

Meas. No. 80
Comp. by NRM
Checked by _____

DISCHARGE MEASUREMENT AND
GAGE INSPECTION NOTES

Sta. No. 00000001
Sta. Name F1 Canada Stream
Date 1/15/08, 20____ Party NRM/AMS/LFS
Width 2.0775 ft Area 1.452 ft² Vel. 2.07 ft/s G. H. _____ Disch. 2.99 cfs
Method _____ No. secs. _____ G. H. change _____ in _____ hrs.
Method coef. _____ Horiz. angle coef. _____ Susp. _____ Tags checked _____
Meter Type pygmy Meter No. _____ Meter _____ ft. above bottom of wt.
Rating used _____ Spin test before meas. _____, after _____
Meas. plots _____ % diff. from rating no. _____ Indicated shift _____

GAGE READINGS

Time				Inside	Outside
<u>1240</u>				<u>1.88</u>	<u>.89</u>
	Start				
<u>1320</u>				<u>1.952</u>	<u>.96</u>
	Finish				
Weighted MGH					
GH correction					
Correct MGH					

Samples collected: water quality, sediment, biological, other _____

Measurements documented on separate sheets: water quality, aux./base gage, other @1250

pH 8.32 SC 223

Rain gage serviced/calibrated _____

Weather: _____

Air Temp. _____ °C at _____

Water Temp. 81 °C at 1250

Check bar/chain found _____

Changed to _____ at _____

Correct _____

Wading, cable, ice, boat, upstr., downstr., side bridge, _____ ft., mi. upstr., downstr. of gage.

Measurement rated excellent (2%), good (5%), fair (8%), poor (>8%) based on following conditions: Flow: turbulent

Cross section: shallow, rocky

Gage operating: yes Record Removed _____

Battery voltage: 13.9 Intake/Orifice cleaned/purged: _____

Bubble-gage pressure, psi: Tank 1700, Line 10; Bubble-rate 20 /min.

Extreme-GH indicators: max _____, min _____

CSG checked: _____ HWM height on stick _____ Ref. elev. _____ HWM elev. _____

HWM inside/outside: _____

Control: slight algae in flume. Little flow over weir upon arrival

Remarks: 1242 #6 1.89 sc 21.3 8v13.9
WT 8.03 AT 6.77

GH of zero flow = GH _____ - depth at control _____ = _____ ft., rated _____

River at -

ANGLE COEF- FICIENT	DIST. FROM INITIAL POINT	WIDTH	DEPTH	OBSERVA- TION DEPTH	REVO- LUTIONS	TIME IN SEC- ONDS	VELOCITY		ADJUST- ED FOR HOR. ANGLE OR	AREA	DISCHARGE
							AT POINT	MEAN IN VER- TICAL			
	8.3	.25			LEW	@ 1256					
	8.8	.4	.15		40	40		.992		.06	.060
	9.1	.3	.2		80	46		1.70		.06	.102
	9.4	.4	.2		80	40		1.95		.08	.156
	9.9	.4	.3		100	43		.925		.12	.111
	10.2	.3	.25		100	41		2.37		.075	.178
	10.5	.25	.35		100	47		2.07		.088	.181
	10.7	.25	.3		100	40		2.43		.075	.182
	11.0	.3	.3		100	42		2.32		.09	.209
	11.3	.3	.3		150	54		2.70		.09	.243
	11.6	.35	.3		150	56		2.60		.105	.273
	12.0	.35	.28		150	52		2.80		.098	.274
	12.3	.3	.25		100	45		2.17		.075	.163
	12.6	.35	.25		100	45		2.17		.088	.190
o	13.0	.35	.18		100	40		2.43		.063	.153
	13.3	.3	.15		60	41		1.44		.045	.065
	13.6	.3	.18		30	44		.686		.054	.037
	13.9	.3	.15		80	44		1.78		.045	.080
	14.2	.15	.15		60	46		1.28		.142	.182
	15.8	.8			REW	@ 1320					
	7.5	7.5						2.07		1.452	2.99