

09330000 FREMONT RIVER NEAR BICKNELL, UT

Dirty Devil River Basin

LOCATION.--Lat 38°18'25", long 111°31'05" referenced to North American Datum of 1927, in SW ¼ NE ¼ NW ¼ 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.

DRAINAGE AREA.--751 mi².

WATER-DISCHARGE RECORDS

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. Crest-stage gage since September 10, 2003. 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 downstream. 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 prior to 1976 at different datums.

REMARKS.--Records good except for periods of heavy aquatic growth in the channel from July 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 ft³/s, Apr 4, 1942, gage height, 5.8 ft, site and datum in use, from floodmarks and rating curve extended above 700 ft³/s, maximum gage height, 7.59 ft Apr 24, 1998; minimum observed discharge, 18 ft³/s, Jun 2, 4, 13, 14, 15, 17, 18, 1912.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 528 ft³/s, Apr 18, gage height, 6.63 ft; minimum daily discharge, 50 ft³/s, Jul 3, 10, 11, 12, 29.

09330000 FREMONT RIVER NEAR BICKNELL, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	65	71	63	79	81	84	73	71	59	52	53	64
2	68	71	66	81	80	82	75	71	57	51	62	66
3	64	74	67	81	80	87	72	79	82	50	80	72
4	62	74	67	83	80	86	77	71	69	52	72	91
5	62	73	68	82	81	85	80	69	60	53	65	120
6	62	72	72	e78	82	84	74	72	67	52	63	93
7	63	74	74	e68	83	83	75	71	74	51	62	79
8	64	111	77	82	80	83	128	67	68	51	57	75
9	64	98	e80	91	78	82	116	65	62	51	57	79
10	64	80	83	100	80	82	84	62	61	50	60	83
11	66	77	e83	104	82	83	74	63	62	50	59	78
12	66	76	84	97	86	100	73	63	63	50	58	75
13	65	83	84	e85	85	165	73	65	59	51	57	75
14	65	80	e84	78	85	134	96	64	56	52	68	74
15	65	76	e82	79	85	94	148	62	55	52	65	74
16	64	77	e80	81	85	83	204	60	53	52	63	74
17	64	77	e78	82	83	81	331	66	52	53	63	73
18	64	77	81	82	83	80	421	61	51	51	60	73
19	64	76	82	83	83	80	371	59	51	51	61	72
20	65	77	83	83	82	84	192	59	52	51	61	71
21	80	77	84	83	82	81	78	58	53	52	62	71
22	88	83	e75	82	86	80	69	65	55	54	64	71
23	75	83	e65	82	92	82	67	69	70	57	65	72
24	73	78	e55	81	90	80	83	79	62	56	66	72
25	71	83	72	82	86	81	88	84	61	57	65	69
26	70	83	74	83	84	78	77	83	57	60	63	69
27	72	79	77	84	83	79	69	73	53	53	64	71
28	81	e72	80	83	82	78	68	70	54	51	65	76
29	74	e60	82	85	---	75	66	64	53	50	65	78
30	73	e52	80	84	---	75	65	65	53	51	64	74
31	73	---	81	82	---	71	---	64	---	51	62	---
Total	2,116	2,324	2,363	2,590	2,329	2,682	3,567	2,094	1,784	1,618	1,951	2,284
Mean	68.3	77.5	76.2	83.5	83.2	86.5	119	67.5	59.5	52.2	62.9	76.1
Max	88	111	84	104	92	165	421	84	82	60	80	120
Min	62	52	55	68	78	71	65	58	51	50	53	64
Ac-ft	4,200	4,610	4,690	5,140	4,620	5,320	7,080	4,150	3,540	3,210	3,870	4,530

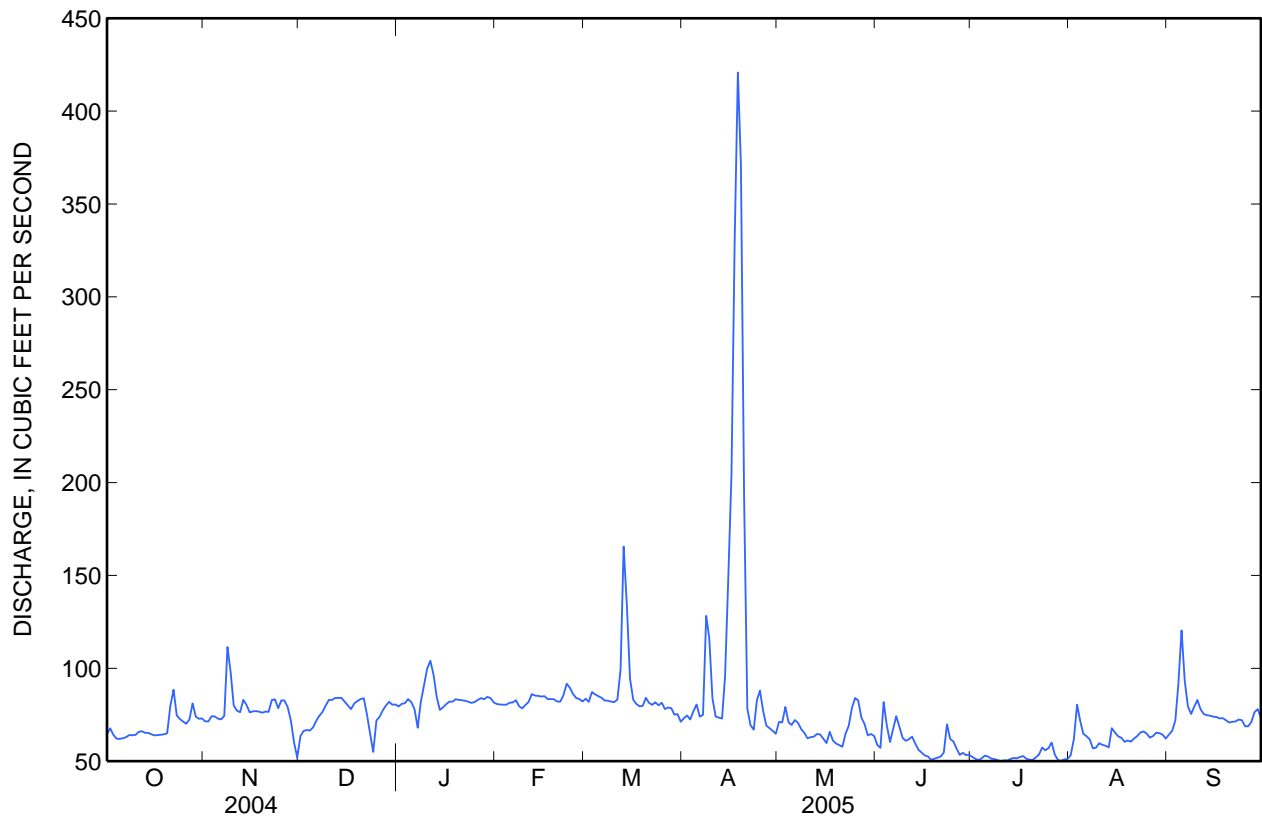
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1977 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	84.4	89.9	86.0	88.5	95.1	110	118	85.0	69.9	66.9	73.3	76.3
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

	Calendar Year 2004		Water Year 2005		Water Years 1977 - 2005	
Annual total	25,625		27,702			
Annual mean	70.0		75.9		86.8	
Highest annual mean					138	1985
Lowest annual mean					60.2	1980
Highest daily mean	111	Nov 8	421	Apr 18	965	Mar 21, 1997
Lowest daily mean	52	Nov 30	50	Jul 3	34	Jul 31, 1986
Annual seven-day minimum	54	Jun 5	51	Jul 7	38	Jul 29, 1986
Annual runoff (ac-ft)	50,830		54,950		62,920	
10 percent exceeds	84		85		113	
50 percent exceeds	70		73		81	
90 percent exceeds	57		53		56	





Water-Data Report UT-2005

09330230 FREMONT RIVER NEAR CAINEVILLE, UT

Dirty Devil River Basin

LOCATION.--Lat 38°16'45", long 111°03'54" referenced to North American Datum of 1927, in NE ¼ NE ¼ NE ¼ 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 mi²,

WATER-DISCHARGE RECORDS

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 topographic map. Prior to May 16, 1996 at site 500 ft upstream at datum 6.0 ft higher.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,800 ft³/s, Jul 24, 1984, gage height, 10.20 ft, from rating curve extended above 640 ft³/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 ft³/s, Jun 29, 1994.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jul 25	2000	554	7.46
Aug 02	2030	697	7.85
Sep 04	1815	1,130	8.82
Sep 09	1745	*1,780	*9.93

Minimum daily discharge, 13 ft³/s, Jul 20, 21.

09330230 FREMONT RIVER NEAR CAINEVILLE, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	47	73	63	74	90	88	79	e45	52	40	53	37
2	49	70	65	72	88	88	81	e52	51	27	90	41
3	49	74	e66	75	88	89	81	e54	100	41	e85	61
4	44	74	e67	81	88	91	79	e52	e70	26	e80	145
5	55	74	e68	78	89	89	84	e47	e55	29	e72	99
6	48	73	70	74	89	90	84	e46	e60	e28	e70	80
7	42	73	74	59	91	90	78	e49	e68	e28	e68	64
8	45	138	76	77	88	91	81	e45	e62	e28	e63	61
9	47	139	76	95	84	91	119	e40	65	e27	e63	277
10	48	85	79	110	88	91	96	e35	73	e27	e65	74
11	49	74	79	153	90	90	79	e32	70	e27	62	62
12	50	91	77	114	91	92	75	e32	74	e27	62	58
13	51	99	78	77	95	117	74	e31	71	e28	63	55
14	48	81	77	90	94	138	67	e32	66	e28	61	54
15	49	74	75	91	95	104	97	e36	67	e28	58	52
16	51	72	74	90	95	93	129	e35	71	e28	56	54
17	50	71	69	90	94	88	170	e30	71	e29	52	54
18	50	71	76	91	92	86	247	e35	71	e27	50	54
19	48	70	76	91	93	84	303	e32	72	15	50	55
20	50	72	77	92	92	88	241	e31	73	13	50	51
21	65	75	74	92	89	88	107	e30	71	13	48	46
22	89	83	67	91	94	85	e61	e34	72	19	49	47
23	77	83	59	91	132	88	e54	e40	76	27	50	45
24	69	76	46	91	108	86	57	e50	90	33	46	48
25	71	76	59	91	97	87	e68	e54	78	94	48	49
26	68	80	e60	94	92	85	e70	e52	75	81	48	49
27	68	74	e65	97	89	84	e51	50	58	48	46	50
28	77	73	81	94	88	85	e49	50	42	46	49	55
29	76	58	79	94	---	83	e48	47	46	46	44	54
30	72	52	76	94	---	82	e45	52	42	49	41	51
31	72	---	77	91	---	79	---	51	---	52	38	---
Total	1,774	2,378	2,205	2,794	2,603	2,810	2,954	1,301	2,012	1,059	1,780	1,982
Mean	57.2	79.3	71.1	90.1	93.0	90.6	98.5	42.0	67.1	34.2	57.4	66.1
Max	89	139	81	153	132	138	303	54	100	94	90	277
Min	42	52	46	59	84	79	45	30	42	13	38	37
Ac-ft	3,520	4,720	4,370	5,540	5,160	5,570	5,860	2,580	3,990	2,100	3,530	3,930

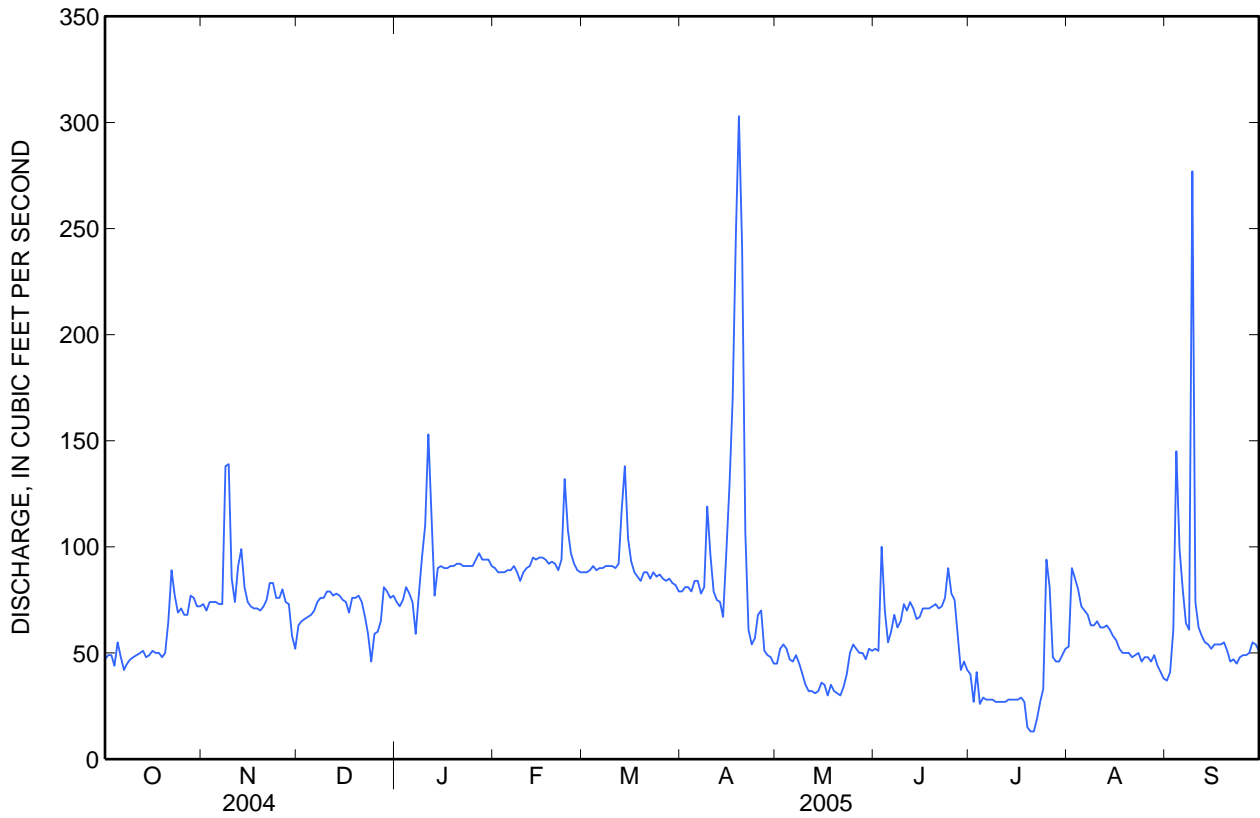
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1968 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	68.6	87.0	88.5	91.5	97.2	106	94.2	60.2	41.8	44.7	57.4	58.7
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

	Calendar Year 2004		Water Year 2005		Water Years 1968 - 2005	
Annual total	20,728		25,652			
Annual mean	56.6		70.3		74.5	
Highest annual mean					133	1985
Lowest annual mean					56.6	1978
Highest daily mean	206	Jul 18	303	Apr 19	1,200	Jul 19, 1985
Lowest daily mean	15	Jul 6	13	Jul 20	12	Jun 27, 1980
Annual seven-day minimum	17	Jul 5	20	Jul 17	13	Jun 9, 1981
Annual runoff (ac-ft)	41,110		50,880		54,010	
10 percent exceeds	88		94		108	
50 percent exceeds	58		71		74	
90 percent exceeds	25		38		29	





Water-Data Report UT-2005

09330500 MUDDY CREEK NEAR EMERY, UT

Dirty Devil River Basin

LOCATION.--Lat 38°58'55", long 111°14'55" referenced to North American Datum of 1927, in NE ¼ NW ¼ NE ¼ 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 mi².

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WSP 1633: Drainage area.

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

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 good 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 ft³/s, May 10, 1952, gage height, 11.14 ft, present datum from rating curve extended above 400 ft³/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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Jun 03	0330	578	4.56
Aug 05	1615	*581	*4.68

Minimum daily discharge, 7.0 ft³/s, Nov 30.

09330500 MUDDY CREEK NEAR EMERY, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	18	e10	e7.4	e9.5	e9.8	e9.8	13	52	349	253	55	48
2	18	e12	e7.4	e9.5	e9.4	e9.6	16	50	380	237	58	46
3	18	15	e7.3	e9.5	e9.4	9.4	21	52	456	224	63	50
4	17	14	e7.6	e9.8	e9.4	9.6	20	61	399	209	58	48
5	17	14	e7.8	e9.8	e8.9	9.9	16	79	384	197	76	48
6	17	12	e8.3	e9.0	e8.9	10	22	79	371	185	53	50
7	16	12	e8.7	e8.4	e9.9	11	29	71	362	174	51	49
8	16	17	e9.6	e8.6	e9.7	11	28	70	349	166	51	49
9	13	16	e9.6	e8.8	e9.5	11	19	87	345	156	54	52
10	12	13	e9.9	e9.6	e9.2	14	17	86	344	148	57	49
11	12	14	e10	e9.9	e9.2	15	16	71	366	140	52	47
12	12	14	e9.6	e9.6	e9.2	17	21	67	389	133	48	46
13	12	13	e9.9	e8.5	e9.2	16	29	68	375	128	46	45
14	12	11	e9.9	e8.3	e10	11	34	85	369	122	47	44
15	12	9.9	e9.9	e8.5	11	9.9	38	108	374	118	58	43
16	11	12	e9.6	e8.9	10	12	48	132	372	111	58	42
17	12	11	e9.6	e9.1	10	12	58	129	377	107	57	39
18	12	e9.6	e9.0	e9.1	11	11	53	121	381	102	54	27
19	13	e8.8	e9.0	e9.1	9.8	11	40	165	385	98	54	26
20	14	e8.4	e9.0	e9.4	9.8	11	27	215	380	95	53	26
21	23	e8.7	e9.6	e9.9	11	10	25	266	376	99	52	28
22	16	e8.6	e9.0	e9.0	10	11	30	310	377	92	54	27
23	11	e8.6	e9.0	e9.0	9.8	12	35	361	373	86	56	26
24	13	e8.4	e8.6	e9.0	e9.8	11	55	398	375	86	62	26
25	14	e8.9	e8.4	e8.8	e9.8	12	43	418	369	82	61	25
26	13	e8.7	e9.2	e8.7	e9.8	11	40	373	355	77	60	25
27	14	e8.5	e9.2	e9.1	e9.8	12	54	364	338	72	61	27
28	16	e8.5	e9.8	e8.6	e9.8	14	53	365	322	68	59	37
29	12	e7.8	e9.8	e8.8	---	13	49	376	289	64	58	26
30	11	e7.0	e9.8	e9.4	---	12	44	378	266	60	56	25
31	12	---	e9.5	e10	---	12	---	361	---	58	51	---
Total	439	330.4	281.0	283.2	273.1	361.2	993	5,818	10,947	3,947	1,733	1,146
Mean	14.2	11.0	9.06	9.14	9.75	11.7	33.1	188	365	127	55.9	38.2
Max	23	17	10	10	11	17	58	418	456	253	76	52
Min	11	7.0	7.3	8.3	8.9	9.4	13	50	266	58	46	25
Ac-ft	871	655	557	562	542	716	1,970	11,540	21,710	7,830	3,440	2,270

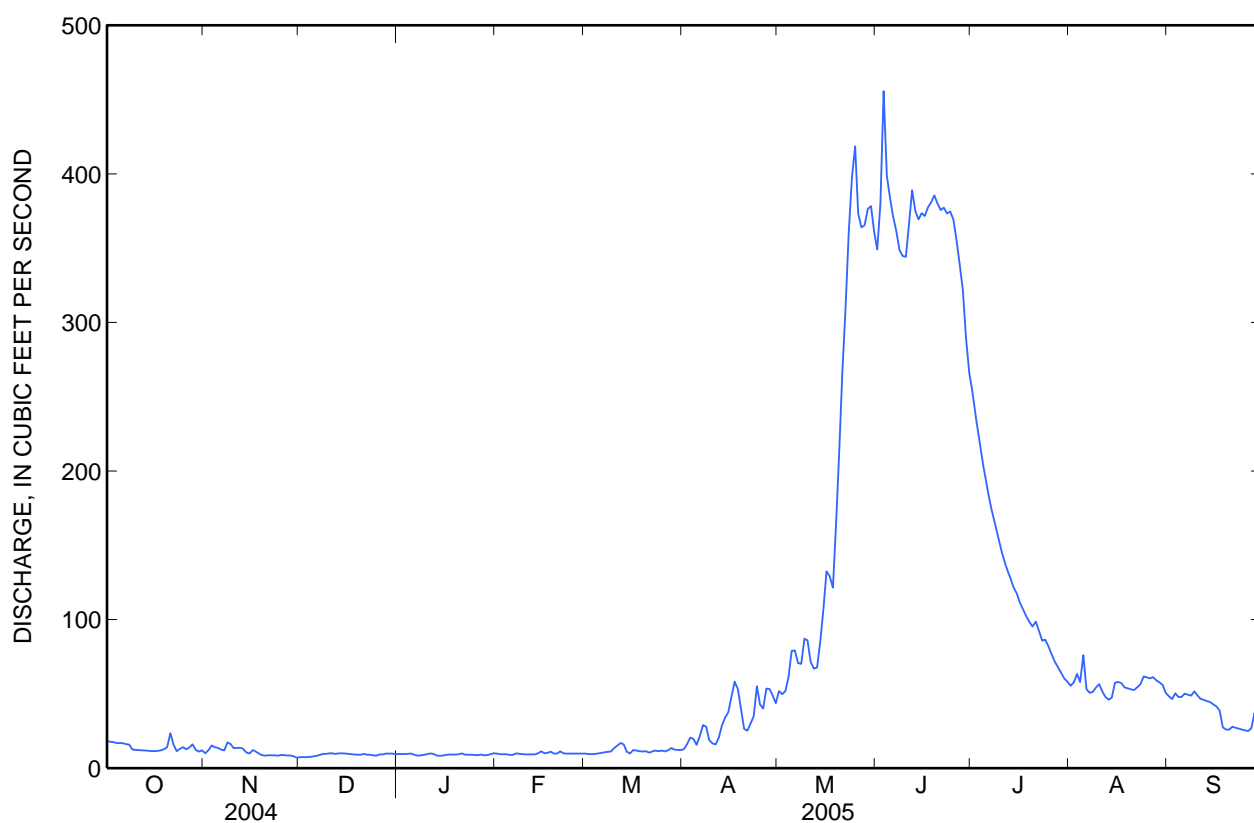
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1911-13, 1950-2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	17.9	11.9	9.27	8.29	8.80	12.7	32.2	105	127	69.7	40.7	26.0
Max	60.9	34.8	22.6	22.0	24.6	37.7	112	306	365	239	104	59.7
(WY)	(1985)	(1985)	(1985)	(1998)	(1998)	(1911)	(1985)	(1952)	(2005)	(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

	Calendar Year 2004		Water Year 2005		Water Years 1911-13, 1950-2005	
Annual total	12,983.9		26,551.9			
Annual mean	35.5		72.7		38.9	
Highest annual mean					86.1	1983
Lowest annual mean					9.40	1977
Highest daily mean	134	Jun 10	456	Jun 3	664	Aug 11, 1995
Lowest daily mean	4.1	Jan 5	7.0	Nov 30	0.00	Apr 13, 1911
Annual seven-day minimum	4.5	Jan 3	7.5	Nov 29	1.0	Apr 10, 1911
Annual runoff (ac-ft)	25,750		52,670		28,160	
10 percent exceeds	107		328		99	
50 percent exceeds	19		17		17	
90 percent exceeds	7.0		9.0		7.0	



09332100 MUDDY CREEK BELOW I-70 NEAR EMERY, UT

Dirty Devil River Basin

LOCATION.--Lat 38°48'45.3", long 111°12'00.9" referenced to North American Datum of 1983, in SW ¼ NE ¼ SW ¼ sec.13, T.23 S., R.6 E., Emery County, Hydrologic Unit 14070002, on left bank 100 ft downstream of Interstate 70 and 8 mi southeast of Emery.

DRAINAGE AREA.--418 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1973 to September 1986, October 2004 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,630 ft above NGVD of 1929, from topographic map. Prior to October 2004, at site 0.25 mi downstream at different datum.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,400 ft³/s, Sep 5, 1981, from slope-area measurement, gage height, 11.25 ft from floodmark; no flow several days in 1977.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 614 ft³/s, Jun 3, from slope-area measurement, gage height, 4.60 ft from floodmark; minimum daily discharge, 1.6 ft³/s, Jul 29, 30.

09332100 MUDDY CREEK BELOW I-70 NEAR EMERY, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	4.3	9.5	e8.0	e15	19	21	23	17	147	108	e3.0	2.3
2	3.9	69	e8.0	e14	18	16	29	25	152	97	4.5	3.2
3	5.4	12	e8.0	e15	15	19	33	18	355	67	11	3.0
4	5.8	13	e9.0	e16	16	16	34	22	339	58	6.9	2.5
5	5.9	14	e10	e16	16	16	32	26	287	54	5.0	2.5
6	8.1	14	e11	e14	17	18	30	38	252	41	19	2.2
7	8.1	12	e12	e11	22	21	35	30	186	37	12	2.5
8	8.4	14	e14	e11	16	23	41	30	184	34	11	2.4
9	9.5	102	e16	e15	e15	22	36	38	178	27	15	3.6
10	9.9	23	e18	18	14	24	28	41	181	28	15	5.1
11	10	16	e17	26	16	24	23	28	172	22	12	4.2
12	11	17	e15	21	19	23	23	33	203	19	7.9	4.2
13	8.7	26	e16	e13	22	25	31	14	184	14	3.9	5.5
14	8.5	18	e16	e12	26	22	35	17	160	12	7.1	7.0
15	8.6	e15	e15	e13	33	e20	35	25	143	e8.9	6.5	6.0
16	8.4	14	e15	e13	27	19	39	70	e146	8.9	6.5	5.3
17	8.6	14	e14	20	20	21	43	113	e145	9.4	7.7	5.1
18	8.9	14	e14	14	18	20	46	69	148	9.8	9.4	4.8
19	8.8	13	e13	16	23	18	37	90	146	e8.6	7.2	4.4
20	8.7	15	e13	20	22	23	19	132	144	e4.5	8.3	4.3
21	15	14	e14	23	19	19	13	166	144	e4.2	3.6	e5.3
22	19	e17	e13	27	25	18	11	155	145	e5.0	8.7	6.4
23	10	e14	e11	29	27	19	13	181	150	2.9	5.4	6.2
24	15	e12	e10	29	23	22	27	190	151	5.5	4.8	11
25	11	15	e10	28	20	21	36	201	159	3.2	8.7	9.2
26	9.3	18	e12	32	19	19	20	191	156	2.9	4.1	8.7
27	10	15	e12	49	19	20	23	166	134	e2.5	3.8	7.7
28	16	e13	e14	45	18	27	26	164	121	e2.7	5.2	9.7
29	e13	e10	e16	37	---	24	24	172	123	e1.6	3.8	14
30	10	e7.0	e15	27	---	21	17	192	120	e1.6	3.1	8.2
31	10	---	e14	20	---	15	---	166	---	e2.0	2.3	---
Total	297.8	579.5	403.0	659	564	636	862	2,820	5,255	702.2	232.4	166.5
Mean	9.61	19.3	13.0	21.3	20.1	20.5	28.7	91.0	175	22.7	7.50	5.55
Max	19	102	18	49	33	27	46	201	355	108	19	14
Min	3.9	7.0	8.0	11	14	15	11	14	120	1.6	2.3	2.2
Ac-ft	591	1,150	799	1,310	1,120	1,260	1,710	5,590	10,420	1,390	461	330

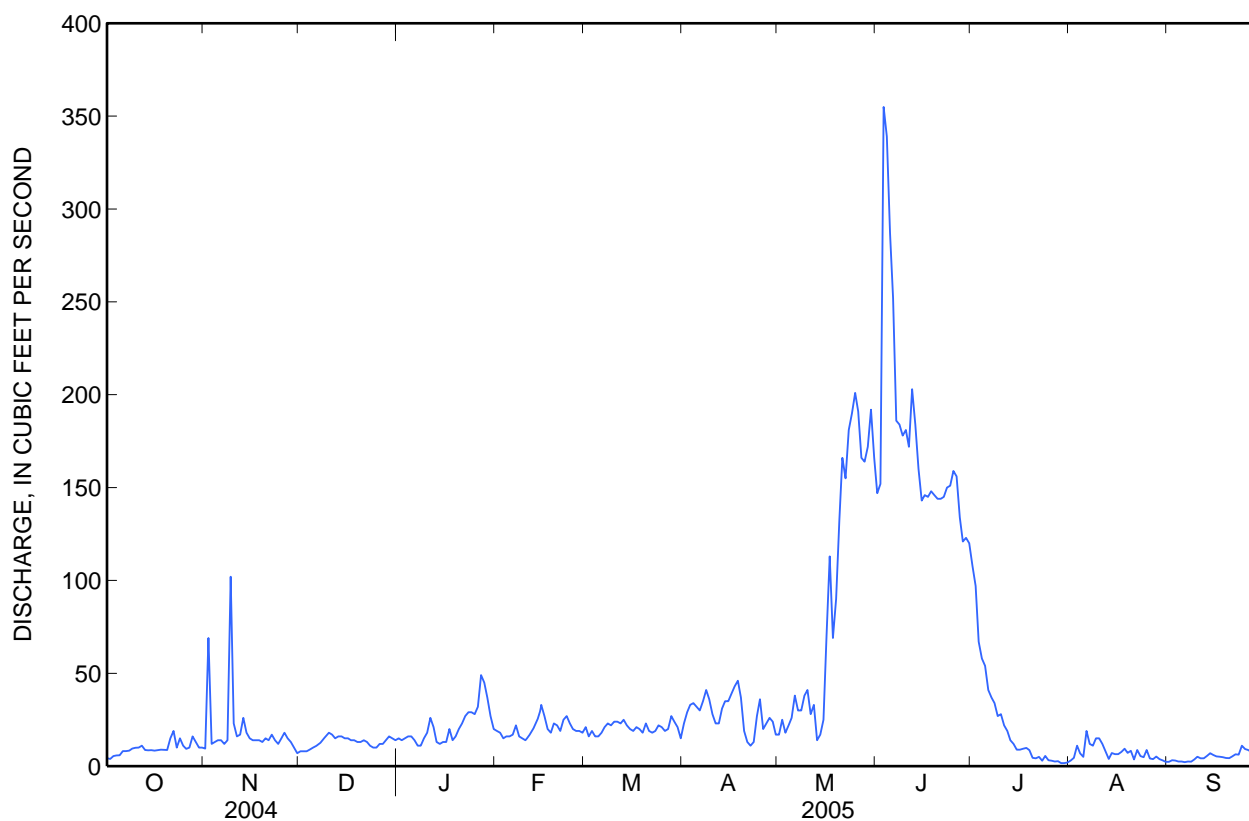
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973-86, 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	17.7	13.9	12.2	12.9	16.7	21.2	33.2	92.7	101	36.2	15.6	11.9
Max	92.3	44.3	27.9	21.7	32.1	39.2	131	265	307	158	80.1	41.5
(WY)	(1985)	(1985)	(1985)	(1984)	(1986)	(1985)	(1985)	(1984)	(1983)	(1983)	(1983)	(1981)
Min	1.40	1.55	3.15	3.50	3.02	4.34	2.55	2.55	1.64	3.56	1.17	1.64
(WY)	(1977)	(1978)	(1977)	(1977)	(1981)	(1977)	(1977)	(1977)	(1977)	(1976)	(1976)	(1979)

09332100 MUDDY CREEK BELOW I-70 NEAR EMERY, UT—Continued

SUMMARY STATISTICS

	Water Year 2005		Water Years 1973-86, 2005	
Annual total	13,177.4			
Annual mean	36.1		32.1	
Highest annual mean			81.6	1984
Lowest annual mean			3.83	1977
Highest daily mean	355	Jun 3	650	May 25, 1983
Lowest daily mean	1.6	Jul 29	0.00	Jun 16, 1977
Annual seven-day minimum	2.3	Jul 26	0.00	Jun 16, 1977
Annual runoff (ac-ft)	26,140		23,280	
10 percent exceeds	143		81	
50 percent exceeds	16		13	
90 percent exceeds	4.9		2.1	



09332100 MUDDY CREEK BELOW I-70 NEAR EMERY, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 13, 2004 to September 2005.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 13, 2004 to September 2005.

INSTRUMENTATION.--Water-quality monitor from October 13, 2004 to September 2005.

REMARKS.--Specific conductance record from October 13, 2004 to April 8, 2005 is rated good. Subsequent record is fair to poor because of fouling.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 7,000 microsiemens/cm, Aug 5, 2005; minimum, 375 microsiemens/cm, May 17, 2005.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 7,000 microsiemens/cm, Aug 5; minimum, 375 microsiemens/cm, May 17.

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	2,700	2,280	2,530	2,070	1,680	1,870	1,590	910	1,320
2	---	---	---	2,890	2,070	2,490	2,010	1,650	1,880	1,640	1,100	1,460
3	---	---	---	2,810	2,110	2,430	1,820	1,670	1,740	1,670	1,450	1,560
4	---	---	---	2,520	1,710	2,100	1,820	1,560	1,700	1,670	1,420	1,550
5	---	---	---	2,330	1,630	2,010	1,930	1,640	1,800	1,610	1,180	1,490
6	---	---	---	2,240	1,570	1,920	1,910	1,580	1,730	1,620	1,440	1,530
7	---	---	---	2,360	1,720	2,020	1,630	1,350	1,460	1,970	1,150	1,600
8	---	---	---	2,280	1,810	2,030	1,550	1,360	1,450	1,600	1,150	1,300
9	---	---	---	2,720	1,660	2,120	1,520	1,100	1,400	1,730	1,480	1,610
10	---	---	---	3,510	1,770	2,600	1,650	1,370	1,520	1,600	881	1,150
11	---	---	---	1,830	1,510	1,690	1,760	1,530	1,630	964	823	906
12	---	---	---	1,690	1,440	1,550	1,660	1,540	1,590	1,730	875	1,200
13	---	---	---	2,210	1,490	1,870	1,630	1,500	1,570	2,210	1,210	1,680
14	2,010	1,550	1,770	2,010	1,600	1,820	1,640	1,470	1,570	---	---	---
15	1,990	1,540	1,750	---	---	---	1,630	1,460	1,550	---	---	---
16	1,930	1,530	1,730	1,660	1,360	1,530	1,620	1,480	1,550	---	---	---
17	1,920	1,570	1,770	1,640	1,350	1,490	1,600	1,480	1,540	1,530	1,380	1,440
18	1,960	1,590	1,780	1,650	1,400	1,510	1,590	1,440	1,520	1,680	1,530	1,620
19	1,930	1,610	1,780	1,650	1,390	1,530	1,580	1,390	1,510	1,760	1,530	1,660
20	1,910	1,560	1,760	1,700	1,460	1,570	1,700	1,370	1,530	---	---	---
21	1,940	1,390	1,730	1,560	1,410	1,490	1,600	1,340	1,470	---	---	---
22	3,800	1,650	2,670	---	---	---	1,690	1,460	1,610	---	---	---
23	3,800	1,820	2,610	---	---	---	1,710	1,420	1,520	---	---	---
24	2,420	1,730	2,090	---	---	---	1,780	1,460	1,640	---	---	---
25	2,080	1,830	1,950	1,750	1,450	1,590	1,590	1,400	1,500	---	---	---
26	2,310	1,870	2,100	1,730	1,370	1,520	1,460	1,180	1,360	---	---	---
27	2,320	1,750	2,080	1,860	1,340	1,530	1,420	1,260	1,360	---	---	---
28	2,660	1,950	2,280	1,660	1,410	1,520	1,410	1,220	1,320	---	---	---
29	---	---	---	2,090	1,660	1,860	1,410	1,210	1,310	---	---	---
30	2,530	1,880	2,220	2,020	1,770	1,890	1,460	1,310	1,390	---	---	---
31	2,410	1,880	2,170	---	---	---	1,480	1,260	1,410	---	---	---
Month	3,800	1,390	2,010	3,510	1,340	1,850	2,070	1,100	1,550	2,210	823	1,440

09332100 MUDDY CREEK BELOW I-70 NEAR EMERY, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	2,200	1,590	1,910	1,800	1,140	1,350	747	729	736
2	---	---	---	1,940	1,590	1,810	1,590	1,050	1,200	764	747	752
3	---	---	---	2,000	1,600	1,810	1,900	1,150	1,250	805	764	779
4	---	---	---	1,950	1,630	1,790	1,410	946	1,130	838	805	820
5	---	---	---	2,080	1,620	1,800	1,220	1,070	1,150	835	813	820
6	---	---	---	1,930	1,610	1,760	1,340	1,050	1,210	822	700	775
7	---	---	---	1,960	1,530	1,700	1,240	856	1,060	705	692	698
8	---	---	---	1,860	1,430	1,610	1,080	765	918	708	696	704
9	---	---	---	1,920	1,400	1,560	901	777	857	701	608	660
10	2,430	1,380	1,760	1,930	1,390	1,530	1,060	901	983	622	529	573
11	1,840	1,460	1,680	1,790	1,310	1,480	1,160	1,020	1,070	566	536	547
12	1,960	1,560	1,680	1,700	1,350	1,470	1,090	946	1,030	589	565	580
13	2,160	1,610	1,790	1,450	1,250	1,350	1,030	829	946	595	560	569
14	2,110	1,560	1,770	1,560	1,280	1,380	894	763	829	706	595	654
15	1,970	1,500	1,660	1,870	1,470	1,610	820	694	756	704	674	695
16	2,000	1,410	1,620	1,820	1,340	1,570	779	649	705	868	542	638
17	1,910	1,750	1,830	1,640	1,250	1,480	706	618	661	612	375	548
18	2,040	1,830	1,900	1,600	1,330	1,470	674	585	630	701	565	605
19	2,060	1,730	1,850	1,600	1,410	1,510	742	629	698	704	523	594
20	2,020	1,870	1,940	1,580	1,400	1,460	791	597	673	780	462	563
21	2,160	1,700	1,890	1,660	1,540	1,590	599	583	592	588	492	537
22	2,210	1,650	1,870	1,710	1,430	1,570	592	586	589	622	481	521
23	2,510	1,880	2,190	1,850	1,430	1,640	609	589	597	584	506	546
24	2,830	2,290	2,540	1,590	1,440	1,490	684	606	647	615	551	585
25	2,680	1,900	2,120	1,550	1,410	1,480	688	637	655	631	580	596
26	2,250	1,700	1,960	1,570	1,360	1,470	726	644	682	637	545	588
27	2,250	1,670	1,910	1,820	1,320	1,540	766	725	746	787	579	653
28	2,230	1,640	1,930	1,700	1,250	1,470	746	730	734	717	603	633
29	---	---	---	1,510	1,320	1,400	736	721	726	656	559	603
30	---	---	---	1,560	1,310	1,400	729	719	724	642	580	597
31	---	---	---	1,580	1,390	1,480	---	---	---	603	581	591
Month	2,830	1,380	1,890	2,200	1,250	1,570	1,900	583	860	868	375	637

09332100 MUDDY CREEK BELOW I-70 NEAR EMERY, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	594	562	579	753	737	746	---	---	---	2,020	1,870	1,930
2	771	558	608	819	735	753	---	---	---	2,290	1,700	1,990
3	1,890	771	1,360	999	731	867	---	---	---	2,440	1,960	2,220
4	1,170	753	875	964	888	934	1,950	1,540	1,740	2,900	2,020	2,290
5	753	616	662	1,020	915	936	7,000	1,540	2,080	2,630	2,290	2,400
6	690	640	658	1,110	1,020	1,060	2,790	1,580	1,850	2,920	2,620	2,740
7	691	654	674	1,120	1,040	1,060	2,000	1,380	1,500	3,020	2,310	2,610
8	708	669	691	1,360	1,070	1,130	1,790	1,460	1,630	3,090	2,130	2,330
9	716	660	698	1,120	1,080	1,110	1,890	1,300	1,500	4,900	2,130	2,580
10	798	653	722	1,190	1,080	1,130	1,970	1,480	1,660	2,300	1,760	1,990
11	826	699	723	1,340	1,090	1,210	1,610	1,360	1,480	2,400	1,950	2,190
12	848	771	803	1,380	1,300	1,340	1,990	1,610	1,770	2,820	1,840	2,240
13	771	722	734	1,770	1,380	1,530	1,970	1,820	1,880	2,890	1,890	2,300
14	726	682	697	1,920	1,770	1,870	1,970	1,480	1,670	2,660	1,690	2,180
15	715	682	702	2,350	1,890	2,160	1,900	1,450	1,680	2,010	1,560	1,790
16	716	694	704	2,360	1,950	2,160	1,870	1,500	1,630	2,100	1,550	1,840
17	705	674	684	1,950	1,560	1,720	3,420	1,720	2,050	2,230	1,650	2,000
18	700	635	655	1,890	1,620	1,800	2,490	1,470	1,680	2,150	1,700	1,990
19	651	616	632	1,810	1,510	1,590	1,620	1,470	1,500	2,320	1,650	1,960
20	643	618	630	1,620	1,510	1,570	1,710	1,540	1,600	2,410	1,730	2,070
21	662	610	631	2,060	1,540	1,790	1,760	1,580	1,690	3,550	1,750	2,140
22	656	625	641	2,120	1,700	1,950	3,560	1,470	1,780	2,560	1,830	2,280
23	705	652	671	1,820	1,710	1,750	1,830	1,430	1,510	2,420	2,020	2,230
24	738	691	710	1,930	1,770	1,830	2,790	1,730	2,110	2,310	1,480	1,840
25	868	676	707	1,840	1,650	1,770	4,120	1,950	2,640	2,290	1,530	1,800
26	758	701	734	2,400	1,740	1,940	---	---	---	1,920	1,560	1,760
27	725	694	708	---	---	---	---	---	---	1,920	1,580	1,790
28	727	702	716	---	---	---	---	---	---	2,140	1,600	1,960
29	772	721	754	---	---	---	---	---	---	2,880	1,790	2,250
30	752	736	744	---	---	---	---	---	---	1,920	1,740	1,850
31	---	---	---	---	---	---	2,200	1,770	1,960	---	---	---
Month	1,890	558	717	2,400	731	1,450	7,000	1,300	1,760	4,900	1,480	2,120



Water-Data Report UT-2005

09332600 MUDDY CREEK AT TOMSICH BUTTE NEAR HANKSVILLE, UT

Dirty Devil River Basin

LOCATION.--Lat 38°41'13", long 110°59'58.3" referenced to North American Datum of 1983, in SW ¼ NW ¼ NW ¼ sec.35, T.24 S., R.8 E., Emery County, Hydrologic Unit 14070002, on left bank and 0.7 mi upstream of Reds Canyon confluence.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--April 6, 2005 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 5,130 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,440 ft³/s, Jun 3, 2005, gage height, 11.64 ft from slope-area measurement; minimum daily discharge, 1.7 ft³/s, Jul 31, 2005.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,440 ft³/s, Jun 3, gage height, 11.64 ft from slope-area measurement; minimum daily discharge, 1.7 ft³/s, Jul 31.

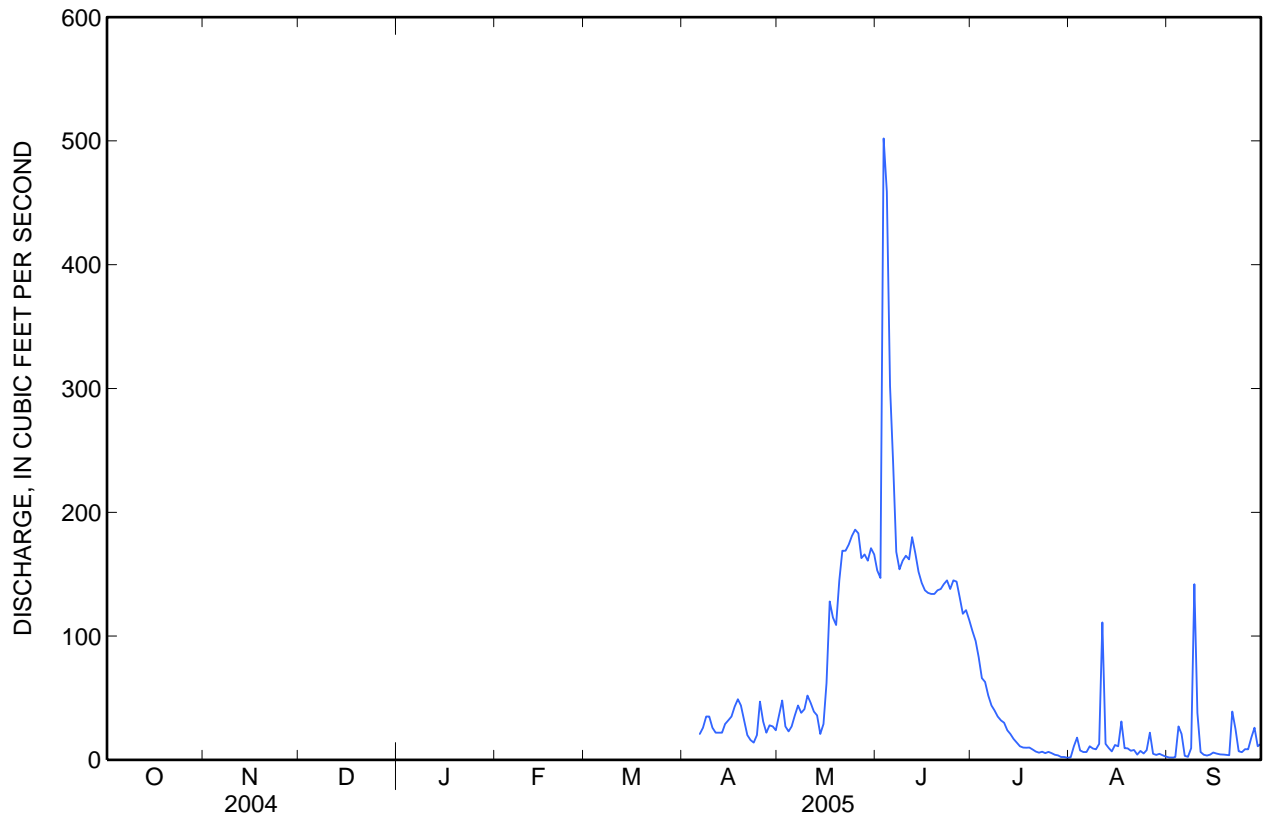
09332600 MUDDY CREEK AT TOMSICH BUTTE NEAR HANKSVILLE, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	---	---	---	---	---	---	---	36	153	104	2.1	2.1
2	---	---	---	---	---	---	---	48	147	96	11	1.8
3	---	---	---	---	---	---	---	27	e502	83	18	2.3
4	---	---	---	---	---	---	---	23	e459	66	e7.7	27
5	---	---	---	---	---	---	---	27	e302	63	6.4	21
6	---	---	---	---	---	---	21	36	e241	52	6.4	3.2
7	---	---	---	---	---	---	26	44	e168	44	11	2.5
8	---	---	---	---	---	---	35	38	e154	40	9.2	9.5
9	---	---	---	---	---	---	35	41	161	35	8.6	142
10	---	---	---	---	---	---	26	52	165	32	13	38
11	---	---	---	---	---	---	22	46	162	30	111	6.3
12	---	---	---	---	---	---	22	39	180	24	13	4.2
13	---	---	---	---	---	---	22	36	167	21	9.6	3.5
14	---	---	---	---	---	---	29	21	152	17	6.9	4.3
15	---	---	---	---	---	---	32	29	143	14	12	6.0
16	---	---	---	---	---	---	35	62	137	11	11	5.3
17	---	---	---	---	---	---	43	128	135	10	31	4.4
18	---	---	---	---	---	---	49	115	134	9.8	9.4	4.3
19	---	---	---	---	---	---	44	109	134	10	9.3	4.2
20	---	---	---	---	---	---	32	145	137	8.4	7.4	3.8
21	---	---	---	---	---	---	20	169	138	6.8	8.1	39
22	---	---	---	---	---	---	16	169	142	5.8	4.3	25
23	---	---	---	---	---	---	14	174	145	6.6	7.3	7.0
24	---	---	---	---	---	---	20	181	138	5.5	5.2	6.2
25	---	---	---	---	---	---	47	186	145	6.5	7.9	8.7
26	---	---	---	---	---	---	31	183	144	5.4	22	8.6
27	---	---	---	---	---	---	22	163	131	4.2	5.0	18
28	---	---	---	---	---	---	28	166	118	3.6	4.0	26
29	---	---	---	---	---	---	27	161	121	2.4	4.9	11
30	---	---	---	---	---	---	24	171	113	2.3	3.7	13
31	---	---	---	---	---	---	---	166	---	1.7	2.6	---
Total	---	---	---	---	---	---	---	2,991	5,268	821.0	389.0	458.2
Mean	---	---	---	---	---	---	---	96.5	176	26.5	12.5	15.3
Max	---	---	---	---	---	---	---	186	502	104	111	142
Min	---	---	---	---	---	---	---	21	113	1.7	2.1	1.8
Ac-ft	---	---	---	---	---	---	---	5,930	10,450	1,630	772	909

09332600 MUDDY CREEK AT TOMSICH BUTTE NEAR HANKSVILLE, UT—Continued



09332600 MUDDY CREEK AT TOMSICH BUTTE NEAR HANKSVILLE, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--April 6, 2005 to September 2005.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 6, 2005 to September 2005.

INSTRUMENTATION.--Water-quality monitor from April 6, 2005 to September 2005.

REMARKS.--Specific conductance record from April 6 to June 20 is rated good. Subsequent record is fair to poor because of extensive fouling corrections.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 5,470 microsiemens/cm, Sep 9, 2005; minimum, 608 microsiemens/cm, May 21, 22, 2005.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 5,470 microsiemens/cm, Sep 9; minimum, 608 microsiemens/cm, May 21, 22.

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	---	---	---	---	---	---	---	---	---	2,820	756	1,940
2	---	---	---	---	---	---	---	---	---	3,250	1,110	1,890
3	---	---	---	---	---	---	---	---	---	2,530	1,910	2,260
4	---	---	---	---	---	---	---	---	---	2,860	2,290	2,490
5	---	---	---	---	---	---	---	---	---	2,620	2,000	2,390
6	---	---	---	---	---	---	1,980	1,660	1,860	2,260	1,620	2,010
7	---	---	---	---	---	---	2,100	1,840	1,970	2,040	1,380	1,590
8	---	---	---	---	---	---	1,850	1,460	1,690	1,860	1,670	1,780
9	---	---	---	---	---	---	1,560	1,320	1,450	1,850	1,650	1,740
10	---	---	---	---	---	---	1,760	1,450	1,670	1,790	1,250	1,460
11	---	---	---	---	---	---	2,100	1,760	1,980	1,540	1,110	1,260
12	---	---	---	---	---	---	2,280	2,000	2,120	1,870	1,510	1,710
13	---	---	---	---	---	---	2,130	1,980	2,060	1,720	1,360	1,460
14	---	---	---	---	---	---	2,040	1,600	1,910	2,290	1,540	1,980
15	---	---	---	---	---	---	1,890	1,490	1,670	2,830	1,880	2,260
16	---	---	---	---	---	---	1,720	1,340	1,510	2,300	1,120	1,640
17	---	---	---	---	---	---	1,650	1,200	1,370	1,120	614	784
18	---	---	---	---	---	---	1,400	1,130	1,230	709	612	677
19	---	---	---	---	---	---	1,410	1,060	1,170	820	665	738
20	---	---	---	---	---	---	1,630	1,390	1,500	769	653	702
21	---	---	---	---	---	---	2,190	1,630	1,960	703	608	648
22	---	---	---	---	---	---	2,580	2,170	2,320	741	608	636
23	---	---	---	---	---	---	3,020	2,540	2,670	756	709	734
24	---	---	---	---	---	---	3,100	2,460	2,740	875	720	782
25	---	---	---	---	---	---	4,100	1,490	2,160	875	804	838
26	---	---	---	---	---	---	1,800	1,590	1,690	886	818	864
27	---	---	---	---	---	---	2,320	1,800	2,120	841	783	819
28	---	---	---	---	---	---	2,520	1,900	2,300	783	773	778
29	---	---	---	---	---	---	2,190	1,890	1,990	783	686	753
30	---	---	---	---	---	---	2,150	1,880	2,020	739	679	718
31	---	---	---	---	---	---	---	---	---	728	673	696
Month	---	---	---	---	---	---	4,100	1,060	1,890	3,250	608	1,320

09332600 MUDDY CREEK AT TOMSICH BUTTE NEAR HANKSVILLE, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	692	668	681	---	---	---	4,100	3,970	4,020	3,230	3,000	3,110
2	682	663	672	---	---	---	5,290	2,970	4,200	3,370	3,170	3,270
3	3,230	666	1,200	---	---	---	2,970	2,080	2,390	3,540	3,360	3,480
4	2,130	902	1,310	---	---	---	4,620	2,830	3,920	4,120	2,210	3,530
5	1,080	733	920	---	---	---	3,350	3,030	3,180	3,970	2,080	2,510
6	825	731	783	---	---	---	3,870	2,880	3,080	2,310	2,070	2,170
7	811	783	795	---	---	---	4,280	2,330	2,920	---	---	---
8	857	801	819	---	---	---	2,820	2,420	2,620	---	---	---
9	868	819	850	1,810	1,600	1,670	2,690	2,320	2,480	5,470	2,140	2,740
10	917	784	834	1,790	1,710	1,750	2,670	2,010	2,290	4,090	3,790	3,940
11	970	785	847	1,790	1,720	1,750	4,010	1,170	2,000	3,830	3,770	3,800
12	926	780	879	1,980	1,790	1,910	2,260	2,140	2,210	3,910	3,830	3,860
13	913	837	877	2,130	1,980	2,080	2,530	2,230	2,290	4,060	3,910	4,010
14	847	801	833	2,440	2,130	2,320	2,660	2,310	2,480	4,080	3,600	3,910
15	841	797	814	2,790	2,440	2,610	3,610	2,660	2,950	3,970	3,710	3,820
16	854	804	834	2,980	2,770	2,870	4,500	2,790	3,430	3,710	3,210	3,390
17	843	796	823	3,400	2,980	3,220	4,350	2,600	3,020	3,510	3,240	3,350
18	815	754	795	3,430	3,240	3,340	3,260	2,910	3,030	3,480	3,250	3,400
19	776	712	747	3,320	3,110	3,190	3,440	2,560	2,940	3,350	3,200	3,280
20	---	---	---	3,120	2,950	3,040	3,100	2,760	2,910	3,350	3,280	3,310
21	---	---	---	3,360	3,100	3,220	2,790	2,610	2,750	3,650	958	2,930
22	---	---	---	3,430	3,310	3,360	2,610	2,470	2,530	---	---	---
23	---	---	---	3,580	3,340	3,430	2,950	2,570	2,680	---	---	---
24	---	---	---	3,480	3,400	3,440	3,000	2,520	2,610	---	---	---
25	---	---	---	3,900	3,410	3,660	2,890	2,590	2,660	---	---	---
26	---	---	---	3,580	3,380	3,460	3,030	2,590	2,830	---	---	---
27	---	---	---	3,680	3,410	3,570	3,370	2,570	3,010	---	---	---
28	---	---	---	3,760	3,580	3,670	4,290	3,080	3,540	---	---	---
29	---	---	---	3,840	3,700	3,760	4,270	3,630	3,830	---	---	---
30	---	---	---	3,920	3,640	3,750	3,700	3,090	3,330	---	---	---
31	---	---	---	4,190	3,920	4,080	3,090	2,960	3,020	---	---	---
Month	3,230	663	859	4,190	1,600	3,010	5,290	1,170	2,940	5,470	958	3,360

09332800 MUDDY CREEK AT MOUTH, NEAR HANKSVILLE, UT

Dirty Devil River Basin

LOCATION.--Lat 38°24'10", long 110°42'00" referenced to North American Datum of 1927, in NW ¼ NW ¼ SE ¼ sec.3, T.28 S., R.11 E., Wayne County, Hydrologic Unit 14070002, on left bank at old bridge site, 0.4 mi upstream from mouth of Fremont River, and 2.2 mi north of Hanksville.

DRAINAGE AREA.--1,552 mi².

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WRD UT-77-1: 1976.

PERIOD OF RECORD.--October 1975 to September 1980, October 2004 to September 2005.

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,000 ft³/s, Sep 10, 1980, gage height, 7.70 ft, from floodmarks; no flow many days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,510 ft³/s, Sep 9, gage height, 6.07 ft; minimum daily discharge, 1.5 ft³/s, Sep 2, 3.

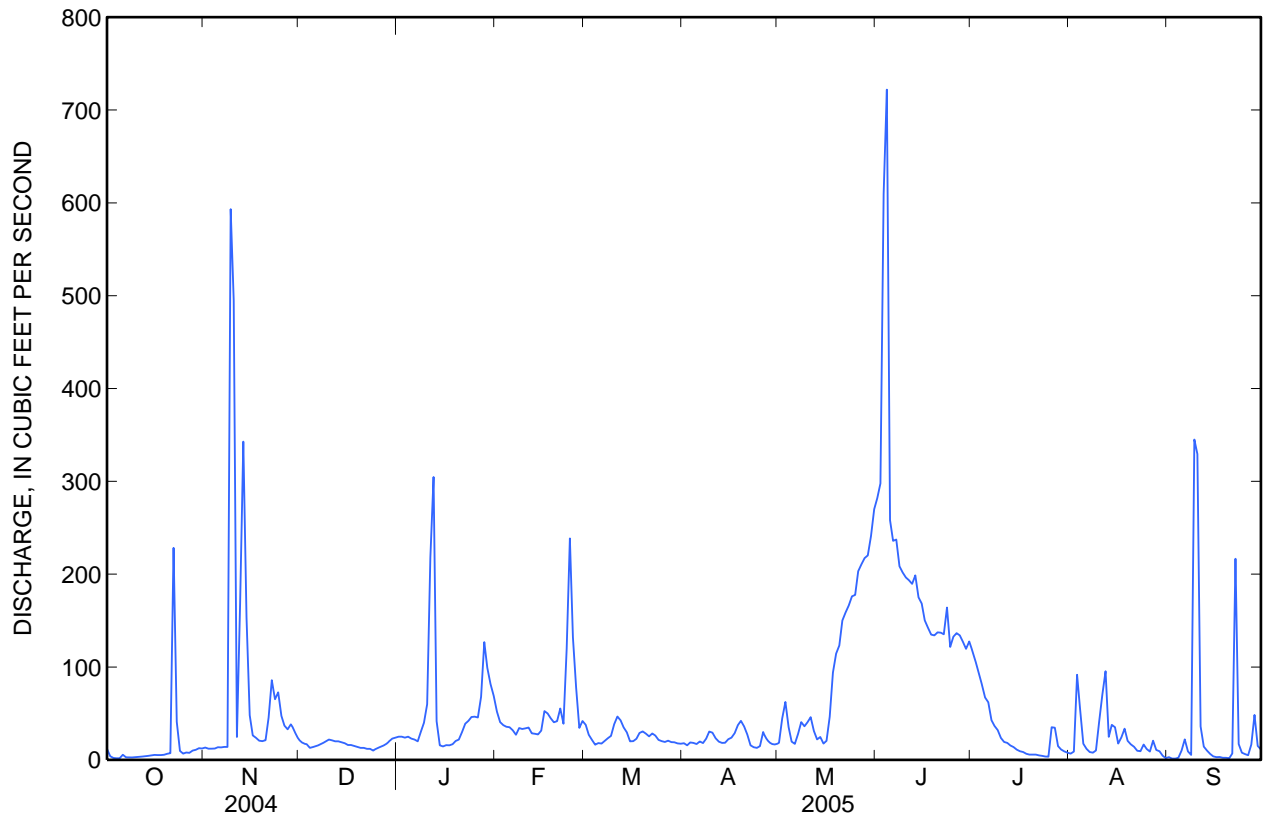
09332800 MUDDY CREEK AT MOUTH NEAR HANKSVILLE, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	13	e20	e25	52	38	18	18	282	118	6.7	3.0
2	4.0	12	e18	e25	41	27	16	45	298	105	9.0	1.5
3	2.2	12	e17	e24	37	22	19	62	610	95	92	1.5
4	1.8	12	e13	e25	36	16	18	35	722	81	54	2.3
5	1.9	14	e14	e23	35	18	17	20	258	67	17	10
6	5.6	14	e15	e22	32	18	20	17	236	62	12	22
7	2.8	14	e16	e20	27	20	18	28	237	43	8.6	9.2
8	2.7	14	e18	e30	34	23	23	41	209	37	7.9	5.5
9	2.8	593	e20	e40	33	26	31	36	202	32	10	345
10	2.8	495	e22	e60	34	38	29	41	197	24	41	329
11	3.1	25	e21	218	35	47	23	46	194	19	70	36
12	3.8	169	e20	305	29	43	20	31	190	18	96	14
13	4.0	343	e20	42	28	35	18	22	199	16	25	10
14	4.4	153	e19	16	27	30	18	25	175	14	38	6.5
15	4.8	48	e18	15	32	20	22	18	168	11	35	3.9
16	5.5	26	e16	16	53	20	24	21	150	9.5	18	2.9
17	5.3	24	e16	16	e50	23	29	47	142	8.5	24	3.1
18	5.2	21	e15	17	45	29	37	94	135	6.7	34	2.3
19	5.6	20	e14	20	41	31	42	115	134	5.8	21	2.3
20	6.7	21	e13	22	42	28	36	123	137	5.8	17	1.8
21	7.3	45	e13	30	55	25	27	150	137	5.7	14	6.9
22	228	86	e12	39	39	29	16	159	135	4.9	9.9	217
23	41	65	e12	42	120	26	14	166	164	4.4	9.4	17
24	9.7	73	e10	46	239	22	13	176	122	3.8	17	7.8
25	6.7	48	e12	47	132	20	15	178	133	3.6	12	6.2
26	8.0	37	e14	46	78	19	30	203	137	35	9.1	5.1
27	7.7	33	e15	68	34	21	23	211	134	35	21	17
28	10	38	e17	127	42	19	19	217	127	15	11	48
29	11	32	e20	99	---	19	17	220	120	11	9.4	15
30	13	e25	e23	82	---	18	17	241	128	9.3	4.6	11
31	12	---	e24	69	---	17	---	270	---	7.8	1.9	---
Total	441.4	2,525	517	1,676	1,482	787	669	3,076	6,212	913.8	755.5	1,162.8
Mean	14.2	84.2	16.7	54.1	52.9	25.4	22.3	99.2	207	29.5	24.4	38.8
Max	228	593	24	305	239	47	42	270	722	118	96	345
Min	1.8	12	10	15	27	16	13	17	120	3.6	1.9	1.5
Ac-ft	876	5,010	1,030	3,320	2,940	1,560	1,330	6,100	12,320	1,810	1,500	2,310

09332800 MUDDY CREEK AT MOUTH NEAR HANKSVILLE, UT—Continued



09332800 MUDDY CREEK AT MOUTH NEAR HANKSVILLE, UT—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1975 to September 1980, October 2004 to September 2005.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 2004 to September 2005.

SUSPENDED-SEDIMENT DISCHARGE: October 1975 to September 1980, monthly.

INSTRUMENTATION.--Specific conductance probe.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 10,800 microsiemens/cm, Jun 9, 1976; minimum daily, 940 microsiemens/cm, Jun 1, 2005.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 9,080 microsiemens/cm, Jul 26; minimum, 940 microsiemens/cm, Jun 1.

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	---	---	---	4,240	3,670	3,910	4,830	4,480	---	3,510	3,090	3,300
2	---	---	---	4,330	4,060	4,180	6,130	4,830	5,740	3,900	2,980	3,380
3	---	---	---	4,630	3,740	4,160	6,540	5,340	5,970	3,750	3,220	3,490
4	---	---	---	4,660	3,610	4,090	6,310	5,270	5,900	---	---	---
5	---	---	---	4,400	3,650	3,930	6,170	5,160	5,650	---	---	---
6	---	---	---	3,990	3,440	3,710	5,890	4,900	5,390	---	1,820	---
7	---	---	---	3,690	3,330	3,500	5,520	4,850	5,120	---	---	---
8	---	---	---	3,360	2,950	3,200	4,860	4,140	4,550	---	2,900	---
9	---	---	---	3,120	2,210	---	4,780	4,200	4,430	2,900	1,990	2,330
10	---	---	---	2,210	1,770	1,990	4,460	3,660	---	2,600	1,980	2,360
11	---	---	---	2,310	1,770	1,990	3,690	3,220	3,460	2,980	1,470	2,080
12	---	---	---	2,840	1,560	2,190	3,360	2,930	3,090	1,940	1,460	1,750
13	---	---	---	2,720	1,770	2,100	3,970	2,960	3,370	2,140	1,650	1,850
14	---	---	---	1,870	1,650	1,750	4,000	3,280	---	3,660	2,140	2,720
15	---	---	---	2,660	1,760	2,190	4,280	3,420	---	5,020	---	---
16	---	---	---	3,630	2,660	3,190	4,310	3,340	---	5,200	3,720	---
17	---	---	---	4,150	3,630	3,890	4,140	3,470	---	5,480	3,900	4,500
18	---	---	---	4,150	3,950	4,030	4,400	---	---	4,820	4,200	4,500
19	4,050	4,620	---	4,120	3,960	4,030	---	---	---	4,700	3,870	4,130
20	4,880	4,550	4,700	4,120	3,660	3,900	---	---	---	4,170	3,730	3,910
21	4,550	4,320	4,410	3,900	1,990	3,350	4,740	3,580	4,210	4,030	3,710	3,900
22	4,330	1,920	2,810	2,690	1,840	2,050	4,530	3,610	3,980	3,810	2,820	3,430
23	2,150	1,790	1,850	3,930	2,610	3,360	4,680	3,920	4,320	3,830	2,710	3,190
24	2,430	1,820	2,060	2,750	1,870	2,270	5,220	4,680	5,020	3,880	2,360	2,830
25	3,340	2,430	2,910	3,200	2,150	2,630	5,770	5,060	5,360	3,280	2,510	2,780
26	3,940	3,220	3,650	3,930	3,200	3,640	6,770	5,770	6,450	3,280	2,710	2,960
27	3,840	2,890	3,110	4,010	3,750	3,900	6,780	5,430	5,990	3,420	2,590	3,070
28	3,860	3,310	3,440	3,930	3,710	3,790	6,080	4,600	5,210	2,860	1,700	2,140
29	4,210	2,950	3,490	4,250	3,760	4,010	4,660	3,220	4,080	2,200	1,730	1,870
30	4,270	2,760	3,270	4,550	4,000	---	3,530	2,160	3,010	3,040	2,200	2,660
31	4,020	2,810	3,370	---	---	---	3,860	2,440	2,930	3,150	2,470	2,810
Month	4,880	1,790	3,260	4,660	1,560	3,250	6,780	2,160	4,690	5,480	1,460	3,000

09332800 MUDDY CREEK AT MOUTH NEAR HANKSVILLE, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	3,670	2,470	2,870	3,770	2,550	3,200	3,830	3,530	3,680	3,550	3,340	3,440
2	4,230	3,670	3,970	3,780	3,140	3,440	3,980	3,710	3,800	4,270	3,230	3,690
3	4,700	3,810	4,260	3,780	3,380	3,570	4,100	3,730	3,910	3,480	2,290	2,800
4	4,970	3,950	4,390	3,860	3,430	3,640	4,160	3,610	3,870	3,700	3,000	3,270
5	4,970	4,020	4,370	4,100	3,580	3,860	3,780	3,270	3,500	3,980	3,280	3,610
6	4,870	4,050	4,380	4,090	3,770	3,930	3,380	3,040	3,200	4,090	3,860	3,990
7	4,800	3,930	4,250	4,090	3,620	3,870	3,340	3,080	3,230	4,100	3,580	3,930
8	4,660	3,830	4,140	3,880	3,380	3,630	3,480	3,190	3,320	3,580	2,740	3,050
9	4,180	3,670	3,950	3,790	3,080	3,440	3,470	2,960	3,200	2,940	2,630	2,760
10	4,710	3,730	4,080	3,380	2,810	3,030	3,000	2,530	2,710	3,060	2,880	2,950
11	4,650	3,720	4,130	3,370	2,820	3,010	2,840	2,650	2,750	3,040	2,520	2,710
12	4,530	3,780	4,060	3,410	2,820	3,030	3,250	2,780	3,050	2,520	2,160	2,310
13	4,280	3,860	4,030	3,540	2,840	3,220	3,540	3,250	3,430	2,730	2,290	2,520
14	4,070	3,680	3,870	3,590	3,220	3,370	3,710	3,510	3,610	2,830	2,620	2,740
15	4,070	3,300	3,800	3,340	3,010	3,110	3,650	3,280	3,470	3,410	2,670	3,010
16	3,670	2,950	3,260	3,370	3,130	3,220	3,290	2,960	3,150	3,610	3,410	3,490
17	3,020	2,720	---	3,760	3,370	3,550	3,020	2,720	2,860	3,810	2,370	3,370
18	3,230	2,800	2,990	3,780	3,540	3,660	2,900	2,440	2,660	2,530	1,300	1,690
19	3,770	3,050	3,380	3,730	3,500	3,610	2,760	2,160	2,370	1,300	1,230	1,250
20	4,040	3,330	3,660	3,650	3,350	3,490	2,390	1,970	2,140	1,380	1,220	1,300
21	3,920	3,310	3,610	3,700	3,370	3,550	2,610	2,150	2,310	1,320	1,150	1,250
22	3,610	3,000	3,210	3,640	3,490	3,550	3,240	2,610	2,970	1,150	1,060	---
23	3,900	1,930	3,070	3,780	3,440	3,620	3,870	3,240	3,510	1,090	974	1,040
24	2,520	1,650	1,850	3,850	3,600	3,720	4,180	3,830	4,010	1,040	957	992
25	2,190	1,490	1,740	4,000	3,570	3,780	4,760	4,180	4,410	1,040	960	998
26	3,040	1,490	1,990	3,780	3,490	3,640	4,660	3,450	4,020	1,080	990	1,020
27	2,860	2,270	2,550	3,800	3,600	3,700	3,470	2,630	2,900	1,060	970	1,000
28	3,300	2,450	2,790	3,850	3,600	3,710	3,410	2,880	3,190	1,030	970	1,000
29	---	---	---	3,870	3,750	3,800	3,730	3,410	3,540	1,150	980	1,060
30	---	---	---	3,810	3,680	3,740	3,870	3,540	3,690	1,040	960	1,000
31	---	---	---	3,870	3,600	3,710	---	---	---	990	960	977
Month	4,970	1,490	3,510	4,100	2,550	3,530	4,760	1,970	3,280	4,270	957	2,270

09332800 MUDDY CREEK AT MOUTH NEAR HANKSVILLE, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	980	940	962	---	---	---	5,270	---	---	7,380	6,860	7,090
2	1,000	970	984	1,710	1,650	1,680	---	3,930	---	7,100	---	---
3	2,700	960	1,490	1,760	1,710	1,750	7,740	3,440	---	---	4,980	---
4	3,170	2,340	2,730	---	---	---	4,050	3,200	3,460	6,510	4,910	---
5	2,460	1,700	2,010	---	---	---	4,210	3,540	3,790	---	4,910	---
6	1,720	1,260	1,470	---	---	---	5,380	4,210	4,870	5,690	3,830	4,520
7	1,360	1,240	1,320	---	---	---	5,700	5,060	5,360	7,340	4,500	5,680
8	1,330	1,260	1,300	---	---	---	6,500	5,440	5,830	6,780	4,780	5,750
9	1,350	1,290	1,320	---	---	---	6,960	5,050	5,940	5,710	3,040	---
10	1,370	1,320	1,340	---	---	---	6,150	2,680	4,570	4,530	3,120	3,900
11	1,360	1,230	1,290	---	---	---	4,320	1,700	2,720	4,170	3,890	3,980
12	1,330	1,110	1,280	---	---	---	3,240	2,680	2,830	4,860	4,170	4,470
13	---	---	---	---	---	---	4,390	2,750	3,340	5,450	4,860	5,240
14	1,250	1,170	1,210	---	---	---	5,380	3,280	3,840	5,890	5,440	5,700
15	1,210	1,160	1,180	---	---	---	3,480	2,720	3,050	6,130	5,770	5,920
16	1,190	1,130	1,150	---	---	---	---	3,440	---	6,510	6,130	6,300
17	1,220	1,180	1,200	---	---	---	---	---	---	7,040	6,490	6,740
18	1,240	1,200	1,220	---	---	---	---	---	---	7,000	6,640	6,880
19	---	---	---	5,040	4,570	4,820	---	---	---	6,780	6,600	6,680
20	---	---	---	5,340	4,910	5,100	---	---	---	6,910	6,570	6,710
21	---	---	---	5,630	5,090	5,350	---	---	---	6,910	3,280	6,740
22	---	---	---	5,760	5,320	5,530	---	---	---	4,230	3,060	3,300
23	---	---	---	5,790	5,420	5,560	---	---	---	3,800	3,320	3,540
24	---	---	---	5,740	5,320	5,540	---	---	---	4,780	3,800	4,230
25	---	---	---	---	5,440	---	---	---	---	5,410	4,780	5,090
26	---	---	---	9,080	4,100	6,110	---	---	---	6,210	5,410	5,980
27	---	---	---	4,100	3,280	3,460	---	---	---	6,570	3,220	5,870
28	---	---	---	4,830	3,550	4,240	---	---	---	5,330	3,220	3,700
29	---	---	---	4,970	4,620	4,780	---	---	---	5,360	3,470	4,020
30	---	---	---	4,850	4,470	4,670	7,110	---	---	4,080	3,450	3,710
31	---	---	---	5,000	4,140	4,670	6,990	6,520	6,790	---	---	---
Month	3,170	940	1,380	9,080	1,650	4,520	7,740	1,700	4,340	7,380	3,040	5,270



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

Dirty Devil River Basin

LOCATION.--Lat 38°05'39", long 110°24'24" referenced to North American Datum of 1927, in SE ¼ SW ¼ SE ¼ 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 mi².

WATER-DISCHARGE RECORDS

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

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

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 ft³/s Nov 4, 1957, gage height, 28.1 ft from floodmarks, site and datum then in use, from rating curve extended above 9,000 ft³/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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov 10	0100	4,010	11.46
Sep 10	1045	*5,130	*12.29

No flow Jul 23, 24, 25, 26.

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

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e66	e80	e37	e55	168	e185	112	113	214	57	e2.8	6.9
2	e60	e86	e32	e50	151	e175	110	114	212	55	e5.6	e5.0
3	e48	e91	e22	e48	e135	e170	109	122	328	52	e25	e4.6
4	e43	e100	e19	e85	e132	e160	109	127	1,690	50	e60	e15
5	e47	102	e18	e165	e130	e165	111	122	725	49	e32	e420
6	e50	106	e23	e115	e127	e155	109	115	437	45	e25	e120
7	e70	111	e38	e60	e124	e145	117	105	368	45	e15	e78
8	e62	e110	e42	e38	e124	e145	125	120	325	39	e12	e68
9	e58	e600	e45	e65	e125	e145	114	130	297	e26	e10	255
10	e54	e2,100	e40	e220	e124	e150	150	125	299	e16	e14	2,040
11	e56	e340	e38	e350	e122	e150	139	114	311	e12	78	238
12	e56	e160	e39	e1,700	e125	e150	128	114	301	e7.8	e80	78
13	e60	e325	e40	e600	e120	e150	134	127	299	e6.0	e30	68
14	e66	e290	e38	e180	e125	e150	124	128	267	e4.4	e30	58
15	e74	e125	e37	e150	e130	e170	119	130	242	e3.3	33	53
16	e62	e66	e36	139	e135	e155	116	120	190	e2.5	29	50
17	e80	e44	e38	e185	e145	e145	136	110	172	e2.0	36	45
18	e82	e38	e36	148	e145	e135	170	140	153	e1.6	e22	42
19	e80	e32	e33	142	148	e135	240	178	139	e1.3	e22	44
20	e90	e31	e35	133	143	e135	295	168	126	e1.1	e23	44
21	e94	e35	e33	125	144	e130	244	193	118	e1.0	e18	47
22	e165	e78	e33	129	153	e125	162	243	110	0.91	e14	144
23	425	e96	e29	e125	e160	122	123	243	99	0.17	e12	109
24	173	e66	e22	e165	e440	122	121	246	103	0.00	e9.0	58
25	e125	e57	e17	e150	e400	125	114	243	98	0.00	13	51
26	e110	e52	e16	e135	e300	123	116	247	92	2.1	16	48
27	e100	e45	e19	e160	e210	117	128	255	84	e36	12	46
28	e97	e42	e36	203	e200	114	129	236	73	e25	14	137
29	e130	e40	e225	232	---	116	113	219	67	e16	14	85
30	e106	e38	e165	194	---	113	109	213	66	8.9	13	62
31	e84	---	e80	185	---	113	---	209	---	4.8	10	---
Total	2,873	5,486	1,361	6,431	4,685	4,390	4,126	5,069	8,005	570.88	729.4	4,519.5
Mean	92.7	183	43.9	207	167	142	138	164	267	18.4	23.5	151
Max	425	2,100	225	1,700	440	185	295	255	1,690	57	80	2,040
Min	43	31	16	38	120	113	109	105	66	0.00	2.8	4.6
Ac-ft	5,700	10,880	2,700	12,760	9,290	8,710	8,180	10,050	15,880	1,130	1,450	8,960

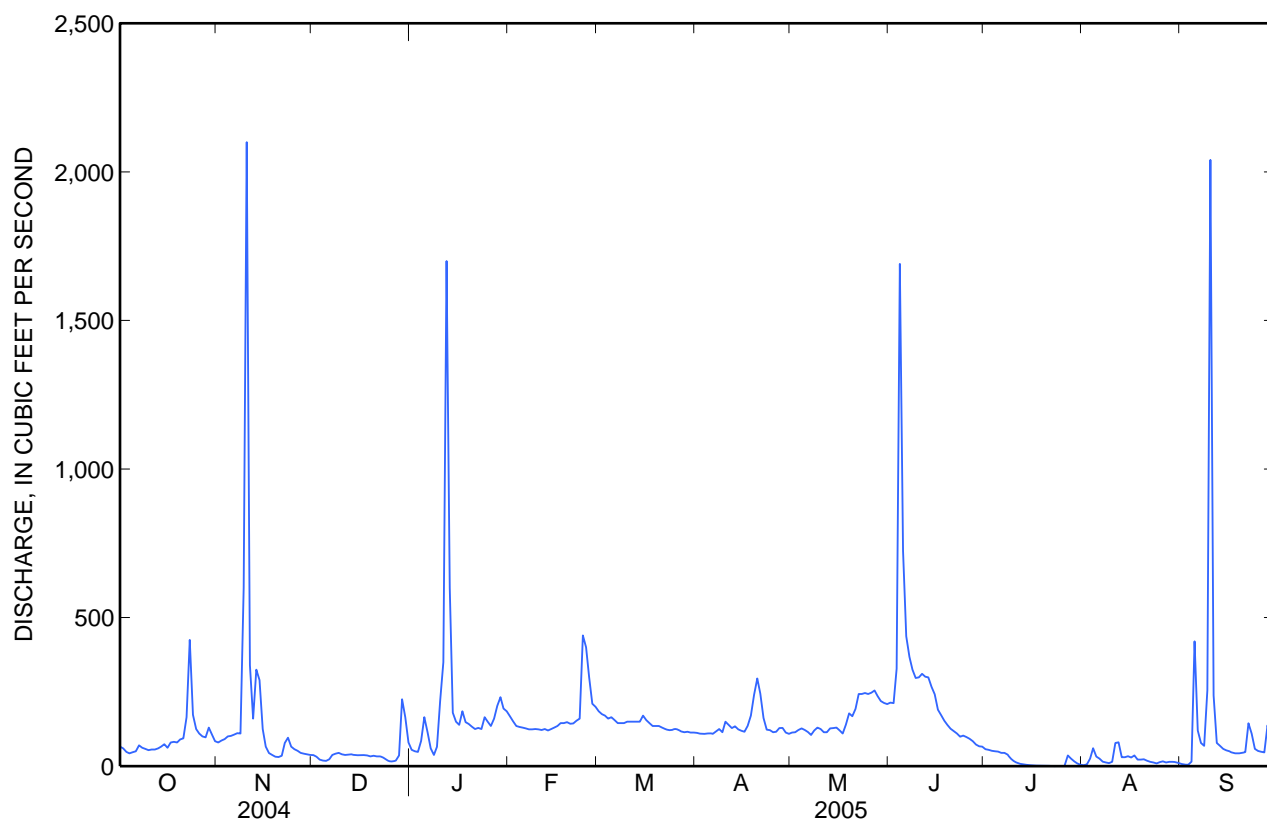
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1949-93, 2001-05, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	97.2	126	95.4	101	136	138	107	82.7	69.8	53.3	88.7	87.8
Max	666	1,059	174	207	277	320	384	280	549	277	538	635
(WY)	(1958)	(1958)	(1985)	(2005)	(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	0.00	0.00	0.16	0.23
(WY)	(1956)	(1978)	(1979)	(1979)	(1979)	(1967)	(1967)	(1972)	(1977)	(1991)	(1960)	(1979)

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

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1949-93, 2001-05	
Annual total	29,704.3		48,245.78			
Annual mean	81.2		132		98.5	
Highest annual mean					250	1958
Lowest annual mean					51.1	1956
Highest daily mean	2,100	Nov 10	2,100	Nov 10	14,000	Nov 4, 1957
Lowest daily mean	1.0	Jul 15	0.00	Jul 24	0.00	Jun 5, 1954
Annual seven-day minimum	1.5	Jul 11	0.64	Jul 19	0.00	Jul 1, 1960
Annual runoff (ac-ft)	58,920		95,700		71,350	
10 percent exceeds	138		241		174	
50 percent exceeds	62		110		78	
90 percent exceeds	8.0		15		2.0	





Water-Data Report UT-2005

09337000 PINE CREEK NEAR ESCALANTE, UT

Escalante River Basin

LOCATION.--Lat 37°51'45", long 111°38'07" referenced to North American Datum of 1927, in SW ¼ NE ¼ SW ¼ 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 mi².

WATER-DISCHARGE RECORDS

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

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

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 ft³/s and estimated daily discharges, which are poor. Some regulation of low flow by several small headwater reservoirs (combined capacity 2,120 acre-ft).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,010 ft³/s, Aug 2, 1967, gage height, 7.72 ft, from rating curve extended above 180 ft³/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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 23	2335	198	4.55
Aug 11	1505	*471	*6.01

Minimum daily discharge, 1.2 ft³/s, Oct 1, 2, Nov 1.

09337000 PINE CREEK NEAR ESCALANTE, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.2	1.2	e2.1	e2.2	1.9	2.2	4.0	18	70	23	16	10
2	1.2	2.0	e2.0	e2.1	1.9	2.4	4.5	18	64	23	17	10
3	1.4	2.2	e1.9	e2.1	e1.9	2.4	5.4	20	64	22	17	11
4	1.3	2.1	e1.9	e2.1	e1.9	2.3	5.9	19	51	22	17	11
5	1.5	2.1	e1.9	e2.1	e1.9	2.3	5.5	20	46	22	16	11
6	1.4	1.9	e1.9	e2.0	e1.9	2.5	6.3	23	47	22	16	10
7	1.3	1.9	e1.9	e1.9	e2.0	2.7	8.0	21	48	22	17	9.8
8	1.3	20	e2.1	e2.1	e2.0	2.9	9.1	20	44	21	17	9.9
9	1.3	6.2	e2.4	e2.3	e1.9	3.5	8.7	21	41	21	16	11
10	1.3	3.9	e2.3	e2.4	e1.9	4.2	7.6	23	40	20	19	11
11	1.5	3.5	e2.2	e3.1	e1.9	4.6	7.5	22	47	20	31	9.8
12	1.4	3.3	e2.1	e2.6	e2.0	5.6	8.3	22	49	19	14	9.6
13	1.3	3.1	e2.1	e2.3	2.0	5.2	8.8	21	43	19	13	9.5
14	1.3	2.8	e2.1	e2.1	2.2	4.2	9.7	26	41	19	13	9.5
15	1.3	2.6	e2.0	e2.0	2.4	3.8	11	28	38	18	13	9.4
16	1.3	2.7	e2.1	e2.1	2.4	4.2	13	34	36	18	13	9.2
17	1.3	2.6	e2.0	e2.1	2.3	4.0	15	38	33	18	12	9.1
18	1.4	2.6	e2.0	e2.1	2.4	3.8	18	39	31	17	12	9.0
19	1.8	2.5	e2.0	e2.1	2.5	3.8	18	49	30	17	12	8.9
20	7.2	2.6	e2.1	e2.2	2.4	4.0	16	66	28	17	12	8.7
21	16	2.6	e2.1	e2.1	2.3	3.7	15	79	27	17	12	9.4
22	4.7	3.6	e2.1	e2.1	2.3	3.6	15	89	27	16	12	9.1
23	2.6	2.6	e2.1	e2.1	2.4	4.1	15	111	27	17	12	8.6
24	2.5	2.3	e2.0	e2.1	2.2	3.8	26	110	26	18	12	8.5
25	2.3	2.7	e2.1	e2.1	2.1	3.7	19	96	26	18	11	8.3
26	2.2	2.4	e2.1	2.1	2.2	3.7	18	89	26	17	11	8.2
27	2.9	2.6	e2.2	2.1	2.4	3.8	18	97	25	16	11	8.4
28	4.0	e2.2	e2.2	2.1	2.3	3.9	18	95	25	16	11	8.9
29	2.3	e2.1	e2.4	2.0	---	3.7	17	102	25	16	11	8.4
30	2.1	e2.0	e2.3	2.0	---	3.7	17	95	24	16	10	8.3
31	2.2	---	e2.3	1.9	---	3.6	---	80	---	15	10	---
Total	76.8	96.9	65.0	66.7	59.9	111.9	368.3	1,591	1,149	582	436	283.5
Mean	2.48	3.23	2.10	2.15	2.14	3.61	12.3	51.3	38.3	18.8	14.1	9.45
Max	16	20	2.4	3.1	2.5	5.6	26	111	70	23	31	11
Min	1.2	1.2	1.9	1.9	1.9	2.2	4.0	18	24	15	10	8.2
Ac-ft	152	192	129	132	119	222	731	3,160	2,280	1,150	865	562

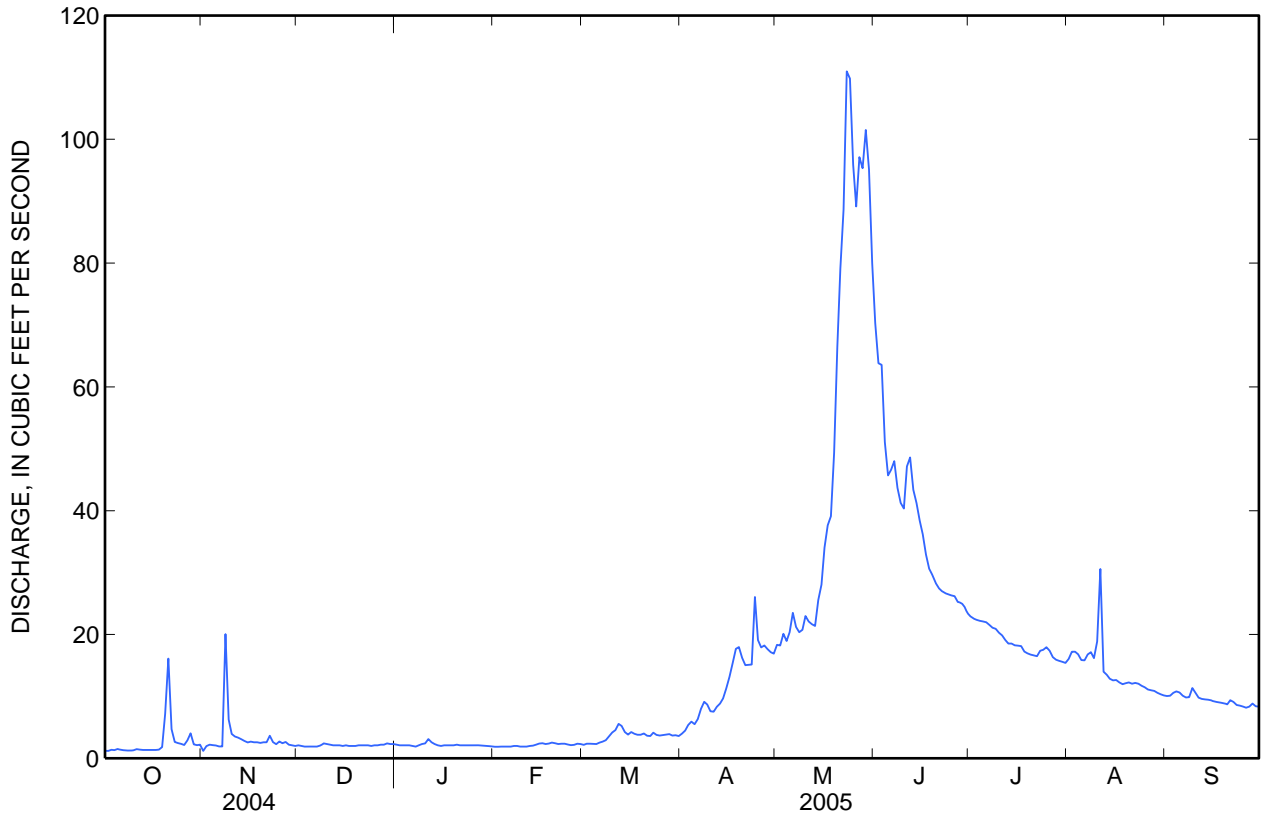
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 – 1955, 1958 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	3.09	2.86	2.26	2.23	2.24	2.77	6.85	17.3	7.63	5.67	4.91	4.16
Max	9.65	8.09	6.25	6.20	6.70	6.78	28.9	51.3	38.3	25.4	15.2	16.5
(WY)	(1999)	(1999)	(1984)	(1999)	(1984)	(1999)	(1987)	(2005)	(2005)	(1983)	(1983)	(1998)
Min	0.00	0.00	0.00	0.05	0.04	0.05	0.07	0.21	0.00	0.00	0.00	0.00
(WY)	(1965)	(1965)	(1965)	(1965)	(1965)	(1965)	(1977)	(1977)	(1977)	(1955)	(1954)	(1955)

09337000 PINE CREEK NEAR ESCALANTE, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1951 – 1955, 1958 - 2005	
Annual total	741.51		4,887.0			
Annual mean	2.03		13.4		5.19	
Highest annual mean					13.4	2005
Lowest annual mean					0.62	1977
Highest daily mean	20	Nov 8	111	May 23	205	May 18, 1964
Lowest daily mean	0.50	Jan 26	1.2	Oct 1	0.00	Mar 12, 1954
Annual seven-day minimum	0.60	Aug 10	1.3	Oct 1	0.00	Jun 17, 1954
Annual runoff (ac-ft)	1,470		9,690		3,760	
10 percent exceeds	3.1		29		9.5	
50 percent exceeds	1.5		5.9		3.0	
90 percent exceeds	0.70		1.9		0.64	



09337500 ESCALANTE RIVER NEAR ESCALANTE, UT

Escalante River Basin

LOCATION.--Lat 37°46'41", long 111°34'26" referenced to North American Datum of 1927, in NE ¼ NW ¼ SE ¼ 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 mi².

WATER-DISCHARGE RECORDS

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

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.

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 Mar 15-19, which are fair, and daily discharges less than 2.0 ft³/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 ft³/s, Aug 24, 1998, gage height, 11.05 ft, from rating curve extended above 150 ft³/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 ft³/s, Jul 11, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 767 ft³/s, Aug 11, gage height, 4.84 ft; minimum discharge, 0.14 ft³/s, Oct 4, Nov 30, Dec 5, 6, gage height, 1.21 ft.

09337500 ESCALANTE RIVER NEAR ESCALANTE, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.17	2.2	e2.2	3.1	11	16	12	35	285	71	18	8.4
2	0.19	2.2	e2.2	3.0	e15	16	15	42	276	67	59	7.9
3	0.32	2.6	e2.2	2.9	e14	19	19	42	307	63	38	64
4	0.17	2.5	e2.2	2.9	14	17	20	33	270	61	38	24
5	0.22	2.6	e2.0	3.0	14	16	16	37	248	49	14	9.3
6	0.20	2.7	e2.0	e2.9	13	17	15	51	223	43	16	11
7	0.37	2.6	e2.2	e2.8	14	21	8.1	54	223	41	24	11
8	0.40	95	2.9	e3.0	12	23	21	54	211	40	64	8.9
9	0.22	19	3.0	8.8	7.8	28	26	50	206	29	25	12
10	0.23	4.9	3.1	46	7.1	30	16	46	198	31	37	12
11	0.23	4.2	3.0	142	11	24	20	45	203	37	84	11
12	0.45	5.9	2.9	30	17	27	17	44	210	34	40	11
13	0.47	4.7	2.9	7.9	e19	32	8.0	38	178	30	37	10
14	0.47	3.4	2.8	7.4	20	19	7.4	38	168	29	37	10
15	0.47	2.8	2.8	7.0	22	8.1	9.2	40	177	27	25	9.2
16	0.47	3.0	e2.7	6.7	23	8.2	19	54	179	24	22	8.8
17	0.51	3.0	e2.7	6.7	20	8.2	25	66	168	21	21	8.5
18	0.53	3.0	e2.8	e6.8	19	8.1	23	62	164	20	18	7.6
19	0.57	2.8	3.1	e7.3	21	8.1	39	77	155	17	19	7.1
20	10	2.8	2.9	e7.7	21	13	21	116	140	14	18	7.0
21	147	2.8	e2.9	e7.4	19	21	16	161	134	15	21	6.9
22	22	3.9	e2.9	7.0	20	18	16	195	125	17	24	6.9
23	2.1	3.1	e2.9	7.0	22	22	10	242	133	17	e20	6.4
24	1.9	2.4	e2.8	6.8	20	20	59	268	123	21	e18	6.2
25	2.0	2.9	e3.0	e6.7	18	19	48	260	112	30	e16	6.2
26	1.8	2.9	e3.1	e7.4	17	15	33	234	106	25	15	7.5
27	1.6	2.5	e3.5	e8.0	16	15	30	263	92	22	13	9.8
28	9.3	2.5	4.2	e7.9	17	16	20	238	88	19	12	12
29	3.1	e2.0	5.4	7.5	---	18	18	269	85	18	11	13
30	1.6	e2.0	4.3	8.0	---	16	21	283	70	17	9.4	14
31	3.1	---	3.8	8.9	---	12	---	280	---	16	8.5	---
Total	212.16	198.9	91.4	390.5	463.9	550.7	627.7	3,717	5,257	965	821.9	347.6
Mean	6.84	6.63	2.95	12.6	16.6	17.8	20.9	120	175	31.1	26.5	11.6
Max	147	95	5.4	142	23	32	59	283	307	71	84	64
Min	0.17	2.0	2.0	2.8	7.1	8.1	7.4	33	70	14	8.5	6.2
Ac-ft	421	395	181	775	920	1,090	1,250	7,370	10,430	1,910	1,630	689

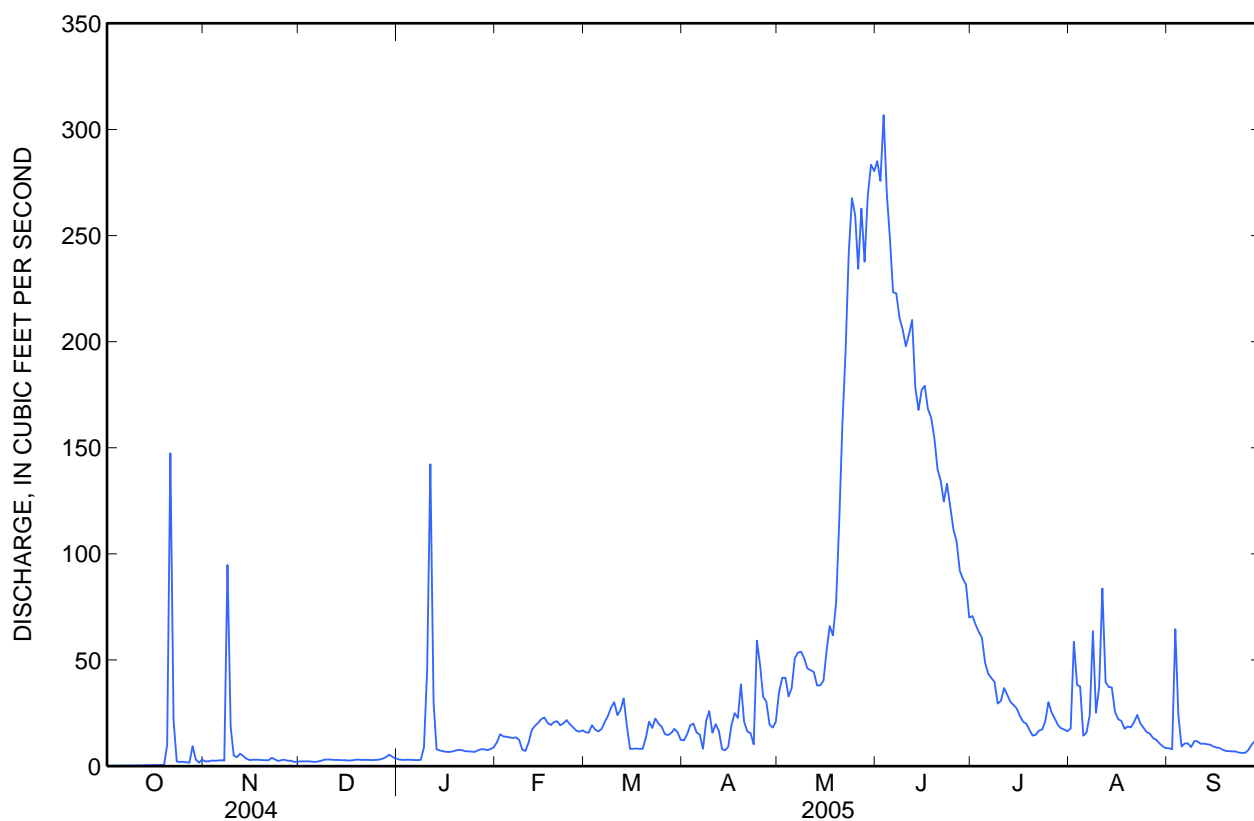
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1943 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	7.39	6.72	6.99	8.34	10.2	12.4	13.5	24.2	20.6	6.48	8.54	6.96
Max	29.9	23.8	18.1	26.4	23.8	39.7	54.8	124	175	31.1	30.8	39.4
(WY)	(1973)	(1988)	(1943)	(1950)	(1943)	(1989)	(1993)	(1973)	(2005)	(2005)	(1983)	(1998)
Min	0.41	0.80	0.77	0.96	1.21	0.67	1.23	0.88	0.47	0.28	0.31	0.73
(WY)	(2004)	(1991)	(1991)	(1991)	(1993)	(1991)	(1990)	(1954)	(2003)	(2003)	(2002)	(1955)

09337500 ESCALANTE RIVER NEAR ESCALANTE, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1943 - 2005	
Annual total	1,219.36		13,643.76			
Annual mean	3.33		37.4		11.2	
Highest annual mean					37.4	2005
Lowest annual mean					1.49	1991
Highest daily mean	147	Oct 21	307	Jun 3	367	Sep 11, 1998
Lowest daily mean	0.10	Jul 5	0.17	Oct 1	0.07	Jul 11, 1990
Annual seven-day minimum	0.10	Jul 5	0.23	Oct 1	0.10	Jul 5, 2004
Annual runoff (ac-ft)	2,420		27,060		8,090	
10 percent exceeds	5.2		124		24	
50 percent exceeds	1.5		16		4.8	
90 percent exceeds	0.14		2.3		0.96	



09338900 DEER CREEK NEAR BOULDER, UT

Escalante River Basin

LOCATION.--Lat 37°51'12", long 111°21'16" referenced to North American Datum of 1927, in NW ¼ SE ¼ NE ¼ 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Occasional 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.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,820 ft³/s, Aug 3, 1961, gage height, 14.00 ft, from rating curve extended above about 5 ft³/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 occasion.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,290 ft³/s, Aug 6, gage height, 8.47 ft; minimum daily discharge, 5.1 ft³/s, Oct 3, 4.

09338900 DEER CREEK NEAR BOULDER, UT—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.2	8.6	11	14	16	16	13	15	22	15	9.0	14
2	5.2	9.1	11	13	16	16	13	14	21	14	9.8	15
3	5.1	9.8	11	14	16	20	14	16	35	14	27	55
4	5.1	9.5	12	14	16	17	15	18	22	13	18	20
5	6.7	9.4	13	14	16	17	13	20	18	13	10	16
6	5.9	9.4	14	14	16	17	13	28	17	13	44	14
7	5.7	9.5	14	12	16	17	15	19	15	13	15	12
8	5.8	38	14	14	15	18	17	17	15	13	14	10
9	5.6	18	14	15	14	19	16	22	15	11	14	68
10	5.7	16	14	21	14	21	13	29	15	12	25	20
11	5.7	16	14	104	16	21	12	21	16	12	31	16
12	5.7	16	14	22	20	23	13	19	17	12	14	15
13	5.6	15	14	17	17	24	16	19	15	11	15	15
14	5.7	15	14	17	17	21	16	27	13	11	15	14
15	5.8	15	14	16	17	18	21	28	13	11	13	13
16	5.8	14	13	16	18	18	24	36	12	11	13	12
17	6.0	14	13	16	17	18	28	36	12	11	12	12
18	6.2	14	14	16	17	18	32	34	13	10	12	12
19	6.6	14	13	16	17	16	29	40	13	10	11	12
20	8.4	14	14	17	17	19	18	47	15	10	12	12
21	64	14	14	17	16	16	15	50	16	9.6	11	12
22	17	14	12	16	18	16	17	44	17	9.3	12	12
23	11	14	11	17	18	17	15	42	17	9.8	17	13
24	12	14	10	17	17	15	62	42	18	8.0	18	12
25	12	15	12	17	17	15	17	39	18	9.0	17	12
26	11	15	13	22	17	14	14	33	18	9.5	17	12
27	11	14	13	25	16	14	15	28	17	8.0	16	10
28	22	14	13	18	17	14	13	26	16	7.6	17	11
29	16	11	23	17	---	14	11	28	16	7.2	15	10
30	15	11	14	17	---	13	11	26	15	7.0	15	10
31	11	---	14	16	---	13	---	23	---	8.0	14	---
Total	319.5	420.3	414	601	464	535	541	886	502	333.0	502.8	491
Mean	10.3	14.0	13.4	19.4	16.6	17.3	18.0	28.6	16.7	10.7	16.2	16.4
Max	64	38	23	104	20	24	62	50	35	15	44	68
Min	5.1	8.6	10	12	14	13	11	14	12	7.0	9.0	10
Ac-ft	634	834	821	1,190	920	1,060	1,070	1,760	996	661	997	974

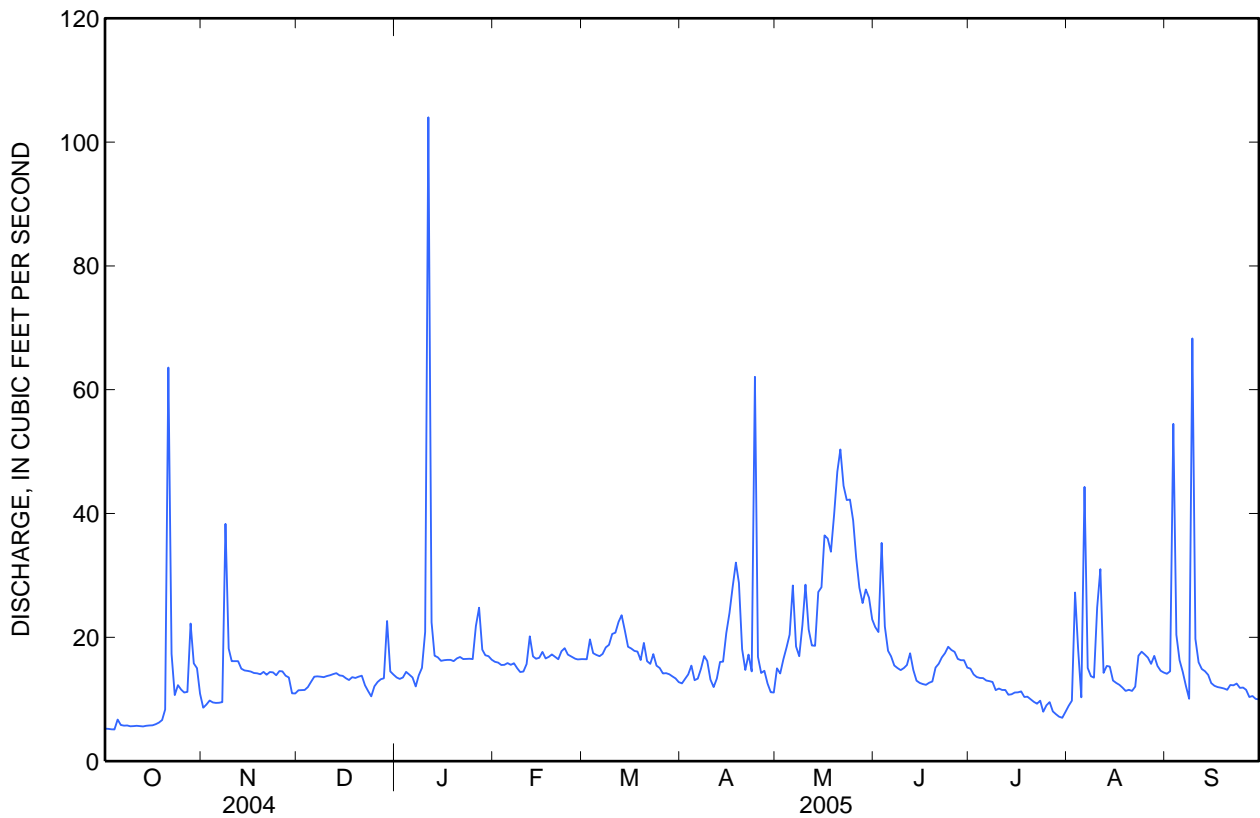
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	8.05	9.98	10.9	12.2	11.1	12.5	9.51	12.8	7.49	6.01	8.52	10.8
Max	10.3	14.0	13.4	19.4	16.6	17.3	18.0	28.6	16.7	10.7	16.2	16.4
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
Min	5.60	6.97	9.59	9.57	7.51	8.67	6.04	5.32	4.09	4.34	5.10	4.84
(WY)	(2004)	(2004)	(2002)	(2002)	(2003)	(2003)	(2002)	(2002)	(2003)	(2002)	(2003)	(2003)

09338900 DEER CREEK NEAR BOULDER, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2001 - 2005	
Annual total	3,312.0		6,009.6			
Annual mean	9.05		16.5		9.99	
Highest annual mean					16.5	2005
Lowest annual mean					7.55	2003
Highest daily mean	87	Aug 6	104	Jan 11	245	Sep 16, 2001
Lowest daily mean	3.7	Jul 31	5.1	Oct 3	3.1	Jul 13, 2003
Annual seven-day minimum	3.9	Jul 7	5.6	Oct 1	3.2	Jul 9, 2003
Annual runoff (ac-ft)	6,570		11,920		7,240	
10 percent exceeds	14		23		17	
50 percent exceeds	6.9		15		7.7	
90 percent exceeds	4.2		9.6		4.3	





Water-Data Report UT-2005

09339000 BOULDER CREEK NEAR BOULDER, UT

Escalante River Basin

LOCATION.--Lat 37°46'55", long 111°21'34" referenced to North American Datum of 1927, in NE ¼ SE ¼ NW ¼ 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 11 miles south of Boulder.

DRAINAGE AREA.--173 mi².

WATER-DISCHARGE RECORDS

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

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 250 ft³/s and estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,650 ft³/s, Jul 25, 1955, gage height, 10.24 ft; minimum daily, 5.0 ft³/s, Jul 10-16, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 836 ft³/s, Jul 25, gage height, 7.05 ft; minimum daily discharge, 9.2 ft³/s, Oct 4.

09339000 BOULDER CREEK NEAR BOULDER, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	9.5	32	28	38	38	38	37	55	123	76	46	34
2	9.5	32	29	36	38	38	37	53	139	72	51	34
3	9.3	36	28	37	37	64	36	54	185	69	59	55
4	9.2	35	28	46	38	41	40	59	128	67	62	63
5	24	35	33	39	40	40	38	59	118	e64	44	e42
6	10	35	36	37	39	40	38	76	121	e63	60	e38
7	9.8	35	37	31	38	41	44	64	121	e61	51	e36
8	9.7	120	37	40	37	42	54	55	126	e60	49	e34
9	9.6	76	38	47	38	42	52	55	117	e58	49	e89
10	9.5	53	40	67	38	46	43	65	108	e57	57	e54
11	10	54	40	200	39	48	39	58	109	e55	79	e44
12	9.8	63	38	59	53	49	41	52	109	e54	56	e42
13	9.6	48	36	41	42	51	50	39	98	e53	62	e40
14	9.7	42	37	40	40	48	49	55	102	e51	51	35
15	9.8	41	37	40	40	44	63	62	119	e50	47	34
16	10	40	36	41	41	43	75	75	139	e48	46	33
17	10	39	36	39	39	42	75	80	154	e51	44	32
18	10	39	35	38	41	39	85	79	166	e45	42	32
19	11	39	36	38	42	38	79	88	173	e44	40	32
20	17	50	36	39	39	55	57	110	157	42	42	31
21	154	46	37	40	38	40	46	123	148	42	40	35
22	70	53	33	39	44	40	50	115	134	41	42	38
23	35	42	28	38	51	54	46	117	132	44	54	36
24	33	40	24	37	41	48	145	126	136	43	51	35
25	31	41	26	37	40	41	65	130	123	84	45	34
26	30	41	31	61	39	42	51	121	110	50	45	34
27	30	39	40	73	39	41	48	111	93	43	41	37
28	77	40	46	43	38	41	46	105	88	40	46	38
29	41	30	109	39	---	40	43	121	87	39	39	37
30	38	25	46	38	---	39	41	133	79	39	35	34
31	38	---	39	38	---	38	---	123	---	41	34	---
Total	794.0	1,341	1,160	1,476	1,127	1,353	1,613	2,618	3,742	1,646	1,509	1,192
Mean	25.6	44.7	37.4	47.6	40.2	43.6	53.8	84.5	125	53.1	48.7	39.7
Max	154	120	109	200	53	64	145	133	185	84	79	89
Min	9.2	25	24	31	37	38	36	39	79	39	34	31
Ac-ft	1,570	2,660	2,300	2,930	2,240	2,680	3,200	5,190	7,420	3,260	2,990	2,360

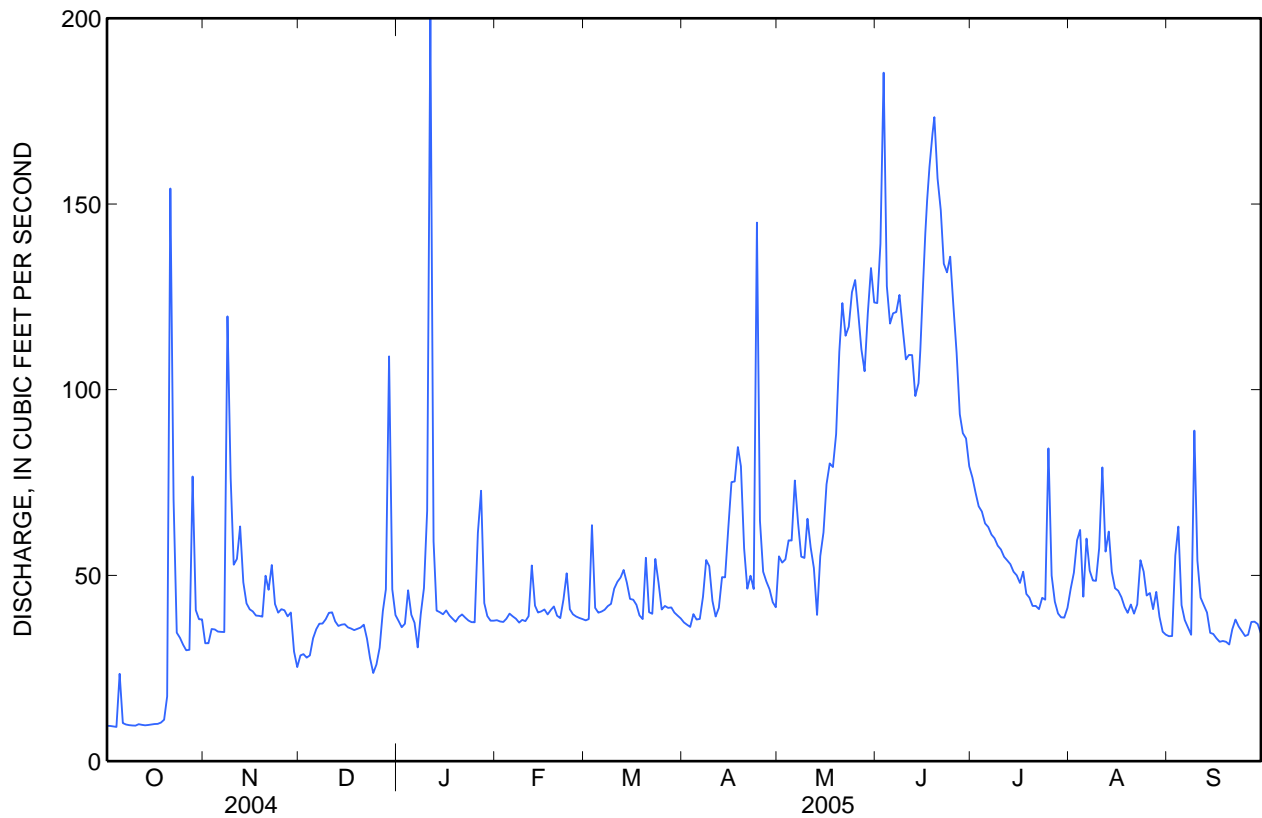
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1950 -55, 2000 - 05, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	15.5	27.6	32.2	34.1	33.8	34.6	24.3	42.7	27.9	15.6	16.2	14.5
Max	25.6	44.7	49.2	47.6	41.7	43.6	53.8	84.5	125	53.1	48.7	39.7
(WY)	(2005)	(2005)	(1953)	(2005)	(1953)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)
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)

09339000 BOULDER CREEK NEAR BOULDER, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1950 -55, 2000 - 05	
Annual total	8,658.0		19,571.0			
Annual mean	23.7		53.6		27.1	
Highest annual mean					53.6	2005
Lowest annual mean					17.6	1955
Highest daily mean	154	Oct 21	200	Jan 11	249	May 27, 2003
Lowest daily mean	5.7	Jun 9	9.2	Oct 4	5.0	Jul 10, 2003
Annual seven-day minimum	6.0	Jun 9	9.7	Oct 8	5.0	Jul 10, 2003
Annual runoff (ac-ft)	17,170		38,820		19,670	
10 percent exceeds	41		109		46	
50 percent exceeds	22		42		22	
90 percent exceeds	6.9		32		8.2	





Water-Data Report UT-2005

09372400 NORTH CREEK NEAR MONTICELLO, UT

San Juan River Basin

LOCATION.--Lat 37°52'36", long 109°26'43" referenced to North American Datum of 1927, in SW ¼ NW ¼ SW ¼ 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 mi².

WATER-DISCHARGE RECORDS

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 estimated daily discharge, 68.0 ft³/s, May 25, 2005; no flow many days during most years.

EXTREMES FOR CURRENT YEAR.--Maximum estimated daily discharge, 68.0 ft³/s, May 25; minimum daily discharge, 0.02 ft³/s, Oct 4.

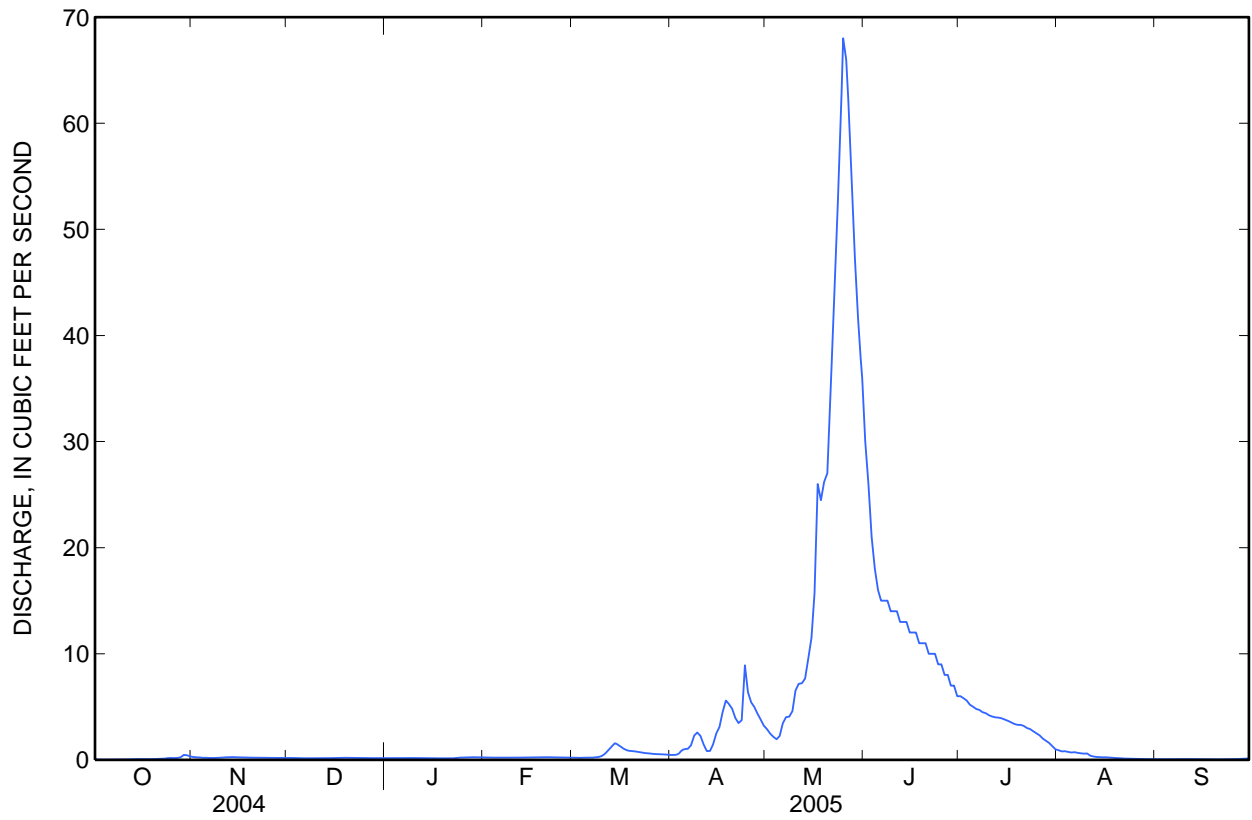
09372400 NORTH CREEK NEAR MONTICELLO, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	e0.03	0.28	0.18	0.17	0.22	0.21	0.46	2.9	e30	e6.0	e0.90	0.06
2	e0.03	0.24	0.18	0.17	0.22	0.20	0.46	2.5	e26	e5.8	e0.80	0.06
3	0.03	0.22	0.17	0.16	0.21	0.19	0.56	2.2	e21	e5.6	e0.82	0.06
4	e0.02	0.20	0.16	0.17	0.21	0.20	0.86	1.9	e18	e5.2	e0.76	0.06
5	e0.03	0.19	0.16	0.16	0.21	0.21	1.0	2.2	e16	e5.0	e0.70	0.06
6	e0.03	0.18	0.16	0.16	0.21	0.22	1.0	3.5	e15	e4.8	e0.72	0.06
7	e0.03	0.17	0.15	0.16	0.21	0.22	1.4	4.0	e15	e4.7	e0.67	0.06
8	e0.04	0.18	0.15	0.16	0.21	0.23	2.3	4.1	e15	e4.5	e0.62	0.06
9	e0.03	0.19	0.15	0.16	0.22	0.27	2.6	4.6	e14	e4.4	e0.58	0.07
10	e0.04	0.21	0.15	0.17	0.22	0.38	2.3	6.5	e14	e4.2	e0.60	0.08
11	e0.04	0.25	0.15	0.18	0.22	0.66	1.4	7.2	e14	e4.1	0.39	0.08
12	e0.04	0.26	0.15	0.17	0.22	0.90	0.83	7.2	e13	e4.0	0.31	0.08
13	0.06	0.25	0.15	0.16	0.22	1.3	0.84	7.7	e13	e4.0	0.27	0.08
14	0.06	0.24	0.16	0.16	0.22	1.6	1.5	9.5	e13	e3.9	0.25	0.07
15	0.07	0.24	0.17	0.15	0.21	1.4	2.5	12	e12	e3.8	0.25	0.07
16	0.07	0.22	0.19	0.15	0.22	1.2	3.1	16	e12	e3.7	0.24	e0.06
17	0.08	0.22	0.20	0.15	0.23	1.0	4.5	e26	e12	e3.5	0.22	e0.04
18	0.08	0.22	0.19	0.15	0.24	0.89	5.6	24	e11	e3.4	0.20	e0.04
19	0.08	0.21	0.19	0.15	0.24	0.84	5.3	26	e11	e3.3	0.17	e0.04
20	0.08	0.21	0.19	0.15	0.26	0.80	4.8	e27	e11	e3.3	e0.15	e0.03
21	0.09	0.20	0.18	0.15	0.26	0.78	3.9	e34	e10	e3.2	e0.13	e0.04
22	0.11	0.20	0.18	0.15	0.26	0.71	3.5	e42	e10	e3.0	e0.12	e0.05
23	0.13	0.20	0.17	0.16	0.24	0.66	3.7	e50	e10	e2.9	e0.11	e0.06
24	0.17	0.19	0.17	0.18	0.24	0.63	8.9	e58	e9.0	e2.7	e0.10	0.08
25	0.18	0.19	0.17	0.21	0.22	0.60	6.4	e68	e9.0	e2.5	e0.10	0.09
26	0.16	0.18	0.17	0.23	0.22	0.57	5.4	e66	e8.0	e2.3	e0.09	0.08
27	0.19	0.18	0.17	0.26	0.21	0.55	5.0	e60	e8.0	e2.0	e0.09	0.08
28	0.24	0.18	0.17	0.26	0.21	0.52	4.3	e52	e7.0	e1.8	e0.09	0.11
29	0.47	0.18	0.18	0.26	---	0.52	3.8	e46	e7.0	e1.6	e0.08	0.13
30	0.43	0.18	0.16	0.25	---	0.50	3.2	e40	e6.0	e1.3	e0.08	0.13
31	0.34	---	0.17	0.24	---	0.48	---	e36	---	e1.0	0.06	---
Total	3.48	6.26	5.24	5.56	6.28	19.44	91.41	749.0	390.0	111.5	10.67	2.07
Mean	0.11	0.21	0.17	0.18	0.22	0.63	3.05	24.2	13.0	3.60	0.34	0.07
Max	0.47	0.28	0.20	0.26	0.26	1.6	8.9	68	30	6.0	0.90	0.13
Min	0.02	0.17	0.15	0.15	0.21	0.19	0.46	1.9	6.0	1.0	0.06	0.03
Ac-ft	6.9	12	10	11	12	39	181	1,490	774	221	21	4.1

09372400 NORTH CREEK NEAR MONTICELLO, UT—Continued





Water-Data Report UT-2005

09376800 SPRING CREEK NEAR MONTICELLO, UT

San Juan River Basin

LOCATION.--Lat 37°53'20", long 109°27'57" referenced to North American Datum of 1927, in SE ¼ SE ¼ SE ¼ 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 mi².

WATER-DISCHARGE RECORDS

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 estimated daily discharge, 27 ft³/s, May 23, 2005, minimum daily discharge, 0.01 ft³/s, Feb 6, 2003.

EXTREMES FOR CURRENT YEAR.--Maximum estimated daily discharge, 27 ft³/s, May 23; minimum daily discharge, 0.08 ft³/s, Dec 27.

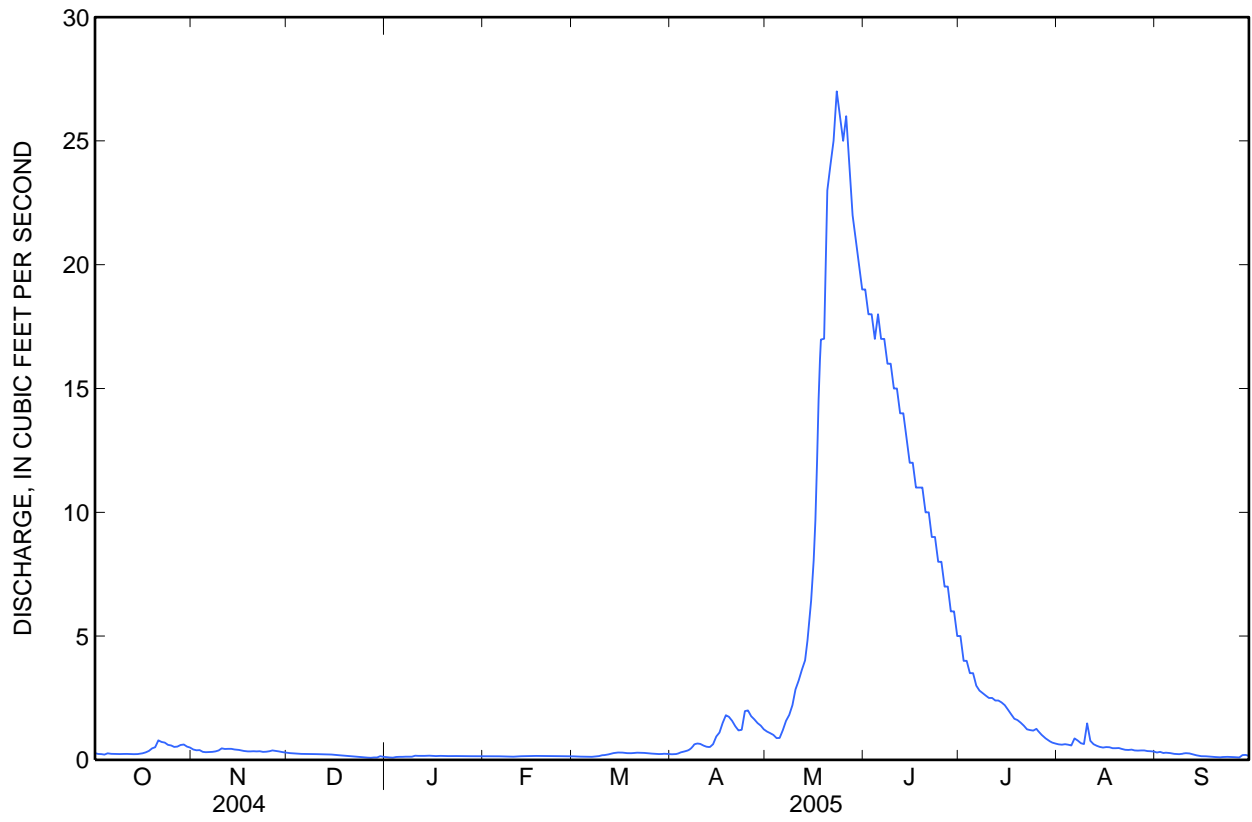
09376800 SPRING CREEK NEAR MONTICELLO, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.27	e0.42	e0.28	0.11	0.14	0.14	e0.23	1.1	e19	e5.0	0.63	0.30
2	0.24	e0.39	e0.26	0.10	0.14	0.14	0.23	1.1	e18	e4.0	0.61	0.33
3	0.23	0.39	e0.25	0.09	0.15	0.13	0.26	1.0	e18	e4.0	0.64	0.28
4	0.22	0.33	e0.25	0.11	0.15	0.13	0.31	0.88	e17	e3.5	0.61	0.29
5	0.27	0.31	e0.25	0.12	0.15	0.13	0.34	0.89	e18	e3.5	0.58	0.28
6	0.24	0.32	e0.24	0.12	0.14	0.13	0.38	1.2	e17	e3.0	0.86	0.25
7	0.24	0.32	e0.24	0.13	0.14	0.13	0.47	1.6	e17	e2.8	0.78	0.23
8	0.24	e0.34	e0.23	0.13	0.14	0.14	0.62	1.8	e16	e2.7	0.67	0.24
9	0.23	e0.38	e0.24	0.13	e0.14	0.16	0.66	2.2	e16	e2.6	0.64	0.25
10	0.24	0.46	e0.23	0.17	0.13	0.19	0.64	2.8	e15	e2.5	1.5	0.27
11	0.24	0.44	e0.23	e0.16	e0.14	0.20	0.57	3.2	e15	e2.5	0.77	0.27
12	0.23	0.44	e0.22	e0.16	0.16	0.22	0.53	3.6	e14	e2.4	0.63	0.23
13	0.24	0.44	e0.22	0.16	0.16	0.26	0.52	4.0	e14	e2.4	0.57	0.20
14	0.23	0.42	e0.21	0.16	0.16	0.28	0.63	5.1	e13	2.3	0.52	0.18
15	0.24	e0.41	e0.22	0.17	0.16	0.30	0.95	6.6	e12	2.2	0.50	0.15
16	0.27	0.39	e0.21	e0.15	0.16	e0.30	1.1	8.9	e12	2.0	0.52	0.14
17	0.31	0.35	e0.19	e0.16	0.16	0.29	1.5	13	e11	1.8	0.51	0.15
18	0.36	e0.35	e0.17	0.16	0.16	0.27	1.8	17	e11	1.7	0.47	0.12
19	0.47	e0.34	e0.16	0.16	0.16	0.28	1.7	17	e11	1.6	0.47	0.12
20	0.51	e0.35	e0.16	0.16	0.16	0.28	1.6	e23	e10	1.5	0.48	0.12
21	0.79	e0.34	e0.14	0.16	0.16	0.29	1.4	e24	e10	1.4	0.44	0.11
22	0.72	0.35	e0.14	0.16	0.16	0.29	1.2	e25	e9.0	1.2	0.41	0.11
23	e0.70	0.32	e0.12	0.16	0.16	0.28	1.2	e27	e9.0	1.2	0.40	0.12
24	0.61	e0.33	e0.11	0.16	0.16	0.26	2.0	e26	e8.0	1.2	0.41	0.12
25	0.58	e0.35	e0.10	0.15	0.16	0.26	2.0	e25	e8.0	1.3	0.38	0.12
26	0.53	0.38	e0.09	0.16	0.15	e0.25	1.8	e26	e7.0	1.1	0.38	0.10
27	e0.54	e0.36	0.08	0.16	0.14	e0.24	1.6	e24	e7.0	0.96	0.38	0.09
28	e0.60	e0.34	0.10	0.15	0.14	0.24	1.5	e22	e6.0	0.86	0.38	0.19
29	e0.62	e0.32	0.09	0.15	---	0.24	1.4	e21	e6.0	0.77	0.35	0.20
30	e0.54	e0.30	0.15	0.14	---	0.25	1.2	e20	e5.0	0.70	0.35	0.16
31	e0.50	---	0.12	0.14	---	0.23	---	e19	---	0.66	0.33	---
Total	12.25	10.98	5.70	4.50	4.23	6.93	30.34	374.97	369.0	65.35	17.17	5.72
Mean	0.40	0.37	0.18	0.15	0.15	0.22	1.01	12.1	12.3	2.11	0.55	0.19
Max	0.79	0.46	0.28	0.17	0.16	0.30	2.0	27	19	5.0	1.5	0.33
Min	0.22	0.30	0.08	0.09	0.13	0.13	0.23	0.88	5.0	0.66	0.33	0.09
Ac-ft	24	22	11	8.9	8.4	14	60	744	732	130	34	11

09376800 SPRING CREEK NEAR MONTICELLO, UT—Continued





Water-Data Report UT-2005

09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT

San Juan River Basin

LOCATION.--Lat 37°50'48", long 109°22'08" referenced to North American Datum of 1927, in NE ¼ SW ¼ SW ¼ 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 mi².

WATER-DISCHARGE RECORDS

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 fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 163 ft³/s, Nov 5, 1987, gage height, 4.17 ft; no flow many days in 2002, 2003, and 2004.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 34 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
(a) May 23	----	*72	----

Minimum daily discharge, 0.03 ft³/s, Nov 5, 8, 11.

(a) Peak is an estimated daily discharge.

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

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.04	e0.04	e0.07	e0.20	0.70	1.5	3.5	e42	e40	e3.6	0.82	0.12
2	0.04	e0.04	e0.08	0.20	0.69	1.6	5.3	e43	e35	e3.5	0.79	0.11
3	0.04	e0.04	e0.10	0.20	0.70	1.7	e7.6	e45	e30	e3.4	0.97	0.11
4	0.04	e0.04	e0.12	0.20	0.70	1.8	9.2	e48	e25	e3.2	0.85	0.13
5	0.12	0.03	e0.12	0.19	0.73	1.8	8.4	e50	e21	e3.0	0.86	0.14
6	0.04	0.04	e0.11	0.19	0.70	2.6	e9.0	e53	e17	e2.8	2.1	0.13
7	0.04	0.04	e0.10	0.18	0.70	3.1	e8.9	e52	e15	e2.7	1.1	0.12
8	0.04	0.03	e0.11	0.18	0.64	4.0	e8.9	e54	e14	3.3	0.93	0.16
9	0.04	0.06	e0.13	e0.19	0.74	5.5	e8.8	e55	e11	3.0	0.78	0.26
10	0.04	0.04	e0.15	e0.18	0.87	7.2	8.8	e57	11	3.0	e1.0	0.73
11	0.04	0.03	e0.16	e0.17	0.75	e7.5	8.0	e58	8.9	2.6	e0.70	0.25
12	0.05	0.04	e0.16	e0.16	e1.2	e8.1	e9.0	e60	7.4	2.4	e0.60	0.19
13	0.05	0.04	e0.16	e0.16	1.9	7.7	e10	e63	5.9	e2.4	0.59	0.17
14	0.04	0.04	e0.17	e0.17	1.8	5.7	e11	e60	6.1	2.2	0.55	0.17
15	0.04	0.05	e0.15	e0.15	1.9	4.6	e13	e59	8.3	2.2	0.55	0.14
16	0.04	0.04	e0.14	0.17	1.7	3.9	e15	e58	11	2.0	0.62	0.14
17	0.04	0.04	e0.16	e0.16	1.6	3.8	e16	e59	12	1.9	0.58	0.16
18	0.05	0.04	e0.18	e0.17	1.8	4.0	e17	e59	11	1.7	0.52	0.16
19	0.05	0.05	e0.18	e0.30	e2.0	4.1	e18	e62	10	1.5	0.53	0.14
20	0.04	e0.05	e0.18	e0.35	2.2	4.1	e19	e64	8.2	1.5	0.52	0.14
21	0.06	e0.04	e0.16	e0.34	1.7	3.8	e20	e66	8.5	1.4	0.52	0.17
22	0.15	e0.05	e0.14	e0.43	1.6	4.0	e24	e70	9.7	1.3	0.50	0.25
23	0.04	0.05	e0.13	e0.50	1.9	4.3	e28	e72	9.6	1.2	0.45	0.26
24	0.04	e0.04	e0.15	e0.48	1.8	3.5	e30	e70	7.7	1.3	0.41	0.18
25	0.04	e0.06	e0.18	e0.48	1.5	3.2	e32	e68	e6.0	1.6	0.35	0.17
26	0.04	0.06	e0.21	e0.48	1.5	3.3	e35	e65	e5.4	1.4	0.35	0.14
27	0.14	e0.05	e0.22	e0.47	1.4	3.8	e37	e61	e5.1	1.2	0.29	0.19
28	0.41	0.05	e0.21	e0.50	1.5	4.1	e38	e57	e4.7	1.1	0.25	0.58
29	0.07	0.05	e0.21	e0.60	---	4.3	e39	e53	e4.4	1.00	0.16	0.28
30	0.04	0.08	e0.21	e0.66	---	3.8	e40	e49	e4.1	0.96	0.13	0.24
31	0.04	---	e0.20	0.71	---	3.1	---	e45	---	0.86	0.11	---
Total	1.99	1.35	4.75	9.52	36.92	125.5	537.4	1,777	373.0	65.22	19.48	6.13
Mean	0.06	0.04	0.15	0.31	1.32	4.05	17.9	57.3	12.4	2.10	0.63	0.20
Max	0.41	0.08	0.22	0.71	2.2	8.1	40	72	40	3.6	2.1	0.73
Min	0.04	0.03	0.07	0.15	0.64	1.5	3.5	42	4.1	0.86	0.11	0.11
Ac-ft	3.9	2.7	9.4	19	73	249	1,070	3,520	740	129	39	12

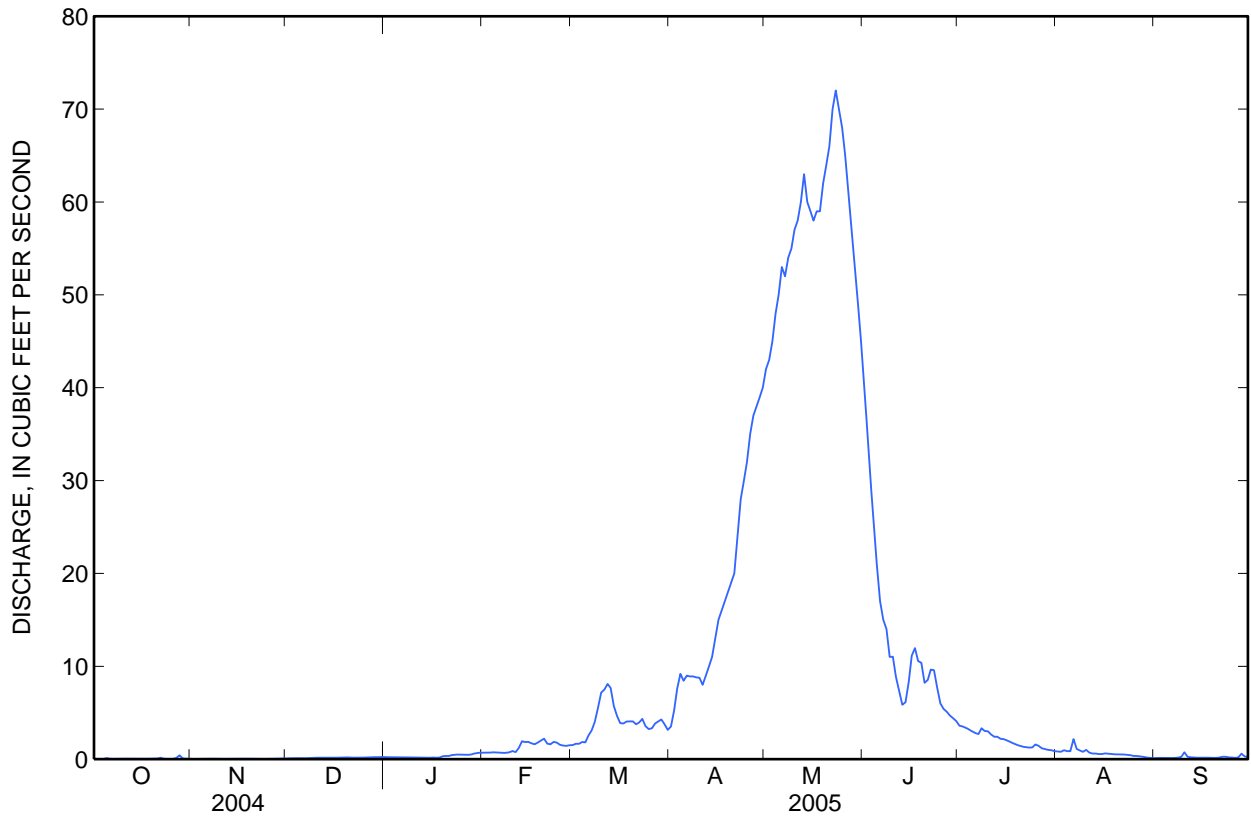
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.19	0.47	0.16	0.15	0.30	1.86	5.67	8.85	3.08	0.61	0.27	0.22
Max	0.45	5.40	0.64	0.45	1.32	5.65	19.0	57.3	12.4	3.51	0.63	0.91
(WY)	(1987)	(1988)	(1988)	(1988)	(2005)	(1995)	(1993)	(2005)	(2005)	(1995)	(2005)	(1991)
Min	0.01	0.00	0.00	0.00	0.00	0.07	0.04	0.03	0.01	0.04	0.00	0.00
(WY)	(2003)	(2003)	(2003)	(2003)	(2003)	(2002)	(2002)	(2002)	(2002)	(2003)	(2002)	(2002)

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

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1986 - 2005	
Annual total	152.66		2,958.26			
Annual mean	0.42		8.10		1.82	
Highest annual mean					8.10	2005
Lowest annual mean					0.06	2002
Highest daily mean	6.2	Mar 24	72	May 23	72	May 23, 2005
Lowest daily mean	0.00	Feb 23	0.03	Nov 5	0.00	Jun 13, 2002
Annual seven-day minimum	0.00	Feb 25	0.04	Nov 2	0.00	Jun 13, 2002
Annual runoff (ac-ft)	303		5,870		1,320	
10 percent exceeds	1.3		36		4.5	
50 percent exceeds	0.07		0.74		0.20	
90 percent exceeds	0.01		0.04		0.05	





Water-Data Report UT-2005

09378490 COAL BED CANYON NEAR DOVE CREEK, CO

San Juan River Basin

LOCATION.--Lat 37°48'41", long 109°01'25" referenced to North American Datum of 1927, in NW ¼ SW ¼ SE ¼ sec.13, T.41 N., R.20 W., Dolores County, Hydrologic Unit 14080203, on right bank 200 ft north of Highway 666, 18.6 mi east of Monticello, Utah.

DRAINAGE AREA.--97.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--July 2001 to September 30, 2005 (discontinued).

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

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

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 170 ft³/s, Sep 9, 2003, gage height, 6.18 ft; no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum estimated daily discharge, 110 ft³/s, Dec 29; no flow many days.

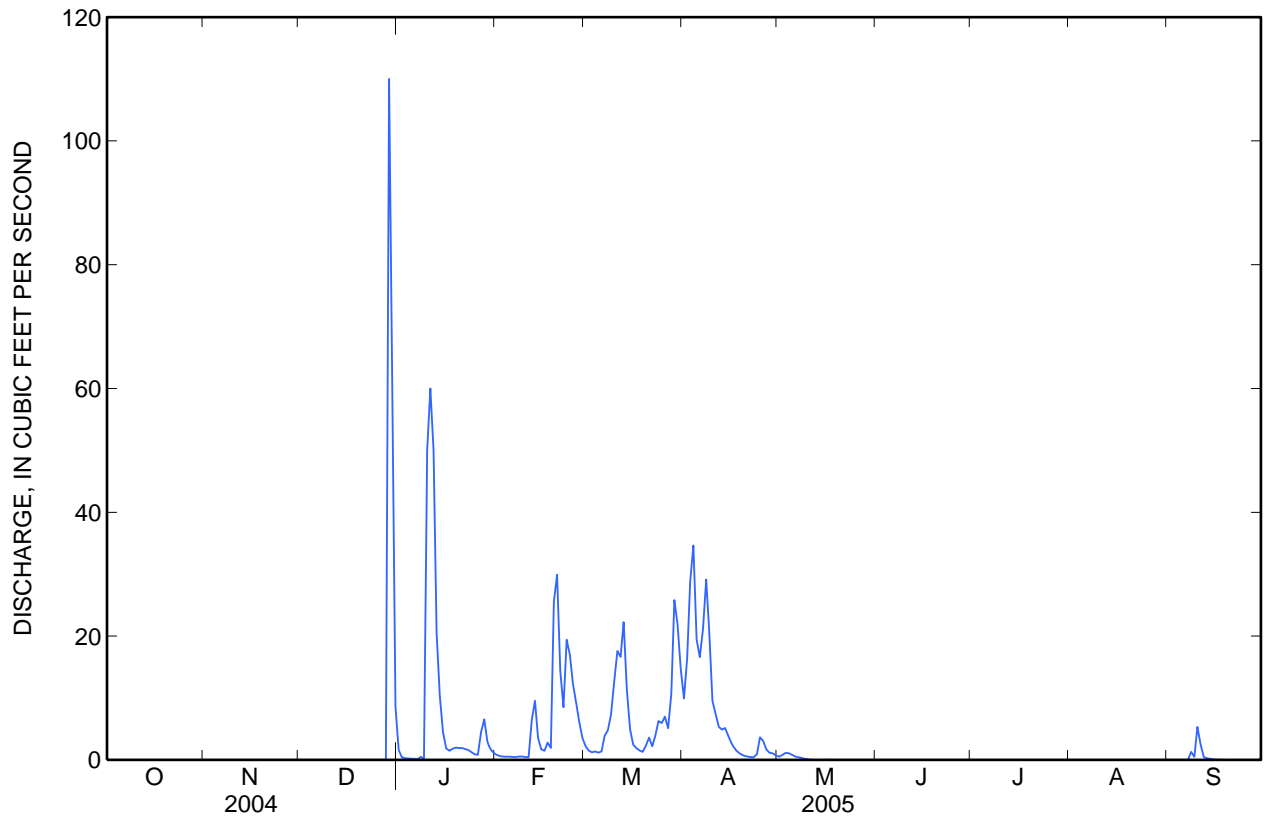
09378490 COAL BED CANYON NEAR DOVE CREEK, CO—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	e1.6	0.80	2.2	9.9	0.52	e0.00	0.00	0.00	0.00
2	0.00	0.00	0.00	0.47	0.60	1.5	16	0.77	e0.00	0.00	0.00	0.00
3	0.00	0.00	0.00	e0.26	0.55	1.2	29	1.1	e0.00	0.00	0.00	0.00
4	0.00	0.00	0.00	e0.25	0.53	1.4	35	1.1	0.00	0.00	0.00	0.00
5	0.00	0.00	0.00	e0.20	0.52	1.2	19	0.86	0.00	0.00	0.00	0.00
6	0.00	0.00	0.00	e0.18	0.48	1.4	17	0.57	0.00	0.00	0.00	0.00
7	0.00	0.00	0.00	e0.12	0.47	3.9	21	0.44	0.00	0.00	0.00	0.00
8	0.00	0.00	0.00	e0.50	0.55	4.8	29	0.35	0.00	0.00	0.00	1.3
9	0.00	0.00	0.00	e0.10	0.54	7.3	21	e0.20	0.00	0.00	0.00	0.50
10	0.00	0.00	0.00	e50	0.45	13	9.6	e0.10	0.00	0.00	0.00	5.3
11	0.00	0.00	0.00	e60	0.44	18	7.4	e0.02	0.00	0.00	0.00	2.5
12	0.00	0.00	0.00	e50	6.5	17	5.3	e0.00	0.00	0.00	0.00	0.44
13	0.00	0.00	0.00	21	9.5	22	4.9	0.00	0.00	0.00	0.00	0.27
14	0.00	0.00	0.00	10	3.5	11	5.2	0.00	0.00	0.00	0.00	e0.20
15	0.00	0.00	0.00	4.5	1.7	5.0	4.0	e0.00	0.00	0.00	0.00	e0.10
16	0.00	0.00	0.00	1.9	1.5	2.5	2.7	e0.01	0.00	0.00	0.00	e0.01
17	0.00	0.00	0.00	1.5	2.8	1.9	1.8	e0.00	0.00	0.00	0.00	e0.00
18	0.00	0.00	0.00	1.8	2.0	1.5	1.3	0.00	0.00	0.00	0.00	0.00
19	0.00	0.00	0.00	2.0	26	1.3	0.92	0.00	0.00	0.00	0.00	0.00
20	0.00	0.00	0.00	1.9	30	2.3	0.66	0.00	0.00	0.00	0.00	0.00
21	0.00	0.00	0.00	1.9	14	3.6	0.54	0.00	0.00	0.00	0.00	0.00
22	0.00	0.00	0.00	1.8	8.5	2.2	0.47	0.00	0.00	0.00	0.00	0.00
23	0.00	0.00	0.00	1.6	19	3.9	0.44	0.00	0.00	0.00	0.00	0.00
24	0.00	0.00	0.00	1.3	17	6.3	0.92	0.00	0.00	0.00	0.00	0.00
25	0.00	0.00	0.00	0.91	12	6.0	3.7	0.00	0.00	0.00	0.00	0.00
26	0.00	0.00	0.00	0.84	9.3	7.0	3.1	0.00	0.00	0.00	0.00	0.00
27	0.00	0.00	0.00	4.5	6.1	5.1	1.7	0.00	0.00	0.00	0.00	0.00
28	0.00	0.00	0.00	6.6	3.5	11	1.2	0.00	0.00	0.00	0.00	0.00
29	0.00	0.00	e110	3.1	---	26	1.1	0.00	0.00	0.00	0.00	0.00
30	0.00	0.00	e60	1.8	---	22	0.72	e0.00	0.00	0.00	0.00	0.00
31	0.00	---	8.6	1.2	---	15	---	e0.00	---	0.00	0.00	---
Total	0.00	0.00	178.60	233.83	178.83	228.5	254.57	6.04	0.00	0.00	0.00	10.62
Mean	0.00	0.00	5.76	7.54	6.39	7.37	8.49	0.19	0.00	0.00	0.00	0.35
Max	0.00	0.00	110	60	30	26	35	1.1	0.00	0.00	0.00	5.3
Min	0.00	0.00	0.00	0.10	0.44	1.2	0.44	0.00	0.00	0.00	0.00	0.00
Ac-ft	0.00	0.00	354	464	355	453	505	12	0.00	0.00	0.00	21

09378490 COAL BED CANYON NEAR DOVE CREEK, CO—Continued





Water-Data Report UT-2005

09378630 RECAPTURE CREEK NEAR BLANDING, UT

San Juan River Basin

LOCATION.--Lat 37°45'20", long 109°28'33" referenced to North American Datum of 1927, in NW ¼ NE ¼ NW ¼ 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 mi².

WATER-DISCHARGE RECORDS

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 except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 142 ft³/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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft³/s)	Gage height (ft)
Jan 10	1030	16	1.35
Mar 12	1700	29	1.53
Apr 24	0630	*75	*1.89
May 21	0800	35	1.60

No flow many days.

09378630 RECAPTURE CREEK NEAR BLANDING, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.00	0.00	0.00	0.01	e1.1	1.6	12	7.3	8.8	1.5	0.26	0.05
2	0.00	0.00	0.00	0.01	e1.1	1.9	13	6.7	8.0	1.4	0.37	0.05
3	0.00	0.00	0.00	0.01	e1.3	2.1	17	8.3	8.2	1.2	0.47	0.05
4	0.00	0.00	0.00	0.03	e1.3	2.4	18	7.8	5.0	1.0	0.35	0.05
5	0.00	0.00	0.00	0.02	e1.3	2.8	16	9.2	4.2	0.83	0.28	0.05
6	0.00	0.00	0.00	0.02	e1.3	3.6	20	13	4.6	0.67	0.34	0.05
7	0.00	0.00	0.00	0.02	e1.0	6.0	26	12	4.8	0.52	0.32	0.05
8	0.00	0.00	0.00	0.03	e0.90	8.8	18	9.9	4.4	0.42	0.24	0.06
9	0.00	0.00	0.00	0.04	e1.0	13	12	9.4	3.6	0.40	0.22	0.06
10	0.00	0.00	0.00	5.9	e1.0	16	8.0	12	3.0	0.33	0.56	0.06
11	0.00	0.00	0.00	6.9	e1.0	19	6.5	11	2.3	0.32	0.35	0.04
12	0.00	0.00	0.00	2.9	e1.1	22	7.6	8.2	1.9	0.26	0.38	0.03
13	0.00	0.00	0.00	0.97	e1.2	20	11	7.1	1.5	0.31	0.20	0.03
14	0.00	0.00	0.00	0.62	e1.2	16	16	9.1	1.4	0.37	0.14	0.03
15	0.00	0.00	0.00	0.47	e1.2	13	18	11	1.5	0.47	0.16	0.03
16	0.00	0.00	0.00	0.41	e1.2	12	19	16	1.8	0.83	0.14	0.02
17	0.00	0.00	0.00	0.48	e1.2	12	23	22	1.8	0.54	0.09	0.02
18	0.00	0.00	0.00	0.61	e1.2	12	24	21	1.7	0.33	0.06	0.02
19	0.00	0.00	0.00	0.92	e1.0	12	21	21	1.5	0.33	0.05	0.02
20	0.00	0.00	0.00	2.1	e1.0	13	16	26	2.0	0.37	0.04	0.03
21	0.00	0.00	0.00	2.8	e1.1	12	12	32	4.0	0.36	0.04	0.03
22	0.00	0.00	0.00	2.3	e1.1	12	11	26	3.5	0.43	0.04	0.03
23	0.00	0.00	0.00	2.6	1.1	13	13	26	3.2	0.45	0.04	0.03
24	0.00	0.00	0.00	2.7	1.0	13	39	25	3.5	0.48	0.04	0.02
25	0.00	0.00	0.00	2.6	1.1	12	25	23	3.1	0.91	0.05	0.02
26	0.00	0.00	0.00	2.6	1.1	12	17	23	3.0	0.67	0.05	0.02
27	0.00	0.00	0.00	2.2	1.2	12	15	19	2.6	0.55	0.05	0.02
28	0.00	0.00	0.00	1.9	1.4	12	13	16	2.3	0.48	0.05	0.04
29	0.00	0.00	0.19	1.5	---	13	9.2	14	2.2	0.37	0.05	0.07
30	0.00	0.00	0.21	1.2	---	13	7.8	14	1.8	0.32	0.05	0.03
31	0.00	---	0.04	e1.1	---	12	---	11	---	0.27	0.05	---
Total	0.00	0.00	0.44	45.97	31.70	345.2	484.1	477.0	101.2	17.69	5.53	1.11
Mean	0.00	0.00	0.01	1.48	1.13	11.1	16.1	15.4	3.37	0.57	0.18	0.04
Max	0.00	0.00	0.21	6.9	1.4	22	39	32	8.8	1.5	0.56	0.07
Min	0.00	0.00	0.00	0.01	0.90	1.6	6.5	6.7	1.4	0.26	0.04	0.02
Ac-ft	0.00	0.00	0.9	91	63	685	960	946	201	35	11	2.2

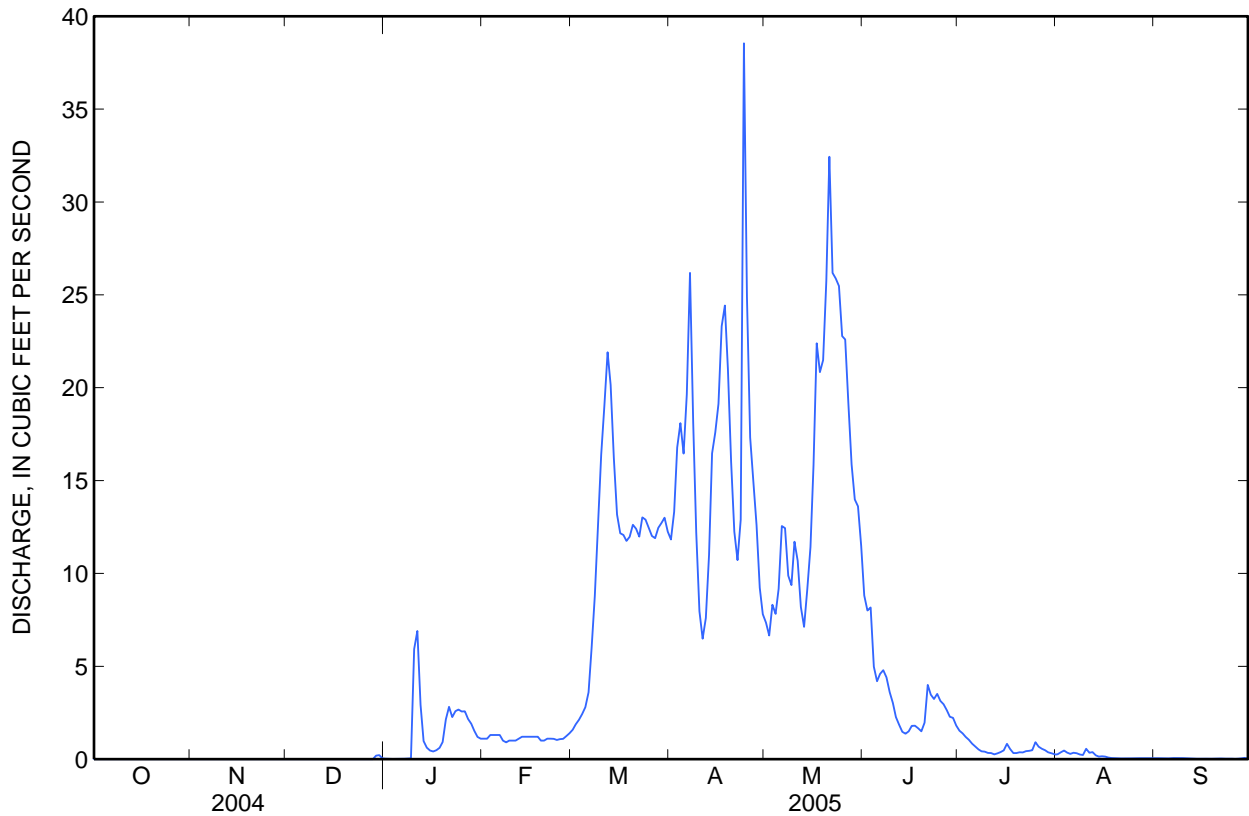
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.15	0.11	0.05	0.07	0.13	1.77	4.83	6.12	2.04	0.15	0.05	0.02
Max	4.77	2.32	0.67	1.48	1.13	11.2	16.1	25.1	13.6	1.00	0.73	0.09
(WY)	(1973)	(1988)	(1973)	(2005)	(2005)	(1993)	(2005)	(1983)	(1983)	(1995)	(1968)	(1988)
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
(WY)	(1979)	(1977)	(1977)	(1968)	(1977)	(1977)	(1977)	(2002)	(1977)	(1996)	(1972)	(1966)

09378630 RECAPTURE CREEK NEAR BLANDING, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1966 - 2005	
Annual total	139.68		1,509.94			
Annual mean	0.38		4.14		1.29	
Highest annual mean					4.60	1983
Lowest annual mean					0.00	2002
Highest daily mean	3.3	Mar 24	39	Apr 24	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)	277		2,990		938	
10 percent exceeds	1.8		14		3.6	
50 percent exceeds	0.00		0.48		0.03	
90 percent exceeds	0.00		0.00		0.00	





Water-Data Report UT-2005

09379500 SAN JUAN RIVER NEAR BLUFF, UT

San Juan River Basin

LOCATION.--Lat 37°08'49", long 109°51'51" referenced to North American Datum of 1927, in SE ¼ NE ¼ SW ¼ 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 mi².

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 except for estimated daily discharges, which are fair. 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, 1927-2005) maximum discharge, 70,000 ft³/s, Sep 10, 1927, gage height, 32.0 ft, from rating curve extended above 31,000 ft³/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 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
May 28	0530	*12,300	*11.68

Minimum discharge, 389 ft³/s, Aug 27.

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	3,830	1,300	684	1,190	1,090	1,110	1,310	3,930	9,030	2,900	753	456
2	2,170	1,150	686	876	994	1,050	1,240	3,710	8,200	2,840	913	425
3	1,620	1,150	696	733	948	1,010	1,220	3,710	8,140	2,680	953	414
4	1,400	969	672	1,360	880	997	1,310	3,720	8,420	2,540	744	405
5	1,300	891	714	1,430	924	971	1,520	3,860	8,240	2,440	570	444
6	1,160	870	737	1,120	900	924	1,770	4,560	7,140	2,220	568	614
7	1,120	850	745	1,030	905	941	1,830	5,250	6,650	2,050	645	573
8	1,060	822	678	789	1,050	941	2,040	5,410	6,660	1,940	1,730	825
9	1,130	839	663	844	1,010	970	2,590	5,390	6,730	1,820	1,750	2,130
10	899	993	657	1,740	989	1,100	3,030	5,200	6,860	1,720	1,550	3,260
11	839	1,100	646	3,520	958	1,220	2,820	5,370	6,740	1,640	1,630	1,970
12	806	983	649	6,290	2,470	1,400	2,540	5,760	6,470	1,640	2,560	1,350
13	854	992	629	3,520	3,230	1,560	2,350	5,830	6,150	1,520	1,650	1,150
14	817	908	604	1,760	4,030	1,730	2,580	6,090	5,950	1,440	1,570	1,030
15	774	938	595	1,140	2,570	1,830	2,950	e6,150	5,650	1,360	1,650	923
16	777	886	610	904	1,640	1,740	3,380	e6,300	5,760	1,430	1,580	691
17	797	856	615	780	1,480	1,560	3,740	6,470	6,120	1,450	2,170	567
18	837	846	650	769	1,680	1,430	4,180	7,080	6,280	1,400	1,870	528
19	803	827	633	777	1,650	1,460	4,650	7,700	6,180	1,350	1,430	506
20	808	857	620	755	2,980	1,440	4,770	8,560	6,100	1,230	1,180	492
21	668	1,280	623	767	4,630	1,400	4,650	8,980	5,310	1,160	928	470
22	676	1,510	613	786	2,710	1,410	4,100	9,590	5,130	1,070	752	444
23	662	1,120	579	791	2,300	1,350	3,650	10,100	5,230	987	616	471
24	678	1,020	604	854	e1,660	1,300	3,710	10,600	5,070	945	562	624
25	677	900	596	835	1,710	1,320	4,820	11,200	4,660	902	462	650
26	676	840	516	847	1,810	1,480	5,770	11,600	4,190	1,310	439	686
27	675	759	451	1,320	1,520	1,530	4,860	12,000	3,880	1,310	402	672
28	875	718	590	1,750	1,250	1,430	4,310	12,100	3,600	1,200	475	828
29	1,030	696	745	1,770	---	1,410	4,410	11,800	3,310	1,120	534	1,320
30	1,230	701	3,330	1,330	---	1,440	4,200	10,900	3,130	976	527	3,010
31	1,510	---	2,080	1,120	---	1,470	---	9,730	---	843	499	---
Total	33,158	28,571	23,910	43,497	49,968	40,924	96,300	228,650	180,980	49,433	33,662	27,928
Mean	1,070	952	771	1,403	1,785	1,320	3,210	7,376	6,033	1,595	1,086	931
Max	3,830	1,510	3,330	6,290	4,630	1,830	5,770	12,100	9,030	2,900	2,560	3,260
Min	662	696	451	733	880	924	1,220	3,710	3,130	843	402	405
Ac-ft	65,770	56,670	47,430	86,280	99,110	81,170	191,000	453,500	359,000	98,050	66,770	55,400

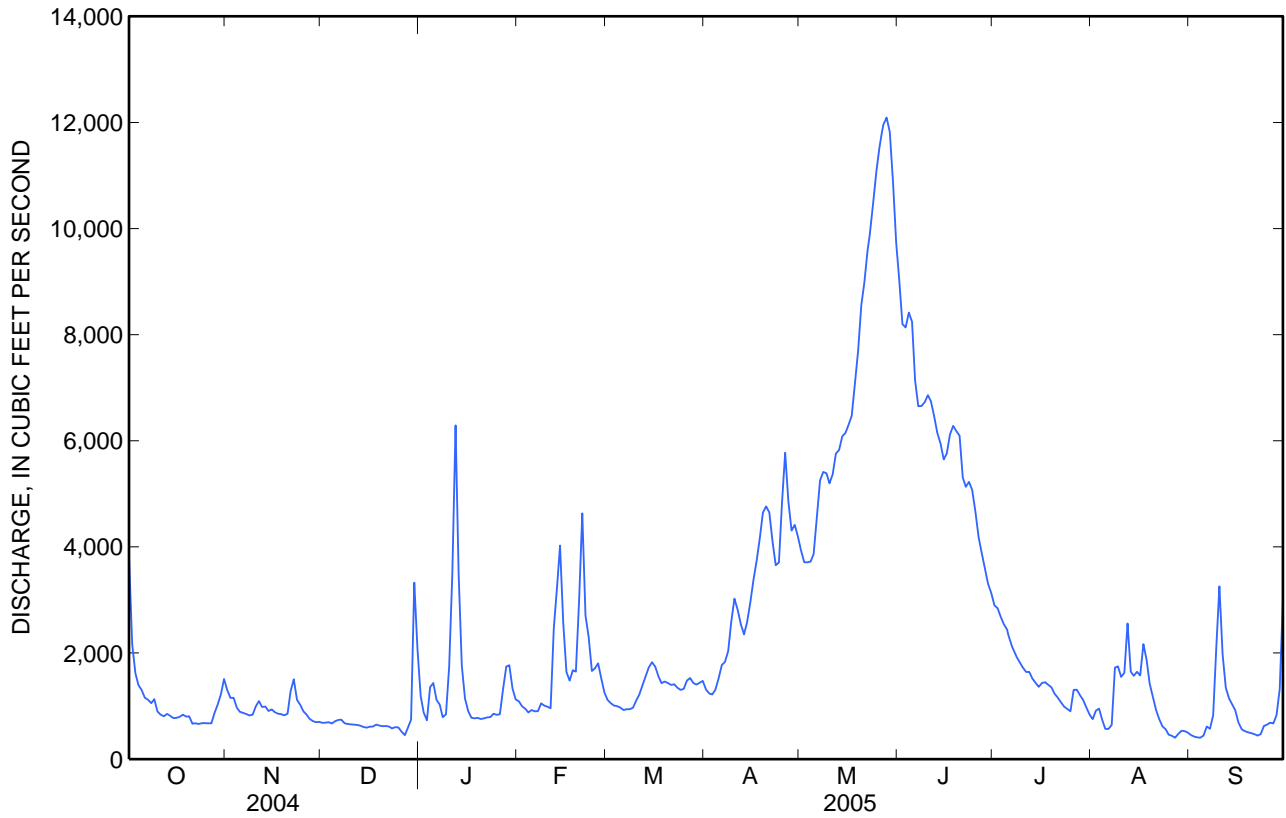
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1915-17, 1927-2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1,514	1,214	1,079	1,102	1,395	1,823	3,325	5,152	5,497	2,433	1,735	1,635
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	516	463	399	339	479	236	80.4	64.5
(WY)	(1957)	(1935)	(1957)	(1931)	(2004)	(1964)	(1977)	(1977)	(2002)	(1963)	(1939)	(1956)

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1915-17, 1927-2005	
Annual total	382,471		836,981			
Annual mean	1,045		2,293		2,227	
Highest annual mean					5,859	1941
Lowest annual mean					742	2002
Highest daily mean	4,420	Apr 6	12,100	May 28	52,000	Jun 30, 1927
Lowest daily mean	238	Aug 12	402	Aug 27	0.00	Jul 3, 1934
Annual seven-day minimum	270	Aug 11	453	Aug 30	0.00	Jul 3, 1934
Annual runoff (ac-ft)	758,600		1,660,000		1,614,000	
10 percent exceeds	2,160		6,010		5,420	
50 percent exceeds	748		1,300		1,220	
90 percent exceeds	417		618		491	



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.

INSTRUMENTATION.--Water-quality monitor October 1980 to September 6, 1999, July 15, 2000 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 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, 2,460 microsiemens/cm, Aug 2; minimum, 275 microsiemens/cm, Jun 25, 26.

WATER TEMPERATURE: Maximum, 29.5°C, Jul 21; minimum, 0.1°C, Dec 23-28.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Date	Time	Gage height, feet (00065)	Instantaneous discharge, cfs (00061)	pH, water, unfltrd 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)
Dec								
01...	0950	4.10	690	8.3	890	5.0	1.0	604
Feb								
24...	1000	5.05	1,660	8.0	920	9.0	9.0	609
Apr								
06...	0930	5.14	1,840	8.4	730	14.5	11.0	490
May								
17...	0930	8.34	6,380	8.3	370	15.0	22.0	224
Jul								
01...	0915	5.75	2,850	8.2	360	28.0	20.0	223
Aug								
03...	1000	4.24	1,070	7.7	730	31.0	25.0	474
Sep								
21...	0935	3.56	469	8.4	840	20.0	19.0	574

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	878	753	783	761	735	749	928	905	915	737	666	702
2	756	689	709	754	738	746	908	850	883	802	737	770
3	689	669	677	740	737	739	863	762	818	834	781	801
4	675	671	673	739	735	737	789	782	784	977	749	801
5	688	674	678	745	737	741	799	782	787	782	690	733
6	688	672	678	757	744	750	846	708	803	795	761	772
7	709	671	681	794	757	785	842	837	840	812	785	795
8	706	682	686	810	790	797	844	833	838	791	785	787
9	703	683	697	814	807	811	876	837	861	855	791	831
10	702	684	690	825	808	816	897	875	890	854	667	774
11	698	688	694	825	818	822	899	883	892	704	577	648
12	710	696	701	818	815	816	891	878	883	667	557	610
13	759	696	723	870	816	837	891	863	878	707	655	688
14	753	740	744	834	830	832	891	878	883	689	672	675
15	743	732	737	839	834	837	900	878	891	680	672	675
16	753	739	746	838	836	837	905	885	894	697	679	690
17	770	744	760	841	836	838	901	866	881	955	696	797
18	773	764	770	842	838	840	882	846	864	1,010	904	971
19	764	761	763	844	839	842	852	815	834	996	963	989
20	767	762	764	849	843	846	860	817	838	1,010	963	990
21	766	762	764	852	746	830	860	814	835	1,000	982	990
22	765	760	762	793	743	771	870	818	845	992	967	981
23	772	759	764	803	792	796	887	850	871	982	970	975
24	774	763	768	812	803	808	854	676	745	973	950	966
25	780	765	771	821	812	816	754	591	646	952	938	945
26	788	768	776	830	821	826	716	594	634	940	917	933
27	787	782	784	830	819	827	770	709	732	920	742	875
28	794	782	788	830	822	826	941	695	806	785	705	757
29	784	744	764	930	825	888	941	816	880	854	782	820
30	788	756	774	929	923	926	816	383	608	861	845	851
31	791	740	768	---	---	---	666	383	585	850	823	836
Month	878	669	737	930	735	811	941	383	818	1,010	557	820

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

**SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005**

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	854	829	844	942	938	940	759	744	750	490	466	477
2	878	854	865	946	939	942	753	748	750	492	479	485
3	888	842	872	968	946	954	753	731	741	593	482	499
4	919	847	896	970	966	968	749	738	745	556	516	535
5	892	858	878	966	954	961	743	705	722	551	538	545
6	877	848	865	956	944	951	705	659	676	550	478	514
7	870	836	854	948	944	946	678	650	663	478	435	454
8	872	838	855	947	937	942	663	606	626	435	411	424
9	872	833	847	948	940	944	610	563	593	411	405	408
10	856	840	848	944	926	938	563	506	536	408	405	406
11	864	847	857	929	896	913	508	487	497	408	397	403
12	875	629	745	903	856	878	504	488	494	397	374	385
13	861	678	761	864	821	841	526	504	512	374	369	371
14	937	829	878	821	740	779	538	526	534	372	369	371
15	839	827	834	742	695	718	530	505	518	371	368	369
16	840	830	833	727	694	706	505	477	490	369	361	365
17	895	840	854	709	678	693	477	447	460	365	359	361
18	956	895	922	691	688	689	452	426	436	361	346	350
19	1,000	954	971	693	684	689	426	401	412	346	325	332
20	1,000	929	963	693	689	691	403	385	392	350	327	338
21	985	944	971	701	693	696	409	380	388	349	325	336
22	992	983	985	715	700	706	409	391	397	349	336	340
23	1,030	992	1,020	741	715	729	421	400	407	362	341	352
24	1,040	1,030	1,030	759	738	747	445	418	424	354	344	351
25	1,050	924	990	766	753	757	451	415	427	350	336	345
26	978	952	966	776	766	772	487	439	464	350	332	340
27	962	948	957	774	758	764	480	451	463	341	328	330
28	948	942	945	762	753	757	466	456	459	329	319	323
29	---	---	---	762	755	758	460	447	454	322	315	318
30	---	---	---	768	761	764	466	450	456	319	310	315
31	---	---	---	766	753	760	---	---	---	318	309	311
Month	1,050	629	897	970	678	816	759	380	530	593	309	389

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	314	304	309	373	351	361	649	642	645	681	664	675
2	319	314	317	374	365	370	2,460	649	821	689	676	682
3	317	305	309	377	364	370	2,120	752	1,010	701	689	696
4	306	293	298	390	374	380	850	796	812	703	696	699
5	311	293	299	393	382	386	798	790	796	729	698	714
6	331	311	321	404	393	395	790	782	786	748	716	730
7	339	331	334	426	404	413	797	789	791	748	704	723
8	339	324	331	438	426	432	993	763	830	893	529	689
9	324	315	319	438	430	433	1,010	775	874	1,030	581	709
10	315	308	311	453	435	441	1,250	728	869	1,030	700	803
11	311	303	307	474	443	456	932	645	739	865	809	835
12	336	311	325	475	468	473	1,520	630	806	887	865	878
13	348	333	339	490	475	482	807	591	648	876	844	861
14	349	344	346	491	483	486	807	710	758	849	810	825
15	352	344	347	496	487	492	850	648	744	811	740	777
16	353	347	352	498	489	494	887	675	783	742	692	713
17	347	326	337	502	489	497	847	693	748	706	693	698
18	327	305	317	499	486	493	851	713	798	755	706	728
19	305	292	298	508	497	502	783	686	722	789	755	772
20	292	287	289	509	493	499	705	643	656	799	789	794
21	291	288	289	523	509	515	701	643	671	798	778	788
22	295	289	292	535	523	529	698	677	688	790	773	783
23	300	290	294	558	528	545	678	674	676	787	771	779
24	292	278	285	566	551	559	685	676	680	794	778	785
25	279	275	278	575	553	568	708	685	696	779	760	770
26	291	275	283	685	566	590	729	707	718	773	701	731
27	328	291	306	706	622	653	748	725	738	735	706	723
28	385	323	344	682	618	635	763	733	744	744	730	737
29	333	322	328	682	653	665	777	763	770	730	639	711
30	357	331	342	671	644	651	774	721	749	930	599	688
31	---	---	---	647	636	642	721	681	698	---	---	---
Month	385	275	315	706	351	497	2,460	591	757	1,030	529	750
Year	2,460	275	677									

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	15.8	14.7	15.3	9.1	7.0	7.8	2.2	0.5	1.2	4.2	3.3	3.6
2	16.1	14.3	15.3	7.2	5.4	6.3	1.5	0.2	0.6	3.9	3.1	3.5
3	16.9	15.1	16.0	6.5	4.7	5.7	0.2	0.2	0.2	4.7	3.5	4.1
4	17.4	15.6	16.6	7.0	4.9	6.0	0.2	0.2	0.2	4.8	4.4	4.7
5	18.1	16.1	17.2	8.0	5.6	6.7	0.2	0.2	0.2	4.6	3.9	4.2
6	17.7	16.0	16.8	8.6	6.3	7.3	1.9	0.2	0.9	4.1	3.3	3.7
7	17.9	15.4	16.6	8.2	6.9	7.6	2.2	1.1	1.7	3.7	2.6	3.0
8	17.4	14.9	16.3	9.8	7.9	8.8	4.1	2.2	3.1	3.6	2.5	3.0
9	17.3	15.2	16.3	10.5	9.0	9.5	5.0	3.1	3.9	5.0	3.5	4.2
10	16.9	15.1	16.0	10.0	8.4	9.2	5.8	3.8	4.5	6.1	5.0	5.5
11	15.9	14.9	15.4	9.8	8.8	9.3	5.7	3.8	4.5	6.4	5.6	6.0
12	17.1	14.0	15.3	9.3	8.3	8.7	4.9	3.6	4.4	5.6	4.0	4.5
13	16.9	15.0	15.8	8.3	7.8	8.1	5.2	4.4	4.9	4.0	2.8	3.2
14	15.4	13.1	14.3	8.5	6.9	7.6	5.8	4.3	4.8	3.4	2.7	2.9
15	15.1	12.4	13.7	8.5	6.8	7.6	5.7	4.0	4.8	3.2	2.0	2.5
16	14.8	12.6	13.7	9.0	7.6	8.3	4.5	2.8	3.5	3.3	1.7	2.4
17	14.7	12.8	13.7	9.4	7.6	8.5	3.8	2.1	2.9	4.3	2.1	3.0
18	14.3	12.7	13.4	9.4	7.7	8.4	3.4	1.5	2.3	4.4	2.5	3.3
19	13.9	12.8	13.3	9.1	7.4	8.1	3.1	1.1	1.9	5.0	3.0	3.8
20	14.3	12.3	13.1	8.4	7.1	7.9	2.7	0.8	1.7	5.4	3.3	4.2
21	14.3	12.8	13.4	8.3	7.3	7.7	3.5	1.8	2.4	5.9	3.8	4.7
22	12.8	11.5	12.1	7.6	6.9	7.3	2.6	0.5	1.6	6.2	4.2	5.1
23	12.8	10.3	11.4	8.1	6.8	7.4	0.7	0.1	0.3	6.4	4.3	5.2
24	12.7	10.7	11.4	7.6	6.3	6.8	0.1	0.1	0.1	6.0	4.3	5.1
25	12.6	10.5	11.3	6.7	5.5	6.1	0.1	0.1	0.1	6.3	4.4	5.2
26	13.3	10.4	11.6	7.3	5.7	6.3	0.1	0.1	0.1	6.3	5.0	5.7
27	13.0	12.0	12.5	6.3	5.5	5.8	0.1	0.1	0.1	7.2	6.3	6.6
28	12.4	11.3	11.9	5.8	4.6	5.3	1.3	0.1	0.4	6.8	5.4	6.2
29	11.3	9.7	10.6	4.6	2.5	3.5	3.4	0.6	2.2	6.6	6.1	6.4
30	10.9	9.1	10.1	3.2	1.2	2.2	4.0	3.1	3.7	7.0	5.8	6.3
31	10.3	9.0	9.6	---	---	---	3.5	3.0	3.3	7.1	6.0	6.4
Month	18.1	9.0	13.9	10.5	1.2	7.2	5.8	0.1	2.1	7.2	1.7	4.5

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	7.4	5.5	6.4	9.7	7.6	8.5	10.9	7.9	9.6	13.5	12.2	12.9
2	6.5	5.0	5.6	9.7	7.9	8.8	12.3	9.0	10.8	14.8	12.0	13.4
3	5.9	4.2	4.9	9.2	8.1	8.6	14.3	11.4	12.9	15.1	13.8	14.4
4	5.7	3.7	4.5	9.7	7.4	8.5	13.7	11.9	12.6	15.9	13.7	14.8
5	5.7	3.8	4.6	9.5	8.4	9.0	12.4	9.4	11.1	16.6	14.5	15.6
6	6.6	4.2	5.3	11.4	8.4	9.8	13.3	10.5	12.1	16.0	14.5	15.0
7	7.1	5.7	6.3	12.1	9.9	10.9	14.6	11.7	13.3	14.5	12.8	13.7
8	6.9	5.3	6.0	12.5	10.2	11.3	14.6	12.9	13.9	14.6	12.0	13.4
9	6.1	4.4	5.2	12.6	10.1	11.4	13.7	11.4	12.1	15.3	12.9	14.1
10	5.7	4.7	5.1	12.8	10.5	11.7	12.1	10.2	11.2	14.8	13.5	14.1
11	5.5	5.1	5.3	13.0	10.7	12.0	11.8	9.5	10.6	14.6	12.3	13.4
12	6.9	5.5	6.2	13.0	10.9	12.1	12.5	9.6	11.1	14.2	12.4	13.3
13	7.6	6.3	6.9	12.9	11.3	12.1	13.9	10.9	12.4	15.1	12.7	13.8
14	7.7	6.8	7.3	11.9	8.5	10.2	15.4	12.3	13.9	14.8	13.2	14.1
15	8.1	6.7	7.3	8.5	7.0	7.7	15.5	13.5	14.6	15.8	13.4	14.5
16	9.3	8.0	8.6	8.1	6.1	7.4	15.9	13.4	14.7	15.7	14.0	15.0
17	9.2	8.1	8.7	9.4	7.2	8.4	15.9	14.1	15.2	15.4	13.9	14.6
18	8.7	8.1	8.3	11.0	8.3	9.8	15.8	13.7	14.7	15.1	13.4	14.3
19	8.6	7.7	8.1	10.8	9.6	10.1	14.8	12.8	13.7	15.4	13.6	14.6
20	8.6	7.7	8.1	10.4	9.1	9.6	13.8	12.0	12.6	15.7	14.1	14.9
21	8.0	6.7	7.3	10.7	8.8	9.9	13.2	10.6	11.9	16.0	14.6	15.4
22	8.7	7.5	8.1	11.4	9.1	10.4	13.4	11.5	12.5	16.5	14.5	15.5
23	9.0	8.3	8.6	11.6	10.4	11.1	14.8	11.7	13.3	17.0	15.0	16.0
24	9.0	8.1	8.5	11.2	9.4	10.5	14.8	13.7	14.2	17.4	15.4	16.4
25	8.7	7.5	8.2	11.4	10.4	10.9	14.6	12.4	13.5	17.5	15.7	16.7
26	8.0	7.0	7.5	11.3	8.8	10.3	14.0	12.1	13.2	17.5	15.6	16.6
27	7.7	6.5	7.3	11.6	9.4	10.8	13.8	12.5	13.2	17.4	15.6	16.7
28	8.4	6.8	7.7	11.5	10.4	10.9	13.3	12.2	12.7	17.3	15.6	16.6
29	---	---	---	11.8	9.4	10.7	13.2	11.0	12.2	17.0	15.4	16.3
30	---	---	---	11.1	9.6	10.4	13.2	10.7	12.1	16.7	15.0	15.7
31	---	---	---	10.4	8.0	9.3	---	---	---	15.7	14.5	15.1
Month	9.3	3.7	6.9	13.0	6.1	10.1	15.9	7.9	12.7	17.5	12.0	14.9

09379500 SAN JUAN RIVER NEAR BLUFF, UT—Continued

TEMPERATURE, WATER, DEGREES CELSIUS
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	15.4	14.1	14.9	22.0	19.4	20.8	28.2	25.4	26.8	24.5	19.8	22.1
2	15.8	14.5	15.2	22.4	20.0	21.3	27.4	22.9	26.1	26.2	21.5	23.4
3	15.6	14.1	14.9	22.6	20.2	21.5	26.9	22.9	25.5	25.4	22.6	23.9
4	14.4	12.8	13.7	23.5	20.5	22.0	26.0	24.3	25.1	26.6	22.1	24.0
5	15.0	13.3	14.2	24.0	21.4	22.8	26.7	23.7	24.9	26.5	22.7	24.3
6	16.0	14.1	15.0	24.2	21.4	22.9	26.6	24.2	25.1	25.8	23.1	24.3
7	16.5	14.6	15.5	24.5	21.4	23.1	27.6	23.5	25.2	25.6	23.2	24.2
8	16.5	14.6	15.6	24.8	22.0	23.5	26.8	24.9	26.0	24.3	22.2	23.3
9	15.7	14.9	15.3	24.8	22.1	23.6	26.4	24.1	25.3	23.4	15.9	20.8
10	15.7	14.3	14.9	25.0	22.3	23.7	26.1	24.4	25.1	21.0	19.0	19.9
11	15.1	13.9	14.6	25.7	22.3	24.1	25.4	22.6	24.6	20.9	19.2	20.1
12	15.7	13.7	14.6	26.8	23.2	25.0	25.9	21.8	24.0	20.3	18.1	19.4
13	16.3	13.8	15.0	27.8	24.2	26.1	25.7	23.4	24.5	20.1	18.1	19.2
14	17.4	14.8	16.0	28.7	25.3	27.0	25.3	23.0	24.2	20.0	17.5	18.8
15	18.2	15.8	16.9	28.5	25.2	26.9	24.4	22.9	23.7	20.3	17.2	18.7
16	18.4	15.8	17.1	28.5	25.1	27.0	24.9	22.4	23.8	21.0	17.5	19.1
17	18.1	16.1	17.0	28.5	25.5	27.1	24.7	22.6	23.8	21.2	17.4	19.1
18	18.4	16.1	17.2	28.0	25.1	26.7	24.2	22.2	23.3	21.3	17.2	18.9
19	18.7	16.4	17.5	28.0	25.0	26.6	23.6	21.9	22.6	22.0	17.2	19.3
20	19.0	16.8	17.8	28.8	25.4	27.1	23.5	20.7	22.1	21.3	18.6	19.7
21	19.9	17.4	18.6	29.5	26.0	27.7	24.5	21.1	22.9	21.4	18.4	19.7
22	19.9	18.3	19.2	29.1	26.1	27.5	24.9	22.1	23.5	23.3	19.6	21.1
23	20.3	18.4	19.3	29.1	25.5	27.2	25.6	22.6	23.9	22.9	19.7	21.1
24	20.6	18.6	19.6	28.6	25.6	27.0	26.2	22.2	24.1	21.7	19.1	20.3
25	20.8	18.8	19.7	28.3	25.6	26.8	26.2	23.0	24.5	20.8	17.3	19.0
26	20.7	18.1	19.4	27.8	23.0	25.9	27.1	23.0	24.8	20.8	17.4	19.1
27	20.5	17.8	19.2	27.0	23.9	25.6	27.4	22.7	24.6	21.5	18.8	20.1
28	20.1	18.3	19.1	27.3	24.7	26.1	26.0	22.4	23.9	21.2	18.8	19.9
29	20.6	17.4	18.9	27.5	24.6	26.2	25.3	21.3	23.2	19.6	15.8	18.3
30	21.3	18.4	19.9	28.2	25.1	26.8	25.4	21.7	23.4	17.3	14.5	16.0
31	---	---	---	28.2	25.6	26.9	25.0	21.5	23.1	---	---	---
Month	21.3	12.8	16.9	29.5	19.4	25.2	28.2	20.7	24.3	26.6	14.5	20.6
Year	29.5	0.1	13.3									



Water-Data Report UT-2005

**09380000 COLORADO RIVER AT LEES FERRY, AZ
(National stream-quality accounting network)**

COLORADO RIVER MAIN STEM

LOCATION.--Lat 36°51'53", long 111°35'15", in NE_{1/4}SE_{1/4} 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 mi², approximately, including 3,959 mi² 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, 42,500 ft³/s, Nov. 22 at 1630, gage height, 13.55 ft. Minimum daily discharge, 6,850 ft³/s, Jan. 2.

09380000 COLORADO RIVER AT LEES FERRY, AZ—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	8280	8160	9890	7480	14200	14200	14300	8720	12700	14600	14700	12700		
2	7410	8130	9870	6850	14200	14300	14400	10300	13600	13600	14900	11100		
3	7610	7970	9170	13400	14200	14300	7770	10400	13900	13000	14900	8840		
4	8010	8030	8010	14300	14200	14200	13400	10400	12800	13000	14900	8420		
5	8290	8080	8380	14300	14200	14200	14400	10500	12600	14400	15000	8400		
6	8260	7370	9920	14300	7760	7740	14300	10500	13800	14600	13800	8310		
7	8300	7710	9850	14300	13200	13200	14300	10300	14000	14600	12700	8290		
8	8260	8330	9850	14200	14000	14200	14300	9110	14000	14600	14700	8320		
9	7360	8370	9860	7770	14300	14200	8310	10300	14000	13800	15000	8330		
10	7490	8240	9910	13300	14300	14100	7350	10500	13900	12900	15000	8260		
11	8210	8250	9720	14200	14300	14200	7380	10400	12800	14500	15000	8300		
12	8280	8230	9570	14300	14300	14200	7330	10400	12500	14800	15000	8290		
13	8290	8320	9850	14300	7820	7740	7310	10400	13800	14900	13900	8360		
14	8290	8210	9900	14200	13300	13300	7350	10200	13900	14800	12700	8340		
15	8260	8250	9890	14200	14100	14200	7360	9030	13900	14800	14400	8330		
16	7480	8220	9900	7750	14200	14200	7340	10300	14000	13800	15000	8410		
17	7590	7340	9880	13300	14200	14200	7310	10400	14500	13000	15000	8360		
18	8260	7970	9720	14200	13800	14300	7280	10400	13200	14700	14900	8400		
19	8250	8100	9580	14200	14200	14300	7320	10500	13000	14700	14900	8370		
20	8310	8340	9840	14200	7760	7830	7340	10400	14500	14700	13800	8410		
21	8290	25700	9880	14100	13200	13300	7380	10300	14700	14600	12700	8310		
22	8260	41000	9860	14200	14200	14300	7340	9020	13400	14600	14600	8300		
23	7470	41900	10100	7760	14200	14300	7340	10200	14300	13600	14900	8270		
24	7530	40700	10000	13300	14100	14400	7390	10400	11600	13000	14900	8290		
25	8290	17100	9630	14300	14200	14300	7300	10500	8820	14500	15500	8760		
26	8340	7970	9700	14300	14300	14300	7560	9630	9860	14600	15600	8890		
27	8310	7940	10000	14300	7800	7830	7360	7990	13400	14600	14800	8920		
28	8260	7960	9900	14100	13300	13400	7410	7900	14300	14600	13200	8500		
29	8230	7920	10000	14200	---	14300	7310	7910	14600	14400	15200	8320		
30	7500	7880	9640	7750	---	14400	7330	7950	14600	13500	15400	8330		
31	7530	---	9570	13200	---	14100	---	7870	---	12100	13500	---		
TOTAL	248500	367690	300840	396560	367840	412040	269870	303130	400980	437900	450500	259430		
MEAN	8016	12260	9705	12790	13140	13290	8996	9778	13370	14130	14530	8648		
MAX	8340	41900	10100	14300	14300	14400	14400	10500	14700	14900	15600	12700		
MIN	7360	7340	8010	6850	7760	7740	7280	7870	8820	12100	12700	8260		
MED	8260	8180	9860	14200	14200	14200	7360	10300	13900	14600	14900	8350		
AC-FT	492900	729300	596700	786600	729600	817300	535300	601300	795300	868600	893600	514600		
CFSM	0.07	0.11	0.09	0.11	0.12	0.12	0.08	0.09	0.12	0.13	0.13	0.08		
CAL YR	2004TOTAL	4314840	MEAN	11790	MAX	41900	MIN	7340	MED	11400	AC-FT	8558000	CFSM	0.11
WTR YR	2005TOTAL	4215280	MEAN	11550	MAX	41900	MIN	6850	MED	10500	AC-FT	8361000	CFSM	0.10

09381500 PARIA RIVER NEAR CANNONVILLE, UT

Paria River Basin

LOCATION.--Lat 37°28'52", long 112°01'15" referenced to North American Datum of 1927, in NE ¼ SE ¼ SE ¼ sec.20, T.38 S., R.2 W., Kane 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 mi².

WATER-DISCHARGE RECORDS

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 for flows less than 2 ft³/s and estimated days, which are poor. Several diversions above station for irrigation and stock watering.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,600 ft³/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, 3,390 ft³/s, Jan 11, gage height, 19.20 ft; minimum daily discharge, 0.03 ft³/s, Sep 21.

09381500 PARIA RIVER NEAR CANNONVILLE, UT—Continued

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.2	1.1	e5.0	1.2	22	26	19	24	21	7.8	0.15	3.1
2	0.54	2.4	e4.8	1.0	19	28	25	29	25	3.0	2.2	1.9
3	0.19	0.93	e4.5	0.66	e16	38	28	30	28	0.61	e12	1.7
4	0.13	0.51	e4.2	1.8	e15	29	29	24	20	0.42	e3.0	1.9
5	0.92	0.32	e5.0	2.4	e16	33	22	20	16	0.30	e1.2	1.8
6	1.3	0.29	e6.0	0.95	e18	39	29	29	14	0.21	e5.0	1.2
7	0.92	0.83	e4.5	e0.70	20	42	37	26	12	0.17	e18	0.96
8	0.20	409	e3.5	e0.60	15	46	43	20	15	0.14	e60	0.79
9	0.22	23	e2.5	70	e12	54	37	15	14	0.17	e300	0.83
10	0.70	3.4	e1.8	234	e13	58	25	16	6.8	0.15	e50	0.86
11	0.28	1.4	1.4	1,180	e25	48	24	15	8.8	0.13	e15	1.1
12	0.34	2.0	1.4	e550	e42	49	26	15	13	0.16	e14	1.3
13	0.45	8.2	1.1	e280	58	42	32	15	9.9	0.16	e16	2.4
14	0.34	5.0	0.93	e150	87	28	35	13	5.5	0.27	43	1.8
15	0.50	3.2	e1.8	e50	61	e24	34	10	11	0.28	38	0.58
16	0.62	1.4	e2.5	e50	57	e19	34	14	14	0.21	31	0.96
17	0.66	1.6	e3.2	50	43	18	35	14	6.2	0.23	25	1.6
18	1.3	0.94	e3.8	53	71	18	35	7.8	8.9	0.26	18	1.5
19	38	0.72	e4.5	64	73	21	30	11	7.3	0.28	18	0.62
20	101	0.70	e5.0	69	55	31	23	18	5.2	0.47	18	0.29
21	866	e1.6	e4.5	65	37	26	19	23	5.7	0.61	17	0.03
22	69	2.1	e3.8	63	60	23	20	29	7.3	0.86	16	0.43
23	11	2.5	e2.5	61	49	35	20	27	7.9	3.4	15	0.05
24	3.2	3.7	e1.5	55	37	28	53	28	6.7	2.5	15	e0.06
25	2.4	3.4	e0.70	49	33	28	32	29	6.0	6.7	12	e0.13
26	2.5	2.8	e2.0	51	27	20	37	29	6.2	8.1	12	e0.20
27	17	1.4	e8.0	83	24	21	53	26	3.6	1.0	11	e0.28
28	47	1.3	e30	52	25	24	26	24	4.4	0.07	10	e0.60
29	16	e6.0	61	39	---	24	20	24	6.1	0.04	6.3	e1.0
30	6.7	e7.0	6.3	31	---	24	19	23	6.2	0.10	5.1	e2.0
31	3.4	---	1.9	24	---	19	---	22	---	0.11	4.0	---
Total	1,194.01	498.74	189.63	3,382.31	1,030	963	901	649.8	321.7	38.91	810.95	31.97
Mean	38.5	16.6	6.12	109	36.8	31.1	30.0	21.0	10.7	1.26	26.2	1.07
Max	866	409	61	1,180	87	58	53	30	28	8.1	300	3.1
Min	0.13	0.29	0.70	0.60	12	18	19	7.8	3.6	0.04	0.15	0.03
Ac-ft	2,370	989	376	6,710	2,040	1,910	1,790	1,290	638	77	1,610	63

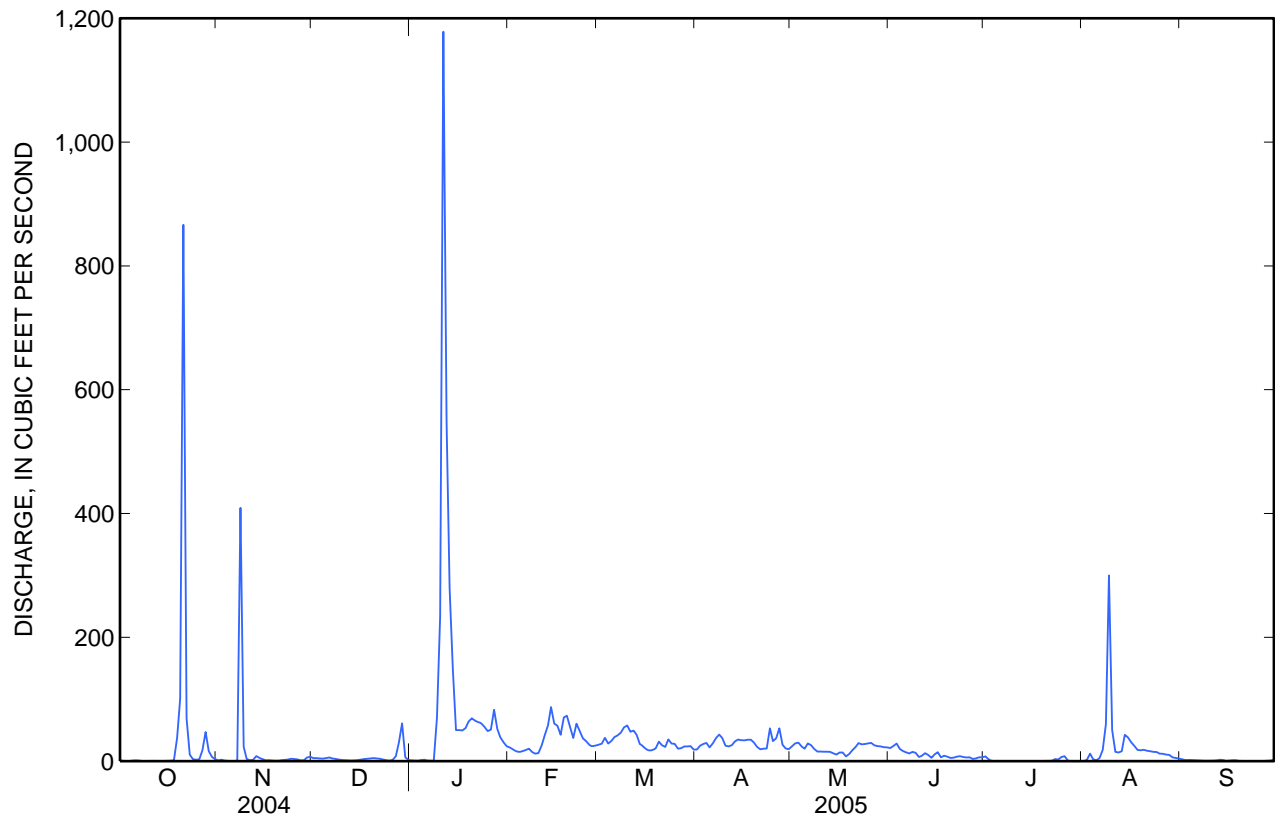
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	11.8	9.08	9.51	18.9	14.2	17.9	9.69	3.88	1.75	8.02	18.2	6.38
Max	38.5	16.6	18.0	109	36.8	31.1	30.0	21.0	10.7	38.9	46.4	15.4
(WY)	(2005)	(2005)	(1953)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(1953)	(1955)	(2004)
Min	2.75	5.36	5.09	3.50	4.57	6.18	1.69	0.20	0.01	0.47	0.00	0.06
(WY)	(1952)	(1955)	(1955)	(1955)	(1955)	(2002)	(2002)	(1955)	(1955)	(2002)	(2002)	(1955)

09381500 PARIA RIVER NEAR CANNONVILLE, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1951 - 2005	
Annual total	4,730.79		10,012.02			
Annual mean	12.9		27.4		12.1	
Highest annual mean					27.4	2005
Lowest annual mean					6.71	1954
Highest daily mean	866	Oct 21	1,180	Jan 11	1,180	Jan 11, 2005
Lowest daily mean	0.00	Jun 8	0.03	Sep 21	0.00	Jul 4, 1951
Annual seven-day minimum	0.00	Jul 2	0.15	Jul 7	0.00	Jul 4, 1951
Annual runoff (ac-ft)	9,380		19,860		8,770	
10 percent exceeds	25		50		22	
50 percent exceeds	2.0		12		5.0	
90 percent exceeds	0.00		0.39		0.02	



09381800 PARIA RIVER NEAR KANAB, UT

Paria River Basin

LOCATION.--Lat 37°06'27", long 111°54'19" referenced to North American Datum of 1927, in NE ¼ NE ¼ NE ¼ sec.4, T.42 S., R.1 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 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Annual maximums, water years 1959-74. August 2002 to September 2002.

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 ft³/s, Aug 31, 1963, gage height, 16.26 ft; minimum daily discharge, no flow for many days each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,890 ft³/s (estimated), Jan 11, gage height, 10.70 ft; minimum daily discharge, 0.60 ft³/s (estimated), on several days.

09381800 PARIA RIVER NEAR KANAB, UT—Continued

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

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	12	52	28	58	e37	e44	27	38	29	e0.60	e0.60	4.1
2	21	42	26	48	e36	e42	22	47	29	e0.60	14	4.0
3	6.8	37	24	41	e35	e50	24	53	32	e0.60	20	3.9
4	3.3	35	23	59	e35	e60	28	54	34	e0.60	7.8	3.7
5	12	33	33	61	e36	e42	30	52	29	e0.60	7.8	3.6
6	4.6	33	39	51	e37	e44	e50	60	26	e0.60	7.8	3.4
7	3.1	33	35	40	e37	e46	e60	68	26	e0.60	7.8	3.1
8	2.9	515	34	33	e37	e50	61	55	28	e0.60	7.8	3.0
9	2.5	179	33	97	e30	e60	61	52	31	e0.78	e60	2.8
10	2.0	90	31	234	e35	e78	59	52	33	e0.60	e229	2.7
11	2.4	70	30	e1,080	e38	82	51	50	34	e0.60	e28	2.5
12	2.8	62	30	686	e50	88	49	44	32	e0.60	29	2.5
13	2.5	79	31	283	e65	87	50	40	21	e0.76	25	2.4
14	2.1	65	31	24	e80	86	52	36	16	e0.76	75	2.3
15	2.1	55	30	e12	e38	81	51	32	14	e0.60	71	2.1
16	2.0	47	29	e12	e36	74	52	33	21	e0.60	42	2.0
17	2.1	42	28	e13	e35	68	54	36	17	e0.60	30	1.9
18	2.6	38	32	e16	e36	64	57	33	14	e0.70	21	1.8
19	4.5	35	34	e25	e50	60	55	29	16	e0.80	18	1.6
20	36	34	35	e40	e55	e60	50	31	16	e0.90	20	1.5
21	459	38	32	e40	e60	e60	45	35	15	e1.0	21	1.5
22	240	51	27	e38	e70	48	41	34	14	e1.0	16	1.5
23	93	47	19	e36	e80	49	40	33	14	e4.0	12	1.3
24	72	44	14	e32	e75	56	84	28	14	e3.0	8.6	1.2
25	55	43	8.9	e32	e75	53	60	31	7.1	e7.0	7.6	1.2
26	45	42	24	e36	e70	49	56	33	6.2	e9.0	7.8	1.1
27	37	41	32	e42	e60	44	51	33	4.9	e1.0	7.3	0.96
28	146	54	35	e38	e50	42	58	34	e4.0	e0.90	5.0	0.90
29	112	52	114	e36	---	41	42	34	e6.0	e0.80	4.8	0.83
30	86	39	115	e36	---	39	37	32	e6.0	e0.70	4.5	0.75
31	67	---	69	e36	---	34	---	31	---	e0.60	4.3	---
Total	1,541.3	2,027	1,105.9	3,315	1,378	1,781	1,457	1,253	589.2	42.10	820.50	66.14
Mean	49.7	67.6	35.7	107	49.2	57.5	48.6	40.4	19.6	1.36	26.5	2.20
Max	459	515	115	1,080	80	88	84	68	34	9.0	229	4.1
Min	2.0	33	8.9	12	30	34	22	28	4.0	0.60	0.60	0.75
Ac-ft	3,060	4,020	2,190	6,580	2,730	3,530	2,890	2,490	1,170	84	1,630	131

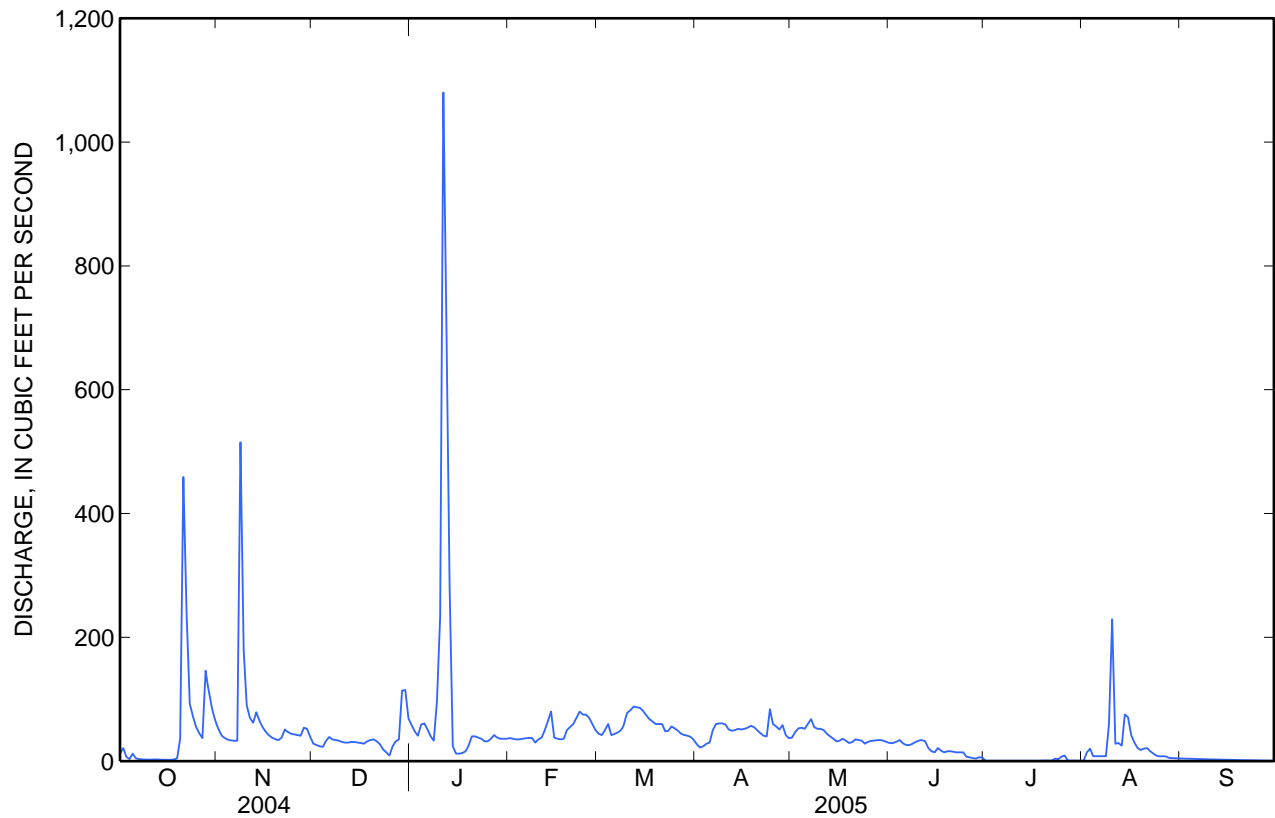
STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	25.3	30.3	18.4	43.5	31.0	33.0	24.7	15.3	7.24	5.30	27.6	11.8
Max	49.7	67.6	35.7	107	49.2	57.5	48.6	40.4	19.6	10.3	31.5	21.2
(WY)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2005)	(2004)	(2003)	(2004)
Min	11.5	9.35	6.97	10.7	17.9	13.8	7.04	2.65	0.13	1.36	24.9	2.20
(WY)	(2004)	(2004)	(2003)	(2003)	(2003)	(2003)	(2003)	(2004)	(2004)	(2005)	(2004)	(2005)

09381800 PARIA RIVER NEAR KANAB, UT—Continued

SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 2002 - 2005	
Annual total	9,047.99		15,376.14			
Annual mean	24.7		42.1		22.6	
Highest annual mean					42.1	2005
Lowest annual mean					10.9	2003
Highest daily mean	515	Nov 8	1,080	Jan 11	1,080	Jan 11, 2005
Lowest daily mean	0.00	Jun 3	0.60	Jul 1	0.00	Aug 7, 2002
Annual seven-day minimum	0.00	Aug 29	0.60	Jul 1	0.00	Aug 7, 2002
Annual runoff (ac-ft)	17,950		30,500		16,370	
10 percent exceeds	53		69		51	
50 percent exceeds	12		33		10	
90 percent exceeds	0.10		1.4		0.29	





Water-Data Report UT-2005

09382000 PARIA RIVER AT LEES FERRY, AZ

PARIA RIVER BASIN

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 mi².

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 ft³/s Oct. 5, 1925, gage height, 16.3 ft, from floodmark, from rating curve extended above 2,000 ft³/s on basis of float-area measurement of peak flow; maximum gage height, 16.65 ft Sept. 9, 1980; minimum daily discharge, 1 ft³/s in most years prior to 1931.

CORRECTION.--The maximum discharge for water year 2001 is 3,220 ft³/s; the previous published figure was not the maximum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,400 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 9	0045	1,650	8.62
Jan. 11	2250	*3,160	*11.30a

Minimum daily discharge, 2.9 ft³/s July 14, 24.

a - from floodmark

09382000 PARIA RIVER AT LEES FERRY, AZ—Continued

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	35	11	39	e43	47	42	36	23	2.9	12	4.8
2	44	21	10	25	e35	47	39	42	22	2.8	8.7	5
3	22	19	12	24	25	47	40	64	21	2.7	121	4.7
4	8.1	18	16	39	23	52	42	52	24	2.6	28	4.8
5	33	17	13	73	22	49	44	43	24	3	29	4.9
6	23	16	15	35	22	44	37	38	21	3.4	15	12
7	10	16	19	20	22	50	36	61	19	3.3	14	11
8	6.6	265	21	15	22	58	40	49	e18	3.2	25	5.8
9	6.3	737	19	69	20	61	50	37	17	3.2	78	4.6
10	6.6	85	18	385	18	68	47	30	19	3.2	33	4.4
11	6.4	29	18	1290	21	91	34	37	e17	3.2	188	4.3
12	6.3	23	17	e1070	114	73	31	38	e21	3.2	59	4.3
13	6.7	102	18	109	189	79	37	36	17	2.8	21	4.7
14	6.3	47	17	59	93	73	39	35	14	2.6	134	4.5
15	6.2	35	16	44	100	56	52	34	11	2.9	44	4.2
16	6.6	25	16	42	80	46	50	32	9.8	3	66	4
17	6.8	19	15	41	74	41	44	29	12	3.1	35	3.7
18	6.4	17	12	41	68	42	52	28	11	3	14	3.8
19	6.9	16	14	43	119	41	55	22	10	3	31	3.8
20	8.2	15	13	38	151	43	50	21	11	3	36	3.7
21	512	24	14	50	123	80	39	22	11	3	13	3.9
22	559	39	17	50	76	50	36	22	11	2.9	9.2	3.8
23	82	34	11	48	103	49	34	24	12	3	7.3	3.5
24	42	24	8.8	46	90	79	64	24	10	2.9	6	3.5
25	21	24	15	45	72	62	99	27	e8.8	3.4	5.2	3.3
26	18	24	15	41	76	56	52	30	e5.4	14	6.1	3.3
27	16	24	7.4	e207	53	46	52	30	e4.5	9.6	20	3.4
28	138	24	9.3	e137	46	44	61	29	e3.8	5.6	20	3.8
29	127	32	110	e68	---	49	49	29	e3.4	5.3	13	3.6
30	58	20	469	e52	---	48	39	26	e3.3	4.6	8.2	3.3
31	56	---	58	e56	---	45	---	24	---	5.2	5.4	---
TOTAL	1881.4	1826	1044.5	4301	1900	1716	1386	1051	415	119.6	1105.1	138.4
MEAN	60.7	60.9	33.7	139	67.9	55.4	46.2	33.9	13.8	3.86	35.6	4.61
MAX	559	737	469	1290	189	91	99	64	24	14	188	12
MIN	6.2	15	7.4	15	18	41	31	21	3.3	2.6	5.2	3.3
AC-FT	3730	3620	2070	8530	3770	3400	2750	2080	823	237	2190	275

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1924 - 2005, BY WATER YEAR (WY)

MEAN	30.4	23.7	21	23.7	37.5	38.4	20.9	10.6	7.19	23.6	52.7	51.7
MAX	288	123	69.4	139	242	216	93.3	52.4	58.3	172	237	424
(WY)	1926	1958	1967	2005	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—Continued

SUMMARY STATISTICS	FOR 2004 CALENDAR YEAR		FOR 2005 WATER YEAR		WATER YEARS 1924 - 2005	
ANNUAL TOTAL	9712.8		16884			
ANNUAL MEAN	26.5		46.3		28.4	
HIGHEST ANNUAL MEAN					65.1	1980
LOWEST ANNUAL MEAN					11.1	2002
HIGHEST DAILY MEAN	737	Nov 9	1290	Jan 11	6750	Sep 13 1927
LOWEST DAILY MEAN	3.2	Jul 6	2.6	Jul 4	1	Jun 25 1926
ANNUAL SEVEN-DAY MINIMUM	3.4	Jul 3	2.9	Jul 13	1	Jul 16 1927
ANNUAL RUNOFF (AC-FT)	19270		33490		20570	
10 PERCENT EXCEEDS	44		77		42	
50 PERCENT EXCEEDS	12		24		14	
90 PERCENT EXCEEDS	3.7		3.8		3.7	

e Estimated



--Water-Data Report UT-2005

09403600 KANAB CREEK NEAR KANAB, UT

Kanab Creek Basin

LOCATION.--Lat 37°06'02", long 112°32'50" referenced to North American Datum of 1927, in NE ¼ NE ¼ SW ¼ 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.--194 mi².

WATER-DISCHARGE RECORDS

REVISED RECORDS.--WDR UT-98-1: 1997, daily values.

PERIOD OF RECORD.--July 1959 to September 1968 (peaks only). January 1979 to current year.

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 ft³/s, Sep 8, 1961, gage height, 8.39 ft, from rating curve extended above 31 ft³/s on basis of slope area measurement at gage height, 7.09 ft; minimum daily discharge, 2.9 ft³/s, Jul 27, 2000.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 200 ft³/s and (or) maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Oct 21	--	--	(a)*11.37
Jan 11	--	*880	11.15

(a) from floodmark on crest-stage gage.

Minimum daily discharge, 3.3 ft³/s, Jul 26.

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

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	5.6	e10	e8.0	8.9	6.3	21	17	45	11	6.2	4.5	5.4
2	5.6	e11	e7.5	7.3	6.1	26	34	42	8.8	5.9	4.6	5.4
3	5.4	e12	e7.5	7.6	6.1	37	48	41	10	5.8	5.5	5.2
4	5.3	e11	e7.5	8.5	6.4	49	45	39	11	5.5	6.6	4.9
5	4.9	e9.0	e7.5	7.5	6.2	34	24	37	11	5.3	5.6	4.9
6	5.3	e8.0	e8.0	6.9	6.3	38	24	39	9.4	5.4	6.7	5.3
7	5.4	e10	e8.0	8.0	6.8	65	37	60	9.8	5.3	33	5.7
8	5.4	e40	6.8	7.0	6.5	58	55	43	9.4	5.5	12	5.5
9	5.5	e20	5.6	9.2	5.9	59	34	36	9.5	5.1	7.6	5.7
10	e5.6	e16	6.0	222	5.7	67	29	35	9.6	5.2	10	5.4
11	e5.6	e13	6.1	e320	7.2	56	26	37	9.3	5.2	13	5.1
12	e5.4	e12	6.2	e130	24	52	30	35	9.3	5.0	11	5.3
13	e5.2	e12	6.1	e70	31	55	36	29	8.4	4.7	9.8	5.6
14	e5.4	e11	6.2	e46	23	26	39	26	8.4	4.4	21	5.5
15	e5.4	e10	6.6	43	41	18	38	23	8.2	4.4	8.9	5.4
16	e5.2	e9.5	6.8	33	32	17	39	20	7.8	4.2	9.9	5.7
17	e5.6	e9.0	7.0	31	43	20	42	20	7.3	4.2	7.7	4.9
18	e6.2	e9.0	7.3	24	32	20	44	19	6.8	4.0	6.9	5.1
19	e7.0	e8.5	7.3	19	64	24	47	17	7.1	3.9	7.6	5.7
20	e40	e8.5	7.2	21	45	29	42	14	6.5	3.6	5.5	5.6
21	e90	e11	6.6	24	33	26	43	14	6.5	3.5	4.6	5.4
22	e20	e12	6.9	20	23	34	45	12	7.4	3.5	4.8	5.2
23	e15	e10	7.3	17	33	59	47	11	7.5	3.5	5.2	6.2
24	e13	e10	9.3	19	23	66	101	11	8.2	3.8	5.4	6.1
25	e11	e10	7.5	13	17	62	98	11	8.0	3.7	5.0	6.1
26	e9.0	e9.4	7.1	15	17	26	88	11	7.9	3.3	5.3	6.0
27	e12	e9.4	6.6	71	17	49	57	11	8.3	3.5	4.4	5.6
28	e18	e10	6.5	14	19	77	60	11	7.2	3.8	4.3	5.7
29	e15	e8.2	28	10	---	64	59	11	7.4	3.8	4.7	5.8
30	e13	e8.2	16	7.2	---	45	49	10	6.7	4.5	5.1	5.8
31	e11	---	8.4	6.4	---	24	---	17	---	4.6	5.2	---
Total	372.0	347.7	249.4	1,246.5	586.5	1,303	1,377	787	253.7	140.3	251.4	165.2
Mean	12.0	11.6	8.05	40.2	20.9	42.0	45.9	25.4	8.46	4.53	8.11	5.51
Max	90	40	28	320	64	77	101	60	11	6.2	33	6.2
Min	4.9	8.0	5.6	6.4	5.7	17	17	10	6.5	3.3	4.3	4.9
Ac-ft	738	690	495	2,470	1,160	2,580	2,730	1,560	503	278	499	328

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	10.1	9.76	10.4	13.1	15.6	24.4	22.2	10.0	6.89	6.89	8.13	9.46
Max	25.7	15.2	21.7	40.2	45.1	72.4	132	27.6	12.1	13.8	16.5	28.1
(WY)	(1982)	(1988)	(1980)	(2005)	(1980)	(1983)	(1980)	(1980)	(1981)	(1981)	(1981)	(1998)
Min	3.57	5.33	5.31	5.15	5.64	8.83	6.81	5.62	4.36	3.90	4.07	4.77
(WY)	(2004)	(2002)	(1990)	(2002)	(2002)	(2002)	(1990)	(2001)	(1986)	(2000)	(1995)	(2002)

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SUMMARY STATISTICS

	Calendar Year 2004		Water Year 2005		Water Years 1980 - 2005	
Annual total	2,961.9		7,079.7			
Annual mean	8.09		19.4		12.2	
Highest annual mean					28.4	1980
Lowest annual mean					5.96	2002
Highest daily mean	90	Oct 21	320	Jan 11	354	Apr 6, 1980
Lowest daily mean	3.8	Jun 8	3.3	Jul 26	2.9	Jul 27, 2000
Annual seven-day minimum	3.9	Jun 5	3.5	Jul 21	3.0	Jun 13, 1986
Annual runoff (ac-ft)	5,870		14,040		8,850	
10 percent exceeds	11		45		19	
50 percent exceeds	6.5		9.3		8.6	
90 percent exceeds	4.9		5.2		5.1	

