HYDROMETRIC SURVEY NOTES

Station Name Hannin Creek @ HCEARC

Station Number _____ **Party** Ron and Brett

Date 21 May 20 16 **Temp. A** _____ °C **W** _____ °C **Width** _____ m **Area** _____ m²

Mean vel. _____ m/s **Mmnt Start** 13:45 **end** 14:36 **DISCHARGE** _____ m³/s

Levels obtained yes ☐ no ☐ _____ **BM tie** yes ☐ no ☐

Gauge/Instrument Readings						
Time	Pen	Inside	Outside		Other	
Wtd. Mgr.						
Corr						
Corr Mgh						

Battery Volts
Solar Panel Volts
Charger Volts
System Volts
Other Volts

Record: removed yes ☐ no ☐, Supply roll _____ days remain **Intake:** flushed yes ☐ no ☐

N2 Pressure: Tank _____ psi Feed _____ Bbl rate _____ /minute. Orifice purged yes ☐ no ☐

Measurement: wading, cableway, boat, ice, upstream, downstream side of bridge, 2 (m, km) above, below bridge gauge.

Method: 0.6 coef. _____ rod ☐ reel ☐ _____ m above bottom of _____ wt.

No. Sects. 23 Angle of flow _____ Meter No. TUG018

Date Calibrated 23 Oct 2013 Equation 0.6744 x Rev/Sec + 0.0102

Weather: _____ % cloud cover Wind _____ km/hr from _____ with / against / across current

Measurement rated: excellent, good, fair, poor based on the following remarks.

Remarks: Include conditions of flow, cross section, control and equipment.

Computed by: _____ Checked by: _____

.0	.10	.20	.30	.40	.50	.60	.70	.75	.80

Distance from initial point	Width	Total depth: W.S. to bottom ice	Depth under ice: Of water	Depth under ice: Of observation	Revolutions	Time	Velocity: At point	Velocity: Mean	Area	Discharge	.85
LB	start	@	13:45								
1.0	0.2	0.18			-	-					.90
1.4	0.4	0.36			5	43					.92
1.8	0.4	0.30			10	45					.94
2.2	0.4	0.62			10	65					.96
2.6	0.4	0.69			10	78					.97
3.0	0.4	0.73			10	64					.93
3.4	0.4	0.79			10	42					.99
3.8	0.4	0.86			10	47					
4.2	0.4	0.90			10	42^5					
4.6	0.4	0.92			15	55					1.00
5.0	0.4	0.91			15	53^5					
5.4	0.4	0.88			15	52^5					
5.8	0.4	0.87			15	48					.99
6.2	0.4	0.88			15	53					.98
6.6	0.4	0.90			15	49^5					.97
7.0	0.4	0.90			10	48					.96
7.4	0.4	0.86			5	61					
7.8	0.4	0.90			2	46^5					.94
8.2	0.4	0.87			1	58^5					.92
8.6	0.4	0.86			0*	-					.90
9.0	0.4	0.64			-	-					
9.4	0.3	0.48			-	-					
9.6	0.1	0.40			-	-					.85
RB	end	@	14:36								
Total								Total			.80
.0	m .10	.20	.30	.40		.50	.60		m^2 .70	m^3/s .75	

* minimal rotation