Water-Data Report 2009

05278930 BUFFALO CREEK NEAR GLENCOE, MN

Upper Mississippi Basin
South Fork Crow Subbasin

LOCATION.--Lat 44°45′50″, long 94°05′27″ referenced to North American Datum of 1927, in SW ¼ SW ¼ sec.16, T.115 N., R.27 W., Mcleod County, MN, Hydrologic Unit 07010205, at bridge on County Highway 1, 2.6 miles east of Glencoe.

DRAINAGE AREA.--373 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--1972 TO 1995, 1998 to current year.

REVISED RECORDS.--Unpublished: Maximum discharge; 1998, 2001, 2004 - 2007.

GAGE.--Recording gage.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,300 ft^3/s, Sep. 12, 1991, gage height 11.78 ft, datum then in use (gage datum changed by unknown amount in 1997); maximum gage height 18.01 ft, June 14, 2004.

MAXIMUM PEAK DISCHARGE
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009

Date	Discharge, in ft^3/s	Discharge qualification code	Gage height, in ft	Gage height qualification code
Mar 27, 2009	1,550	---	16.37	---

WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 1 of 2
[Remark codes: >, greater than.]

Date	Time	Medium name	Temperature, air, deg C (00020)	Instantaneous discharge, ft³/s (00061)	Specif. conductance, wat unf lab, µS/cm @ 25 degC (90095)	Specific conductance, wat unf µS/cm @ 25 degC (00095)	Temperature, water, deg C (00010)	Transparency wat unf transparency tube, cm (65225)	Turbdty white light, det ang 90+/-30 degrees NTU (63675)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)
Mar										
24...	1042	Surface water	--	--	450	--	6.1	--	--	--
24...	1052	Surface water	--	--	--	--	6.1	--	--	--
24...	1212	Surface water	--	532	--	412	6.1	12	82	91
27...	1307	Surface water	-4.0	1,440	462	--	.2	--	--	--
27...	1320	Surface water	-4.0	1,440	--	--	.2	--	--	--
27...	1335	Surface water	-4.0	1,440	463	--	.2	--	--	--
27...	1350	Surface water	-4.0	1,440	--	457	.2	7	88	92
May										
06...	1350	Surface water	18.9	68	710	801	18.0	--	--	--
06...	1355	Surface water	18.9	68	--	--	18.0	--	--	--
06...	1405	Surface water	18.9	68	715	--	18.0	--	--	--
06...	1410	Surface water	18.9	68	--	801	18.0	>60	7.5	7.6
Jun										
11...	0935	Surface water	17.8	96	668	--	15.8	--	--	--
11...	0937	Surface water	17.8	96	--	--	15.8	--	--	--
11...	0950	Surface water	17.8	96	669	--	15.8	--	--	--
11...	0955	Surface water	17.8	96	--	833	15.8	30	26	23
Jul										
23...	1220	Surface water	28.6	1.7	--	--	22.5	--	--	--
23...	1222	Surface water	28.6	1.7	--	--	22.5	--	--	--
23...	1228	Surface water	--	1.7	--	--	--	--	--	--
23...	1230	Surface water	28.6	1.7	--	1,070	22.5	44	6.8	6.9
Aug										
03...	1030	Surface water	--	--	--	--	21.4	--	--	--
08...	0913	Surface water	--	228	300	--	--	--	--	--
08...	0928	Surface water	--	228	--	--	--	--	--	--
08...	0951	Surface water	--	228	346	--	--	--	--	--
08...	1003	Surface water	20.3	228	--	356	19.8	9	93	81
11...	0835	Surface water	--	--	600	--	21.4	--	--	--
24...	0955	Surface water	--	--	787	--	19.5	--	--	--
Sep										
01...	1020	Surface water	--	--	789	--	18.5	--	--	--
01...	1217	Surface water	--	53	713	--	--	--	--	--
01...	1234	Surface water	--	53	--	--	--	--	--	--
01...	1258	Surface water	--	53	707	--	--	--	--	--
01...	1306	Surface water	--	53	--	817	18.3	37	13	12
22...	0930	Surface water	--	--	764	--	18.1	--	--	--

05278930 BUFFALO CREEK NEAR GLENCOE, MN—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2008 TO SEPTEMBER 2009
Part 2 of 2
[Remark codes: >, greater than.]

Date	Sampler type, code (84164)	Suspnd. sedimnt sieve diametr percent <0.0625 mm (70331)	Sus-pended sedi-ment concen-tration mg/L (80154)
Mar			
24...	Sampler US D-74	--	97
24...	Sampler US D-74	91	94
24...	Weighted-bottle	--	--
27...	Sampler US DH-59	--	99
27...	Sampler US DH-59	86	88
27...	Sampler US DH-59	--	106
27...	Weighted-bottle	--	--
May			
06...	Sampler US D-74	--	83
06...	Sampler US DH-48	67	89
06...	Sampler US D-74	--	82
06...	Grab sample	--	--
Jun			
11...	Sampler US DH-48	--	125
11...	Sampler US DH-48	62	90
11...	Sampler US DH-48	--	121
11...	Grab sample	--	--
Jul			
23...	Weighted-bottle	--	--
23...	Weighted-bottle	91	6
23...	Weighted-bottle	--	--
23...	Weighted-bottle	--	--
Aug			
03...	Sampler US D-74	--	--
08...	Sampler US D-74	--	83
08...	Sampler US D-74	95	94
08...	Sampler US D-74	--	85
08...	Weighted-bottle	--	--
11...	Sampler US D-74	--	88
24...	Sampler US D-74	--	111
Sep			
01...	Sampler US D-74	--	74
01...	Sampler US D-74	--	108
01...	Sampler US DH-59	60	72
01...	Sampler US D-74	--	115
01...	Weighted-bottle	--	--
22...	Sampler US D-74	--	62