

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

Meas. No. 49
Comp. by JH
Checked by JH

Sta. No. C1
Sta. Name Commonwealth
Date 11-28-04, 2004 Party JJ, CY, PW
Width 10.1 Area 3.36 Vel. .687 G.H. _____ Disch. 2.31
Method _____ No. secs. _____ G.H. change _____ in _____ hrs.
Method coef. _____ Horiz. angle coef. _____ Susp. _____ Tags checked _____
Meter Type _____ Meter No. _____ Meter _____ ft. above bottom of wt.
Rating used _____ Spin test before meas. _____ ; after _____
Meas. plots _____ % diff. from rating no. _____ Indicated shift _____

5067
GAGE READINGS

Time	WT	SL	TD	Inside	Outside
1528	5.8	35.7	2.25	9.033	8.75
1630 <u>Finish</u>	2.7		2.25	9.022	8.75
Start					
Finish					
Weighted MGH					
GH correction					
Correct MGH					

Samples collected: water quality, sediment, biological, other _____
5067 @ 1530
Measurements documented on separate sheets: water quality, aux./base gage, other _____
Rain gage serviced/calibrated _____
Weather: _____
Air Temp. 1.79 °C at 1530
Water Temp. 5.8 °C at 1530
Check bar/chain found _____
Changed to _____ at _____
Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, _____ 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: sand, fine gravel, slightly deeper left than rt.
Gage operating: _____ Record Removed _____
Battery voltage: 13.4 Intake/Orifice cleaned/purged: _____
Bubble-gage pressure, psi: Tank 1800, Line _____; Bubble-rate _____ /min.
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: _____

Remarks: Bip of Algae Floating

GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____

