

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. C16
Comp. by. HH

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

COMMONWEALTH ST. - SITE C1
Date 12/16, 19 93 Party M.H.-R.R.
Width 4.80 Area 2.16 Vel. 0.814 G.H. 8.84 Disch. 1.76
Method 6 No. secs. 17 G.H. change 0 in 1/3 hrs. Susp.
Method coef. Hor. angle coef. 1.0 Susp. coef. Meter No.
Type of meter Pygmy 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	ADR	Graphic	Outside	No	Yes
1400	8.86			8.84		<input checked="" type="checkbox"/>
1422	8.85			8.84		<input checked="" type="checkbox"/>
					Samples Collected	
					No	Yes <input checked="" type="checkbox"/>
					Method Used	
					EDI	EWI Other <input checked="" type="checkbox"/>
					SEDIMENT SAMPLES	
					No <input checked="" type="checkbox"/>	Yes
					Method Used	
					EDI	EWI Other
Weighted M.G.H.					BIOLOGICAL SAMPLES	
G. H. correction					Yes	Time
Correct M.G.H.					No <input checked="" type="checkbox"/>	Type

Check bar. chain found changed to at
Wading, cable, ice, boat, upstr., downstr., side bridge. 15 feet, mile, above, below gage.
Measurement rated excellent (2%), good (5%), fair (8%), poor (over 8%); based on the following cond:
Flow . . . even
Cross section sand & gravel
Control Rock weir with snow & ice on top
Gage operating Weather
Intake/Orifice cleaned no Air °C@ Water °C@
Record removed no Extreme Indicator: Max. Min.
Manometer N₂ Pressure Tank 1400 Feed Bbl rate per min.
CSG checked Stick reading
Observer
HWM outside, in well
Remarks 30 knot wind Blowing DOWNSTREAM - Reading AT R.P.R. WATER HAD WAVES - PZF MEASUREMENT APPROX. DUE TO SNOW ON WEIR.
G.H. of zero flow 8.25 ft. Sheet No. of sheets

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			
LEW 1425	0.9		0.38	.4	0	0					
	1.2		0.43		35	46					
	1.5		0.38		50	48					
	1.8		0.41		49	42					
	2.1		0.41		50	45					
	2.4		0.43		60	42					
	2.7		0.45		60	45					
	3.0		0.50		50	43					
	3.3		0.53		50	45					
	3.6		0.52		30	40					
	3.9		0.52		30	46					
	4.2		0.50		25	44					
	4.5		0.48		20	50					
	4.8		0.50		15	40					
⊙	5.1		0.47		20	42					
	5.4		0.42		15	47					
REW 1421	5.7		0.1		0	0					