



Water-Data Report 2008

380842082032401 UPPER MUD RIVER RESERVOIR ABOVE PALERMO, WV

Guyandotte Basin
Lower Guyandotte Subbasin

LOCATION.--Lat 38°08'42.1", long 82°03'23.5" referenced to North American Datum of 1983, Lincoln County, WV, Hydrologic Unit 05070102.

WATER-QUALITY RECORDS

REMARKS.--Selenium samples were collected from five sites in the upper Mud River Basin in support of USGS National Research Program efforts to further understand selenium fate and transport. Each of the five sites were visited twice, once to collect water samples for the determination of selenium concentrations in stream water and suspended sediment, and once to collect bottom material to be analyzed for selenium concentrations.

**WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Time	Dis- solved oxygen, mg/L (00300)	pH, water, unfltrd field, std units (00400)	Specif- ic conduc- tance, wat unf µS/cm 25 degC (00095)	Temper- ature, water, deg C (00010)	Selen- ium, water, fltrd, µg/L (01145)	Selen- ium, water, unfltrd µg/L (01147)	Selen- ium, suspnd sedimnt total, ug/g (29847)	Sele- nium, bed sedimnt recover -able, ug/g (64848)	Sus- pended sedi- ment concen- tration mg/L (80154)
Jun										
05...	1320	8.4	7.6	481	20.3	3.7	3.3	7	--	42
26...	1235	--	--	--	--	--	--	--	2.8	--