

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

Meas. No. _____

Comp. by _____

Checked by _____

Sta. No. _____

Sta. Name C1 - CommonwealthDate Dec 10, 2002 Party JG, KC

Width _____ Area _____ Vel. _____ G.H. _____ Disch. _____

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 _____

GAGE READINGS

Time	TD	Inside	Outside
	cm		ft
10:38		8.56	
Start			
10:40	74		8.603
10:45		8.576	
Finish			
Weighted MGH			
GH correction			
Correct MGH			

Samples collected: water quality,
sediment, biological, other _____Measurements documented on
separate sheets: water quality,
aux./base gage, other _____

Rain gage serviced/calibrated _____

Weather: 80% cc - cirrus + cumulus

Air Temp. _____ °C at _____

Water Temp. _____ °C at _____

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: _____

Cross section: _____

Gage operating: _____ Record Removed _____

Battery voltage: 13.69 Intake/Orifice cleaned/purged OK!Bubble-gage pressure, psi: Tank 1900, Line _____; Bubble-rate _____ /min.

Extreme-GH indicators: max _____, min _____

CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____

HWM inside/outside: _____

Control: Sediment fr delta may soon cover orificeRemarks: Installed new N2 tank; also have full spare N2 tank;
took out CIA S/M, put in CIB S/M

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

Sheet No. _____ of _____ sheets

Old Year 2003 → 2002J-day 71 → 344Time 1:54 → 10:34

Top of rebar elevation from 12/28/02 levels = 11.030 ft

$$\textcircled{1} \text{ Top of rebar} = 74 \text{ cm} \left(\frac{1}{291 \text{ cm}} \right) (12 \text{ m}) = 2.428 \text{ ft} \rightarrow 11.030 - 2.428 = 8.602 \text{ ft}$$

$$\begin{array}{r} \text{RPS} \\ - \text{TD} \\ \hline \end{array} = \begin{array}{r} 11.031 \\ - 2.428 \\ \hline \end{array}$$

8.603 - 06

(no time associated w/ this CG)

11/10/02

CI - Commonwealth

12/10/02

John
Kane

Notes

- OPEN!

Flow is present

Time:

10:34

→ 10:08

Julian Day - 71 →

Yr - 33 →

N₂ tank is empty

Has - CR10 WP wiring panel

- program

- extra nitrogen tank

- 2 batteries

- program sheet

Solar panel - on west

S/m CIA has good battery, but no date on s/m

New N₂ tank - ~~1900 psi~~ → 1700 1900 psi

Also have full spare N₂ tank

installed CI B

channel readings @ 10:38

#1 Stage 8.56

#2 AT 2.04

5 volts 13.69

} seem plausible

- conoflow looks o.k., opened up!

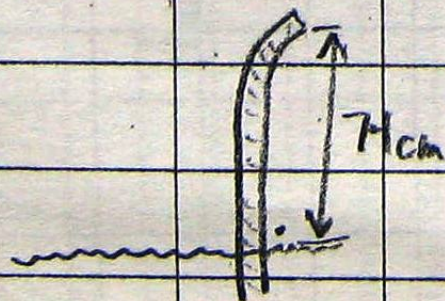
may need more oil
successful purge

- Stream Flowing
picture taken

stage is 5.5cm above orifice bolt

Sediment from delta may soon cover orifice

- stage is 74cm down from top
of rebar



cloudy 80% - cirrus + cumulus

To Do: Next Time

• E-mail Chris about delta /
Commonwealth - mess w/ ST

• Bring conoflow oil
• Bring shovel
• Bent rebar
• Bring CRUX

Ch. 1 - 8.5756 Stage
Ch. 2 - 0.76416 air temp
Ch. 3 - -99999
Ch. 4 - 0.0000
Ch. 5 - 13.684 volts

Took out C/A, installed C/B SM