



Water-Data Report 2006

**09378170 SOUTH CREEK ABOVE RESERVOIR, NEAR MONTICELLO, UT**

Lower San Juan Basin  
Montezuma Subbasin

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, UT, Hydrologic Unit 14080203, 200 ft upstream from west side of reservoir and 2 mi southwest of Monticello.

DRAINAGE AREA.--8.64 mi<sup>2</sup>.

**SURFACE-WATER 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 ft<sup>3</sup>/s, Nov 5, 1987, gage height, 4.17 ft; no flow many days in 2002, 2003, 2004, and 2006.

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

Date	Time	Discharge (ft <sup>3</sup> /s)	Gage height (ft)
Sep 09	1645	*27	*1.78

Minimum daily discharge, 0.01 ft<sup>3</sup>/s, on several days.

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

**DISCHARGE, CUBIC FEET PER SECOND**  
**WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006**  
**DAILY MEAN VALUES**  
[e, estimated; &, affected value]

<b>Day</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>1</b>	0.22	0.20	e0.16	0.09	0.01	0.08	1.1	1.3	1.4	0.33	0.09	0.02
<b>2</b>	0.22	0.20	0.18	0.08	0.01	0.07	0.80	1.3	1.3	0.28	0.08	0.02
<b>3</b>	0.22	0.20	0.17	0.07	0.01	0.07	0.99	1.5	1.2	0.26	0.07	0.02
<b>4</b>	0.26	0.20	e0.15	0.06	0.01	0.05	1.4	1.8	1.1	0.27	1.1	0.02
<b>5</b>	0.28	0.20	e0.13	0.05	0.01	0.04	2.0	1.5	0.97	0.27	0.20	0.02
<b>6</b>	0.28	0.20	e0.14	0.06	0.01	0.05	1.3	1.4	0.85	0.32	0.09	0.01
<b>7</b>	0.29	0.20	e0.12	0.07	0.03	0.05	1.1	1.4	0.77	0.32	0.07	0.03
<b>8</b>	0.75	0.20	e0.10	0.06	0.03	0.07	1.6	1.3	0.98	0.76	0.08	0.56
<b>9</b>	0.49	0.18	e0.11	&0.04	0.03	0.05	1.7	1.3	0.92	0.79	0.06	1.6
<b>10</b>	0.35	0.19	e0.12	e0.04	0.02	0.05	1.6	1.1	1.5	0.63	0.06	1.4
<b>11</b>	0.35	0.24	e0.13	e0.04	&0.03	0.04	1.4	1.1	4.0	0.26	0.06	0.06
<b>12</b>	0.30	0.20	e0.11	e0.03	e0.03	0.03	1.3	1.3	2.2	0.23	0.06	0.04
<b>13</b>	0.26	0.20	e0.11	e0.05	e0.03	0.07	1.5	1.2	0.49	0.21	0.08	0.04
<b>14</b>	0.26	&0.21	e0.09	e0.06	e0.03	0.08	1.6	1.2	0.48	0.19	0.62	0.04
<b>15</b>	0.26	e0.20	e0.08	e0.05	0.03	0.11	1.7	1.1	0.46	0.18	0.14	0.20
<b>16</b>	0.27	e0.19	e0.07	e0.05	0.03	0.07	1.6	1.1	0.41	0.18	0.27	0.06
<b>17</b>	0.26	e0.18	e0.07	e0.05	e0.03	0.10	1.7	1.1	0.37	0.16	0.08	0.04
<b>18</b>	0.33	e0.18	e0.08	e0.05	e0.03	0.10	2.1	1.1	0.32	0.15	0.06	0.04
<b>19</b>	0.58	&0.13	e0.08	&0.05	e0.03	0.08	2.2	1.3	0.33	0.15	0.05	0.04
<b>20</b>	0.26	e0.17	e0.08	&0.04	e0.02	0.06	2.3	1.3	0.36	0.14	0.20	0.06
<b>21</b>	0.26	e0.19	0.08	e0.04	e0.03	0.08	1.3	1.4	0.34	0.15	0.06	0.05
<b>22</b>	0.26	e0.19	0.08	e0.05	e0.03	0.08	e1.3	1.4	0.33	0.14	0.05	0.08
<b>23</b>	0.25	e0.17	0.08	e0.05	e0.03	0.09	e1.5	1.4	0.31	0.14	0.04	0.05
<b>24</b>	0.22	e0.18	0.08	e0.06	e0.03	0.15	e1.6	1.3	0.29	0.13	1.9	0.04
<b>25</b>	0.22	e0.18	0.09	e0.06	e0.03	0.26	e1.4	1.3	0.27	0.24	0.10	0.04
<b>26</b>	0.24	e0.17	0.08	e0.03	0.03	0.24	1.4	1.2	0.23	0.14	0.05	0.04
<b>27</b>	0.21	e0.16	0.08	e0.03	0.06	0.18	1.4	1.0	0.26	0.10	0.03	0.04
<b>28</b>	0.22	e0.15	0.08	e0.03	0.07	0.77	1.3	0.89	0.26	0.10	0.02	0.04
<b>29</b>	0.33	e0.16	0.08	0.03	---	1.8	1.2	0.79	0.27	0.11	0.02	0.03
<b>30</b>	0.24	e0.16	0.07	0.01	---	0.96	1.3	1.2	0.25	0.11	0.02	0.04
<b>31</b>	0.21	---	0.08	0.01	---	0.78	---	1.5	---	0.11	0.02	---
<b>Total</b>	9.15	5.58	3.16	1.49	0.77	6.71	44.69	39.08	23.22	7.55	5.83	4.77
<b>Mean</b>	0.30	0.19	0.10	0.05	0.03	0.22	1.49	1.26	0.77	0.24	0.19	0.16
<b>Max</b>	0.75	0.24	0.18	0.09	0.07	1.8	2.3	1.8	4.0	0.79	1.9	1.6
<b>Min</b>	0.21	0.13	0.07	0.01	0.01	0.03	0.80	0.79	0.23	0.10	0.02	0.01
<b>Ac-ft</b>	18	11	6.3	3.0	1.5	13	89	78	46	15	12	9.5

**STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 2006, BY WATER YEAR (WY)**

	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>
<b>Mean</b>	0.19	0.46	0.15	0.15	0.28	1.78	5.47	8.48	2.97	0.59	0.26	0.22
<b>Max</b>	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)
<b>Min</b>	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**

	<b>Calendar Year 2005</b>	<b>Water Year 2006</b>	<b>Water Years 1986 - 2006</b>	
<b>Annual total</b>	2,968.06	152.00		
<b>Annual mean</b>	8.13	0.42	1.76	
<b>Highest annual mean</b>			8.10	2005
<b>Lowest annual mean</b>			0.06	2002
<b>Highest daily mean</b>	72 May 23	4.0 Jun 11	72 May 23, 2005	
<b>Lowest daily mean</b>	0.07 Dec 16	0.01 Jan 30	0.00 Jun 13, 2002	
<b>Annual seven-day minimum</b>	0.08 Dec 15	0.01 Jan 30	0.00 Jun 13, 2002	
<b>Annual runoff (ac-ft)</b>	5,890	301	1,270	
<b>10 percent exceeds</b>	36	1.3	4.2	
<b>50 percent exceeds</b>	0.75	0.17	0.19	
<b>90 percent exceeds</b>	0.14	0.03	0.05	

