



Water-Data Report 2010

07040070 WILHELMINA CUT-OFF NEAR CAMPBELL, MO

St. Francis Basin
Lower St. Francis Subbasin

LOCATION.--Lat 36°30'53", long 90°09'26" referenced to North American Datum of 1983, in SW ¼ SW ¼ sec.25, T.22 N., R.8 E., Dunklin County, MO, Hydrologic Unit 08020203, at bridge on Dunklin County Road DD, 4.7 mi northwest of Campbell, Missouri, off Missouri State Hwy 53.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--Oct 1977 to current year.

REMARKS.--As the number of streams on which streamflow information is likely to be desired far exceeds the number of continuous-record stream-gaging stations feasible to operate at one time, the USGS collects limited streamflow data at sites other than the continuous-record stream-gaging stations. When discharge measurements are made at sites not included in the continuous-record or partial-record program, these measurements, generally made in times of drought or flood to give better areal coverage to those events, and others collected for some special reason are called measurements at miscellaneous sites. Discharge measurements in the following table were made at this special study or miscellaneous site during the 2010 water year.

**DISCHARGE MEASUREMENTS
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Date	Discharge, in ft³/s	Gage height, in ft
Nov 18, 2009	3,950	28.85
Dec 15, 2009	3,360	26.55
Jan 20, 2010	3,720	27.72
Feb 17, 2010	3,170	25.85
Mar 24, 2010	3,900	28.18
Apr 13, 2010	921	21.91
May 18, 2010	1,660	20.47
Jun 22, 2010	530	21.74
Jul 19, 2010	830	21.44

07040070 WILHELMINA CUT-OFF NEAR CAMPBELL, MO—Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Oct 1977 to current year.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 2

[ft³/s, cubic feet per second; m, meters; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius]

Date	Sample start time	Discharge, instantaneous, ft ³ /s (00061)	Temperature, water, °C (00010)	Transparency, water, in situ, Secchi disc, m (00078)	Sampler type (84164)	Sampling method (82398)	Bed sediment, fall diameter (deionized water), percent smaller than 0.0625 millimeters (80158)	Bed sediment, fall diameter (deionized water), percent smaller than 0.125 millimeters (80159)	Bed sediment, fall diameter (deionized water), percent smaller than 0.25 millimeters (80160)
11-18-2009	0820	3,950	12.77	.21	Sampler US DH-59	EWI	11	22	92
12-15-2009	1215	3,360	6.46	.21	Sampler US DH-59	EWI	10	22	96
01-20-2010	0945	3,720	4.67	.18	Sampler US DH-59	EWI	9	19	95
02-17-2010	1715	3,170	3.42	.27	Sampler US DH-59	EWI	10	15	94
03-24-2010	0920	3,900	12.06	.12	Sampler US DH-59	EWI	78	89	96
04-13-2010	1355	921	20.72	.21	Sampler US DH-59	EWI	39	53	96
05-18-2010	1545	1,660	23.10	.15	Sampler US DH-59	EWI	9	28	95
06-22-2010	1520	530	34.40	.24	Sampler US DH-59	EWI	32	53	93
07-19-2010	1425	830	31.2	.18	Sampler US DH-59	EWI	34	50	95

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 2

[ft³/s, cubic feet per second; m, meters; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius]

Date	Bed sediment, fall diameter (deionized water), percent smaller than 0.5 millimeters (80161)	Bed sediment, fall diameter (deionized water), percent smaller than 1 millimeter (80162)	Suspended sediment, fall diameter (deionized water), percent smaller than 0.0625 mm (70342)	Suspended sediment, fall diameter (deionized water), percent smaller than 0.125 mm (70343)	Suspended sediment, fall diameter (deionized water), percent smaller than 0.25 mm (70344)	Suspended sediment, fall diameter (deionized water), percent smaller than 0.5 mm (70345)	Suspended sediment concentration, mg/L (80154)	Suspended sediment discharge, tons per day (80155)
11-18-2009	100	--	96	97	97	100	101	1,077
12-15-2009	100	--	87	91	97	100	79	716.7
01-20-2010	100	--	95	97	100	--	83	833.7
02-17-2010	100	--	94	97	99	100	49	419.4
03-24-2010	96	100	41	43	91	100	254	2,675
04-13-2010	100	--	97	97	97	100	60	149.2
05-18-2010	100	--	96	96	100	--	96	430.3
06-22-2010	100	--	95	95	100	--	72	103.0
07-19-2010	100	--	94	94	97	100	125	280.1