

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No.

Comp. by.

WATER RESOURCES DIVISION

Sta. No. DISCHARGE MEASUREMENT NOTES Checked by

Commonwealth Stream @ C1

Date *8 January 1995* Party *PS*

Width *2.6* Area *0.57* Vel. *0.99* G. H. *8.54* Disch. *0.56*

Method No. secs. *10* G. H. change. in hrs. Susp.

Method coef. Hor. angle coef. *1.0* Susp. coef. Meter No.

Type of meter *Pye* Date rated Tag checked

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

Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS <i>Topdown</i>					WATER QUALITY MEASUREMENTS	
Time	Inside	ADR	Graphic	Outside	No. Yes. <input checked="" type="checkbox"/>	Time
<i>1330</i>	<i>8.54</i>			<i>2.70</i>	Samples Collected	
<i>1350</i>	<i>8.55</i>			<i>2.66</i>	No. Yes. <input checked="" type="checkbox"/>	Time
					Method Used	
					EDI	EWI Other.
					SEDIMENT SAMPLES	
					No. Yes.	Time
					Method Used	
					EDI	EWI Other.
					BIOLOGICAL SAMPLES	
Weighted M.G.H.					Yes.	Time
G. H. correction					No.	Type
Correct M.G.H.						

Check bar. chain found changed to at

Wading, cable, ice, boat, upstr., downstr., side bridge. *150* feet, mile, above, below gage.

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

Flow. *Steady* *Non turbulent*

Cross section *Sand*

Control *No Leaks, Natural*

Gage operating ☒ Weather *Clear, cool*

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

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank ☒ Feed ☒ Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well

Remarks *Flow entirely in V notch*

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Topdown *44* ft.

G.H. of zero flow Sheet No. of sheets

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			
1.0	4.8		.10	.6	40	47.2					
	1.0		.15	1	40	47.2					
	1.3		.20		40	41.1					
	1.6		.25		40	46.3					
	1.9		.26		40	40.7					
	2.2		.28		45	42.8					
	2.5		.30		45	42.2					
	2.8		.25		55	45.8					
	3.1		.16		35	41.8					
	3.4		.05		17	41.8					

WATER RESOURCES DIVISION

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

Commonwealth Stream 2 C1

Date 8 Jan, 19 95 Party P5

Width 2.6 . . . Area . 0.60 . . . Vel. 1.09 . . . G. H. 8.57 . . . Disch. 0.66

Method No. secs. 10 . . G. H. change. in hrs. Susp.

Method coef. Hor. angle coef. 1 Susp. coef. Meter No.

Type of meter Hand 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

GAGE READINGS

[illegible]

WATER QUALITY MEASUREMENTS

No Yes Time

Samples Collected

No Yes Time

Method Used

EDI EWI Other

SEDIMENT SAMPLES

No Yes Time

Method Used

EDI EWI Other

BIOLOGICAL SAMPLES

Yes..... Time

No 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. Steady Non Reversed

Cross section sand
Control No Leaks

Control	100	100	100
Cage operating	100	100	100
Weather	100	100	100

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

Record removed Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank Feed Bbl rate per min.

CSG checked Stick reading

Observer outside, in well

HWM outside, in well

Remarks . . . Flow over V. water . . .
 Flat area

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G.H. of zero flow 1294.22 - 48 ft. Sheet No. _____ of _____ sheets

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			
1	1.0		.12	6	45	45.0					
	1.2		.16	1	45	45.0					
	1.5		.22		50	42.2					
	1.8		.23		40	40.0					
	2.1		.28		45	44.7					
	2.4		.30		50	47.2					
	2.7		.32		55	42.4					
	3.0		.23		50	41.4					
	3.3		.20		40	40.2					
	3.6		.10		20	40.2					

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			
1	0.9		0.05	.6	20	43.4					
	1.2		.15		40	43.4					
	1.5		.25		55	42.5					
	1.8		.37		65	41.8					
	2.1		.40		50	40.9					
	2.4		.40		50	41.0					
	2.7		.43		60	44.2					
	3.0		.47		60	42.9					
	3.3		.42		60	42.6					
	3.6		.37		60	44.2					
	3.9		.30		60	46.6					
	4.2		.25		50	43.5					
	4.5		.16		45	42.1					
	5.0		.12		22	42.1					