Midsection Measurements

Mmt Start Time: 13:11 Mmt End Time: 14:55

Measurement Section: Ice Deployment Method: Ice

River Bank: Left Bank

Meter Information

Meter No.	Slope1	Intercept1	Slope2	Intercept2	Calibration Date
6-060	0.6812	0.0058			22/09/1998

Measurment Summary

Num. Panels	20
Width	102.0
Area	79.8
Avg Depth	0.782
Avg Velocity	0.214
Total Discharge	17.1
Uncertainty	6.49

Panel #	Tagmark (m)	Width (m)	Depth (m)	WS Bot. Ice (m)	Eff. Depth (m)	Obs Depth (m)	Rev.	Time (s)	Vel. At Point (m/s)	Vel. Corr. Factor	Angle Flow Corr.	Mean Vel. (m/s)	Area (m^2)	Q (m^3)	Flow (q/Q%)
Start Edge	137.000	1.0	0		0							0	0.000	0.000	0.0
1	135.000	3.5	0.710	0.37	0.34	0.540	13	42.6	0.214	0.88	1	0.188	1.190	0.224	1.3
2	130.000	5.0	1.310	0.40	0.91	0.855	17	41.0	0.288	0.88	1	0.254	4.550	1.156	6.8
3	125.000	5.0	1.340	0.34	1.0	0.840	14	42.8	0.229	0.88	1	0.201	5.000	1.005	5.9
4	120.000	5.0	1.340	0.30	1.040	0.508	11	40.4	0.191	1.0	1	0.180	5.200	0.936	5.5
						1.13	10	42.0	0.168						
5	115.000	5.0	1.320	0.38	0.94	0.850	15	40.0	0.261	0.88	1	0.230	4.700	1.081	6.3
6	110.000	5.0	1.240	0.44	0.8	0.840	16	41.6	0.268	0.88	1	0.236	4.000	0.944	5.5
7	105.000	5.0	1.240	0.38	0.86	0.810	17	44.8	0.264	0.88	1	0.233	4.300	1.002	5.9
8	100.000	5.0	1.360	0.48	0.88	0.920	16	41.2	0.27	0.88	1	0.238	4.400	1.047	6.1
9	95.000	5.0	1.450	0.52	0.93	0.985	16	41.2	0.27	0.88	1	0.238	4.650	1.107	6.5
10	90.000	5.0	1.540	0.50	1.04	0.708	15	41.2	0.254	1.0	1	0.246	5.200	1.279	7.5
						1.33	14	41.0	0.238						
11	85.000	5.0	1.590	0.42	1.17	0.654	17	40.4	0.292	1.0	1	0.264	5.850	1.544	9.0
						1.36	14	41.4	0.236						
12	80.000	5.0	1.500	0.38	1.120	0.604	16	40.4	0.276	1.0	1	0.231	5.600	1.294	7.6
						1.28	11	41.4	0.187						
13	75.000	5.0	1.390	0.36	1.03	0.566	16	43.2	0.258	1.0	1	0.228	5.150	1.174	6.9
						1.18	13	46.2	0.197						
14	70.000	5.0	1.200	0.36	0.84	0.780	15	41.0	0.255	0.88	1	0.224	4.200	0.941	5.5
15	65.000	5.0	1.120	0.38	0.74	0.750	12	41.6	0.202	0.88	1	0.178	3.700	0.659	3.9
16	60.000	5.0	1.000	0.36	0.64	0.680	14	48.0	0.204	0.88	1	0.180	3.200	0.576	3.4
17	55.000	5.0	0.900	0.34	0.56	0.620	11	41.2	0.188	0.88	1	0.165	2.800	0.462	2.7
18	50.000	5.0	0.860	0.34	0.52	0.600	10	43.6	0.162	0.88	1	0.143	2.600	0.372	2.2
19	45.000	5.0	0.800	0.40	0.4	0.600	7	43.6	0.115	0.88	1	0.101	2.000	0.202	1.2
20	40.000	5.0	0.560	0.26	0.3	0.410	4	49.0	0.061	0.88	1	0.0540	1.500	0.081	0.5
End Edge	35.000	2.5	0		0							0	0.000	0.000	0.0

FIELD REVIEW

Pass: ✔	Review	Check	Review Comments Mid-section - Current Meter
Passed All Instrument QA/QC?	❑	❑	
Software Input Same as Notes?	❑	❑	
Flow Angles Accounted for?	❑	❑	
Exposure Time/Location > 40s?	❑	❑	
Bed Contour as Expected for Site?	❑	❑	
Ice/Slush Depth as Expected?	❑	❑	
Velocity Profile Suitable?	❑	❑	
# Panels ≥ 20?	❑	❑	
No Panel Q > 10%?	❑	❑	
Site Notes:			
Plan Notes:			

LEVEL NOTES

Station	Backsight	Height of Instrument	Foresight	Elevation	Comments	Est. Elev.

Level Checks Summary

Time	WL Reference Point	Elevation	Distance to Water Surface (m)	Water Level Elevation (m)	Datum	Corrected Water Level	HG	HG2	Surge Comment

Comments:

Surveyed By:

SKETCHES

AQUARIUS Upload Record

Status	Datetime	User
Successful	2018-12-12 13:29:50.395000	cassandra.adam

Hydrometric Survey Note v2.0.0

Data Entered in HWS? ❑

Station Number: 05HD039 **Survey Date:** 2020/02/12CST

Station Name: SWIFT CURRENT CREEK NEAR LEINAN

Start Time (hh:mm)	End Time (hh:mm)	Air Temp (°C)	Water Temp (°C)	Width (m)	Area (m^2)	Mean Velocity (m/s)	Corrected MGH (m)	Discharge (m^3/s)
13:11	14:55	-1.0	0.1	102.0	79.8	0.214	1.114	17.1

Mmt Mean Time (hh:mm)	12:46	**Calc Shift Base Curve (m)**	-0.0776	**Difference Base Curve (%)**	-46.3	**Curve #**	7.01
Control Condition	Ice	**Control Condition Remarks**	Control CIC open lead at and below riffle				
Discharge Activity Remarks	Chipped out edges in lower reach of riffle for wading measurement						

Time	HG (m)	HG2 (m)	WL References (m) WLR1 ETG	WLR2	Sensor Reset Corr.	Action Taken	M.G.H. Aggr.
12:50	1.110		1.107		-0.003	NR	✔
12:30	1.110						❑
13:00	1.110						❑
Weighted M.G.H.			1.107		**MGH Aggr. Method:**		
S.R.C.					Average		
Gauge Correction			0.007				
Corrected MGH (m)			1.114				
Stage Activity Summary Remarks	test test						

Levels: None

Cloud Cover: Cloudy

Precipitation: Light Snow

Wind Condition: Light Wind

Wind Speed (km/h): 10.0

Wind Direction: Blowing Cross Stream

Battery Voltage (VB): 13.8

	Arrival	Departure
Gas: Cyl.	@:	@:
Feed:	@:	@:
:	@:	@:

Intake Flushed? ✔ @13:00 **Orifice Purged?** ❑

Downloaded Program? ❑ **Downloaded Data?** ❑

Station Health Remarks

Sensor Calibration

Sensor References			
Sensor Observed			
Sensor Reference			

Logger		
Remarks		
Observed		
Sensor		

Deployment and Instrument Information

Method: Mid-section	**Deployment Method:**	**Position Method:** Tagline
Instrument Type: Current Meter	**Serial/Meter Number:** 6-060	90.0 metres d/s gauge
Manufacturer:	**Model:** Price AA	
Frequency:	**Firmware:**	**Software:** eHSN v1.3

Number of Panels: 20	**Flow Angle:** Varied	**Coefficient:** 1.00
Method: 0.6	**Located:** On Rod **metres above No weight**	

Site and/or control pictures were taken. ❑

Pre-use Cableway Inspection:

Party: **Completed by:** **Reviewed:** ✔ **Checked by:**