

-275-F
Apr. 93)

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

Meas. No. 56
Comp. by _____

DISCHARGE MEASUREMENT NOTES

Checked by _____

Sta. No. _____
Sta. Name CANADA STREAM OF 1 AQUALAC Transit "1"
Date 12-12-03 Party GJT, KC
Width 11 Area 3.21 Vel. 0.63 G.H. _____ Disch. 2.05
Method 0.6 No. Sec. _____ G.H. Change _____ in _____ hrs. Susp. _____
Method coef. _____ Hor. angle coef. _____ 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	WT _m	SC _m	Outside	No.....	Yes..... Time.....
1737	1.94			0.915	start	Samples Collected
1810	1.92	4.1	222.5	0.87	end	No..... Yes..... Time.....
					Method Used	
					EDI.....	EWI..... Other.....
					SEDIMENT SAMPLES	
					No.....	Yes..... Time.....
					Method Used	
					EDI.....	EWI..... Other.....
					BIOLOGICAL SAMPLES	
Weighted MGH					Yes..... Time.....	
GH correction					No..... Type.....	
Correct MGH						

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 following cond:
Flow Steady, Mostly Uniform,
Cross section gravel/sand
Control _____
Gage operating well Weather Coldy Cloudy, Breezy
Intake/Orifice cleaned No Air _____ °C@ _____ Water 4.7 °C@ _____
Record removed _____ Extreme Indicator: Max _____ Min _____
N₂ Pressure Tank 1700 Feed 10 Bbl rate _____ per min. Batt volt 13.8
CSG checked _____ Stick reading _____

Observer _____
HWM Time _____ outside, in well _____
Remarks Date on CR10 wrong, was: 0024, set to 1735
SC=20.9, Par levels

OG. 0.915 + 1 = 1.915' OG = .87 + 1 = 1.87'
G.H. of zero flow _____ ft. Sheet No. _____ of _____ sheets

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES DIVISION

STATION Canada @ FI

DATE 12-12-03 PARTY W. KC

ELEVATIONS OF POINTS

Object	1st Diff.	2nd Diff.	3rd Diff.	4th Diff.	Aver. Diff.	Elevation

WIRE WEIGHT GAGE

BUBBLER DIAL or FLOAT TAPE

	WIRE WEIGHT GAGE			BUBBLER DIAL or FLOAT TAPE	
	Found	Left		Found	Left
Ch. Bar. Elev.			R. P. Elev.		
Ch. Bar. Rd.			Tape to W.S.		
W.S. Reads			W.S. Elev.		
			Gage Rdg.		
			Corr'n		

OUTSIDE STAFF SECTIONS

Section	Found			Left		
	R. P. Elev.	R. P. Read	Corr'n	R. P. Elev.	R. P. Read	Corr'n

STATION	B. S.	HT. INST.	I. S.	ELEVATION	REMARKS
(X) RM3	3.6475	11.0505		7.403	bolt 60' DSL
RM4			Given →	6.946	bolt 113' DSL
			4.105	6.9455	
Flume			10.07	0.9805	US bottom
"			10.125	0.9255	orifice
"			7.5625	3.488	US right
"			7.560	3.4905	DS left
"			6.720	4.3305	staff @ 3.33
"			9.275	1.7755	PZF overflow
TP			5.16	5.8905	
	6.335	12.2255			
Flume			10.4875	1.738	PZF
					staff
			11.3275	0.898	orifice
			11.28	0.9455	US bottom
BM4			5.27	6.9555	
BM3			4.805	7.4205	
			8.805	3.4205	staff @ 2.46