

9-275-F
(Apr. 93)

U.S. Department of the Interior
U.S. Geological Survey
Water Resources Division

Meas. No. 88

Comp. by _____

DISCHARGE MEASUREMENT NOTES

Checked by _____

Sta. No. _____

Sta. Name H1 - Anderson

Date Dec 26, 2009 Party SL Davidson

Width 1.66 Area .146 Vel. .714 G.H. _____ Disch. 0.104

Method Neutral Recurrent No. Sec. _____ G.H. Change _____ in _____ hrs. Susp. _____

Method coef. _____ Hor. angle coef. _____ Susp. coef. _____ Meter No. _____

Type of meter _____ Date rated _____ Tag checked _____

Meter _____ ft. above bottom of wt. Spin before meas. _____ after _____

Meas. Plots _____ % diff from _____ rating. Levels obtained _____

GAGE READINGS				WATER QUALITY MEASUREMENTS	
Time	Inside		Outside	No. <input checked="" type="checkbox"/>	Yes..... Time.....
1323	1.039		0.04	-1.04	Samples Collected
1330				No. <input checked="" type="checkbox"/>	Time.....
1345				1.08	Method Used
1348	1.06		0.08	EDI.....	EWI..... Other.....
1400					SEDIMENT SAMPLES
1406	1.0806		0.09	-1.09	No..... Yes..... Time.....
					Method Used
				EDI.....	EWI..... Other.....
Weighted MGH				BIOLOGICAL SAMPLES	
GH correction				Yes..... Time.....	
Correct MGH				No..... Type.....	

Check bar, chain found _____ changed to _____ at _____

Wading, cable, ice, boat, upstr., downstr., side bridge 25 feet mile, above, below, gage.

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

Flow very low but well distributed

Cross section gravel - cwn

Control Bridged ice in stream - no effect

Gage operating Yes Weather Sunny/warm/calm

Intake/Orifice cleaned No Air _____ °C@ _____ Water _____ °C@ _____

Record removed No Extreme Indicator: Max _____ Min _____

N₂ Pressure Tank _____ Feed _____ Bbl rate _____ per min. Batt volt _____

CSG checked _____ Stick reading _____

Observer _____

HWM _____

Remarks *6 @ 1326 ⁴⁴ ① 1.0393 ^{WT} ② 45.166 ^{*P???} ③ -78.656 ^{SS} ④ 10.568 ^{BT} ⑤ 12.935

YSI 30 SC = 42.6 μS WT = 4.3°C

G.H. of zero flow _____ Chart No. _____ of _____ sheets

River at-

Angle coef- ficient	Dist. from initial point	Width	Dept h	Observa- tion Depth	Revo- lutions	Time in seconds	VELOCITY		Adjusted for hor.- angle or -----	Area	Discharge	
							At Point	Mean in vertical				
		<u>width (ft)</u>					<u>depth (ft)</u>				.85	
		① 1.6	} avg = 1.66				① .13	} avg = .088			.90	
		② 1.9					② .14					.92
		③ 2.0					③ .106					.94
		④ 1.4					④ .107					.96
		⑤ 1.4					⑤ .110					.98
		<u>distance = 10 ft</u>					<u>Time (sec)</u>				.99	
							① 15	} avg = 14/sec			1.0	
							② 16					
							③ 13					
							④ 11					
							⑤ 15					
		Area avg = .146 ft ²					Velocity = 0.714 ft/s				.99	
		Q = .104									.98	
		<p>WT appears to be reading in °F - Attempted to reload Program but did not help.</p>										