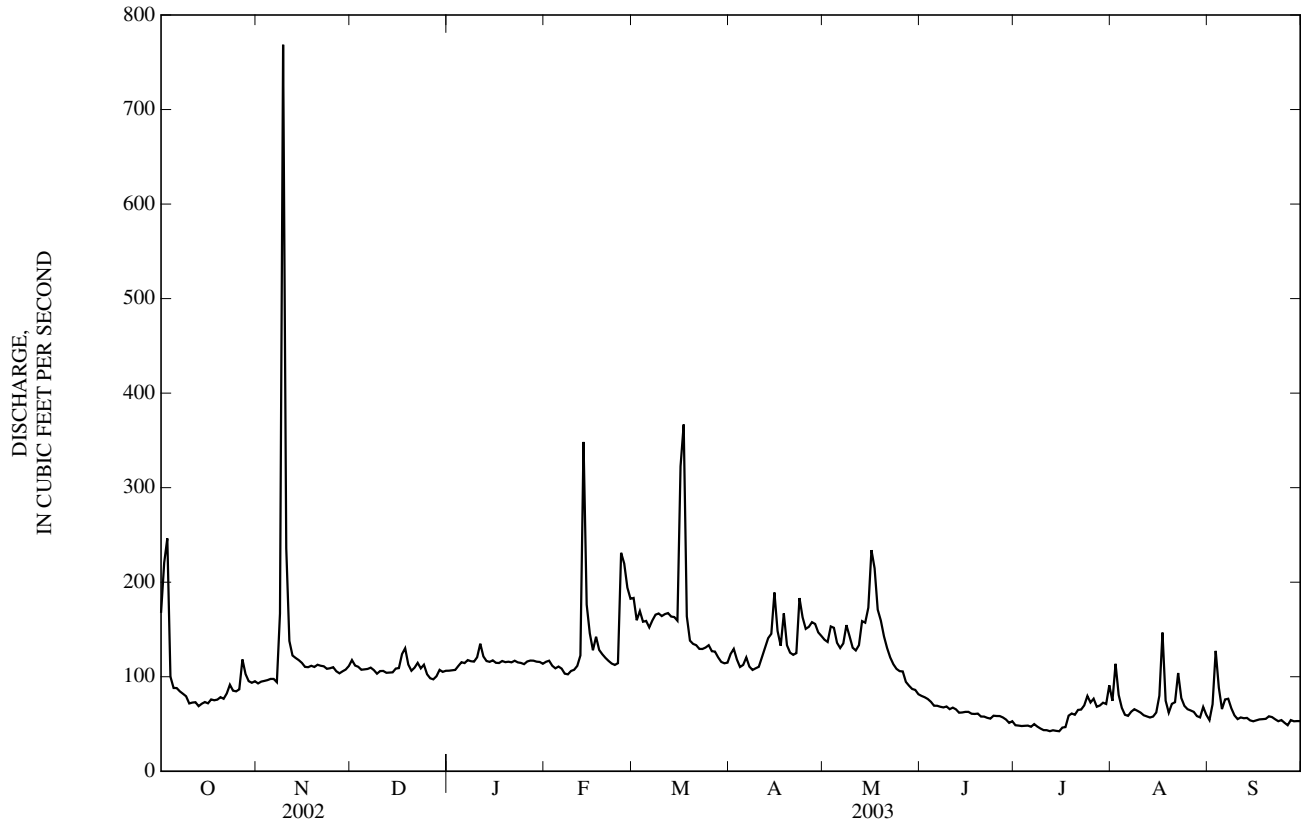
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	168	93	118	106	116	183	124	139	80	49	74	54
2	221	95	112	107	117	160	129	137	78	48	114	71
3	246	96	111	107	112	169	118	153	76	48	81	127
4	100	96	107	111	109	158	110	152	73	48	67	88
5	88	98	108	115	111	159	112	136	69	48	60	66
6	88	98	108	114	109	152	120	130	69	47	59	76
7	85	94	110	118	103	160	111	135	68	50	63	77
8	82	167	107	116	103	166	107	155	68	47	66	67
9	79	769	103	116	106	167	109	143	69	45	64	59
10	72	236	106	121	107	164	110	131	66	44	62	55
11	73	138	106	135	111	166	121	128	67	43	59	57
12	73	122	104	121	123	167	131	133	66	42	58	56
13	69	120	104	117	348	164	141	159	62	43	57	56
14	71	118	105	116	176	163	145	157	62	43	58	54
15	73	115	109	117	146	159	189	173	63	42	62	53
16	72	110	109	115	128	323	148	234	63	46	80	54
17	76	110	124	115	142	367	133	215	61	47	147	55
18	75	112	130	117	128	164	167	171	61	59	75	55
19	76	110	113	115	124	138	133	159	61	61	62	55
20	78	113	106	116	120	135	125	143	58	60	71	58
21	77	112	110	115	117	133	123	130	58	65	73	57
22	82	111	115	117	114	129	125	120	57	65	104	55
23	92	108	109	115	112	129	183	113	56	70	77	53
24	85	109	113	115	114	131	163	108	59	80	69	54
25	85	110	103	113	231	133	151	106	58	73	66	51
26	87	106	98	116	220	127	153	106	58	77	64	49
27	118	104	97	117	194	127	158	95	57	68	63	54
28	103	106	100	117	182	121	156	91	55	70	58	53
29	95	108	107	116	---	116	147	87	51	72	57	53
30	94	111	105	116	---	114	143	86	53	71	68	53
31	95	---	106	114	---	115	---	81	---	91	60	---
TOTAL	2,978	4,095	3,363	3,586	3,923	4,959	4,085	4,206	1,902	1,762	2,198	1,825
MEAN	96.1	136	108	116	140	160	136	136	63.4	56.8	70.9	60.8
MAX	246	769	130	135	348	367	189	234	80	91	147	127
MIN	69	93	97	106	103	114	107	81	51	42	57	49
AC-FT	5,910	8,120	6,670	7,110	7,780	9,840	8,100	8,340	3,770	3,490	4,360	3,620

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1910 - 2003, BY WATER YEAR (WY)

MEAN	129	145	155	161	188	248	382	422	155	119	134	136
MAX	528	606	648	791	833	822	981	1,582	762	484	441	504
(WY)	(1923)	(1923)	(1967)	(1911)	(1980)	(1910)	(1993)	(1979)	(1983)	(1911)	(1916)	(1911)
MIN	61.3	82.9	77.4	70.9	90.9	91.7	86.3	64.8	50.8	30.4	43.5	53.1
(WY)	(1929)	(1926)	(1932)	(1932)	(1926)	(1924)	(2002)	(2002)	(2002)	(1928)	(1928)	(1956)

09406000 VIRGIN RIVER AT VIRGIN, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1910 - 2003	
ANNUAL TOTAL	32,502		38,882			
ANNUAL MEAN	89.0		107		198	
HIGHEST ANNUAL MEAN					465	1922
LOWEST ANNUAL MEAN					84.6	2002
HIGHEST DAILY MEAN	769	Nov 9	769	Nov 9	10,600	Sep 30, 1911
LOWEST DAILY MEAN	42	Jul 7	42	Jul 12	22	Jul 10, 1920
ANNUAL SEVEN-DAY MINIMUM	45	Jul 5	43	Jul 9	23	Jun 8, 1921
ANNUAL RUNOFF (AC-FT)	64,470		77,120		143,200	
10 PERCENT EXCEEDS	124		159		374	
50 PERCENT EXCEEDS	88		107		128	
90 PERCENT EXCEEDS	50		55		70	



09408000 LEEDS CREEK NEAR LEEDS, UT

LOCATION.--Lat 37°16'03", long 113°22'12", in SW¼SE¼NE¼ sec. 36, T. 40 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on left bank 1,150 ft upstream from Leeds Ditch diversion, 2.1 mi north of Leeds, and 4.4 mi upstream from mouth.

DRAINAGE AREA.--15.5 mi^2.

PERIOD OF RECORD.--October 1915 to June 1920 (fragmentary) in reports of Geological Survey; October 1964 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since May 30, 1989. Elevation of gage is 4,000 ft above NGVD of 1929, from topographic map. Prior to June 1920, at various sites and datums about 600 ft downstream; October 28, 1964, to August 20, 1967, water-stage recorder at site 1,000 ft downstream at different datum.

REMARKS.--Records good except estimated daily discharges, which are poor. Diversion of spring area for domestic use about 4 mi upstream of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,420 ft^3/s, Aug 3, 1988, gage height, 9.41 ft, from rating curve extended above 33 ft^3/s on basis of slope-area measurement; minimum daily discharge, 0.79 ft^3/s, Aug 22, 23, 25, and 26, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Aug 12, 1964 reached a stage of 6.00 ft, former site and datum, discharge 2,980 ft^3/s from slope-area measurement of peak flow.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 50 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 16	2145	*20	*2.15				

Minimum daily discharge, 1.1 ft^3/s, Oct 1, 6-21.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.1	1.3	1.7	1.5	1.6	2.7	3.7	3.7	2.5	e2.3	3.1	e2.7
2	1.2	1.3	1.7	1.5	1.6	2.7	3.7	3.6	2.4	e2.3	3.2	e2.7
3	1.3	1.3	1.6	1.5	1.6	2.6	3.7	3.6	2.4	e2.3	3.1	e2.7
4	1.2	1.3	1.6	1.5	1.6	2.6	3.7	3.7	2.4	e2.3	3.0	e2.7
5	1.2	1.3	1.6	1.6	1.6	2.6	3.8	3.6	2.3	e2.3	2.9	2.8
6	1.1	1.3	1.6	1.6	e1.6	2.6	3.7	3.5	2.3	e2.3	2.9	3.2
7	1.1	1.3	1.6	1.6	e1.6	2.8	3.7	3.6	2.3	e2.3	2.8	2.8
8	1.1	1.7	1.6	1.6	e1.7	3.4	3.6	3.7	2.3	2.3	2.8	2.6
9	1.1	2.1	1.6	1.6	e1.7	3.6	3.5	3.6	2.3	2.2	2.8	2.6
10	1.1	1.9	1.6	1.6	e1.7	3.6	3.4	3.5	2.3	2.3	2.8	2.5
11	1.1	1.8	1.6	1.7	1.7	3.5	3.4	3.5	2.3	2.3	2.7	2.5
12	1.1	1.7	1.6	1.7	1.8	3.4	3.4	3.4	2.3	2.3	2.7	2.5
13	1.1	1.7	1.6	1.7	3.4	3.4	3.4	3.3	2.3	2.3	2.6	2.4
14	1.1	1.7	1.6	1.7	2.4	3.4	3.3	3.3	2.2	2.3	2.6	2.4
15	1.1	1.7	1.6	1.7	2.2	3.5	4.3	3.3	2.2	2.4	3.1	2.3
16	1.1	1.7	e1.6	1.7	2.1	7.6	3.9	3.2	2.2	2.4	3.6	2.3
17	1.1	1.6	e1.6	1.7	2.1	8.2	3.9	3.2	2.2	2.5	3.2	2.2
18	1.1	1.6	e1.6	1.6	e2.1	5.1	3.9	3.2	2.2	2.5	2.9	2.2
19	1.1	1.6	1.6	1.7	e2.0	4.3	3.8	3.1	2.2	2.6	2.8	2.2
20	1.1	1.6	1.6	1.6	e1.9	4.1	3.7	3.1	2.2	2.5	2.8	2.2
21	1.1	1.6	1.6	1.6	e1.9	4.0	3.7	3.0	2.2	2.5	2.8	2.2
22	1.2	1.6	1.6	1.6	e1.9	4.0	3.7	2.9	2.2	2.7	3.0	2.1
23	1.2	1.6	1.6	1.6	e1.9	3.9	4.0	2.8	2.3	2.6	3.0	2.1
24	1.2	1.6	1.6	1.6	e1.9	3.9	3.8	2.8	2.4	2.8	2.8	2.0
25	1.2	1.6	e1.6	1.6	e2.3	3.9	3.7	2.7	2.4	2.9	2.7	2.0
26	1.2	1.6	e1.6	1.6	2.7	3.9	3.7	2.7	2.3	2.9	2.7	2.0
27	1.6	1.6	e1.6	1.6	2.7	3.9	3.6	2.7	2.3	2.9	2.8	1.9
28	1.3	1.6	1.6	1.6	2.6	3.9	3.6	2.6	2.3	2.9	2.8	1.9
29	1.3	1.6	1.6	1.6	---	3.9	3.6	2.5	2.2	3.3	2.9	1.9
30	1.3	1.6	1.5	1.6	---	3.9	3.6	2.5	2.2	3.4	2.7	1.9
31	1.3	---	1.5	1.6	---	3.8	---	2.5	---	3.2	2.7	---
TOTAL	36.4	47.5	49.6	50.0	55.9	118.7	110.5	98.4	68.6	79.1	89.3	70.5
MEAN	1.17	1.58	1.60	1.61	2.00	3.83	3.68	3.17	2.29	2.55	2.88	2.35
MAX	1.6	2.1	1.7	1.7	3.4	8.2	4.3	3.7	2.5	3.4	3.6	3.2
MIN	1.1	1.3	1.5	1.5	1.6	2.6	3.3	2.5	2.2	2.2	2.6	1.9
AC-FT	72	94	98	99	111	235	219	195	136	157	177	140

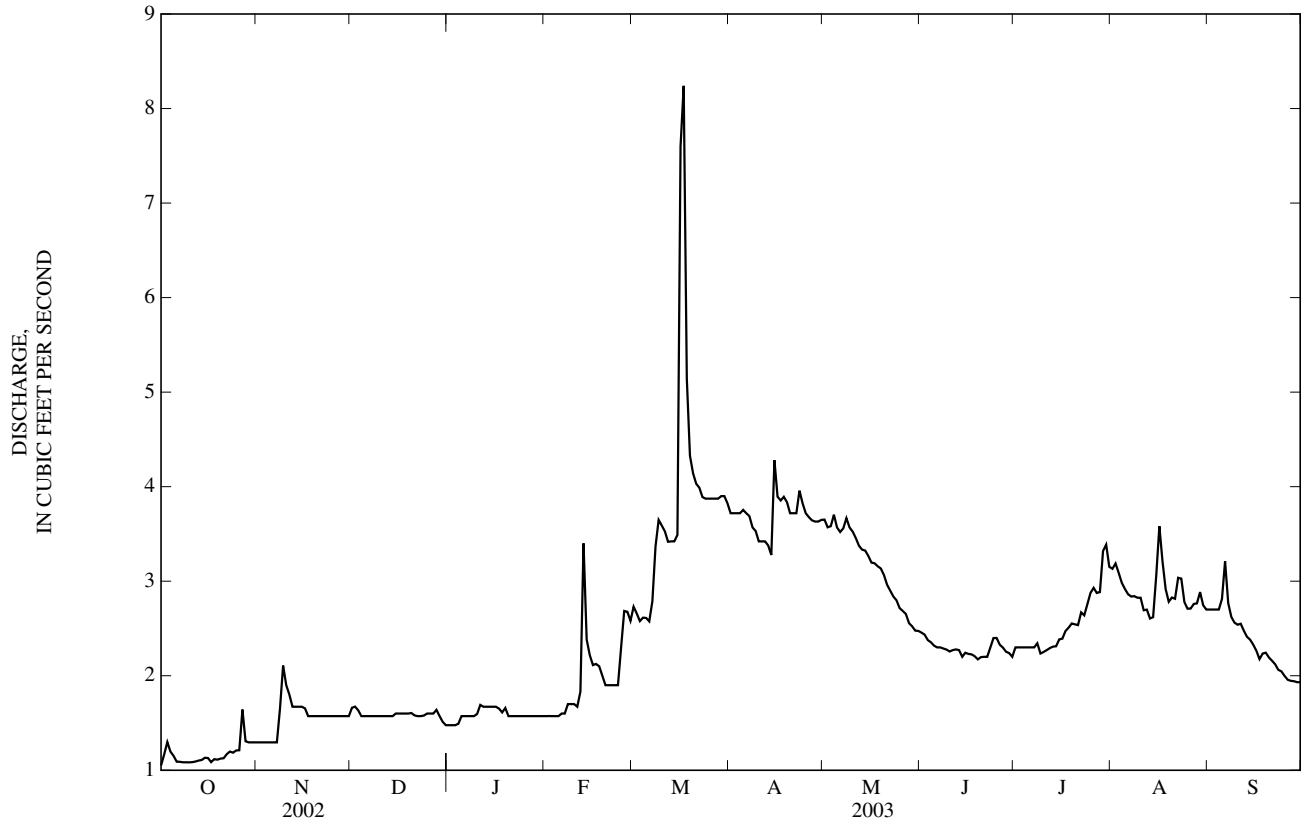
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2003, BY WATER YEAR (WY)

MEAN	3.93	4.05	4.51	4.49	6.32	9.02	9.43	10.4	12.7	10.4	6.85	4.55
MAX	9.16	10.8	26.6	12.2	52.0	36.3	33.1	28.7	38.1	34.3	21.6	12.5
(WY)	(1984)	(1988)	(1967)	(1993)	(1980)	(1983)	(1969)	(1969)	(1973)	(1983)	(1988)	(1983)
MIN	1.17	1.58	1.60	1.61	2.00	2.37	2.00	1.95	1.37	0.98	0.84	0.99
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(1977)	(2002)	(2002)	(2002)	(2002)	(2002)

09408000 LEEDS CREEK NEAR LEEDS, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1965 - 2003	
ANNUAL TOTAL	621.29		874.5			
ANNUAL MEAN	1.70		2.40		7.23	
HIGHEST ANNUAL MEAN					18.1	1980
LOWEST ANNUAL MEAN					2.07	2002
HIGHEST DAILY MEAN	2.9	Jan 1	8.2	Mar 17	412	Dec 6, 1966
LOWEST DAILY MEAN	0.79	Aug 22	1.1	Oct 1	0.79	Aug 22, 2002
ANNUAL SEVEN-DAY MINIMUM	0.79	Aug 22	1.1	Oct 6	0.79	Aug 22, 2002
ANNUAL RUNOFF (AC-FT)	1,230		1,730		5,240	
10 PERCENT EXCEEDS	2.6		3.7		16	
50 PERCENT EXCEEDS	1.6		2.3		4.5	
90 PERCENT EXCEEDS	0.89		1.3		2.3	

e Estimated



09408150 VIRGIN RIVER NEAR HURRICANE, UT

LOCATION.--Lat 37°10'20", long 113°23'07", in NE¼SE¼SE¼ sec. 35, T. 41 S., R. 14 W., Washington County, Hydrologic Unit 15010008, Bureau of Land Management, on right bank 0.6 mi downstream from Quail Creek Reservoir Dam, 1.2 mi upstream from State Highway 9, and 5.2 mi west of Hurricane.

DRAINAGE AREA.--1,493 mi^2.

PERIOD OF RECORD.--March 1967 to February 1989, October 1990 to current year.

REVISED RECORDS.--WDR UT-78-1 and WDR UT-94-1: Drainage area.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,800 ft above NGVD of 1929, from topographic map. March 20, 1967 to February 14, 1989 at site 1.2 mi downstream at different datum and October 1, 1990 to March 30, 1993 at site 1.3 mi downstream at different datum.

REMARKS.--Records good except for April 17 to May 15 and estimated daily discharges, which are poor. Since 1985, flow diverted about 14 mi upstream into a pipeline that feeds Quail Creek Reservoir, an offstream site 0.6 mi upstream of gage. Flow subject to releases from Quail Creek Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, about 66,000 ft^3/s, Jan 1, 1989, from slope-area measurement of Quail Creek Reservoir dike failure; minimum daily discharge, 22 ft^3/s, Aug 29, 2002.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1909, 17.34 ft, Dec 6, 1966, from floodmarks; discharge, 20,100 ft^3/s, site and datum established in Mar 1967, from slope-area measurement.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct 1	2130	2,150	9.20	Nov 9	0435	*4,230	*11.38

Minimum daily discharge, 26 ft^3/s, Jun 22.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	50	e76	83	79	122	48	69	e53	40	60	48
2	297	52	e68	78	83	88	55	66	e48	40	81	41
3	303	48	66	81	81	107	47	69	e51	40	76	188
4	129	53	76	82	74	85	43	75	e47	42	57	91
5	90	53	75	82	83	87	42	69	e48	42	45	85
6	87	52	79	87	87	85	51	63	e48	44	41	89
7	79	52	82	86	71	83	43	62	49	45	43	82
8	63	54	e85	84	77	86	48	67	46	44	45	64
9	57	993	e80	83	84	84	53	64	48	43	51	51
10	42	316	e82	86	90	77	64	64	35	41	48	40
11	41	98	e88	105	85	74	75	62	38	37	41	42
12	42	77	e80	86	86	76	78	60	41	35	38	45
13	44	82	78	86	273	73	81	60	34	36	35	35
14	35	81	81	80	159	71	79	57	37	36	35	35
15	38	74	81	79	92	64	99	51	40	36	40	41
16	38	66	81	77	85	163	120	103	40	36	87	42
17	41	63	92	73	86	409	71	91	42	40	132	41
18	42	71	110	84	81	105	85	65	29	40	94	40
19	45	62	87	81	85	79	69	56	34	46	76	41
20	35	62	86	78	70	73	62	e50	34	44	62	40
21	46	61	89	77	60	65	61	e53	30	40	49	42
22	43	61	90	79	54	66	68	e53	26	38	97	46
23	52	60	89	81	54	63	89	e58	29	41	122	40
24	47	58	83	78	55	63	115	e57	40	55	68	38
25	46	63	81	75	175	69	85	e57	47	55	69	44
26	49	63	81	77	216	58	76	e58	52	68	54	41
27	74	59	82	79	119	59	75	e55	55	50	57	33
28	67	63	82	77	111	62	71	e56	46	52	53	35
29	50	64	83	77	---	57	73	e59	36	50	105	39
30	48	64	82	79	---	50	70	e59	36	50	69	32
31	51	---	84	78	---	45	---	e56	---	66	55	---
TOTAL	2,331	3,075	2,559	2,518	2,755	2,748	2,096	1,944	1,239	1,372	1,985	1,571
MEAN	75.2	102	82.5	81.2	98.4	88.6	69.9	62.7	41.3	44.3	64.0	52.4
MAX	303	993	110	105	273	409	120	103	55	68	132	188
MIN	35	48	66	73	54	45	42	50	26	35	35	32
AC-FT	4,620	6,100	5,080	4,990	5,460	5,450	4,160	3,860	2,460	2,720	3,940	3,120

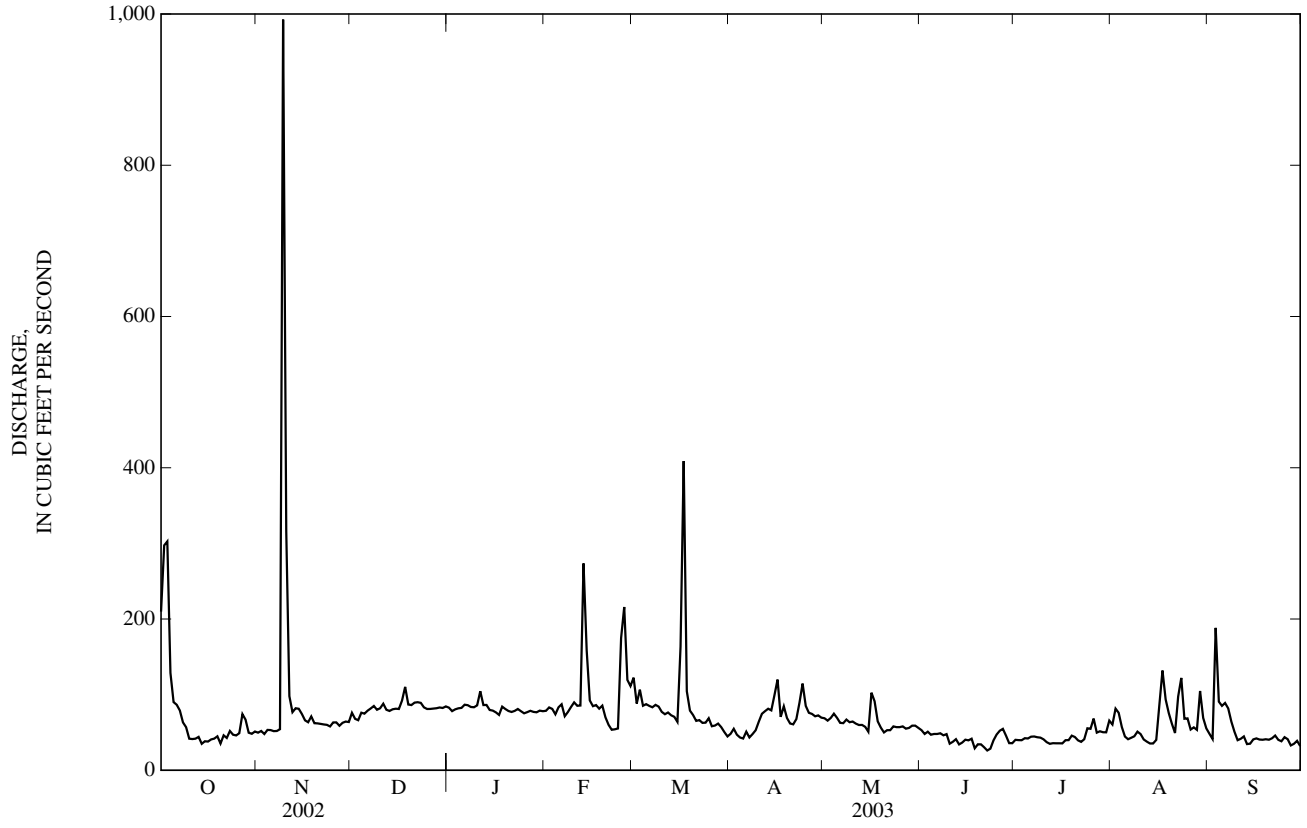
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2003, BY WATER YEAR (WY)

MEAN	121	141	161	196	236	315	388	461	184	111	120	128
MAX	304	280	440	662	1,200	1,178	1,230	1,657	869	248	316	330
(WY)	(1987)	(1988)	(1972)	(1989)	(1980)	(1978)	(1993)	(1983)	(1983)	(1983)	(1983)	(1998)
MIN	54.2	56.4	51.4	58.9	59.8	64.0	62.5	56.5	41.3	44.3	41.0	52.4
(WY)	(1991)	(1991)	(1987)	(1991)	(1991)	(2002)	(1977)	(2002)	(2003)	(2003)	(2002)	(2003)

09408150 VIRGIN RIVER NEAR HURRICANE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1967 - 2003	
ANNUAL TOTAL	25,481		26,193			
ANNUAL MEAN	69.8		71.8		213	
HIGHEST ANNUAL MEAN					515	1980
LOWEST ANNUAL MEAN					71.7	2002
HIGHEST DAILY MEAN	993	Nov 9	993	Nov 9	13,200	Jan 1, 1989
LOWEST DAILY MEAN	22	Aug 29	26	Jun 22	22	Aug 29, 2002
ANNUAL SEVEN-DAY MINIMUM	26	Aug 23	32	Jun 18	26	Aug 23, 2002
ANNUAL RUNOFF (AC-FT)	50,540		51,950		154,200	
10 PERCENT EXCEEDS	85		90		396	
50 PERCENT EXCEEDS	61		63		128	
90 PERCENT EXCEEDS	42		40		62	

e Estimated



09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT

LOCATION.--Lat 37°06'54", long 113°26'24", in NE¼SE¼SE¼ sec. 20, T. 42 S., R. 14 W., Washington County, Hydrologic Unit 15010008, on right bank immediately upstream from concrete flume, 0.2 mi downstream from diversion, 2.2 mi southeast of Washington.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1987 to current year.

GAGE.--Water-stage recorder. Parshall flume since November 8, 1991. Elevation of gage is 2,680 ft above NGVD of 1929, from topographic map. Prior to November 8, 1991 at site 150 ft downstream at same datum. Water-quality monitoring equipment located 5 ft downstream.

REMARKS.-- Records good except for estimated daily discharges, which are fair. Completely regulated canal.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 116 ft^3/s, Oct 22, 1989; no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 112 ft^3/s, Nov 14, gage height, 8.52 ft; no flow on days in Nov, Feb, and Mar.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e60	57	45	36	69	0.00	53	63	5.8	41	54	48
2	e10	57	42	36	71	0.00	55	63	25	41	57	42
3	e40	51	41	36	70	0.00	53	63	54	41	62	49
4	e70	48	50	45	69	0.00	50	63	53	43	58	41
5	e67	48	53	65	70	13	48	60	49	42	49	62
6	e63	47	55	61	71	34	53	63	50	44	41	64
7	e60	46	59	61	64	34	51	62	52	44	43	68
8	e58	46	59	61	58	35	52	64	49	43	43	65
9	e55	29	56	61	58	34	56	64	50	43	48	58
10	e53	23	43	61	33	34	65	64	41	42	49	46
11	53	9.0	49	53	0.00	34	73	63	38	39	43	43
12	49	0.00	51	38	0.00	34	75	60	42	36	40	47
13	55	16	50	42	0.00	34	75	59	39	36	37	42
14	48	66	50	41	0.00	34	75	59	39	35	37	39
15	46	63	50	38	0.00	50	75	56	43	35	40	43
16	49	59	50	39	0.00	64	79	62	45	35	55	46
17	47	54	50	52	0.00	22	71	63	44	35	60	42
18	50	58	43	78	0.00	0.00	71	62	35	41	40	44
19	57	56	26	76	0.00	29	70	60	37	40	38	43
20	49	56	30	73	0.00	52	66	58	37	43	58	44
21	50	57	36	65	0.00	52	62	57	37	38	47	45
22	52	56	36	51	0.00	58	63	57	31	38	68	47
23	54	56	36	51	0.00	58	63	61	31	40	67	44
24	54	53	36	51	e13	57	63	64	40	46	57	41
25	54	41	35	51	e38	56	63	64	43	50	60	44
26	53	33	35	51	e38	56	63	64	50	56	52	45
27	52	56	35	51	16	56	63	64	52	51	53	39
28	49	54	35	58	0.00	56	63	62	48	49	54	34
29	47	41	36	69	---	54	63	63	40	50	51	40
30	52	39	36	69	---	57	63	63	38	50	60	37
31	57	---	36	69	---	43	---	60	---	50	55	---
TOTAL	1,613	1,375.00	1,344	1,689	738.00	1,140.00	1,895	1,910	1,237.8	1,317	1,576	1,392
MEAN	52.0	45.8	43.4	54.5	26.4	36.8	63.2	61.6	41.3	42.5	50.8	46.4
MAX	70	66	59	78	71	64	79	64	54	56	68	68
MIN	10	0.00	26	36	0.00	0.00	48	56	5.8	35	37	34
AC-FT	3,200	2,730	2,670	3,350	1,460	2,260	3,760	3,790	2,460	2,610	3,130	2,760

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1988 - 2003, BY WATER YEAR (WY)

MEAN	63.1	46.0	42.3	29.4	29.1	48.0	77.2	78.2	74.6	74.4	73.0	72.7
MAX	76.6	66.0	62.4	54.8	48.2	79.6	94.9	93.8	97.0	99.5	95.0	93.4
(WY)	(1996)	(2000)	(2002)	(1999)	(1994)	(1997)	(1989)	(1997)	(1993)	(1995)	(1993)	(1988)
MIN	47.7	27.3	30.8	1.74	0.000	0.000	58.9	61.6	41.3	42.5	50.8	46.4
(WY)	(1988)	(1999)	(1996)	(1989)	(1989)	(1989)	(1988)	(2003)	(2003)	(2003)	(2003)	(2003)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1988 - 2003	
ANNUAL TOTAL	19,822.12		17,226.80			
ANNUAL MEAN	54.3		47.2		59.1	
HIGHEST ANNUAL MEAN					70.2	1994
LOWEST ANNUAL MEAN					47.2	2003
HIGHEST DAILY MEAN	89	Apr 16	79	Apr 16	116	Oct 22, 1989
LOWEST DAILY MEAN	0.00	Jan 14	0.00	Nov 12	0.00	Feb 9, 1988
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 14	0.00	Feb 11	0.00	Jan 2, 1989
ANNUAL RUNOFF (AC-FT)	39,320		34,170		42,830	
10 PERCENT EXCEEDS	71		64		92	
50 PERCENT EXCEEDS	60		50		64	
90 PERCENT EXCEEDS	32		32		17	

e Estimated

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1987 to September 2003 (discontinued).
SPECIFIC CONDUCTANCE: December 1987 to September 2003 (discontinued).
WATER TEMPERATURE: December 1987 to September 2003 (discontinued).

REMARKS.--Records for specific conductance are good except for July 29, August 1, and August 21-25, which are fair, and August 2-13 and August 26-September 6, which are poor. Records for temperature are excellent.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 7,730 microsiemens, Jul 18, 1990; minimum recorded, 450 microsiemens, May 21, 1998.
WATER TEMPERATURE: Maximum, 34.9°C, Jul 3, 2001; minimum, 0.0°C, Dec 21, 1990.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum, 7,730 microsiemens/cm, Jul 18; minimum, 0 microsiemens/cm, Oct 1, 2, 3.
WATER TEMPERATURE: Maximum, 34.7°C, Jul 23; minimum, 0.0°C, Oct 1.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	3,160	2,970	3,050	3,110	2,550	2,820	2,830	2,500	2,590
2	---	---	---	3,190	3,020	3,150	2,900	2,540	2,780	2,780	2,520	2,630
3	---	---	---	3,390	2,970	3,130	3,000	2,870	2,960	2,680	2,530	2,640
4	---	---	---	3,610	3,000	3,320	2,870	2,610	2,690	3,250	2,480	2,640
5	---	---	---	3,210	2,810	3,070	2,710	2,630	2,670	2,640	2,430	2,600
6	---	---	---	3,320	3,140	3,190	2,880	2,570	2,880	3,130	2,380	2,550
7	---	---	---	3,350	3,170	3,270	2,860	2,580	2,640	2,600	2,480	2,570
8	---	---	---	3,460	3,200	3,320	2,720	2,540	2,590	2,590	2,320	2,520
9	---	---	---	3,210	1,200	1,920	2,690	2,570	2,630	2,600	2,500	2,560
10	---	---	---	1,700	1,410	1,510	---	2,680	---	2,570	2,470	2,530
11	---	---	---	---	---	---	2,780	2,600	2,670	2,610	2,100	2,410
12	---	---	---	---	---	---	2,720	2,520	2,580	2,420	2,090	2,310
13	---	---	---	---	---	---	2,650	2,610	2,630	3,060	2,250	2,520
14	---	---	---	2,870	2,800	2,840	2,670	2,580	2,610	2,560	2,430	2,520
15	---	---	---	2,900	2,800	2,840	2,740	2,580	2,630	2,780	2,560	2,700
16	---	---	---	3,010	2,840	2,910	2,730	2,540	2,600	2,660	2,420	2,530
17	---	---	---	3,260	2,980	3,100	2,770	2,320	2,640	2,760	2,610	2,690
18	3,660	2,890	3,290	3,100	2,770	2,870	2,320	2,140	2,240	2,850	2,390	2,550
19	3,320	3,120	3,180	3,010	2,730	2,910	2,550	2,240	2,380	2,630	2,360	2,500
20	3,670	3,130	3,400	3,140	3,000	3,070	2,670	2,550	2,590	2,640	2,520	2,570
21	3,840	3,070	3,500	3,090	2,680	2,950	2,740	2,560	2,620	2,680	2,460	2,580
22	3,690	2,790	3,240	3,010	2,960	2,990	2,860	2,290	2,530	2,790	2,480	2,630
23	3,270	2,860	3,090	3,100	2,910	3,040	3,060	2,290	2,520	2,680	2,400	2,510
24	3,240	2,720	3,040	3,360	2,930	3,090	2,710	2,100	2,460	2,870	2,520	2,720
25	3,170	3,070	3,120	---	---	---	2,690	2,520	2,620	2,700	2,410	2,580
26	3,620	3,070	3,230	---	---	---	2,720	2,530	2,640	2,740	2,600	2,710
27	3,080	2,490	3,000	3,240	2,460	2,940	2,760	2,510	2,640	2,660	2,530	2,610
28	2,720	2,320	2,480	3,220	2,720	2,950	2,810	2,540	2,640	2,750	2,640	2,700
29	3,350	2,720	3,070	3,170	2,840	2,940	2,820	2,620	2,720	2,810	2,520	2,670
30	3,270	3,040	3,130	3,140	2,820	2,950	2,840	2,410	2,560	2,700	2,570	2,650
31	3,200	3,050	3,130	---	---	---	2,830	2,590	2,640	2,740	2,570	2,640
MONTH	3,840	2,320	3,140	3,610	1,200	2,930	3,110	2,100	2,630	3,250	2,090	2,580

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	3,040	2,550	2,770	---	---	---	3,440	3,270	3,380	2,820	2,710	2,760
2	2,670	2,430	2,550	---	---	---	4,060	2,450	3,140	3,020	2,720	2,800
3	2,790	2,440	2,550	---	---	---	3,440	3,260	3,360	2,850	2,620	2,750
4	2,760	2,560	2,650	---	---	---	3,640	3,360	3,480	3,140	2,510	2,700
5	3,020	2,360	2,630	---	---	---	3,800	3,520	3,630	2,830	2,540	2,650
6	3,030	2,400	2,620	2,810	2,340	2,690	3,790	3,120	3,420	3,010	2,830	2,910
7	3,870	2,380	2,650	2,770	2,470	2,620	3,550	3,160	3,350	3,160	2,870	3,020
8	4,010	2,540	2,740	2,820	2,240	2,620	3,560	3,290	3,450	3,110	2,720	2,900
9	2,890	2,520	2,660	2,720	2,250	2,560	3,840	3,050	3,360	3,380	2,580	2,890
10	---	---	---	2,740	2,540	2,620	3,500	2,800	2,940	2,960	2,860	2,910
11	---	---	---	2,820	2,680	2,740	2,810	2,560	2,670	3,140	2,860	2,960
12	---	---	---	2,820	2,680	2,740	2,720	2,510	2,620	3,230	3,000	3,110
13	---	---	---	2,810	2,640	2,710	2,740	2,510	2,580	3,500	3,010	3,150
14	---	---	---	3,040	2,660	2,800	2,920	2,330	2,570	3,610	2,780	3,090
15	---	---	---	3,030	2,780	2,940	2,950	2,360	2,600	3,340	3,160	3,260
16	---	---	---	3,040	1,360	2,400	2,700	1,550	1,890	3,680	1,560	2,590
17	---	---	---	---	---	---	3,050	2,280	2,730	3,100	1,610	2,020
18	---	---	---	---	---	---	3,300	2,030	2,660	2,960	1,770	2,340
19	---	---	---	---	---	---	2,870	2,280	2,680	3,160	2,440	2,800
20	---	---	---	2,950	2,840	2,900	3,100	2,740	2,940	3,330	2,560	2,920
21	---	---	---	2,970	2,810	2,930	3,260	3,010	3,110	3,330	3,080	3,210
22	---	---	---	3,180	2,800	3,070	3,140	2,850	2,980	3,510	2,850	3,120
23	---	---	---	3,370	3,030	3,170	2,880	2,120	2,620	3,090	2,750	2,890
24	---	---	---	3,270	2,900	3,090	2,880	1,660	2,000	2,840	2,740	2,800
25	3,480	1,130	2,920	3,290	2,740	2,970	2,660	2,120	2,500	2,840	2,730	2,800
26	2,090	1,090	1,230	3,200	2,760	3,040	3,100	2,120	2,550	2,840	2,720	2,780
27	---	---	---	3,400	3,180	3,290	2,770	2,580	2,640	2,900	2,740	2,780
28	---	---	---	3,340	3,030	3,160	2,760	2,630	2,680	3,560	2,550	2,930
29	---	---	---	3,490	3,010	3,180	3,060	2,670	2,740	3,070	2,590	2,730
30	---	---	---	3,210	2,900	3,060	2,790	2,610	2,700	3,090	2,680	2,820
31	---	---	---	3,550	3,050	3,450	---	---	---	3,150	2,800	2,950
MONTH	4,010	1,090	2,540	3,550	1,360	2,900	4,060	1,550	2,870	3,680	1,560	2,850
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	4,040	3,660	3,830	3,300	2,700	3,080	3,520	3,270	3,440
2	---	---	---	3,910	3,530	3,760	3,400	3,230	3,340	3,650	3,380	3,550
3	3,380	3,160	3,270	3,910	3,650	3,800	3,230	2,530	2,710	3,720	2,360	3,060
4	3,380	3,190	3,280	4,090	3,470	3,790	3,320	2,910	3,110	2,880	2,340	2,630
5	3,650	3,330	3,520	3,850	3,470	3,700	3,500	3,320	3,400	3,490	2,730	3,180
6	3,650	3,380	3,500	4,080	3,540	3,740	4,000	3,480	3,760	3,470	2,980	3,250
7	3,670	3,290	3,420	4,020	3,260	3,550	3,920	3,740	3,840	---	---	---
8	3,560	3,360	3,510	4,000	3,430	3,640	4,020	3,750	3,900	---	---	---
9	3,630	3,400	3,500	3,920	3,430	3,650	3,880	3,590	3,750	---	---	---
10	4,190	3,410	3,610	3,780	3,450	3,630	3,800	3,610	3,680	---	---	---
11	5,350	3,630	4,140	4,010	3,350	3,720	3,990	3,660	3,880	---	---	---
12	5,140	3,510	3,860	4,270	3,520	3,900	4,170	3,990	4,100	---	---	---
13	4,200	3,500	3,920	4,280	3,920	4,110	4,250	3,910	4,140	---	---	---
14	5,240	3,650	4,170	4,260	3,830	4,030	4,400	3,940	4,220	---	---	---
15	4,360	3,720	4,020	4,280	3,820	4,060	4,370	3,660	4,040	---	---	---
16	4,020	3,540	3,700	4,320	3,950	4,140	4,320	2,180	2,890	4,030	3,570	3,750
17	4,550	3,480	3,910	6,170	3,980	4,260	2,820	1,720	2,320	4,060	3,660	3,890
18	4,870	3,420	4,110	7,730	3,460	4,340	---	---	---	4,130	3,680	3,900
19	4,840	3,970	4,380	4,630	3,640	4,200	---	---	---	4,060	3,690	3,890
20	4,360	3,950	4,150	3,680	3,620	3,650	3,030	2,490	2,780	4,170	3,780	3,990
21	4,490	3,920	4,220	4,250	3,580	4,000	3,290	2,540	2,910	4,330	3,800	4,010
22	5,220	4,040	4,680	4,190	3,960	4,090	3,400	2,650	3,050	3,980	3,590	3,790
23	6,090	4,430	4,910	4,270	3,780	4,020	3,400	2,600	2,810	4,040	3,610	3,920
24	6,160	3,800	4,140	4,500	3,490	3,910	3,120	2,820	2,960	4,420	3,900	4,210
25	4,400	3,500	3,970	4,280	2,860	3,260	3,250	2,920	3,070	4,420	3,560	4,160
26	3,650	3,130	3,410	4,000	2,620	3,310	3,420	2,890	3,140	4,020	3,620	3,900
27	3,400	3,050	3,240	3,870	2,870	3,460	3,540	3,110	3,250	4,440	3,890	4,250
28	3,610	3,050	3,340	3,960	3,490	3,760	3,300	3,110	3,190	5,600	4,120	4,980
29	4,660	3,170	3,740	4,600	3,480	3,770	3,480	2,750	3,320	5,080	3,590	4,060
30	4,300	3,540	3,920	4,290	3,330	3,640	3,360	2,100	2,640	4,660	4,050	4,520
31	---	---	---	4,020	2,750	3,610	3,400	3,040	3,170	---	---	---
MONTH	6,160	3,050	3,840	7,730	2,620	3,820	4,400	1,720	3,330	5,600	2,340	3,830

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	14.0	8.8	11.5	14.2	9.9	11.5	8.9	4.3	6.5
2	---	---	---	13.1	6.3	9.7	12.7	7.9	10.1	9.3	4.2	6.6
3	---	---	---	12.9	6.8	9.6	12.3	7.2	9.5	10.2	5.3	7.3
4	---	---	---	12.8	6.1	9.3	11.7	6.5	8.8	9.8	5.2	7.4
5	---	---	---	13.0	6.1	9.4	11.3	6.0	8.4	10.5	5.7	7.5
6	---	---	---	13.7	6.8	10.1	11.6	7.0	8.8	10.3	5.1	7.2
7	---	---	---	11.4	8.2	10.0	11.0	7.7	9.0	11.1	5.7	8.2
8	---	---	---	12.6	10.5	11.3	11.2	6.1	8.3	10.3	6.2	8.5
9	---	---	---	12.9	10.5	11.9	10.1	5.5	7.8	12.2	8.7	10.3
10	---	---	---	12.8	10.1	11.4	10.4	5.8	7.8	12.7	9.7	11.1
11	---	---	---	---	9.4	---	10.7	6.0	8.1	13.8	10.3	11.6
12	---	---	---	---	---	---	10.4	5.3	7.6	12.4	7.9	9.9
13	---	---	---	14.2	---	---	10.2	5.7	7.7	12.1	7.2	9.5
14	---	---	---	14.2	8.5	11.2	10.3	5.7	8.1	11.2	7.2	9.2
15	---	---	---	13.7	8.0	10.6	11.0	8.0	9.3	11.8	6.6	9.0
16	---	---	---	13.4	7.1	10	10.2	8.2	9.1	11.1	5.7	8.3
17	17.8	---	---	12.0	7.7	9.7	11.5	8.3	9.4	11.0	5.9	8.3
18	20.0	12.2	15.8	13.0	6.9	9.6	11.5	7.8	9.2	11.1	5.8	8.3
19	19.4	11.6	15.4	12.3	6.6	9.4	9.2	4.9	7.0	11.5	5.9	8.4
20	19.1	12.1	15.4	13.3	7.6	10.3	6.9	5.8	6.3	11.5	5.9	8.5
21	19.1	11.6	15.2	14.3	8.2	11.0	8.1	6.5	7.2	10.4	5.9	8.2
22	17.2	13.2	15.2	14.2	8.4	11.2	9.4	5.9	7.4	11.8	5.9	8.6
23	19.0	12.2	15.3	14.0	8.7	11.2	7.9	5.2	6.4	11.2	7.0	9.1
24	18.5	11.6	15.0	13.0	7.7	10.3	8.2	3.9	5.8	12.5	6.7	9.4
25	17.4	11.8	14.8	10.4	6.6	8.2	7.9	3.5	5.5	12.9	7.4	10.0
26	16.0	13.7	14.9	9.4	---	---	8.1	3.4	5.4	13.1	7.0	9.9
27	17.5	13.6	15.3	10.1	4.2	7.0	8.3	3.4	5.7	12.8	7.3	9.9
28	17.0	11.6	14.2	10.7	4.8	7.6	8.8	3.9	6.3	13.2	7.1	10.0
29	16.9	12.1	14.2	10.7	6.1	8.5	7.5	5.4	6.4	13.4	7.4	10.2
30	16.2	9.8	13.0	11.6	8.9	10.1	8.8	3.9	6.2	13.4	7.3	10.1
31	17.1	10.5	13.6	---	---	---	8.7	5.8	7.1	14.0	7.6	10.7
MONTH	20.0	9.8	14.8	14.3	4.2	10.0	14.2	3.4	7.8	14.0	4.2	9.0
		FEBRUARY			MARCH			APRIL			MAY	
1	12.6	8.5	10.7	---	---	---	20.1	12.6	15.9	21.9	13.0	17.0
2	12.6	8.3	10.2	---	---	---	17.5	11.4	14.2	22.2	13.6	17.8
3	11.5	5.5	8.2	---	---	---	17.4	9.0	12.4	19.1	13.9	16.3
4	11.5	4.8	7.9	---	---	---	18.7	8.4	13.1	23.0	13.1	17.4
5	9.4	5.1	6.9	15.0	---	---	14.4	9.7	12.1	22.9	14.3	18.0
6	9.2	3.7	5.8	15.2	7.8	11.3	17.5	6.8	11.5	23.6	13.1	18.1
7	8.9	2.0	5.1	16.7	8.5	12.4	19.9	8.9	13.8	20.9	15.0	17.8
8	8.9	1.9	5.2	17.2	9.1	13.0	21.0	9.1	14.6	18.0	13.8	15.8
9	10.1	3.2	6.3	18.0	9.6	13.7	23.0	10.5	16.4	19.8	11.8	15.3
10	---	3.8	---	18.2	9.9	14.0	22.1	12.2	16.9	23.2	11.1	16.7
11	---	---	---	18.9	10.5	14.5	22.5	12.6	17.1	24.9	12.7	18.4
12	---	---	---	18.9	10.9	14.8	21.8	13.6	17.3	25.6	13.8	19.6
13	---	---	---	19.8	11.4	15.5	21.9	13.6	17.3	23.1	16.4	19.8
14	---	---	---	20.0	12.8	15.9	19.2	13.9	16.2	23.4	16.1	19.3
15	---	---	---	16.2	12.5	13.7	16.0	12.9	14.2	25.6	16.1	20.4
16	---	---	---	13.6	11.5	12.9	20.7	10.6	15.2	25.7	16.6	21.2
17	---	---	---	---	---	---	18.4	13.0	15.3	22.1	16.9	19.6
18	---	---	---	---	---	---	18.7	11.1	14.4	27.2	17.1	21.4
19	---	---	---	14.8	---	---	21.6	11.4	15.9	25.2	13.3	18.9
20	---	---	---	16.8	8.3	12.2	22.8	12.0	17.3	26.2	13.4	19.4
21	---	---	---	18.7	9.3	13.6	19.0	15.0	16.8	28.9	15.8	22.0
22	---	---	---	19.8	9.8	14.6	17.3	13.7	15.1	28.8	17.1	22.6
23	---	---	---	20.3	11.4	15.7	17.8	11.4	13.9	27.8	17.5	22.4
24	13.3	---	---	19.0	13.0	15.8	21.9	11.8	16.3	29.2	18.1	23.3
25	12.4	8.3	11.0	20.4	10.8	15.2	23.0	13.5	17.7	28.5	18.5	23.3
26	10.3	7.7	8.7	18.3	11.6	15.1	23.9	13.7	18.3	29.8	18.4	23.6
27	---	8.4	---	16.7	10.2	13.1	23.3	13.9	18.1	30.8	18.7	24.4
28	---	---	---	15.8	6.7	10.7	21.3	14.8	17.7	31.7	20.6	25.9
29	---	---	---	18.5	7.0	12.3	22.3	13.4	17.3	31.8	21.9	26.7
30	---	---	---	20.3	9.0	14.4	21.9	12.2	16.7	30.6	21.5	25.8
31	---	---	---	22.4	11.2	16.7	---	---	---	31.2	21.0	25.4
MONTH	13.3	1.9	7.8	22.4	6.7	14.0	23.9	6.8	15.6	31.8	11.1	20.4

09408175 ST. GEORGE-WASHINGTON CANAL NEAR WASHINGTON, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS—CONTINUED
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	29.4	16.7	22.6	29.6	23.3	26.0	30.9	21.4	25.8
2	30.5	---	---	30.1	17.0	23.3	31.7	22.7	26.5	31.4	22.8	26.3
3	30.3	19.5	24.5	31.7	17.0	23.9	31.3	22.0	26.3	28.1	21.8	24.9
4	30.3	19.7	24.4	31.9	17.3	24.2	31.9	21.1	26.2	27.0	22.4	24.1
5	30.0	16.9	22.7	32.1	18.2	24.7	30.2	21.1	25.4	28.1	20.7	24.0
6	27.4	17.2	22.4	31.4	18.4	24.4	29.9	20.1	24.9	28.3	20.2	23.9
7	30.5	18.8	24.2	31.6	18.0	24.2	30.9	22.1	26.1	28.9	21.2	24.8
8	30.7	20.0	24.7	31.5	18.1	24.4	32.0	22.3	26.5	26.2	20.4	23.2
9	28.5	20.1	24.2	32.5	18.3	25.1	33.1	22.8	27.3	24.4	18.8	21.2
10	29.7	18.6	23.6	32.9	18.4	25.1	33.7	23.5	28.2	25.3	17.5	20.8
11	29.1	17.1	22.6	32.0	18.5	24.9	33.3	22.9	27.7	25.7	15.5	20.1
12	30.0	18.0	23.3	32.3	18.9	25.4	30.8	22.7	26.2	26.5	16.8	21.2
13	30.3	17.4	23.2	32.0	19.6	25.5	33.2	21.3	26.7	25.2	15.7	19.9
14	31.0	16.9	23.4	32.4	19.0	25.2	30.8	22.3	25.9	25.0	13.3	18.6
15	31.2	18.1	24.2	31.0	18.9	24.5	31.6	22.5	25.7	26.6	15.7	20.7
16	29.6	18.5	23.9	32.3	19.1	24.5	30.5	22.5	25.9	26.5	18.1	21.6
17	31.5	18.0	24.5	33.2	20.3	25.7	29.5	22.7	26.1	24.3	16.3	19.8
18	33.1	19.8	25.9	34.6	22.7	27.5	29.5	21.9	25.1	23.2	11.5	16.9
19	28.1	20.1	23.8	33.4	23.4	27.5	28.3	---	---	24.6	13.7	18.9
20	28.2	16.8	22.0	33.9	23.5	28.1	28.6	22.3	25.3	26.0	15.0	19.9
21	29.2	17.0	22.5	33.3	23.0	27.5	31.0	22.4	26.2	25.7	14.8	19.9
22	30.9	17.5	23.4	33.9	23.1	27.6	---	22.9	---	26.3	15.4	20.4
23	28.9	17.9	22.7	34.7	23.8	28.3	29.4	21.7	24.9	26.0	15.8	20.6
24	25.8	16.0	20.4	33.1	23.9	27.2	31.0	21.9	26.0	24.5	15.9	20.1
25	28.9	14.9	21.1	32.1	22.4	26.1	31.7	21.6	26.2	26.1	16.2	20.8
26	30.2	15.9	22.5	31.5	21.8	26.0	29.2	22.2	25.4	25.2	14.4	19.6
27	31.4	17.8	24.1	31.2	22.7	26.5	31.8	22.9	26.4	26.6	15.4	20.6
28	31.8	18.6	24.7	32.9	23.5	26.9	31.1	22.0	26.2	26.3	15.6	20.6
29	31.8	18.1	24.4	33.1	23.2	27.5	31.1	22.0	26.0	25.9	16.3	20.7
30	29.0	18.0	23.3	33.3	24.0	27.8	28.9	19.3	23.5	27.2	16.9	21.6
31	---	---	---	32.3	23.1	27.0	30.4	20.5	25.2	---	---	---
MONTH	33.1	14.9	23.4	34.7	16.7	25.8	33.7	19.3	26.0	31.4	11.5	21.4

09408195 FORT PEARCE WASH NEAR ST. GEORGE, UT

LOCATION.--Lat 37°00'06", long 113°28'05", in NE¼NE¼SW¼ sec. 31, T. 43 S., R. 14 W., Washington County, Hydrologic Unit 15010009, on left bank 20 ft upstream of road crossing, 0.12 mi north of Arizona-Utah boundary, and about 10 mi southeast of St. George.

DRAINAGE AREA.--1,349 mi^2.

REVISED RECORD.--WDR UT-88-1: Drainage area.

PERIOD OF RECORD.--October 1984 to September 1989, May 2001 to current year. Published as Fort Pierce Wash near St. George, October 1984 to September 1989.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 2,800 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,790 ft^3/s, Aug 15, 2003, gage height, 12.17 ft; no flow for extended periods most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,790 ft^3/s, Aug 15, gage height, 12.17 ft; no flow on many days.

REVISION: The maximum discharge for water year 2002 has been revised to 768 ft^3/s, Sep 6, gage height 6.47 ft; revised daily discharges, in cubic feet per second, for periods in Sep 2002 are given below. These figures supersede those published in Water-Data Report UT-02-1 for Water Year 2002.

Sep 6....37 Sep 7....20

	TOTAL	MEAN	MAX	MIN	AC-FT
Sep 2002	59.66	1.989	37	0.82	118

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

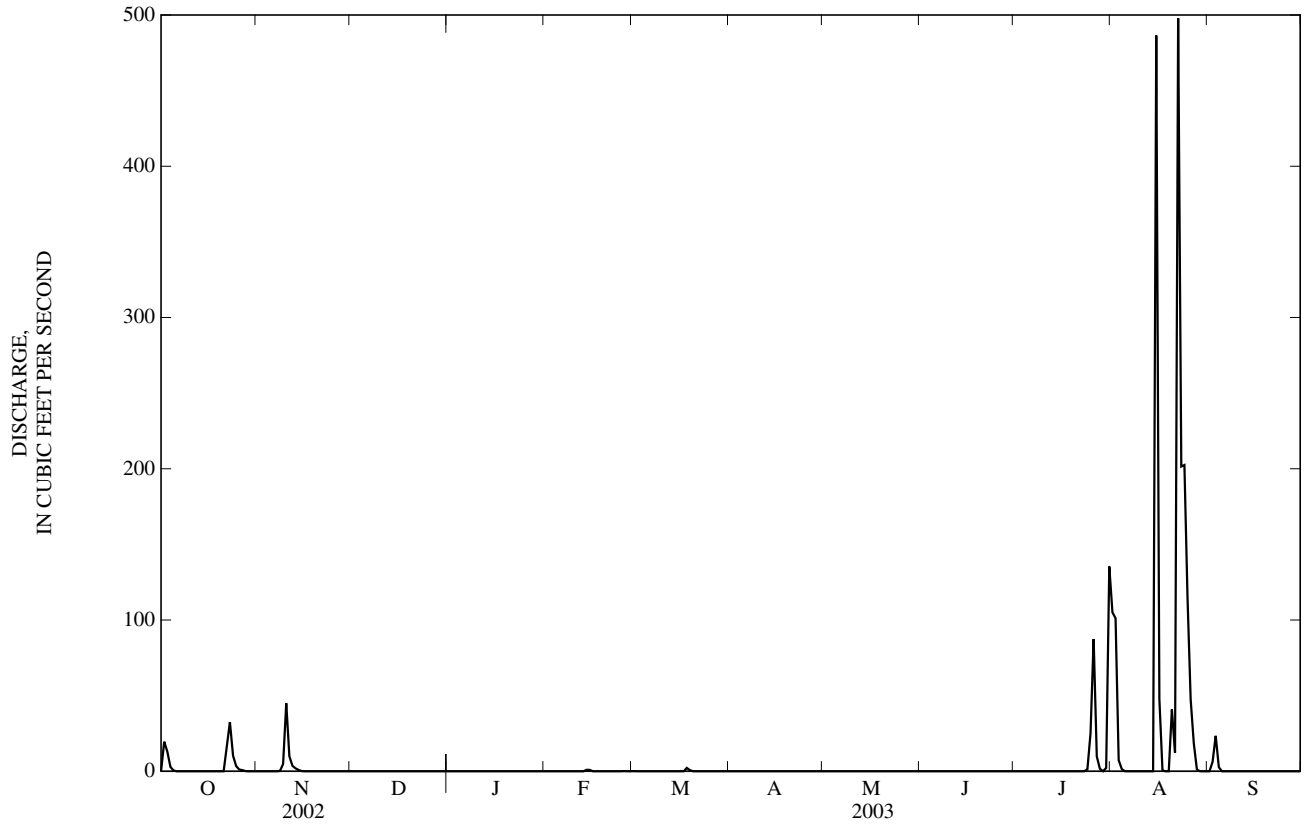
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00	0.00	0.00	105	0.00
2	20	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	101	6.2
3	13	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.4	23
4	2.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.4	2.7
5	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	0.00	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	0.00	4.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	0.00	45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11	0.00	9.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
12	0.00	3.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
13	0.00	1.9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
14	0.00	0.82	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00	0.00	0.00
15	0.00	0.08	0.00	0.00	0.90	0.00	0.00	0.00	0.00	0.00	486	0.00
16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	48	0.00
17	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.43	0.00
18	0.00	0.00	0.00	0.00	0.00	2.2	0.00	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	0.00	0.00	0.72	0.00	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	41	0.00
21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12	0.00
22	16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	498	0.00
23	33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	202	0.00
24	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.3	202	0.00
25	3.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	25	114	0.00
26	1.1	0.00	0.00	0.00	0.12	0.00	0.00	0.00	0.00	87	48	0.00
27	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	9.8	18	0.00
28	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	1.6	1.1	0.00
29	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	0.01	0.00	0.00
30	0.00	0.00	0.00	0.00	---	0.00	0.00	0.00	0.00	2.2	0.00	0.00
31	0.00	---	0.00	0.00	---	0.00	---	0.00	---	135	0.00	---
TOTAL	100.63	66.19	0.00	0.00	1.98	3.03	0.00	0.00	0.00	261.91	1,885.33	31.90
MEAN	3.25	2.21	0.000	0.000	0.071	0.098	0.000	0.000	0.000	8.45	60.8	1.06
MAX	33	45	0.00	0.00	0.96	2.2	0.00	0.00	0.00	135	498	23
MIN	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
AC-FT	200	131	0.00	0.00	3.9	6.0	0.00	0.00	0.00	519	3,740	63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2003, BY WATER YEAR (WY)

MEAN	0.87	0.39	0.024	0.021	0.032	0.038	0.063	0.064	0.25	1.44	8.32	0.48
MAX	3.25	2.21	0.16	0.15	0.097	0.098	0.36	0.44	1.77	8.45	60.8	1.99
(WY)	(2003)	(2003)	(1985)	(1985)	(1986)	(2003)	(1988)	(1987)	(1988)	(2003)	(2003)	(2002)
MIN	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
(WY)	(1989)	(1986)	(1986)	(1986)	(1987)	(1987)	(1986)	(1986)	(1986)	(1989)	(1985)	(1985)

09408195 FORT PEARCE WASH NEAR ST. GEORGE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1985 - 2003	
ANNUAL TOTAL	226.48		2,350.97			
ANNUAL MEAN	0.62		6.44		1.13	
HIGHEST ANNUAL MEAN					6.44	2003
LOWEST ANNUAL MEAN					0.067	1986
HIGHEST DAILY MEAN	45	Nov 10	498	Aug 22	498	Aug 22, 2003
LOWEST DAILY MEAN	0.00	Jan 1	0.00	Oct 1	0.00	Oct 26, 1984
ANNUAL SEVEN-DAY MINIMUM	0.00	Jan 1	0.00	Oct 6	0.00	Oct 26, 1984
ANNUAL RUNOFF (AC-FT)	449		4,660		817	
10 PERCENT EXCEEDS	0.00		1.3		0.06	
50 PERCENT EXCEEDS	0.00		0.00		0.00	
90 PERCENT EXCEEDS	0.00		0.00		0.00	



09408400 SANTA CLARA RIVER NEAR PINE VALLEY, UT

LOCATION.--Lat 37°23'00" long 113°28'57", in NW¼SE¼NE¼ sec. 24, T. 39 S., R. 15 W., Washington County, Hydrologic Unit 15010008, Dixie National Forest, on right bank 150 ft upstream from highway bridge, 0.6 mi downstream from Pine Valley Reservoir, 1.6 mi southeast of town of Pine Valley, and 2.5 mi upstream from Grass Valley Creek.

DRAINAGE AREA.--18.7 mi^2.

PERIOD OF RECORD.--July 1959 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,640 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for discharges less than 2 ft^3/s and estimated daily discharges, which are poor. Flow slightly regulated by Pine Valley Reservoir. No diversions above station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 776 ft^3/s, Dec 6, 1966, gage height, 6.85 ft; minimum daily discharge, 0.19 ft^3/s, Aug 15, 2002.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 60 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
May 16	2145	*30	*2.24			.	

Minimum daily discharge, 0.54 ft^3/s, Oct 1.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.54	0.62	0.94	1.1	0.90	e1.2	5.0	8.6	9.4	2.6	1.9	1.2
2	0.66	0.62	0.90	1.2	1.1	e1.5	5.9	7.9	8.2	2.6	1.9	1.2
3	0.82	0.63	0.90	1.2	e0.80	e1.1	5.2	9.3	7.2	2.5	1.7	1.6
4	0.82	0.64	e0.90	1.2	e0.80	1.1	4.3	8.2	6.5	e2.4	1.6	1.4
5	0.75	0.64	e0.90	1.1	e0.70	e1.3	4.1	8.5	6.0	2.4	1.5	1.3
6	0.68	0.65	0.89	1.0	e0.70	e1.6	3.6	8.9	5.5	2.3	1.4	1.6
7	0.66	0.65	0.90	1.0	e0.80	e1.8	3.2	9.4	5.1	2.3	1.4	1.3
8	0.63	1.0	e0.90	1.0	0.91	2.0	e3.0	8.1	4.8	2.2	1.4	1.2
9	0.62	2.3	e0.90	1.0	0.89	2.5	e2.9	7.1	4.6	2.1	1.4	1.1
10	0.60	1.7	0.92	1.0	0.91	2.8	e3.5	6.2	4.4	2.0	1.5	1.1
11	0.58	1.2	0.89	1.0	0.95	2.7	4.2	5.9	4.3	1.9	1.3	1.1
12	0.58	1.1	e0.90	e1.0	e1.8	2.8	5.3	7.1	4.1	1.9	1.2	1.1
13	0.58	1.1	0.90	e1.0	4.1	2.8	6.7	9.5	3.9	1.9	1.2	1.1
14	0.58	1.1	0.90	e1.0	2.9	3.5	7.5	11	3.8	1.9	1.2	1.1
15	0.62	1.0	0.90	e1.0	2.3	4.7	7.5	16	3.7	1.9	1.6	1.0
16	0.62	1.0	0.91	e1.0	2.0	6.6	6.5	21	3.6	1.9	2.1	0.98
17	0.62	1.0	1.1	e0.90	1.9	5.8	6.9	21	3.5	1.9	1.6	0.95
18	0.62	0.98	e1.0	e0.90	1.8	4.3	6.3	19	3.3	2.0	1.4	0.98
19	0.61	0.95	e0.90	e0.90	1.6	3.4	6.1	17	3.2	1.9	1.3	1.0
20	0.59	0.95	e0.90	e0.90	1.4	3.1	6.0	15	3.2	1.9	1.3	0.96
21	0.60	0.95	1.00	e0.90	1.3	3.4	6.0	14	3.1	1.9	1.3	0.91
22	0.64	0.95	0.98	1.0	1.3	3.9	6.2	14	3.1	1.9	1.4	0.90
23	0.65	0.93	0.99	0.92	1.2	5.2	5.9	14	3.0	1.9	1.4	0.88
24	0.62	0.90	0.99	0.90	1.1	6.0	5.9	14	3.0	1.9	1.5	0.89
25	0.64	1.00	1.0	0.90	1.3	e5.5	6.9	14	3.0	1.9	1.6	0.88
26	0.69	e0.90	1.0	0.89	1.2	5.7	7.9	14	2.9	1.9	1.3	0.87
27	0.75	e0.80	1.1	0.91	1.2	6.0	9.0	13	2.8	1.8	1.3	0.88
28	0.69	e0.80	1.1	0.90	e1.2	5.2	9.8	13	2.8	1.8	1.7	0.86
29	0.66	0.90	1.2	0.91	---	e4.6	10	13	2.7	1.8	1.9	0.85
30	0.66	0.91	1.1	0.90	---	3.8	9.9	12	2.6	2.1	1.4	0.87
31	e0.66	---	1.1	0.92	---	4.0	---	11	---	1.9	1.3	---
TOTAL	20.04	28.87	29.91	30.45	39.06	109.9	181.2	370.7	127.3	63.3	46.0	32.06
MEAN	0.65	0.96	0.96	0.98	1.40	3.55	6.04	12.0	4.24	2.04	1.48	1.07
MAX	0.82	2.3	1.2	1.2	4.1	6.6	10	21	9.4	2.6	2.1	1.6
MIN	0.54	0.62	0.89	0.89	0.70	1.1	2.9	5.9	2.6	1.8	1.2	0.85
AC-FT	40	57	59	60	77	218	359	735	252	126	91	64

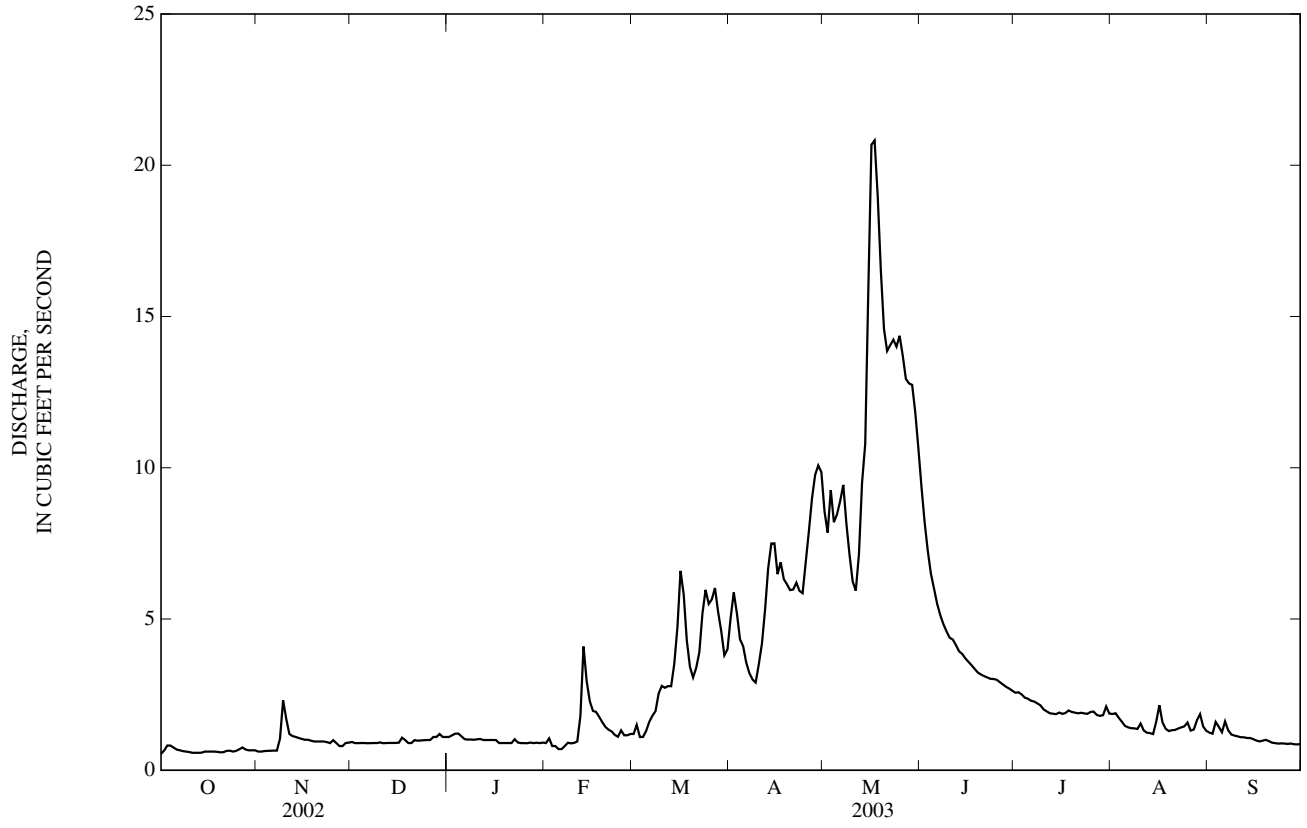
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1960 - 2003, BY WATER YEAR (WY)

MEAN	3.39	3.69	3.51	2.59	3.07	6.31	16.4	32.3	24.0	10.4	5.79	3.93
MAX	12.5	21.4	30.3	5.08	8.29	24.8	43.4	122	126	47.9	23.2	12.1
(WY)	(1973)	(1988)	(1967)	(1979)	(1995)	(1995)	(1969)	(1973)	(1983)	(1983)	(1983)	(1983)
MIN	0.65	0.95	0.96	0.85	0.68	1.20	1.20	0.67	0.33	0.27	0.23	0.43
(WY)	(2003)	(1978)	(2003)	(2002)	(1990)	(1977)	(2002)	(2002)	(2002)	(2002)	(2002)	(2002)

09408400 SANTA CLARA RIVER NEAR PINE VALLEY, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1960 - 2003	
ANNUAL TOTAL	277.74		1,078.79			
ANNUAL MEAN	0.76		2.96		9.64	
HIGHEST ANNUAL MEAN					29.4	1983
LOWEST ANNUAL MEAN					1.17	2002
HIGHEST DAILY MEAN	2.3	Nov 9	21	May 16	397	Dec 6, 1966
LOWEST DAILY MEAN	0.19	Aug 15	0.54	Oct 1	0.19	Aug 15, 2002
ANNUAL SEVEN-DAY MINIMUM	0.21	Aug 12	0.59	Oct 9	0.21	Aug 12, 2002
ANNUAL RUNOFF (AC-FT)	551		2,140		6,990	
10 PERCENT EXCEEDS	1.4		7.3		23	
50 PERCENT EXCEEDS	0.66		1.4		3.7	
90 PERCENT EXCEEDS	0.24		0.73		1.5	

e Estimated



09409100 SANTA CLARA RIVER ABOVE BAKER RESERVOIR, NEAR CENTRAL, UT

LOCATION.--Lat 37°23'05", long 113°37'52", in SW¼NW¼NE¼ sec. 22, T. 39 S., R. 16 W., Washington County, Hydrologic Unit 15010008, on left bank 0.6 mi downstream from Kane Spring Draw, 0.8 mi upstream from Baker Dam, 2.6 mi south of Central and 4.0 mi north of Veyo.

DRAINAGE AREA.--116 mi^2.

PERIOD OF RECORD.--October 1989 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 4,875 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s, which are poor. Diversion 0.5 mi upstream for power generation.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,160 ft^3/s (estimated), Mar 11, 1995, gage height, 5.79 ft, from rating curve extended above 100 ft^3/s on basis of slope-area measurement at gage height, 2.28 ft and velocity-area measurement at gage height, 2.78 ft; minimum daily discharge, 0.08 ft^3/s, Aug 9-14, 2002 and Aug 10, 11, 2003.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec 6, 1966 reached a discharge of 2,080 ft^3/s, from flow over dam measurement.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18 ft^3/s, May 19, gage height, 1.23 ft; minimum daily discharge, 0.08 ft^3/s, Aug 10, 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.1	4.9	6.3	6.2	0.28	0.30	0.28	0.38	0.27	0.16	0.12	0.09
2	5.2	5.7	6.2	6.2	0.28	0.30	0.28	0.30	0.21	0.16	0.13	0.10
3	5.3	6.0	6.2	6.2	0.29	0.30	0.28	0.30	0.19	0.16	0.12	0.11
4	5.2	6.0	6.2	6.2	0.30	0.30	0.29	0.49	0.18	0.17	0.11	0.11
5	4.9	6.2	6.2	6.4	0.30	0.30	0.30	0.34	0.18	0.16	0.10	0.12
6	4.8	6.0	6.2	6.5	0.30	0.30	0.29	0.29	2.3	0.16	0.10	0.13
7	4.8	6.0	6.2	6.5	0.30	0.30	0.29	0.30	4.5	0.16	0.10	0.19
8	4.7	6.4	6.2	6.6	0.30	0.30	0.29	0.29	4.6	0.16	0.09	0.23
9	4.7	6.8	6.4	6.6	0.30	0.30	0.30	0.28	4.6	0.15	0.09	0.33
10	4.7	6.6	6.5	6.5	0.30	0.30	0.30	0.28	4.5	0.14	0.08	0.40
11	4.5	6.5	6.2	6.7	0.30	0.30	0.30	0.28	4.6	0.13	0.08	0.47
12	4.5	6.5	6.2	6.5	0.30	0.30	0.30	0.27	4.6	0.13	0.09	0.52
13	4.6	6.5	6.2	6.4	0.34	0.30	0.30	0.27	4.5	0.13	0.09	0.61
14	4.6	6.5	6.1	6.3	0.37	0.30	0.30	0.28	4.5	0.12	0.09	0.73
15	4.7	6.5	6.0	6.3	0.35	0.30	0.52	1.00	5.2	0.12	0.10	0.89
16	4.7	6.5	6.1	4.5	0.30	0.60	0.66	2.1	4.8	0.13	0.12	0.64
17	4.8	6.5	6.5	1.8	0.30	0.74	0.40	4.8	4.8	0.14	0.10	0.14
18	4.9	6.3	6.5	0.28	0.30	0.44	0.37	4.2	2.9	0.14	0.09	0.14
19	4.9	6.2	6.5	0.28	0.30	0.40	0.32	9.9	0.13	0.13	0.10	0.15
20	4.9	6.2	6.5	0.28	0.30	0.40	0.30	5.8	0.13	0.13	0.10	0.14
21	4.9	6.2	6.5	0.28	0.30	0.37	0.30	0.71	0.14	0.12	0.10	0.13
22	5.0	6.2	6.6	0.28	0.30	0.35	0.31	0.50	0.15	0.11	0.12	0.13
23	5.1	6.2	6.7	0.28	0.30	0.32	0.31	0.52	0.16	0.12	0.12	0.14
24	5.0	6.2	6.6	0.28	0.29	0.32	0.30	0.73	0.17	0.13	0.10	0.17
25	5.0	6.2	6.2	0.28	0.30	0.37	0.30	0.62	0.16	0.14	0.09	0.21
26	5.1	6.2	6.2	0.28	0.30	0.31	0.30	0.63	0.16	0.13	0.10	0.26
27	5.2	6.2	6.2	0.28	0.30	0.29	0.30	0.59	0.15	0.12	0.10	0.39
28	5.2	6.2	6.2	0.28	0.30	0.30	0.47	0.70	0.15	0.11	0.10	0.53
29	4.9	6.2	6.2	0.28	---	0.29	0.69	0.74	0.15	0.11	0.10	0.73
30	4.8	6.2	6.2	0.28	---	0.28	0.41	0.44	0.16	0.12	0.09	0.88
31	4.7	---	6.2	0.28	---	0.28	---	0.36	---	0.13	0.09	---
TOTAL	151.4	186.8	195.2	106.32	8.50	10.56	10.36	38.69	59.24	4.22	3.11	9.81
MEAN	4.88	6.23	6.30	3.43	0.30	0.34	0.35	1.25	1.97	0.14	0.10	0.33
MAX	5.3	6.8	6.7	6.7	0.37	0.74	0.69	9.9	5.2	0.17	0.13	0.89
MIN	4.5	4.9	6.0	0.28	0.28	0.28	0.28	0.27	0.13	0.11	0.08	0.09
AC-FT	300	371	387	211	17	21	21	77	118	8.4	6.2	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1990 - 2003, BY WATER YEAR (WY)

MEAN	2.94	3.95	3.42	2.73	2.91	10.5	9.23	19.8	16.4	5.90	2.48	3.73
MAX	14.6	12.9	10.6	12.9	11.8	63.7	35.1	77.8	84.1	32.1	7.36	15.5
(WY)	(1996)	(1996)	(1993)	(1993)	(1993)	(1995)	(1993)	(1993)	(1995)	(1995)	(1995)	(1995)
MIN	0.31	0.50	0.40	0.47	0.30	0.31	0.35	0.47	0.16	0.11	0.10	0.23
(WY)	(2002)	(1990)	(1990)	(2000)	(2003)	(2002)	(2003)	(1990)	(2002)	(2002)	(2003)	(2001)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1990 - 2003	
ANNUAL TOTAL	1,027.38		784.21			
ANNUAL MEAN	2.81		2.15		7.02	
HIGHEST ANNUAL MEAN					24.5	1995
LOWEST ANNUAL MEAN					1.39	1990
HIGHEST DAILY MEAN	7.3	Apr 26	9.9	May 19	393	Mar 11, 1995
LOWEST DAILY MEAN	0.08	Aug 9	0.08	Aug 10	0.08	Aug 9, 2002
ANNUAL SEVEN-DAY MINIMUM	0.08	Aug 8	0.09	Aug 8	0.08	Aug 8, 2002
ANNUAL RUNOFF (AC-FT)	2,040		1,560		5,080	
10 PERCENT EXCEEDS	6.3		6.2		17	
50 PERCENT EXCEEDS	0.55		0.30		1.2	
90 PERCENT EXCEEDS	0.12		0.12		0.30	

09409880 SANTA CLARA RIVER AT GUNLOCK, UT

LOCATION.--Lat 37°16'55", long 113°46'00", in SW¼SW¼NW¼ sec. 28, T. 40 S., R. 17 W., Washington County, Hydrologic Unit 15010008, on right bank at downstream side of bridge on county road at Gunlock, 0.5 mi downstream from tailrace of powerhouse.

DRAINAGE AREA.--271 mi^2.

PERIOD OF RECORD.--August 1969 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since May 24, 1989. Elevation of gage is 3,628 ft above NGVD of 1929, from topographic map.

REMARKS.--Records good except for daily discharges less than 2.0 ft^3/s, which are poor. Many diversions for irrigation upstream of gage. Some regulation of low flow by several reservoirs and powerplant upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,830 ft^3/s, estimated, Mar 11, 1995, gage height, 8.07 ft; minimum daily dicharge, no flow several days during 1977 and Jul 10 and 18, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 65 ft^3/s, Mar 17, gage height, 3.71 ft; minimum daily discharge, no flow, Jul 10 and 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.5	6.2	6.1	7.0	11	12	10	6.9	9.8	0.78	0.61	0.44
2	3.2	6.0	6.3	7.7	11	15	9.4	6.3	6.9	0.85	2.5	0.82
3	4.3	5.3	5.7	6.8	11	10	9.6	6.3	4.9	0.42	2.0	0.73
4	4.2	5.5	6.0	7.8	10	9.7	9.5	6.3	5.8	0.25	0.32	0.81
5	5.1	5.7	5.9	8.4	11	9.7	9.9	6.5	4.8	0.81	0.24	0.66
6	5.1	5.6	6.2	13	11	9.5	10	6.0	3.3	0.74	0.78	0.91
7	4.0	5.7	7.0	8.6	11	9.4	9.9	4.6	3.8	0.27	0.18	1.2
8	3.3	7.9	8.6	9.7	11	11	10	5.3	2.6	0.15	0.29	1.1
9	2.9	18	8.8	13	11	12	9.6	4.2	4.7	0.03	1.4	1.1
10	4.5	8.9	9.2	13	11	13	7.9	5.1	2.3	0.00	0.98	1.0
11	4.7	4.2	9.2	15	11	13	7.2	6.8	1.1	0.01	0.53	0.65
12	5.2	3.5	8.9	13	11	13	6.7	5.5	1.6	0.44	0.04	0.65
13	5.1	3.0	7.8	12	12	13	6.0	4.2	1.8	0.22	0.04	1.0
14	4.0	2.8	6.1	12	13	12	6.6	3.7	2.0	0.13	0.19	0.98
15	2.7	2.8	7.4	14	14	13	9.6	3.8	2.5	0.07	0.07	0.71
16	2.3	3.2	8.6	10	13	27	10	4.6	1.6	0.04	1.2	0.81
17	2.9	3.1	9.1	12	12	46	9.5	5.9	1.6	0.09	0.70	0.55
18	2.7	3.0	8.7	12	11	29	8.4	6.5	1.0	0.00	0.49	0.33
19	3.5	2.8	8.3	11	9.2	22	9.7	4.0	1.0	0.34	0.18	0.64
20	3.8	3.2	8.9	10	9.2	17	9.0	2.7	1.3	0.47	0.25	0.91
21	4.8	3.4	9.4	11	9.5	15	8.4	3.1	1.4	0.23	0.42	0.88
22	3.6	3.3	9.8	11	9.2	13	8.1	2.8	1.5	0.50	0.04	0.56
23	2.8	3.8	9.7	10	9.1	14	6.8	5.2	0.99	0.08	0.20	0.50
24	3.7	4.1	8.6	10	9.3	13	5.8	14	1.1	0.18	0.89	0.72
25	4.5	3.4	7.8	10	12	13	6.8	12	1.0	0.83	0.33	0.74
26	5.6	4.3	7.6	10	12	12	8.0	12	0.71	0.89	0.58	0.91
27	5.7	5.0	7.5	9.9	13	11	7.2	13	0.84	0.71	0.08	0.94
28	4.6	5.2	7.4	10	12	11	6.6	12	1.3	0.53	0.52	0.91
29	3.9	5.2	7.4	9.7	---	11	4.8	11	1.2	0.33	0.60	0.68
30	4.5	5.7	7.8	11	---	11	6.8	14	1.0	0.49	1.0	0.99
31	5.4	---	6.9	11	---	11	---	15	---	0.54	0.82	---
TOTAL	126.1	149.8	242.7	329.6	310.5	451.3	247.8	219.3	75.44	11.42	18.47	23.83
MEAN	4.07	4.99	7.83	10.6	11.1	14.6	8.26	7.07	2.51	0.37	0.60	0.79
MAX	5.7	18	9.8	15	14	46	10	15	9.8	0.89	2.5	1.2
MIN	2.3	2.8	5.7	6.8	9.1	9.4	4.8	2.7	0.71	0.00	0.04	0.33
AC-FT	250	297	481	654	616	895	492	435	150	23	37	47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1970 - 2003, BY WATER YEAR (WY)

MEAN	10.6	15.2	15.6	21.1	36.8	51.0	38.7	40.2	29.5	11.6	8.82	8.39
MAX	28.0	30.9	26.0	95.4	372	211	150	222	138	40.4	30.5	26.5
(WY)	(1984)	(1981)	(1981)	(1980)	(1980)	(1979)	(1973)	(1973)	(1973)	(1995)	(1980)	(1980)
MIN	3.14	4.99	7.72	4.73	7.69	5.54	6.05	5.14	2.51	0.37	0.60	0.79
(WY)	(1992)	(2003)	(1978)	(1972)	(1972)	(2002)	(1977)	(1989)	(2003)	(2003)	(2003)	(2003)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1970 - 2003	
ANNUAL TOTAL	2,226.84		2,206.26			
ANNUAL MEAN	6.10		6.04		23.9	
HIGHEST ANNUAL MEAN					86.8	1980
LOWEST ANNUAL MEAN					6.04	2003
HIGHEST DAILY MEAN	24	Sep 8	46	Mar 17	2,040	Feb 15, 1980
LOWEST DAILY MEAN	0.35	Aug 15	0.00	Jul 10	0.00	Jul 26, 1977
ANNUAL SEVEN-DAY MINIMUM	0.68	Aug 14	0.13	Jul 13	0.02	Aug 1, 1977
ANNUAL RUNOFF (AC-FT)	4,420		4,380		17,290	
10 PERCENT EXCEEDS	13		12		47	
50 PERCENT EXCEEDS	5.1		5.5		13	
90 PERCENT EXCEEDS	1.2		0.46		4.4	

09413000 SANTA CLARA RIVER AT ST. GEORGE, UT

LOCATION.--Lat 37°04'31", long 113°35'32", in SE¼SW¼NE¼ sec. 1, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010008 on right bank 0.8 mi upstream from mouth and 2 mi south of St. George.

DRAINAGE AREA.--541 mi^2.

PERIOD OF RECORD.--October 1950 to September 1956, November 1984 to current year.

GAGE.--Water-stage recorder. Crest-stage gage since January 27, 1993. Elevation of gage is 2,560 ft above NGVD of 1929, from topographic map. October 1950 to September 1956, gage located 0.25 mi downstream and November 1984 to September 1989, 0.5 mi downstream from present site, both at different datum.

REMARKS.--Records fair except for discharges less than 2.0 ft^3/s and estimated daily discharges, which are poor. Flow regulated by reservoirs and many diversions for irrigation upstream of station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,000 ft^3/s, Mar 12, 1995, gage height, 14.60 ft, from rating curve extended above 2,800 ft^3/s; minimum daily discharge, no flow some days in 1951, 1953, 1955, 1956, and 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 53 ft^3/s, Nov 9, gage height, 5.61 ft; minimum daily discharge, no flow, Jul 18.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	2.3	6.7	3.3	3.2	19	1.7	1.7	0.05	0.06	0.89	1.2
2	1.7	2.8	4.5	3.3	3.3	10	1.4	1.1	0.05	0.03	0.56	0.84
3	2.2	2.8	4.3	3.3	3.3	5.8	2.1	2.1	0.06	0.02	0.40	1.00
4	1.3	2.3	4.1	3.3	3.1	5.2	2.8	4.2	0.07	0.04	0.40	1.4
5	1.3	2.3	3.9	3.3	4.2	4.9	3.4	2.1	0.06	0.05	0.18	1.2
6	0.89	2.0	4.0	2.9	3.9	5.2	7.7	1.9	0.25	0.09	0.48	1.4
7	1.3	1.7	3.7	2.9	2.3	5.2	4.1	1.3	0.36	e0.01	0.16	0.60
8	1.3	7.0	3.9	2.2	1.8	4.9	3.3	0.71	0.25	e0.01	0.07	0.92
9	1.4	15	3.7	1.5	e1.8	4.7	3.0	0.84	0.20	e0.01	0.07	0.57
10	1.8	6.8	3.7	2.4	e1.9	4.3	2.9	0.67	0.38	e0.01	0.07	0.65
11	1.4	2.7	4.8	4.1	e2.0	4.0	2.7	1.4	0.54	e0.01	0.42	0.46
12	1.5	2.3	4.6	2.7	4.9	3.0	1.9	1.2	0.16	e0.02	0.02	0.49
13	2.1	2.6	3.1	3.2	18	3.0	1.9	1.2	0.13	e0.03	0.02	0.44
14	2.2	2.7	2.2	3.3	4.6	2.5	3.1	0.68	0.03	e0.02	0.02	0.45
15	2.1	2.4	2.0	3.3	3.4	3.3	4.6	0.69	0.04	e0.01	4.0	0.47
16	2.4	3.2	1.9	3.1	2.9	7.0	3.1	0.84	0.11	0.01	2.5	0.47
17	2.0	3.2	2.3	3.4	2.6	6.8	2.5	0.96	0.05	0.01	0.45	0.44
18	1.6	2.5	5.5	3.5	2.4	4.6	2.8	0.93	0.02	0.00	0.28	0.67
19	1.3	2.5	2.6	3.5	2.1	3.5	3.3	1.1	0.06	0.01	0.22	0.82
20	1.4	2.5	3.9	4.2	2.1	3.2	2.3	0.63	0.12	e0.03	0.31	1.0
21	1.6	2.3	3.4	4.0	2.0	3.2	2.1	0.88	0.46	e0.01	0.58	0.78
22	1.7	2.6	3.2	3.2	2.2	4.3	2.8	0.62	0.39	0.07	2.0	0.75
23	1.4	2.6	3.4	2.6	2.2	4.4	3.7	0.48	0.40	1.1	0.85	0.77
24	1.7	2.6	3.2	1.9	2.0	3.5	2.3	1.0	0.84	0.37	0.37	0.52
25	1.7	4.8	3.0	1.9	13	3.4	2.1	0.79	0.92	0.67	0.37	0.80
26	2.1	3.9	2.9	2.3	12	2.7	2.6	0.55	0.54	0.43	0.31	1.1
27	2.5	4.4	2.9	2.3	9.5	3.1	1.7	0.74	0.29	0.25	0.46	1.2
28	2.1	4.4	3.1	2.8	6.1	2.5	2.2	0.49	0.16	0.29	0.35	1.1
29	2.4	4.0	3.7	2.8	---	3.1	1.5	0.21	0.13	0.69	0.42	1.3
30	2.8	5.2	3.3	2.8	---	2.3	1.7	0.08	0.16	0.74	0.33	1.1
31	2.6	---	3.4	2.9	---	1.8	---	0.06	---	1.4	0.42	---
TOTAL	54.99	108.4	110.9	92.2	122.8	144.4	83.3	32.15	7.28	6.50	17.98	24.91
MEAN	1.77	3.61	3.58	2.97	4.39	4.66	2.78	1.04	0.24	0.21	0.58	0.83
MAX	2.8	15	6.7	4.2	18	19	7.7	4.2	0.92	1.4	4.0	1.4
MIN	0.89	1.7	1.9	1.5	1.8	1.8	1.4	0.06	0.02	0.00	0.02	0.44
AC-FT	109	215	220	183	244	286	165	64	14	13	36	49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951-1956, 1986-2003, BY WATER YEAR (WY)

MEAN	3.41	5.27	6.55	12.3	16.0	33.0	21.0	14.0	9.65	4.86	5.81	3.72
MAX	10.5	22.1	26.5	128	136	313	136	80.8	73.5	29.1	38.8	12.7
(WY)	(1999)	(1999)	(1999)	(1993)	(1993)	(1995)	(1952)	(1993)	(1995)	(1995)	(1955)	(1998)
MIN	0.22	0.59	0.91	0.82	0.79	1.44	1.50	1.04	0.24	0.21	0.055	0.29
(WY)	(1991)	(1991)	(1992)	(1991)	(1991)	(1991)	(1991)	(2003)	(2003)	(2003)	(1956)	(1953)

09413000 SANTA CLARA RIVER AT ST. GEORGE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951-1956, 1986-2003	
ANNUAL TOTAL	800.09		805.81			
ANNUAL MEAN	2.19		2.21		11.5	
HIGHEST ANNUAL MEAN					56.0	1993
LOWEST ANNUAL MEAN					1.18	1991
HIGHEST DAILY MEAN	15	Nov 9	19	Mar 1	2,910	Mar 12, 1995
LOWEST DAILY MEAN	0.04	Aug 22	0.00	Jul 18	0.00	Sep 21, 1951
ANNUAL SEVEN-DAY MINIMUM	0.05	Aug 20	0.01	Jul 15	0.00	Aug 2, 1956
ANNUAL RUNOFF (AC-FT)	1,590		1,600		8,300	
10 PERCENT EXCEEDS	4.7		4.3		21	
50 PERCENT EXCEEDS	2.1		2.0		3.3	
90 PERCENT EXCEEDS	0.12		0.07		0.45	

e Estimated

09413200 VIRGIN RIVER NEAR BLOOMINGTON, UT

LOCATION.--Lat 37°04'14", long 113°34'55", in SE$^1/_4$NW$^1/_4$SW$^1/_4$ sec. 6, T. 43 S., R. 15 W., Washington County, Hydrologic Unit 15010010, on left bank 0.2 mi downstream from mouth of Santa Clara River, 0.2 mi upstream from I-15 bridge, and about 1.5 mi northeast of Bloomington.

DRAINAGE AREA.--3,994 mi^2.

PERIOD OF RECORD.--September 1977 to current year.

REVISED RECORD.--WDR-UT-92-1: Drainage area.

GAGE.--Water-stage recorder. Crest-stage gage since May 9, 1989. Elevation of gage is 2,530 ft above NGVD of 1929, from topographic map. May 18, 1992 to February 20, 1993 at site 180 ft upstream at same datum. Prior to September 19, 1978 at site 1.5 mi downstream at different datum.

REMARKS.--Records are good except for flows greater than 300 ft^3/s, which are fair, and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,000 ft^3/s (estimated on basis of slope conveyance), Jan 1, 1989, gage height, 25.70 ft, result of Quail Creek reservoir dike failure; minimum daily discharge, 5.1 ft^3/s, Jul 11, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,490 ft^3/s, Aug 15, gage height, 8.81 ft; minimum daily discharge, 5.1 ft^3/s, Jul 11.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	98	37	95	89	52	207	26	50	54	8.2	66	19
2	327	45	87	86	72	126	30	40	54	9.0	175	14
3	276	49	85	86	74	129	27	33	25	7.6	30	45
4	147	48	87	82	66	e100	26	48	16	7.1	8.5	69
5	77	55	89	84	70	e96	26	56	12	6.7	6.5	39
6	77	56	93	92	81	94	31	43	13	6.8	6.6	40
7	73	50	95	85	68	91	36	41	15	6.2	7.4	40
8	54	80	97	81	65	e92	28	51	17	7.4	6.9	25
9	42	680	94	79	78	e96	29	45	15	7.2	7.6	22
10	37	381	97	76	102	e96	33	41	10	5.5	7.5	17
11	36	126	94	98	97	92	39	39	9.8	5.1	7.0	16
12	33	102	97	94	115	e92	27	41	10	5.3	6.3	14
13	36	83	89	87	267	85	37	31	9.2	5.2	6.0	10
14	27	100	86	85	253	74	52	28	7.2	5.6	5.9	13
15	23	94	e85	83	e111	62	58	22	9.6	5.2	363	18
16	29	84	e90	83	e105	113	95	53	11	5.8	221	16
17	24	82	95	70	96	437	47	67	9.7	6.8	48	12
18	23	88	122	59	104	e148	44	44	10	7.1	50	13
19	22	78	104	64	e107	e92	45	23	7.9	6.8	51	12
20	27	76	95	61	e92	e72	31	20	7.2	5.9	11	12
21	29	80	99	60	77	65	35	18	6.9	9.3	10	12
22	32	76	102	66	70	50	49	14	6.8	12	364	16
23	36	73	100	69	67	46	65	17	6.5	12	403	17
24	43	75	96	60	61	40	85	22	7.5	7.5	227	19
25	34	84	93	59	144	44	60	21	6.9	9.6	199	16
26	38	80	90	56	354	44	53	25	8.9	24	62	18
27	65	74	91	54	164	35	34	26	8.9	20	35	13
28	90	80	90	59	144	30	42	19	8.0	11	30	15
29	45	78	91	51	---	27	31	22	8.1	7.6	23	16
30	39	83	93	53	---	30	38	18	6.5	7.7	45	15
31	47	---	89	46	---	35	---	32	---	109	23	---
TOTAL	1,986	3,177	2,910	2,257	3,156	2,840	1,259	1,050	397.6	360.2	2,512.2	623
MEAN	64.1	106	93.9	72.8	113	91.6	42.0	33.9	13.3	11.6	81.0	20.8
MAX	327	680	122	98	354	437	95	67	54	109	403	69
MIN	22	37	85	46	52	27	26	14	6.5	5.1	5.9	10
AC-FT	3,940	6,300	5,770	4,480	6,260	5,630	2,500	2,080	789	714	4,980	1,240

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1978 - 2003, BY WATER YEAR (WY)

MEAN	120	160	171	223	287	370	402	451	167	83.3	93.8	106
MAX	322	286	350	695	1,642	1,124	1,335	1,839	1,146	244	246	422
(WY)	(1984)	(1984)	(1984)	(1989)	(1980)	(1995)	(1993)	(1983)	(1983)	(1984)	(1982)	(1998)
MIN	44.4	51.4	71.5	64.7	56.1	48.8	42.0	25.0	13.3	11.6	13.7	20.8
(WY)	(1991)	(1991)	(1991)	(1991)	(1991)	(1990)	(2003)	(2002)	(2003)	(2003)	(2002)	(2003)

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1978 - 2003	
ANNUAL TOTAL	20,573.9		22,528.0			
ANNUAL MEAN	56.4		61.7		219	
HIGHEST ANNUAL MEAN					628	1980
LOWEST ANNUAL MEAN					58.0	2002
HIGHEST DAILY MEAN	680	Nov 9	680	Nov 9	13,000	Jan 1, 1989
LOWEST DAILY MEAN	7.6	Aug 18	5.1	Jul 11	5.1	Jul 11, 2003
ANNUAL SEVEN-DAY MINIMUM	10	Aug 15	5.4	Jul 10	5.4	Jul 10, 2003
ANNUAL RUNOFF (AC-FT)	40,810		44,680		158,700	
10 PERCENT EXCEEDS	95		101		467	
50 PERCENT EXCEEDS	45		46		120	
90 PERCENT EXCEEDS	13		7.6		29	

e Estimated

09413500 VIRGIN RIVER NEAR ST. GEORGE, UT

LOCATION.--Lat 37°00'52", long 113°40'47", in NW¼NE¼SE¼ sec. 30, T. 43 S., R. 16 W., Washington County, Hydrologic Unit 15010010, Bureau of Land Management, on right bank immediately upstream from Beaver Dam Mountains Wilderness Area, and 8.0 mi southwest of St. George.

DRAINAGE AREA.--4,123 mi^2.

PERIOD OF RECORD.--October 1950 to December 1956, October 1991 to current year.

REVISED RECORDS.--WDR UT-92-1: Drainage area.

GAGE.--Water-stage recorder, crest-stage gage, and concrete control. Elevation of gage is 2,400 ft above NGVD of 1929, from topographic map. October 1950 to December 1956, gage located about 400 ft downstream at different datum.

REMARKS.--Records good except for daily discharges greater than 400 ft^3/s and estimated daily discharges, which are poor. Many diversions upstream of gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,800 ft^3/s, Aug 25, 1955, gage height 12.70 ft, site and datum then in use; no flow at times in some years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge, 60,000 ft^3/s (estimated), Jan 1, 1989, gage height, about 30.0 ft, result of Quail Creek reservoir dike failure.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,540 ft^3/s, Aug 16, gage height, 7.74 ft; minimum daily discharge, 4.2 ft^3/s, Jul 12, 13.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	44	107	112	62	236	35	52	37	7.0	69	33
2	429	48	104	105	80	147	37	52	48	7.7	271	24
3	362	54	100	102	87	144	34	41	23	5.7	36	65
4	216	53	99	99	72	128	35	53	15	5.6	14	139
5	81	59	102	90	68	123	34	63	13	4.6	9.1	47
6	82	62	101	105	88	114	37	49	13	6.1	8.5	65
7	72	57	108	103	78	e106	46	44	13	5.7	9.5	57
8	53	149	110	102	68	e110	36	53	15	6.6	9.6	29
9	44	984	111	97	82	112	40	50	15	6.5	8.0	27
10	37	508	116	85	105	108	41	45	11	5.0	10	20
11	39	153	99	108	114	98	43	40	9.5	4.8	8.9	20
12	33	123	109	117	123	95	37	44	9.6	4.2	8.1	18
13	41	99	98	101	248	101	43	34	8.5	4.2	7.7	15
14	32	111	91	100	326	87	56	34	6.7	4.5	7.3	16
15	27	107	89	94	143	73	66	27	7.8	4.8	242	24
16	27	98	97	95	131	108	119	31	11	5.6	581	21
17	28	92	110	82	119	474	65	65	9.3	7.1	62	19
18	26	102	142	62	e120	173	50	50	9.7	6.4	75	15
19	26	93	130	63	121	115	79	25	8.2	5.3	90	19
20	33	86	110	74	116	94	48	22	7.1	6.1	29	18
21	34	89	113	65	100	79	44	21	6.6	6.1	22	18
22	39	87	120	72	93	68	52	19	6.9	9.3	284	20
23	39	82	120	72	86	65	73	20	6.2	13	908	21
24	41	82	119	69	83	56	116	21	5.5	8.3	300	23
25	42	e90	106	64	104	53	80	20	6.7	13	380	23
26	41	e90	98	59	382	58	78	23	8.0	13	87	22
27	63	83	102	60	178	51	42	24	8.7	25	42	19
28	e95	89	111	68	165	43	53	21	9.4	12	33	18
29	e55	86	110	65	---	40	39	22	8.0	9.5	28	22
30	44	93	111	61	---	41	43	19	7.1	8.7	62	19
31	51	---	106	58	---	45	---	29	---	296	34	---
TOTAL	2,313	3,953	3,349	2,609	3,542	3,345	1,601	1,113	363.5	527.4	3,735.7	896
MEAN	74.6	132	108	84.2	126	108	53.4	35.9	12.1	17.0	121	29.9
MAX	429	984	142	117	382	474	119	65	48	296	908	139
MIN	26	44	89	58	62	40	34	19	5.5	4.2	7.3	15
AC-FT	4,590	7,840	6,640	5,170	7,030	6,630	3,180	2,210	721	1,050	7,410	1,780

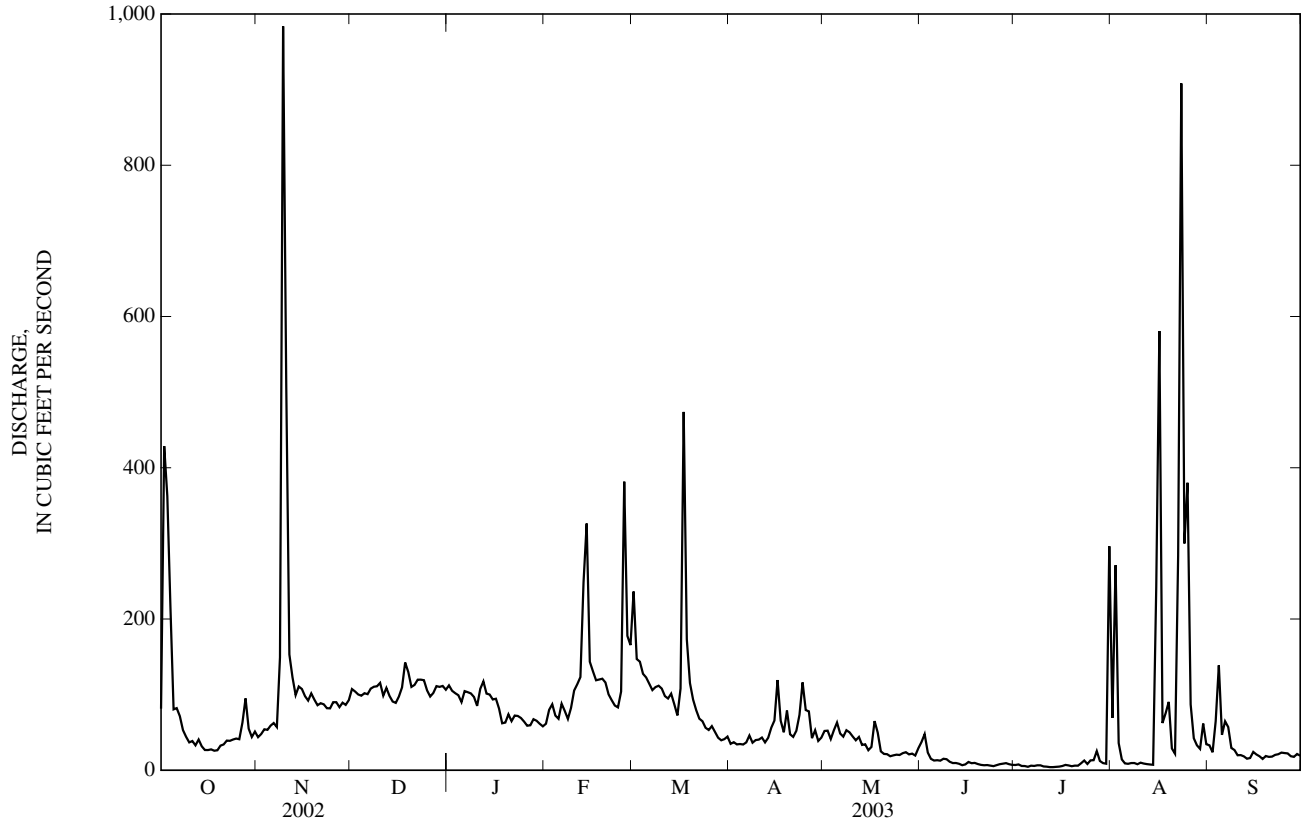
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2003, BY WATER YEAR (WY)

MEAN	90.8	136	154	189	221	285	322	325	92.8	67.1	108	93.4
MAX	179	237	287	519	869	1,232	1,312	1,300	543	232	522	475
(WY)	(1999)	(1999)	(1994)	(1993)	(1993)	(1995)	(1952)	(1993)	(1995)	(1998)	(1955)	(1998)
MIN	22.8	65.2	64.5	84.2	62.3	61.6	38.3	6.86	0.000	10.1	4.30	0.000
(WY)	(1951)	(1992)	(1957)	(2003)	(2002)	(2002)	(1953)	(1953)	(1951)	(1952)	(1956)	(1956)

09413500 VIRGIN RIVER NEAR ST. GEORGE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1951 - 2003	
ANNUAL TOTAL	22,856.4		27,347.6			
ANNUAL MEAN	62.6		74.9		174	
HIGHEST ANNUAL MEAN					472	1993
LOWEST ANNUAL MEAN					61.6	2002
HIGHEST DAILY MEAN	984	Nov 9	984	Nov 9	5,490	Aug 25, 1955
LOWEST DAILY MEAN	8.9	Aug 18	4.2	Jul 12	0.00	Apr 17, 1951
ANNUAL SEVEN-DAY MINIMUM	10	Aug 18	4.7	Jul 10	0.00	May 29, 1951
ANNUAL RUNOFF (AC-FT)	45,340		54,240		126,300	
10 PERCENT EXCEEDS	107		120		335	
50 PERCENT EXCEEDS	45		53		100	
90 PERCENT EXCEEDS	13		8.2		11	

e Estimated



09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT

LOCATION.--Lat 37°28'12", long 114°02'45", in NW¼SW¼NW¼ sec. 24, T. 38 S., R. 20 W., Washington County, Hydrologic Unit 15010010, Bureau of Land Management, on left bank 0.4 mi downstream from Nevada-Utah State line and about 19 mi southwest of Enterprise.

DRAINAGE AREA.--58 mi^2.

PERIOD OF RECORD.--October 1991 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Elevation of gage is 4,760 ft above NGVD of 1929, from topographic map.

REMARKS.-- Records fair except for daily discharges less than 2.0 ft^3/s and estimated daily discharge, which are poor. Some regulation of low flow by Schroeder Reservoir (capacity about 200 acre-ft) 3 miles upstream from station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,760 ft^3/s, Feb 24, 1998, gage height, 10.16 ft, from floodmarks, from rating curve extended above 70 ft^3/s on basis of slope-area measurement at gage height, 9.56 ft; no flow Aug 8, 10, 1994.

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

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Mar 17	0430	*8.9	*4.84				

Minimum daily discharge, 0.01 ft^3/s, Jul 22, 23, 24, Aug 14, 15.

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.77	2.4	3.2	3.1	3.3	4.0	3.1	3.1	1.4	0.29	0.12	0.38
2	1.0	2.3	3.1	3.1	3.4	3.9	3.4	3.1	1.5	0.27	0.13	0.46
3	1.4	1.9	3.1	3.1	3.3	3.8	3.5	3.0	1.6	0.32	0.08	0.55
4	1.5	2.2	3.0	3.1	3.3	3.9	3.6	2.2	1.6	0.34	0.04	0.72
5	1.6	2.4	3.0	3.1	3.3	3.8	3.7	2.9	1.5	0.30	0.03	0.91
6	1.6	2.5	3.0	3.1	3.2	3.7	3.6	2.9	1.5	0.29	0.03	1.0
7	1.8	2.6	3.1	3.1	3.2	3.7	3.7	3.1	1.5	0.23	0.03	1.0
8	1.7	3.2	3.0	3.1	3.2	3.7	3.6	3.2	1.3	0.28	0.03	1.1
9	1.7	3.5	3.0	3.2	3.2	3.8	3.5	3.2	1.3	0.31	0.03	1.1
10	1.6	3.5	3.0	3.5	3.2	3.9	3.5	3.2	1.3	0.33	0.03	1.0
11	1.6	3.0	3.0	3.6	3.2	3.9	3.5	2.8	1.3	0.34	0.02	1.0
12	1.7	3.0	3.0	3.4	3.4	3.9	3.5	3.0	1.3	0.34	0.02	0.95
13	1.6	3.0	2.9	3.3	4.0	3.7	3.3	3.0	1.3	0.27	0.02	0.86
14	1.5	2.9	2.9	3.2	3.8	3.7	3.6	2.9	1.2	0.18	0.01	0.63
15	1.5	2.9	2.9	3.2	3.7	3.8	4.0	2.8	0.85	0.14	0.01	0.44
16	1.6	2.8	3.0	3.2	3.8	4.9	3.8	2.8	0.64	0.12	0.02	0.29
17	1.6	3.1	3.1	3.1	3.7	7.1	3.8	2.5	0.71	0.09	0.02	0.31
18	1.7	3.4	3.0	3.1	3.5	6.4	3.8	1.9	0.84	0.09	0.03	0.39
19	1.5	3.2	3.0	3.2	3.5	5.0	3.6	2.1	0.90	0.07	0.05	0.58
20	1.6	3.1	3.0	3.3	3.5	4.7	2.9	2.1	0.89	0.04	0.05	0.64
21	2.1	3.1	3.0	3.3	3.5	4.4	3.2	2.2	0.89	0.02	0.08	0.47
22	2.3	3.1	3.0	3.3	3.5	4.1	3.4	2.2	0.90	0.01	0.30	0.43
23	2.4	3.1	3.0	3.3	3.5	3.8	3.7	2.3	0.91	e0.01	0.16	0.45
24	2.4	3.1	3.0	3.3	3.6	4.0	3.6	2.3	1.0	0.01	0.15	0.49
25	2.4	3.1	3.0	3.3	4.0	4.0	3.6	1.9	1.00	0.03	0.22	0.52
26	2.4	3.0	3.0	3.2	3.9	4.0	3.6	1.9	1.00	0.04	0.37	0.54
27	2.8	3.0	3.0	3.3	4.1	4.0	3.4	2.0	0.97	0.04	0.54	0.55
28	2.6	3.0	3.1	3.3	4.0	4.0	3.5	1.9	0.85	0.05	0.63	0.51
29	2.6	3.0	3.2	3.2	---	3.8	3.2	1.9	0.54	0.08	0.74	0.46
30	2.5	3.1	3.1	3.3	---	3.1	3.1	1.9	0.37	0.10	0.64	0.50
31	2.4	---	3.1	3.3	---	2.8	---	2.0	---	0.11	0.34	---
TOTAL	57.47	87.5	93.8	100.2	98.8	127.3	105.3	78.3	32.86	5.14	4.97	19.23
MEAN	1.85	2.92	3.03	3.23	3.53	4.11	3.51	2.53	1.10	0.17	0.16	0.64
MAX	2.8	3.5	3.2	3.6	4.1	7.1	4.0	3.2	1.6	0.34	0.74	1.1
MIN	0.77	1.9	2.9	3.1	3.2	2.8	2.9	1.9	0.37	0.01	0.01	0.29
AC-FT	114	174	186	199	196	252	209	155	65	10	9.9	38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1992 - 2003, BY WATER YEAR (WY)

MEAN	2.74	3.67	4.23	10.8	26.4	36.1	16.9	5.21	2.33	0.93	2.12	1.64
MAX	7.75	6.66	9.59	55.2	115	128	97.6	14.6	5.44	2.86	14.0	5.82
(WY)	(2001)	(2001)	(1995)	(1993)	(1993)	(1993)	(1998)	(1998)	(1995)	(1998)	(2000)	(1997)
MIN	1.37	2.60	2.43	3.12	3.10	2.98	2.95	2.18	0.65	0.15	0.16	0.56
(WY)	(2002)	(1997)	(1992)	(2002)	(2002)	(2002)	(2002)	(1996)	(1996)	(1997)	(2003)	(2001)

09413900 BEAVER DAM WASH NEAR ENTERPRISE, UT—Continued

SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR		FOR 2003 WATER YEAR		WATER YEARS 1992 - 2003	
ANNUAL TOTAL	746.65		810.87			
ANNUAL MEAN	2.05		2.22		9.32	
HIGHEST ANNUAL MEAN					29.0	1993
LOWEST ANNUAL MEAN					2.00	2002
HIGHEST DAILY MEAN	3.6	Apr 28	7.1	Mar 17	1,140	Feb 24, 1998
LOWEST DAILY MEAN	0.01	Aug 28	0.01	Jul 22	0.00	Aug 8, 1994
ANNUAL SEVEN-DAY MINIMUM	0.02	Aug 27	0.02	Aug 11	0.02	Aug 11, 2003
ANNUAL RUNOFF (AC-FT)	1,480		1,610		6,750	
10 PERCENT EXCEEDS	3.1		3.7		12	
50 PERCENT EXCEEDS	2.7		2.9		3.2	
90 PERCENT EXCEEDS	0.34		0.13		0.48	

e Estimated