

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

Meas. No. _____
Comp. by TK
Checked by ANW

Sta. No. _____
Sta. Name Commonwealth @ CI
Date 5 Jan, 20 13 Party TK, ANW, DC, JD
Width 15.4' Area 4.92 Vel. 0.61 G. H. - Disch. 2.99 cfs
Method Flow Tracker 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 _____

GAGE READINGS					
Time				Inside	Outside
<u>0920</u>	Start				
<u>0935</u>				<u>8.72</u>	<u>8.72</u>
<u>0943</u>				<u>8.75</u>	<u>8.75</u>
<u>1000</u>	Finish				
<u>1005</u>					
	Weighted MGH			<u>8.78</u>	<u>8.78</u>
	GH correction				
	Correct MGH				

Samples collected: water quality, sediment, biological, other _____
@ 0910
Measurements documented on separate sheets: water quality, aux./base gage, other _____
Rain gage serviced/calibrated _____
Weather: clear, breezy
Air Temp. _____ °C at _____
Water Temp: 4.5 °C at 0910
Check bar/chain found _____
Changed to _____ at _____
Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, 200 ft. mi. upstr., downstr. of gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: slight increase in Q observed during meas.
Cross section: wide sandy bottom, moderate depth

Gage operating: _____ Record Removed _____
Battery voltage: 12.04 Intake/Orifice cleaned/purged: NO
Bubble-gage pressure, psi: Tank 1500, Line 11; Bubble-rate 360 /min
Extreme-GH indicators: max _____, min _____
CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____
HWM inside/outside: _____
Control: _____

Remarks: _____

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

SITE VISIT NOTES

Commonwealth @ CI

05 January 2013

• arrive w/ TK, JP, and DC @ 0910

• WQ sample taken @ 0911

$T_m = 4.5^\circ C$

$SC_m = 34.5^\circ C$

• weather is clear, sunny, warm, breezy

• N_2 @ 1500 psi Reg @ 11 psi

#6 @ 0912 OG @ 0913 RP = 10.86

SL 8.6124 TP = 2.20 WSEL = 8.66'

WT 4.49 4.5°C

SC 29.73 34.5 MS/Lm

AT 12.79 -

BV 12.04 -

• TK is running flowTracker meas US of central

START REW @ 0920 6.2'

END LEW @ 1000 22.0' $Q = 2.99 cfs$

• offset was re-set @ 0932

* New offset = 8.28'

inside	out TD	time	OG WSEL
8.72	2.14	935	8.72
8.75	2.11	943	8.75
8.78	2.08	1005	8.78