



Water-Data Report 2010

**07040010 MINGO DITCH ON COUNTY ROAD 448 NEAR FISK, MO**

St. Francis Basin  
Lower St. Francis Subbasin

LOCATION.--Lat 36°50'56", long 90°12'37" referenced to North American Datum of 1983, Stoddard County, MO, Hydrologic Unit 08020203.

DRAINAGE AREA.--

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Feb 2010 to current year.

GAGE.--Water-stage recorder.

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 ft <sup>3</sup> /s	Gage height, in ft
Mar 23, 2010	433	21.63
Apr 14, 2010	209	20.56
Jun 23, 2010	8.31	19.57

## 07040010 MINGO DITCH ON COUNTY ROAD 448 NEAR FISK, MO—Continued

## WATER-QUALITY RECORDS

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 1 of 3

[ft<sup>3</sup>/s, cubic feet per second; m, meters; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius]

Date	Sample start time	Discharge, instantaneous, ft <sup>3</sup> /s (00061)	Temperature, water, °C (00010)	Transparency, water, in situ, Secchi disc, m (00078)	Sampler type (84164)	Sampling method (82398)	Bed sediment, dry sieved, sieve diameter, percent smaller than 2 millimeters (80169)	Bed sediment, dry sieved, sieve diameter, percent smaller than 4 millimeters (80170)	Bed sediment, dry sieved, sieve diameter, percent smaller than 8 millimeters (80171)
02-17-2010	1255	265	2.78	.27	Sampler US DH-59	EWI	--	--	--
03-23-2010	1145	428	10.3	.12	Sampler US DH-59	EWI	--	--	--
04-14-2010	1040	209	20.88	.24	Sampler US DH-59	EWI	--	--	--
05-19-2010	1105	164	22.07	.15	Sampler US DH-59	EWI	40	46	100
06-23-2010	0955	8.31	29.20	.15	Sampler US DH-59	EWI	77	82	100

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010**

Part 2 of 3

[ft<sup>3</sup>/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 0.0625 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)	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)
02-17-2010	23	44	97	100	--	95	96	96	100	20
03-23-2010	54	82	98	100	--	98	98	98	100	57
04-14-2010	13	43	98	98	100	99	99	100	--	49
05-19-2010	20	24	33	37	40	98	98	99	100	79
06-23-2010	45	59	72	75	76	91	91	100	--	111

**07040010 MINGO DITCH ON COUNTY ROAD 448 NEAR FISK, MO—Continued**

**WATER-QUALITY DATA  
WATER YEAR OCTOBER  
2009 TO SEPTEMBER  
2010**

Part 3 of 3

[ft<sup>3</sup>/s, cubic feet per second; m, meters; mg/L, milligrams per liter; mm, millimeters; °C, degrees Celsius]

Date	Suspended sediment discharge, tons per day (80155)
02-17-2010	14.3
03-23-2010	65.9
04-14-2010	27.7
05-19-2010	35.0
06-23-2010	2.49