

9-275-F  
(Apr. 93)

U.S. Department of the Interior  
U.S. Geological Survey  
Water Resources Division  
**DISCHARGE MEASUREMENT NOTES**

Meas. No. 76

Comp. by MSB

Checked by Santek

Sta. No. C1  
Sta. Name Commonwealth Storm  
Date Dec 1, 2009 Party MSB/BAM/SLD  
Width 9.50 Area 2.37 Vel. 1.01 G.H. \_\_\_\_\_ Disch. 2.39  
Method 16 No. Sec. 30 G.H. Change \_\_\_\_\_ in \_\_\_\_\_ hrs. Susp. ed  
Method coef. 1.0 Hor. angle coef. calc'd Susp. coef. 1.0 Meter No. P2151  
Type of meter Flow Tracker Date rated \_\_\_\_\_ Tag checked \_\_\_\_\_  
Meter \_\_\_\_\_ ft. above bottom of wt. Spin before meas. ADV after ok  
Meas. Plots \_\_\_\_\_ % diff from \_\_\_\_\_ rating. Levels obtained Yes

GAGE READINGS				WATER QUALITY MEASUREMENTS	
Time	Inside			Outside	
0553	→ 1407				No..... Yes... <u>X</u> ... Time <u>1415</u> 8.713 Samples Collected
1408	1.702			2.31 (TD)	No..... Yes... <u>X</u> ... Time <u>1415</u> Method Used
1415					EDI..... EWI..... Other <u>D.P.</u>
1429	1.64				8.748 SEDIMENT SAMPLES
1430	1.74				No... <u>X</u> ... Yes..... Time..... Method Used
1515	1.71			2.275 (TD)	EDI..... EWI..... Other.....
Weighted MGH				BIOLOGICAL SAMPLES	
GH correction				Yes..... Time.....	
Correct MGH				No... <u>X</u> ... Type.....	

Check bar, chain found \_\_\_\_\_ changed to \_\_\_\_\_ at \_\_\_\_\_  
Wading cable, ice, boat, upstr., downstr., side bridge 100 feet, mile, above, below, gage.  
Measurement rated excellent(2%), good(5%), fair(8%), poor(over 8%); based on following cond:  
Flow fairly uniform  
Cross section fairly even - gravel/sand  
Control bridged ice in gage pool - possible backflow  
Gage operating yes Weather warm/sunny/calm/mostly clear  
Intake/Orifice cleaned no Air \_\_\_\_\_ °C@ \_\_\_\_\_ Water \_\_\_\_\_ °C@  
Record removed no Extreme Indicator: Max \_\_\_\_\_ Min \_\_\_\_\_  
N<sub>2</sub> Pressure Tank 1700 Feed 12 Bbl rate \_\_\_\_\_ per min. Batt volt \_\_\_\_\_  
CSG checked \_\_\_\_\_ Stick reading \_\_\_\_\_  
Observer ptt = 7.461 @ 20:17 in lab F4 outside, in well \_\_\_\_\_  
HWM \_\_\_\_\_  
Remarks CRUX Time is wrong! Reset @ 1407  
#6 @ 1.702 @ 3.99 @ 39.20 @ 9.15 @ 13.8