

**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 SAUTE FE

Date JAN 22, 2010 Party FIB, MSB

Width 17.4 Area 5.90 Vel. 3.00 G. H. \_\_\_\_\_ Disch. 17.7

Method G.G No. secs. 26 G. H. change \_\_\_\_\_ in .4 hrs.

Method coef. 1.0 Horiz. angle coef. old Susp. LO Tags checked \_\_\_\_\_

Meter Type Flowmeter Meter No. 251 Meter \_\_\_\_\_ ft. above bottom of wt.

Rating used \_\_\_\_\_ Spin test before meas. ADV; after \_\_\_\_\_

Meas. plots \_\_\_\_\_ % diff. from rating no. \_\_\_\_\_ Indicated shift \_\_\_\_\_

GAGE READINGS					
Time				Inside	Outside
	Start				
	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: \_\_\_\_\_

Air Temp. 4.0 °C at 17:00

Water Temp: 2.0 °C at 17:00

Check bar/chain found \_\_\_\_\_

Changed to \_\_\_\_\_ at \_\_\_\_\_

Correct \_\_\_\_\_

Wading, cable, ice, boat, upstr., downstr., side bridge, 150 ft. <sup>above old gage</sup> mi. upstr., downstr. of gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following conditions: Flow: Fairly steady

Cross section: Gravel / Cobble / Sand

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: + ESTIMATED 0.5 cfs → One to very poor

SC = 180.6 μS @ 11.8 °C pH = 8.973 Measuring section on  
new and helicopter approaching  
GH of zero flow = GH \_\_\_\_\_ depth at control \_\_\_\_\_ = \_\_\_\_\_ ft., rated \_\_\_\_\_