

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. F3

Sta. Name Lost Seal Stream

Date 22 Dec, 20 10 Party CLJ

Width 44.9 Area 22.3 Vel. - G. H. _____ Disch. 44.9

Method 0.6 No. secs. _____ G. H. change _____ in _____ hrs.

Method coef. _____ Horiz. angle coef. _____ Susp. _____ Tags checked _____

Meter Type ADV 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	WT	WTm	SC	SLm	Inside	Outside
	<u>3.3</u>					
<u>1919</u>	<u>3.3</u>	<u>5.3</u>	<u>15.2</u>	<u>36.0</u>	<u>2.52</u>	<u>21.68</u>
<u>1930</u>	Start				<u>2.53</u>	<u>21.68</u>
					<u>5.1</u>	<u>5.2</u>
					<u>Q = 19.0</u>	<u>25.9</u>
					<u>W = 29.0</u>	<u>29.4</u>
					<u>A = 10.2</u>	<u>12.1</u>
					<u>V = 1.8</u>	<u>2.1</u>
<u>2127</u>	Finish				<u>2.48</u>	<u>1.6240</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 2130

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: falling, non-turbulent

Cross section: >100ft in width, had to do 2 separate sections, bridging resulted in Q measurement capturing 95% of flow

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: in need of repair, flow is over-topping RE of flume, need at more layer of sand bag

Remarks: _____

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