

WATER RESOURCES DIVISION

Sta. No. **DISCHARGE MEASUREMENT NOTES** Checked by

Commonwealth Stream @ CI
Date 12/22, 19 99 Party EC, JM, MG
Width 5.4 Area 1.83 Vel. 0.255 G.H. Disch. 0.467 cfs
Method No. secs. 19 G.H. change +0.05 in 0.75 hrs. Susp.
Method coef. Hor. angle coef. Susp. coef. Meter No.
Type of meter P19m 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	Yes	Time
0930	8.53			TD= 2.54		<input checked="" type="checkbox"/>	0930
				↳ 8.71		<input checked="" type="checkbox"/>	0930
1015	8.53			TD= 2.49			
				↳ 8.76			
				↳ (CJ) 8.47			
				↳ (CJ) 8.52			
Weighted M.G.H.					SEDIMENT SAMPLES		
G.H. correction					No	<input checked="" type="checkbox"/>	Time
Correct M.G.H.					Method Used		
					EDI	EWI	Other
					BIOLOGICAL SAMPLES		
					Yes	<input checked="" type="checkbox"/>	Time
					No	<input checked="" type="checkbox"/>	Type

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge 70 feet/mile, above, below gage.

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

Flow Nice uniform flow

Cross section

Control

Gage operating Weather

Intake/Orifice Cleaned Air °C@ Water °C@

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank ~1800 Feed 10 Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks SC_m = 169 μs WT_m = 40 °C
@ 0920, found N₂ regulator feed = 0psi! readjusted to 10psi

River at—

Angle coef- ficient	Dist. from initial point	Width	Depth	Observa- tion depth	Rev- olu- tions	Time in sec- onds	VELOCITY		Adjusted for hor. angle or -----	Area	Discharge
							At point	Mean in ver- tical			
	5.0M	6.15	.28		0	REW @	9:45			0.042	0
	5.3	0.30	.32	.6	0	—	0	0		0.096	0
	5.6ft	0.30	.32		0	—	0	0		0.096	0
	5.9	0.30	.28		15	61	0.267			0.084	0.022
	6.2	0.30	.28		15	44	0.359			0.084	0.030
	6.5	0.30	.32		15	56	0.288			0.096	0.028
	6.8	0.30	.32		15	45	0.351			0.096	0.034
	7.1	0.30	.32		15	40	0.391			0.096	0.038
	7.4	0.30	.31		15	46	0.344			0.093	0.032
	7.7	0.30	.31		15	48	0.331			0.093	0.031
	8.0	0.30	.31		15	59	0.275			0.093	0.026
	8.3	0.30	.32		15	40	0.391			0.096	0.038
	8.6	0.30	.36		20	47	0.440			0.108	0.048
	8.9	0.30	.35		20	44	0.468			0.105	0.049
0	9.2	0.30	.33		15	53	0.303			0.099	0.030
	9.5	0.30	.29		10	73	0.163			0.287	0.047
	9.8	0.35	.25		3	40	0.103			0.088	0.009
	10.2	0.30	.20		2	40	0.079			0.060	0.005
	10.4	0.10	0			LEW 1010				0	0
	$\Sigma = 5.4$									$\Sigma = 0.467 \text{ cfs}$	
									$\Sigma A =$	1.832	ft ²

