

**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. 614000.00

Sta. Name

Date Jan 7, 20 14 Party SC, AM + GR
Width _____ Area _____

Width _____, 20 14 Party SC, AM + GR
 Method _____ Area _____ Vel. _____ G. H. _____ Disch. 1119 1101
 No. 5000

Method _____ Vel. _____ G. H. _____ Disch. 149.496
 Method coef. _____ No. secs. _____ G. H. change _____ in _____
 Horiz. angle _____

Method coef. _____ No. secs. _____ G. H. change _____ Discn. 47.4%
Meter Type 2 track Horiz. angle coef. _____ in _____ hrs.
Meter No. _____ Susp. _____ Tags checked _____

Meter Type 2 track Horiz. angle coef. _____ in _____ hrs.
Rating used _____ Meter No. _____ Susp. _____ Tags checked _____
Spin test _____ Meter _____ ft. above batt.

Rating used _____ Meter No. _____ Meter _____ tags checked _____
Meas. plots _____ Spin test before meas. _____ ft. above bottom of wt. _____
_____ % diff from _____ : after _____

Meas. plots _____ Spin test before meas. _____ ft. above bottom of wt. _____
 _____ % diff. from rating no. _____ ; after _____
 _____ Indicated shift _____

Indicated shift

GAGE READINGS					
Time				Inside	Outside
			15125	Stg	2.35 2.50
			"	WT	4.6 4.5
	Start		"	SC	23.8 34.3
			Stg	was taken by Alex...	
			more like	2.48???	
	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 _____
WD 15 10

Rain gage serviced/calibrated
pH: 7.31

Weather: _____

Air Temp. _____ °C at _____

Water Temp: _____ °C at _____

Check bar/chain found _____

Changed to _____ at _____

Correct _____ at _____

Measurement rated excellent (2%), good (5%), fair (8%), poor (10%) _____

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

Cross section : _____

Gage operating:

Battery voltage: _____ Record Removed

Bubble-gage pressure, psi: Tank _____ Intake/Orifice cleaned/purged: _____

Extreme-GH indicators: max _____, Line _____; Bubble-rate _____

CSG checked: _____, min _____, max _____, Bubble-rate _____/min.

HWM inside/outside: 2 ft. inside HWM height on stick _____ Ref. elev. _____

Control: at Freek, ONYBRW75 Nor. elev. _____ HWM elev. _____

Remarks: _____

Remarks: _____

H of zero flow: $\frac{1}{2} \rho v^2$

of zero flow = GH - depth at control