

LAKE PROFILE COLLECTION SHEET

Sample Site:	HLC	Project Number:	16-240.3	Date:	JULY 23 2016
UTM Coordinates	ZONE 05U1556 N 7147239	Client:	Yukon Government (AAM)	Samplers:	GR + NB
Waypoint	GPS GR Name HLCGR	Project Name:	Clinton Creek Surface Water Monitoring Program	Weather/Wind Direction:	~ ϕ 18°C NO PRECIP. SUN 19°C LATER. CAME OUT
Photos	Cam GR Nos. 6911-6914			Depth to Bottom:	~10.5 m
Start Time	(hh:mm) 1231			Unit Used:	YSI PRO PLUS.
End Time	(hh:mm) 1321				

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	ϕ	1	2	3	4	5	6	7	8	9
Temperature (°C)	15.1	13.2	11.2	10.0	8.0	4.5	3.8	3.7	3.3	2.4
pH (pH Units)	8.13	7.97	7.93	7.89	7.44	7.29	7.28	7.30	7.28	7.29
Cond. (μ s/cm)	405.8	411.8	334.0	322.5	388.8	447.6	451.5	452.7	455.1	517
Specific Cond. (μ s/cm)	500.4	531.4	454.4	451.8	579.1	734.8	758.7	764.4	780.2	908
Salinity (ppt)	0.24	0.26	0.22	0.22	0.28	0.36	0.37	0.37	0.38	0.44
Redox (mV)	25.7	8.74 ^{26.3}	29.4	36.6	56.4	62.9	62.6	61.4	59.1	-32.3
DO (mg/L)	8.88	8.74	9.54	9.72	5.14	1.24	0.52	0.36	0.14	0.05
DO (%)	87.6	82.2	86.7	87.4	43.8	9.8	4.0	2.7	1.0	0.4
Time Logged on YSI	1238	1243	1246	1248	1251	1253	1255	1258	1301	1309

NEGATIVE VALUES START HERE.

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	10	10.5	10.5							
Temperature (°C)	2.0	2.2	2.0							
pH (pH Units)	7.31	7.33	7.28							
Cond. (μ s/cm)	574	559	579							
Specific Cond. (μ s/cm)	1025	991	1031							
Salinity (ppt)	0.5	0.49	0.51							
Redox (mV)	-65.3	-76.3	-88.2							
DO (mg/L)	0.06	0.05	0.07							
DO (%)	0.4	0.4	0.5							
Time Logged on YSI	1311	1314	1319							

Sample Site (Con't): HL1

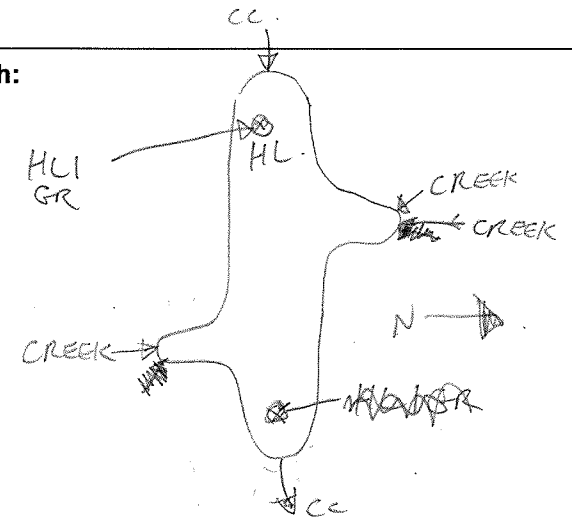
Sample Date (Con't): JULY 23 2016

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)										
Temperature (°C)										
pH (pH Units)										
Cond. (µs/cm)										
Specific Cond. (µs/cm)										
Salinity (ppt)										
Redox (mV)										
DO (mg/L)										
DO (%)										
Time Logged on YSI										

General Notes:

2 EPHEMERAL STREAMS NOTED.
BOTH ON SOUTH SIDE OF HL.
1 SOUTH OF HL1, 1 SOUTH OF HL2.
RECENT RAIN.

Site Sketch:



LAKE PROFILE COLLECTION SHEET

Sample Site:	HLZ	Project Number:	16-240.3	Date:	JULY 23 2016
UTM Coordinates	ZONE 0511929 N 7147158	Client:	Yukon Government (AAM)	Samplers:	GR + NB
Waypoint	GPS GMR Name HLZGR	Project Name:	Clinton Creek Surface Water Monitoring Program	Weather/Wind Direction:	Ø OVER CAST No RAIN
Photos	Cam GMR Nos. 6908-6910.			Depth to Bottom:	~19.5m
Start Time	(hh:mm) 1106	Unit Used:	YSI PRO PLUS		
End Time	(hh:mm) 1225				

~18°C
wind picking up. BEAUFORT 1-2

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	Ø	1	2	3	4	5	6	7	8	9
Temperature (°C)	15.5	13.4	11.6	9.8	7.0	3.7	3.3	2.9	2.6	2.2
pH (pH Units)	8.15	8.04	7.87	7.58	7.34	7.27	7.27	7.27	7.27	7.27
Cond. (µs/cm)	409.8	398.6	398.4	376.5	407.7	445.3	447.6	450.3	458.0	518
Specific Cond. (µs/cm)	500.6	511.0	535.1	530.8	620.9	751.0	763.5	778.8	797.5	919
Salinity (ppt)	0.24	0.25	0.26	0.26	0.30	0.37	0.37	0.38	0.39	0.45
Redox (mV)	32.9 32.9	45.3	56.2	72.6	83.1	84.2	82.8	81.1	78.7	77.3 77.3
DO (mg/L)	8.48	8.91	8.23	6.98	3.89	0.90	0.61	0.19	0.10	0.08
DO (%)	85.2	86.6	74.8	61.3	32.7	6.7	4.6	1.5	0.7	0.6
Time Logged on YSI	1109	1112	1115	1119	1124	1126	1128	1130	1133	1143

NEGATIVE VALUES START AT 3 9m

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	10	11	12	13	14	15	16	17	18	19
Temperature (°C)	2.0	1.8	1.8	1.7	1.6	1.6	1.4	1.3	1.1	1.0
pH (pH Units)	7.26	7.25	7.25	7.24	7.24	7.24	7.25	7.25	7.25	7.25
Cond. (µs/cm)	576	597	603	612	617	624	666	677	721	733
Specific Cond. (µs/cm)	1029	1071	1085	1102	1114	1130	1215	1237	1327	1350
Salinity (ppt)	0.5	0.52	0.53	0.54	0.54	0.55	0.60	0.61	0.65	0.67
Redox (mV)	-98.7	-108.7	-110.5	-113.6	-115.1	-114.3	-119.4	-122.0	-124.3	-125.2
DO (mg/L)	0.10	0.12	0.14	0.15	0.16	0.15	0.16	0.17	0.17	0.17
DO (%)	0.7	1.0	1.0	1.1	1.1	1.1	1.1	1.3	1.3	1.3
Time Logged on YSI	1147	1152	1154	1157	1159	1201	1204	1206	1208	1210

Sample Site (Con't): HL2

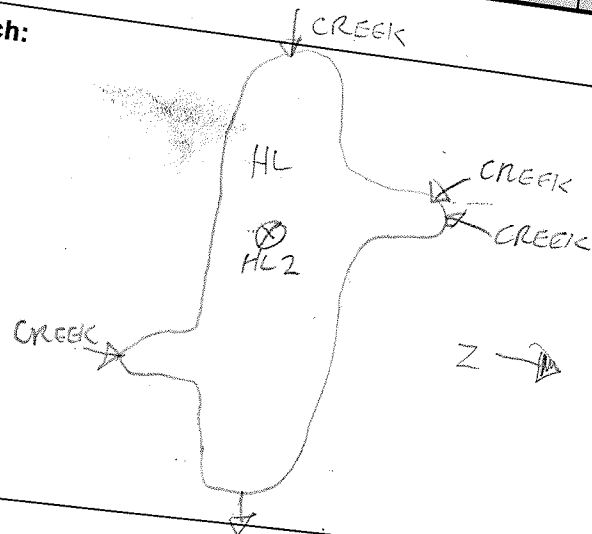
Sample Date (Con't): July 23 2016

Field Parameter Measurements (note units if different than those stated)					
Sample Depth (m)	20	21	22	23	24
Temperature (°C)	1.0	1.0	1.0	1.0	1.0
pH (pH Units)	7.27	7.27	7.27	7.27	7.28
Cond. (µs/cm)	734	734	735	733	732
Specific Cond. (µs/cm)	1355	1365	1355	1353	1352
Salinity (ppt)	0.67	0.67	0.67	0.67	0.67
Redox (mV)	-130.2	-131.8	-132.4	-133.8	-134.9
DO (mg/L)	0.19	0.18	0.19	0.19	0.20
DO (%)	1.2	1.3	1.3	1.3	1.4
Time Logged on YSI	1213	1215	1216	1219	1221

General Notes:

~~SOFT~~ BOTTOM

Site Sketch:



LAKE PROFILE COLLECTION SHEET

Sample Site:	HL3	Project Number:	16-240.3	Date:	JULY 23 '16
UTM Coordinates	Z ⁰¹ E 0512464 N 7147193	Client:	Yukon Government (AAM)	Samplers:	GR NB.
Waypoint	GPS <u>GMR</u> Name _____	Project Name:	Clinton Creek Surface Water Monitoring Program	Weather/Wind	Clear CLOUDY
Photos	Cam <u>GMR</u> Nos. 0903-6907			Direction:	
Start Time	(hh:mm) 0851	Unit Used:	YSI PRO PLUS	Depth to Bottom:	24.9m
End Time	(hh:mm) 1057				

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	0	1	2	3	4	5	6	7	8	9
Temperature (°C)	14.7	14.4	12.2	10.4	5.3	3.4	3.0	2.7	2.5	2.2
pH (pH Units)	8.04	8.13	7.81	7.64	7.27	7.23	7.22	7.21	7.22	7.25
Cond. (µs/cm)	404.8	405.8	7.80	378.9	438.7	446.5	449.0	450.3	460.4	513
Specific Cond. (µs/cm)	504.0	608.8	507.2	525.5	702.1	760.1	773.5	783.8	807.4	907
Salinity (ppt)	0.24	0.25	0.25	0.26	0.34	0.37	0.38	0.38	0.39	0.44
Redox (mV)	150.5	150.1	154.0	156.9	165.9	167.7	166.3	165.9	160.0	-68.0
DO (mg/L)	8.08	8.33	7.84	7.07	2.03	0.75	0.38	0.12	0.11	0.10
DO (%)	82.1	80.9	72.1	62.7	16.1	5.7	2.8	0.8	0.7	0.8
Time Logged on YSI	0857	0900	0903	9.07	0910	0913	0919	0922	0931	0945

NEGATIVE STARTS HERE

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	10	11	12	13	14	15	16	17	18	19
Temperature (°C)	2.1	1.9	1.8	1.7	1.7	1.6	1.4	1.3	1.2	1.2
pH (pH Units)	7.24	7.23	7.22	7.22	7.21	7.22	7.23	7.23	7.22	7.22
Cond. (µs/cm)	568	593	603	609	616	627	670	678	710	733
Specific Cond. (µs/cm)	1009	1060	1081	1097	1108	1135	1221	1241	1307	1349
Salinity (ppt)	0.49	0.52	0.53	0.54	0.54	0.56	0.60	0.61	0.65	0.66
Redox (mV)	0.11 -111.2	-116.9	-121.4	-122.3	-121.8	-124.9	-129.7	-132.6	-133.3	-134.9
DO (mg/L)	0.14 0.14	0.13	0.14	0.15	0.15	0.17	0.18	0.20	0.21	0.21
DO (%)	1.0	0.9	1.0	1.0	1.1	1.2	1.4	1.4	1.7	1.5
Time Logged on YSI	0955	10.00	10.04	10.06	10.09	10.13	10.16	10.20	10.21	10.23

MOOSE ON S~~IDE~~ NORTH SHORELINE, JUST EAST OF HL3 MARK.

Sample Site (Con't): HL3

Sample Date (Con't): JULY 23 2016

24.9 m.

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	20	21	22	20 23	24	25	26			
Temperature (°C)	1.0	0.9	0.7	0.6	0.3	0.2				
pH (pH Units)	7.21	7.20	7.24	7.23	7.21	7.21				
Cond. (µs/cm)	819	895	1023	1114	1175	1240				
Specific Cond. (µs/cm)	1515	1663	1912	2094	2226	2357				
Salinity (ppt)	0.75	0.83	0.96	1.05	1.12	1.19				
Redox (mV)	-137.0	-138.0	-133.7	-136.9	-138.2	-140.1				
DO (mg/L)	0.22	0.25	0.30	0.35	0.35	0.38				
DO (%)	1.6	1.8	2.0	2.4	2.5	2.7				
Time Logged on YSI	1027	1029	1048	1052	1054	1057				

General Notes:

At 21 m - unit pulled up and inverted to check no air bubbles trapped in DO sensor. DO increasing from 13 m.
 At 22 m REDOX

Site Sketch:

