

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

Meas. No. _____
Comp. by JP
Checked by AAW

Sta. No. _____
Sta. Name Lost Seal @ F3
Date 18 Dec, 2012 Party _____
Width 11.0 Area 3214 Vel. 0.71 G. H. — Disch. 2.28 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>LEW</u>				
<u>1140</u>	Start			<u>1.65</u>	<u>0.67</u>
	<u>REW</u>				
<u>1240</u>	Finish			<u>1.67</u>	<u>0.68</u>
	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: _____
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: upstream of control

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: _____

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

SITE VISIT NOTES

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Lost Seal @ F3

18 December 2012

- arrive w/ JD @ 1135 fr. F6 cond
- cool breeze fr. E., clouds moving IN
- flowing! water moving over overflow spillway.

#6 @ 1136

OG @ 1138

st	1.65	 	0.67
wt	6.76	 	7.0 °c
cond	45.7	 	51.7 $\mu\text{S}/\text{cm}$
AT	5.95	 	-
BY	13.00	 	-

• N₂ @ 1000 psi

• WQ sampled @ 1145

$SC_m = 51.9 \mu\text{S}/\text{cm}$

$WT_m = 6.9^\circ\text{c}$

#6 @ 1240

OG @ 1240

st.	1.67'	 	0.68'
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• JD completed FlowTracker measurement.

$Q = 2.42 \text{ cfs}$ REW @ 1240

SEE Q notes.

• leaving site @ 1242