

U. S. DEPARTMENT OF THE INTERIOR
Geological Survey

Form 9-275-D
(Jan. 1988)

WATER RESOURCES DIVISION

Date Nov 24, 192004

MISCELLANEOUS FIELD NOTES

Canada Stream

• Stream is Flowing

• * 6 Stage = 1.75, WT = 4.00, SC = 22.72, $V_0 H_0 = 12.5$

• Date & time checked out OK Day 328, Yr 2004, time
1502

• Nitrogen at 1880 psi, feed @ 10 psi

• Discharge measurement collected.

• Water quality sample collected @ 1510

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Meas. No. 56
Comp. by JJ

WATER RESOURCES DIVISION

Sta. No. **DISCHARGE MEASUREMENT NOTES** Checked by FRW/obect
Canada Stream

Date Nov 24, 2004 Party P. R. Wright, J. Joslin
Width 8.5 Area 2.1 Vel. .563 G.H. Disch. 1.18
Method .06 No. secs. G.H. change. in hrs. Susp. Rod
Method coef. 1 Hor. angle coef. 1 Susp. coef. 1 Meter No.
Type of meter Pygmy Date rated 6/99 Tag checked
Meter ft. above bottom of wt. Spin before meas. 1 after
Meas. plots. % diff. from. rating. Levels obtained.

GAGE READINGS

WATER QUALITY MEASUREMENTS

Time	CR-10	Inside	ADR	Graphic	Outside
1500	1.75				0.71 ± .01
1610	1.62				.58 ± .01
Weighted M.G.H.					
G. H. correction					
Correct M.G.H.					

No Yes. Time
Samples Collected
No Yes. Time 150
Method Used
EDI EWI Other. Grab.

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. 50 feet, mile, above, below gage

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

Flow.

Cross section

Control Clear, looks in good shape

Gage operating Weather P. Cloudy, 10-20 mph wind

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

Record removed N Extreme Indicator: Max. Min.

Manometer N₂ Pressure Tank 1890 Feed 10 Bbl rate per min.

CSG checked Stick reading

Observer

HWM outside, in well AE

Remarks stage @ 1500 1.02 + 0.71 = 1.73 stage @ 1610 .58 + 1.02 = 1.60

Angle coefficient	Dist. from initial point	Width	Depth	Observation depth	Revolutions	Time in seconds	VELOCITY		Adjusted for hor. angle or	Area	Discharge	
							At point	Mean in vertical				
	3.6	.2	0		REW 6)		1518					.80
	4.0	.4	.22		0	40	0			.088	1.0	.85
	4.4	.35	.28		5	59	0.113			.098	.011	
	4.7	.30	.26		50	40	1.023			.078	.096	
	5.0	.30	.32	.6	50	48	1.03			.096	.099	.90
	5.3	.30	.34	.6	25	55	.468	.462		.102	.048	.92
	5.6	.30	.32	.6	10	42	.260			.096	.025	
	5.9	.30	.32	.6	40	51	.784			.096	.075	.94
	6.2	.30	.26	.6	50	45	1.10			.078	.086	.96
	6.5	.30	.30	.6	50	50	.442			.090	.089	.97
	6.8	.30	.28	.6	40	48	.832	.906		.084	.070	.98
	7.1	.30	.38	.6	25	40	.631			.114	.072	.99
	7.4	.30	.40	.6	50	51	.973			.12	.112	
	7.7	.30	.32	.6	40	46	9.423	.866		.096	.083	.883
	8.0	.30	.32	.6	20	50	.415			.096	.040	1.00
	8.3	.30	.32	.6	20	51	.408			.096	.039	
	8.6	.30	.30	.6	25	52	.493	1.518		.090	.044	
	8.9	.30	.28	.6	25	50	.511			.084	.043	.99
	9.2	.30	.24	.6	25	57	.452			.072	.032	1.071
	9.5	.30	.22	5	20	53	.394			.066	.026	.97
	9.8	.4	.18	5	7	42	.191			.072	.014	.96
	10.3	.55	.18	5	10	55	.206			.099	.020	
	10.9	.6	.15	5	15	45	.351			.09	.032	.94
	11.5	.6	.16	5	7	43	.188			.096	.018	.92
	12.1	.3	0		LEW 6)	1603	12.88/23			2.10	1.18	.90
	8.5						.563					
												.85
												.80