

Water-Data Report 2006

09332800 MUDDY CREEK AT MOUTH, NEAR HANKSVILLE, UT

Upper Colorado-Dirty Devil Basin
Muddy Subbasin

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, UT, 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.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--October 1975 to September 1980, October 2004 to September 2006 (discontinued).

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

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

REMARKS.--Records poor from October 1 to July 10 due to poor precision of stage measurements. The stage sensor was replaced July 10 with another sensor and the record improved greatly. Record is good from July 10 to end of the water year. Estimated daily discharges 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 some days most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,740 ft³/s, Oct 19, gage height, 6.92 ft; no flow several days in Jul and Sep.

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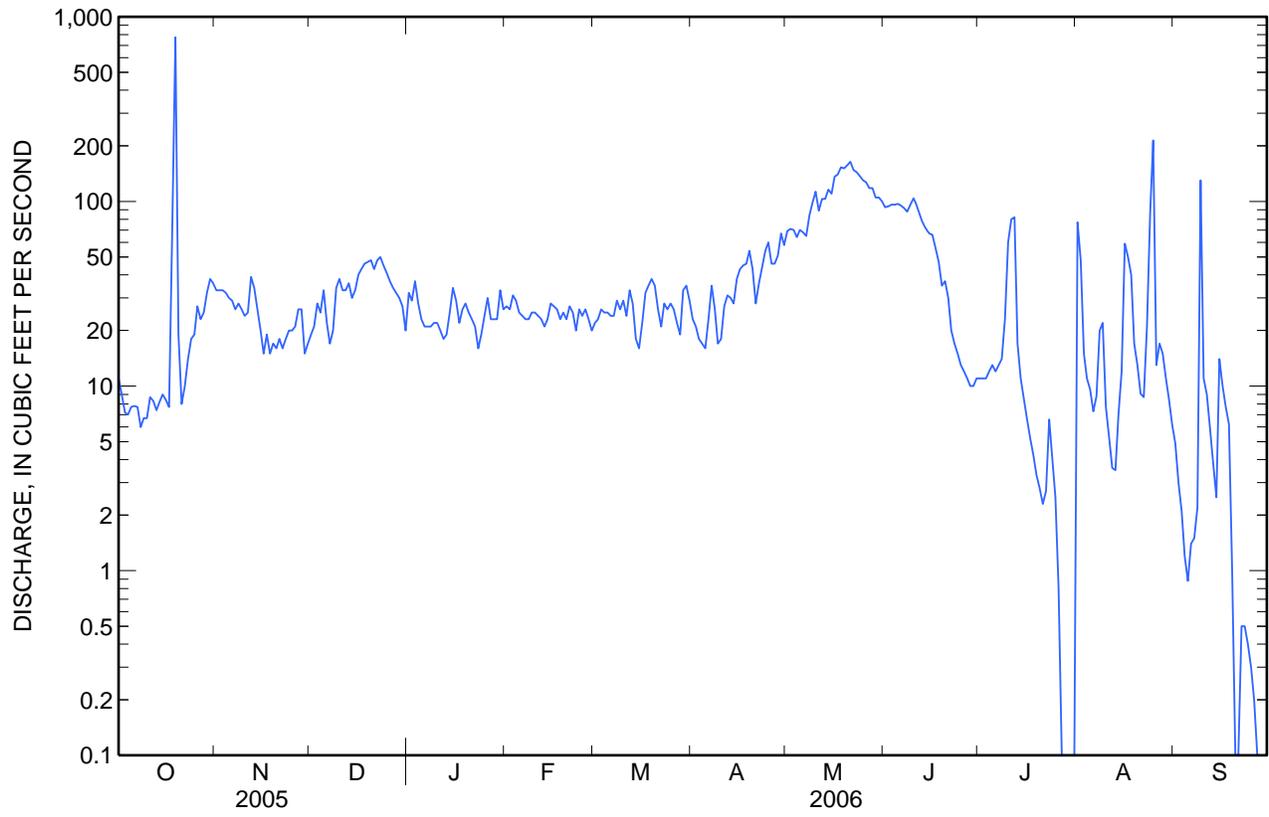
DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES

[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	11	33	19	32	27	22	23	69	93	11	e77	4.9
2	9.0	33	21	29	e26	23	21	71	94	11	48	3.0
3	7.2	33	28	37	31	26	18	70	96	11	15	2.1
4	7.0	32	25	28	29	25	17	64	96	12	11	1.2
5	7.7	30	33	23	25	25	16	70	97	13	9.6	0.88
6	7.8	29	22	21	24	24	23	68	95	12	7.3	1.4
7	7.7	26	17	21	e23	24	35	65	92	13	8.8	1.5
8	6.0	28	e20	21	e23	29	26	84	88	14	20	2.2
9	6.7	26	34	22	25	26	17	99	96	23	22	130
10	6.7	24	38	e22	e25	29	18	113	104	e60	7.7	11
11	8.7	25	e33	e20	e24	24	27	89	95	80	5.3	9.0
12	8.3	39	33	e18	23	33	31	103	85	82	3.6	5.9
13	7.4	34	36	19	21	28	30	103	76	17	3.5	3.8
14	8.2	26	e30	e25	23	18	28	116	71	11	7.0	2.5
15	9.0	20	e33	34	28	16	38	110	67	8.5	12	14
16	8.4	15	e40	29	e27	22	43	136	66	6.6	59	10
17	7.7	19	43	e22	e26	32	45	140	56	5.2	50	7.7
18	7.1	15	46	26	e23	35	46	153	47	4.2	40	6.2
19	e774	17	47	28	e25	38	54	151	35	3.3	17	e1.0
20	19	16	48	e25	23	35	43	157	37	2.8	13	e0.00
21	8.0	18	43	e23	27	26	28	164	30	2.3	9.1	e0.10
22	10	16	48	e21	25	21	36	148	20	2.7	8.7	e0.50
23	14	18	50	e16	20	28	44	144	17	6.6	21	e0.50
24	18	20	e45	e19	26	26	54	137	15	4.1	86	e0.40
25	19	20	e41	24	24	28	60	130	13	2.5	214	e0.30
26	27	21	e37	30	26	26	46	127	12	e0.80	13	e0.20
27	23	26	e34	e23	23	22	46	118	11	0.00	17	e0.10
28	25	26	e32	23	20	19	51	118	10	0.00	15	e0.00
29	32	15	e30	23	---	33	67	105	10	0.00	11	e0.00
30	38	17	27	33	---	35	58	105	11	0.00	8.4	e0.00
31	36	---	20	26	---	29	---	100	---	0.00	6.2	---
Total	1,248.5	717	1,053	763	692	827	1,089	3,427	1,735	419.60	846.2	220.38
Mean	40.3	23.9	34.0	24.6	24.7	26.7	36.3	111	57.8	13.5	27.3	7.35
Max	774	39	50	37	31	38	67	164	104	82	214	130
Min	6.0	15	17	16	20	16	16	64	10	0.00	3.5	0.00
Ac-ft	2,480	1,420	2,090	1,510	1,370	1,640	2,160	6,800	3,440	832	1,680	437

	Calendar Year 2005	Water Year 2006
Total	19,752.6	13,037.68
Mean	54.1	35.7
Max	774	774
Min	1.5	0.00
Ac-ft	39,180	25,860

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WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1975 to September 1980, October 2004 to September 2006

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 2004 to September 2006.

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

INSTRUMENTATION.--Water quality monitor from October 2004 to September 2006.

REMARKS.--Records excellent for the periods Oct 20 to Nov 27, Feb 24 to Mar 11, Apr 11-29, May 19 to Jun 22, Aug 2-15, 19-31, and Sep 10. Records good Oct 1-19, Mar 11 to Apr 10, Apr 30 to May 14, Jul 14, Aug 16, and Sep 1. Records fair Nov 28 to Feb 23, Jun 23-30, Jul 13,15, Aug 1, and Sep 2. Records for all other days, including days with missing record, are poor.

EXTREMES FOR PERIOD OF RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 10,800 microsiemens/cm, Jun 9, 1976; minimum, 890 microsiemens/cm, May 23, 2006.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 8,400 microsiemens/cm, Aug 1; minimum, 890 microsiemens/cm, May 23.

09332800 MUDDY CREEK AT MOUTH, NEAR HANKSVILLE, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	October			November			December			January		
1	4,680	4,080	4,350	4,140	3,850	3,980	6,370	3,850	4,580	4,050	3,350	3,550
2	4,520	4,420	4,470	3,880	3,610	3,700	---	---	4,640	3,480	3,290	3,380
3	4,780	4,460	4,610	3,780	3,650	3,700	5,630	3,640	4,130	3,540	3,230	3,410
4	5,100	4,780	4,930	3,720	3,610	3,670	---	---	---	3,340	3,160	3,240
5	5,200	4,980	5,120	3,690	3,520	3,610	---	---	---	---	---	3,310
6	5,150	4,940	5,030	3,730	3,380	3,620	---	---	---	---	---	3,380
7	5,160	4,940	5,060	3,740	2,820	3,410	5,710	4,010	4,680	---	---	3,710
8	5,230	5,060	5,150	3,390	2,770	3,050	7,050	5,710	6,570	---	---	3,810
9	5,430	5,180	5,270	3,290	2,830	3,120	7,510	6,200	6,810	5,320	3,580	4,270
10	5,430	5,100	5,290	3,520	2,810	3,160	6,220	5,190	5,660	4,950	3,690	4,450
11	5,110	4,960	5,050	3,370	2,890	3,030	6,180	5,380	5,760	5,080	4,130	4,580
12	4,960	4,620	4,770	3,850	3,020	3,510	6,260	5,550	5,900	---	---	4,730
13	4,710	4,620	4,670	3,460	2,920	3,190	6,000	5,580	5,740	---	---	---
14	4,800	4,680	4,740	3,900	3,100	3,340	6,040	5,420	5,710	---	---	---
15	4,740	4,640	4,710	3,900	3,430	3,730	6,490	5,820	6,160	---	---	4,510
16	4,780	4,600	4,670	4,180	3,770	3,900	6,660	5,940	6,370	---	---	4,610
17	5,480	4,620	5,080	4,320	3,480	3,970	6,630	5,360	5,910	5,680	4,020	4,950
18	5,580	2,880	4,960	4,140	3,600	3,850	5,600	4,840	5,200	5,150	3,590	4,360
19	3,760	2,840	3,230	4,710	3,850	4,370	5,760	4,900	5,250	---	---	4,020
20	3,570	3,290	3,370	4,370	3,730	3,950	5,060	4,520	4,820	---	---	4,010
21	3,900	3,410	3,590	4,410	3,390	4,090	4,940	4,690	4,820	4,830	3,940	4,430
22	4,720	3,900	4,300	4,430	3,380	3,840	4,890	4,550	4,790	5,360	3,230	4,440
23	5,080	4,720	4,910	4,400	3,300	3,910	---	---	4,290	5,520	4,540	5,180
24	5,210	5,070	5,150	4,310	2,140	3,390	---	---	3,470	---	---	5,520
25	5,200	5,070	5,130	4,450	3,230	3,700	---	---	3,380	---	---	5,230
26	5,100	4,940	5,040	4,450	3,170	3,770	---	---	3,350	5,050	3,480	4,260
27	5,010	4,930	4,970	4,320	3,530	3,860	---	---	3,210	4,250	3,550	3,960
28	5,100	4,710	4,950	---	---	4,170	---	---	3,320	---	---	3,650
29	4,830	4,570	4,700	---	---	4,250	3,430	3,050	3,300	---	---	3,710
30	4,740	3,130	4,090	6,000	4,500	5,310	3,470	3,220	3,340	---	---	3,780
31	4,120	3,830	3,960	---	---	---	4,240	2,920	3,370	3,660	2,770	3,200
Month	5,580	2,840	4,690	---	---	3,740	---	---	---	---	---	---

09332800 MUDDY CREEK AT MOUTH, NEAR HANKSVILLE, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	February			March			April			May		
1	3,340	2,530	2,810	3,440	3,030	3,210	3,860	3,490	3,730	2,040	1,820	1,930
2	2,760	2,570	2,670	3,130	2,960	3,030	3,930	3,750	3,870	1,960	1,800	1,880
3	---	---	2,550	3,160	2,950	3,080	3,910	3,760	3,820	1,910	1,780	1,860
4	---	---	---	3,500	3,040	3,290	4,260	3,910	4,070	1,880	1,720	1,800
5	---	---	---	3,730	3,270	3,440	4,310	3,960	4,230	1,850	1,610	1,730
6	---	---	---	3,790	3,420	3,550	4,000	3,520	3,830	1,860	1,680	1,740
7	---	---	---	3,890	3,500	3,650	3,640	2,930	3,250	2,190	1,860	2,080
8	---	---	---	3,890	3,330	3,500	3,170	2,790	2,910	2,190	1,900	2,070
9	---	---	---	3,370	3,220	3,320	3,380	3,170	3,270	2,060	1,770	1,950
10	---	---	3,470	3,310	3,090	3,220	3,540	3,340	3,420	1,860	1,610	1,700
11	---	---	3,280	3,660	3,240	3,420	3,480	2,820	3,170	1,710	1,480	1,560
12	---	---	3,270	3,610	2,850	3,240	3,010	2,530	2,700	1,720	1,620	1,670
13	4,090	2,950	3,510	3,640	2,840	3,350	2,680	2,420	2,570	1,720	1,600	1,660
14	4,670	3,070	3,810	4,050	3,470	3,660	2,870	2,680	2,770	---	---	1,560
15	4,120	3,110	3,580	5,030	3,640	4,110	2,960	2,550	2,760	---	---	---
16	---	---	3,520	4,960	3,710	4,370	2,550	2,160	2,330	---	---	---
17	---	---	3,430	4,620	3,440	3,880	2,210	2,100	2,160	---	---	---
18	4,330	3,150	3,610	3,910	3,330	3,600	2,130	1,990	2,090	---	---	---
19	---	---	3,440	3,840	3,400	3,580	2,130	1,960	2,040	---	---	1,310
20	4,050	3,140	3,540	3,750	3,130	3,410	2,420	1,980	2,240	1,330	1,080	1,290
21	---	---	3,550	4,060	3,370	3,610	2,770	2,420	2,590	1,200	1,000	1,080
22	---	---	3,440	4,150	3,620	3,900	2,950	2,750	2,830	1,100	920	986
23	---	---	3,470	4,810	3,890	4,360	3,110	2,920	3,000	1,120	890	1,000
24	4,480	3,220	3,610	4,820	4,160	4,390	3,110	2,510	2,870	1,130	1,000	1,070
25	3,790	3,020	3,360	4,160	3,910	3,990	2,510	2,250	2,360	1,120	1,030	1,090
26	3,460	2,840	3,170	4,100	3,830	3,990	2,430	2,240	2,370	1,110	990	1,080
27	3,380	2,800	3,050	3,980	3,670	3,820	2,840	2,400	2,580	1,100	1,030	1,080
28	3,420	2,960	3,210	3,780	3,610	3,680	3,010	2,750	2,860	1,100	1,030	1,060
29	---	---	---	3,720	3,110	3,540	2,990	2,430	2,680	1,120	1,020	1,060
30	---	---	---	3,780	2,880	3,430	2,440	1,860	2,180	1,150	1,070	1,110
31	---	---	---	3,570	3,330	3,460	---	---	---	1,210	1,140	1,170
Month	---	---	---	5,030	2,840	3,620	4,310	1,860	2,920	---	---	---

09332800 MUDDY CREEK AT MOUTH, NEAR HANKSVILLE, UT—Continued

SPECIFIC CONDUCTANCE, WATER, UNFILTERED, MICROSIEMENS PER CENTIMETER AT 25 DEGREES CELSIUS
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006

Day	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean	Max	Min	Mean
	June			July			August			September		
1	1,370	1,210	1,270	---	---	---	---	---	4,800	4,010	3,480	3,800
2	1,480	1,370	1,420	---	---	---	4,570	3,160	3,450	4,320	3,940	4,090
3	1,490	1,440	1,470	---	---	---	4,650	4,100	4,330	5,050	4,320	4,760
4	1,550	1,420	1,480	---	---	---	5,110	3,930	4,430	5,970	5,050	5,540
5	1,470	1,370	1,430	---	---	---	8,150	5,110	5,760	---	---	---
6	1,400	1,320	1,370	---	---	---	5,740	4,800	5,170	---	---	---
7	1,400	1,310	1,360	---	---	---	6,170	3,290	5,490	---	---	---
8	1,380	1,320	1,350	---	---	---	7,010	3,880	5,090	---	---	---
9	1,620	1,360	1,480	---	---	---	5,850	3,650	4,230	---	---	---
10	2,840	1,330	1,690	---	---	---	5,670	4,580	4,990	4,730	2,180	2,960
11	2,670	1,350	1,900	---	---	---	5,430	4,890	5,090	---	---	---
12	1,510	1,360	1,430	---	---	---	6,300	5,290	5,880	2,920	2,480	---
13	1,490	1,420	1,450	---	---	5,350	6,740	6,130	6,360	---	---	---
14	1,550	1,440	1,510	5,590	4,510	5,030	6,740	5,200	6,010	---	---	---
15	1,610	1,510	1,580	5,910	---	5,680	5,700	3,520	4,150	---	---	---
16	1,780	1,610	1,720	---	---	---	5,640	3,450	4,230	---	---	---
17	1,780	1,690	1,750	---	---	---	6,170	4,200	4,910	---	---	---
18	2,000	1,700	1,900	---	---	---	4,780	3,100	3,590	---	---	---
19	2,230	1,980	2,120	---	---	---	3,570	3,280	3,460	---	---	---
20	2,330	2,210	2,280	---	---	---	3,990	3,410	3,750	---	---	---
21	2,490	2,190	2,390	---	---	---	4,660	3,820	4,150	---	---	---
22	2,630	2,390	2,520	---	---	---	4,870	4,640	4,720	---	---	---
23	2,880	1,950	2,650	---	---	---	7,340	3,700	5,090	---	---	---
24	3,040	2,760	2,850	---	---	---	5,820	2,780	3,800	---	---	---
25	3,040	2,780	2,900	---	---	---	4,180	2,470	2,980	---	---	---
26	3,030	2,880	2,960	---	---	---	3,250	2,540	2,740	---	---	---
27	3,170	2,920	3,050	---	---	---	3,690	3,250	3,480	---	---	---
28	3,320	3,170	3,270	---	---	---	3,530	2,870	3,100	---	---	---
29	3,500	3,320	3,420	---	---	---	3,090	2,790	2,930	---	---	---
30	---	---	3,550	---	---	---	3,390	3,090	3,250	---	---	---
31	---	---	---	---	---	---	3,560	3,390	3,480	---	---	---
Month	---	---	2,050	---	---	---	---	---	4,350	---	---	---