

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

Meas. No. 82
Comp. by _____
Checked by _____

Sta. No. _____
Sta. Name H2 House
Date Jan 9, 2010 Party E Blajszczak / B Amodey
Width _____ Area _____ Vel. _____ G. H. _____ Disch. 0.042
Method _____ No. secs. _____ G. H. change _____ in _____ hrs.
Method coef. _____ Horiz. angle coef. _____ Susp. _____ Tags checked _____
Meter Type Baski 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						Baski	
Time	SpCond	Temp	WTemp	Stage	Inside	Outside	
1640	102	4.17	0.160	1.08		0.05	
1650	@ Lower section				0.14	-0.083	
1705	Start New section				0.10	-0.042	
	30' ds control						
1710				1.07		0.05	
	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: cool/cloudy
Air Temp. 2.0 °C at 1710
Water Temp: 1.0 °C at 1710
Check bar/chain found _____
Changed to _____ at _____
Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, 30 ft., mi. upstr., downstr. of gage.

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

Cross section: Cobble/Sand → Firm

Gage operating: OK Record Removed No

Battery voltage: 14.1 Intake/Orifice cleaned/purged: No

Bubble-gage pressure, psi: Tank 1500, Line 12; Bubble-rate _____ /min.

Extreme-GH indicators: max _____, min _____

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

HWM inside/outside: _____

Control: Leaking Fairly significantly on LEW → Almost 40-50% of flow → Flume clear

Remarks: Time OK Date 1642
Believe BW May have been Present @ Lower section

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

.0 .10 .20 .30 .40 .50 .60 .70 .75
 River at -

ANGLE COEF. FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUSTED FOR HOR. ANGLE OR	AREA	DISCHARGE .80	
							AT POINT	MEAN INVER- TICAL				
			YSI - (2)		1710						.85	
			SC =		60.3							
			Temp =		0.900						.90	
			pH → obtained in Lab @ Lake House 01/09/10									.92
			(2)		2240							
			pH =		7.38						.94	
											.96	
											.97	
											.98	
											.99	
											1.00	
											.99	
											.98	
											.97	
											.96	
											.94	
											.92	
											.90	
											.85	
											.80	

.0 .10 .20 .30 .40 .50 .60 .70 .75