

LAKE PROFILE COLLECTION SHEET

Sample Site:	HLI	Project Number:	16-240.2	Date:	Jun. 16/2016
UTM Coordinates	Z7E 511340 N 7147244	Client:	Yukon Government (AAM)	Samplers:	AN, CT
Waypoint	GPS ELR Name HLI	Project Name:	Clinton Creek Surface Water Monitoring Program	Weather/Temp/ Wind Direction:	Sunny ~20°C East wind light.
Photos	Cam _____ Nos. _____				
Start Time	(hh:mm) 16:30	Unit Used:	YSI Pro. Plus.		
End Time	(hh:mm) 17:17				

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Temperature (°C)	17.0	14.6	12.8	8.8	4.1	2.8	2.7	2.4	2.3	2.1
pH (pH Units)	7.91	7.92	7.88	7.73	7.42	7.31	7.25	7.22	7.19	7.13
Cond. (µs/cm)	3988	3842	371.8	369.5	417.7	438.3	444.1	449.9	454.5	492.2
Specific Cond. (µs/cm)	471.0	479.2	485.1	534.2	696.4	759.9	775.4	791.4	803.4	875.1
Redox (mV)	94.5	94.1	95.2	99.0	105.5	106.7	108.4	108.4	108.1	-6.4
DO (mg/L)	9.07	9.54	10.12	9.50	5.42	3.18	2.42	1.48	0.97	0.26
DO (%)	93.9	93.5	95.5	82.4	41.2	23.6	17.6	10.8	7.1	2.0
Time Logged on YSI	1632	1633	1634	1635	1637	1638	1639	1641	1642	1648

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
Temperature (°C)	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
pH (pH Units)	7.14	7.18	7.23	7.26	7.25	7.24	7.24	7.24	7.25	7.25
Cond. (µs/cm)	556	548	546	537	538	538	539	539	539	539
Specific Cond. (µs/cm)	995	982	979	962	963	964	965	965	965	965
Redox (mV)	-76.7	-85.5	-113.8	-117.8	-131.3	-134.9	-136.8	-140.7	-142	-144.7
DO (mg/L)	0.22	0.17	0.17	0.25	0.19	0.12	0.11	0.11	0.10	0.10
DO (%)	1.5	1.3	1.1	1.8	1.5	0.9	0.8	0.9	0.7	0.7
Time Logged on YSI	1650	1652	1655	1656	1659	1702	1703	1705	1706	1708

↑
Bottom
Lake
~16m.

Sample Site (Con't): HL1

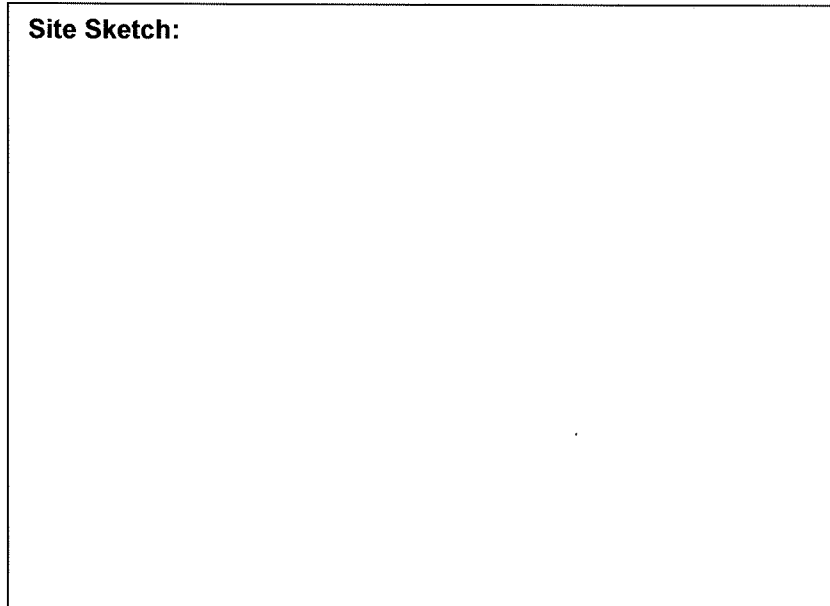
Sample Date (Con't): Jun. 16/2016

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	20.0	21.0	22.0	23.0						
Temperature (°C)	1.9	1.9	1.9	1.9						
pH (pH Units)	7.25	7.28	7.26	7.26						
Cond. (µs/cm)	539	539	539	539						
Specific Cond. (µs/cm)	965	965	966	965						
Redox (mV)	-145.7	-146.9	-148.2	-149.0						
DO (mg/L)	0.10	0.10	0.09	0.09						
DO (%)	0.7	0.7	0.6	0.6						
Time Logged on YSI	1709	1710	1712	1712						

General Notes:

Difficult to tell when YSI had reached the bottom. Collected too many readings. Location only 16 m deep. Depth measured by tying measuring tape to boat anchor and therefore may be inaccurate 1-2 m.

Site Sketch:



LAKE PROFILE COLLECTION SHEET

Sample Site:	HLZ	Project Number:	16-240.2	Date:	Jun. 16/2016
UTM Coordinates	Z7 E51936 N 7147159	Client:	Yukon Government (AAM)	Samplers:	AN, CH
Waypoint	GPS ELR Name HLZ	Project Name:	Clinton Creek Surface Water Monitoring Program	Weather/Temp/ Wind Direction:	Sunny ~22°C No wind.
Photos	Cam _____ Nos. _____				
Start Time	(hh:mm) 17:38	Unit Used:	YSI Pro-Plus		
End Time	(hh:mm) _____				

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Temperature (°C)	17.8	16.8	11.1	6.2	3.2	2.5	2.3	2.2	2.2	2.2
pH (pH Units)	7.98	7.96	7.75	7.44	7.29	7.25	7.24	7.23	7.18	7.22
Cond. (µs/cm)	403.1	398.8	366.9	358.3	436.1	441.2	446.3	452.0	472.0	520
Specific Cond. (µs/cm)	467.2	472.3	499.6	558.7	748.2	774.0	788.8	800.7	837.2	923
Redox (mV)	27.5	27.1	40.4	56.2	62.0	62.3	61.6	63.3	60	-57.9
DO (mg/L)	9.66	9.52	9.42	7.86	3.63	2.40	1.39	0.87	0.18	0.13
DO (%)	101.9	98.9	85.7	63.4	27.2	17.8	10.1	6.2	1.3	1.0
Time Logged on YSI	1739	1742	1746	1750	1755	1757	1758	1800	1803	1806

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
Temperature (°C)	2.0	1.8	1.8	1.7	1.6	1.5	1.3	1.1	1.1	1.0
pH (pH Units)	7.18	7.19	7.14	7.2	7.22	7.25	7.21	7.19	7.17	7.07
Cond. (µs/cm)	584	604	614	622	631	649	683	729	750	751
Specific Cond. (µs/cm)	1040	1084	1003	1121	1138	1179	1248	1341	1382	1387
Redox (mV)	-75.7	-80.2	-83.2	-87.6	-89.3	-91.8	-96.8	-100.8	-102.0	-104.3
DO (mg/L)	0.10	0.10	0.10	0.07	0.07	0.07	0.06	0.05	0.05	0.06
DO (%)	0.8	0.7	0.7	0.5	0.4	0.5	0.4	0.4	0.3	0.4
Time Logged on YSI	1809	1811	1813	1815	1818	1820	1821	1824	1825	1829

Sample Site (Con't): HL2

Sample Date (Con't): Jun. 16/2016.

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	20.0									
Temperature (°C)	1.0									
pH (pH Units)	7.17									
Cond. (µs/cm)	751									
Specific Cond. (µs/cm)	1386									
Redox (mV)	-105.9									
DO (mg/L)	0.06									
DO (%)	0.4									
Time Logged on YSI	1830									

↓
Lake
Bottom

General Notes:

Depth to bottom @ location = 20.1 m.

DTB measured by tying tape measure to boat anchor. Depth may be off by 1 or 2 meters.

Site Sketch:

LAKE PROFILE COLLECTION SHEET

Sample Site:	HL3	Project Number:	16-240.2	Date:	Jun. 17/2016
UTM Coordinates	Z7 E 512468 N 7147186	Client:	Yukon Government (AAM)	Samplers:	AN, CH.
Waypoint	GPS <u>ELR</u> Name: <u>HL3</u>	Project Name:	Clinton Creek Surface Water Monitoring Program	Weather/Temp/ Wind Direction:	Clear/sunny ~15°C No wind.
Photos	Cam _____ Nos. _____				
Start Time	(hh:mm) <u>8:35</u>	Unit Used:	YSI Pro. Plus.		
End Time	(hh:mm) <u>9:35</u>				

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
Temperature (°C)	16.8	16.5	10.6	7.6	4.2	2.6	2.2	2.2	2.2	2.3
pH (pH Units)	7.97	7.98	7.71	7.49	7.31	7.24	7.20	7.17	7.16	7.20
Cond. (µs/cm)	393.3	391.9	359.5	348.2	409.1	436.8	445.9	451.7	474.1	546
Specific Cond. (µs/cm)	465.9	466.8	495.3	520	679.1	763.8	788.6	800.2	838.9	964
Redox (mV)	52.4	56.9	66.5	75.0	83.7	84.5	83.5	83.1	82.8	-74.4
DO (mg/L)	8.72	9.29	9.24	8.45	5.47	2.47	1.31	0.73	0.21	0.13
DO (%)	90.0	95.6	83.0	71	42.1	18.0	9.5	5.3	1.5	0.9
Time Logged on YSI	839	842	845	848	855	858	903	905	907	912

↗ Logged as HL2 Remaining measurements logged as HL3.

Field Parameter Measurements (note units if different than those stated)										
Sample Depth (m)	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
Temperature (°C)	2.2	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1
pH (pH Units)	7.17	7.16	7.15	7.16	7.16	7.11	7.13	7.14	7.12	7.12
Cond. (µs/cm)	581	607	615	621	627	636	668	687	733	754
Specific Cond. (µs/cm)	1028	1085	1104	1115	1129	1148	1218	1255	1349	1389
Redox (mV)	-80.9	-86.4	-88.0	-88.0	-88.5	-89.0	-93.6	-95.7	-97.8	-99.8
DO (mg/L)	0.12	0.10	0.10	0.11	0.09	0.10	0.11	0.10	0.08	0.09
DO (%)	0.9	0.7	0.7	0.8	0.7	0.7	0.8	0.7	0.6	0.6
Time Logged on YSI	913	915	916	917	918	919	920	921	922	923

Sample Site (Con't): HL3

Sample Date (Con't): Jun. 17 / 2016

Field Parameter Measurements (note units if different than those stated)									
Sample Depth (m)	20.0	21.0	22.0	23.0	24.0	25.0			
Temperature (°C)	0.9	0.8	0.6	0.5	0.3	0.2			
pH (pH Units)	7.12	7.08	7.06	7.05	7.04	7.03			
Cond. (µs/cm)	841	911	1032	1133	1194	1258			
Specific Cond. (µs/cm)	1557	1694	1937	2138	2263	2394			
Redox (mV)	-104.3	-104.9	-105.8	-106.0	-106.8	-109.2			
DO (mg/L)	0.06	0.08	0.07	0.08	0.07	0.07			
DO (%)	0.5	0.6	0.5	0.6	0.5	0.5			
Time Logged on YSI	926	927	928	929	930	931			

General Notes:

Depth to bottom = 25.3 m.
Depth measured by tying measuring tape to boat anchor, may be off 1-2 m.

Site Sketch:

