

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 Lost Seal @ F3
Date 11 Dec, 20 12 Party ANW, DC
Width 9' Area 2.582 Vel. 0.598 G. H. _____ Disch. 1.55 cfs
Method FlowTracker 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>1108</u>	Start					
<u>1110</u>					<u>1.67</u>	<u>0.67</u>
<u>1154</u>					<u>1.66</u>	<u>0.66</u>
<u>1159</u>	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 _____

SEE SITE NOTES

Rain gage serviced/calibrated _____

Weather: overcast/snow

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: low

Cross section: uniform substrate, located US of
gage box

Gage operating: _____ Record Removed _____

Battery voltage: _____ 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: _____

Remarks: FlowTracker measurement upstream of
gage box

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

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STATION NUMBER

LEVEL NOTES

STREAM Lost Seal @ F3

LOCALITY

PARTY ANW + DC

DATE 11 Dec 12, 19 2012

STATION	B. S.	HT. INST.	F. S.	ELEVATION	REMARKS
arrive @ lost seal w/ DC @					overcast and 10 15 snowy weather
photo documented on arrival,					no visible damage to structure.
clear evidence of recent high flows					
key pad → CR10X connect @				1021	
- sonar rate changed to 15s,					time looks o.k.
* @ 10 27 outside @ 10 26					
stage 1.69			0.69'		= staff gage height
WT 0.8			1.0		
Sc 5.93			28 MS		(NOT ADJUSTED)!
AT 1.03					
BSV 12.53					

conductivity is off b/c of sediment in instrument.

- sediment cleared - problem solved!

SpC inside is now 44.2 $\mu S/cm$

* W @ sampled @ 1050 (by PC)

Cond = 28 μS (NOT ADJ)

Tm = 1.2 °C

- Flow Tracker measurement by DC

see Q notes for details

* Mz @ 1000 psi

* CR10X data collected and saved on Gooseff MSE

NO. 1 OF 1 SHEETS COMP. BY ANW CHK. BY

for personal inquiry.