

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.

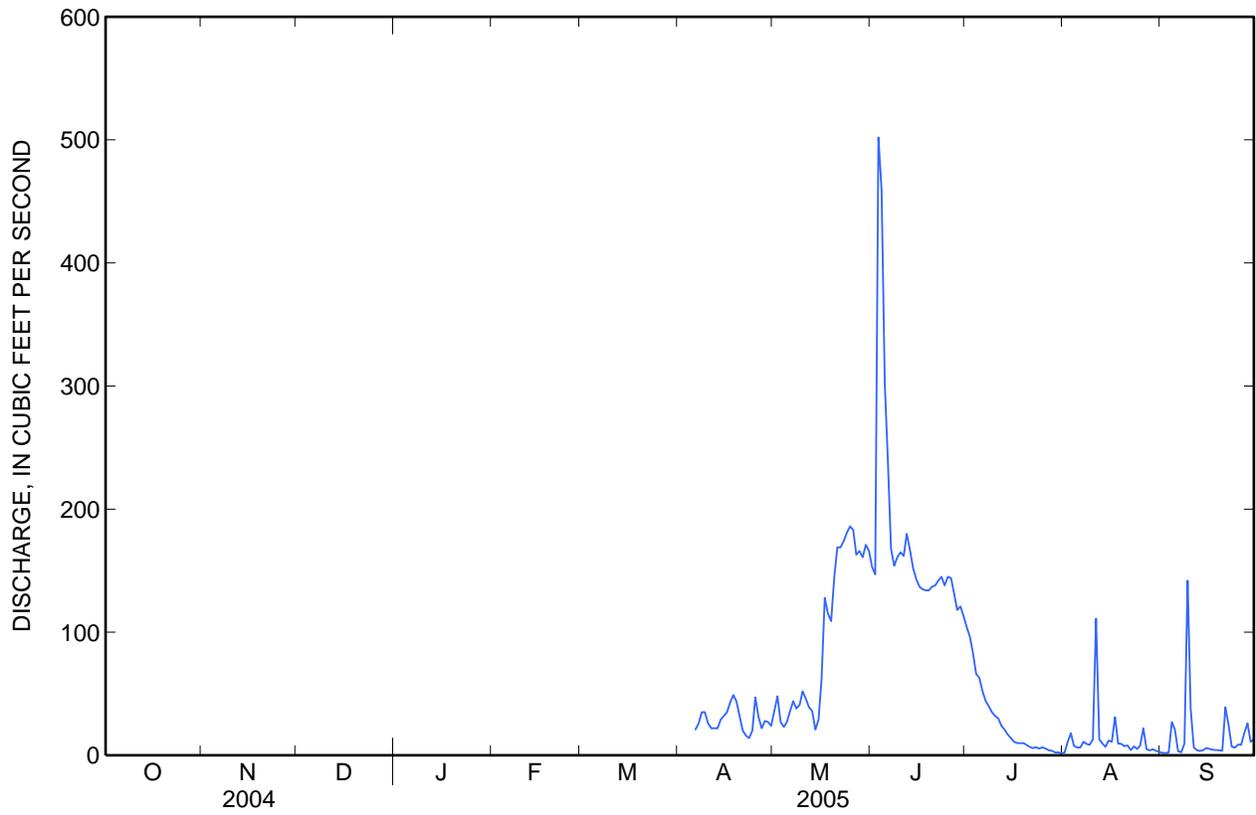
09332600 MUDDY CREEK AT TOMSICH BUTTE NEAR HANKSVILLE, UT—Continued

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

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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

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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