

**U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTES**

Meas. No. 80
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name Commonwealth
Date Jan. 13, 2009 Party MS Becker, E. Blaszczak/BA Monday
Width 9.5 Area 4.30 Vel. 0.557 G. H. _____ Disch. 2.40
Method 6 No. secs. 19 G. H. change _____ in _____ hrs.
Method coef. _____ Horiz. angle coef. _____ Susp. Rod Tags checked _____
Meter Type ADV Meter No. P2151 Meter _____ ft. above bottom of wt.
Rating used _____ Spin test before meas. _____ ; after _____
Meas. plots _____ % diff. from rating no. _____ Indicated shift _____

GAGE READINGS						
Time	AT	SC	WT	Stage	Tape Down	
					Inside	Outside
1515	3.44	4.15	6.30	1.77		2.25
						8.773
1520	Start		inside			
1540	Finish					
1545				1.67		2.25
						8.773
	Weighted MGH					
	GH correction					
	Correct MGH					

Samples collected: water quality, sediment, biological, other _____
(21540)
Measurements documented on separate sheets: water quality, aux./base gage, other _____
Rain gage serviced/calibrated _____
Weather: cool / cloudy / LB
Air Temp. _____ °C at _____
Water Temp: _____ °C at _____
Check bar/chain found _____
Changed to _____ at _____
Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, 15 ft. mi. upstr., downstr. of gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: Slightly Turbulent

Cross section : _____

Gage operating: _____ Record Removed _____
Battery voltage: 13.6 Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank _____, Line _____; Bubble-rate _____ /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: Clear

Remarks: Ran Levels pH = 7.248
SC (YSI) = 33.2 @ 3.92 °C
GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____