

U.S. Geological Survey
WATER RESOURCES DIVISION
DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTES

Meas. No. _____

Comp. by CHW

Checked by _____

Sta. No. C1Sta. Name Compton/Lewis/H. StreamDate 12/6/2008, 20____ Party CHW SLD ARBWidth _____ Area _____ Vel. _____ G. H. _____ Disch. 434Method Cutthroat 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						RP3=11.01		Samples collected: <u>water quality</u> , <u>sediment, biological, other</u>
Time						Inside	Outside	
1424						1.98		<u>E=15.35</u>
						TD → 2.48		
1453	Start					1.99		Measurements documented on separate sheets: water quality, aux./base gage, other _____
						TD 2.52		
								Rain gage serviced/calibrated _____
								Weather: _____
								Air Temp. _____ °C at _____
								Water Temp. <u>33.9°F</u> °C at <u>1427</u>
								Check bar/chain found _____
								Changed to _____ at _____
								Correct _____
Weighted MGH								
GH correction								
Correct MGH								

Wading, cable, ice, boat, upstr., downstr., side bridge, 150 ft., mi. upstr., downstr. of gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (> 8%); based on following

conditions: Flow: _____

Cross section: cobble/gravel/sandGage operating: yes Record Removed noBattery voltage: 13.1 Intake/Orifice cleaned/purged: noBubble-gage pressure, psi: Tank 1700, Line 14; Bubble-rate 60 /min.

Extreme-GH indicators: max _____, min _____

CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____

HWM inside/outside: _____

Control: backwater due to ice - clearedRemarks: False stage height due to ice build up in part of controlCleared the back (Readings: Battery = 13.0V/14.1)

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

Sheet No. _____ of _____ sheets

River at -										.75	
ANGLE COEFFICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVATION DEPTH	REVOLUTIONS	TIME IN SECONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VERTICAL			
											.80
											.85
											.90
											.92
											.94
								50.61 (5)			.96
								75.2 (6)			.97
								58.75 (6)			.98
								68.1 (8)			.99
								52.7 (1)			
								57.5 (1)			
○								57.5 (1)	0.72		1.00
											.99
											.98
											.97
											.96
											.94
											.92
											.90
								57.5 (1)	0.72		.85
								57.5 (1)	0.72		.80